ADDENDUM #04

TO

INVITATION TO BID #01

ALTERATIONS TO
ACES at CHASE
565 CHASE PARKWAY, WATERBURY, CT
STATE PROJECT NO. 244-0044 MAG
DECEMBER 11, 2025

JANUARY 15, 2026

Bids are modified and/or supplemented as follows and should be included in the Subcontractor's lump sum bid as it relates to their Bid Package Scope of Work:

GENERAL INFORMATION

All Bid Package Scopes of Work:

1. **All Bidders** shall note that the bid due date **REMAINS ON THURSDAY JANUARY 22, 2026 AT 2:00 PM EST** for **ALL BID PACKAGES** identified in the Contract Documents.

2. **ALL BIDS FOR ALL BID PACKAGES ARE TO BE SUBMITTED in duplicate** at the **ACES Staff Development Building located 205 Skiff Street, Hamden, Connecticut 06517, Attention: Downes Construction Company, LLC**. on ***January 22, 2026 by 2:00pm*** with the date and time indicated, after which time no further bids will be accepted. All bidders must include the Project Name and Bid Package Number & Description in the subject line of their email, for example, 'ACES at Chase – BP# 32.1 – Exterior Improvements'. Bids received will subsequently be opened publicly.

3. It is the responsibility of all bidders to review the drawings received against the Drawing List. If any drawings are missing from the bidding documents notify the Construction Manager immediately.

4. ALL Bidding Requirements listed in the original bidding documents remain as is, unless revised by the contents of this Addendum.

5. **ALL Bidders** should note that any unanswered pre-bid RFI's up to this point will be answered in forthcoming addendum.

6. **ALL Bidders** who are interested in a walk-thru of the campus or buildings prior to submitting a bid shall contact aceschasebid@downesco.com.

7. **ALL Bidders** should note the updated bid form dated 1/15/16 within this addendum.

8. **ALL Bidders** should review and incorporate the **attached Bulletin #2 dated January 9, 2026** prepared by **S/P+A** and their consultants. This Addendum includes:
    - Changes to Drawings & Specifications

- New drawings & New Specifications.

Refer to the Bulletin for complete contents and how it may affect your Bid Package Scope.

REVISIONS AND/OR CLARIFICATION TO ALL BID PACKAGES. BIDDERS ARE RESPONSIBLE TO REVIEW ALL QUESTIONS & ANSWERS AS WELL AS SCOPE CLARIFICATIONS.

Question: RFI #45 (General) Confirm that project award is to be based on the Lump Sum Bid. **Answer:** Confirmed.

Question: RFI #46 (General) Is there a fee associated with the required background checks? **Answer:** Yes - Please contact IntelliCorp for pricing.

Question: RFI #47 (General) Bid Notes indicate that there will be no onsite parking. Is there a nearby parking area that contactors will be able to utilize? How far is it? **Answer:** Parking will be onsite and may be adjusted as phases complete.

Question: RFI #23 (General) As it relates to background checks, please advise if any company can be utilized so long as the requirements of the check are met. If not please advise avg cost of each background check. **Answer:** No. IntelliCorp shall be utilized per General Scope note #4 in each bid package scope of work. Contact Intellicorp direct to obtain pricing.

Question: RFI #24 (General) Please confirm that the cost of the permit is in fact on the contractor pulling the trade permit. **Answer:** Confirmed.

Question: – RFI #25 (General) Please confirm that the state education fee is in fact by others per the general scope of work and not on the contractor. **Answer:** State Education fee is not waived and shall be carried as part of the Permit Fee Application process.

Question: – RFI #26 (General) Please confirm if there are any local Waterbury labor requirements. **Answer:** No.

Question: – RFI #27 (General) Please advise if CHRO is required and if so what the state reimbursement percentage is. **Answer:** Yes, CHRO requirements are part of this project. The State Reimbursement percentage is 79.64%.

Bid Package #2.1 – Selective Demolition & Abatement

Add Item #100 RFI #6 (Building 7) **Question:** What items shown on elev's 3/A731 and 4/A731 are new vs. existing? Abatement Plan HM-8 shows the counter/casework dotted in, indicating removal; existing sink and ice maker appear to remain; remainder of casework is not shown. Demolition Plan A050 implies sink, counter/casework, ice maker, and other casework are existing to remain. Plumbing drawing P111 calls out "ex sink to remain" and "ex ice maker to remain". i. Cabinets (3/A731) are drawn as full-height, yet note says "plastic laminate wall cabinets". If new, provide dimensions and details. ii. Sink and counter (4/A731) are drawn as if new ADA-type, yet notes call for plastic laminate base cabinet. If new, provide dimensions and details. iii. Access to reach the ice maker appears very tight; not sure of logistics to install all the items as shown. **Answer:** Omit

interior elevations 3 & 4/a731-7, these are all existing to remain. Refer to Bulletin #2 for revised Drawing A731. - S/P+A-KD

Add Item #101 RFI #22 (General) **Question:** Note on Section 5/S400-1 states to not remove slab prior to construction of CMU walls. In order to create the floor penetration and run the MEP designed to run in the chases this would require leaving a portion of the CMU open. Is it acceptable (structurally sound) for 2 of the 3 sides of the chase to be built prior to demolition and installation of MEP work or is shoring required to support the floor and CMU built after MEP is run and inspected? **Answer:** Support of the slab is required prior to demo. If the walls are not installed prior to demo due to means & methods, subsequent shoring support would be required. This shoring would need to be submitted signed & sealed by a State of Connecticut Professional Engineer as part of the delegated design process.

Add Item #102 This Subcontractor shall provide, install and maintain during the demolition phase protection of the existing flooring to remain as called for on the drawings. Protection shall include at a minimum a layer of craft paper or poly taped and ½" plywood with all seams taped. This protection will be turned over in an acceptable condition upon completion of your scope to BP #9.1 Gypsum Drywall.

Bid Package #3.1 – Concrete

Revise Item #2 ADD Specification Section 033200 Site Cast-In-Place Concrete as it relates to this Scope of Work.

Revise Item #89 This Subcontractor shall be responsible for all Concrete items as shown on the Architectural & Structural Drawings ***& Site Cast-in-Place shown on the Civil Drawings*** (~~Including housekeeping pads for MEFP~~), while BP #31.1 (Sitework) shall be responsible for all ***site*** concrete shown on the Civil and Landscaping drawings.

Revise Item #97 This Subcontractor shall specifically **EXCLUDE** the following:

- As may be indicate above.
- Site concrete. ***Ie, concrete pavement or flatwork, MEP equipment pads, site improvement or lighting bollards footings, curbing etc.***

Add Item #104 This Subcontractor is responsible for all site cast-in-place concrete, including but not limited to, general materials, site footings that support walls and foundations, slabs on grade, site retaining walls and foundations and slabs on grade within, site stairs shown on the structural, architectural and civil drawings, and associated foundations, concrete reinforcement, reinforcement accessories, concrete ready-mix, mix designs, additives, source materials, formwork, walls, slabs, inserts, pre-molded joint filler, expansion and isolation joint filler strips, bonding agents, dovetail slots, water stop RX, joint sealants, sealers, bonding agents required to adhere new concrete to existing or new to new, preparation of existing concrete for new concrete work, vapor barriers/retarders, anchoring adhesives, all waterstops, all exterior stairs, site stairs, nosings, stoops, slab depressions/recesses, new concrete haunches, deformed bar reinforcing, dowels , welded wire fabric, chairs, support, ties, miscellaneous hardware for holding reinforcing in place, all frost pads at exterior doors, all other concrete shown on drawings or specified, demolition necessary to facilitate the installation of all concrete, placing of all cast-in items, related materials, miscellaneous accessories, etc…… in accordance with **Specification Section 033200 Site Cast-In-Place Concrete**, and the Contract Documents. See Architectural, Civil, Landscape and Structural for extent and details.

Bid Package #4.1 – Masonry

Add Item #110 RFI #20 (General) **Question:** Please clarify where specification section 040110 applies. There are no notes indicating if it applies to all buildings or just specific buildings. **Answer:** Refer to Building 4 Construction Note #4 & Elevation 9/A733-6.

Add Item #111 RFI #21 (General) **Question:** Scope 4.1 Item 46 and 50 state the mason is responsible for demolition of all new MEP openings. Scope item 49 states openings greater than 100 square inches are created by the mason contractor. Which is the correct note? **Answer:** Both notes apply. All square or rectangular penetrations through existing walls will be performed by Bid Package #4.1 Masonry. The Mechanical or Plumbing bid packages may elect on their own to core or create a rectangular opening up to the sizes in scope item #49.

Add Item #112 RFI #22 (General) **Question:** Note on Section 5/S400-1 states to not remove slab prior to construction of CMU walls. In order to create the floor penetration and run the MEP designed to run in the chases this would require leaving a portion of the CMU open. Is it acceptable (structurally sound) for 2 of the 3 sides of the chase to be built prior to demolition and installation of MEP work or is shoring required to support the floor and CMU built after MEP is run and inspected? **Answer:** Support of the slab is required prior to demo. If the walls are not installed prior to demo due to means & methods, subsequent shoring support would be required. This shoring would need to be submitted signed & sealed by a State of Connecticut Professional Engineer as part of the delegated design process.

Add Item #113 This subcontractor is responsible to provide all stone veneer and bluestone caps at all site retaining walls, stairs and ramps. Reference Civil Drawings for locations, details and material selections. All work is to be closely coordinated with the Sitework and Concrete Bid Packages.

Bid Package #6.1 – Architectural Woodwork

Revise Item#2 – **ADD Specification Section 115313 Laboratory Fume Hoods** to this Scope of Work.

Revise Item #69 – RFI #6 (General) **Question:** Please confirm is these sections are included in or noted for coordination only in BP9.01 097714 WOOD VEENER WALL PANELS-097716 FRAMED DECORATIVE PANEL SYSTEM- 097724 TEXTURED WALL PANELS- 098433 SOUND ABSORBIG WALL.
Answer: Section 097714 Wood Veneer Wall Panels, 097716 Framed Decorative Panel Systems & ~~***098433 Sound Absorbing Wall Units***~~ will be supplied by Bid Package #6.1 Architectural Woodwork. **098433 Sound Absorbing Walls Units will be supplied by Bid Package #9.2 Acoustical Ceilings.** This subcontractor shall coordinate installation with these specifications and provide as an example any in-wall blocking requirements. Bid Package #9.1 Gypsum Drywall will be responsible to furnish and install Section 097724 Textured Wall Panels.

Add Item #72 RFI #18 (General) **Question:** 1. Paragraph 2.3.C says lab casework has to be manufactured within 500 miles, yet all of the manufacturers listed are further than that.

2. Basis of Design is listed as Onepointe Solutions with two other acceptable manufacturers. However specific workstations by Diversified Spaces are called out in building #5. Is the lab casework for all buildings meant to be from one manufacturer, and Diversified is simply another option?
3. Spec calls for plastic laminate material to be standard HGS, VGS, HDPL, yet Wilsonart's "Chemsurf" is listed for PL-3 on Schedule of Finishes 090000. Which is correct?
4. Paragraph 2.10.B says provide sinks per sizes indicated, yet neither architectural nor plumbing drawings call out. Please list size per individual location.
a. Provide basis-of-design model number for strainers and tailpieces. b. Overflows are not indicated on drawings; are they required?
5. I'm not sure paragraph 2.10.C is applicable. Where are plastic laminate counter shelves?
6. Paragraph 2.11.A nor drawings state the size or number of pegs required for the pegboards.
7. Is fire blanket cabinet (2.11.B) to include the actual blanket? Make and model number cannot be found online; please provide a different basis-of-design.
8. Please provide basis-of-design model numbers for water and gas fittings (2.12), per individual location if there's more than one type. And drawings need to clearly show or list number of fittings needed at each cabinet/workstation.
9. Likewise, provide basis-of-design model numbers for electrical and communication fittings (2.13), per individual location if there's more than one type. Clearly show or list number of fittings needed at each cabinet/workstation. **Answer:** 1. Refer to Bulletin #2 for revised Section 123553.16. Manufacturers provided are within the limit.
2. Refer to Bulletin #2 for revised Section 123553.16 & Drawings A110-5, A710-5 & A711-5.
3. PL-3 as specified is to be used for laboratory casework.
4. Refer to Bulletin #2 for revised drawings indicating integral sink sizes.
a. As supplied by countertop manufacturer. b. Overflows are not required.
5. Refer to Bulletin #2 for revised Section 123553.16.
6. Per manufacturer based on size indicated in Pegboard Schedule on Drawings.
7. Yes. Refer to Bulletin #2 for revised Section 123553.16.
8. Refer to Plumbing Fixture Schedules on Plumbing Drawings.
9. Refer to Electrical Drawings.

Add Item #73 RFI #19 (General) **Question:** a. Is Manufactured Solid Plastic Casework only applicable to the Greenhouse in Building #6 (elev 9/A733)?
b. Countertop is noted as epoxy resin; does that mean it's part of Lab Casework?
c. Elevation notes sink as integral epoxy resin yet plumbing drawings call it out as S-2A, stainless steel with faucet, no mention of Division 12. Which is correct and who's responsible for furnishing and installing?
d. Is the upper shelf, noted as epoxy resin, to be part of Lab Casework? What thickness and depth? It won't be one continuous piece.
e. Please specify the heavy-duty metal brackets needed to support this upper shelf. What spacing?
f. Specific Scope item #49 mentions laboratory gas and electrical fittings; please confirm these are not applicable. **Answer:** a. Yes.
b. Epoxy countertop specified in Section 123553.16 is to be used for countertops at HDPE casework.
c. Integral sink is correct. Refer to Bulletin #2 for revised Drawing P210-6.
d. Epoxy shelving specified in Section 123553.16 is to be used for shelving in Greenhouse 105-6.
e. Brackets to match existing as indicated. Refer to Bulletin #2 for revised Drawing A733-6 for spacing.
f. Fittings or accessories that must be supplied with the unit(s) are applicable.

ADDENDUM #04 TO INVITATION TO BID #01 – ACES AT CHASE

Add Item #74 RFI #61 (General) **Question:** Spec Section 062023 Interior Finish Carpentry: Paragraph 2.3.E says to used Fire-Retardant-Treated Materials where indicated. Please indicate locations**. Answer:** Refer to drawings for locations.

Add Item #75 RFI #62 (General) **Question:** Spec Section 062023 Interior Finish Carpentry: Paragraph 2.4.A.1 lists red oak and white maple; please indicate which species & grade is to be used where. **Answer:** Red oak is for Building 1 Main Level only. Grades for both species to match existing.

Add Item #76 RFI #67 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraph 1 doesn't address interior (unexposed) faces of closed cabinets. Can they be thermally-fused melamine laminate? **Answer**: Melamine is not acceptable.

Add Item #77 RFI #68 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: In lieu of custom-fabricated drawers, can Grass Z-box drawer system be used? It is a stronger, cleaner, more streamlined-looking drawer with metal sides. It has a limited lifetime guarantee. See attached. **Answer**: Drawer construction as specified.

Add Item #78 RFI #69 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: 2.2.B only lists MDF and Hardwood Plywood as cores, what about standard particleboard? MDF is typically used for countertops with sinks; can particleboard be used for cabinet boxes? Not sure veneer-faced cabinets are applicable to this project. Please clarify. **Answer**: Particleboard is not acceptable. Drawer bottoms are hardwood plywood per 2.1.G.3.

Add Item #79 RFI #70 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraph 2.3.A specifies five-knuckle steel hinges which are big, bulky, and old-school in our opinion. Once the set screws are attached, there's no adjustment. And they offer no self-capture feature so magnetic cates are required. Can concealed, self-closing hinges (European-style) be used instead? **Answer**: Use hinges as specified.

Add Item #80 RFI #71 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraph 2.3.C specifies roller catches which can be noisy; can magnetic type be used instead? Magnetic ones are concealed, silent, and provide smoother closure. **Answer**: Yes, magnetic are acceptable.

Add Item #81 RFI #72 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraphs 2.3.G and H reference sliding glass doors; are these for display case at building #2 – Library? Please confirm or indicate locations. Is this BP #6.1 responsibility? **Answer**: Yes. Construction Manager to assign responsibilities for scope of work.

Add Item #82 RFI #73 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraph 2.3.L references a display case; see above. **Answer**: Refer to above.

Add Item #83 RFI #74 (General) **Question:** Spec Section 064116 Plastic Laminate-Clad Architectural Cabinets: Paragraphs 2.3.M and N reference grommets and wire management; only two locations were found where wire management is required. Please indicate any other locations. a. Building #2 – Library per elev 7/A730. b. Building #5 – Lower School per detail 11/A850 (Nurse's Office). Grommet is also shown & noted here, but locations and/or quantity are required. **Answer**: Wire management only at locations indicated. One (1) grommet is to be provided for every 4 feet of open counter space at all buildings.

Add Item #84 RFI #75 (General) **Question:** Countertop supports are not addressed; drawings call for Unistrut, but can Rakks support brackets be used? **Answer**: Refer to Section 123661.16, 2.3 for installation materials.

Add Item #85 RFI #76 (General) **Question:** Are certain clips required for the removable laminate panels below ADA sink vanities? **Answer**: No.

Add Item #86 RFI #52 (General) **Question:** Specification 115313 Lab Fume Hoods has been assigned to Package 10.1. However, there is science casework being provided by Package 6.1. Typically, these fume hoods will need to be purchased through a science casework vendor. Please strongly consider reassigning 115313 to Package 6.1. **Answer:** See adjustment located within this Addendum #4.

Add Item #87 RFI #10 (Building 1) **Question:** Specific Scope item #52 mentions temporarily removing existing millwork and re-installing. Is this in reference to china hutch per Construction Note 10 on Floor Plans? Limited to two locations within Dining Room 112? **Answer:** This scope item is in reference to any Construction Note call outs on all drawings and all buildings.

Add Item #88 RFI #11 (Building 1) **Question:** General Finish Note 11 on Floor Pattern & Finish Plans directs existing chair rail or wood base to be patched, referencing Finish Schedule for specific info per room. No such info exists on the Finish Schedule. Please indicate where this is applicable. **Answer:** General Finish Note L is a general note to match existing profile of chair rail or base. This note should refer to finish key notes in lieu of finish schedule for specific locations. Refer to Bulletin #2 for revised finish plan drawings. -S/P+A-KD

Add Item #89 RFI #13 (Building 1) **Question:** Section Detail 4/A550 calls for wood trim casing around niche for VRF in basement; please provide width of each trim piece. **Answer:** Casing trim at face of corridor wall will be 1x4 nominal painted flat stock. Jamb trim within alcove will be 1x6 nominal painted flat stock. Refer to Bulletin #2 for revised Drawing A550-1. -S/P+A-BV

Add Item #90 RFI #14 (Building 1) **Question:** New tops at VRF in Library and Drawing Room (sheet A560) call for plywood; please specify. **Answer:** Refer to Section 062023. Notes on Drawing A560 indicate finish. -S/P+A-RSB

Add Item #91 RFI #15 (Building 1) **Question:** Plan detail 3/A500 calls for “applied wood casing per jamb detail” at door 121, yet Door Schedule doesn’t indicate any Finish Carpentry. Is wood required? **Answer:** Yes, Door 121 to match wood casing at nearby doors (cross corridor & room doors) within same hallway. Schedule remark for wood trim added. Refer to Bulletin #2 for revised Drawing A910-1. -S/P+A-BV

Add Item #92 RFI #16 (Building 1) **Question:** The only frame types noting wood casing that are listed in the Door Schedule (sheet A910) are type E at door 112.1 and type K at door 101. Frame elevations and details show a lot more finish carpentry work; please clarify, providing a revised schedule if necessary. **Answer:** Schedule remark for wood trim added to ensure wood trim is accounted for even though the head, jamb & elevation details already show this. Refer to Bulletin #2 for revised Drawing A910-1. -S/P+A-BV

Add Item #93 RFI #17 (Building 1) **Question:** Detail 3/A940 calls for Finish Carpentry at “existing cementitious wall base” and references the Finish Plan. No such information can be found on Floor Plans, Floor Pattern & Finish Plans, or Finish Schedule. Please indicate where this is applicable. **Answer:** Refer to Bulletin #2 for revised Drawings that will apply a keynote on the floor pattern & finish plans to address locations. Assume the entire length of wall where existing plaster walls and cementitious wall base exist in order to have a continuous run of wall base. -S/P+A-KD

Add Item #94 RFI #8 (Building 2) **Question:** It is understood that BP #6.1 is responsible for the round wood piece atop existing freestanding handrail per detail 2/A110. Where exactly is this required? And what about the added vertical steel supports, who's responsible for that? **Answer:** This is required at the existing staircase extending from the Lower Level to the Mezzanine Level. Refer to Bulletin #2 for revised Drawings A110-2, A120-2 & A130-2. Construction Manager to provide responsibility. -S/P+A-BV

Add Item #95 RFI #9 (Building 2) **Question:** General Finish Note 11 on Floor Pattern & Finish Plans directs existing chair rail or wood base to be patched, referencing Finish Schedule for specific info per room. No such info exists on the Finish Schedule. Please indicate where this is applicable. **Answer:** General Finish Note L is a general note to match existing profile of chair rail or base. This note should refer to finish key notes in lieu of finish schedule for specific locations. Refer to Bulletin #2 for revised finish plan drawings. -S/P+A-KD

Add Item #96 RFI #10 (Building 2) **Question:** Is the wood rail work (det. 2/A110) applicable to the railing system shown on Typical Mezzanine Elevation 10/A730? This appears to be a guardrail, not handrail. **Answer:** No, refer to RFI #8. -S/P+A-BV

Add Item #97 RFI #11 (Building 2) **Question:** Door Schedule (sht A910) lists frame type SF04 for doors 205.2A and 205.2B. That frame type shows a single door with sidelight whereas these are double doors. Also, these doors are included in a dotted rectangle indicating the Annex which is an alternate; that's not accurate.

i. Where are storefront SF04A and SF04B, that call for a wood cap, located?

ii. Does detail AL-4 correspond to SF04A & B?

1. Is the "dr. opng" height dimension in error since this is simply a detail of the base?

2. What size wood cap is required where rabbet reveal is noted? **Answer:** Doors are double doors, Frame Type revised to SF03. i. SF04a & SF04B are the side walls for Vestibule 101-2 - Refer to plan. ii. Yes
1. Yes, note has been removed. 2. Refer to AL-4 on 5/A910-2. Refer to Bulletin #2 for revised Drawing A910-2. -S/P+A-BV

Add Item #98 RFI #5 (Building 4) **Question:** General Finish Note 11 on Floor Pattern & Finish Plans directs existing chair rail or wood base to be patched, referencing Finish Schedule for specific info per room. No such info exists on the Finish Schedule. Please indicate where this is applicable. **Answer:** General Finish Note L is a general note to match existing profile of chair rail or base. This note should refer to finish key notes in lieu of finish schedule for specific locations. Refer to Bulletin #2 for revised finish plan drawings. -S/P+A-KD

Add Item #99 RFI #6 (Building 5) **Question:** General Finish Note 11 on Floor Pattern & Finish Plans directs existing chair rail or wood base to be patched, referencing Finish Schedule for specific info per room. No such info exists on the Finish Schedule. Please indicate where this is applicable. **Answer:** General Finish Note L is a general note to match existing profile of chair rail or base. This note should refer to finish key notes in lieu of finish schedule for specific locations. Refer to Bulletin #2 for revised finish plan drawings. -S/P+A-KD

Add Item #100 RFI #8 (Building 6) **Question:** General Finish Note 11 on Floor Pattern & Finish Plans directs existing chair rail or wood base to be patched, referencing Finish Schedule for specific info per room. No such info exists on the Finish Schedule. Please indicate where this is applicable. **Answer:** General Finish Note L is a general note to match existing profile of chair rail or base. This note should refer to finish key notes in lieu of finish schedule for specific locations. Refer to Bulletin #2 for revised finish plan drawings. -S/P+A-KD

Add Item #101 RFI #4 (Building 7) **Question:** Construction Note 4 on Floor Plan A110 calls for new ADA-compliant maple benches at locker rooms. Is this meant to be within BP #06.1 scope? Is this bench a prefab item

or custom-made? Please provide additional information and details. **Answer:** Yes. Refer to Bulletin #2 for revised Section 105113.

Add Item #102 RFI #5 (Building 7) **Question:** These ADA benches and standard benches are shown in the locker rooms on Enlarged Plan 2/A700. Please clarify if BP #06.1 is responsible for either. Provide information/details. **Answer:** BP #6.1 Architectural Woodwork is responsible to provide these benches.

Add Item #103 RFI #6 (Building 7) **Question:** What items shown on elev's 3/A731 and 4/A731 are new vs. existing? Abatement Plan HM-8 shows the counter/casework dotted in, indicating removal; existing sink and ice maker appear to remain; remainder of casework is not shown. Demolition Plan A050 implies sink, counter/casework, ice maker, and other casework are existing to remain. Plumbing drawing P111 calls out "ex sink to remain" and "ex ice maker to remain". i. Cabinets (3/A731) are drawn as full-height, yet note says "plastic laminate wall cabinets". If new, provide dimensions and details. ii. Sink and counter (4/A731) are drawn as if new ADA-type, yet notes call for plastic laminate base cabinet. If new, provide dimensions and details. iii. Access to reach the ice maker appears very tight; not sure of logistics to install all the items as shown. **Answer:** Omit interior elevations 3 & 4/a731-7, these are all existing to remain. Refer to Bulletin #2 for revised Drawing A731. - S/P+A-KD

Bid Package #7.1 – Roofing

Add Item #72 RFI #66 (General) **Question:** In the exclusions its lists 2x and similar roof, MEP, expansion joint, and roof penetration blocking. Please confirm that this excludes ALL roof blocking including at CFMF and CMU parapets. **Answer:** Confirmed. BP #7.1 Roofing will be responsible to provide all 2x blocking and sheathing beneath their roofing materials.

Bid Package #9.1 – Gypsum Drywall

Revise Item #94 – RFI #6 (General) **Question:** Please confirm is these sections are included in or noted for coordination only in BP9.01 097714 WOOD VEENER WALL PANELS-097716 FRAMED DECORATIVE PANEL SYSTEM- 097724 TEXTURED WALL PANELS- 098433 SOUND ABSORBIG WALL.
Answer: Section 097714 Wood Veneer Wall Panels, 097716 Framed Decorative Panel Systems & ~~***098433 Sound Absorbing Wall Units***~~ will be supplied by Bid Package #6.1 Architectural Woodwork. **098433 Sound Absorbing Walls Units will be supplied by Bid Package #9.2 Acoustical Ceilings.** This subcontractor shall coordinate installation with these specifications and provide as an example any in-wall blocking requirements. Bid Package #9.1 Gypsum Drywall will be responsible to furnish and install Section 097724 Textured Wall Panels.

Add Item #100 RFI #54 (General) **Question:** Details 16/A254-1, 4/A250-2, and 2/A220-5 please confirm the "F Vertical ACT to Drywall Transition" is furnished and installed by the Drywall bid package. **Answer:** Confirmed as this is a product that will be taped into the vertical gypsum board.

Add Item #101 RFI #57 (General) **Question:** Finish Schedule, please confirm edge detail of ACC-2. **Answer:** Edge detail is shown in detail 6/A254-1.

Add Item #102 RFI #66 (General) **Question:** In the exclusions its lists 2x and similar roof, MEP, expansion joint, and roof penetration blocking. Please confirm that this excludes ALL roof blocking including at CFMF and CMU

parapets. **Answer:** Confirmed. BP #7.1 Roofing will be responsible to provide all 2x blocking and sheathing beneath their roofing materials.

Add Item #103 RFI #13 (General) **Question:** Drawing S120-2 seems to be missing from the project documents. Will this page be provided? **Answer:** Drawing is included in the bid documents. -S/P+A-RSB

Add Item #104 RFI #9 (Building 6) **Question:** What are the deck heights for levels one and 2 at building 6? **Answer:** 14'-0" +/- at single story portion (1960's & 1980's portion) floor to underside of roof deck. 11'-7" +/- floor to underside of second floor deck in 2 story portion. 11'-0" +/- floor to underside of deck at second floor. -S/P+A-BV

Add Item #105 This Subcontractor is responsible to take ownership of refurbish and maintain the previously installed floor protection by Bid Package #2.1 Selective Demolition & Abatement for floors that are existing to remain.

Bid Package #9.2 – Acoustical Ceilings

Add Item #63 RFI #38 (General) **Question:** Please confirm that you are removing spec section 098433 Sound Absorbing Wall Panels from Bid Package #9.2 Acoustical Ceilings. RFI #6 Addendum #2 states that it's in Bid Package #6.1 Architectural Woodwork. **Answer:** See clarification within this Addendum.

Add Item #64 RFI #39 (General) **Question:** Identify where TGP panels are on finishes? **Answer:** Refer to Drawing A260-5, Lobby 150-5.

Add Item #65 RFI #56 (General) **Question:** Please confirm the BP # 9.2 – Acoustical Ceilings Allowance "Temporary or Remove & Replace Ceilings" is not to be used for the remove and reinstall of ceiling grid and/or tiles specifically called out on the RCPs with the diagonal hatch. **Answer:** Confirmed.

Add Item #66 RFI #58 (General) **Question:** Specification section 098436 par. 2.4, calls for both Mack mounted and ceiling mount, since these are to be installed in the ceiling system, please confirm ceiling mount is the correct mounting method. **Answer:** Confirmed.

Add Item #67 RFI #59 (General) **Question:** Please confirm the deck in all areas to receive a new ceiling or have the existing ceiling reinstalled are open and not covered by plaster ceilings. **Answer:** With the exception of Building 1, there are no known plaster ceilings concealing the underside of roof or floor structure. At Building 1, there are plaster ceilings directly applied to the underside of structure (composite reinforced concrete and structural clay tile construction) for typical floors.

Add Item #68 RFI #9 (Building 1) **Question:** Please confirm ceiling type for room B39-1. **Answer:** Acoustical ceiling tile & grid, ACT-1. Refer to Bulletin #2 for revised Drawing A940-1. -S/P+A-KD

Add Item #69 RFI #7 (Building 2) **Question:** Please confirm ceiling type in outer ceiling of mezzanine level Building 2. **Answer:** Acoustical ceiling tile & grid, ACT-1. -S/P+A - KD

Add Item #70 RFI #3 (Building 4) **Question:** Please confirm if the AWP-1 panels are to be installed behind the lockers in detail 3/A731-4 or should just be in open area above lockers. **Answer:** Refer to Bulletin #2 for revised Drawing A731-4. -S/P+A-KD

Add Item #71 RFI #4 (Building 4) **Question:** Please confirm what this large grid is in drawing A211-4. **Answer:** Existing light rigging, see Electrical Drawings. -S/P+A-KD

Add Item #72 RFI #1 (Building 5) **Question:** On drawing A220-5 there is a note that states all ceilings with "ETR" ceilings shall be field verified by the contractor. What does this mean for the scope of work? **Answer:** All ceilings labeled ETR are existing to remain & should not be touched unless required to be stored & reinstalled for M/E/P work. Refer to Bulletin #2 for revised Drawing A220-5. -S/P+A-MES

Add Item #73 RFI #5 (Building 6) **Question:** Please confirm basis of design for the acoustical ceilings where grid and tile are to be reinstalled in rooms 204-6, 205-6, 206-6, 112-6, 151-6, Finish schedule only states ETR. **Answer:** Existing layout will be retained upon reinstallation. Ceiling removal is anticipated due to mechanical work that is occurring on the roof which requires at least partial ceiling removal to access M/E/P. -S/P+A-BV

Add Item #74 RFI #6 (Building 6) **Question:** Finish schedule for rooms 127-6, 128-6, 129-6, 131-6, 133-6, 134-6, 140-6, 101-6, 104-6, 106-6, 107-6, 106-6, indicates ACT-1 ceiling however the drawings show a 24”x48” ceiling and ACT-1 is a 24”x24” tile, please confirm basis of design for these ceilings. **Answer:** Refer to Bulletin #2 for new ceiling type ACT-6 & revised Drawing A960-6. -S/P+A-KD

Add Item #75 RFI #7 (Building 6) **Question:** Finish schedule for rooms 130-6 indicates ACT-2 ceiling however the drawings show a 24”x48” ceiling and ACT-2 is a 24”x24” tile, please confirm basis of design for the ceiling tile. **Answer:** Use ACT-5. Refer to Bulletin #2 for revised Drawing A960-6. -S/P+A-KD

Add Item #76 RFI #2 (Building 7) **Question:** Please confirm ceiling type for room 118.1-7 in Building 7. **Answer:** Reinstall stored ceiling. Refer to RCP Construction Note #1. -S/P+A-KD

Add Item #77 – RFI #6 (General) **Question:** Please confirm is these sections are included in or noted for coordination only in BP9.01 097714 WOOD VEENER WALL PANELS-097716 FRAMED DECORATIVE PANEL SYSTEM- 097724 TEXTURED WALL PANELS- 098433 SOUND ABSORBIG WALL.
Answer: Section 097714 Wood Veneer Wall Panels, 097716 Framed Decorative Panel Systems & ~~***098433 Sound Absorbing Wall Units***~~ will be supplied by Bid Package #6.1 Architectural Woodwork. **098433 Sound Absorbing Walls Units will be supplied by Bid Package #9.2 Acoustical Ceilings.** This subcontractor shall coordinate installation with these specifications and provide as an example any in-wall blocking requirements. Bid Package #9.1 Gypsum Drywall will be responsible to furnish and install Section 097724 Textured Wall Panels.

Bid Package #10.1 – Specialties & Equipment

Revise Item#2 – **DELETE Specification Section 115313 Laboratory Fume Hoods** from this Scope of Work.

Add Item #69 RFI #48 (General) **Question:** What is the specific extent of work associated with 020900 Lead-Based Paint for Bid Package 10.1? **Answer:** Contractors performing work that impacts components coated with lead-based paint shall comply with the work practices identified in Section 020900 Lead Awareness & associated disposal requirements.

Add Item #70 RFI #49 (General) **Question:** Regarding Toilet Accessories: 102800 2.1 A lists four accessories by owner. Schedule on drawings also calls for sanitary dispensers by owner however, these are not called as by

owner in specification. In addition, Schedule for Buildings 2, 5, 6, & 7 do not indicate any accessories as by owner. Please clarify which accessories are by owner and if these are applicable to all buildings. **Answer:** Refer to Bulletin #2 for revised Section 102800. Accessories noted by Owner are applicable to all buildings.

Add Item #71 RFI #51 (General) **Question:** Regarding 090000 Schedule of Finishes : a. Drawings do not identify any locations for Corner Guards. 090000 calls for corner guards at all outside gypsum board corners. Kindly confirm corner guards are to be provided per 090000 at all outside corners of gypsum board walls.
b. 090000 identifies IRP-1 at the Kitchen. However, drawings also identify IRP-1 at 105-2 and two water fountain alcoves (151-6 & 250-6). Kindly advise.
c. 090000 only indicates TB-1 & MB-1. However, there is a schedule on drawings that indicates there are also TB-2, TB-3, MB-2, and MB-3 boards. Confirm boards are to be provided per the schedule on the drawings. **Answer:** a. Confirmed. b. IRP-1 at all locations indicated on drawings. c. TB & MB to be provided per schedule and tagged on drawings.

Add Item #72 RFI #52 (General) **Question:** Specification 115313 Lab Fume Hoods has been assigned to Package 10.1. However, there is science casework being provided by Package 6.1. Typically, these fume hoods will need to be purchased through a science casework vendor. Please strongly consider reassigning 115313 to Package 6.1. **Answer:** See adjustment located within this Addendum #4.

Add Item #73 RFI #53 (General) **Question:** Reviewing the drawings for the Aces at Chase project, there is no clear indication of the quantity of fire extinguishers and cabinets required. Please update drawings to include locations of fire extinguishers/cabinets, and AED units/cabinets as it relates to sections 104300, 104413, and 104416. In lieu of updated drawings, please provide quantities required in each building and whether or not the cabinets are required to be fire-rated. **Answer:** Fire Extinguishers: Building 1 - Seven (7) cabinets, non-rated Building 2 - Three (3) cabinets, non-rated, Building 4 - Five (5) cabinets, non-rated, Building 5 - Three (3) cabinets, rated, Building 6 - Four (4) cabinets, non-rated, Building 7 - Five (5) cabinets, non-rated, surface-mounted, AEDs: One (1) unit in each of the buildings. Refer to Bulletin #2 for revised Drawing A120-4. S/P+A-BV

Add Item #74 RFI #7 (Building 1) **Question:** Regarding Toilet Accessories: Specification calls certain items furnished by owner. Schedule for Building 1 calls out some accessories as owner provided and contractor installed. Typically provided means an item is furnished and installed. Please confirm if items by owner are furnish only or will they be furnished and installed. **Answer:** Refer to Section 101400, 2.1.B. -S/P+A-RSB

Add Item #75 RFI #8 (Building 1) **Question:** A940-1 calls for IRP-1 and PT-1 on walls in the Kitchen 111-1. 090000 indicates IRP-1 to be 9’ or 10’ sheets while RCP calls for 8’-6” ceilings. Please clarify extents of IRP-1 and PT-1 within Kitchen 111-1. **Answer:** IRP-1 to meet at underside of finished ceiling. Refer to Bulletin #2 for revised Drawing A940-1. -S/P+A-KD

Add Item #76 RFI #6 (Building 2) **Question:** Regarding Toilet Accessories: Building 2 has accessories located near the toilets tagged with 18. Per the schedule Tag 18 is for paper towel dispensers. Please advise.
Answer: This toilet accessory to be tagged with #21. Refer to Bulletin #2 for revised drawings. -S/P+A-KD

Add Item #77 RFI #7 (Building 4) **Question:** Kindly confirm Specification 101419 is for the Raised Letters shown on 2/A301-4. **Answer:** Confirmed. -S/P+A-RSB

Bid Package #11.1 – Food Service Equipment

Add Item #67 RFI #5 (Building 1) **Question:** In the main building's kitchen, on detail 1/P200-1, several condensate lines pass through the walk-in cooler & freezer. Please confirm all lines that need to be heat traced. Please confirm who is responsible for the condensate piping associated to the freezer & cooler themselves. Please confirm that the kitchen vendor is responsible for providing any penetrations through the walls of the freezer/cooler needed for the install of the piping. **Answer:** Condensate lines that pass through the cooler/freezer are required to be heat traced & insulated. All condensate piping internal or external of the units will be the responsibility of BP #22.1 Plumbing Systems. Penetrations to be provided by BP #22.1 in coordination with BP #11.1 Food Service Equipment.

Add Item #68 RFI #36 (General) **Question:** Please confirm who is furnishing and installing the walk-in cooler & freezer equipment. - As well who is responsible for the rails of which the condensers will sit on (at roof level) - Who owns furnishing and installing the necessary refrigerant piping/charging the system and starting it up. **Answer:** This scope of work is all included with Bid Package #11.1 Food Service Equipment.

Bid Package #22.1 – Plumbing System

Revise Item #42 **PLUMBING CUT/CAP/ADJUST/ MAKE SAFE ~~REMOVE & DISPOSE~~** This Subcontractor is responsible to cut, cap, make safe, salvage, relocate, maintain, support, ~~remove and dispose~~, maintain functionality, reinstall, maintain uninterrupted services for all existing plumbing utilities at all remaining locations with the exception of the above scope item. ***This Subcontractor is responsible for cut/cap/make-safe of all existing systems for removal by the demolition contractor.*** Et al, This subcontractor shall inspect and verify existing plumbing services to be terminated. This subcontractor shall develop / coordinate a written plan for the safe-off and termination of utilities. Subcontractor shall employ licensed trades to perform plumbing work necessary to properly terminate services a specified. Coordinate all utility work with the respective Utility Company, Authority Having Jurisdiction and the Construction Manager. This Subcontractor shall be responsible for all material and labor to install new valves, caps, loops, fixtures, devices, manhole infills, bypasses, or blanks required to by-pass or maintain continuity of property services. Abandon plumbing shall be removed complete to the source per applicable codes. All service terminations to be left in a finished and complete condition for the next Phase of Construction if applicable.

Add Item #115 RFI #28 (General) **Question:** When it relates to demo, please advise if the contractors own their own dumpsters or if gen trades is providing them. **Answer:** The CM will provide the general debris dumpster for trade use unless otherwise noted in the bid package scope of work.

Add Item #116 RFI #29 (General) **Question:** Per the plumbing specific scope # 89, please confirm where this galvanized steel pan & drain piping is. **Answer:** If none are shown on drawing - disregard scope note.

Add Item #117 RFI #5 (Building 1) **Question:** In the main building's kitchen, on detail 1/P200-1, several condensate lines pass through the walk-in cooler & freezer. Please confirm all lines that need to be heat traced. Please confirm who is responsible for the condensate piping associated to the freezer & cooler themselves. Please confirm that the kitchen vendor is responsible for providing any penetrations through the walls of the freezer/cooler needed for the install of the piping. **Answer:** Condensate lines that pass through the cooler/freezer are required to be heat traced & insulated. All condensate piping internal or external of the units

will be the responsibility of BP #22.1 Plumbing Systems. Penetrations to be provided by BP #22.1 in coordination with BP #11.1 Food Service Equipment.

Add Item #118 RFI #64 (General) **Question**: Condensate Piping is only shown within the plumbing plans. Please verify that the plumbing contractor will own all the condensate piping and traps serving HVAC equipment. **Answer:** Condensate piping will be the responsibility of BP #23.1 HVAC. See Item #82 within the Plumbing Scope of Work for further clarification.

Add Item #119 RFI #6 (Building 7) **Question:** What items shown on elev's 3/A731 and 4/A731 are new vs. existing? Abatement Plan HM-8 shows the counter/casework dotted in, indicating removal; existing sink and ice maker appear to remain; remainder of casework is not shown. Demolition Plan A050 implies sink, counter/casework, ice maker, and other casework are existing to remain. Plumbing drawing P111 calls out "ex sink to remain" and "ex ice maker to remain". i. Cabinets (3/A731) are drawn as full-height, yet note says "plastic laminate wall cabinets". If new, provide dimensions and details. ii. Sink and counter (4/A731) are drawn as if new ADA-type, yet notes call for plastic laminate base cabinet. If new, provide dimensions and details. iii. Access to reach the ice maker appears very tight; not sure of logistics to install all the items as shown. **Answer:** Omit interior elevations 3 & 4/a731-7, these are all existing to remain. Refer to Bulletin #2 for revised Drawing A731. -S/P+A-KD

Add Item #120 RFI #5 (Building 6) **Question:** Please confirm basis of design for the acoustical ceilings where grid and tile are to be reinstalled in rooms 204-6, 205-6, 206-6, 112-6, 151-6, Finish schedule only states ETR. **Answer:** Existing layout will be retained upon reinstallation. Ceiling removal is anticipated due to mechanical work that is occurring on the roof which requires at least partial ceiling removal to access M/E/P. -S/P+A-BV

Bid Package #23.1 – HVAC System

Add Item #138 RFI #17 (General) **Question:** Request for alternative for Niagra based Distech controls to comply with specifications of project. Distech Controls conforms with all specifications and scope of the DDC control system and integration of HVAC equipment. Distech controls complies with Specification 230923. **Answer:** The goal of the project is to bring all remaining buildings & equipment onto the Honeywell Niagra platform that has been established on this campus. Substitution with Distech cannot be approved.

Add Item #139 RFI #36 (General) **Question:** Please confirm who is furnishing and installing the walk-in cooler & freezer equipment. - As well who is responsible for the rails of which the condensers will sit on (at roof level) - Who owns furnishing and installing the necessary refrigerant piping/charging the system and starting it up. **Answer:** This scope of work is all included with Bid Package #11.1 Food Service Equipment.

Add Item #140 RFI #37 (General) **Question:** Confirm that the only louvers that the HVAC contractor owns are ones that are connected to duct work. **Answer:** The HVAC Systems Bid package is responsible to furnish and install louvers that serve equipment, ductwork etc. under this bid package and that may support a specialty or equipment item that requires ductwork. See scope of work and contract documents.

Add Item #141 RFI #32 (General) **Question**: Please confirm that per spec section 232113 - 3.1.e, condensate drain piping can be either type m copper or sch 40 PVC. **Answer:** Refer to Plumbing Drawings for condensate piping & Bulletin #2 for revised Section 232113.

Add Item #142 RFI #33 (General) **Question**: Please advise if (where applicable) makeup-water piping can utilize propress fittings. **Answer:** ProPress fitting are allowed. Refer to Section 221116.

Add Item #143 RFI #63 (General) **Question**: In the HVAC specs section 232113-6 it says that the condensate drain piping is to be Type-M drawn temper copper. But in the schedule M405-1 it says to use copper Type-L hard drawn. Please verify which one are we to use in our takeoff. **Answer:** Please Refer to RFI #32.

Add Item #144 RFI #64 (General) **Question**: Condensate Piping is only shown within the plumbing plans. Please verify that the plumbing contractor will own all the condensate piping and traps serving HVAC equipment. **Answer:** Condensate piping will be the responsibility of BP #23.1 HVAC. See Item #82 within the Plumbing Scope of Work for further clarification.

Add Item #145 RFI #6 (Building 1) **Question:** Is Santa FE the only allowed mfg for the DHU-1 located in the crawl space? A spec section cannot be located. Please also confirm that remarks 1 is correct in that this unit must use R-410A as it is the understanding this refrigeration is being phased out. **Answer**: Refer to Bulletin #2 for revised Drawing M400-1 & Section 238416.16. The BOD is Santa FE with Ultra-Aire & Quest Industries as acceptable alternatives. S/P+A-WY

Add Item #146 RFI #18 (Building 1) **Question:** In the schedule M405-1 it says that refrigeration pipe to be ACR tubing, straight lengths, drawn H58, ASTM B 280. Can we use line sets from the branch selectors to the FCU units. Please verify. **Answer**: Yes. -S/P+A-WY

Add Item #147 RFI #19 (Building 1) **Question:** Mechanical Drawing list shown on M001-1 shows Drawing M200-1 (Building 1-Details-Mechanical). This drawing is not attached. Please confirm that there is no M200-1 Drawing. **Answer**: Confirmed. Refer to Bulletin #2 for revised Drawing M001-1. -S/P+A-WY

Add Item #148 RFI #20 (Building 1) **Question:** Specification Section 233113-13 (G) calls for Fibrous Glass Type 1 2" Thick Liner whereas Duct Insulation Schedule on Drawing M405-1 calls for a Liner Density of 3lb/FT which is a Type 2 Duct Liner Board. Please Clarify Type of Duct Liner to be used, big price difference between Type 1 & Type 2. **Answer**: Contractor to follow Duct Insulation Schedule on Drawing M405-1. Refer to Bulletin #2 for revised Section 233113. -S/P+A-WY

Add Item #149 RFI #12 (Building 2) Question: On Drawing M113-2, there is some ductwork shown that is drawn with solid double lines. Does this indicate that this ductwork is Double Wall, or is it just acoustically lined? **Answer**: Acoustically lined. -S/P+A-TH

Add Item #150 RFI #5 (Building 6) **Question:** Please confirm basis of design for the acoustical ceilings where grid and tile are to be reinstalled in rooms 204-6, 205-6, 206-6, 112-6, 151-6, Finish schedule only states ETR. **Answer:** Existing layout will be retained upon reinstallation. Ceiling removal is anticipated due to mechanical work that is occurring on the roof which requires at least partial ceiling removal to access M/E/P. -S/P+A-BV

Bid Package #26.1 – Electrical, Security & Audio/Visual

Add Item #109 – RFI #43 (General) **Question:** BP 27.1 Comm. SOW- Items #46, #50, #51 all are related to security work provided under BP26 electrical- please clarify/remove from BP271. SOW. **Answer:** See clarification within this Addendum for item #46 & 50. Some interconnectivity between packages may be required. Scope Item #51 will remain.

Add Item #110 – RFI #21 (Building 1) **Question:** Building #1 in the lighting plans there is a note 6. Indicated at a lightly shaded symbol for what looks to be 2 head emergency wall lights. These fixtures do not have a designation and appear to be existing to be reconnected based on note #6. Please confirm this is accurate or if new fixtures need to be provided please provide clarification or more information. **Answer:** Correct, these are existing to remain twinhead emergency fixtures which will need to be reconnected. -S/P+A-MTC

Add Item #111 – RFI #1 (Building 2) **Question:** Please refer to Building 2 – Library Drawing T400-2 Detail 02 – Interbuilding Backbone Cable Diagram – Which bid package is responsible for the conduit installation for the backbone cabling? **Answer:** BP #26.1 Electrical, Security & AV will be responsible to furnish and install the pathway of conduit exiting the building and through the site to each building.

Add Item #112 RFI #4 (Building 4) **Question:** Please confirm what this large grid is in drawing A211-4. **Answer:** Existing light rigging, see Electrical Drawings. -S/P+A-KD

Add Item #113 RFI #5 (Building 6) **Question:** Please confirm basis of design for the acoustical ceilings where grid and tile are to be reinstalled in rooms 204-6, 205-6, 206-6, 112-6, 151-6, Finish schedule only states ETR. **Answer:** Existing layout will be retained upon reinstallation. Ceiling removal is anticipated due to mechanical work that is occurring on the roof which requires at least partial ceiling removal to access M/E/P. -S/P+A-BV

Bid Package #27.1 – Communications

Delete Item # 46 ~~This Subcontractor is responsible for all cabling originating from control panels to each device or door opening and all local cabling from a junction box or similar to the security device. Patch cabling, panic button cabling etc is also to be included for a complete and operational security system.~~

Delete Item #50 ~~This subcontractor shall complete all final terminations for all automated door operators and power supplies including but not limited to; line voltage and access control, in coordination with the existing storefront doors. Coordinate with hardware supplier / installer, and all other trades to provide a complete commissioned system per contract documents.~~

Add Item #73 – RFI #40 (General) **Question:** Please clarify Permit fees, BP27.1 SOW item #16 says all permit fees waived, #38 says to include all permit fees. Please clarify if we need to carry Waterbury CT permit fees and state education fees. **Answer:** Under Project Specific Items - follow scope note #38.

Add Item #74 – RFI #41 (General) **Question:** Electrical SOW item# 46 determines the EC is responsible for keeping all T/D systems up and running. Please clarify if correct or is BP 27.1 Comm responsible. **Answer:** BP #27.1 is responsible to maintain all existing communications systems in order to properly execute each building phase.

Add Item #75 – RFI #42 (General) **Question:** Demo- Please clarify demo scope for BP27.1 Communications. Only building #6 Upper School has demo drawings. Is this the only demo scope? Please clarify all demo. **Answer:** BP #27.1 Communications is responsible for cut, cap and make safe, selective or complete removal of devices as each building requires that will be replaced with new.

Add Item #76 – RFI #43 (General) **Question:** BP 27.1 Comm. SOW- Items #46, #50, #51 all are related to security work provided under BP26 electrical- please clarify/remove from BP271. SOW. **Answer:** See clarification within

this Addendum for item #46 & 50. Some interconnectivity between packages may be required. Scope Item #51 will remain.

Add Item #77 – RFI #44 (General) **Question:** BP27.1 Comm SOW-Item #48-Please clarify the intent is rack layout coordination is the only task for BP27.1. All other noted work and or equipment is not supplied under this BP? **Answer:** Confirmed. This subcontractor shall provide a complete system in accordance with the contract documents. ie: supplying of racks, patch panels terminating etc.

Bid Package #31.1 – Sitework & Landscaping

Delete Item #97 ~~This Subcontractor shall provide all stone veneer and caps for stairs, site walls and retaining walls regardless of location.~~

Delete Item #99 ~~This Subcontractor shall provide curved and straight seat walls – including excavation, concrete base and stone veneer.~~

Add Item #129 This Subcontractor shall include all excavation, approved backfill, stone, shoring if necessary, etc. as required to facilitate the installation of all stone veneer retaining walls, site walls, site stairs in accordance with the contract documents.

Add Item #130 This Subcontractor is responsible for all site concrete, including but not limited to, general materials, concrete sidewalks, walks, stairs/steps within sidewalk areas without footings or foundations beneath, concrete driveways and aprons, concrete pads, all curbs and gutters, sidewalk ramps, retaining walls and ramps without foundations, mechanical & electrical equipment pads shown on the civil, structural & MEP Drawings, gas meter concrete pads, curb ramps, dumpster pads, site housekeeping concrete pads, concrete pavements, concrete roadway ramps, concrete roadway, pedestrian walks, cast in place bollard, site improvement footings, ADA Handicap Ramps, detectible warning strips, all sidewalk ramps HC or otherwise, concrete edge protection, integral concrete curbing or monolithic curbing in sidewalks, flush concrete curbs, joint materials, joint filler, asphaltic expansion joints, expansion and contraction joints within cement concrete pavement, joints between cement concrete and asphalt pavement, joints, forms, concrete stoops & landings, match existing conditions, mix-designs, hot and cold weather concrete requirements, ready-mix concrete, additives, joint sealants, waterproof joint sealants, layout, reinforcing, dowels, welded wire fabric, deformed bar reinforcing, steel reinforcing, chairs/supports/ties, tie-ins to existing structures, warranties, shop drawings, tactile warning surfacing, miscellaneous accessories, etc. in accordance with **Specification Section 033200 Site Cast-In-Place Concrete**, and the Contract Documents.

Add Item #131 RFI #9 (Site) **Question:** Is BP 31.1 Sitework & Landscaping only responsible for the trench and back fill for the gas line work and all piping is BY OTHERS? Please Confirm. **Answer**: For bidding purposes, assume contractor will be required for trench and backfill. The new pipe will be laid by the gas company.

Add Item #132 RFI #11 (Site) **Question:** Furnishing and installing stone veneer and bluestone cap is not usually performed by BP 31.1 Sitework. This work is more common for BP 4.1 Masonry. Confirm that all stone veneer is to be furnished and installed by BP 4.1 Masonry. **Answer**: See clarification this Addendum #4.

Add Item #133 RFI #12 (Site) **Question:** On plan sheet C202 there is a proposed "Accessible 5% walk with concrete retaining walls" between the Library (bldg. 2) and the Annex Building noted per detail 2A on plan sheet

C704. Should the callout be detail 1C/C704 rather than detail 2A? **Answer**: Yes, the detail callout should be 1C/C704 rather than 2A/C704. Refer to Bulletin #2 for revised Drawing C202. -Benesch

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE APPROPRIATE SPACE ON THE BID FORM
ATTACHMENTS AS INDICATED ABOVE
END ADDENDUM #04 – INVITATION TO BID #01

BID FORM

DATE: DECEMBER 11, 2025
REV. 1/15/16

PROJECT:
ALTERATIONS TO ACES AT CHASE
565 Chase Parkway
Waterbury, CT
State Project # 244-0044 MAG

TO:
CONSTRUCTION MANAGER:
DOWNES CONSTRUCTION COMPANY, LLC
200 STANLEY STREET
NEW BRITAIN, CT 06051

Pursuant to and in compliance with the "**Invitation to Bid**" dated: **December 11, 2025** the undersigned,

_____
(Name of Bidding Firm)

having visited the site, familiarized him/ herself with the conditions present and carefully examined all Contract Documents (Invitation To Bid, Bid Package Scope of Work, Downes Construction's Supplemental Instructions, General Items – All Trade Packages, complete Specifications and Drawings together with all Addenda) issued and received prior to closing time for receipt of bids as prepared by Downes Construction (Construction Manager), the ACES (Owner), Silver Petrucelli & Associates (Architect), their consultants and hereby offers and agrees as follows:

To provide all labor, materials, equipment, tools, transportation, supervision, appurtenances and services required to diligently perform all work in connection with the above referenced project to the satisfaction of the Architect, Engineer Consultants, Construction Manager and Owner, specifically including the following Bid Package for the lump sum price as follows:

ACES AT CHASE	
BID PACKAGE # AND DESCRIPTION:	
The undersigned hereby states that all work will be completed for each of the following Building Breakout Costs:	
Building #1 Main School Cost	**$** **(Bid in numbers)**
Building #2 Library Cost	**$** **(Bid in numbers)**

BID FORM

Building #4 Music Hall Cost	**$** (Bid in numbers)
Building #5 Lower School Cost	**$** (Bid in numbers)
Building #6 Upper School Cost	**$** (Bid in numbers)
Building #7 Gymnasium Cost	**$** (Bid in numbers)
Sitework & Civil Cost – Total and not by Phase	**$** (Bid in numbers)
The undersigned hereby states that all work will be completed for the lump sum of:	
Lump Sum Bid - Total from Above Buildings <u>in Words</u> (Including bonds):	(Bid in words)
Lump Sum Bid - Total from Above Buildings <u>Numerically</u> (Including bonds):	**$** (Bid in numbers)
<u>Breakout</u> cost for 100% Performance and Labor and Material Payment Bonds <u>Numerically</u>:	**$** (Bond breakout in numbers)

Use the following section for **<u>COMBINED BIDS ONLY</u>**. Indicate N/A or leave blank if submitting a bid on only one package above or are electing not to submit a combined bid. Combination bids for any combination of bid packages will be accepted, provided the Bidder submits a bid for the individual packages to be combined. Combination bids are allowed only for bids due at the same time. Bid Combination offers should be submitted by letter in separate envelope marked "Combination Bid for Bid Packages (BP No. & Description)". The letter must be on a business letterhead and bear the signature of the individual signing the bid. A separate bid bond is <u>not</u> required for the combination bid. Bid Bonds for the individual bids are required.

<u>COMBINED BIDS</u> FOR BID PACKAGE #(s) AND DESCRIPTION(s): (Fill in to right)	
The undersigned hereby states that all work for the above COMBINED bid packages will be completed for the lump sum of:	

BID FORM

Lump Sum Bid <u>in words</u> (Including bonds):	
Lump Sum Bid <u>Numerically</u> (Including bonds):	**$** **(Bid in numbers)**
Breakout cost for 100% Performance and Labor and Material Payment Bonds <u>Numerically</u>:	**$** **(Bond breakout in numbers)**

We further agree that this price is all-inclusive and that all contract documents have been reviewed and that every question, conflict or issue has been addressed to our satisfaction. Therefore, no change orders will be issued unless unforeseen conditions are encountered or the owner or owner's representatives revise the scope of the work.

The following is a breakdown of our lump sum base bid <u>as requested in the bid package scope of work</u>:

Description	Unit	Qty	Value

BID FORM

Lump Sum Bid			$
Total Estimated <u>On-Site</u> Manhours:			

A. The bid includes the **Addenda** listed below:

Addendum #	Dated

Addendum #	Dated

BID FORM

B. **Alternate Bids** are proposed as follows: Indicate N/A in any blank spaces. Alternate Bids are in addition to the base bid may affect the lowest responsible bidder. Alternates may be accepted in any order. (See Specifications Section 01 23 00 for full descriptions of alternates).

Alternate #	Description	Alternate Bid (Including Bonds)
1	**ADD ALTERNATE #1 Stage 102-4 Reconstruction**	
2	**ADD ALTERNATE #2 Building 2 Annex & Associated Sitework**	
3	**ADD ALTERNATE #3 Student Parking Adjacent to Building #7**	

C. Allowances are <u>included in the base bid</u> as follows as requested in the Bid Package Scope of Work. The undersigned bidder acknowledges that OH&P for these allowances are NOT included in the allowance but rather in the base bid separately. Unit Prices that may be used to arrive at allowances shall be valid for the life of the project. Un-used portions of allowances will be credited by deduct change order a project conclusion. Indicate N/A for those allowances that are not applicable to the bidders bid package or if none are requested in the bid package. Bidder to complete all calculations for allowances for their bid packages. Exclusion of allowances is NOT permissible. (**Refer to individual Bid Package Scopes of Work for allowances to be included in the lump sum bid)**

BP # 1.1 – Final Cleaning Allowance:				
Allowance 1	**Miscellaneous Final Cleaning**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	120		
			Total Allowance 1 included in Base Bid (Bidder to Calculate):	
BP # 1.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 2.1 – Selective Demolition Allowances:				
Allowance 1	**Additional Selective Demolition**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	360		

C	Material	1 LS	$15,000.00	$15,000.00
		Total Allowance 1 included in Base Bid (Bidder to Calculate):		
BP # 2.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 3.1 – Concrete Allowances:				
Allowance 1	**Misc. Existing Concrete Slab & Infill Repair**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	120		
C	Material	1 LS	$10,000.00	$10,000.00
		Total Allowance 1 Included in Base Bid (Bidder to calculate):		
BP # 3.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 4.1 - Masonry Allowances:				
Allowance 1	**Existing Building Masonry Cutting & Patching**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	180		
C	Material & Equipment	1 LS	$10,000.00	$10,000.00
		Total Allowance 1 Included in Base Bid (Bidder to calculate):		
BP # 4.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 5.1 – Structural Steel / Misc. Metals Allowances:				
Allowance 1	**Misc. Metals**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Misc Steel Frames	1 LS	$15,000	$15,000.00

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			Total Allowance 1 Included in Base Bid (Bidder to calculate):	**$15,000.00**
BP # 5.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 9.1 – Gypsum Drywall Allowances:				
Allowance 1	**Patch Existing Finishes**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	280		
B	Material & Equipment	1 LS	$10,000.00	$10,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
Allowance 2	**Safety & Carpentry**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	280		
C	Material & Equipment	1 LS	$8,000.00	$8,000.00
			Total Allowance 2 Included in Base Bid (Bidder to calculate):	
Allowance 3	**Temporary Partitions & Enclosures**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	160		
C	Material & Equipment	1 LS	$15,600.00	$15,600.00
			Total Allowance 3 Included in Base Bid (Bidder to calculate):	
BP #9.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 9.2 – Acoustical Ceilings Allowances:				

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Allowance 1	**Temporary Ceilings**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	200		
C	Material & Equipment	1 LS	$15,000.00	$5,000.00
	Total Allowance 1 Included in Base Bid (Bidder to calculate):			
BP # 9.2 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 9.3 – Flooring Allowance:				
Allowance 1	**Topical Moisture Control**			
	Description	**Quantity**	**Unit Price**	**Amount**
A	Topical Moisture Control SOG/SOD (Square Foot)	30,000SF		
	Total Allowance 1 Included in Base Bid (Bidder to calculate):			
BP # 9.3 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 9.4 – Painting Allowances:				
Allowance 1	**Painting Touch-up**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	200		
	Total Allowance 1 Included in Base Bid (Bidder to calculate):			
BP # 9.4 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 14.1 – Elevators Allowance:				
Allowance 1	**Operator Run Time**			
	Description		**Unit Price**	**Amount**

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A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	40		
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
BP # 14.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 21.1 – Fire Suppression Allowances:				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	60		
C	Material & Equipment	1 LS	$4,500.00	$4,500.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
BP # 21.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 22.1 – Plumbing System Allowances:				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	160		
C	Material & Equipment	1 LS	$4,500.00	$4,500.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
Allowance 2	**Temporary Environmental Conditioning**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate	Included in blended rate below	Included in blended rate	Included in blended rate below

	below)		below	
B	Labor Hours (Blended Rate)	80		
C	Material & Equipment	1 LS	$5,000.00	$5,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
BP # 22.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 23.1 – HVAC System Allowance:				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	160		
C	Material & Equipment	1 LS	$10,000.00	$10,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
Allowance 2	**Temporary Environmental Conditioning**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	160		
C	Material & Equipment	1 LS	$10,000.00	$10,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
BP # 23.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 26.1 – Electrical, Security/AV Allowances:				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**

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A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	160 HRS		
C	Material & Equipment	1 LS	$4,500.00	$4,500.00
	Total Allowance 1 Included in Base Bid (Bidder to calculate):			
Allowance 2	**Temporary Environmental Conditioning (Unforeseen)**			
	Description			
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	80 HRS		
C	Material & Equipment	1 LS	$5,000.00	$5,000.00
	Total Allowance 2 Included in Base Bid (Bidder to calculate):			
BP # 26.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 27.1 – Communications Allowance				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	120		
C	Material & Equipment	1 LS	$5,000.00	$5,000.00
	Total Allowance 1 Included in Base Bid (Bidder to calculate):			
BP # 27.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 28.1 – Fire Alarm Allowance				
Allowance 1	**Maintain Occupancy (Unforeseen)**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	80		

C	Material & Equipment	1 LS	$5,000.00	$5,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	
BP # 28.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				
BP # 31.1 – Sitework & Landscaping Allowances:				
Allowance 1	**Site Grounds Maintenance**			
	Description		**Unit Price**	**Amount**
A	Maintenance	1 LS	25,000.00	25,000.00
			Total Allowance 1 Included in Base Bid (Bidder to calculate):	**$25,000.00**
Allowance 2	**Snow Removal & Winter Conditions**			
	Description		**Unit Price**	**Amount**
A	Maintenance	1 LS	25,000.00	25,000.00
			Total Allowance 2 Included in Base Bid (Bidder to calculate):	**$25,000.00**
Allowance 3	**General Field Maintenance**			
	Description		**Unit Price**	**Amount**
A	Foreman/Supervision (Included w/ blended rate below)	Included in blended rate below	Included in blended rate below	Included in blended rate below
B	Labor Hours (Blended Rate)	180		
C	Material & Equipment	1 LS	$10,000.00	$10,000.00
			Total Allowance 3 Included in Base Bid (Bidder to calculate):	
Allowance 4	**Rock Excavation**			
	Description		**Unit Cost (CY)**	**Amount**
A	100 cubic yards of Mass Rock Excavation			
B	250 cubic yards of Trench Rock Excavation			
			Total Allowance 4 Included in Base Bid (Bidder to calculate):	
BP # 31.1 – Confirm by checking the following box that all of the <u>above</u> allowances are included in the Base Bid as directed. Confirmed ☐ Exclusion of allowances is NOT compliant with the bid documents.				

D. Unit pricing is proposed as follows: Unit Prices shall remain valid for the life of project. Include all costs for a complete installation and/or removal. All unit prices will be used for Adds

or Deducts from the contract price and are to include all overhead, profit, insurance, bonds, etc. Indicate N/A in any blank spaces. (Refer to Bid Package Scope of Work for additional information and Specifications for specific requests for unit pricing**)**

Item No. 1 – ASBESTOS CONTAINING FLOORING MATERIALS AND ADHESIVES (All Layers to Substrate), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 2 – ASBESTOS CONTAINING MASTIC ON CONCRETE (All Layers to Substrate), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 3 – ASBESTOS CONTAINING MUDDED PIPE FITTING INSULATION, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

$_____each.

Item No. 4 – ASBESTOS CONTAINING MUDDED PIPE FITTING INSULATION WITHIN MASONRY WALLS, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

$_____each.

Item No. 5 – ASBESTOS CONTAINING THERMAL SYSTEM INSULATION, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

_____linear foot.

Item No. 6 – ASBESTOS CONTAINING THERMAL SYSTEM INSULATION WITHIN MASONRY WALLS, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

$_____linear foot.

Item No. 7 – ASBESTOS CONTAINING INTERIOR CAULK, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per linear foot.

Item No. 8 – ASBESTOS CONTAINING INTERIOR PARTITION/TRANSOM/SIDELIGHT WINDOW SASH, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per sash.

Item No. 9 – ASBESTOS CONTAINING SINK UNDERCOATING, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per sink.

Item No. 10 – ASBESTOS CONTAINING CERAMIC FLOOR TILE, MUD BASE, GROUT (all layers to bare concrete), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 11 – ASBESTOS CONTAINING CERAMIC FLOOR TILE, MUD BASE, GROUT, COMCRETE AND VAPOR BARRIER, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB

WASTE >50 PPM.

$_____per square foot.

Item No. 12 – DOORS WITH ASBESTOS CONTAINING WINDOW GLAZING COMPOUND, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____each.

Item No. 13 – DOORS WITH ASBESTOS CONTAINING CORE INSULATION, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____each.

Item No. 14 – ASBESTOS CONTAINING PLASTER (all layers to bare substrate), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 15 – ASBESTOS CONTAINING TEXTURED CEILING PAINT, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 16 – ASBESTOS CONTAINING JOINT COMPOUND AND ASSOCIATED SHEETROCK, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 17 – ASBESTOS CONTAINING GLUE DAUBS AND ASSOCIATED ACOUSTICAL CEILING TILES, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 18 – ASBESTOS CONTAINING FLEX CONNECTOR, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____each.

Item No. 19 – ASBESTOS CONTAINING CEMENT BOARD CHALK BOARD AND ASSOCIATED ADHESIVE, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 20 – ASBESTOS CONTAINING CEMENT BOARD, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 21 – ASBESTOS CONTAINING LIGHT FIXTURE PAPER, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 22 – ASBESTOS CONTAINING DUCT INSULATION, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 23 – ASBESTOS CONTAINING CHIMNEY FLUE CEMENT, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 24 – ASBESTOS CONTAINING MIRROR ADHESIVE AND ASSOCIATED MIRROR, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 25 – ASBESTOS CONTAINING CERAMIC WALL TILE ADHESIVE AND ASSOCIATED TILE, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot.

Item No. 26 – ASBESTOS CONTAINING EBONITE TABLE TOPS AND BACK SPLASH, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot

Item No. 27 – ASBESTOS CONTAINING INSULATION BEHIND RADIATORS, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____square foot

Item No. 28 – ASBESTOS CONTAINING VALVE PACKING, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

$_____each.

Item No. 29 – ASBESTOS CONTAINING GASKETS AT BOLTED CONNECTIONS, REMOVAL AND DISPOSAL AS ASBESTOS WASTE.

$_____each.

Item No. 30 – ASBESTOS CONTAINING EXTERIOR CAULKS, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per linear foot.

Item No. 31 – ASBESTOS CONTAINING REGLET TAR, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 32 – ASBESTOS CONTAINING ROOF FLASHING CEMENT (ALL LAYERS), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 33 – ASBESTOS CONTAINING ROOF FIELDS (ALL LAYERS), REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 34 – ASBESTOS CONTAINING VAPOR BARRIER UNDER CERAMIC FLOOR TILES, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.

$_____per square foot.

Item No. 35 – ASBESTOS CONTAINING EXTERIOR METAL SILL/PANEL ADHESIVE, REMOVAL AND DISPOSAL AS ASBESTOS AND PCB WASTE >50 PPM.
$_____square foot

Item No. 36 – SPOT REPAIR UTILIZING OSHA GLOVE BAG REMOVAL METHOD FOR LESS THAN 3 SQUARE FEET/LINEAR FEET OF ACM.

$_____per glove bag.

Item No. 37 – PREPARATION OF A NEGATIVE PRESSURE ENCLOSURE INCLUDING SHOWER UNIT, WATER FILTRATION UNIT, HOT WATER HEATER.

$_____per hour.

Item No. 38– DISPOSAL OF ASBESTOS AND PCB WASTE >50 PPM.

$_____per ton.

Item No. 39 – DISPOSAL OF ASBESTOS AND PCB WASTE >1 PPM AND <50 PPM.

$_____per ton

Item No. 40 – DISPOSAL OF PCB WASTE >50 PPM.

$_____per ton.

Item No. 41 – DISPOSAL OF PCB WASTE >1 PPM AND <50 PPM.

$_____per ton.

Item No. 42 – DOORS WITH NON-ASBESTOS WINDOW GLAZING COMPOUND, REMOVAL AND DISPOSAL AS PCB WASTE >50 PPM.

$_____each.

Item No. 43 – WINDOWS WITH NON-ASBESTOS CONTAINING WINDOW GLAZING COMPOUND, REMOVAL AND DISPOSAL AS PCB WASTE >50 PPM.

$_____each.

Item No. 44 – INTERIOR NON-ASBESTOS CONTAINING CAULK, REMOVAL AND DISPOSAL AS PCB WASTE >50 PPM.

$_____per linear foot.

Item No. 45 – REMOVAL AND DISPOSAL OF PCB-CONTAINING LIGHT BALLAST.

$_____per ballast.

Item No. 46 – REMOVAL AND RECYCLING OF THERMOSTATIC CONTROL OR SWITCH WITH MERCURY AMPULE.

$_____each.

Item No. 478 – REMOVAL AND RECYCLING OF MERCURY VAPOR LIGHT TUBE.

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$_____per linear foot.

$_____per round or U-shaped tube.

E. Labor rates are proposed as follows: Indicate N/A in any blank spaces. (Rates shall be valid for the life of the project and be inclusive of insurance, fringes, taxes & OH&P etc.) (Attach Separate Breakdown Sheet)

Labor Classification / Trade	Straight Time	Time & one half	Double Time
****PROVIDE SEPARATE ATTACHMENT****			

F. Equipment rates are proposed as follows: Indicate N/A in any blank spaces. (Rates shall be valid for the life of the project and be inclusive of insurance, fringes, taxes & OH&P etc.)

Equipment Rates	Straight Time	Time & one half	Double Time
****PROVIDE SEPARATE ATTACHMENT****			

TIME OF COMPLETION: We agree that the Work of the Contract shall begin within ten (10) calendar days after receipt of Notice of Intent to Award. Scheduling and allocation of manpower to accomplish the work shall be in conformance with the Phasing Diagrams, Site Logistics and the Contract Documents.

BID ACCEPTANCE: We agree that this proposal shall not be withdrawn for a period of 90 calendar days after the date of submittal. We understand that the Downes Construction and the owner reserve the right to accept or reject any or all bids and to waive any informality on the bidding process.

CONTRACT EXECUTION: Upon notification of acceptance of this proposal, we shall execute a formal contract (AIA) within seventy-two (72) hours of receipt of the contract via DocuSign electronic signature solution.

CHRO REQUIREMENTS: We agree and understand that the Subcontractors who are selected to perform this State project must comply with CONN. GEN. STAT. §§ 4a-60, 4a-60a, 4a-60g, and 46a-68b through 46a-68f, inclusive, as amended by June 2015 Special Session Public Act 15-5. An Affirmative Action Plan must be filed with and approved by the Commission on Human Rights and Opportunities prior to the commencement of construction. State law requires a minimum of twenty-five (25%) percent of the state-funded portion of the contract for award to subcontractors holding current certification from the Connecticut Department of Administrative Services ("DAS") under the provisions of CONN. GEN. STAT. § 4a-60g, as amended. (25% of the work with DAS certified Small and Minority owned businesses and 25% of that work with DAS certified Minority, Women and/or Disabled owned businesses.) The contractor must demonstrate good faith effort to meet the 25% set-aside goals. For municipal public works contracts and quasi-public agency projects, the contractor must file a written or electronic non-discrimination certification with the Commission on Human Rights and Opportunities. Forms can be found at http://www.ct.gov/opm/cwp/view.asp?a=2982&q=390928&opmNav_GID=1806

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PERFORMANCE & PAYMENT BOND: We will provide a Performance Bond and Labor and Material Payment Bond in the full amount of the Contract with ten (10) days of receiving a notice to proceed/letter of intent if requested.

It is understood that Downes Construction and the Owner reserve the right to accept or reject any and all bids that is deemed to be in their best interests.

By submission of this proposal, the undersigned acknowledges that they have read their bid package scope of work, all drawings, all specifications, understand the schedule requirements and agrees to provide sufficient staff and organization and to select subcontractors and suppliers to comply with the requirements for submittals, delivery dates, work periods and completion dates as specified.

1. Provide the names of the Project Manager and Field Superintendent/Foreman the Contractor will use on this Project. (MUST HAVE 5 YEARS EXPERIENCE WITH THESE TITLES) On a separate sheet briefly summarize their experience.

Project Manager: _____

Field Superintendent/Foreman: _____

2. State the name of your insurance carrier and the A.M. Best & Company rating of your insurance carrier.

Insurance Carrier: _____

Rating: _____

3. State the general liability rate of your firm in the interstate and intrastate workers' compensation experience modification rate for your firm for the three (3) years.

General liability rate: _____

Workers' Compensation Experience Modification Rate: _____

ENCLOSURES: Included with this proposal are the following in this order:

A. Bid Security in the amount of Ten Percent (10%) of the Base Bid Sum (Bid Bond or Certified Check) for any bid for work with an estimated value of at least Fifty Thousand Dollars ($50,000.00) If the bidder is a small contractor or minority business enterprise pursuant to Connecticut General Statutes Section 4a-60g and further described in Appendix I, Administrative and Statutory Requirements, it may provide in lieu of a bid bond, a letter of credit in an amount equal to Ten Percent (10%) of the bid amount if the estimated value is less than one hundred thousand dollars and in an amount equal to Twenty-Five Percent (25%) of the bid amount, if the estimated value is one hundred thousand dollars or greater. – Obligee is Downes Construction.

B. Substitution Listing (As Applicable);

C. Workman's Compensation Experience Modification Factor (EMR) form from insurer;

D. Non-Collusion Affidavit;

E. Acknowledgement of Surety;

F. Contractor's Qualification Statement (AIA Document A305, 2020 Edition), provide past experience with projects of a similar nature and scope within the past 5 years;

G. Proof of Insurance in accordance with Contract Requirements on Sample Accord Form;

H. CHRO Notification to Bidders Form.

I. DAS Pre-qualification Certificate and Updated Statement (As Applicable);
J. State DAS S/M/WBE Certification (As Applicable).

The undersigned hereby certifies that he/she is able to furnish all labor, material and equipment necessary to complete the work as directed and/or described in the Contract Documents and to work in harmony with all other elements of labor employed or to be employed on the work.

_____ _____
Business Address Title

_____ _____
City, State, Zip Signature

Date _____

The Bidder is a/an (individual)(partnership)(corporation). Names and titles of other officers or partners are:

_____
_____(for corporation, give the State of Incorporation and affix the corporate seal)

ALTERATIONS

ACES at CHASE
565 CHASE PARKWAY
WATERBURY, CT 06708
STATE PROJECT #244-0044 MAG

S/P+A PROJECT #22.050

DATE: January 9, 2026

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Bulletin #2.

New Specifications:

- SECTION 238416.16, INDOOR MECHANICAL DEHUMIDIFICATION UNITS been added and is attached as part of this bulletin. (8) *(Per RFI #6-1)*

- SECTION 282300, VIDEO SURVEILLANCE SYSTEM been added and is attached as part of this bulletin. (27) *(Per Owner Request)*

Changes to the Specifications:

- TABLE OF CONTENTS:

  - Page 4, Division 10 – Specialties, Section 105113, Pages, revise “6” to read “7”. *(Per RFI #4-7)*
  - Page 6:

    - Division 23 – Heating, Ventilating and Air Conditioning, add the following:

      “Section 238416.16 Indoor Mechanical Dehumidification Units 8” *(Per RFI #6-1)*

    - Division 28 – Electronic Safety and Security, add the following:

      “Section 232300 Video Surveillance System 27” *(Per Owner Request)*

- SECTION 090000, SCHEDULE OF FINISHES:

  - Page 2, Floors:

    - LVT-1, Color, revise “Winter Fleece C117” to read “Cottontail C118”.
    - LVT-2, Color, revise “Misty Mountain C141” to read “Stonehenge C142. *(Per Owner Request)*

  - Page 8, Walls, AWP-2, revise to read “Not Used”. *(Per RFI #55)*
  - Page 12, Ceilings, add the following:

    “**ACT-6**
    Item: Acoustical Ceiling Tile
    Manufacturer: Armstrong
    Style: Dune Second Look II

Color:	White
Size:	2’ x 4’
Location:	Refer to Finish Schedule
Notes:	Angled Tegular 15/16”; Refer to Section 095113
Local Rep:	Julie Wilson 959.236.4361” *(Per RFI #6-6)*

- Page 19, Miscellaneous, revise “**MB-1**” to read “**MB-X**” and “**TB-1**” to read “**TB-X**”. *(Per RFI #51)*

- SECTION 095113, ACOUSTICAL PANEL CEILINGS, Page 4, Article 2.4, add the following:

  “E. Basis-of-Design Product (**ACT-6**):

  1. Armstrong World Industries, Inc.; **Dune Second Look II**
  2. Classification: Provide panels complying with ASTM E 1264 for type, form, and pattern as follows:

     a. Type and Form: Type III, mineral base with painted finish; Form 2, water felted.
     b. Pattern: E (lightly textured).

  3. LR: Not less than 0.81.
  4. NRC: Not less than 0.50.
  5. CAC: Not less than 35.
  6. Thickness: ¾-inch.
  7. Color, Edge/Joint Detail, and Modular Size: As indicated in Section 090000 “Schedule of Finishes”.” *(Per RFI #6-6)*

- SECTION 098433, SOUND-ABSORBING WALL UNITS, Page 4, Article 2.3.C.5., delete “and **-2**” in its entirety. *(Per RFI #55)*

- SECTION 102800, TOILET ACCESSORIES:

  - Page 2, Article 2.1.A., add the following:

    “5. Vendor (sanitary napkin dispenser).”

  - Page 3, Article 2.4.B., delete in its entirety. *(Per RFI #49)*

- SECTION 105113, METAL LOCKERS, delete in its entirety. A new SECTION 105113 has been added and is attached as part of this bulletin. (7) *(Per RFI #4-7)*

- SECTION 115313, LABORATORY FUME HOODS, Page 4, Article 2.1.D.1. revise to read as follows:

  “Size (without Base Cabinet): Refer to dimensions on Drawings.” *(Per RFI #79)*

- SECTION 123553.16, PLASTIC-LAMINATE-CLAD LABORATORY CASEWORK:

  - Page 3:

    - Article 2.4.A.1., revise “Onepointe Solutions, LLC” to read “CiF Laboratory Solutions”.
    - Article 2.4.B.1., revise to read, “CiF Laboratory Solutions” to read “Mott Manufacturing”.

  - Page 7, Article 2.10.C., delete in its entirety.

- Page 8, Article 2.11.B., revise to read as follows:

  "Fire Blanket and Cabinet: **Model SE3006** by Flinn Scientific or approved equal; fiberglass/woolen blanket, 62 inches x 80 inches and steel cabinet with a red baked enamel finish, 16 inches H x 18 inches W x 5¼ inches D." *(Per RFI #18)*

- SECTION 230923, DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC:
  - Page 4:
    - Article 1.5.D., revise to read as follows:

      "In Building #5, there is an existing (part of an active project) Honeywell JACE 9000 that will be reused. The BMS contractor is responsible for increasing the license for additional controllers that are required to support the mechanical control scope of this project. BMS contractor shall also provide and install Uninterruptable Power Supply (UPS) for protection of JACE."

    - Article 1.5.E., revise to read as follows:

      "In Building #6, there is an existing (part of an active project) Honeywell JACE 9000 that will be reused. The BMS contractor is responsible for increasing the license for additional controllers that are required to support the mechanical control scope of this project. BMS contractor shall also provide and install Uninterruptable Power Supply (UPS) for protection of JACE."

  - Page 6, Article 1.5, add the following:

    "In Building #7, there is an existing (part of an active project) Honeywell JACE 9000 that will be reused. The BMS contractor is responsible for increasing the license for additional controllers that are required to support the mechanical control scope of this project. BMS contractor shall also provide and install Uninterruptable Power Supply (UPS) for protection of JACE."

  - Page 8:
    - Article 1.7.A., revise to read as follows:

      "All bidders must be building automation contractors in the business of installing direct digital control building automation systems for a minimum of ten (10) years. BMS Contractor shall be certified to install Honeywell WEBs/Optimizer Controllers. BMS Contractor shall have (Qty five (5) or more) Honeywell Controls Certified programmers."

    - Article 1.7.A.4.a., revise to read as follows:

      "BMS contractor must be a Honeywell WEBs certified organization."

    - Article 1.7.A.4.d., revise "ten (10)" to read "five (5)".
    - Article 1.7.B., 2nd sentence, revise to read as follows:

      "BMS Contractor shall have (Qty five (5) or more) Honeywell Controls Certified programmers."

    - Article 1.7.C., delete in its entirety.

- Article 2.1.A., delete in its entirety.
- Article 2.1.B., delete “ACI Elite” in its entirety.
- Article 2.1.B.1., revise to read as follows:

  “Controls contractors and integrators performing the work of this project shall meet the requirements of this specification, subject to further review during the bid vetting process.”

- Articles 2.1.B.1.a, and .b., delete in their entirety. *(Per Owner Request)*

- SECTION 232113, HYDRONIC PIPING, Page 6, Article 3.1.E., revise to read as follows:

  “Condensate-Drain Piping: Refer to Plumbing Drawings.” *(Per RFI #32)*

- SECTION 233113, METAL DUCTS, Page 13:

  - Article 3.11.G.1., .2., and .3., revise “Fibrous glass, Type 1, 2 inches thick” to read “Refer to Duct Insulation Schedule on Drawings”.
  - Article 3.11.G.4. and .5., revise “Fibrous glass, Type 1, 3 inches thick” to read “Refer to Duct Insulation Schedule on Drawings”. *(Per RFI #20-1)*

- SECTION 237313, MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNIT, Page 10, 2.4.A., add the following:

  “5. A hot gas reheat option shall be factory-installed to provide demand dehumidification control independent from a call for cooling. This option shall consist of a hot-gas reheat coil located on the leaving airside of the evaporator coil pre-piped and circuited.” *(Per Internal Review)*

- SECTION 237416, PACKAGED, SMALL-CAPACITY, ROOFTOP AIR-CONDITIONING UNITS, Page 15, Part 2, add the following:

  “2.22 MODULATING HOT GAS REHEAT COIL

  A. The option shall consist of a piped and circuited hot-gas reheat coil located on the leaving side of the evaporator coil.

  B. The option shall be equipped with a crankcase heater(s), high- and low-pressure switches, Frostat, and a thermostatic expansion valves (TXV) as standard.

  C. The unit contol shall determine the inside and outside dew points based on air temperature and relative humidity, and shall initiate dehumidification if the dew point is above the minimum setting. If the space temperature falls 3 degrees below the cooling set point, dehumidification shall terminate. HGRH shall be available in both vertical and horizontal airflow applications.” *(Per Internal Review)*

- SECTION 238129, VARIABLE-REFRIGERANT-FLOW HVAC SYSTEMS, Page 29, Article 2.20, add the following:

  “D. VRF Contractor shall provide clear space sensor protective locking cover for temperature sensors.” *(Per Owner Request)*

Changes to the Drawings:

- Civil & Landscape:
  - The following SITE/CIVIL drawings have been deleted in their entirety. New drawings (4) have been added and are attached as part of this bulletin*:
    - C202 MATERIALS & LAYOUT PLAN *(Per RFI #12-0)*
    - C401 PLANTING PLAN *(Per RFI #1-0)*
    - C402 PLANTING PLAN *(Per RFI #1-0)*
    - C404 PLANTING DETAILS *(Per RFI #1-0)*

- Building 1:
  - The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (11) have been added and are attached as part of this bulletin*:
    - A110-1 BUILDING 1 – BASEMENT LEVEL & CRAWL SPACE FLOOR PLANS *(Per Internal Review)*
    - A130-1 BUILDING 1 – SECOND LEVEL FLOOR PLAN *(Per Internal Review)*
    - A260-1 BUILDING 1 – BASEMENT LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFIs #11-1 & #17-1)*
    - A261-1 BUILDING 1 – MAIN LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFI #11-1)*
    - A262-1 BUILDING 1 – SECOND LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFI #11-1)*
    - A263-1 BUILDING 1 – THIRD LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFI #11-1)*
    - A550-1 BUILDING 1 – SECTION DETAILS *(Per RFI #13-1)*
    - A733-1 BUILDING 1 – INTERIOR ELEVATIONS *(Per Internal Review & RFIs #4-1 & #18)*
    - A736-1 BUILDING 1 – INTERIOR ELEVATIONS *(Per Internal Review & RFI #18)*
    - A910-1 BUILDING 1 – DOOR SCHEDULE *(Per Internal Review & RFIs #15-1 & #16-1)*
    - A940-1 BUILDING 1 – FINISH SCHEDULE *(Per RFIs #8-1 & #9-1)*
  - The following MECHANICAL drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:
    - M001-1 BUILDING 1 – SYMBOLS, NOTES & ABBREVIATIONS – MECHANICAL *(Per RFI #19-1)*
    - M400-1 BUILDING 1 – SCHEDULES - MECHANICAL *(Per RFI #6-1)*
  - The following TECHNOLOGY drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:
    - T001-1 TECH-AV-SEC BUILDING 1 – KEY LEGEND & GENERAL NOTES *(Per Owner Request)*
    - T400-1 TECH-SEC BUILDING 1 – WIRING DIAGRAMS *(Per Owner Request)*

- Building 2:

- The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (12) have been added and are attached as part of this bulletin*:

  - A110-2 BUILDING 2 – LOWER LEVEL FLOOR PLAN PART 'A' *(Per Internal Review & RFI #8-2)*
  - A120-2 BUILDING 2 – MAIN LEVEL FLOOR PLAN PART 'A' *(Per RFI #8-2)*
  - A121-2 BUILDING 2 – MAIN LEVEL FLOOR PLAN PART 'B' *(Per Internal Review)*
  - A130-2 BUILDING 2 – MEZZANINE LEVEL FLOOR PLAN PART 'A' *(Per RFI #8-2)*
  - A260-2 BUILDING 2 – LOWER LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFI #9-2)*
  - A261-2 BUILDING 2 – MAIN LEVEL FLOOR PATTERN & FINISH PLAN PART 'A' *(Per RFI #9-2)*
  - A262-2 BUILDING 2 – MAIN LEVEL FLOOR PATTERN & FINISH PLAN PART 'B' *(Per RFI #9-2)*
  - A263-2 BUILDING 2 – MEZZANINE LEVEL FLOOR PATTERN & FINISH PLAN *(Per RFI #9-2)*
  - A700-2 BUILDING 2 – ENLARGED PLANS *(Per RFI #6-2)*
  - A710-2 BUILDING 2 – INTERIOR TOILET ELEVATIONS *(Per RFI #6-2)*
  - A711-2 BUILDING 2 – INTERIOR TOILET ELEVATIONS *(Per RFI #6-2)*
  - A910-2 BUILDING 2 – DOOR SCHEDULE & DETAILS *(Per Internal Review & RFI #11-2)*

- DRAWING M212-2, BUILDING 2 – MAIN LEVEL FLOOR PLAN – PIPING PART 'B', delete in its entirety. A new DRAWING M212-2 has been added and is attached as part of this bulletin.* *(Per RFIs #2-2 & #3-2)*
- The following TECHNOLOGY drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:

  - T001-2 TECH-AV-SEC BUILDING #2 – KEY LEGEND & GENERAL NOTES *(Per Owner Request)*
  - T400-2 TECH-SEC BUILDING #2 – WIRING DIAGRAMS *(Per Owner Request)*

- Building 4:

  - The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (5) have been added and are attached as part of this bulletin*:

    - A120-4 BUILDING 4 – SECOND FLOOR PLAN *(Per Internal Review & RFI #53)*
    - A260-4 BUILDING 4 – PATTERN & FINISH PLANS *(Per RFI #5-4)*
    - A731-4 BUILDING 4 – INTERIOR ELEVATIONS *(Per RFI #3-4)*
    - A733-4 BUILDING 4 – ALTERNATE – INTERIOR ELEVATIONS *(Per RFI #6-4)*
    - A900-4 BUILDING 4 – DOOR SCHEDULE, DETAILS, WALL TYPES & FINISH SCHED. *(Per Internal Review)*

  - The following TECHNOLOGY drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:

    - T001-4 TECH-AV-SEC BUILDING #4 – KEY PLAN & GENERAL NOTES *(Per Owner Request)*
    - T400-4 TECH-SEC BUILDING #4 – WIRING DIAGRAMS *(Per Owner Request)*

- Building 5:

- The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (7) have been added and are attached as part of this bulletin*:

  - A110-5 BUILDING 5 – MAIN LEVEL FLOOR PLAN *(Per Internal Review & RFI #18)*
  - A220-5 BUILDING 5 – MAIN LEVEL CEILING PLAN *(Per RFI #1-5)*
  - A260-5 BUILDING 5 – LOWER SCHOOL FLOOR PATTERN & FINISH PLAN *(Per RFI #6-5)*
  - A261-5 BUILDING 5 – LOWER SCHOOL ENLARGED FLOOR PATTERN PLAN *(Per Internal Review & RFI #6-5)*
  - A710-5 BUILDING 5 – INTERIOR ELEVATIONS *(Per RFI #18)*
  - A711-5 BUILDING 5 – INTERIOR ELEVATIONS *(Per Internal Review & RFI #18)*
  - A930-5 BUILDING 5 – DOOR SCHED. & DETAILS, WINDOW ELEVATIONS & DETAILS *(Per Internal Review)*
  - A931-5 BUILDING 5 – WINDOW ELEVATIONS & DETAILS *(Per Internal Review)*

- The following TECHNOLOGY drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:

  - T001-5 TECH-AV-SEC BUILDING #4 – KEY LEGEND & GENERAL NOTES *(Per Owner Request)*
  - T400-5 TECH-SEC BUILDING #5 – WIRING DIAGRAMS *(Per Owner Request)*

- Building 6:

  - DRAWING G001-6, BUILDING 6 – GENERAL INFORMATION & DRAWING LIST, delete in its entirety. A new DRAWING G001-6 has been added and is attached as part of this bulletin.* *(Per RFI #4-6)*
  - The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (13) have been added and are attached as part of this bulletin*:

    - A111-6 BUILDING 6 – MAIN LEVEL PLAN – PART 'A' *(Per RFI #1-6)*
    - A112-6 BUILDING 6 – BASEMENT & MAIN LEVEL FLOOR PLAN – PART 'B' *(Per Internal Review)*
    - A113-6 BUILDING 6 – SECOND FLOOR PLAN *(Per Internal Review)*
    - A260-6 BUILDING 6 – FLOOR PATTERN & FINISH PLAN – PART 'A' *(Per RFI #8-6)*
    - A261-6 BUILDING 6 – FLOOR PATTERN & FINISH PLANS – PART 'B' *(Per RFI #8-6)*
    - A732-6 BUILDING 6 – INTERIOR ELEVATIONS *(Per Internal Review & RFIs #1-6, #18 & #79)*
    - A733-6 BUILDING 6 – INTERIOR ELVATIONS *(Per RFIs #18-6 & #19-6)*
    - A734-6 BUILDING 6 – INTERIOR ELEVATIONS *(Per Internal Review & RFI #18)*
    - A800-6 BUILDING 6 – CASEWORK DETAILS *(Per RFI #1-6 & #18)*
    - A801-6 BUILDING 6 – CASEWORK DETAILS *(Per RFI #1-6)*
    - A900-6 BUILDING 6 – PARTITION TYPES & SPECIAL DETAILS *(Per Internal Review)*
    - A910-6 BUILDING 6 – DOOR SCHEDULE *(Per Internal Review)*
    - A960-6 BUILDING 6 – FINISH SCHEDULE *(Per RFIs #6-6 & #7-6)*

  - DRAWING P210-6, BUILDING 6 – FIRST FLOOR PLAN SCIENCE CLASSROOMS, delete in its entirety. A new DRAWING P210-6 has been added and is attached as part of this bulletin.* *(Per RFIs #1-6, #18 & #19)*

- The following TECHNOLOGY drawings have been deleted in their entirety. New drawings (4) have been added and are attached as part of this bulletin*:

  - T001-6 TECH-AV-SEC BUILDING 6 – KEY LEGEND & GENERAL NOTES *(Per Owner Request)*
  - T111-6 TECH-AV-SEC BUILDING 6 – MAIN LEVEL FLOOR PLAN – PART 'A' *(Per Owner Request)*
  - T112-6 TECH-AV-SEC BUILDING 6 – MAIN & UPPER LEVEL FLOOR PLAN – PART 'B' *(Per Owner Request)*
  - T400-6 TECH-SEC BUILDING 6 – WIRING DIAGRAMS *(Per Owner Request)*

- Building 7:

  - The following ARCHITECTURAL drawings have been deleted in their entirety. New drawings (2) have been added and are attached as part of this bulletin*:

    - A731-7 BUILDING 7 – INTERIOR ELEVATIONS *(Per RFI #6-7)*
    - A910-7 BUILDING 7 – SCHEDULES & DETAILS *(Per Internal Review)*

  - DRAWING T001-7, TECH-AV-SEC – BUILDING #7 – KEY LEGEND & GENERAL NOTES, delete in its entirety. A new DRAWING T001-7 has been added and is attached as part of this bulletin.* *(Per Owner Request)*

The bulletin consists of fifty (50) pages of 8½" x 11" text and seventy-two (72) 30" x 42" drawings*.
End of Bulletin #2

SECTION 238416.16 - INDOOR, MECHANICAL DEHUMIDIFICATION UNITS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes packaged, factory-assembled and -tested, refrigerant-type, indoor, mechanical dehumidification units designed for indoor installation.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of indoor, mechanical dehumidification unit.

1. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

B. Shop Drawings: For each indoor, mechanical dehumidification unit.

1. Include plans, elevations, sections and mounting details.
2. Include details of equipment assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Detail fabrication and assembly of dehumidification units.
4. Vibration Isolation Base Details: Detail fabrication including anchorages and attachments to structure and to supported equipment. Include adjustable motor bases, rails, and frames for equipment mounting.
5. Include diagrams for power, signal, and control wiring.

C. Delegated-Design Submittal: For indoor, mechanical dehumidification units.

1. Vibration Isolation Base Details: Detail fabrication including anchorages and attachments to structure and to supported equipment. Include adjustable motor bases, rails, and frames for equipment mounting.
2. Include design calculations for selecting vibration isolators and seismic restraints and for designing vibration isolation bases.

1.4 INFORMATIONAL SUBMITTALS

A. Seismic Qualification Data: Certificates for indoor, mechanical dehumidification units, accessories, and components, from manufacturer.

1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.
2. Dimensioned Outline Drawings of Equipment Unit: Identify center of gravity and locate and describe mounting and anchorage provisions.
3. Detailed description of equipment anchorage devices on which the certification is based and their installation requirements.

B. Product Test Reports: For each indoor, mechanical dehumidification unit, for tests performed by a qualified testing agency.

C. Field quality-control reports.

D. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For dehumidification units to include in emergency, operation, and maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Filters: One (1) set of each type of filter specified.
2. Fan Belts: One (1) set for each belt-drive fan.

1.7 QUALITY ASSURANCE

A. Testing Agency Qualifications: An NRTL.

1.8 COORDINATION

A. Coordinate sizes and locations of concrete bases. Cast anchor-bolt inserts into bases.

B. Coordinate installation of roof curbs, equipment supports, and roof penetrations.

1.9 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of indoor, mechanical dehumidification units that fail in materials or workmanship within specified warranty period.

1. Warranty Period for Compressors: Manufacturer's standard, but not less than five (5) years from date of Substantial Completion.
2. Warranty Period for Refrigerant Coils: Manufacturer's standard, but not less than five (5) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 INDOOR, MECHANICAL DEHUMIDIFICATION UNIT MANUFACTURERS

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one (1) of the following:

1. Quest Industries
2. Santa Fe
3. Ultra-Aire

2.2 PERFORMANCE REQUIREMENTS

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

B. Seismic Performance: Dehumidification units shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.

1. The term "withstand" means "the unit will remain in place without separation of any parts when subjected to the seismic forces specified and the unit will be fully operational after the seismic event."
2. Component Importance Factor: 1.5.

C. ASHRAE/IES 90.1 Compliance: Applicable requirements in ASHRAE/IES 90.1.

D. ASHRAE 62.1 Compliance: Section 5, "Systems and Equipment" and Section 7, "Construction and System Start-up."

E. ASHRAE 15 Compliance: "Safety Standard for Refrigeration Systems."

F. Capacities and Characteristics:

1. Refer to Schedules on Drawings.

2.3 CASINGS

A. Casing: Single-wall construction, exterior powder-coated steel, stainless-steel fasteners, knockouts for electrical and piping connections, condensate drain connection, and lifting lugs.

1. Access: Removable panels with neoprene compression gaskets and cam latches.
2. Insulation: Minimum 1-inch-thick, glass-fiber-insulation fill or closed cell foam, with thermal breaks.
3. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1.

B. Drain Pan Connection: Glass-reinforced plastic threaded fitting with hose-barb fitting included.

2.4 FANS

A. Fans:

1. Blades: Backward inclined.
2. Type: Unhoused plenum type, centrifugal.
3. Blade and Housing Material: Galvanized steel.
4. Drive: External rotor motor.

B. Fan Motor: Comply with NEMA designation, temperature rating, service factor, and efficiency requirements for motors specified in Section 230513 "Common Motor Requirements for HVAC Equipment."

1. Enclosure Type: Totally enclosed, fan cooled.

2.5 FILTERS

A. Pleated:

1. Thickness: Manufacturer's standard depth.
2. MERV Rating: MERV 13, according to ASHRAE 52.2.

2.6 REFRIGERATION SYSTEM

A. Energy Efficiency: Equal to or greater than prescribed by ASHRAE/IES 90.1.

B. Refrigerant Coils with Multiple Refrigerant Circuits:

1. Tubes: Copper.
2. Fins:

    a. Material: Aluminum.
    b. Fin Spacing: Maximum 14 fins per inch.

3. Fin and Tube Joints: Mechanical bond.
4. Headers: Seamless-copper headers with brazed connections.
5. Frames: Aluminum frame.
6. Coatings: Corrosion-resistant E-coating.
7. Ratings: Designed, tested, and rated according to ASHRAE 33 and AHRI 410.
8. Source Quality Control: Factory test to minimum 450-psig internal pressure and to minimum 300-psig internal pressure while underwater.

C. Compressors: Hermetic, scroll compressors with integral vibration isolators and crankcase heaters that de-energize during compressor operation; with thermal-expansion valves, filter-dryers, sight glasses, compressor service valves, and liquid- and suction-line service valves.

1. Minimum Number of Refrigerant Circuits: Two (2) for compressor capacities of more than 7½ tons.
2. Refrigerant: R-454B.
3. Capacity Control:

    a. Hot-gas bypass valve and piping on one (1) compressor.
    b. Cycle compressor.

4. Low-Pressure Cutout: Manual reset after (3) three automatic-reset failures.
5. High-Pressure Cutout: Manual reset.
6. Compressor Motor Overload Protection: Manual reset.
7. Anti-recycling Timing Device: Prevent compressor restart for 5 minutes after shutdown.
8. Defrost Cycle: The unit includes a defrost thermostat. This feature prevents internal damage caused by excessive frost forming in the unit. When experiencing defrost the system will stop dehumidifying and the fan will run until normal operating conditions are present.

2.7 CONTROLS

A. Control Panel: Integral service compartment containing fan-motor thermal and overload cutouts, compressor thermal and overload cutouts, 115-V control transformer if required, magnetic contactors for fan and compressor motors, and a non-fused factory-mounted and -wired disconnect switch for single external electrical power connection.

B. Operating Control: Space humidistat cycles the compressor. Humidistat shall incorporate fan on-off-auto switch.

C. Operating Control: The humidity control is an adjustable switch that turns the dehumidifier on and off. It turns on when the relative humidity (RH) rises to the dial set point. It turns off when the RH is within plus or minus five percent (±5%) of the set point.

1. Approximate Humidity Levels Per Setting:

a. “Drier”: Thirty-five to forty-five percent (35-45%) relative humidity.
b. “Normal”: Forty-five to fifty-five percent (45-55%) relative humidity.
c. “Humid”: Fifty-five to sixty-five percent (55-65%) relative humidity.

2.8 ACCESSORIES

A. Hanging Kits:

1. Bracket mounted on bottom of the unit allows the unit to be suspended using ratchet straps.
2. Hanging the unit with the hanging kit prevents propagation of vibration.

B. MERV-13/14 replacement filters.

2.9 MATERIALS

A. Steel:

1. ASTM A 36 for carbon structural steel.
2. ASTM A 568 for steel sheet.

B. Stainless-Steel:

1. Manufacturer's standard grade for casing.
2. Manufacturer's standard type, ASTM A 240for bare steel exposed to airstream or moisture.

C. Galvanized Steel: ASTM A 653.

D. Aluminum: ASTM B 209.

E. Corrosion-Resistant Coating: Coat with a corrosion-resistant coating with the following data:

1. Standards:

a. ASTM D 2794 for minimum direct impact resistance of 100 in./lb.
b. ASTM D 2794 for minimum reverse impact resistance 60 in./lb.
c. ASTM B 3359 for cross hatch adhesion of 4-5B.
d. ASTM D 870 for 250 hours minimum water immersion.

2. Thickness: 0.6 mil.
3. Gloss: 50-70 based on ASTM D 523 test method.

2.10 SOURCE QUALITY CONTROL

A. Verification of Performance: Factory test and rate dehumidification units according to AHRI 910.

B. Sound-Power-Level Ratings: Factory test and rate dehumidification units according to AHRI 575.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Examine roughing-in for hot-water piping systems to verify actual locations of piping connections before equipment installation.

C. Examine walls, floors, and roofs for suitable conditions where dehumidification units will be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Equipment Mounting:

1. Install dehumidification units on cast-in-place concrete equipment base(s). Comply with requirements for equipment bases and foundations specified in Section 033000 "Cast-In-Place Concrete."
2. Comply with requirements for vibration isolation and seismic control devices specified in Section 230548 "Vibration and Seismic Controls for HVAC."

3.3 PIPING CONNECTIONS

A. Where piping is installed adjacent to dehumidification units, allow space for service and maintenance of dehumidification units.

B. Connect piping to dehumidification units mounted on vibration isolators with flexible connectors.

C. Connect condensate drain pans using minimum NPS 1-1/4 copper tubing. Extend to nearest equipment or floor drain. Construct deep trap at connection to drain pan and install cleanout at changes in direction.

D. Refrigerant Piping: Comply with requirements in Section 232300 "Refrigerant Piping." Connect to supply and return coil tappings with shutoff valve and union or flange at each connection.

3.4 ELECTRICAL CONNECTIONS

A. Connect wiring according to Section 260519 "Low-Voltage Electrical Power Conductors and Cables."

B. Ground equipment according to Section 260526 "Grounding and Bonding for Electrical Systems."

C. Install nameplate for each electrical connection, indicating electrical equipment designation and circuit number feeding connection.

1. Nameplate shall be laminated acrylic or melamine plastic signs with a black background and engraved white letters at least ½-inch-high.
2. Locate nameplate where easily visible.

3.5 CONTROL CONNECTIONS

A. Install control and electrical power wiring to field-mounted control devices.

B. Connect control wiring between control devices.

C. Connect control wiring according to Section 260523 "Control-Voltage Electrical Power Cables."

D. Connect smoke detector to fire alarm system.

3.6 FIELD QUALITY CONTROL

A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:

1. Charge refrigerant coils with refrigerant and test for leaks. Repair leaks and retest until no leaks exist.
2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

B. Dehumidification unit will be considered defective if it does not pass tests and inspections.

C. Prepare test and inspection reports.

3.7 CLEANING

A. Clean dehumidification units internally, on completion of installation, according to manufacturer's written instructions. Clean fan interiors to remove foreign material and construction dirt and dust. Vacuum clean fan wheels, cabinets, and coils' entering-air face.

B. After completing system installation, testing, and startup service of dehumidification units, clean filter housings and install new filters.

3.8 ADJUSTING

A. Adjust damper linkages for proper damper operation.

B. Adjust initial temperature and humidity set points.

3.9 STARTUP SERVICE

A. Manufacturer's Field Service: Engage a factory-authorized service representative to perform startup service.

1. Complete installation and startup checks according to manufacturer's written instructions.

B. Perform the following final checks before startup:

1. Verify that shipping, blocking, and bracing are removed.
2. Verify that unit is secure on mountings and supporting devices and that connections to piping, ducts, and electrical systems are complete. Verify that proper thermal-overload protection is installed in motors, starters, and disconnect switches.
3. Perform cleaning and adjusting specified in this Section.

4. Disconnect fan drive from motor, verify proper motor rotation direction, and verify free fan wheel rotation and smooth bearing operations. Reconnect fan drive system, align belts, and install belt guards.
5. Check lubrication of bearings, pulleys, belts, and other moving parts.
6. Set outside- and return-air mixing dampers to minimum outside-air setting.
7. Install clean filters.
8. Verify that manual and automatic volume control and fire and smoke dampers in connected duct systems are in fully open position.

C. Starting procedures for dehumidification units include the following:

1. Energize motor; verify proper operation of motor, drive system, and fan wheel. Adjust fan to indicated rpm. Replace malfunctioning motors, bearings, and fan wheels.
2. Measure and record motor's electrical values for voltage and amperage.
3. Manually operate dampers from fully closed to fully open position and record fan performance.

D. Comply with requirements in Section 230593 "Testing, Adjusting, and Balancing for HVAC" for testing, adjusting, and balancing of dehumidification unit.

E. Startup Report: Report findings during startup. Identify startup steps, corrective measures taken, and final results.

3.10 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain dehumidification units.

B. Provide video recordings of how the HVAC system equipment physically operates, etc.

END OF SECTION 238416.16

SECTION 282300 - VIDEO SURVEILLANCE SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. System Requirements

B. Uninterruptible Power Supplies

C. Surge Protection

D. Client Workstations

E. Cameras

F. Video Surveillance Software

1.2 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Division 07 - Penetration Firestopping.

C. Division 08 - Door Hardware: Electrically operated door hardware, for interface with access control system. Includes door hardware with integral request to exit devices.

D. Division 26 - Conduit for Electrical Systems.

E. Division 26 - Identification for Electrical Systems: Identification products and requirements.

F. Division 27 - Structured Cabling: Data cables for access control system IP network connections.

G. Division 28 - Building Intrusion Detection: For interface with access control system.

H. Division 28 - Fire Detection and Alarm: For interface with access control system.

I. Refer to the following construction documents for Data Room locations and device locations only.

1. “T” Drawings – Technology Plans

J. Any apparatus, appliance, material, or work not shown on the Drawings but mentioned in the Specifications, or vice versa, and any incidental accessories necessary to make the work complete and perfect in all respects and ready for operation, even if not particularly specified, shall be provided without additional expense. Coordinate with each system manufacturer to insure all hardware, firmware, relays, or other necessary components are provided prior to bid submission.

K. All work of this Section to comply with the requirements of the Conditions of Contract, with all Specification Sections of Division 01 – General Requirements, with the Security Drawings, and with all other Contract Documents.

L. Refer to Division 26 of the Contract Documents, Electrical, for all Specifications governing the installation of raceway (conduit, EMT, cable trays, wire trough, etc.), system junction and pull boxes, and device rough-in boxes, for all Security System work shown on the Security Drawings. Conduit, back box, and trough work to be provided by this Contractor.

M. Refer to Division 26 of the Contract Documents, Electrical, for all work related to the interconnection of Security System equipment to 120 VAC power sources.

N. Refer to Division 09 of the Contract Documents, Finishes, for details relating to acoustical ceilings and gypsum board systems, floor finishes, painting, etc., for information pertinent to device and back box selection and installation.

O. Refer to Division 08 of the Contract Documents, Openings, for details relating to doors, door frames, windows, and window frames, for information pertinent to the selection of magnetic contact devices and their associated placement and installation, including back box selection and installation.

P. Refer to Division 08 of the Contract Documents, Openings, for details relating to door and door frame hardware and preparation, electrified lock power supplies, required coordination to accommodate these components and/or systems, lock voltage and current draw coordination, coordination of fail-safe electrified locks, and any other related equipment or requirements

Q. Refer to Division 27, Telecommunications for all Ethernet Cabling for the Cameras.

R. Review all other Specification Sections as required to achieve complete inter- trade coordination.

1.3 DEFINITIONS

A. API: Application Programming Interface

B. AVI: Audio Video Interleave

C. CA: Certificate Authority

D. CAC: Common Access Card

E. CE: European Union Conformity

F. CPU: Central Processing Unit

G. CSV: Comma Separated Values

H. DNS: Domain Name Server

I. DSM: Door Status Monitor

J. DVR: Digital Video Recorder

K. EACS: Electronic Access Control System

L. FCC: Federal Communications Commission

M. FIPS: Federal Information Processing Standard

N. FIFO: First In – First Out

O. FTP: File Transfer Protocol

P. FRAC: First Responder Authentication Credential

Q. GB: Gigabyte

R. GSOC: Global Security Operations Center

S. GUI: Graphical User Interface

T. HA: High Availability

U. HTML: Hypertext Markup Language

V. H.264, H.265: Video Compression Standards

W. I^2C: Inter-Integrated Circuit

X. IEEE: Institute of Electrical and Electronics Engineers

Y. I/O: Input / Output

Z. IP: Internet Protocol

AA. IS: Integrated System

BB. JPEG: Joint Photographic Experts Group

CC. LAN: Local Area Network

DD. LDAP: Lightweight Directory Access Protocol

EE. MB: Megabyte

FF. MJPEG: Motion JPEG

GG. MSATA: Mini-Serial Advanced Technology Attachment

HH. MSP: Mobile Security Professional

II. MTBF: Mean-Time Between Failure

JJ. NAS: Network Attached Storage

KK. NAT: Network Address Translation

LL. NBAPI: NetBox Application Programming Interface

MM. NECA: National Electric Code Association

NN. NFPA: National Fire Protection Association

OO. NVR: Network Video Recorder

PP. ODBC: Open Database Connectivity

QQ. OS: Operating System

RR. OVID: Open Video Integration Driver

SS. PDF: Portable Document Format

TT. PIN: Personal Identification Number

UU. PIV: Personal Identity Verification

VV. PoE: Power over Ethernet

WW. PTZ: Pan-Tilt-Zoom

XX. RAID: Redundant Array of Independent Disks

YY. RAM: Random Access Memory

ZZ. REX: Request to Exit

AAA. RFID: Radio Frequency Identification

BBB. RoHS: Restriction of Hazardous Substances

CCC. ROM: Read Only Memory

DDD. RU: Rack Unit

EEE. SFTP: Secure File Transfer Protocol

FFF. SHA: Secure Hash Algorithm

GGG. SIO: Serial Input / Output

HHH. SLA: Sealed Lead-Acid

III. SMS: Security Management System or Short Message Service (text messaging)

JJJ. SSL: Secure Sockets Layer

KKK. SUSP: Software Upgrade and Support Plan

LLL. TCP: Transmission control protocol - connects hosts on the Internet

MMM. TIA: Telecommunications Industry Association

NNN. TLS: Transport Layer Security

OOO. TWIC: Transportation Worker Identification Credential

PPP. UI: User Interface

QQQ. UPS: Uninterruptible Power Supply

RRR. UTP: Unshielded Twisted Pair

SSS. VMS: Video Management System

TTT. WAN: Wide Area Network

UUU. Wi-Fi: Wireless Network

VVV. AS NECESSARY: Shall mean work which is required for completed construction, but is not necessarily shown or described in the Contract Documents.

WWW. AS REQUIRED: Shall mean work which is required for completed construction, but is not necessarily shown or described in the Contract Documents.

XXX. Substantial Completion: Shall mean that the project is sufficiently complete to be utilized for its intended use as stated in the body of this written specification.

YYY. Contractor/INTEGRATOR: Refers to the biding/installation Contractor responsible for furnishing and installation of all work indicated within this specification.

1.4 REFERENCE STANDARDS

A. 47 CFR 15 - Radio Frequency Devices; current edition.

B. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2015.

C. NECA 303 - Standard for Installing Closed- Circuit Television (CCTV) Systems; 2005.

D. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

E. System shall be RoHS (Restriction of Hazardous Substances) compliant and meet proposed amendments to the reduction of toxic substances in manufacturing in stated in the Environmental Design of Electrical Equipment Act (EDEE).

F. Installation shall comply with NECA 1-2010 “Standard Practice of Good Workmanship in Electrical Construction”

G. Installation shall comply with NEC/NFPA 70E “Standard for Electrical Safety in the Workplace”

H. Electronic data exchange between Video Surveillance System and the Access Control System shall comply with SIA TVAC

I. Installation shall comply with FCC CFR 47 Part 15 Class A “Telecommunications, Radio, Frequency, Digital Device Emission:

J. Installation shall comply with Federal, State, and Local Codes and Authority Having Jurisdiction (AHJ).

K. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.5 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. Coordinate the placement of cameras with structural members, ductwork, piping, equipment, luminaires, diffusers, fire suppression system components, and other potential conflicts installed under other sections or by others.
2. Coordinate the work with other installers to provide power for cameras and equipment at required locations.
3. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

B. Preinstallation Meetings:

1. Conduct meeting with facility representative to review camera and equipment locations and camera field of view objectives.
2. Conduct meeting with facility representative and other related equipment manufacturers to discuss video surveillance system interface requirements.

C. Confidentiality of Documents

1. The project documents, consisting of all technical proposals, drawings, specifications, shop drawings, as-built drawings, manufacturer's literature, etc., shall be considered proprietary information and are to be treated with complete confidentiality. Dissemination of any security system documentation to any party not considered "need-to-know" without a pre-defined and approved agreement will be considered a violation of the contract documents and all pursuant clauses regarding financial penalties, project termination, and/or legal prosecution will apply. The Contractor is to obtain a list of "need-to-know" parties from the Owner and/or Construction Manager.
2. Use of the Contract drawings and specifications is restricted to the original site for which they were prepared. Publication therefore is expressly limited to such use. Re-use, reproduction, storage by any medium or publication by any method in whole or in part is prohibited. Visual contact with the Contract drawings and specifications constitutes prima facie evidence of the acceptance of these restrictions. Unlawful publication, dissemination, and use of these documents carry significant liability and the Owner maintains the right to legally pursue restitution and/or penalty for violation of these confidentiality conditions.
3. All documents marked "DO NOT DUPLICATE" are to be returned to the Construction Manager for proper disposal and handling upon completion of their relevant use.

1.6 SUBMITTALS

A. See Division 01 – Administrative Requirements for submittal procedures.

B. Evidence of Qualifications for Installer:

1. The Contractor shall be a bona fide security systems contractor, licensed by the State of Connecticut for the installation of the low voltage security and signal communication systems, and engaged in security system maintenance, service and contracting for at least the last five years.
2. The Contractor shall employ technicians who have been trained by the Manufacturer specified within this section to install the systems of this Manufacturer.
3. The contractor shall be a factory authorized stocking distributor of the manufacturer of the equipment included in the system so that immediate replacement parts can be made from inventory and service provided as needed on an emergency basis.

4. The Contractor shall submit with the bid a manufacturer's certificate of acceptance of the qualifications of the Installing Contractor to install, test, maintain and repair the manufacturer's equipment.
5. In order for the Security Consultant to verify that they meet the competency requirements of this specification, Contractors must submit the following information if so requested:

    a. Proof that the Contractor has installed, services and maintained similar security systems for a minimum of ten (10) years.
    b. Proof that the Contractor is a firm which currently and regularly installs, services and maintains security systems as a full time business.
    c. The names and qualifications of security system technicians that shall perform and supervise the work, and perform tests or adjustments on the systems and equipment. Qualifications shall include all schooling, training, and history of work experience.
    d. A list of four prior systems comparable to the one specified under this contract which were installed, serviced, and maintained satisfactorily by the Contractor for a minimum of one (1) year. Each system listed shall include the firm or owner, location, person to contact (with telephone number), date of installation and service period, and a brief description of the system and work performed on the system.

6. The Contractor shall submit any other information required by the Security Consultant to determine the competency of the Contractor. If this information is not submitted as requested, it shall be submitted within the time specified by the Architect after the bid opening. If the Contractor fails to submit the information in accordance with the Security Consultant's request, the Contractor shall be declared non-responsive, and may be rejected to perform the work specified within this section.

C. Design Data: Standby battery/UPS Calculations

D. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instruction for storage, handling, protection, examination, preparation, installation, and operation of product.

E. Manufacturer's detailed field-testing procedures.

F. Maintenance contracts.

G. Product Data: Provide details and technical specifications for each product indicated. Include physical dimensions, features, performance, electrical characteristics, ratings, software versions, and operating system details.

H. Shop Drawings:

1. General: General: Bid documents, including drawings, details and specifications are considered conceptual in nature, and provide direction on products and project requirements. Contractor is given a choice of methods that may be incorporated into the system. These choices may affect the overall design, configuration and installation of the proposed system.
2. Contractor Responsibility: Prepare and submit shop drawings, rendered in the latest AutoCAD DWG file format, which show details of all work to ensure proper installation of the work using those materials and equipment specified or allowed under the approved plans and specifications. A complete Shop Drawing submittal drawing package shall consist of Drawings, Equipment Data Sheet Submittals, and an Acceptance Testing Plan.
3. Completeness: The Equipment Submittals, Acceptance Testing Plan, and the Shop Drawings should be submitted as a complete and contiguous package. Partial or unmarked submittals will not be accepted for review.

4. Scheduling: A schedule of shop drawing submissions shall be submitted for the Architect and Owner's Representative review on a form acceptable to the Architect within ten (10) days after award of the Contract. The schedule of shop drawing submissions shall include as a minimum, but not limited to the requirements stated herein.
5. Requirements: Provide the following information complete, and in the manner described herein:

    a. Hardware, Application Software, and Network Requirements: A system description including analysis and calculations used in sizing equipment required by the security systems. The description shall show how the equipment will operate as a system to meet the performance requirements of the systems. The following information shall be supplied as a minimum:

        1) Server(s) processor(s), disk space and memory size
        2) Workstation(s) processor(s), disk space and memory size
        3) Description of facility (field) control equipment (Controllers/Field Panels, Models) and their configuration
        4) Operating System(s) Software, where software is provided or upgraded
        5) Application Software, with Optional and Custom Software Modules supplied in this project
        6) Integration Schemes: Proposed connectivity, software, development requirements, and SDK information, for inter-system communication.
        7) Network bandwidth and reliability requirements
        8) Number and location of LAN ports required
        9) Other specific network requirements, preferences, and constraints
        10) Backup/archive system size and configuration
        11) Start-up operations
        12) System power requirements and Uninterruptible Power Supply (UPS) sizing
        13) Device/component environmental requirements (cooling and/or heating parameters)

    b. Shop Drawings: Shop Drawings shall be numbered consecutively and shall accurately and distinctly present the following information:

        1) Title Sheet
        2) Floor Plans: Showing devices, pull boxes, cabinets, conduits and conductors in their proposed locations with device numbering scheme.
        3) Riser Diagram: Showing all conduit relationships between devices shown on the Floor Plans. Show all power sources.
        4) Single-Line/Block Diagrams: Show signal relationships of controls and devices within the system.
        5) Custom Assembly Diagrams: For each custom assembly such as Access Control Terminal Cabinets, receptacle assemblies, or door control panels, provide an assembly drawing illustrating the appearance of the assembled device. Include dimensions, assembly components, and functional attributes (momentary or alternate action switch, lens color, panel finish)
        6) Component Connection Diagrams

            a) For each equipment component such as a computer, video switcher, camera or video recorder, show the rear elevation of the device and all connectors/terminations as a pictorial.
            b) Show the wire designations on connectors. Typical wiring detail where multiple of same device is provided.
            c) Show a schedule of the wire colors connected to the pins on each device connector.

c. Equipment Wiring Diagrams

1) Show a pictorial illustration of each equipment enclosure and/or terminal cabinet, including terminals, components and wiring devices.
2) Show the device nomenclature exactly as shown on the single line diagrams.
3) Terminations: Show every termination and terminating cable, with applicable cable and wire numbers matching the single line diagrams.

a) Every termination in the system must be documented.
b) Termination information may be rendered as a wiring list(s), if properly coordinated with, and referenced to, typical component and single-line diagrams. Otherwise, the Shop Drawings shall show a pictorial of every component in the system, with its terminations.

4) Show wire colors for each terminal.
5) For each wire exiting the enclosure, show the destination of the wire by floor, room number and the drawing number of the panel where the wire terminates.
6) Provide working dimensions and erection dimensions.
7) Arrangements and sectional views
8) Necessary details, including complete information for making connections between work under this Contract, existing work, and work under other Contracts.
9) Stock or standard drawings will not be accepted for review unless full identification and supplementary information is shown thereon in ink or typewritten form.
10) Duplicate of design drawings may be used where each sheet is modified to reflect contractor coordination, specific requirements of the project and multidiscipline conditions.
11) Each Drawing or page shall include:

a) Project name, Project Number and descriptions.
b) Submittal date and space for revision dates.
c) Identification of equipment, product or material.
d) Name of Contractor and Subcontractor.
e) Name of Supplier and Manufacturer.
f) Relation to adjacent structure of material.
g) Physical dimensions clearly identified.
h) ASTM and Specifications references.
i) Identification of deviations from the Contract Documents.
j) Contractor's stamp, initialed or signed, dated and certifying to review of submittal, certification of field measurements and compliance with Contract.
k) Location at which the equipment or materials are to be installed. Location shall mean both physical location and location relative to other connected or attached material.

d. Equipment Submittals

1) Provide a Title Page, with project name, Contractor’s name and address, contact information, date of submission, and submission revision number.
2) Provide a Parts List, for proposed equipment, materials, components and devices, listing the following information for each line item:

a) The system type
b) Model number
c) Specification sheet page reference

3) Provide Manufacturers Specification Sheet with descriptive information for equipment, materials, components and devices. Number each page, to correspond with the Parts List.
4) Clearly delineate (with highlighter, arrow, or underline) on each specification sheet, specific model numbers, options and configurations being proposed for this project.
5) Indicate kinds of materials and finishes for equipment where more than one option is presented.

e. Acceptance Testing Plan

1) Submit a written document detailing the test procedures to be followed in evaluating and proving the installed system(s).
2) Provide a sample of the test forms to be used for each system and for each component of each system.
3) Include all tests required by the equipment manufacturer and by this Specification

f. Spare Parts List: Submit a list of recommended spare parts for Owner's review & approval and/or amending. Spare parts shall comprise a minimum of 5% or minimum of 2 each of field devices, device termination boards and a minimum of 1 system controller boards.
g. Incomplete or unchecked submittals which do not contain complete data on the work and full information on related matters will be returned for correction.
h. Verification: The contractor shall check and acknowledge all shop drawings and shall place his signature on all shop drawings submitted for approval. Contractor's signature shall constitute a representation that all quantities, dimensions, field construction criteria, materials, catalog numbers, performance criteria and similar data have been verified and that, in his opinion, the submittal fully meets the requirements of the Contract Documents.
i. Timeliness: The Contractor shall schedule, prepare and submit a complete shop drawing assembly in accordance with a time-table that will allow his suppliers and manufacturers sufficient time to fabricate, manufacture, inspect test and deliver their respective products to the project site in a timely manner so as to not delay the complete performance of the work.
j. Departure from Contract Requirements: If shop drawings show departures from the Contract requirements, the Contractor shall make specific mention thereof in his letter of transmittal, otherwise review of such submittals shall not constitute review of the departure. Review of the drawings shall constitute review of the specific subject matter for which the drawings were submitted and not of any other structure, materials, equipment, or apparatus shown on the drawings.
k. Contractor Responsibility: The review of shop drawings will be general and shall not relieve the Contractor of responsibility for the accuracy of such drawings, nor for the proper fitting and construction of the work, nor for the furnishing of materials or work required by the Contract. No construction called for by shop drawings shall be initiated until such drawings have been reviewed and approved.
l. Shop Drawing Submittal Review: The procedure in seeking review of the shop drawings shall be as follows:

1) The Contractor shall submit four (4) complete sets and/or electronic PDFs of shop drawings with equipment submittals and other descriptive data with one copy of a letter of transmittal to the Architect for review thirty (30) working days after award of the contract. The letter of transmittal shall contain the project name, DCAMM's Project Number, the name of the Contractor, the list of drawings submitted including numbers and titles, requests for any review of departures from the contract requirements and any other pertinent information.

Drawings submitted for review shall be full-sized and included with the equipment submittals.

2) Drawings or descriptive data will be stamped "Reviewed", "Furnish as Corrected", "Revise and Resubmit", "Rejected" or 'Submit Specific Item' and one copy with a Letter of Transmittal will be transmitted to the Contractor with the return of submitted documents.
3) If a shop drawing or data is stamped "Reviewed" or "Furnish as Corrected", no additional submittal is required for that shop drawing.
4) If a shop drawing or data is stamped "Revise and Resubmit" or "Rejected", the Contractor shall make the necessary corrections and resubmit the documents as required above. The letter transmitting corrected documents shall indicate that the documents are re-submittals.
5) The Contractor shall revise and resubmit the shop drawing as required, until they are stamped either "Reviewed" or "Furnish as Corrected."

I. Equipment and Software List: Include every piece of equipment and software by product/model name and/or number, manufacturer, serial number, revision number, location, and date of original installation. If factory and/or bench testing regimens are required by the project plan, add pretesting record of each piece of equipment and software, listing name of person testing, date of test, and adjustments made.

J. CE and FCC Compliance Certificates:

K. Field quality-control reports

L. Current Specified Manufacturer Integrator Certification Letter

M. Current Specified Manufacturer Training Certificates (listing expiration dates) for Two technicians from the supporting office

N. Warranty: Software support and warranty information for all components, including Service Level Agreement (SLA) details, and duration of agreement from date of system acceptance by Owner. Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

O. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.

P. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.

1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.
2. General: The Contractor is responsible for providing accurate drawings and equipment manuals describing and depicting the systems as they are actually installed and operated.
3. Phase One: Notwithstanding requirements specified elsewhere, submit the following labeled as the "Operating and Maintenance Manual" within thirty (30) days after Final Acceptance of the Installation:

a. Record Drawings: Submit two (2) copies of revised versions of drawings as submitted in the "Shop and Field" and "Equipment Wiring Diagrams" Submittals showing actual device locations, conduit routing, wiring and relationships as they were constructed. Include nomenclature showing as-built wire designations and colors. Drawings shall include room numbers coinciding with Owner space planning numbering. Drawings

shall be submitted in electronic editable AutoCAD files, in ".dwg" format, on CD or DVD disks.

b. Manuals: Submit two (2) copies of each of the following materials in bound manuals, or electronic PDF copies on CD/DVD discs, with labeled dividers:

1) A final Bill of Material for each system.
2) Equipment Instruction Manuals: Complete, project specific comprehensive instructions for the operation of devices and equipment provided as part of this work.
3) Manufacturers Instruction Manuals: Specification sheets, brochures, Operation Manuals and service sheets published by the manufacturers of the components, devices and equipment provided.
4) Include information for testing, repair, troubleshooting, assembly, disassembly and recommended maintenance intervals.
5) Provide a replacement parts list with current prices. Include list of recommended spare parts, tools, and instruments for testing and maintenance purpose.
6) Performance, Test and Adjustment Data: Comprehensive documentation of performance verification according to parameters specified herein.
7) Warranties: Provide an executed copy of the Warranty Agreement and copies of all manufacturers' Warranty Registration papers as described herein.

1.7 QUALITY ASSURANCE

A. Comply with the following:

1. NFPA 70.
2. Applicable TIA/EIA standards.

B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.

C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with video surveillance systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized manufacturer's representative.

1. Contract maintenance office located within 100 miles of project site.

E. Maintenance Contractor Qualifications: Same entity as installer.

F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

G. The requirements of the State Building Code and local regulations establish the minimum acceptable quality of workmanship and materials, and all work shall conform thereto unless more stringent requirements are indicated or specified herein.

H. All work shall comply with the latest editions of the codes as referenced herein.

I. Follow manufacturer's directions for articles furnished, in addition to directions shown on drawings or specified herein.

J. Protect all work, materials, and equipment from damage during process of work. Replace all damaged or defective work, materials and equipment without additional cost to the Owner.

K. All equipment and materials for permanent installation shall be the products of recognized manufacturers and shall be new.

L. Equipment and materials shall:

1. Where normally subject to Underwriters Laboratory Inc. listing or labeling services, be so listed or labeled.
2. Be without blemish or defect.
3. Not be used for temporary purposes.
4. Be in accordance with the latest applicable NEMA standards.
5. Be products which will meet with the acceptance of all authorities having jurisdiction over the work. Where such acceptance is contingent upon having the products examined, tested and certified by Underwriters or another recognized testing laboratory, the product shall be so examined, tested and certified.

M. Except for conduit, conduit fittings, outlet boxes, wire and cable, all items of equipment or material of one generic type shall be the product of one manufacturer throughout.

N. For items which are to be installed but not purchased as part of the electrical work, the electrical work shall include:

1. The coordination of their delivery.
2. Their unloading from delivery trucks driven into any point on the property line at grade level.
3. Their safe handling and field storage up to the time of permanent placement in the project.
4. The correction of any damage, defacement or corrosion to which they may have been subjected. Replacement, if necessary, shall be coordinated with Contractor who originally purchased the item.
5. Their field make up and internal wiring as may be necessary for their proper operation.
6. Their mounting in place including the purchase and installation of all dunnage, supporting members, and fastenings necessary to adapt them to architectural and structural conditions.
7. Their connection to building wiring including the purchase and installation of all termination junction boxes necessary to adapt and connect them to this wiring. Included also shall be the purchase and installation of any substitute lugs or other wiring terminations as may be necessary to adapt their terminals to the building wiring as called for and to the connection methods set forth in these specifications.

O. Items which are to be installed but not purchased as part of the electric work shall be carefully examined upon delivery to the project. Claims that any of these items have been received in such condition that their installation will require procedures beyond the reasonable scope of the electric work will be considered only if presented in writing within one week of the date of delivery to the project of the items in question. The work includes all procedures, regardless of how extensive, necessary to put into satisfactory operation, all items for which no claims have been submitted as outlined above.

P. Seismic Performance: Provide equipment capable of withstanding the effects of earthquake motions determined according to ASCE/SEI 7 and current building codes for the state of CT.

1. The term “withstand” means “the system(s) will remain in place without separation of any parts when subjected to the seismic forces specified and the system will be fully operational after the seismic event.”

1.8 PROJECT CONDITIONS

A. Environmental Conditions: Capable of withstanding the following environmental conditions without mechanical or electrical damage or degradation of operating capability:

1. Interior, Controlled Environment: System components installed in temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of 36 to 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, noncondensing. Use NEMA 250, Type 1 enclosures.
2. Interior, Uncontrolled Environment: System components installed in non- temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of 0 to 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, noncondensing. Use NEMA 250, Type 3R enclosures.
3. Exterior Environment: System components installed in locations exposed to weather shall be rated for continuous operation in ambient temperatures of minus 30 to plus 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, condensing. Rate for continuous operation when exposed to rain as specified in NEMA 250, winds up to 85 mph and snow cover up to 24 inches thick. Use sufficiently rated NEMA 250 enclosures.
4. Hazardous Environment: System components located in areas where fire or explosion hazards may exist because of flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers shall be rated, listed, and installed according to NFPA 70.
5. Corrosive Environment: System components subject to corrosive fumes, vapors, and wind-driven salt spray in coastal zones. Use sufficiently rated NEMA 250 enclosures.
6. Security Environment: Camera housing for use in high-risk areas where surveillance equipment may be subject to physical violence.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions and NECA 303.

B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.10 FIELD CONDITIONS

A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.11 WARRANTY

A. See Division 01 – Closeout Submittals for additional warranty requirements.

B. The Integrator guarantees the Systems to be installed under this specification to be free from any defects in workmanship and materials for a period of one (1) year from the date of final completion/acceptance of the project by the Owner as evidenced by the date of final payment for the work. The Contractor shall promptly and at their own expense remedy any defects in the work

and pay for any damage to other work resulting thereof, which shall appear during the period of time covered by this guarantee. Neither the final certificate of payment nor any provisions in this Agreement shall constitute an acceptance of work not done in accordance with this specification or relieve the Contractor of liability with respect to any expressed warranties or guarantees or responsibility for faulty materials or workmanship.

C. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of equipment related to the Access Control System, and control-station equipment that fail in materials or workmanship within specified warranty period.

1. Warranty Period: The standard manufacturer’s warranty shall apply or a minimum of a one (1) year warranty from the date of Substantial Completion.

D. The Integrator shall provide all services required to maintain the system in an operational state as specified by the manufacturer for a period of one (1) year after acceptance.

E. Service response shall be within twelve (12) hours of the initial request for service and shall be provided twenty-four (24) hours per day, seven (7) days per week and three hundred sixty-five (365) days per year.

F. Contractor shall include, as part of this warranty, a program for maintenance for each integrated system.

1. Provide details of coverage, preventive maintenance schedules, exclusions and service rates for all billable time and travel charges.
2. Maintenance shall include two (2) semi-annual inspections and tests to verify the intended operation of the security system(s). System testing shall include but not be limited to the testing of all devises, fault modes and batteries. A detailed test report indicating these results and any corrective measures shall be furnished to the owner.

G. The Contractor shall provide software and firmware upgrades as required and available to the Owner.

H. Submit manufacturer's standard warranties.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

A. The video Surveillance System shall be Verkada. Alternates shall not be accepted.

B. Refer to technology sheet legends for Camera part numbers and mounting requirements.

C. Furnish and install cameras with on-edge 30-day storage.

D. Furnish and configure cloud licenses for one year. Cloud licenses shall commence at substantial completion and shall be current for the school through the first year of occupancy.

2.2 SYSTEM REQUIREMENTS

A. Furnish and install Video Surveillance System consisting of required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.

B. The awarded contractor of this section shall furnish and install a network Video Surveillance (VSS) system into this facility using electronic security devices. This integrated VSS shall incorporate all devices necessary to achieve the specified system, all associated monitoring and recording software, hardware, configuration, testing and training.

C. The contractor awarded this project must include the following licenses and configuration:

1. VSS licenses for each camera, including those on the Specified Access Control System

D. All installation, peripheral devices, required licensing and configurations are required as part of this specification to establish a coherent, functional system as described within this bid package.

E. Security Ethernet cabling from the indicated Telecommunication Rooms to the Specified Cameras as described within the documents shall be furnished and installed by the contractor awarded Division 27.

F. Any and all additional interconnection cabling required for a functional system shall be furnished and installed by the contractor awarded this portion of work.

G. Final terminations to all devices are required by the Contractor awarded this Section.

H. The Contractor awarded this Section shall furnish and install a complete integrated security system and all associated, terminations, supporting devices, configuration of system, testing and training in accordance with this Bid package.

I. This specification is used to identify the requirements for an integrated VSS. The operator workstation(s) shall be used for database programming and storage of historical events and as a User interface with the Access Control System.

J. Within the VMS, the Contractor shall create floor plan maps that include camera icons appropriately placed according to actual location. Upon clicking a camera icon, the video feed associated with that camera shall automatically be called up and displayed.

K. System Design Intent: It is the intention of this system design to provide a fully functional Video Surveillance System for, minimally, the following features:

1. The end user shall be able to access live or recorded video from within the VSS software and shall have the following capabilities:

a. The end user shall have the ability to pause, stop, resume, fast forward, frame advance, rewind, and move to a different time window.

1) The user shall be able to quickly switch between live and recorded video.
2) The user shall be able to view multiple video feeds simultaneously.
3) Upon alarm input to the IDS or ACS, a predetermined video feed or feeds that are associated with that alarm shall automatically display in the Access Control System Software window. This video window shall have the capability to display recorded (IE 10 seconds prior to alarm) video.

4) Within the VSS software window, the end user shall have the ability to call up and display live video from any camera. This shall include the ability to display multiple live camera views simultaneously through a matrix view.
5) Within the VMS, the end user shall have the ability to export recorded video to a local hard drive or to a removable media (such as CD or USB drive). The system shall automatically watermark this video file for future proof of authenticity.

L. System Functionality Overview:

1. System shall provide high-quality delivery and processing of IP-based video and control data using standard Ethernet-based networks.
2. System shall have seamless integration of all video surveillance and control functions.
3. Graphical user interface software shall manage all IP-based video matrix switching and camera control functions and recording and archive/retrieval management. IP system shall also be capable of integrating into larger system environments.
4. System design shall include all necessary compression software for high-performance, dual-stream, Motion JPEG and H.264 video.
5. All camera signals shall be compressed to H.264, encoded, and delivered onto the network for processing and control by the IP video-management software.
6. Camera system units shall be ruggedly built and designed for extreme adverse environments, complying with NEMA Type environmental standards.
7. The Camera's recorded images shall include masking of the unwanted areas within each camera view to minimize storage space. These recorded images shall be defined with the Owner and technology consultant.
8. Configuration of the Video Server to utilize two (2) Ethernet connections and Network Interface cards; one (1) for incoming video and recording and one (1) to send recorded video to the storage device.
9. Video management software shall be configured for the following.

    a. Recorded Video Compression Rate: H.264
    b. Frame Recorded Per Second: Fifteen (15).
    c. Resolution should be set at the highest obtainable from each camera specified.
    d. Stored data shall be saved for thirty (30) calendar days.
    e. Interior cameras shall record eighteen (18) hours per day.
    f. Exterior cameras shall record twenty-four (24) hours per day.
    g. Include 10% headroom storage.
    h. Include subtotal for processing and management software.
    i. Each camera "Field of View" shall be coordinated with the assistance of the Owner and/or the Security Consultant.

M. System Configuration Overview:

1. All system configuration(s) shall be included to attain a fully functional system and shall be within the Scope of work of the awarded Contractor of this section. This configuration shall include but not be limited to the following:

    a. Configuration of all cameras to be managed via the Video Management software.
    b. Configuration of Video Surveillance Server to view/record/access all cameras.
    c. Configuration of the Video Surveillance Servers to monitor all connected cameras for video loss. Video loss detection shall create an alarm on the VMS, alert any connected workstation, and simultaneously send an email to the system administrator conveying the video loss condition.
    d. Configuration of video storage devices with the server.
    e. Configuration of Browser Based Client for up to (4) users groups.

f. Configuration of the Video Storage Server per the manufacturer's established best practices.
g. Configuration of the Video Management Server per the manufacturer's established best practices.
h. Configuration of the Video Mobile Server per the manufacturer's established best practices.
i. Integration with the Owner's Active Directory.
j. Configuration of LAN switches – Active Electronics, as related to the systems specified within this document. Including VLANS and IP addressing shall be as indicated by the Owner.
k. The Contractor shall coordinate any/all network connections with the Owner IT Department prior to making any physical connections to the Owner's network components. Failure to follow this directive may result in expenditures for repair and troubleshooting by the Owner's IT department or 3rd party IT contractor/vendor. Such expenditures to remedy any issues caused by incorrect coordination by the Contractor shall be borne by the Contractor.
l. The contractor will be responsible for establishing the security of all IP devices, servers, and VMS storage from adversary compromise (internal or external) in conjunction with the owner's IT Department.
m. The cost of investigation, repairs, and reprogramming resulting from any security breaches during the construction or operation of the systems (while under warranty or service agreement) attributable to the failure of the Contractor to implement approved IT security measures shall be borne by the contractor.
n. Configuration of the VMS and Access Control managed software to:

    1) Allow complete interface between both platforms
    2) Allow the Access Control System to access and view all video surveillance cameras.
    3) Allow access and controlled network management system with Web and Internet access of the Video Surveillance system.

o. Programming camera names and recording parameters to optimize the camera for the environment for which it is operating in. Camera names shall be coordinated with the Owner prior to configuration. Naming all cameras within the system is the responsibility of the Contractor.

N. Environmental Conditions: System(s) shall withstand the environmental conditions without mechanical or electrical failure, damage or degradation of its operating capacity Capable of withstanding the following environmental conditions without mechanical or electrical damage or degradation of operating capability:

1. Interior, Controlled Environment: System components installed in temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of 36 to 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, noncondensing. Use NEMA 250, Type 1 enclosures.
2. Interior, Uncontrolled Environment: System components installed in non- temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of 0 to 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, noncondensing. Use NEMA 250, Type 3R enclosures.
3. Exterior Environment: System components installed in locations exposed to weather shall be rated for continuous operation in ambient temperatures of minus 30 to plus 122 deg F dry bulb and twenty to ninety percent (20-90%) relative humidity, condensing. Rate for continuous operation when exposed to rain as specified in NEMA 250, winds up to 85 mph and snow cover up to 24 inches thick. Use sufficiently rated NEMA 250 enclosures.

4. Hazardous Environment: System components located in areas where fire or explosion hazards may exist because of flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers shall be rated, listed, and installed according to NFPA 70.
5. Corrosive Environment: System components subject to corrosive fumes, vapors, and wind-driven salt spray in coastal zones. Use sufficiently rated NEMA 250 enclosures.
6. Security Environment: Camera housing for use in high-risk areas where surveillance equipment may be subject to physical violence.

2.3 SURGE PROTECTION

A. Install Lightning/Surge protection for all exterior rated cameras. Ground all protectors to manufacturer recommendations and Code requirements.

B. The intent of the Lightning/Surge protector is to protect the connected electronics (switches, routers, servers) in the event a camera is struck by lightning.

C. Surge protectors shall be installed between camera and patch panel.

D. Acceptable manufacturers:

1. Ditek
2. Approved Equivalent

2.4 CLIENT WORKSTATIONS:

A. Client Viewing PC: Apple TV

B. Wireless Mouse and Keyboard:

1. IOGEAR #GKM552R
2. Approved Equivalent

C. 55” Display (Spot Monitor) and Mount:

1. Quantity (2) SAMSUNG #QM55R or approved equal
2. The digital display shall meet the following requirements:

a. 55” diagonal
b. 3840 x 2160 minimal resolution
c. 500 nit minimal brightness
d. Approved for 24/7 operation
e. Includes a standard manufacturer 3-year warranty

3. CHIEF or approved equal
4. Include pole mounting with all accessories for each spot monitor.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that ratings and configurations of system components are consisted with the indicated requirements.

C. Verify that mounting surfaces are ready to receive the system components.

D. Verify that branch circuit wiring is installed, completed, tested, and ready for connection to system.

E. Verify that conditions are satisfactory prior to starting work.

F. Device Locations: All device locations are to be field verified with the Owner prior to start of project. Architectural drawings are for approximation purposes only. Additional charges will not be allowed for outlet installation in areas not reviewed or approved by the Owner.

G. Examine pathway elements intended for cables. Check raceways and other elements for compliance with space allocations, installation tolerance, hazards to camera installation, and other conditions affecting installation.

H. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install Video Surveillance system in accordance with NECA 1 (general workmanship).

B. Install products in accordance with manufacturer's instructions.

C. Install cameras level and plumb.

D. Install cameras with 84-inch minimum clear space below cameras and their mountings. Change type of mounting to achieve required clearance.

E. Set pan unit and pan-and-tilt unit stops to suit final camera position and to obtain the field of view required for camera. Connect all controls and alarms and adjust.

F. Install power supplies and other auxiliary components within the Telecommunication Room unless otherwise indicated.

G. Install tamper switches on components indicated to receive tamper switches, arranged to detect unauthorized entry into system-component enclosures and mounted in self-protected, inconspicuous positions.

H. Identify system components, wiring, cabling, and terminals according to industry standards.

I. Unless otherwise indicated, use wiring in conduit.

1. Use suitable listed cables in we locations, including underground raceways.
2. Use suitable listed cables for vertical wire applications.
3. All cabling shall be plenum rated.
4. Install wiring in conduit for the following:

    a. Where required for rough-in.
    b. Where required by the AHJ.
    c. Where exposed to damage.
    d. Where installed outside the building.
    e. For exposed connections from outlet boxes to devices.

5. Conduit: comply with Division 26.
6. Conceal cables unless specifically indicated to be exposed.
7. User power transfer hinges specified within Division 08 for concealed connections to door hardware.
8. Cables in the following areas may be exposed:

    a. Equipment Closets

9. Route exposed cables in parallel or perpendicular to building structural members and surfaces.
10. Do not exceed manufacturer's recommended maximum cable length between components.

J. Provide grounding and bonding in accordance with Division 26.

K. Install firestopping to preserve the fire resistance rating of partitions and other elements, using materials and methods specified in Division 07.

L. Install power supplies and other auxiliary components at control stations unless otherwise indicated.

M. Identify system components, wiring, cabling, and terminals according to ANSI/EIA/TIA standards.

N. Security System Integration:

1. The Contractor shall be responsible for providing hardware and software interfaces to achieve the specified system performance described herein and, by reference, realize absolute and seamless compatibility with the related component systems.
2. The Contractor shall ensure system additions and modifications provided under this scope of work have no negative effect on the individual components and systems, and their core functionality, and no permanent effect beyond that specified or implied by the scope of work.
3. Purpose

    a. Integration is the process of designing, deploying, and configuring independently operating systems with the ability to request, receive, extract, process, and act upon information from other systems.
    b. Successful system integration must address three fundamental issues:

        1) Functionality: What information is needed, how it is to be requested and processed, and what functions or activities need to occur upon receipt of the information.
        2) Connectivity: How systems will be connected to support the communication of information and commands. (Special interfaces, wiring, networks, databases.)
        3) Communication: How information will be communicated between systems. (Instruction sets, language, protocols, formats, priority.)

4. Environment

    a. Integration components shall generally comprise special elements of independent subsystems, and shall be located within, or in close proximity to, the processing components of each independent subsystem. Where subsystems require special hardware or communications interfaces to support integration, the special hardware should be located near the independent subsystem processing components or network appliance, based on the manufacturers' recommendation. See the drawings for details on mounting locations.

b. Central Administrative Post: Components of the main integration system operating shell may be distributed throughout the site / facility, in relation to the other integrated subsystems. The main EACS system monitoring occurs in the Massachusetts State House building Primary Security Operations Center (SOC – room 013A-1). System programming, rules configuration, and control shall occur either at this location or at another location designated by the Owner.

5. Infrastructure and Connectivity:

a. Devices/Appliances: Appliances and devices shall be connected to their respective systems via the applicable communications network.
b. System LAN/WAN Connectivity: System Servers and microprocessor-based Control Panels, shall reside on the Local Area Network (LAN) or Wide Area Network (WAN) tier designated for integrated components.
c. Enterprise: LAN networks will be connected to the Wide Area Network, to establish connectivity between remote sites and both the Primary and Alternate Security Operations Center (SOC – room SB05-1).

6. Attributes

a. The attributes of the integrated environment are primarily defined by the subsystems that are to be integrated. Verify existing system components to be expanded by this project.
b. Integrated systems comprise the processors, software, electrical control panels, data gathering panels, special data interfaces, and converters required to allow systems to communicate with each other, process information, and allow users to program and perform operations.

7. Functions

a. The system shall provide the following automated processing rules, at a minimum:
b. The object of “Access Control system integration” is to automatically configure the system to display, record, and report appropriate system activity to various elements of the system. Automatic configuration can free operators from difficult control tasks, give the operator more time to respond to events, reduce operator error, and ensure critical system tasks occur consistently.
c. Electronic Access Control system elements shall be electronically integrated in such a way as to enable detection, database records and/or event-initiated instructions to be communicated between system components, to initiate recording, display, communication, and control activities.
d. Event-Initiated Interface, General:

1) The system shall support the capability to send and receive alarm and control messages between the Access Control System and video systems via a LAN communications link, using API, XML, or other industry-standard communication languages and formats, and shall act upon those messages received.
2) The system shall support the capability to send and receive alarm and control messages and alarm signal between the Access Control system and Intrusion Detection System for lockdown / duress / and panic button initiation.
3) Where integration may require the implementation of data interfaces, Contractor shall propose such integration to the Owner for approval, before proceeding with the work.
4) Software routines required to accomplish the required data-interface with external equipment and controls will be fully developed, installed, tested and supported by the Contractor.

5) The manufacturer of each applicable system will also support the data interface and will be engaged by the Contractor to provide on-site technical assistance where required to prepare, repair, configure, and test the system to operational condition.
6) Communication of event information between systems shall take place automatically and immediately when the event is sensed by the System.

3.3 FIELD QUALITY CONTROL

A. Testing Agency: The Contractor shall engage a qualified testing agency to perform tests and inspections with the Owner and appointed project manager.

B. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.

C. Camera Field Verification:

1. All camera locations MUST to be field verified with the Owner prior to start of project. Architectural drawings are for approximation purposes only. Additional charges will not be allowed for installation in areas not reviewed or approved by the Owner.
2. Camera images will be reviewed with the Owner and the Security Consultant. The contractor shall plan for three adjustments of the camera’s field of view as follows:

a. Initial setup and testing
b. Owner and / or Security Consultant adjustments #1
c. Owner and / or Security Consultant adjustments #2

D. Perform tests and inspections.

1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.

E. Tests and Inspections:

1. Inspection: Verify that units and controls are properly installed, connected, and labeled, and that interconnecting wires and terminals are identified.
2. Pretesting: Align and adjust system and pretest components, wiring, and functions to verify that they comply with specified requirements. Conduct tests at varying lighting levels, including day and night scenes as applicable. Prepare video-surveillance equipment for acceptance and operational testing as follows:

a. Prepare equipment list described in "Submittals" Article.
b. Verify operation of auto-iris lenses.
c. Set back-focus of fixed focal length lenses. At focus set to infinity, simulate nighttime lighting conditions by using a dark glass filter of a density that produces a clear image. Adjust until image is in focus with and without the filter.
d. Set back-focus of zoom lenses. At focus set to infinity, simulate nighttime lighting conditions by using a dark glass filter of a density that produces a clear image. Additionally, set zoom to full wide angle and aim camera at an object 50 to 75 feet away. Adjust until image is in focus from full wide angle to full telephoto, with the filter in place.
e. Set and name all preset positions; consult Owner's personnel.
f. Set sensitivity of motion detection.

g. Connect and verify responses to alarms.
h. Verify operation of control-station equipment.

3. Test Schedule: Schedule tests after pretesting has been successfully completed and system has been in normal functional operation for at least fourteen (14) days. Provide a minimum of ten (10) days notice of test schedule.
4. Operational Tests: Perform operational system tests to verify that system complies with Specifications. Include all modes of system operation. Test equipment for proper operation in all functional modes.

F. Video Surveillance System shall be considered defective if it does not pass tests and inspections.

G. Prepare test and inspection reports.

H. Occupancy Adjustments: When requested within twelve (12) months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two (2) visits to this Project location during other-than-normal occupancy hours for this purpose. Tasks shall include, but are not limited to, the following:

1. Check cable connections.
2. Check proper operation of cameras and lenses. Verify operation of auto-iris lenses and adjust back-focus as needed.
3. Adjust all preset positions; consult Owner's personnel.
4. Recommend changes to cameras, lenses, and associated equipment to improve Owner's use of video surveillance system.
5. Provide a written report of adjustments and recommendations

3.4 CLEANING

A. Clean installed items using methods and materials recommended in writing by manufacturer.

B. Clean video-surveillance-system components, including camera-housing windows, lenses, and monitor screens before installation and prior to final acceptance.

C. Remove rubbish and debris: Installation contractor is not allowed you use the onsite dumpster and is responsible to discard their own debris off site.

3.5 CLOSEOUT ACTIVITIES

A. See Division 01 – Closeout Submittals for Closeout Submittals.

B. Demonstration: Demonstrate proper operations of system to Owner and correct deficiencies or make adjustments as directed.

C. Training:

1. By means of training classes augmented by individual instruction as necessary, the Bidding contractor shall fully instruct the BOE’s designated staff and personnel in the operation, adjustment and maintenance of all products, equipment and systems.
2. General Training Requirements:

a. The security contractor shall submit proposal to conduct training courses for the security personnel in the operation and maintenance of the security systems within this security project.
b. The security contractor shall include training manuals and aids in the quantity as requested by the Owner. The training manuals shall include an agenda, defined objectives for each lesson, and a detailed description of the subject matter for each lesson. All personnel providing the instructions shall be certified by the equipment manufacturer for all applicable hardware and software.
c. Approval of the planned training content and training schedule shall be obtained by the Owner at least 45 days before the training is scheduled.
d. Training shall be provided by qualified, factory trained and certified engineers familiar with each system and its operations and shall be provided at the site for a period of no less than the hours stipulated below.

3. Training Topics:

a. System Administration Training

1) This training shall focus on determining and implementing system operational parameters.
2) The first training class shall be conducted so that it is completed approximately 30 days prior to acceptance of the system and final system reliability testing. 8 Hours of Administration training; (2) 4-hour classes.
3) The second training class shall be conducted so that it is completed approximately 7 days prior to acceptance of the system and final system testing. The system administrator shall be included as part of this final system acceptance and reliability testing. 6 Hours of training; (2) 3-hour classes.
4) This Administrations training shall include:

a) Overall architecture and configuration of each system.
b) Use of all system functions.
c) ID badging design and production.
d) Card-holder setup and configuration.
e) Card-holder access level assignment.
f) Access Door programming.
g) Alarm setup and implementation.
h) Data storage and retrieval through reports.
i) Creation of reports.
j) System database backup procedures.
k) Hardware specifications.
l) Fault diagnosis and corrections.

b. System User Monitoring Training

1) This training shall be for each designated personnel at this school.
2) This training shall focus on day-to-day system operations. Each user shall be capable to start the systems, operate them, recover the systems after a failure, and describe the specific hardware architecture and operation of the systems.
3) The first training class shall be conducted so that it is completed approximately 30 days prior to acceptance of the system and final system reliability testing. All System User Training shall be performed at each school within this specification. 8 Hours of User training; (2) 4-hour classes.
4) The second training class shall be conducted so that it is completed approximately 7 days prior to acceptance of the system and final system testing. The system administrator shall be included as part of this final system acceptance and reliability testing. 6 Hours of User training; (2) 3-hour classes.

5) Training shall include:

a) Use of overall system monitoring functions as determined by the security administration staff.
b) Monitoring alarm events.
c) Monitoring personnel access into the facility.
d) Assessing, responding to, and clearing alarms and messages.
e) Monitoring access door status.
f) Running routine reports.
g) General hardware architecture.
h) Functional operation of each system and interaction between these systems.
i) All Operator commands.
j) Database entry.
k) Report generation.
l) Alarm assessment.
m) Simple diagnostics.

c. System Troubleshooting and Maintenance Training

1) Training shall be provided with the internal features and configuration of the security systems so the user can trouble shoot and repair most configuration and physical device problems.
2) The training class shall be conducted so that it is completed approximately 14 days prior to acceptance of the system and final reliability testing. The users shall be included as part of this reliability testing. 8 Hours of training; (2) 4-hour classes.
3) This training shall include:

a) System networking communications and diagnostics.
b) Device configuration and programming.
c) Controller setup.
d) Wiring and cabling overview.
e) System Diagnostics.
f) Software troubleshooting.
g) Physical layout of each piece of hardware.
h) Preventive maintenance procedures and schedules.
i) Calibration procedures.

d. IT Training

1) Training shall be provided information of the security systems to the IT staff. This shall include information as to how each system functions within the LAN/WAN network infrastructures. 4 Hours of training.
2) Topics shall include:

a) Network topologies.
b) Maintenance of data security.

4. Training hours and sessions must be documented by the instructor and approved by the Owner before project closeout.
5. Should the training be deemed as inadequate by the Owner, the owner reserves the right to retain outside manufacturer training. If this outside manufacturer training has an associated cost, this cost shall be deducted from the final invoice of this project.

6. The Owner reserves the right to request the Contractor to videotape training sessions and turn over video records (DVD format) to Owner as part of the “Owner Project Manuals” and Deliverables.

3.6 PROTECTION

A. Protect installed system components from subsequent construction operations.

3.7 MAINTENANCE

A. See Division 01 – Execution and Closeout Requirements for additional requirements relating to maintenance service.

B. Adjustments:

1. Occupancy Adjustments: When requested within twelve (12) months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two (2) visits to Project during other-than-normal occupancy hours for this purpose. Tasks shall include, but are not limited to, the following:
2. Check cable connections.
3. Check proper operation of video surveillance devices.
4. Provide a written report of adjustments and recommendations.

C. Provide to Owner, at no extra cost, a separate maintenance contract for the service and maintenance of the Access Control System for One Year from date of Substantial Completion. Include a separate description of preventative maintenance, systematic examination, cleaning, inspection, and testing, with a detailed schedule.

D. Conduct site visit at least once every three months to perform inspection, testing, and preventative maintenance. Submit report to Owner indicating maintenance performed along with evaluations and recommendations.

E. Provide trouble call-back service upon notification by Owner:

1. Include allowance for call-back service during normal working hours at no extra cost to Owner.
2. Owner will pay for call-back service outside of normal working hours on an hourly basis, based on actual time spent at the site and not including travel time; include hourly rate and definition of normal working hours in maintenance contract.

END OF SECTION 282300

SECTION 105113 - METAL LOCKERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Welded corridor lockers.
2. Locker benches.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of metal locker.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of metal locker and bench.

B. HPBS Submittals:

1. Product Data for Section 16a-38k-6(d)(8): For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content.

C. Shop Drawings: For metal lockers.

1. Include plans, elevations, sections, and attachments details.
2. Show locker trim and accessories.
3. Include locker identification system and numbering sequence.

D. Samples: For each color specified, in manufacturer's standard size.

E. Product Schedule: For lockers.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Full-size units of the following metal locker hardware items equal to ten percent (10%) of amount installed for each type and finish installed, but no fewer than five (5) units:

a. Identification plates.
b. Hooks.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver metal lockers until spaces to receive them are clean, dry, and ready for their installation.

1.8 FIELD CONDITIONS

A. Field Measurements: Verify actual dimensions of recessed openings by field measurements before fabrication.

1.9 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections to ensure that metal lockers can be supported and installed as indicated.

1.10 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of metal lockers that fail in materials or workmanship, excluding finish, within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures.
b. Faulty operation of latches and other door hardware.

2. Damage from deliberate destruction and vandalism is excluded.
3. Warranty Period for Welded Metal Lockers: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain each type of metal lockers and accessories from single source from single locker manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Accessibility Standard: For lockers and locker benches indicated to be accessible, comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC A117.1.

2.3 WELDED CORRIDOR LOCKERS

A. Basis-of-Design Product:

1. Penco Products, Inc; **Welded Gen2**

B. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

1. Lyon Workspace Products, LLC
2. Republic Storage Systems Company
3. Substitutions: Under provisions of Section 012500 “Substitution Procedures”.

C. Doors: One-piece; fabricated from 14-gauge nominal-thickness steel sheet; formed into channel shape with double bend at vertical edges and with right-angle single bend at horizontal edges.

1. Reinforcement: Manufacturer's standard reinforcing angles, channels, or stiffeners for doors more than 15 inches wide; welded to inner face of doors.
2. Door Style: Vented panel as follows:

a. Louvered Vents: No fewer than six (6) louver openings at top and bottom for single-tier, three (3) louver openings at top and bottom for double-tier and two (2) louver openings at top and bottom for triple- and 4-tier lockers.

D. Body: Assembled by welding body components together. Fabricate from unperforated steel sheet with thicknesses as follows:

1. Tops, Bottoms, and Sides: 16-gauge nominal thickness.
2. Backs: 18-gauge nominal thickness.

E. Frames: Channel formed; fabricated from 16-gauge nominal-thickness steel sheet; lapped and factory welded at corners; with top and bottom main frames factory welded into vertical main frames. Form continuous, integral, full-height door strikes on vertical main frames.

F. Hinges: Welded to door and attached to door frame with no fewer than two (2) factory-installed rivets per hinge that are completely concealed and tamper resistant when door is closed; fabricated to swing 180 degrees; self-closing.

1. Continuous Hinges: Manufacturer's standard, steel, full height.

G. Recessed Door Handle and Latch: Stainless-steel cup with integral door pull, recessed so locking device does not protrude beyond door face; pry and vandal resistant.

1. Multipoint Latching: Finger-lift latch control designed for use with built-in combination locks or padlocks; positive automatic latching and pre-locking.

a. Latch Hooks: Equip doors 48 inches and higher with three (3) latch hooks and doors less than 48 inches high with two (2) latch hooks; fabricated from 0.120-inch nominal-thickness steel sheet; welded to full-height door strikes; with resilient silencer on each latch hook.
b. Latching Mechanism: Manufacturer's standard, rattle-free latching mechanism and moving components isolated to prevent metal-to-metal contact, and incorporating a pre-locking device that allows locker door to be locked while door is open and then closed without unlocking or damaging lock or latching mechanism.

H. Identification Plates: Manufacturer's standard, etched, embossed, or stamped aluminum plates, with numbers and letters at least 3/8-inch-high.

I. Hooks: Manufacturer's standard ball-pointed type, aluminum or steel; zinc plated.

J. Continuous Zee Base: Fabricated from, 0.075-inch nominal-thickness steel sheet.

1. Height: 4 inches.

K. Continuous Sloping Tops: Fabricated from 0.048-inch nominal-thickness steel sheet, with a pitch of approximately 20 degrees.

1. Closures: Vertical-end type.

L. Finished End Panels: Fabricated from 16-gauge nominal-thickness steel sheet to cover unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of non-recessed metal lockers; finished to match lockers.

M. Materials:

1. Cold-Rolled Steel Sheet: ASTM A 1008, Commercial Steel (CS), Type B, suitable for exposed applications.
2. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of pre-consumer recycled content not less than twenty-five percent (25%).

N. Finish: Baked enamel or powder coat.

1. Color: As selected by Architect and Owner from manufacturer's full range.

2.4 LOCKER BENCHES

A. Basis-of-Design Product:

1. Wisconsin Bench Manufacturing

B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Robinson Steel Company
2. Substitutions: Under provisions of Section 012500 “Substitution Procedures”.

C. Provide bench units with overall assembly height of 17¼ inches.

D. Bench Tops: Manufacturer's standard one-piece units, with rounded corners and edges.

1. Size: Minimum 20 inches wide by 1¼ inches thick.
2. Laminated clear hardwood with one (1) coat of clear sealer on all surfaces and one (1) coat of clear lacquer on top and sides.
3. Provide with slip resistant surface.

E. Backrests: Manufacturer's standard one-piece units, with rounded corners and edges.

1. Size: Minimum 20-inch-wide backs where accessible benches are indicated.
2. Laminated clear hardwood with one (1) coat of clear sealer on all surfaces and one (1) coat of clear lacquer on top and sides.

F. Fixed Pedestals: Manufacturer's standard supports, with pre-drilled fastener holes for attaching bench top and anchoring to floor, complete with fasteners and anchors, and as follows:

1. Tubular Steel: 1½-inch-diameter steel tubing threaded on both ends, with standard pipe flange at top and bell-shaped cast-iron base; with baked-enamel or powder-coat finish; anchored with exposed fasteners.

a. Color: As selected by Architect and Owner from manufacturer's entire range.

G. Materials:

1. Steel Tube: ASTM A 500, cold rolled.

2.5 FABRICATION

A. Fabricate metal lockers square, rigid, without warp, and with metal faces flat and free of dents or distortion. Make exposed metal edges safe to touch and free of sharp edges and burrs.

1. Form body panels, doors, shelves, and accessories from one-piece steel sheet unless otherwise indicated.
2. Provide fasteners, filler plates, supports, clips, and closures as required for complete installation.

B. Fabricate each metal locker with an individual door and frame; individual top, bottom, and back; and common intermediate uprights separating compartments. Factory weld frame members of each metal locker together to form a rigid, one-piece assembly.

C. Equipment: Provide each locker with an identification plate and the following equipment:

1. Double-Tier Units: One (1) double-prong ceiling hook and two (2) single-prong wall hooks.

D. Welded Construction: Factory preassemble metal lockers by welding all joints, seams, and connections; with no bolts, nuts, screws, or rivets used in assembly of main locker groups. Factory weld main locker groups into one-piece structures. Grind exposed welds smooth and flush.

E. Accessible Lockers: Fabricate as follows:

1. Locate compartment bottom minimum of 15 inches above the floor or an extra shelf placed 15 inches above the floor for unobstructed forward and side reach.
2. Where hooks, coat rods, or additional shelves are provided, locate no higher than 48 inches above the floor.
3. Operation of the recessed hasp latch will not require pinching or twisting actions on the part of the user.
4. Handicapped symbol attached to door.

F. Continuous Zee Base: Fabricated in lengths as long as practical to enclose base and base ends; finished to match lockers.

G. Continuous Sloping Tops: Fabricated in lengths as long as practical, without visible fasteners at splice locations; finished to match lockers.

1. Sloping-top corner fillers, mitered.

H. Finished End Panels: Fabricated to conceal unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of non-recessed metal lockers; finished to match lockers.

2.6 ACCESSORIES

A. Fasteners: Zinc- or nickel-plated steel, slotless-type, exposed bolt heads; with self-locking nuts or lock washers for nuts on moving parts.

B. Anchors: Material, type, and size required for secure anchorage to each substrate.

1. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls, floors, and support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install lockers level, plumb, and true; shim as required, using concealed shims.

1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Using concealed fasteners, install anchors through backup reinforcing plates, channels, or blocking as required to prevent metal distortion.
2. Anchor single rows of metal lockers to walls near top of lockers and to floor.

B. Welded Lockers: Connect groups together with manufacturer’s standard fasteners, with no exposed fasteners on face frames.

C. Equipment:

1. Attach hooks with at least two (2) fasteners.
2. Identification Plates: Identify metal lockers with identification indicated on Drawings.

a. Attach plates to each locker door, near top, centered, with at least two (2) aluminum rivets.

D. Trim: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.

1. Attach sloping-top units to metal lockers, with closures at exposed ends.

2. Attach finished end panels using fasteners only at perimeter to conceal exposed ends of non-recessed metal lockers.

3.3 ADJUSTING

A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding.

3.4 PROTECTION

A. Protect metal lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.

B. Touch up marred finishes or replace metal lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 105113

MATCH LINE SHEET C201
MATCH LINE SHEET C202

1A C701 VAN ACCESSIBLE PARKING (2 SPACES)

EXISTING SWITCHBACK RAMP

ENTRY PLAZA

BENCHMARK TOP FLANGE BOLT WEST SIDE ELEV= 104.19

2E C702 CONCRETE STEPS WITH STONE VENEER CHEEK WALLS (6 RISERS)

SIM 2E C702 CONCRETE STEPS WITH STONE VENEER CHEEK WALLS (3 RISERS)

ALIGN WITH OUTSIDE FACE OF WALLS

BLDG. #1
MAIN BUILDING

2D C704 CONCRETE RETAINING WALL WITH STONE VENEER

3D C701 PARKING AREA / DRIVEWAY LIGHT BASE (20 FT. TALL)

3B C701 PEDESTRIAN LIGHT BASE (17.5 FT. TALL)

1A C701 VAN ACCESSIBLE PARKING (2 SPACES)

1B C701 CAR ACCESSIBLE PARKING (4 SPACES)

4E C703 CONCRETE RETAINING WALL WITH STONE VENEER (NO GUARDRAILING)

BLDG. #2
LIBRARY

2D C704 CONCRETE RETAINING WALL WITH STONE VENEER (FACE TO ALIGN WITH COLUMN FACE)

CONCRETE STEPS W/ STONE VENEER CHEEK WALLS (4 RADIAL RISERS) 2E C702

ARTS ANNEX

ENTRY PLAZA

CONCRETE STEPS WITH STONE CHEEK (6 RISERS) 2E C702

ACCESSIBLE 5% WALK WITH CONCRETE RETAINING WALLS 1C C704

REF. 12
ALTERNATE - ANNEX

WOOD AND METAL BENCH AT CONCRETE (TYP. OF 4) 5C C701

BLDG. #5
LOWER SCHOOL

ENTRY PLAZA

MATCH WIDTH OF STAIR

MATCH WIDTH OF STAIRS

2D C704 CONCRETE RETAINING WALL WITH STONE VENEER

MATCH EX. WIDTH

WOOD AND METAL BENCH AT CONCRETE (TYP. OF 2) 5C C701

BLDG. #6
UPPER SCHOOL

SAW CUT

2E C702 CONCRETE STEPS WITH (1) STONE VENEER CHEEK WALL (6 RISERS)

2E C702 CONCRETE STEPS WITH STONE VENEER CHEEK WALLS (6 RISERS)

4D C701 DECORATIVE BOLLARD (TYP. OF 30)

1E C703 CONCRETE STEPS WITH STONE VENEER CHEEK WALLS (BUILDING NO. 4 - MAIN ENTRANCE)

BLDG. #3

BLDG. #4
MUSIC HALL

CONCRETE STEPS AND ACCESSIBLE RAMP (BUILDING NO. 4 - SIDE ENTRANCE) SE C702

EXISTING CONCRETE RETAINING WALL TO REMAIN WITH NEW BLACK VINYL-COATED CHAIN LINK FENCE (4' TALL)

BLDG. to be demo'd

BLDG. #9

STATE HIGHWAY LINE

EX. WALL

EX. BIT. CURB (TYP.)

EX. BIT. WALK

(CT ROUTE NO. 845)

COUNTRY CLUB ROAD

ORONOKE ROAD

WEST

MATCH LINE SHEET C202
MATCH LINE SHEET C203

0 30 60 100
SCALE: 1" = 30'

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

benesch
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
P 860-633-8341
F 860-633-1068
www.Benesch.com

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	01/09/2026	TRS

STATE OF CONNECTICUT WILLIAM B. WALKER LICENSED PROFESSIONAL ENGINEER

Drawing Title: Materials & Layout Plan
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: AS SHOWN
Drawn By:
Project Number: 22.050

Drawing Number: C202

MATCH LINE SHEET C401
MATCH LINE SHEET C403

GTD 4
CL 3
ALTERNATE - PAVING
AR 2
BN 4
GTD 4
GTD 4
AR 2
BN 4
GTD 4
AFA 1

SWEET HOLLY DR

100' UPLAND REVIEW BOUNDARY

INTERSECTION SIGHT DISTANCE = 445'

BLDG. #7
GYMNASIUM

100' UPLAND REVIEW BOUNDARY

RFI 1

IMF 4
PB 3
IMM 1
IMF 4

BBK 3
HA 6
BBK 3
AHB 1
HA 5
RD 3

BLDG. #10

MATCH LINE SHEET C401
MATCH LINE SHEET C402

MATCH LINE SHEET C402
MATCH LINE SHEET C403

N

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

benesch
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
P 860-633-8341
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311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	01/09/2026	TRS

STATE OF CONNECTICUT · RYAN C. DENNIS · NO. 1085 · LANDSCAPE ARCHITECT

Drawing Title:
Planting Plan

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

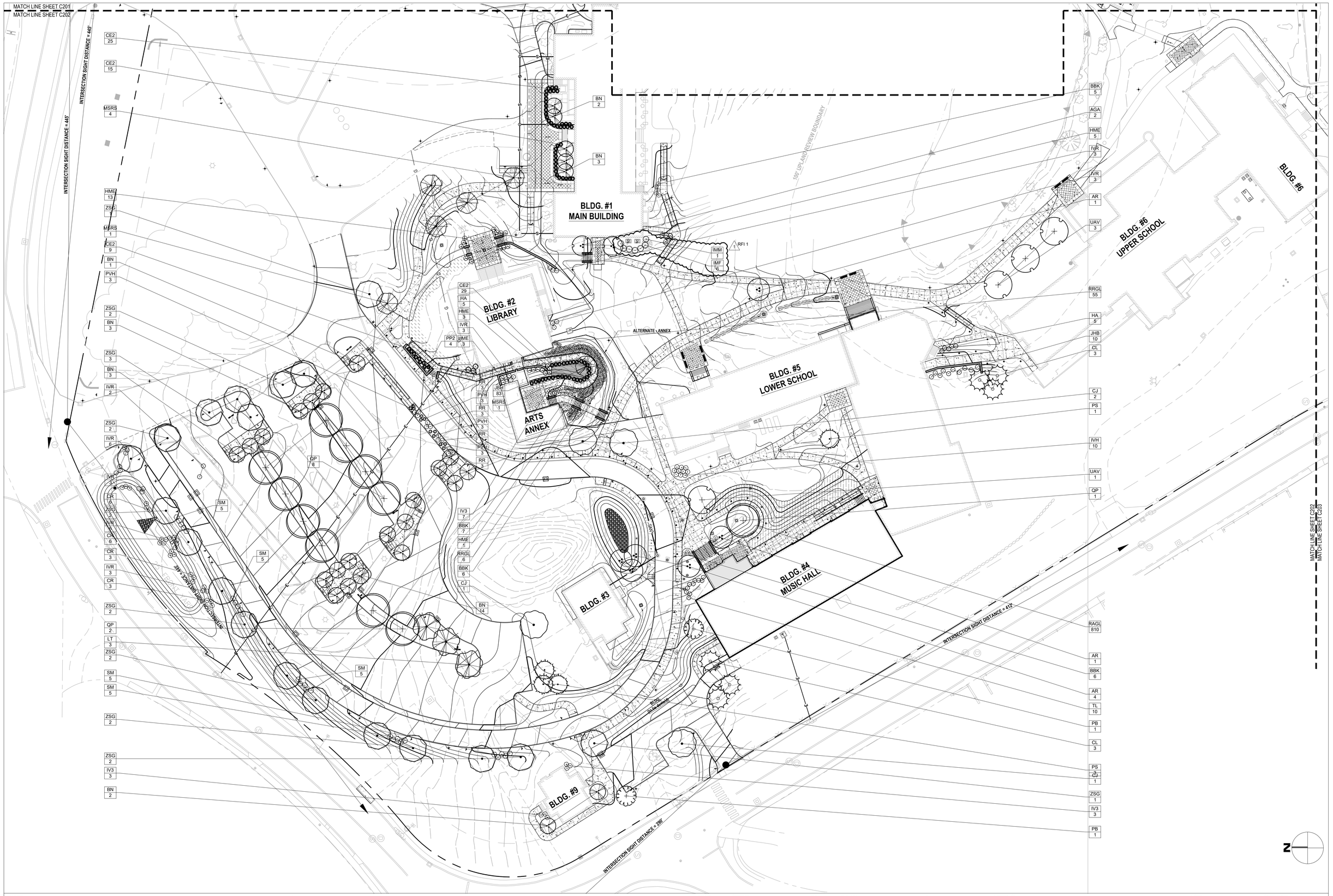
Date:
AUGUST 12, 2025

Scale:
AS SHOWN

Drawn By:

Project Number:
22.050

Drawing Number:
C401



Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

benesch
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
P 860-633-8341
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203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	01/09/2026	TRS

STATE OF CONNECTICUT · SEAN C. BEZIRE · REGISTERED LANDSCAPE ARCHITECT · NO. 1085

Drawing Title:
Planting Plan

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

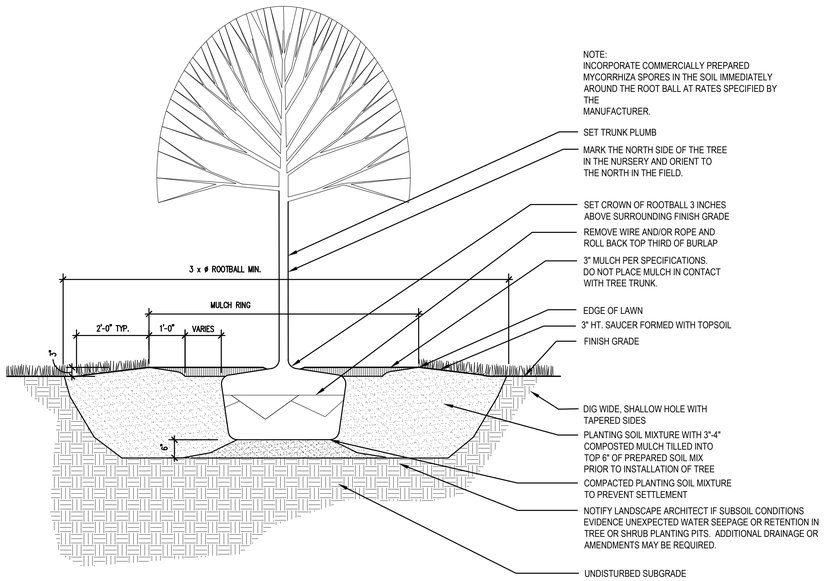
Date:
AUGUST 12, 2025

Scale:
AS SHOWN

Drawn By:

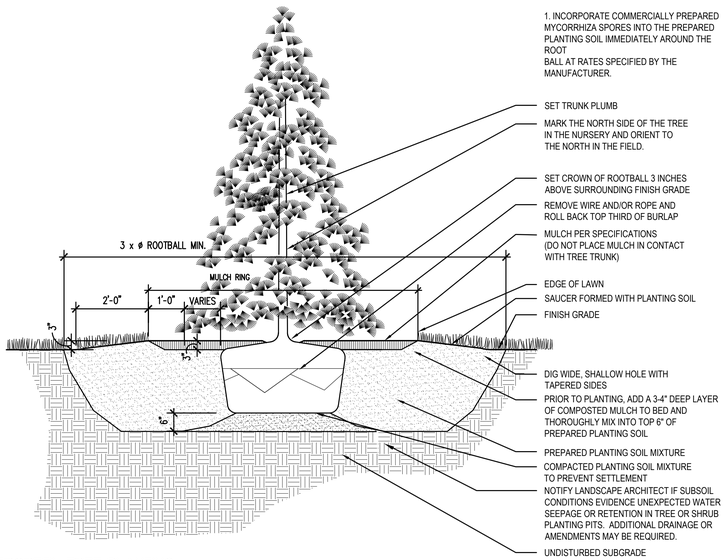
Project Number:
22.050

Drawing Number:
C402



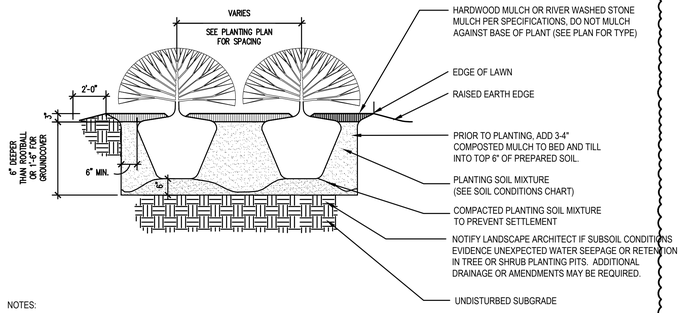
1 DECIDUOUS TREE PLANTING

1/2" = 1'-0"



2 EVERGREEN TREE PLANTING

NOT TO SCALE

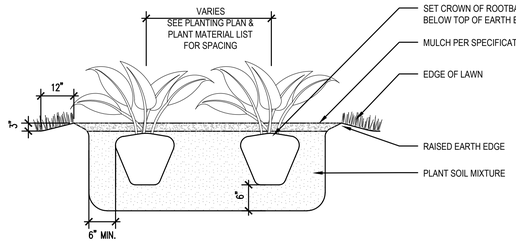


NOTES:

1. FOR CONTAINER GROWN SHRUBS, GENTLY PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF CONTAINER.
2. FOR B&B SHRUBS, FOLD BURLAP FROM TOP OF ROOT BALL DOWN TO GROUND.
3. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER.
4. CONFIRM THAT WATER DRAINS OUT OF THE SOIL DURING THE DESIGN PHASE, DESIGN ALTERNATIVE DRAINAGE SYSTEMS, AS REQUIRED.

3 SHRUB PLANTING BED

N.T.S.



4 PERENNIAL PLANTING (CONTINUOUS PLANTING BED)

N.T.S.

RFI 1

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
DECIDUOUS TREES						
	AR	ACER RUBRUM `RED SUNSET CLUMP` / RED SUNSET MAPLE CLUMP	B & B	2"CAL		10
	AFA	ACER X FREEMANII `ARMSTRONG` / ARMSTRONG FREEMAN MAPLE	B & B	3.5-4" CAL.	14-16` HT.	1
	AHB	AESCULUS HIPPOCASTANUM 'BAUMANNII' / BAUMANN HORSE CHESTNUT	B & B	3-3.5" CAL.	12-16` HT.	1
	AGA	AMELANCHIER X GRANDIFLORA `AUTUMN BRILLIANCE` / `AUTUMN BRILLIANCE` SERVICEBERRY	B & B	MULTI-TRUNK	12-14` HT.	2
	BN	BETULA NIGRA `HERITAGE` / RIVER BIRCH `HERITAGE`	B & B	MULTI-TRUNK	8-10` HT.	36
	CJ	CERCIDIPHYLLUM JAPONICUM / KATSURA TREE	B & B	2.5-3" CAL.		4
	GTD	GLEDITSIA TRIACANTHOS `DRAVES` / STREET KEEPER HONEY LOCUST	B & B	2.5-3" CAL.	14-16` HT.	16
	LT	LIRIODENDRON TULIPIFERA / TULIP TREE	B & B	3-3.5" CAL.	20` MIN.	3
	MSRS	MAGNOLIA STELLATA RUBRA / RED STAR MAGNOLIA	B & B	2-2.5" CAL.		6
	QP	QUERCUS PALUSTRIS / PIN OAK	B & B	3.0"-3.5" CAL	20` MIN.	11
	UAV	ULMUS AMERICANA `VALLEY FORGE` / AMERICAN ELM	B & B	3.5-4" CAL.	20` MIN.	4
	ZSG	ZELKOVA SERRATA `GREEN VASE` / SAWLEAF ZELKOVA	B & B	6-7" CAL.	20` MIN.	19
EVERGREEN TREES						
	CL	CUPRESSUS X LEYLANDII / LEYLAND CYPRESS	B & B	CONIFER	8-10` HT.	9
	PB	PINUS BUNGEANA / LACEBARK PINE	B & B	CONIFER	14-16` HT.	5
	PS	PINUS SYLVESTRIS / SCOTCH PINE	B & B	CONIFER	12-14` HT.	4

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	HEIGHT	SPREAD	QTY
DECIDUOUS SHRUBS						
	BBK	BUDDLEJA X 'BLUE KNIGHT' / BLUE KNIGHT BUTTERFLY BUSH	5 GAL			30
	CR	CORNUS SERICEA / RED TWIG DOGWOOD	5 GAL			18
	HA	HYDRANGEA ANOMALA PETIOLARIS / CLIMBING HYDRANGEA	#3 CONT.	2-3` HT.	2-3` SPR.	21
	HME	HYDRANGEA MACROPHYLLA `BAILMER` TM / ENDLESS SUMMER	#5 CONT.	30-36" HT.	30-36" SPR.	25
	IVR	ILEX VERTICILLATA `RED SPRITE` / RED SPRITE WINTERBERRY	#3 CONT.	18-24" HT.	18-24" SPR.	29
	IVH	ITEA VIRGINICA `HENRY`S GARNET` / HENRY`S GARNET SWEETSPIRE	#5 CONT.	18-24" HT.	24-30" SP.	10
	IV3	ITEA VIRGINICA `HENRY`S GARNET` / HENRY`S GARNET SWEETSPIRE	#7 CONT.	18-24" HT.	24-30" SP.	13
	RD	RHODODENDRON X `DELAWARE VALLEY WHITE` / DELAWARE VALLEY WHITE AZALEA	#5 CONT.	2-3` HT.	2-3` SPR.	3
	RRGL	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	5 GAL			61
	RR	ROSA X `RADRAZZ` / KNOCK OUT SHRUB ROSE	#3 CONT.	24-30" HT.	24-30" SPR.	12
	SM	SYRINGA MEYERI 'PALIBIN' / DWARF KOREAN LILAC	#3 CONT.	2-3` HT.	2-3` SPR.	25
EVERGREEN SHRUBS						
	IMM	ILEX X MESERVEAE `CHINA BOY` TM / CHINA BOY HOLLY	#7 CONT.	3-4` HT.	30-36" SP.	2
	IMF	ILEX X MESERVEAE `CHINA GIRL` TM / CHINA GIRL HOLLY	#7 CONT.	3-4` HT.	30-36" SP.	14
	JHB	JUNIPERUS HORIZONTALIS `BLUE CHIP` / BLUE CHIP JUNIPER	#3 CONT.	9-12" HT.	12-15" SP.	10
	PP2	PIERIS JAPONICA 'VALLEY VALENTINE' / VALLEY VALENTINE JAPANESE PIERIS	#3 CONT.	2-3` HT.	2-3` SPR.	4
	TL	THUJA OCCIDENTALIS 'LITTLE GIANT' / LITTLE GIANT ARBORVITAE	#3 CONT.	2-3` HT.	2-3` SPR.	10
GRASSES						
	CE2	CAREX OSHIMENSIS `EVERGOLD` / VARIEGATED JAPANESE SEDGE	#1 CONT.	9-12" HT.	9-12" SPR.	78
	PVH	PANICUM VIRGATUM `HEAVY METAL` / BLUE SWITCH GRASS	#3 CONT.	2-3` HT.	15-18" SPR.	12

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	QTY
SHRUB AREAS							
	JBH	JUNIPERUS HORIZONTALIS 'BAR HARBOR' / BAR HARBOR CREEPING JUNIPER	1 GAL@			24" o.c.	83
	RAGL	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	1 GAL@			24" o.c.	810

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	QTY
GROUND COVERS							
	CS3	CAREX PENSYLVANICA / PENNSYLVANIA SEDGE	SP4 CONT.			12" o.c.	1,647 SF

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

benesch
200 Glastonbury Boulevard, Suite 201
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P 860-633-8341
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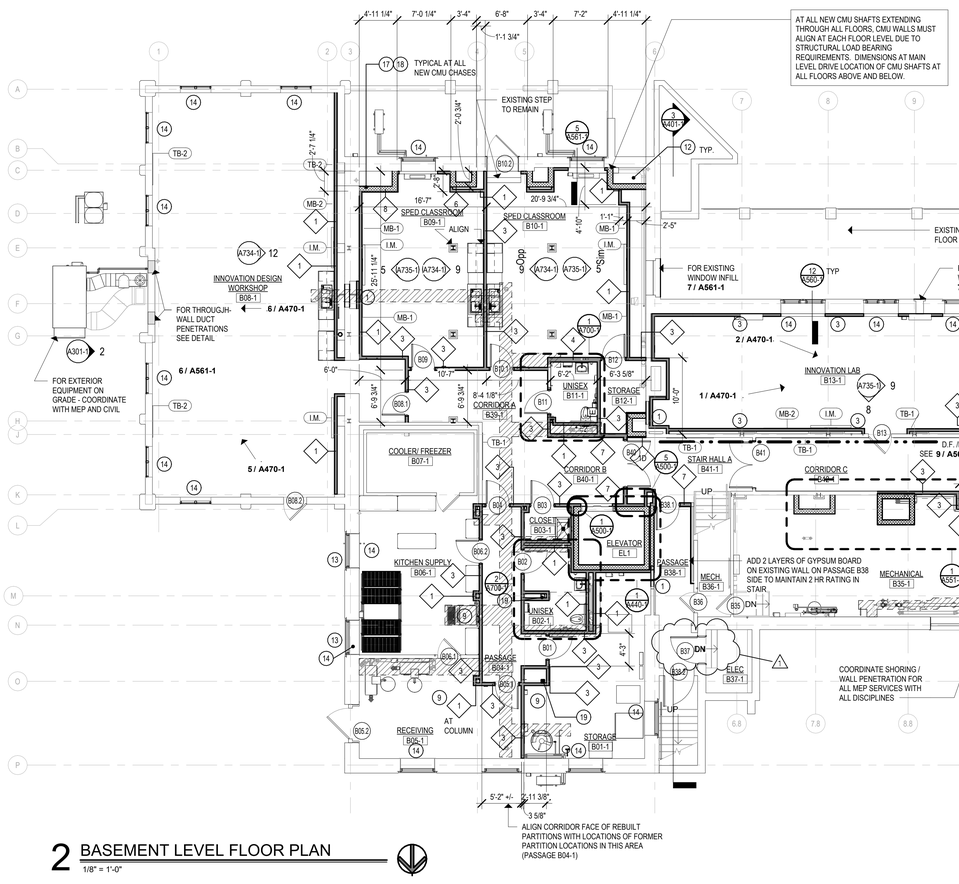
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	01/09/2026	TRS

Drawing Title: Planting Details
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

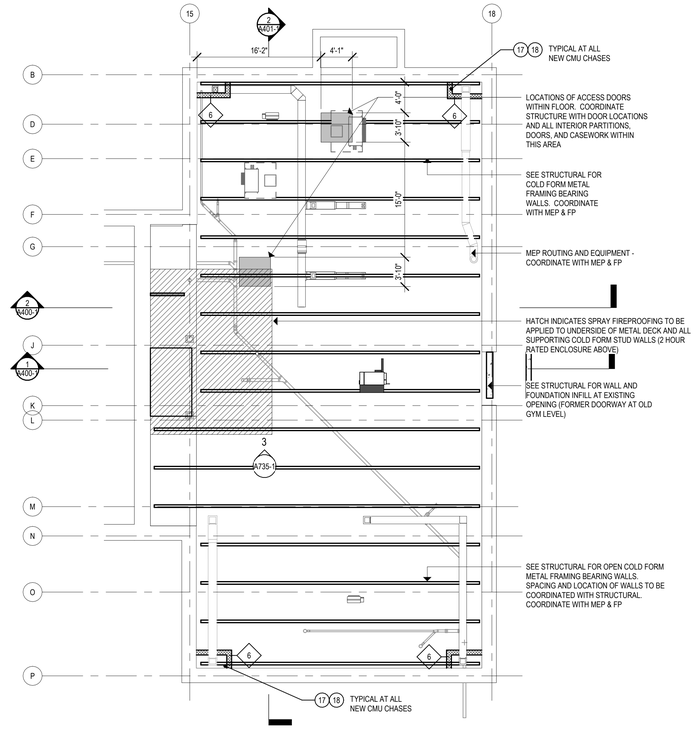
Date: AUGUST 12, 2025
Scale: AS SHOWN
Drawn By:
Project Number: 22.050

Drawing Number: C404



2 BASEMENT LEVEL FLOOR PLAN

1/8" = 1'-0"



1 CRAWL SPACE PLAN

1/8" = 1'-0"

NOTE:
COORDINATE ALL REMOVAL, DRILLING, OR CUTTING OF PLASTER (WALLS AND CEILINGS) WITHIN PROJECT SCOPE WITH ENVIRONMENTAL DRAWINGS. ALSO COORDINATE THE INSTALLATION OF NEW MATERIALS / ITEMS THAT REQUIRE DRILLING, REMOVAL, OR CUTTING OF EXISTING PLASTER WITH ENVIRONMENTAL.

SYMBOL LEGEND

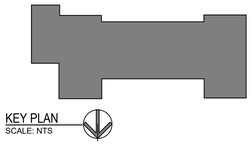
- NEW METAL STUD PARTITIONS
- NEW BRICK MASONRY WALL
- NEW CMU WALL
- 101 A - DOOR NUMBER
- 1i - WINDOW TYPE
- Room name 101 - ROOM NAME - ROOM NUMBER
- E3.0 - PARTITION TYPE
- X - CONSTRUCTION NOTE
- 2 A101 - EXTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 - INTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 - BUILDING SECTION NUMBER - SHEET NUMBER
- 2 A101 - WALL SECTION NUMBER - SHEET NUMBER
- 10' - 0" - SPOT ELEVATION
- WB-X - WHITEBOARD/TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE
- I.M. - INTERACTIVE MONITOR; SEE TECH./ ELEC DWGS
- 1 - TOILET FIXTURE / EQUIPMENT - ALSO SEE SHEET A700-1 FOR RELATED SCHEDULE
- A.E.D. - AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
- B.F. - BOTTLE FILLER / SINGLE DRINKING FOUNTAIN - SEE DETAIL - / ---
- D.F. / B.F. - HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER SEE DETAIL 9 / A560-1

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING G001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
5. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
6. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
7. CONTRACTOR TO PROVIDE ALL PENETRATIONS WITHIN WALLS, FLOOR, CEILINGS, ROOF ETC AS NECESSARY TO ACCOMMODATE 'WORK'. 'REFER TO ALL HAZARDOUS MATERIALS ABATEMENT PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COORDINATE ALL WORK WITH THE HAZARDOUS MATERIALS ABATEMENT CONTRACTOR.
8. WHERE NEW OPENINGS, TEMPORARY CUTOUTS, PENETRATIONS, OR WALL MOUNTED ITEMS HAVE BEEN ADDED TO EXISTING WALLS TO REMAIN CONTRACTOR SHALL PATCH / REPAIR THOSE WALLS TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
9. AT ALL INFILL LOCATIONS AT EXISTING PLASTER ON STRUCTURAL CLAY TILE WALLS - PROVIDE 3 COAT PLASTER ON CMU EACH SIDE. CMU TO MATCH THICKNESS OF EXIST STRUCTURAL CLAY TILE TO ALLOW FOR FLUSH FINISH EACH SIDE. FEATHER AND MATCH EXISTING PLASTER TEXTURE ON EACH SIDE.
10. COORDINATE ALL FIRE RATED / SMOKE RATED WALL / FLOOR PENETRATIONS WITH CODE PLANS AND MEP & FP.
11. FIELD COORDINATE ALL FINAL MEP CHASE / PENETRATION LOCATIONS AND DIMENSIONS WITH ALL STRUCTURAL MEMBERS AND OTHER OPENINGS SUCH AS DOORS AND WINDOWS. PROVIDE SEALANT AT ALL PENETRATIONS TO MINIMIZE SOUND TRANSFER. ALSO REFER TO CODE PLANS FOR COORDINATION OF RATED SEALANTS AT ALL RATED WALLS / FLOORS/ CEILINGS.
12. PROVIDE ACCESS PANELS AT ALL CHASES AND SOFFITS WHERE ACCESS TO CONTROLS, DAMPERS, ETC IS REQUIRED. COORDINATE WITH ALL DISCIPLINES.

CONSTRUCTION NOTES - PLAN

1	INFILL WITH CMU WITH PLASTER FACE EACH SIDE AT PRIOR DOOR OR OPENING LOCATION - MATCH EXISTING PLASTER FINISH
3	MATCH EXISTING PLASTER FINISH WHERE PARTITION HAS BEEN REMOVED
4	COORDINATE ALL NEW CORING AND OPENINGS THROUGH EXISTING FLOOR STRUCTURE WITH STRUCTURAL AND MEP
5	FAN COIL UNIT - COORDINATE WITH MEP, TYP ALL LOCATIONS
6	PROVIDE NEW PLASTER FINISH AT HEAD (NEW LINTEL) AND JAMBS TO MATCH EXISTING WHERE NEW OPENING HAS BEEN CREATED WITHOUT WOOD CASING.
7	PATCH AND REPAIR ALL EXISTING CHASSES THAT HAVE BEEN OPENED FORWORK WITHIN THIS PROJECT SCOPE
8	COORDINATE WITH STRUCTURAL FOR FLOORING INFILL AT PREVIOUS SHAFT
9	SLAB CUT AND TRENCH INFILL - COORDINATE WITH MEP - APPROXIMATE EXTENT SHOWN WITH HATCH
10	REINSTALLED EXISTING CHINA HUTCH
11	24" X 24" ACCESS PANEL FOR SPRINKLER VALVE - COORDINATE WITH MEP&FP
12	COORDINATE ALL FINAL CHASE DIMENSIONS WITH MEP & FP / ACTUAL CLEARANCE REQUIREMENTS
13	REPLACE GLAZING / MUNTINS TO MATCH REMAINDER OF WINDOW
14	PROVIDE ROLLER SHADE AT WINDOW - VERIFY ALL EXISTING WINDOW DIMENSIONS PRIOR TO ORDERING SHADES - SEE SCHEDULE OF FINISHES
15	48"x48" CRAWL SPACE FLOOR ACCESS DOUBLE DOOR. SEE DETAIL 1/A561-1. COORDINATE WITH MEP
16	PROVIDE LEVEL 3 BULLET RESISTANT PANEL WITH FINISHED GYPSUM BOARD ON UNSECURE SIDE (LOBBY). ALSO COORDINATE WITH CASEWORK.
17	COORDINATE ALL CMU SHAFT WALLS WITH STRUCTURAL
18	COORDINATE WITH STRUCTURAL FOR ALL FOOTING AT NEW CMU SHAFTS.
19	COORDINATE WITH STRUCTURAL FOR ALL NEW STEEL COLUMNS AND BEAMS FOR NEW KITCHEN EXHAUST DUCT SHAFT OPENING



Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
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203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 1 - BASEMENT LEVEL AND CRAWL SPACE FLOOR PLANS

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050

Drawing Number: A110-1

1/6/2026 10:54:47 AM

ENHANCED ACOUSTICS FOR CLASSROOMS (2nd Floor)

PER IBC 101.4.7, IEBC 503.16, & ICC A117.1 SECTION 808

(For classroom space with less than 10,000 cu. ft of volume)

ICC A117.1, SECTION 808.2.2 - PRESCRIPTIVE METHOD
(NRC ft x Sfloor)+(NRC cfg x Sclg)+(NRC wall x S wall) >= Volume/12
(Classroom 222-1 sampled):

Materials NRC ratings (typical in all classrooms):

Floor: Sheet Vinyl.....NRC= .03

Walls: GWB Painted.....NRC= .1

Walls: Plaster.....NRC= .05

Glass: .....NRC= .03

Ceiling: Acoustical tile....NRC= .75

Floor: 668 sf x .03= 20.04
Walls (gwb): 720 sf x .1= 72
Walls (plaster): 208 sf x .05= 10.4
Glass: 144 sf x .03= 4.32
Ceiling (ACT): 668 sf x .75= 501
Volume of room: (668 x 8)= 5,344 cu.ft.

Classroom with less than 10,000 cu.ft:
(20.64 + 72 + 10.4 + 4.32 + 501) >= (5,344 / 12)
607.76 > 445.33

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW BRICK MASONRY WALL
- NEW CMU WALL
- 101 A — DOOR NUMBER
- 1i — WINDOW TYPE
- Room name 101 — ROOM NAME / ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
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- 2 A101 — INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 A101 — BUILDING SECTION NUMBER / SHEET NUMBER
- 2 A101 — WALL SECTION NUMBER / SHEET NUMBER
- 10' - 0" — SPOT ELEVATION
- WB-X — WHITEBOARD/TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE
- I.M. — INTERACTIVE MONITOR; SEE TECH./ ELEC DWGS
- 1 — TOILET FIXTURE / EQUIPMENT - ALSO SEE SHEET A700-1 FOR RELATED SCHEDULE
- A.E.D. — AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- B.F. — BOTTLE FILLER / SINGLE DRINKING FOUNTAIN - SEE DETAIL **- / ---**
- D.F. / B.F. — HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER SEE DETAIL **9 / A560-1**

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CONSTRUCTION NOTES - PLAN

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3	MATCH EXISTING PLASTER FINISH WHERE PARTITION HAS BEEN REMOVED
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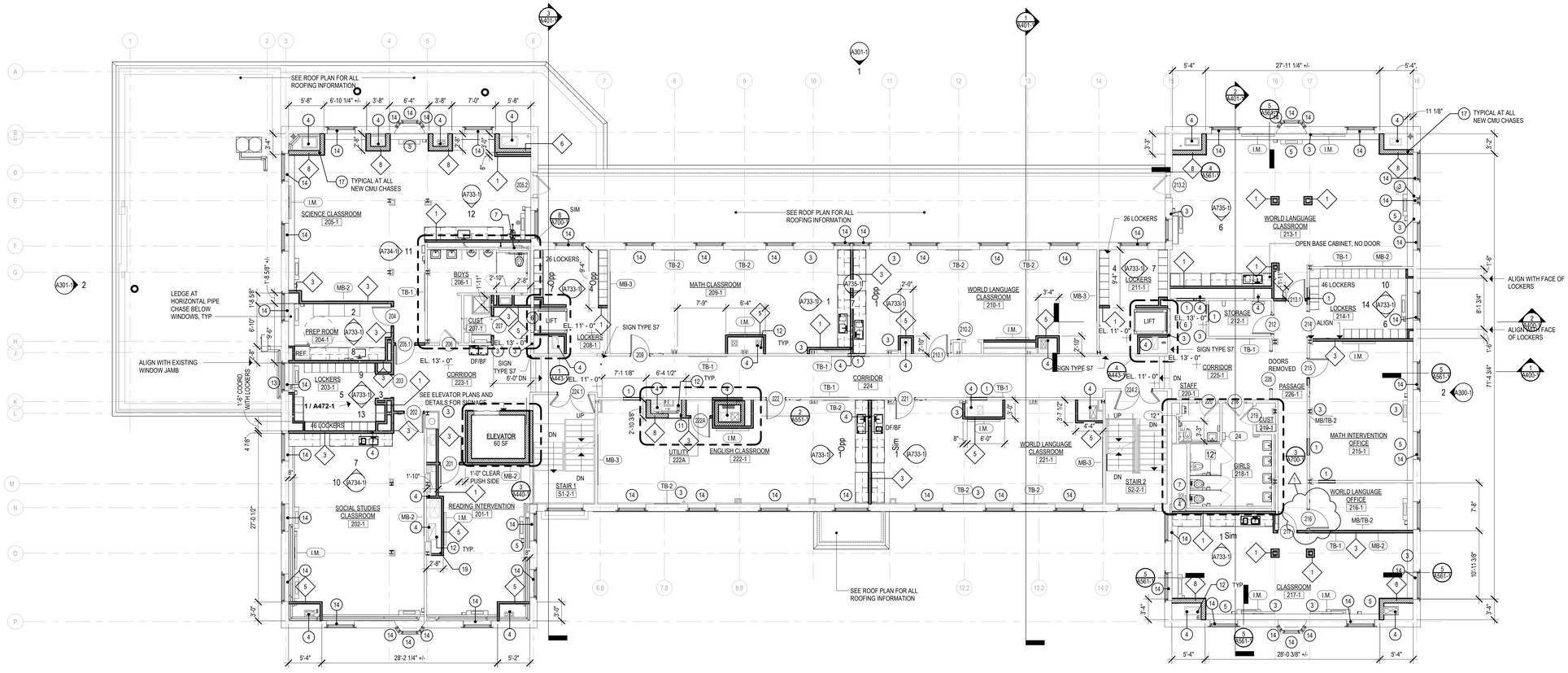
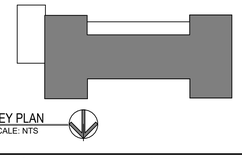
15	48"x48" CRAWL SPACE FLOOR ACCESS DOUBLE DOOR. SEE DETAIL 1/A561-1. COORDINATE WITH MEP
16	PROVIDE LEVEL 3 BULLET RESISTANT PANEL WITH FINISHED GYPSUM BOARD ON UNSECURE SIDE (LOBBY). ALSO COORDINATE WITH CASEWORK.
17	COORDINATE ALL CMU SHAFT WALLS WITH STRUCTURAL
18	COORDINATE WITH STRUCTURAL FOR ALL FOOTING AT NEW CMU SHAFTS.
19	COORDINATE WITH STRUCTURAL FOR ALL NEW STEEL COLUMNS AND BEAMS FOR NEW KITCHEN EXHAUST DUCT SHAFT OPENING



1 SECOND LEVEL FLOOR PLAN
1/8" = 1'-0"



Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 1 - SECOND LEVEL FLOOR PLAN

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050

Drawing Number: A130-1

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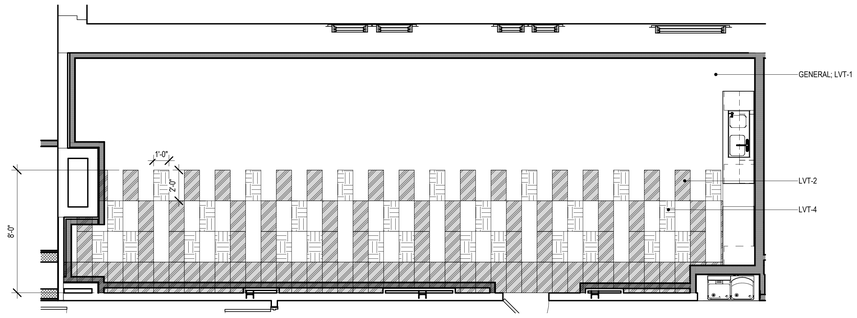
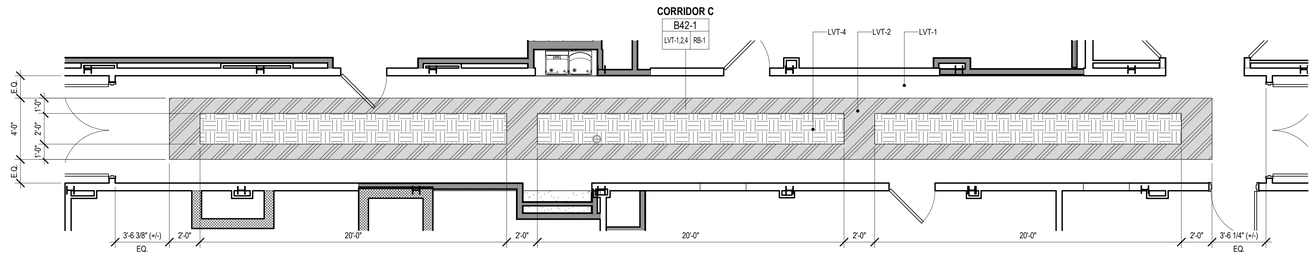
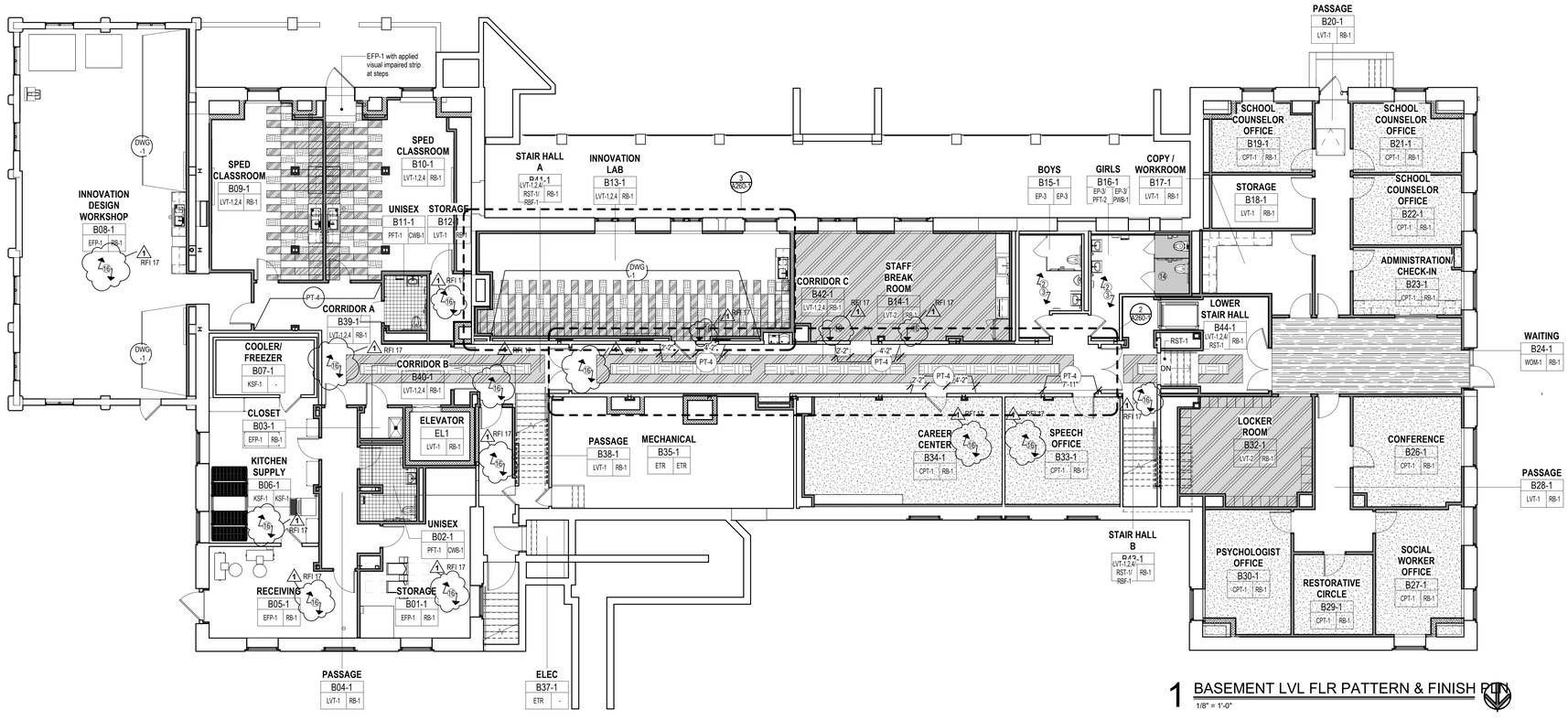


3 TYP. CLASSROOM FLOOR PATTERN
1/4" = 1'-0"



2 TYPICAL CORRIDOR FLOOR PATTERN
1/4" = 1'-0"



1 BASEMENT LVL FLR PATTERN & FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

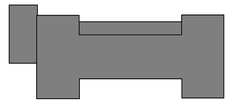
- CPT-1
- CPT-5
- EFP-1
- KSF-1
- LVT-1
- LVT-11
- LVT-2
- LVT-4
- PFT-1
- RST-1
- WF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED, OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH-IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
3. PROFESSIONALLY CLEAN EXISTING WALL TILE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
4. SAND AND REFINISH EXISTING WOOD FLOORING INCLUDING ANY STAIR RISERS; STAINED TO MATCH ARCHITECT'S SAMPLE.
5. PAINT BOOKSHELF INTERIOR BACK PANEL ONLY; PT-14.
6. SAND AND PREP EXISTING WOOD SILL AND TRIM FOR NEW PAINTED FINISH, TO BE PAINTED PT-12.
7. PREP WALL FOR NEW PAINT FINISH; SKIM COAT EXISTING WALL WITH A LAYER OF PLASTER FOR A SMOOTH AND CLEAN SURFACE.
8. SHADING INDICATES AREA OF WOOD FLOORING TO BE REPAIRED.
9. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS.; REFER TO FINISH SCHEDULE FOR NEW FINISHES.
10. PROVIDE WALL BASE TO MATCH EXISTING TILE BASE; WRAP AT EXPOSED WALLS.
11. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS INCLUDING WOOD BASE, WOOD WALL TRIM, AND WOOD CROWN MOULDING TO MATCH EXISTING PROFILES; PAINT TO MATCH
12. SEE FLOOR TRANSITION DETAIL FTS-7 ON A940-1.
13. SAND AND REFINISH WOOD FLOORING; CLEAR COAT.
14. PATCH IN AREA OF FLOORING TO MATCH EXISTING TILE AND PATTERN. ALIGN PATTERN TO EXISTING.
15. SKIM COAT EXISTING PLASTER WALL FOR A SMOOTH FINISH ACCEPTABLE BY MANUFACTURER OF DIGITAL WALL GRAPHIC.
16. REFER TO DETAIL 3/A940 FOR BASE. WHERE EXISTING PLASTER WALLS AND CEMENTITIOUS WALL BASE EXIST ASSUME THIS DETAIL RUNS THE ENTIRE LENGTH OF THE WALL FOR A CONTINUOUS BASE AT THE SAME THICKNESS.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

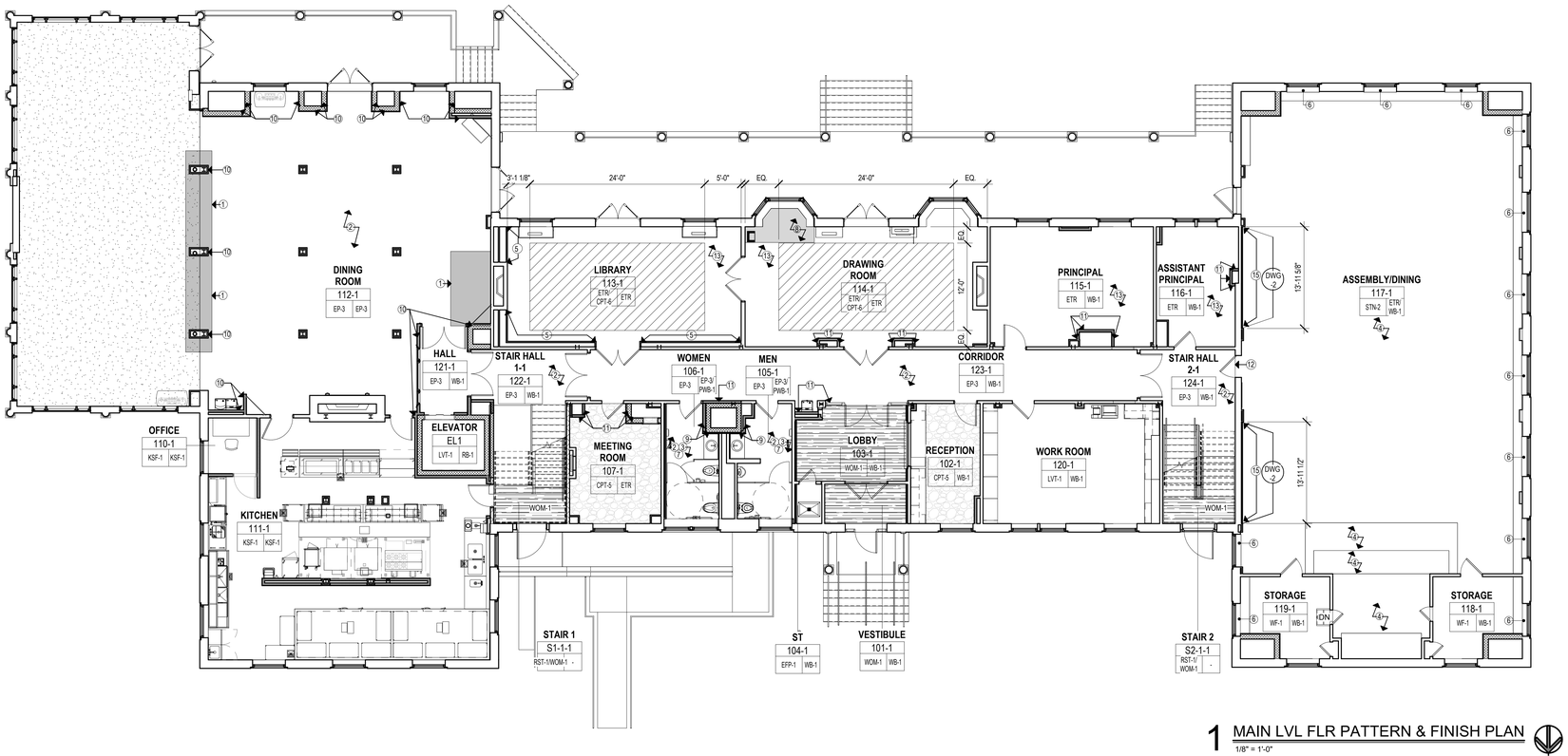
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 1 - BASEMENT LEVEL FLOOR PATTERN & FINISH PLAN
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A260-1

1/8/2026 11:53:04 AM



1 MAIN LVL FLR PATTERN & FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

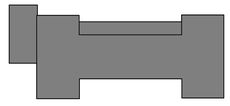
- CPT-1
- CPT-5
- EFP-1
- KSF-1
- LVT-1
- LVT-11
- LVT-2
- LVT-4
- PFT-1
- RST-1
- WF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED, OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
3. PROFESSIONALLY CLEAN EXISTING WALL TILE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
4. SAND AND REFINISH EXISTING WOOD FLOORING INCLUDING ANY STAIR RISERS; STAINED TO MATCH ARCHITECT'S SAMPLE.
5. PAINT BOOKSHELF INTERIOR BACK PANEL ONLY; PT-14.
6. SAND AND PREP EXISTING WOOD SILL AND TRIM FOR NEW PAINTED FINISH, TO BE PAINTED PT-12.
7. PREP WALL FOR NEW PAINT FINISH. SKIM COAT EXISTING WALL WITH A LAYER OF PLASTER FOR A SMOOTH AND CLEAN SURFACE.
8. SHADING INDICATES AREA OF WOOD FLOORING TO BE REPAIRED.
9. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS.; REFER TO FINISH SCHEDULE FOR NEW FINISHES.
10. PROVIDE WALL BASE TO MATCH EXISTING TILE BASE; WRAP AT EXPOSED WALLS.
11. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS INCLUDING WOOD BASE, WOOD WALL TRIM, AND WOOD CROWN MOULDING TO MATCH EXISTING PROFILES; PAINT TO MATCH
12. SEE FLOOR TRANSITION DETAIL FTS-7 ON A940-1.
13. SAND AND REFINISH WOOD FLOORING; CLEAR COAT.
14. PATCH IN AREA OF FLOORING TO MATCH EXISTING TILE AND PATTERN. ALIGN PATTERN TO EXISTING.
15. SKIM COAT EXISTING PLASTER WALL FOR A SMOOTH FINISH ACCEPTABLE BY MANUFACTURER OF DIGITAL WALL GRAPHIC.
16. REFER TO DETAIL 3/A940 FOR BASE. WHERE EXISTING PLASTER WALLS AND CEMENTITIOUS WALL BASE EXIST ASSUME THIS DETAIL RUNS THE ENTIRE LENGTH OF THE WALL FOR A CONTINUOUS BASE AT THE SAME THICKNESS.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 1 - MAIN LEVEL FLOOR PATTERN & FINISH PLAN

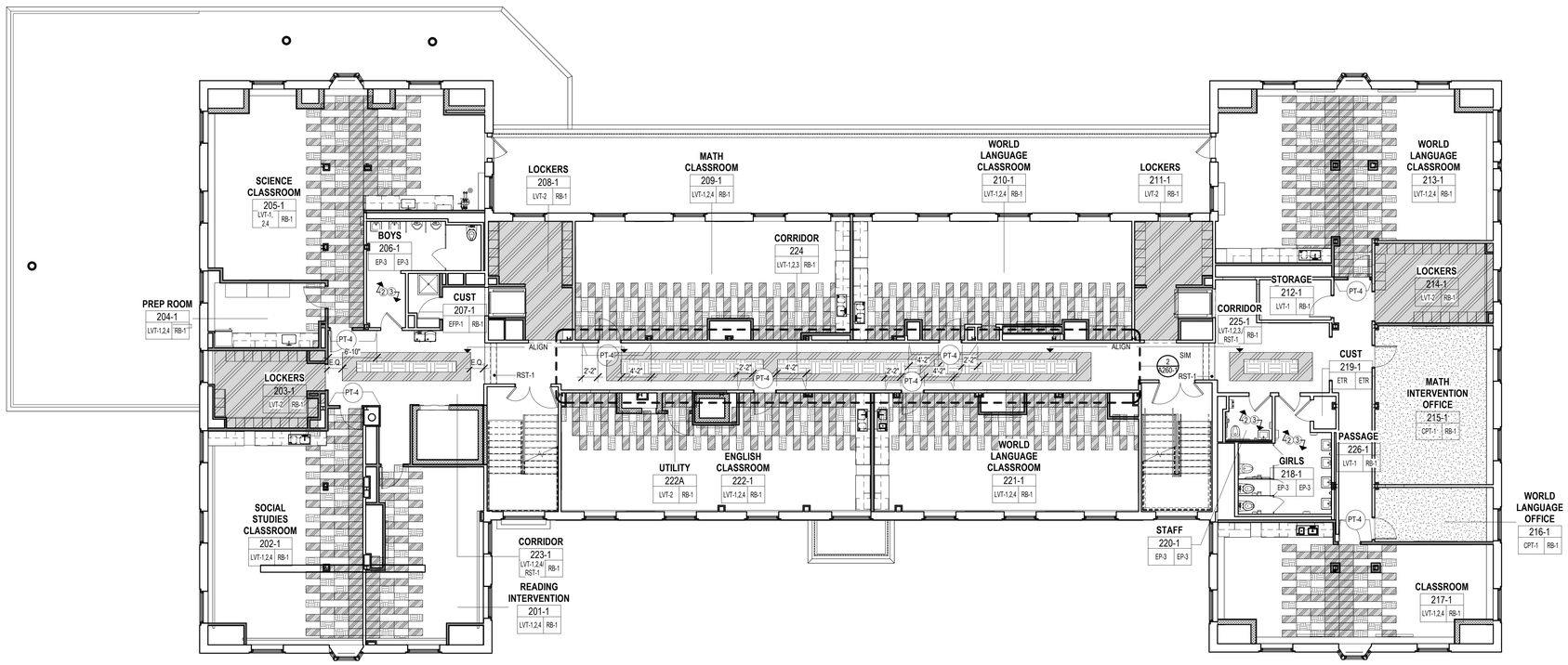
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A261-1

1/8/2026 11:53:07 AM



1 2ND LVL FLOOR PATTERN & FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- CPT-5
- EFP-1
- KSF-1
- LVT-1
- LVT-11
- LVT-2
- LVT-4
- PFT-1
- RST-1
- WF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED, OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM. RFI 11
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
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10. PROVIDE WALL BASE TO MATCH EXISTING TILE BASE; WRAP AT EXPOSED WALLS.
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12. SEE FLOOR TRANSITION DETAIL FTS-7 ON A940-1.
13. SAND AND REFINISH WOOD FLOORING; CLEAR COAT.
14. PATCH IN AREA OF FLOORING TO MATCH EXISTING TILE AND PATTERN. ALIGN PATTERN TO EXISTING.
15. SKIM COAT EXISTING PLASTER WALL FOR A SMOOTH FINISH ACCEPTABLE BY MANUFACTURER OF DIGITAL WALL GRAPHIC.
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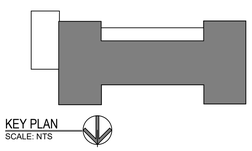


KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 1 - SECOND LEVEL FLOOR PATTERN & FINISH PLAN

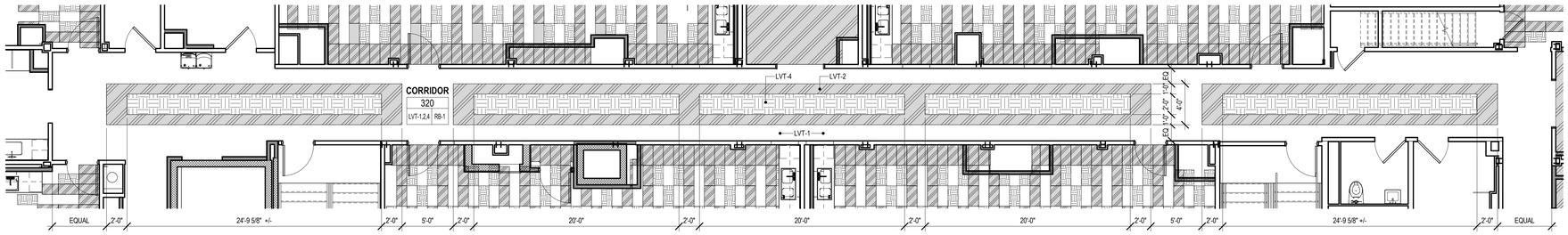
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

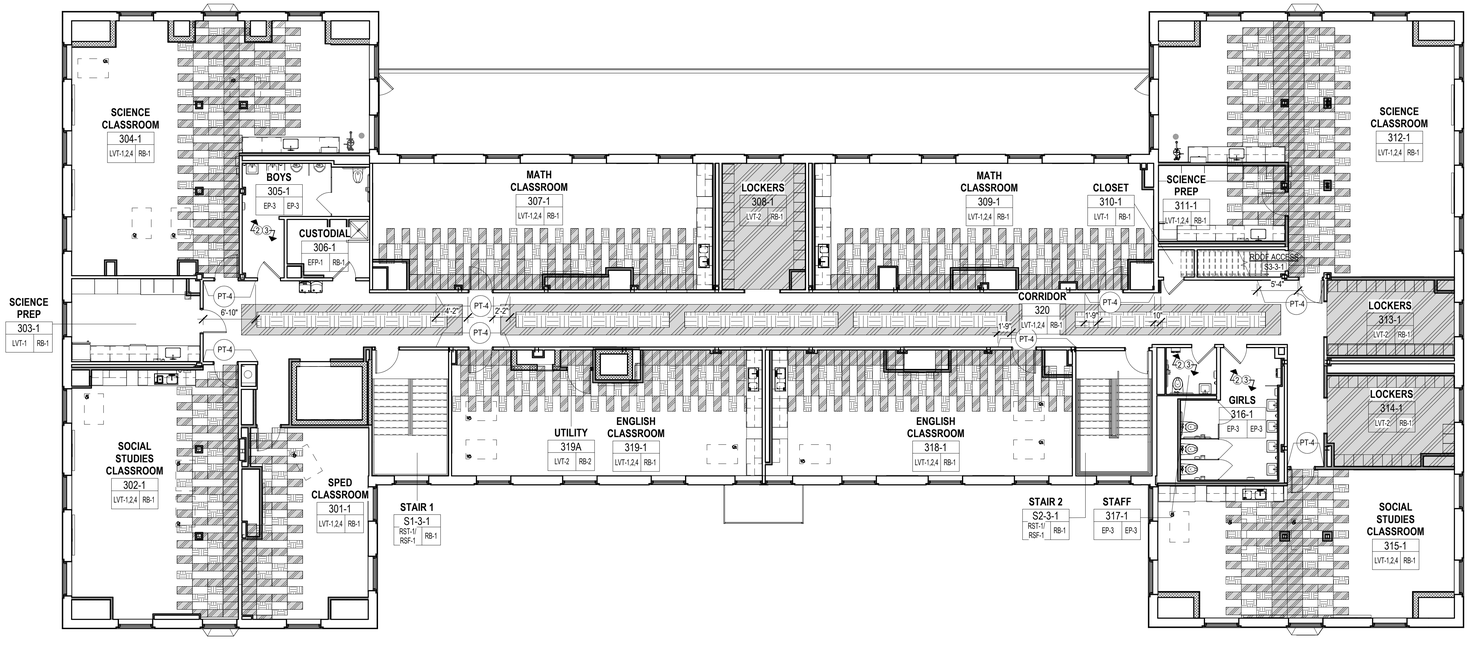
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A262-1

1/8/2026 11:53:11 AM



2 ENLARGED CORRIDOR FLOOR PATTERN
3/16" = 1'-0"



1 THIRD LVL FLR PATTERN & FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- CPT-5
- EFP-1
- KSF-1
- LVT-1
- LVT-11
- LVT-2
- LVT-4
- PFT-1
- RST-1
- WF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
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H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
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O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
3. PROFESSIONALLY CLEAN EXISTING WALL TILE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
4. SAND AND REFINISH EXISTING WOOD FLOORING INCLUDING ANY STAIR RISERS; STAINED TO MATCH ARCHITECT'S SAMPLE.
5. PAINT BOOKSHELF INTERIOR BACK PANEL ONLY; PT-14.
6. SAND AND PREP EXISTING WOOD SILL AND TRIM FOR NEW PAINTED FINISH, TO BE PAINTED PT-12.
7. PREP WALL FOR NEW PAINT FINISH; SKIM COAT EXISTING WALL WITH A LAYER OF PLASTER FOR A SMOOTH AND CLEAN SURFACE.
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11. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS INCLUDING WOOD BASE, WOOD WALL TRIM, AND WOOD CROWN MOULDING TO MATCH EXISTING PROFILES; PAINT TO MATCH
12. SEE FLOOR TRANSITION DETAIL FTS-7 ON A940-1.
13. SAND AND REFINISH WOOD FLOORING; CLEAR COAT.
14. PATCH IN AREA OF FLOORING TO MATCH EXISTING TILE AND PATTERN. ALIGN PATTERN TO EXISTING.
15. SKIM COAT EXISTING PLASTER WALL FOR A SMOOTH FINISH ACCEPTABLE BY MANUFACTURER OF DIGITAL WALL GRAPHIC.
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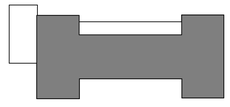


KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 1 - THIRD LEVEL FLOOR PATTERN & FINISH PLAN

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date:
AUGUST 12, 2025

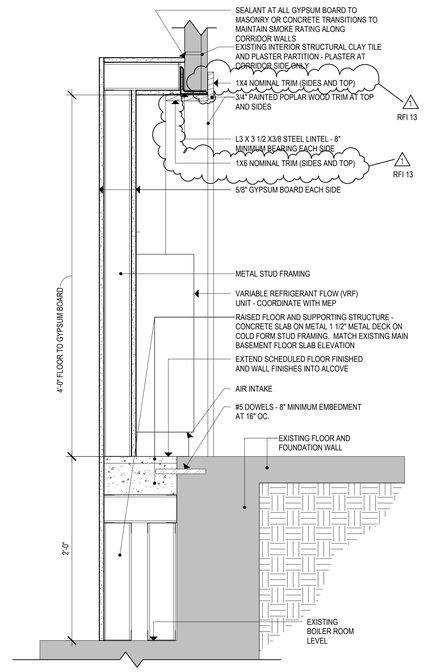
Scale:
As indicated

Drawn By:
KD

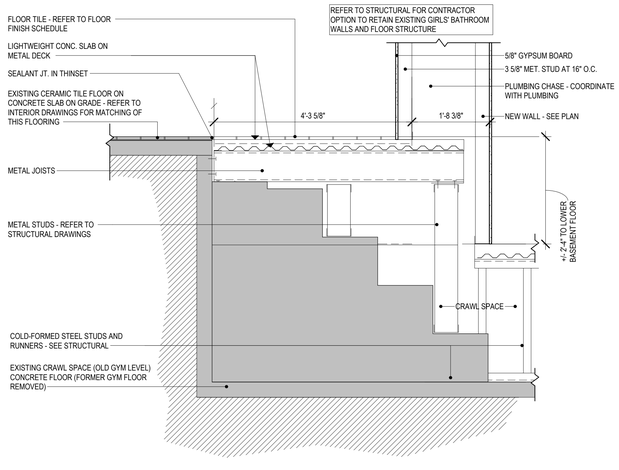
Project Number:
22.050

Drawing Number:
A263-1

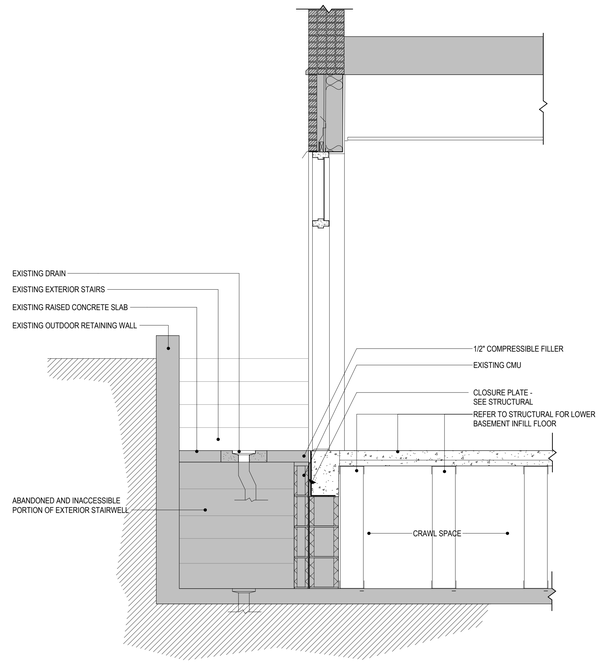
1/8/2026 11:53:18 AM



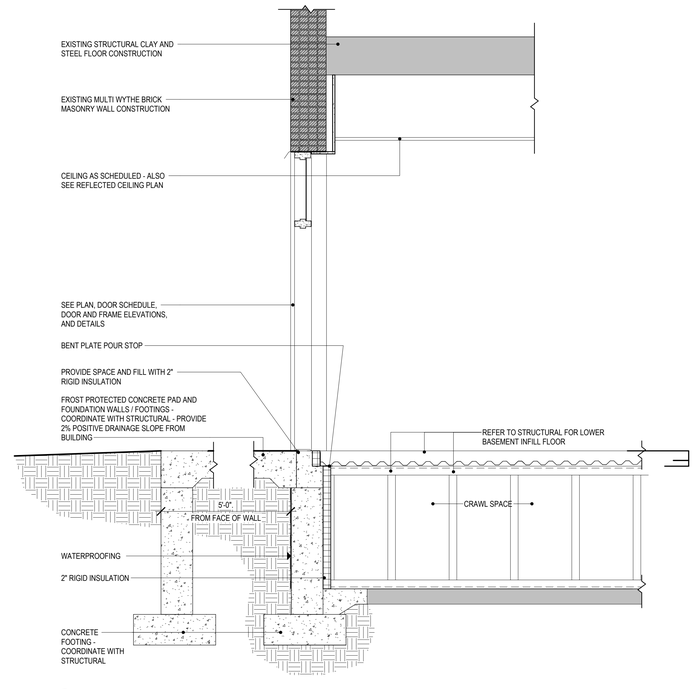
4 SECTION DETAIL AT VRF - BASEMENT
1 1/2" = 1'-0"



1 INFILL FLOOR DETAIL BELOW EXISTING RESTROOM
3/4" = 1'-0"



2 INFILL FLOOR DETAIL AT SOUTH EXTERIOR DOOR
3/4" = 1'-0"



3 INFILL FLOOR DETAIL AT WEST EXTERIOR DOOR
3/4" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

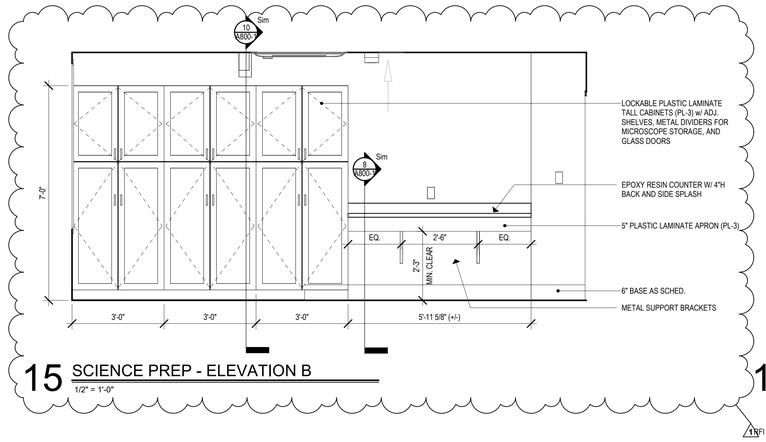
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

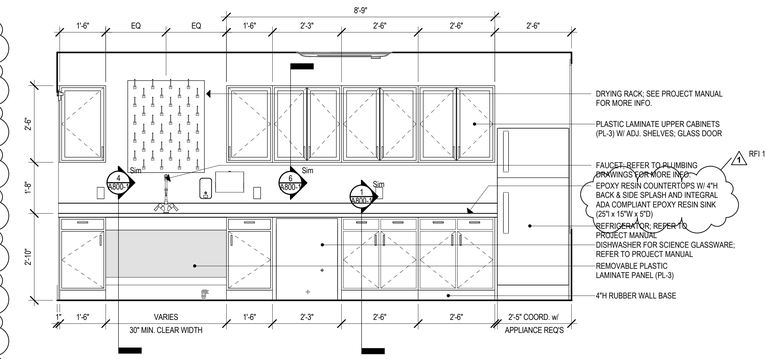
Drawing Title: BUILDING 1 - SECTION DETAILS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050
Drawing Number: A550-1

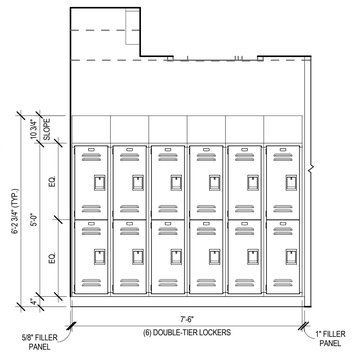
1/6/2026 2:59:07 PM



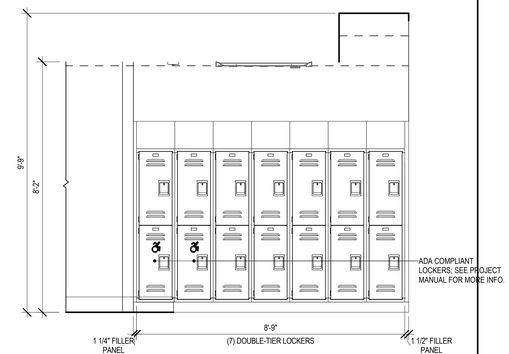
15 SCIENCE PREP - ELEVATION B
1/2" = 1'-0"



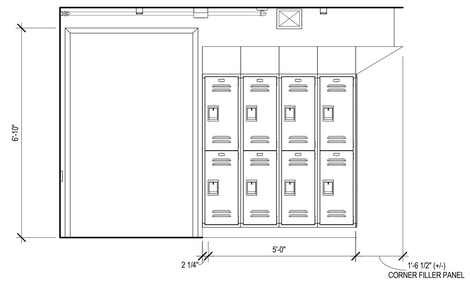
11 SCIENCE PREP - ELEVATION A
1/2" = 1'-0"



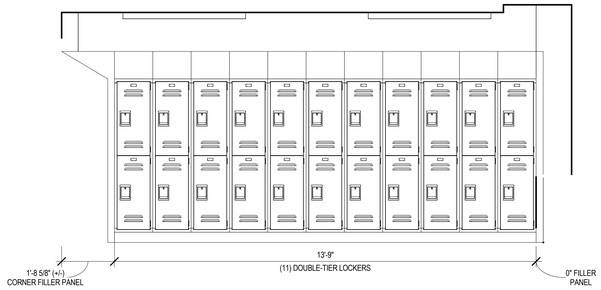
7 LOCKERS 211-1 - ELEVATION B
1/2" = 1'-0"



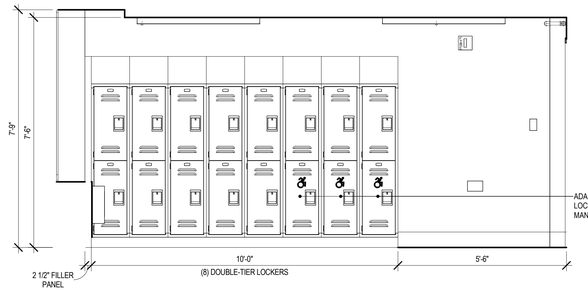
4 LOCKERS 211-1 - ELEVATION A
1/2" = 1'-0"



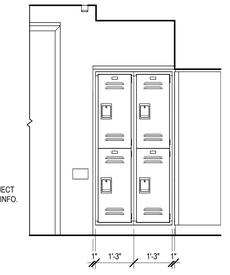
14 LOCKERS 214-1 - ELEVATION B
1/2" = 1'-0"



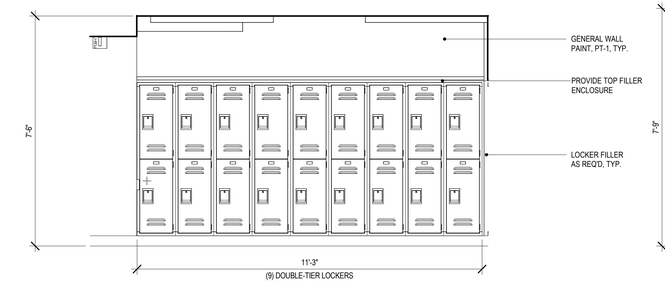
10 LOCKERS 214-1 - ELEVATION A
1/2" = 1'-0"



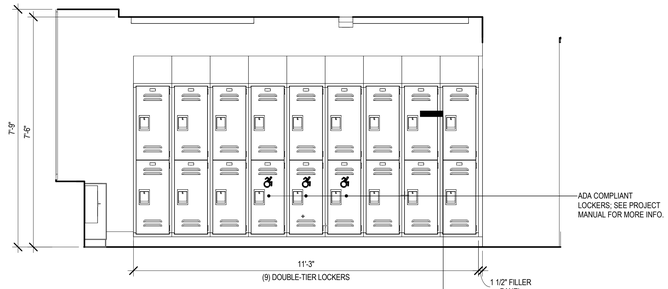
6 LOCKERS 214-1 - ELEVATION C
1/2" = 1'-0"



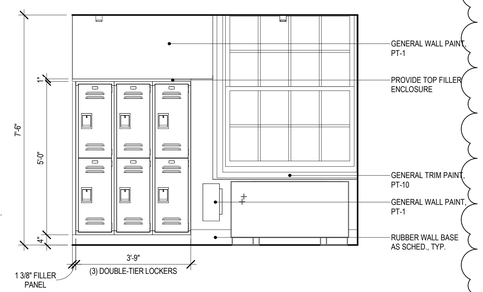
3 LOCKER 203-1 - ELEVATION D
1/2" = 1'-0"



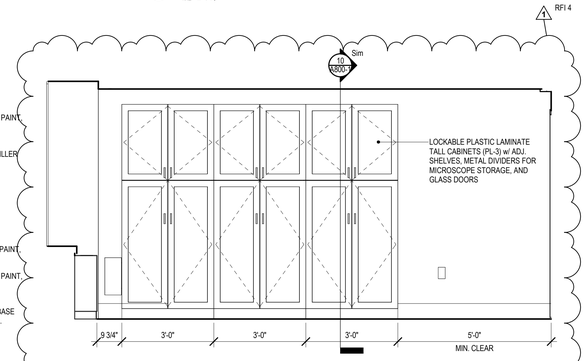
13 LOCKERS 203-1- ELEVATION C
1/2" = 1'-0"



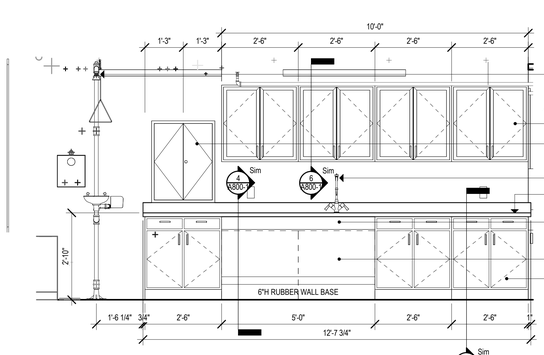
9 LOCKERS 203-1- ELEVATION B
1/2" = 1'-0"



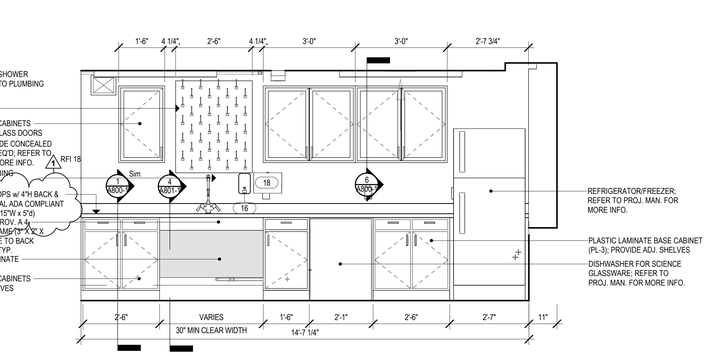
5 LOCKERS 203-1- ELEVATION A
1/2" = 1'-0"



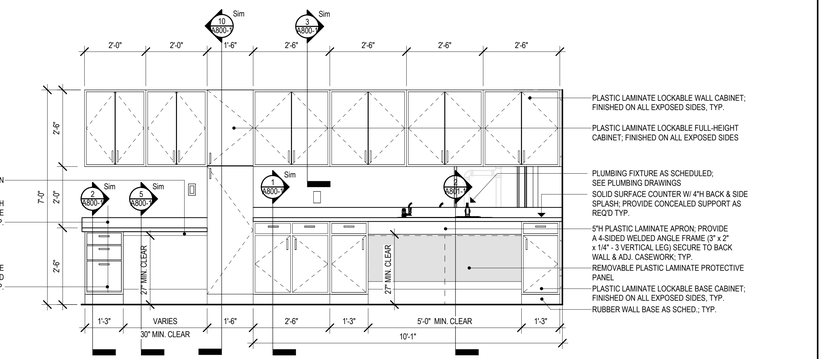
2 PREP ROOM 204-1 - ELEVATION B
1/2" = 1'-0"



12 TYP. SCIENCE CLASSROOM CASEWORK
1/2" = 1'-0"



8 TYP. PREP ROOM CASEWORK - ELEVATION A
1/2" = 1'-0"



1 TYP. CLASSROOM CASEWORK WALL
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

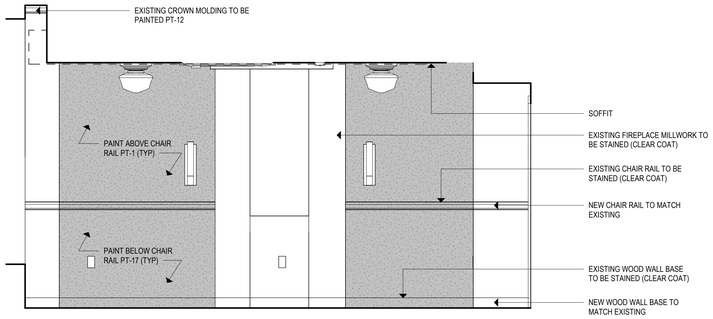
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 1 - INTERIOR ELEVATIONS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

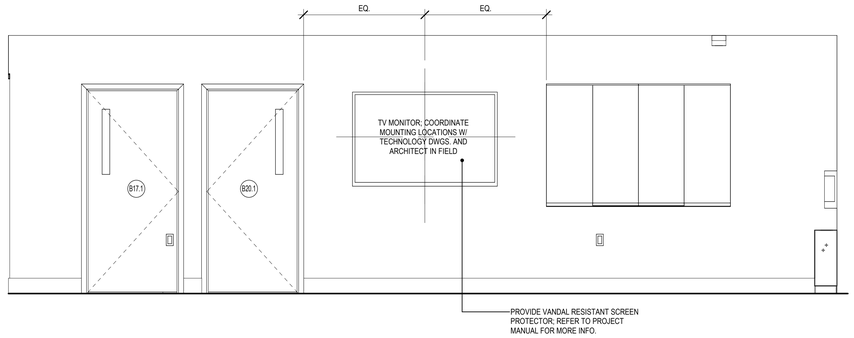
Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD
Project Number: 22.050
Drawing Number: A733-1

1/8/2026 12:27:27 PM



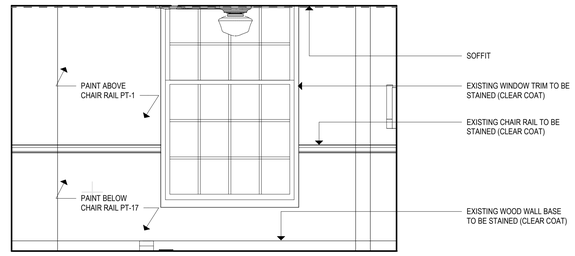
4 MEETING ROOM 107-1 ELEV D

1/2" = 1'-0" REFERENCE: 1/ A120-1



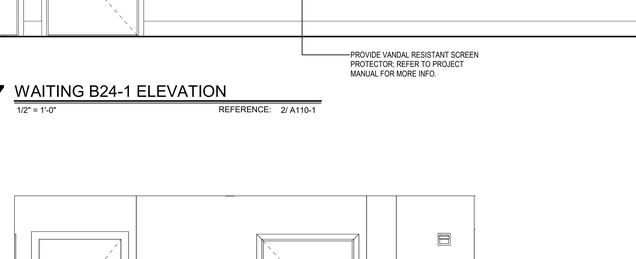
7 WAITING B24-1 ELEVATION

1/2" = 1'-0" REFERENCE: 2/ A110-1



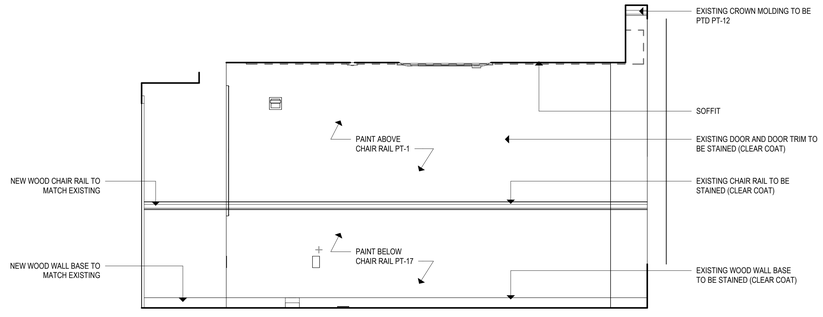
3 MEETING ROOM 107-1 ELEV C

1/2" = 1'-0" REFERENCE: 1/ A120-1



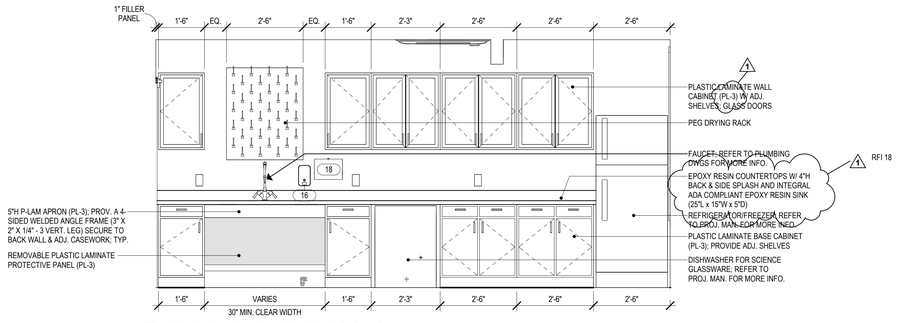
6 SCIENCE CLASSROOM 312-1 ELEVATION

1/2" = 1'-0" REFERENCE: 1/ A140-1



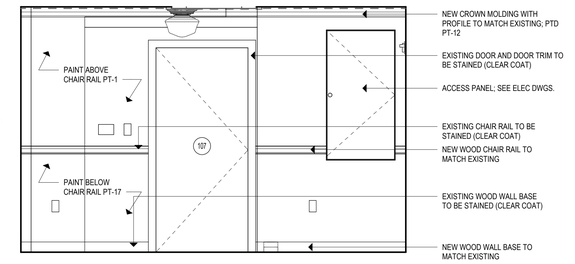
2 MEETING ROOM 107-1 ELEV B

1/2" = 1'-0" REFERENCE: 1/ A120-1



5 THIRD LEVEL PREP ROOMS

1/2" = 1'-0" REFERENCE: 1/ A140-1



1 MEETING ROOM 107-1 ELEV A

1/2" = 1'-0" REFERENCE: 1/ A120-1

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 1 - INTERIOR ELEVATIONS

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025

Scale: 1/2" = 1'-0"

Drawn By: SM

Project Number: 22.050

Drawing Number: A736-1

1/8/2026 12:27:28 PM

DOOR SCHEDULE - BASEMENT LEVEL

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A920	SIGNAGE TEXT	REMARKS
B01	B01-1	B04-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	-		•					•	•	•	•				•	•	•		S1, S14	STORAGE/ CO DETECTORS LOCATED INSIDE THIS SPACE	
B02	B04-1	B02-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	B	-					•		•		•			•	•	•	S4	STAFF UNISEX RESTROOM	
B03	B03-1	B40-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	CLOSET	
B04	B04-1	B40-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	TO RECEIVING	
B05.1	B04-1	B05-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	RECEIVING	
B05.2	B05-1				4' - 0"	6' - 8"	EX	EX	PT		EX	EX	PT	EX	EX	-																	S8	EXIT	8
B06.1	B05-1	B06-1			3' - 0"	6' - 8"	EX	EX	PT		EX	EX	PT	EX	EX	-																	S1	KITCHEN SUPPLY	
B06.2	B04-1	B06-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	-								•	•	•				•	•	•	S1	KITCHEN SUPPLY	
B08.1	B39-1	B08-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	INNOVATION DESIGN WORKSHOP	
B08.2	B08-1				3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-																	S8	EXIT	
B09	B39-1	B09-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	SPECIAL EDUCATION CLASSROOM	
B10.1	B10-1	B39-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	SPECIAL EDUCATION CLASSROOM	
B10.2	B10-1				4' - 0"	6' - 4"	EX	EX	PT	5	EX	EX	PT	EX	EX	-	-					•											S1	EXIT	6
B11	B11-1	B39-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B		•						•		•				•	•	•	S5	UNISEX RESTROOM	
B12	B12-1	B10-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	STORAGE	
B13	B42-1	B13-1			3' - 0"	6' - 8"	EX	EX	EX	EX	EX	EX	PT	EX	EX	-		•															S1	INNOVATION LAB	
B14	B42-1	B14-1			3' - 0"	6' - 8"	EX	EX	EX	EX	EX	EX	PT	EX	EX	-		•															S1	STAFF BREAK ROOM	
B15	B42-1	B15-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-		•															S3	BOYS' RESTROOM	
B16	B42-1	B16-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-		•															S2	GIRLS' RESTROOM	
B17.1	B17-1	B24-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	COPY ROOM	
B17.2	B20-1	B17-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S4	STAFF UNISEX RESTROOM	
B18	B20-1	B18-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	COPY ROOM	
B19	B20-1	B19-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	STORAGE	
B20.1	B24-1	B20-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	SCHOOL COUNSELOR OFFICE	
B20.2	B20-1				3' - 0"	7' - 0"	EX	EX	PT	EX	EX	EX	PT	EX	EX	-	EX					•											S1	GUIDANCE CENTER	
B21	B21-1	B20-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	EXIT	EXTERIOR, 6
B22	B20-1	B22-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	SCHOOL COUNSELOR OFFICE	
B23	B20-1	B23-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	ADMINISTRATION	
B24		B24-1			3' - 0 3/4"	7' - 0"	4	AL	FF	10	L	AL	FF	AL-6	AL-6	A	10					•	•	•	•	•							S8	EXIT	1, 2, 4, 8
B26	B26-1	B28-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	CONFERENCE ROOM	
B27	B27-1	B28-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	SOCIAL WORKER	
B28	B24-1	B28-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	COUNSELING CENTER	
B29	B28-1	B29-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	RESTORATIVE CIRCLE	
B30	B28-1	B30-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	PSYCHOLOGIST	
B32	B32-1	B24-1			4' - 6"	6' - 8"	-	-	-	-	J	HM	PT	HM-8	HM-8	-	-					•											S1	LOCKERS	CASED OPENING
B33	B42-1	B33-1			3' - 0"	6' - 8"	1	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-								•		•				•	•	•	S1	SPEECH OFFICE	
B34	B42-1	B34-1			3' - 0"	6' - 8"	EX	EX	EX	EX	EX	EX	PT	EX	EX	-		•															S1	CAREER CENTER	
B35	B35-1	B36-1			2' - 8"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S1	MECHANICAL ROOM	
B36	B36-1	B38-1			2' - 8"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S1	MECHANICAL ROOM / UTILITY	
B37	B37-1	B38-1			3' - 6"	6' - 8"	1	HM	PTD		A	HM	PT	HM-7	HM-7							•		•		•				•	•	•	S1	ELECTRICAL	
B38.1	B41-1	B38-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-2	HM-2				•			•		•		•				•	•	•	S1	MECHANICAL ROOM / UTILITY	
B38.2	B38-1				4' - 0"	6' - 8"	5	FRP	FF	10	H	AL	FF	AL-2	AL-2	A	-					•	•	•		•				•	•	•	S1	EXIT	4
B40	B40-1	B41-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	HM	PT	HM-2	HM-2	-			•			•	•	•		•				•	•	•	S1	STAIR / EXIT	
B41	B42-1	B41-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	EX	PT	EX	EX	-	-		•			•	•	•		•				•	•	•	S1	STAIR / EXIT	3
B43	B42-1	B43-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	EX	PT	EX	EX	-	-		•			•	•	•		•				•	•	•	S1/ S6	EXIT / STAIR / LIFT	3
B44	B24-1	B44-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	HM	PT	HM-2	HM-2	-			•			•	•	•		•				•	•	•	S1/ S6	EXIT / STAIR / LIFT	

DOOR SCHEDULE - MAIN LEVEL

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A920	SIGNAGE TEXT	REMARKS
101		101-1			3' - 0"	7' - 0"	4	AL	FF	23	K	AL	FF	AL-4	AL-4	A	23					•	•	•	•	•	•					•	S1/S2 2	EXIT/ (SEE SIGN DETAIL)	BLAST RESISTANT 1, 4, 8, 9
102	123-1	102-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-5	HM-5	-						•		•		•			•	•	•	S1	RECEPTION	
103	103-1	101-1			5' - 8"	6' - 8"	EX	EX	EX	EX	EX	EX	EX	EX	EX		EX					•															
103A	103-1	123-1	•		6' - 0"	7' - 0"	4	AL	FF	7	L	AL	FF	AL-5	AL-5	A	7					•	•	•	•	•			•								BALLISTIC RATED 1, 4, 8, 9, 11
104	104-1	103-1			2' - 4"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX			•															S1	CUSTODIAN	
105	123-1	105-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX			•															S3	MEN'S RESTROOM	
106	123-1	106-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX			•															S2	WOMEN'S RESTROOM	
107	123-1	107-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX			•															S1	MEETING ROOM	
110	110-1	111-1			3' - 0"	6' - 8"	7	HM	PT	2	A	HM	PT	HM-1	HM-1	-	-					•		•		•			•	•	•	S1	KITCHEN OFFICE	
111.1	112-1	111-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-					•		•		•			•	•	•	S1	SERVERY	
111.2	112-1	111-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-					•		•		•			•	•	•	S1	SERVERY	
111.3	111-1	S1-1-1			3' - 0"	6' - 8"	2	WD	ST/CLR	6	A	HM	PT	HM-3	HM-3	A			•					•		•				•	•	•	S1/S8	KITCHEN/EXIT	1 SIGNS ON BOTH SIDES
112.1	112-1	121-1	•		6' - 0"	8' - 0"	3	WD	ST/CLR	2	E	HM	PT	HM-6	HM-6	-						•	•	•	•	•			•	•	•	S1/S8	DINING HALL/EXIT RFI 16	1 SIGNS ON BOTH SIDES
112.2	112-1		•		6' - 2 3/16"	10' - 0"	EX	EX	EX		EX	EX	EX	EX	EX							•	•	•	•				•	•	•	S1	EMERGENCY EXIT ONLY	REPLACE PANIC CROSSBARS IN KIND
112.3	112-1		•		6' - 2 3/16"	10' - 0"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	NOT AN EXIT/ TERRACE	DOOR TO REMAIN NON OPERATIONAL
112.4	112-1		•		6' - 2 3/16"	10' - 0"	EX	EX	EX		EX	EX	EX	EX	EX	EX						•	•	•		•				•	•	S1/S8	EXIT/ TERRACE	PANIC CROSSBAR ONLY AT ACTIVE LEAF
113.1	113-1	123-1	•		6' - 0"	8' - 0"	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX		•															S1	LIBRARY	
113.2	114-1	113-1	•		6' - 0"	8' - 0"	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX						•											S1	TERRACE	
113.3	113-1		•		6' - 2 3/16"	10' - 0"	EX	EX	EX		EX	EX	EX	EX	EX	EX						•											S1	NOT AN EXIT	
114.1	114-1	123-1	•		6' - 0"	8' - 0"	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX		•															S1	DRAWING ROOM	
114.2	114-1		•		6' - 2 3/16"	10' - 0"	EX	EX	EX		EX	EX	EX	EX	EX	EX						•											S1	NOT AN EXIT	RFI 16
115	123-1	115-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-5	HM-5	EX						•		•		•			•	•	•	S1	PRINCIPAL	13
116	124-1	116-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX				•														S1	ASSISTANT PRINCIPAL	
117.1	117-1	124-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX				•														S1	ASSEMBLY HALL / DINING ROOM	
117.2	117-1				3' - 8"	8' - 0"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	TERRACE	
118.1	118-1	117-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	STORAGE	REPLACE BROKEN CLOSER
118.2	118-1	117-1			2' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	STORAGE	
118.3	117-1	118-1			2' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	CLOSET	
119.1	119-1	117-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	STORAGE	REPLACE BROKEN CLOSER
119.2	119-1	117-1			2' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	STORAGE	
119.3	117-1	119-1			2' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX							•											S1	CLOSET	RFI 15
120	123-1	120-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	EX	EX	EX			•															S1	WORK ROOM	13
121	121-1	122-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	HM	PT	HM-2	HM-2	-			•				•	•	•	•				•	•	•	S8	EXIT	13
121.1	S1-1-1				4' - 0"	6' - 4"	4	AL	FF	10	EX	PT	EX	EX	EX	EX	-					•	•	•	•	•				•	•	•	S8	EXIT	2, 3, 4, 8, 9
121.2	123-1	122-1	•		6' - 0"	7' - 0"	6	WD	ST/CLR	6	B	EX	PT	EX	EX	-	-		•			•	•	•	•	•				•	•	•	S16	EXIT / STAIR	
121.4	123-1	124-1	•		6' - 0"	6' - 8"	6	WD	ST/CLR	6	B	EX	PT	EX	EX	-	-		•			•	•	•	•	•				•	•	•	S16	EXIT / STAIR	
121.5	S2-1-1				4' - 0"	6' - 8"	4	AL	FF	10	EX	EX	EX	EX	EX	EX	EX					•	•	•	•	•				•	•	•	S1	EXIT	2, 3, 4, 8

NOTE:

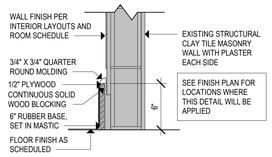
AT EXISTING EXTERIOR FRENCH DOORS WITHIN DINING ROOM THAT FUNCTION AS EXITS. COORDINATE ALL NEW REPLACEMENT HARDWARE (PANIC HARDWARE, CLOSERS, FLUSH BOLTS ETC) WITH EXISTING DOOR AND FRAME CONDITIONS. VERIFY IN FIELD COMPATIBILITY OF ALL NEW REPLACEMENT HARDWARE WITH EXISTING DOORS. PROVIDE MOCKUP AT A SINGLE SET OF DOORS TO CONFIRM FUNCTIONALITY OF REPLACEMENT HARDWARE PRIOR TO COMPLETING ALL OTHER SIMILAR DOORS

DOOR SCHEDULE - SECOND LEVEL

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A920	SIGNAGE TEXT	REMARKS
201	223-1	201-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	READING INTERVENTION	
202	223-1	202-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	CLASSROOM	
203	203-1	223-1			3' - 6"	6' - 8"	-	-	-	-	J	HM	PT	HM-8	HM-8	-	-					•											S1	LOCKERS	CASED OPENING
204	204-1	205-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	PREP ROOM	
205.1	223-1	205-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	CLASSROOM	
205.2	205-1				3' - 0"	6' - 8"	EX	EX	PT		EX	EX	PT	EX	EX	D						•											S1	NOT AN EXIT	
206	223-1	206-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S3	BOYS' RESTROOM	
207	223-1	207-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	CUSTODIAN	
209	224	209-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-					•		•		•				•	•	•	S1	CLASSROOM	
210.1	210-1	224			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-					•		•		•				•	•	•	S1	CLASSROOM	
210.2		210-1			2' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S1	CLOSET	
212	226-1	212-1			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	STORAGE	
213.1	226-1	213-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	CLASSROOM	
213.2	213-1				3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	D						•											S1	NOT AN EXIT	
214	226-1	214-1			4' - 0"	6' - 8"	-	-	-	-	J	HM	PT	HM-9	HM-9	-	-					•											S1	LOCKERS	CASED OPENING
215	226-1	215-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-		•						•		•				•	•	•	S1	MATH INTERVENTION OFFICE	
216	226-1	216-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-		•						•		•				•	•	•	S1	WORLD LANGUAGE OFFICE	
217	217-1	226-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	CLASSROOM	
218	225-1	218-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S2	GIRLS' RESTROOM	
219	219-1	218-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S1	CUSTODIAN	
220	225-1	220-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S4	STAFF UNISEX RESTROOM	
221	221-1	224			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-						•		•		•				•	•	•	S1	CLASSROOM	
222	222-1	224			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-						•		•		•				•	•	•	S1	CLASSROOM	
222A	222-1	222A			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	-						•		•		•				•	•	•	S1	UTILITY	
224.1	224	S1-2-1		•	5' - 0"	6' - 6"	6	WD	ST	6	EX	EX	PT	EX	EX	EX	-		•					•	•	•				•	•	•	S16	EXIT / STAIR	3
224.2	S2-2-1	224		•	5' - 0"	6' - 6"	6	WD	ST	6	EX	EX	PT	EX	EX	EX	-		•					•	•	•				•	•	•	S16	EXIT / STAIR	3
226	226-1	225-1			6' - 0"	7' - 0"					EX	EX	PT	EX	EX	-						•															EXISTING DOORS REMOVED

DOOR SCHEDULE - THIRD LEVEL

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A920	SIGNAGE TEXT	REMARKS
301	301-1	320			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	SPECIAL EDUCATION CLASSROOM	
302	320	302-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	CLASSROOM	
303	303-1	320			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	PREP ROOM	
304	320	304-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	CLASSROOM	
305	320	305-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-		•															S3	BOYS' RESTROOM	
306	320	306-1			3' - 0"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-		•															S1	CUSTODIAN	
307	320	307-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-	•						•		•				•	•	•	S1	CLASSROOM	
308	320	308-1			4' - 6"	6' - 8"	-	-	-	-	J	HM	PT	HM-9	HM-9	-	-					•											S1	LOCKERS	CASED OPENING
309.2	309-1	320			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-3	HM-3	-	-	•						•		•				•	•	•	S1	CLASSROOM	
310	310-1	320			2' - 8"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-		•															S1	CLOSET	
311	311-1	312-1			3' - 0"	6' - 8"	1	WD	ST/CLR	-	A	HM	PT	HM-1	HM-1	-		•						•		•				•	•	•	S1	PREP ROOM	
312.1	312-1	320			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	-	-	•						•		•				•	•	•	S1	CLASSROOM	
312.2	S3-3-1	312-1			2' - 8"	6' - 8"	EX	EX	EX		EX	EX	PT	EX	EX	-						•											S8	AUTHORIZED PERSONEL ONLY	
313	320	313-1			4' - 6"	6' - 8"	-	-	-	-	J	HM	PT	HM-9	HM-9	-	-					•											S1	LOCKERS	CASED OPENING
314	320	314-1			4' - 6"	6' - 8"	-	-	-	-	J	HM	PT	HM-8	HM-8	-	-					•											S1	LOCKERS	CASED OPENING
315	320	315-1			3' - 0"	6' - 8"	2	WD	ST/CLR	2	A	H



3 DETAIL AT EXISTING CEMENTITIOUS WALL BASE

1 1/2" = 1'-0"

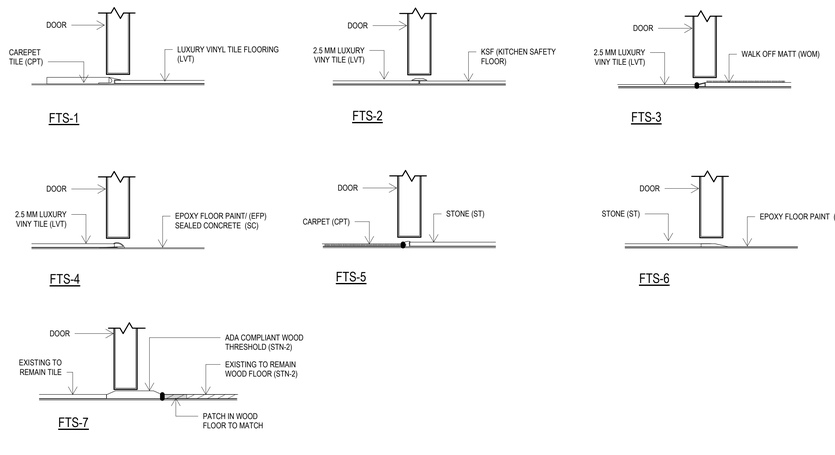
MB-X MARKERBOARD/ TACKBOARD/ PEGBOARD SCHEDULE (MB/TB/PB)

TAG	DESCRIPTION	QUANTITY
MB/TB-1	MARKERBOARD/ TACKBOARD COMBO; SIZE 4'X 8'	SEE FLOOR PLANS FOR QUANTITY
MB/TB-2	MARKERBOARD/ TACKBOARD COMBO; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
MB-1	MARKERBOARD; SIZE 4'X 4'	SEE FLOOR PLANS FOR QUANTITY
MB-2	MARKERBOARD; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
MB-3	MARKERBOARD; SIZE 4'X 8'	SEE FLOOR PLANS FOR QUANTITY
TB-1	TACKBOARD; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
TB-2	TACKBOARD; SIZE 4'X 4'	SEE FLOOR PLANS FOR QUANTITY
TB-3	TACKBOARD; SIZE 4'X 3'	SEE FLOOR PLANS FOR QUANTITY
TB-4	TACKBOARD; SIZE 4'X 8'	SEE FLOOR PLANS FOR QUANTITY

GENERAL NOTES:
-FOR LOCATIONS REFER TO DRAWINGS A110 THROUGH A140
-FOR TYPICAL MOUNTING HEIGHTS AND LOCATIONS, REFER TO INTERIOR ELEVATIONS
-REFER TO SECTION 101100 AND 0900000 SCHEDULE OF FINISHES FOR ADDITIONAL INFORMATION

2 MB/TB/PB SCHEDULE

1/2" = 1'-0" REFERENCE:



1 FLOOR TRANSITIONS

3" = 1'-0"

FINISH SCHEDULE

No.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	SOUTH WALL FINISH	EAST WALL FINISH	WEST WALL FINISH	CEILING FINISH	Remarks
101-1	VESTIBULE	WOM-1	WB-1	PT-17	PT-17	PT-17	PT-17	PT-11	
102-1	RECEPTION	CPT-5	WB-1	PT-1	PT-1	PT-1	PT-2	PT-11	
103-1	LOBBY	WOM-1	WB-1	PT-17/CM-1	PT-17/CM-1	PT-17/ CM-1	PT-17/CM-1	PT-11	PAINT EXISTING WAINSCOT AND CROWN MOULDING ONLY
104-1	ST	EFP-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
105-1	MEN	EP-3	EP-3/ PWB-1	EP-2/ EP-3	EP-2/ EP-3/ PWT-1	EP-2/ EP-3/ PWT-1	EP-2/ EP-3	PT-11	
106-1	WOMEN	EP-3	EP-3/ PWB-1	EP-2/ EP-3	EP-2/ EP-3/ PWT-1	EP-2/ EP-3	EP-2/ EP-3/ PWT-1	PT-11	
107-1	MEETING ROOM	CPT-5	ETR	PT-1/ PT-17/ ETR	PT-1/ PT-17/ ETR	PT-1/ PT-17/ ETR	PT-1/ PT-17/ ETR	ACT-1/ PT-11	RFI 8
110-1	OFFICE	KSF-1	KSF-1	EP-1	EP-1	EP-1	EP-1	ACT-2	
111-1	KITCHEN	KSF-1	KSF-1	IRP-1	IRP-1	IRP-1	IRP-1	ACT-2	
112-1	DINING ROOM 1	EP-3	EP-3	PT-2	PT-2	PT-2	PT-2	ACT-1/ PT-11	
113-1	LIBRARY	LVT/ CPT-6	ETR	ETR	ETR	ETR	ETR	ETR	PAINT EXISTING WOOD BOOKSHELF BACK PANEL; PT-14.
114-1	DRAWING ROOM	ETR/ CPT-6	ETR	ETR	ETR	ETR	ETR	ETR	
115-1	PRINCIPAL	ETR	WB-1	PT-1	PT-2	PT-1	PT-1	PT-11	
116-1	ASSISTANT PRINCIPAL	ETR	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-1/ PT-11	
117-1	ASSEMBLY/DINING	STN-2	ETR/ WB-1	PT-1	PT-1	PT-1/ DWG-2	PT-1	PT-4/ ACC-2	WOOD BASE PROFILE TO MATCH EXISTING; PAINT ETR WOOD BASE
118-1	STORAGE	WF-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
119-1	STORAGE	WF-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
120-1	WORK ROOM	LVT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
121-1	HALL	EP-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
122-1	STAIR HALL 1-1	EP-3	WB-1	PT-1	PT-1	PT-1	PT-1	PT-11	PAINT EXISTING WOOD CROWN MOULDING AND WOOD BASE
123-1	CORRIDOR	EP-3	WB-1	PT-1/ CM-1	PT-1/ CM-1	PT-1/ CM-1	PT-1/ CM-1	PT-11/WC-1/WT-1	
124-1	STAIR HALL 2-1	EP-3	WB-1	PT-1	PT-1	PT-1	PT-1	PT-11	PAINT EXISTING WOOD CROWN MOULDING
201-1	READING INTERVENTION	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
202-1	SOCIAL STUDIES CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
203-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
204-1	PREP ROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
205-1	SCIENCE CLASSROOM	LVT-1, 2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
206-1	BOYS	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
207-1	CUST	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	PT-11	
208-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
209-1	MATH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
210-1	WORLD LANGUAGE CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
211-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
212-1	STORAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
213-1	WORLD LANGUAGE CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
214-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
215-1	MATH INTERVENTION OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
216-1	WORLD LANGUAGE OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
217-1	CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
218-1	GIRLS	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
219-1	CUST	ETR	ETR	EP-1	EP-1	EP-1	EP-1	PT-11	
220-1	STAFF	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	ACT-2	
221-1	WORLD LANGUAGE CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
222-1	ENGLISH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
222A	UTILITY	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
223-1	CORRIDOR	LVT-1,2,4/ RST-1	RB-1	PT-2,4	PT-2,4	PT-2	PT-2	ACT-1	REFER TO FLOOR PATTERN PLAN FOR ACCENT PAINT
224	CORRIDOR	LVT-1,2,3	RB-1	PT-2, 4	PT-2, 4	PT-2	PT-2	ACT-1	REFER TO FLOOR PATTERN PLAN FOR ACCENT PAINT
225-1	CORRIDOR	LVT-1,2,3,/ RST-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	
226-1	PASSAGE	LVT-1	RB-1	PT-4	PT-4	PT-2	PT-2	ACT-1	
301-1	SPED CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
302-1	SOCIAL STUDIES CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
303-1	SCIENCE PREP	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
304-1	SCIENCE CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
305-1	BOYS	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
306-1	CUSTODIAL	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	PT-11	
307-1	MATH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
308-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
309-1	MATH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
310-1	CLOSET	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	PT-11	
311-1	SCIENCE PREP	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
312-1	SCIENCE CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
313-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
314-1	LOCKERS	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
315-1	SOCIAL STUDIES CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
316-1	GIRLS	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
317-1	STAFF	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
318-1	ENGLISH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
319-1	ENGLISH CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
319A	UTILITY	LVT-2	RB-2	EP-1	EP-1	EP-1	EP-1	ACT-1	
320	CORRIDOR	LVT-1,2,4	RB-1	PT-2,4	PT-2,4	PT-2	PT-2	ACT-1	
401-1	PENTHOUSE	EFP-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
B01-1	STORAGE	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	EP-1	
B02-1	UNISEX	PFT-1	CWB-1	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
B03-1	CLOSET	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	EP-1	
B04-1	PASSAGE	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	
B05-1	RECEIVING	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	EP-1	
B06-1	KITCHEN SUPPLY	KSF-1	KSF-1	EP-1	EP-1	EP-1	EP-1	EP-1	
B07-1	COOLER/ FREEZER	KSF-1	-	-	-	-	-	-	
B08-1	INNOVATION DESIGN WORKSHOP	EFP-1	RB-1	PT-1	PT-1	PT-1	PT-1/ DWG-1	PT-4	
B08-1	INNOVATION DESIGN WORKSHOP								
B09-1	SPED CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
B10-1	SPED CLASSROOM	LVT-1,2,4	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1/ PT-11	
B11-1	UNISEX	PFT-1	CWB-1	CWT-1/EP-2	CWT-1	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
B12-1	STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	PT-11	
B13-1	INNOVATION LAB	LVT-1,2,4	RB-1	DWG-1	PT-1	PT-1	PT-1	ACT-1/ PT-11	
B14-1	STAFF BREAK ROOM	LVT-2	RB-1	PT-1	PT-1/ CWT-2	PT-1	PT-1/CWT-2	ACT-1/ PT-11	
B15-1	BOYS	EP-3	EP-3	EP-3	EP-3	EP-3	EP-3	PT-11	
B16-1	GIRLS	EP-3/ PFT-2	EP-3/ PWB-1	EP-3/ PWT-1	EP-3/ PWT-1	EP-3	EP-3/ PWT-1	PT-11	
B17-1	COPY / WORKROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
B18-1	STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-1	
B19-1	SCHOOL COUNSELOR OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-1	PT-1	ACT-1/ PT-11	
B20-1	PASSAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
B21-1	SCHOOL COUNSELOR OFFICE	CPT-1	RB-1	PT-4	PT-1	PT-1	PT-1	ACT-1/ PT-11	
B22-1	SCHOOL COUNSELOR OFFICE	CPT-1	RB-1	PT-1	PT-4	PT-1	PT-1	ACT-1/ PT-11	
B23-1	ADMINISTRATION/ CHECK-IN	CPT-1	RB-1	PT-1	PT-4	PT-1	PT-1	ACT-1/ PT-11	
B24-1	WAITING	WOM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
B25-1	CONFERENCE	CPT-1	RB-1	PT-4	PT-4	PT-1	PT-1	ACT-1/ PT-11	
B27-1	SOCIAL WORKER OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-4	PT-1	ACT-1/ PT-11	
B28-1	PASSAGE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
B29-1	RESTORATIVE CIRCLE	CPT-1	RB-1	PT-4	PT-4	PT-4	PT-4	ACT-1	
B30-1	PSYCHOLOGIST OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1/ PT-11	
B32-1	LOCKER ROOM	LVT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
B33-1	SPEECH OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-4	PT-1	ACT-1/ PT-11	
B34-1	CAREER CENTER	CPT-1	RB-1	PT-4	PT-1	PT-1	PT-1	ACT-1/ PT-11	
B35-1	MECHANICAL	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
B36-1	MECH.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
B37-1	ELEC	ETR	-	ETR	ETR	ETR	ETR	ETR	
B38-1	PASSAGE	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	PT-11	RFI 9
B39-1	CORRIDOR A	LVT-1,2,4	RB-1	PT-1	PT-1/ PT-4	PT-1/ PT-4	PT-1	ACT-1	
B40-1	CORRIDOR B	LVT-1,2,4/ RBF-1	RB-1	PT-2	PT-2,4	PT-2,4	PT-2,4	ACT-1	
B41-1	STAIR HALL A	LVT-1,2,4/ RST-1/ RBF-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	
B42-1	CORRIDOR C	LVT-1,2,4	RB-1	PT2,4	PT-2,4	PT-2	PT-2	ACT-1/ PT-11	
B43-1	STAIR HALL B	LVT-1,2,4/ RST-1/ RBF-1	RB-1	PT-2	PT-2	PT-2	PT-2	PT-11	
B44-1	LOWER STAIR HALL	LVT-1,2,4/ RST-1	RB-1	PT-2	PT-2,4	PT-2	PT-2	PT-11	
EL1	ELEVATOR	LVT-1	RB-1	-	-	-	-	-	
S1-1-1	STAIR 1	RST-1/WOM-1	-	PT-1	PT-1	PT-1	PT-1	PT-11	
S1-2-1	STAIR 1	RST-1/ RSF-1	-	PT-1	PT-1	PT-1	PT-1	PT-11	
S1-3-1	STAIR 1	RST-1/ RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
S2-1-1	STAIR 2	RST-1/ WOM-1	-	PT-1	PT-1	PT-1	PT-1	PT-11	
S2-2-1	STAIR 2	RST-1/ RSF-1	-	PT-1	PT-1	PT-1	PT-1	PT-11	
S2-3-1	STAIR 2	RST-1/ RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-11	
S3-3-1	ROOF ACCESS	RST-1/ RSF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-11	

GENERAL NOTE:

- CONTRACTOR SHALL PATCH / REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
- REFER TO FINISH SCHEDULE AND PROJECT MANUAL.

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 1 - FINISH SCHEDULE
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A940-1

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GENERAL MECHANICAL SYMBOLS

CHS — CHILLED WATER SUPPLY PIPING	EXISTING DUCTWORK TO REMAIN
CHR — CHILLED WATER RETURN PIPING	EXISTING DUCTWORK TO BE REMOVED
CWS — CONDENSER WATER SUPPLY PIPING	HIDDEN DUCTWORK
CWR — CONDENSER WATER RETURN PIPING	SUPPLY DUCT UP / DN / DN
DTS — DUAL TEMPERATURE WATER SUPPLY PIPING	RETURN AIR DUCT UP / DN
DTR — DUAL TEMPERATURE WATER RETURN PIPING	EXHAUST AIR DUCT UP / DN
HWS — HOT WATER SUPPLY PIPING	DOUBLE LINE DUCTWORK WITH INDICATION OF INSIDE DIMENSIONS
HWR — HOT WATER RETURN PIPING	ACCESS DOOR IN DUCT
HTHWS — HIGH TEMPERATURE HOT WATER SUPPLY PIPING	ROUND DUCT DIAMETER SIZE
HTHWR — HIGH TEMPERATURE HOT WATER RETURN PIPING	FLEXIBLE DUCT CONNECTION
CD — CONDENSATE DRAIN PIPING	SUPPLY AIR FLOW
HIDDEN PIPING	EXHAUST/RETURN AIR FLOW
EXISTING PIPING/EQUIPMENT TO REMAIN	UNDERCUT DOOR
EXISTING PIPING/EQUIPMENT TO BE REMOVED	90° ELBOW WITH AIRFOIL TURNING VANES
DIRECTION OF FLOW IN PIPE	DUCT TAKE-OFF
PITCH PIPE DOWN IN DIRECTION OF ARROW	CEILING DIFFUSER REFER TO SCHEDULE FOR SIZE & TYPE
PIPE ELBOW UP / DOWN	RETURN / EXHAUST GRILLE REFER TO SCHEDULE FOR SIZE & TYPE
PIPE TOP CONNECTION	LINEAR DIFFUSER
PIPE BOTTOM CONNECTION	THERMOSTAT
CAPPED PIPING	TEMPERATURE SENSOR
PIPING CONTINUATION	RELATIVE HUMIDITY SENSOR OR HUMIDISTAT
PIPE UNION	SMOKE DETECTOR IN DUCT
PIPE ANCHOR	SMOKE DAMPER
PIPE GUIDE	FIRE DAMPER
PRESSURE REDUCING VALVE	COMBINATION SMOKE & FIRE DAMPER
CONTROL VALVE 2 WAY	MOTORIZED DAMPER
CONTROL VALVE 3 WAY	MANUAL VOLUME DAMPER/CABLE OPERATED DAMPER (COD)
MOTORIZED CONTROL VALVE 2 WAY	UNDERLINED TEXT DENOTES EQUIPMENT REFER TO SCHEDULE
MOTORIZED CONTROL VALVE 3 WAY	DIFFUSER LEGEND LTR = TYPE DESIGNATION, REFER TO SCHEDULES CFM = AIR FLOW QUANTITY #= BLOW ARRANGEMENT, 4-WAY BLOW IS TYPICAL UNLESS OTHERWISE NOTED 3 = 3-WAY BLOW 2 = 2-WAY BLOW 1 = 1-WAY BLOW
BALL VALVE	VARIABLE FREQUENCY DRIVE
GLOBE VALVE	COMBINATION MOTOR STARTER/DISCONNECT
GATE VALVE	TEMPERATURE CONTROL PANEL
BUTTERFLY VALVE	CARBON DIOXIDE SENSOR
COMBINATION AUTOMATIC BALANCING/FLOW MEASURING DEVICE	
PLUG VALVE	
PETCOCK	
PRESSURE GAUGE WITH PETCOCK	
PIPE REDUCER OR INCREASER	
THERMOMETER	
PIPE WELL (FOR CONTROLS TEST)	
PIPE AIR VENT (M-MANUAL, A-AUTOMATIC)	
DRAIN VALVE WITH HOSE COUPLING	
CHECK VALVE	
OSY GATE VALVE	
MANUAL BUTTERFLY VALVE W/ HAND WHEEL	
MOTORIZED VALVE	
POINT OF CONNECTION	
POINT OF DEMOLITION	

* ALL SYMBOLS MAY NOT BE USED IN THESE DOCUMENTS.

GENERAL MECHANICAL ABBREVIATIONS

ABV	ABOVE	FA	FACE AREA	NTS	NOT TO SCALE
AC	AIR COMPRESSOR	FB	FLOW BAR	OA	OUTSIDE AIR
ACC-#	AIR COOLED CONDENSER	FC	FORWARD CURVE	OAT	OUTDOOR AIR TEMPERATURE
ACU-#	AIR CONDITIONING UNIT	F.C.	FLEX CONNECTION	OAI	OUTDOOR AIR INTAKE
ACCU-#	AIR COOLED CONDENSING UNIT	FC-#	FAN COIL	OBD	OPPOSED BLADE DAMPER
AD	ACCESS DOOR	FCU-#	FAN COIL UNIT	OD	OUTSIDE DIMENSION
AF	AIRFOIL	FD	FIRE DAMPER WITH ACCESS DOOR	O.E. T.D.	OPEN END TRANSFER DUCT
AFC	ADJUSTABLE FREQUENCY CONTROLLER	FF	FINAL FILTER	OED	OPEN END DUCT
AFF	ABOVE FINISHED FLOOR	FIN FL	FINISH FLOOR	P-#	PUMP
AFMS	AIR FLOW MEASURING STATION	FL	FLOOR	PB	PUSH BUTTON
AHU-#	AIR HANDLING UNIT	FLA	FULL LOAD AMPERES	PBD	PARALLEL BLADE DAMPER
AL	ACOUSTIC LINING	FLEX	FLEXIBLE	PD	PRESSURE DROP
ALD	AUTOMATIC LOUVER DAMPER	FO	FLAT OVAL	PF	PREFILTER
ALP	ACOUSTICALLY LINED PLENUM	FPF	FINS PER FOOT	PH	PHASE
APD	AIR PRESSURE DROP	FT	FEET	PHC	PREHEAT COIL
AUTO	AUTOMATIC	F.T.	FLOAT & THERMOSTATIC TRAP	PPH	POUND PER HOUR
B-#	BOILER	FT-#	FIN TUBE RADIATION	PRV	PRESSURE REDUCING VALVE
BC	BACKWARD CURVED	FV	FACE VELOCITY	PSI	POUND PER SQUARE INCH
BD	BYPASS DAMPER	GC	GENERAL CONTRACTOR	RA	RETURN AIR
BMCS	BUILDING MANAGEMENT & CONTROL SYSTEM	GH	GRAVITY INTAKE HOOD	RAD	RETURN AIR DAMPER
BTU	BRITISH THERMAL UNIT	GPH	GALLONS PER HOUR	RAF-#	RETURN AIR FAN
BV	BYPASS VALVE	GPM	GALLONS PER MINUTE	RAT	RETURN AIR TEMPERATURE
CH-#	CHILLER	GT-#	GLYCOL TANK	REG	REGISTER
CHR	CHILLED WATER RETURN	H/C	HEATING/COOLING	RH	RELATIVE HUMIDITY
CHS	CHILLED WATER SUPPLY	H-#	HUMIDIFIER	RHC	REHEAT COIL
CAP	CAPACITY	H-O-A	HAND-OFF-AUTOMATIC	RLA	RATED LOAD AMPERES
CB-#	CONTROL BOX	HC-#	HEATING COIL	RM	ROOM
CC-#	COOLING COIL	HD	FEET OF HEAD	RP	RELIEF PENTHOUSE
CD	CEILING DIFFUSER	HP	HORSEPOWER	RPM	REVOLUTIONS PER MINUTE
CFM	CUBIC FEET PER MINUTE	HTG	HEATING	RTU-#	ROOFTOP AIR CONDITIONING UNIT
CG	CEILING GRILLE	HTR	HEATER	RV	RADIATION VALVE
CLG	CEILING	HV-#	HEATING AND VENTILATING UNIT	SA	SUPPLY AIR
C-#	CONVECTOR	HVAC	HEATING, VENTILATING & AIR CONDITIONING	SAF-#	SUPPLY AIR FAN
C.O.D.	CABLE OPERATED DAMPER			SAT	SUPPLY AIR TEMPERATURE
CP	CONDENSATE RECEIVER/PUMPING SYSTEM	HX-#	HEAT EXCHANGER CONVERTOR	SB	SECURITY BARS
CR	CEILING REGISTER	IBT	INVERTED BUCKET TRAP	VSC	VERTICAL SPLIT CASE
CT-#	COOLING TOWER	ID	INSIDE DIMENSION	HSC	HORIZONTAL SPLIT CASE
CTD	CEILING TRANSFER DUCT	IN	INCHES	SD	SMOKE DAMPER
CUH-#	CABINET UNIT HEATER	IP	INTAKE PENTHOUSE	SG	SUPPLY GRILLE
CV	CONTROL VALVE	IV	INLET GUIDE VANES	SP	STATIC PRESSURE
D&T	DRIP AND TRAP	KW	KILOWATT	SQ FT	SQUARE FOOT (AREA)
DB	DRY BULB	KWH	KILOWATT HOUR	ST	SINGLE POLE SWITCH
DD	DIRECT DRIVE	IL	INLINE	TAB	TESTING, ADJUSTING, BALANCING
DDC	DIRECT DIGITAL CONTROL	LAT	LEAVING AIR TEMPERATURE	T'STAT	THERMOSTAT
DIFF	DIFFUSER	LD	LINEAR DIFFUSER	TB-#	TERMINAL BOX
DL	DOOR LOUVER	LIN	LINEAR	TCP	TEMPERATURE CONTROL PANEL
DN	DOWN	LRA	LOCKED ROTOR AMPERES	TD	TEMPERATURE DIFFERENCE
DP	DEWPOINT TEMPERATURE	LPR	LOW PRESSURE RETURN	TEMP	TEMPERATURE
DR	DROP	LPS	LOW PRESSURE SUPPLY	TG	AIR TRANSFER GRILLE
DX	DIRECT EXPANSION	LVG	LEAVING	TOT	TOTAL
EF-#	EXHAUST FAN	LWT	LEAVING WATER TEMPERATURE	TN-HR	TON HOUR REFRIGERATION
EAT	ENTERING AIR TEMPERATURE	MAN	MANUAL	TR	TOP REGISTER
EER	ENERGY EFFICIENCY RATIO	MAT	MIXED AIR TEMPERATURE	TRD	TRANSFER DUCT
EG	EXHAUST GRILLE	MAX	MAXIMUM	TT	THERMOSTATIC TRAP
EHC-#	ELECTRIC HEATING COIL	MBH	1000 BTUS	TYP	TYPICAL
ENT	ENTERING	MCA	MINIMUM CIRCUIT AMPACITY	UC	UNDERCUT DOOR
HEPA	HIGH EFFIGENCY PARTICULATE FILTER	MD	MOTORIZED DAMPER	UH-#	UNIT HEATER HOT WATER
ER	EXHAUST REGISTER	MER	MECHANICAL EQUIPMENT ROOM	UV-#	UNIT VENTILATOR
ES	END SUCTION	MEZZ	MEZZANINE	VD	VOLUME DAMPER
ESP	EXTERNAL STATIC PRESSURE	MFS	MAXIMUM FUSE SIZE	VE	VOLUME EXTRACTOR
ET-#	EXPANSION TANK	MIN	MINIMUM	VFD	VARIABLE FREQUENCY DRIVE
ETR	EXISTING TO REMAIN	MTR	MOTOR	VI	VIBRATION ISOLATOR
EUH-#	ELECTRIC UNIT HEATER	MUA	MAKE-UP AIR	VSF	VARIABLE SPEED FAN SWITCH
EWT	ENTERING WATER TEMPERATURE	MV	MOTORIZED VALVE	W	WITH
EXP-#	EXPANSION LOOP	NC	NOISE CRITERIA	WB	WET BULB
EX	EXISTING	NFA	NET FREE AREA	WFM	WATER FLOW MEASURING STATION
EXH	EXHAUST	NIC	NOT IN THIS CONTRACT	WMS	WIRE MESH SCREEN
EXT	EXTERNAL	NO	NORMALLY OPEN	WPD	WATER PRESSURE DROP
°F	DEGREES FAHRENHEIT			WT	WEIGHT (LBS)
F&B	FACE & BYPASS DAMPER			ZD	ZONE DAMPER

* ALL ABBREVIATIONS MAY NOT BE USED IN THESE DOCUMENTS.

MECHANICAL GENERAL NOTES

GENERAL

1. WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT, AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.
2. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO PROVIDE FOR FINISHED WORK, TESTED AND READY FOR OPERATION.
3. ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT REQUIRED TO RENDER THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST.
4. WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS. WHERE A CONFLICT EXISTS BETWEEN THESE NOTES, THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
5. DRAWINGS ARE DIAGRAMMATIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUB-CONTRACTOR DOCUMENTS. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE THE PROVISION AND INSTALLATION OF ALL NECESSARY WORK AND MATERIALS FOR COMPLETE, OPERATIONAL AND CODE COMPLIANT SYSTEMS BY THE CONTRACTOR. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED OR BETTERED. THE BID SHALL INCLUDE OFFSETS, ADDITIONAL PIPING, VALVES AND EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL REQUIREMENTS.
6. PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.
7. WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
8. STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.
9. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION NOT SPECIFICALLY PROVIDED BY OTHERS BUT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. THIS CONTRACTOR SHALL PROVIDE MOTOR STARTERS. COORDINATE REQUIREMENTS WITH DIVISION 26.

ALTERATION WORK AND DEMOLITION

1. ALL EQUIPMENT, DUCTWORK, PIPING, CONTROL DEVICES, ETC. TO BE REMOVED, SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, DUCTWORK, PIPING, CONTROL DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNER'S APPROVAL.
2. UPON COMPLETION OF REMOVALS AND MODIFICATIONS, ALL DUCTWORK AND PIPING TO REMAIN SHALL BE PROPERLY VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK ALL SYSTEMS TO REMAIN, REMAIN OPERATIONAL.
3. NO DEAD ENDS SHALL BE LEFT ON ANY DUCTWORK OR PIPING SYSTEM UPON COMPLETION OF WORK.
4. EXISTING DUCTWORK AND PIPING SYSTEMS NOT TO BE REUSED, AND NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE COMPLETELY REMOVED.
5. ALL SYSTEMS SHALL BE LEFT IN WORKING ORDER TO THE SATISFACTION OF THE OWNER UPON COMPLETION OF ALL NEW WORK.
6. ALL EXISTING UNNECESSARY DUCTWORK AND PIPING NOT RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.
7. RE-ROUTE ALL EXISTING DUCTWORK, PIPING AND SYSTEMS WHERE NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL, OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.
8. WHERE PORTIONS OF EXISTING DUCT SYSTEMS ARE TO REMAIN CONTRACTOR TO TAKE AIRFLOW READINGS AT ALL AIR TERMINALS ASSOCIATED WITH THE DUCT SYSTEM TO BE MODIFIED BEFORE COMMENCEMENT OF WORK AND AFTER ALTERATION WORK IS COMPLETE. AIR BALANCING WORK SHALL BE PERFORMED BY AN INDEPENDENT NEEB CERTIFIED COMPANY, NOT ASSOCIATED WITH THE CONTRACTOR. REPORTS ARE TO BE ISSUED TO THE OWNER AND ENGINEER AT BOTH OCCURRENCES. IF AS-BUILTS ARE AVAILABLE, DISCREPANCIES NOTED BETWEEN THE AS BUILT DRAWINGS AND THE INITIAL AIR FLOW READINGS ARE TO BE NOTED ON THE AIR FLOW REPORT. EXISTING AIR TERMINALS ARE TO BE BALANCED TO THE ORIGINAL READINGS AT COMPLETION OF WORK UNLESS OTHERWISE IDENTIFIED.

SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL BE SUBMITTED FOR DUCTWORK LAYOUT, PIPING LAYOUT, SHEET METAL SHOP STANDARDS AND ALL EQUIPMENT FURNISHED.
2. ELECTRONIC DRAWING FILES SHALL BE GENERATED BY THE CONTRACTOR. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC VERSION (AUTOCAD VERSION AS REQUIRED BY THE OWNER). OR AUTOCAD VERSION 2010 IF NOT SPECIFIED.
3. PRIOR TO THE SUBMISSION AND REVIEW OF SHEET METAL SHOP DRAWINGS, THE CONTRACTOR SHALL SUBMIT FOR REVIEW SHEET METAL SHOP STANDARDS. ANY SHEET METAL SHOP DRAWINGS SUBMITTED PRIOR TO THE SUBMISSION OF THE SHOP STANDARDS SHALL BE RETURNED "NOT REVIEWED".

COORDINATION DRAWINGS

1. ELECTRONIC DRAWING FILES SHALL BE GENERATED BY THE CONTRACTOR. IF REQUESTED, ELECTRONIC FILES OF THE MECHANICAL FLOOR PLANS, SECTIONS AND ELEVATIONS ONLY WILL BE MADE AVAILABLE. ELECTRONIC FILES WILL BE RELEASED ONLY UPON RECEIPT OF THE SIGNED AGREEMENT FOR TRANSFER OF ELECTRONIC FILE DATA, AGREEMENT FOR TRANSFER OF BUILDING INFORMATION MODEL AND ALL FEES INDICATED THEREIN.
2. DEVELOP AND SUBMIT COORDINATION DRAWINGS AS OUTLINED.
   A. SHEET METAL, PLUMBING AND FIRE PROTECTION SHOP DRAWINGS THAT HAVE BEEN COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. DRAWINGS MUST BE RETURNED FROM ENGINEER EITHER "REVIEWED" OR "FURNISH AS CORRECTED" PRIOR TO BEING USED AS BASIS FOR COORDINATION DRAWINGS.
   B. AFTER SHEET METAL AND PIPING DRAWINGS HAVE BEEN REVISED PER ENGINEERS COMMENTS, REPRODUCIBLE COPIES SHALL BE SENT TO THE TRADES IN THE FOLLOWING SEQUENCE FOR THE INCLUSION OF THEIR WORK:

-MECHANICAL SHEET METAL
-PLUMBING PIPING
-MECHANICAL PIPING
-SPRINKLER PIPING
-ELECTRICAL WORK

2. AFTER ALL TRADES HAVE INCLUDED THEIR WORK ON THE COORDINATION DRAWING AND NOTED CONFLICTS, ALL TRADES SHALL MEET TO RESOLVE CONFLICTS AND AGREE TO ACCEPTABLE SOLUTIONS. EACH TRADE SHALL SIGN COORDINATION DRAWINGS. ITEMS NOT SHOWN ON COORDINATION DRAWING IS RESPONSIBILITY OF OMITTING CONTRACTOR AND CONTRACTOR IS SUBJECT TO ADDITIONAL COSTS INCURRED BY OTHER TRADES.
3. THE ARCHITECT AND ENGINEER ARE NOT PART OF THE COORDINATION DRAWING PROCESS. THE ENGINEER WILL PROVIDE ASSISTANCE FOR NOTED CONFLICTS ONLY. COORDINATION DRAWINGS ARE NOT TO BE CONSIDERED PIPING OR DUCT SHOP DRAWINGS. THE CONTRACTOR IS REQUIRED TO SUBMIT INDIVIDUAL PIPING AND DUCTWORK SHOP DRAWINGS FOR REVIEW BY THE ENGINEER. PIPING AND DUCTWORK SHOP DRAWINGS SHALL FOLLOW THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
4. SUBMIT FINAL SIGNED COORDINATION DRAWING TO ENGINEER FOR REVIEW. ENGINEER WILL REVIEW COORDINATION DRAWINGS FOR GENERAL ARRANGEMENT AND FOR NOTED CONFLICTS ONLY. SPECIFIC INSTALLATION REQUIREMENTS WILL BE REVIEWED ONLY IN INDIVIDUAL TRADE SHOP DRAWINGS.
5. ANY WORK FABRICATED OR INSTALLED PRIOR TO SIGN OFF BY ALL TRADES WHICH IS DEEMED TO BE IN CONFLICT WITH COORDINATION DRAWINGS SHALL BE REMOVED AND RE-INSTALLED IN CONFORMANCE WITH COORDINATION DRAWINGS.
6. EACH CONTRACTOR (MENTIONED ABOVE) IS RESPONSIBLE FOR THE COORDINATION OF HIS SUB-CONTRACTORS.
7. THE OVERALL COORDINATION OF THE COORDINATION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR THE COORDINATION PROCESS. THE ENGINEER WILL RESPOND TO QUESTIONS THAT ARISE FROM THE COORDINATION PROCESS. DRAWINGS SUBMITTED WILL BE REVIEWED FOR CLEARLY IDENTIFIED CONFLICTS ONLY. SOLUTIONS TO CONFLICTS WILL NOT BEAR ADDITIONAL COST.

AS BUILT DRAWINGS

1. PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERS COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC VERSION (AUTO-CAD VERSION AS REQUIRED BY THE OWNER) OR AUTOCAD VERSION2010 IF NOT SPECIFIED. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.
2. PROVIDE "AS-BUILT DRAWINGS" INDICATING IN A NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS OF THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:
3. INCLUDE ALL CHANGES AND AN ACCURATE RECORD IN AUTOCAD DRAWING OR APPROPRIATE SHOP DRAWINGS, OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND WORK INSTALLED.
4. MAINS AND BRANCHES OF PIPING SYSTEMS, WITH VALVES AND CONTROL DEVICES LOCATED AND NUMBERED, CONCEALED UNIONS LOCATED, AND WITH ITEMS REQUIRING MAINTENANCE LOCATED (I.E., TRAPS, STRAINERS, EXPANSION COMPENSATORS, TANKS, ETC.). VALVE LOCATION DIAGRAMS, COMPLETE WITH VALVE TAG CHART.
5. EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.
6. APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
7. CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.
8. SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.
9. SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

HOUSEKEEPING PADS

1. PROVIDE CONCRETE HOUSEKEEPING PADS FOR FLOOR-MOUNTED EQUIPMENT. COORDINATE EXACT LOCATIONS, DIMENSIONS, PIPING LOCATIONS, AND ANCHOR BOLT REQUIREMENTS. PROVIDE CONCRETE HOUSEKEEPING PADS UNDER ALL FLOOR MOUNTED EQUIPMENT. PADS SHALL BE CONSTRUCTED OF 3,000 PSI CONCRETE. PADS SHALL BE 4 INCHES HIGH, AND MINIMUM 4 INCHES WIDER THAN THE EQUIPMENT IN BOTH DIRECTIONS.
2. COORDINATE FLOOR DRAIN LOCATIONS WITH RESPECT TO EQUIPMENT HOUSEKEEPING PADS. PLACE DRAINS SUCH THAT EDGE OF THE FLOOR GRATE EXTENDS NO CLOSER THAN 2 INCHES FROM THE SIDE OF THE PAD. FLOOR DRAINS TO BE COORDINATED WITH PLUMBING CONTRACTOR.

HANGERS AND SUPPORT

1. SEISMIC RESTRAINT: PROVIDE SEISMIC RESTRAINT AND EXPANSION OF ALL MECHANICAL EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH STATE AND FEDERAL BUILDING CODE REQUIREMENTS. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT INDICATING ALL NECESSARY COMPONENT CUTS, PLAN LOCATIONS AND CALCULATIONS FOR A COMPLETE SYSTEM. IT IS THE RESPONSIBILITY OF THE HIRED ENGINEER TO ANALYSIS AND DETERMINE ALL THE QUANTITIES AND LOCATIONS OF ALL REQUIRED VIBRATION, & SEISMIC CONTROLS, DEVICES AND RESTRAINTS.
2. PROVIDE ALL NECESSARY STRUCTURAL MEMBERS INCLUDING ADDITIONAL STRUCTURAL SUPPORT TO SUPPORT PIPING AND EQUIPMENT. HANGERS AND SUPPORTS SHALL BE OF AN APPROVED DESIGN NECESSARY TO SUPPORT DUCTWORK, PIPING, EQUIPMENT AND TO KEEP IN PROPER ALIGNMENT AND PREVENT TRANSMISSION OF INJURIOUS THRUSTS AND VIBRATIONS. IN ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM CONCRETE CONSTRUCTION, DO NOT WEAKEN CONCRETE OR PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER EQUIPMENT AND PIPING IS ERECTED. HANGERS SUPPORTING PIPING EXPANDING INTO LOOPS, BENDS AND OFFSETS SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO EXPANSION. ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED. HANGERS IN CONTACT WITH COPPER OR BRASS PIPE SHALL BE DIELECTRIC, COMPATIBLE WITH COPPER AND BRASS ALLOY OR PROVIDED WITH FELT SLEEVE.
3. PROVIDE ADDITIONAL SUPPORT FOR DUCTWORK PIPING AND EQUIPMENT WHEN DECK IS NOT CAPABLE OF SUPPORT.
4. BEAM CLAMPS: - HANGERS SUPPORTED FROM STEEL SHALL BE CENTER LOADING BEAM CLAMPS FOR HANGERS SUPPORTING PIPING 2 INCHES. FOR PIPING 2-1/2 INCHES AND LARGER, I BEAM CLAMPS SHALL BE FORGED STEEL. "C" CLAMPS ARE NOT TO BE USED.
5. PROVIDE AND INSTALL EXPANSION COMPENSATION FOR ALL PIPING. SUBMIT PLANS, CALCULATIONS AND EQUIPMENT DATA.

MECHANICAL PHASING NOTES

1. THIS PROJECT CONSISTS OF MULTIPLE PHASES OF CONSTRUCTION OVER A SPECIFIED TIME PERIOD. PROVIDE ALL WORK NECESSARY TO KEEP EXISTING SYSTEMS IN SAFE OPERATION. PROVIDE ISOLATION (SHUTOFF) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS.
2. CONTRACTOR TO COORDINATE WITH CONSTUCTION MANAGER. CONSTRUCTION MANAGER WILL BE DICTATING THE PHASING SCHEDULE OF THIS PROJECT.
3. WORK SHALL BE PHASED TO ALLOW OWNER TO CONTINUE BUSINESS OPERATIONS DURING THE CONSTRUCTION PERIOD. COORDINATE WORK WITH OWNER AND GENERAL CONTRACTOR TO ALLOW SUFFICIENT TIME TO RELOCATE OPERATIONS WITHIN THE BUILDING PRIOR TO COMMENCING WORK IN AREAS AFFECTED BY DEMOLITION OR NEW CONSTRUCTION.
4. WORK REQUIRING INTERRUPTION OF ESSENTIAL BUILDING SERVICES SHALL BE PERFORMED DURING UNOCCUPIED PERIODS (AFTER BUSINESS HOURS). ESSENTIAL SERVICES SHALL INCLUDE BUT NOT BE LIMITED TO VENTILATION, WATER AND SEWER SERVICE, POWER, TELECOMMUNICATIONS. HEATING AND AIR CONDITIONING SHALL BE CONSIDERED TO BE ESSENTIAL WHEN CONDITIONS WILL CAUSE TEMPERATURES IN THE BUILDING TO FALL BELOW 68°F OR EXCEED 78°F.
5. CONTRACTOR TO PROVIDE TEMPORARY HEATING DURING PHASES OF CONSTRUCTION OCCURRING DURING COLDER SEASONS. CONTRACTOR TO PROVIDE ALL NECESSARY COMPONENTS AND DEVICES.

MECHANICAL DEMOLITION NOTES

1. COORDINATE PHASING OF DEMOLITION WITH C.M./G.C. AND PROPOSED CONSTRUCTION SCHEDULE TO MAINTAIN MECHANICAL SERVICES (HEATING, TEMPERATURE CONTROLS, EXHAUSTS, MAKE UP AIR ETC.) TO OCCUPIED AREAS OF THE BUILDING DURING CONSTRUCTION.
2. THE EXISTING FACILITY WILL BE OCCUPIED AND IN OPERATION DURING THE PERFORMANCE OF THE WORK.
3. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING PIPING OR DUCTWORK WHICH MAY CAUSE DISRUPTION TO OCCUPIED FACILITIES, CONFER WITH THE OWNER, AND SCHEDULE A MUTUALLY AGREEABLE PERIOD OF INTERRUPTION.
4. WHERE REPLACEMENT, RELOCATION OR MODIFICATION OF EXISTING EQUIPMENT IS INDICATED, PROVIDE AND MAINTAIN ALL TEMPORARY SERVICES, CONNECTIONS, CONTROLS, AND ANY OTHER MATERIALS AND APPURTENANCES REQUIRED TO MAINTAIN SERVICES TO OCCUPIED AREAS.
5. NO WORK SHALL BE LEFT INCOMPLETE, NOR ANY HAZARDOUS SITUATION CREATED, WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. AT NO TIME SHALL THE WORK INTERFERE WITH OR CUT OFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S PRIOR WRITTEN PERMISSION.
6. THE OWNER RESERVES THE RIGHT TO OPERATE ALL EXISTING MECHANICAL EQUIPMENT UNTIL THE NEW SYSTEMS COME ON LINE.
7. IT IS REQUIRED THAT THE WORK INDICATED AND/OR SPECIFIED SHALL BE CARRIED OUT WITH A MINIMUM OF INTERFERENCE TO THE ESTABLISHED OPERATIONS OF THE BUILDING.
8. REMOVED MATERIALS SHALL BE DISPOSED OF USING LICENSED CARTING SERVICE.
9. HAZARDOUS MATERIALS - SHALL BE DISPOSED OF BY AN EPA APPROVED, LICENSED DISPOSAL SERVICE. CONTRACTOR SHALL OBTAIN AND HAVE ON FILE, AFFIDAVIT, AND RECEIPTS STATING HOW AND WHERE THE WASTE WAS DISPOSED OF OR CONVERTED.
10. IT IS THE INTENTION OF THESE DEMO DRAWINGS TO INDICATE GENERAL SYSTEMS AND MATERIALS TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL OBSOLETE PIPING, DUCTWORK, EQUIPMENT, CONTROLS, ETC, INDICATED OR NOT.
11. DUCTWORK, EQUIPMENT AND TERMINAL DEVICES HAVE BEEN TAKEN FROM FIELD OBSERVATION AND ARE TO BE USED FOR REFERENCE AND SHALL NOT BE CONSTRUED TO BE ACTUAL FIELD CONDITIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL SYSTEMS PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
12. ALL EQ

DEDICATED OUTSIDE AIR SYSTEM SCHEDULE

MARK	AREA SERVED	MANUFACTURER /MODEL	SUPPLY AIR FANS					EXHAUST AIR FAN					ELECTRICAL			DX COOLING COIL							HOT GAS REHEAT	GAS HEATING SECTION					ENERGY RECOVERY HEAT EXCHANGER													FILTERS		UNIT OPER WT (LBS)	CURB WT (LBS)	REMARKS
			NOMINAL CFM	SP (IN WG)		QNTY	HP EACH	NOMINAL CFM	SP (IN WG)		QNTY	HP EACH	Volts/Phs/Hz	MCA (AMPS)	MOCP (AMPS)	CAPACITY		EAT DB/WB (°F)	LAT DB/WB (°F)	MAX APD (IN.WG.)	MIN EER	MRC LB/HR	MRE LB/kWh	LAT (°F) DB/WB	CAPACITY (MBH)	INPUT (MBH)	EAT (°F)	LAT (°F)	TURN DOWN RATIO	TYPE	OA CFM	EXH CFM	MOTOR HP	MAX APD (IN.WG.)	SUMMER OA		SUMMER EXH		WINTER OA		WINTER EXH		TYPES	MID LIFE APD (IN.WG.)			
				TSP	ESP				TSP	ESP						TOTAL MBH	SENS MBH																		EAT °F DB/WB	LAT °F DB/WB	EAT °F DB/WB	LAT °F DB/WB	EAT °F DB/WB	LAT °F DB	EAT °F DB/WB	LAT °F DB					
1-DOAS-1	REFER TO PLAN	TRANE / OAD030C1	5575	4.09	2.00	1	7.5	4320	1.83	1.00	1	3	208/3/60	159.0	200	329.4	196.0	83.0 / 68.3	47.1 / 46.4	0.30	11.2	165.90	4.17	70.0 / 56.33	324	400	42.0	95.6	10:1	POLYMER WHEEL	5827	4572	-	0.63	95 / 74	83.0 / 68.4	75 / 64	90.0 / 71.7	0 / 0	42.0 / 39.1	70 / 58	23.0 / 22.8	MERV-13	-	4469	159	SEE BELOW
1-DOAS-2	REFER TO PLAN	TRANE / OABD084D3	1330	2.93	1.50	1	1	1147	1.78	0.75	1	1	208/3/60	43.9	60	71.7	43.0	79.4 / 66.6	47.8 / 46.7	0.15	14.9	39.67	5.47	70.0 / 56.31	60	75	54.5	96.1	5:1	POLYMER WHEEL	1330	1454	-	0.83	95 / 74	79.4 / 66.6	75 / 64	90.3 / 71.8	0 / 0	54.5 / 47.9	70 / 58	21.8 / 21.7	MERV-13	-	1987	134	SEE BELOW
1-DOAS-3	REFER TO PLAN	TRANE / OABD096D3	1425	2.95	1.50	1	1.5	1173	1.62	0.75	1	1	208/3/60	47.7	70	80.1	49.9	81.8 / 67.8	47.5 / 47.4	0.12	14.0	39.88	4.98	70.0 / 57.01	80	100	46.2	97.9	5:1	POLYMER WHEEL	1538	1173	-	0.67	95 / 74	81.8 / 67.8	75 / 64	92.2 / 72.7	0 / 0	46.2 / 42.1	70 / 58	15.9 / 15.8	MERV-13	-	1997	134	SEE BELOW
1-DOAS-4	REFER TO PLAN	TRANE / OABD096D3	1450	2.98	1.50	1	1.5	1287	1.69	0.75	1	1	208/3/60	47.7	70	80.0	49.8	81.2 / 67.5	47.5 / 47.4	0.12	14.2	40.58	5.02	70.0 / 57.01	80	100	48.3	99.2	5:1	POLYMER WHEEL	1567	1287	-	0.74	95 / 74	81.2 / 67.5	75 / 64	91.7 / 72.4	0 / 0	48.3 / 43.6	70 / 58	17.7 / 17.5	MERV-13	-	1997	134	SEE BELOW
1-DOAS-5	REFER TO PLAN	TRANE / OABD060D3	1010	2.50	1.45	1	2	1127	1.59	0.75	1	1	208/3/60	39.0	50	52.1	32.5	78.6 / 66.2	47.2 / 47.1	0.14	15.3	28.62	5.40	70.0 / 56.88	40	50	57.1	93.6	5:1	POLYMER WHEEL	1127	1127	-	0.64	95 / 74	78.7 / 66.2	75 / 64	91.1 / 72.2	0 / 0	57.1 / 49.7	70 / 58	19.4 / 19.2	MERV-13	-	1964	134	SEE BELOW
1-DOAS-6	REFER TO PLAN	TRANE / OADG010C1	2115	3.32	2.00	1	2	1977	1.99	1.00	1	1	208/3/60	63.9	80	111.4	69.4	80.8 / 67.3	48.4 / 48.1	0.11	15.6	57.87	5.52	70.0 / 57.25	120	150	49.5	101.8	10:1	POLYMER WHEEL	2287	1977	-	0.79	95 / 74	80.8 / 67.3	75 / 64	91.2 / 72.2	0 / 0	49.5 / 44.4	70 / 58	19.1 / 19.0	MERV-13	-	3960	159	SEE BELOW
1-DOAS-7	REFER TO PLAN	TRANE / OADG012C1	2360	3.52	2.0	1	3	1857	1.95	1.00	1	1	208/3/60	75.0	90	128.6	80.8	82.4 / 68.1	48.5 / 48.4	0.13	14.3	63.24	5.04	70.0 / 57.46	120	150	44.3	91.2	10:1	POLYMER WHEEL	2527	1857	-	0.75	95 / 74	82.4 / 68.1	75 / 64	92.1 / 72.6	0 / 0	44.3 / 40.6	70 / 58	16.4 / 16.2	MERV-13	-	4004	159	SEE BELOW
1-DOAS-8	REFER TO PLAN	TRANE / OABD036D3	1030	2.55	1.75	1	1	713	1.35	0.75	1	2	208/3/60	37.5	50	43.0	28.2	76.5 / 64.9	49.8 / 49.7	0.13	14.5	25.94	6.13	70.0 / 58.07	40	50	64.6	100.4	5:1	POLYMER WHEEL	713	713	-	0.40	95 / 74	77.6 / 65.6	75 / 64	92.2 72.7	0 / 0	60.8 / 51.9	70 / 58	16.0 / 15.9	MERV-13	-	1964	134	SEE BELOW

REMARKS:

1. UNIT SHALL UTILIZE R-454B REFRIGERANT. R-410A AND R-22 REFRIGERANT IS NOT ACCEPTABLE.
2. PROVIDE COMPLETE SET OF SPARE FILTERS (TOTAL NUMBER OF FILTER SETS = 2) FOR EACH UNIT.
3. ALL UNITS SHALL HAVE ENERGY WHEELS FOR RECOVERY OF ENERGY FROM EXHAUST AIR STREAM.
4. FURNISH UNITS WITH 100% RECIRCULATION DAMPER FOR UNOCCUPIED HEATING MODE.
5. FURNISH UNITS WITH SINGLE POINT POWER CONNECTION.
6. PROVIDE 120V SERVICE OUTLET
7. PROVIDE FACTORY MOUNTED VARIABLE FREQUENCY DRIVE AND DISCONNECT SWITCH FOR SUPPLY FAN AND EXHAUST FAN.
8. ALL FAN MOTOR DRIVE ASSEMBLIES SHALL BE MOUNTED ON 1.5 INCH STATIC DEFLECTION VIBRATION ISOLATORS.
9. PROVIDE 26" HIGH THYBAR CORPORATION ACOUSTICAL SEISMIC ROOF CURBS WITH MANSON INSULATION (2" ALLEY KAT AIR DUCT BOARD). PROVIDE PLENUM CURB TO MATCH ROOF PENETRATIONS.
10. PROVIDE STAINLESS STEEL HEAT EXCHANGERS AND DRAIN PANS.
11. ALL UNITS SHALL BE EQUIPPED WITH MULTIPLE COMPRESSORS (VARIABLE SPEED COMPRESSORS).
12. PROVIDE FACTORY INSTALLED OUTSIDE AIR FLOW STATION.
13. EQUIPMENT MUST BE PURCHASED FROM A COMMERCIAL SALES OFFICE THAT OFFERS FULL SALES, TECHNICAL SUPPORT AND HAS FULL SERVICE OPERATION WITH A MINIMUM OF (10) SERVICE TRUCKS. THE COMMERCIAL SALES OFFICE SHALL HAVE ACCESS TO ELECTRONIC SALES, SERVICE AND TECHNICAL SOFTWARE FOR COMPLETE SUBMITTAL PACKAGES AND AFTER-MARKET SUPPORT.
14. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH A BUILDING MANAGEMENT CONTROL SYSTEM.\N15. PROVIDE FACTORY MOUNTED BACNET DDC UNIT CONTROLLER.
16. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

DEHUMIDIFIER SCHEDULE

MARK	LOCATION	SERVICE	PINTS/ GALLONS	EFFICIENCY (PINTS/KWH)	CFM	FILTER	ELECTRICAL			MAKE/ MODEL	OPER. WEIGHT (LBS)	REMARKS
							HP	VOLTS/I	AMPS			
DHU-1	CRAWL SPACE	CRAWL SPACE B	155 / 19.375	7.3	391	MERV 1 3	920W	115/ 1	8.0	SANTA-FE / IMPACT 155	140	SEE BELOW

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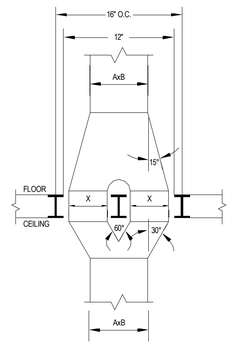
REMARKS:

1. UNIT SHALL UTILIZE R-454B REFRIGERANT. R-22 & R410A REFRIGERANT IS NOT ACCEPTABLE.
2. PROVIDE COMPLETE SET OF SPARE FILTERS FOR EACH UNIT.
3. PROVIDE CEILING MOUNTED SUPPORTS.
4. PROVIDE VIBRATION ISOLATION.
5. PROVIDE AUTO-RESTART TO ALLOW DEHUMIDIFIER TO AUTOMATICALLY RESTART AFTER A POWER OUTAGE.
6. PROVIDE LOW TEMPERATURE OPERATION.
7. PROVIDE CAPABILITY FOR MONITORING THROUGH BUILDING MANAGEMENT CONTROL SYSTEM.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



NOTES:

1. DIMENSION A AND B AS INDICATED ON THE DRAWINGS. B DIMENSION (DEPTH) REMAINS CONSTANT.
2. DEPTH DIMENSION FOR X EQUALS DIMENSION B.
3. MAXIMUM DUCT WIDTH FOR DIMENSION X EQUAL 8 INCHES.
4. MAXIMUM ALLOWABLE PENETRATION OPENING BETWEEN FLOOR BEAMS EQUALS 9 INCHES PER STRUCTURAL ENGINEERS RECOMMENDATIONS.

DUCT SEPERATION AT FLOOR LINE TO FIT BETWEEN EXISTING BEAM STRUCTURE DETAIL AND SCHEDULE

NOT TO SCALE

ELECTRIC CABINET UNIT HEATER SCHEDULE

MARK	LOCATION	HEATER DATA					AIR DATA			DIMENSIONS			TYPE	MAKE/ MODEL	REMARKS
		OUTPUT (MBH)	KW	VOLT	Ø	AMPS	CFM	TEMP. °F		HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)			
								ENT.	LVG.						
1-ECUH-1-1	STAIR #1 S1-1	6142	1.8	120	1	15	100	50	95	19-3/16	15-3/4	3-3/4	SURFACE MOUNTED	QMARK / AWH3180F	SEE BELOW
1-ECUH-1-2	WOMEN RM 106-1	6142	1.8	120	1	15	100	50	95	19-3/16	15-3/4	3-3/4	RECESSED	QMARK / AWH3180F	SEE BELOW
1-ECUH-1-3	MEN RM 105-1	6142	1.8	120	1	15	100	50	95	19-3/16	15-3/4	3-3/4	RECESSED	QMARK / AWH3180F	SEE BELOW
1-ECUH-1-4	VESTIBULE RM 101-1	6142	1.8	120	1	15	100	50	95	19-3/16	15-3/4	3-3/4	RECESSED	QMARK / AWH3180F	SEE BELOW
1-ECUH-1-5	STAIR #2 S2-1	6142	1.8	120	1	15	100	50	95	19-3/16	15-3/4	3-3/4	SURFACE MOUNTED	QMARK / AWH3180F	SEE BELOW

REMARKS:

1. PROVIDE WALL MOUNTED CABINET UNIT HEATER WITH FRONT INLET AND TOP OUTLET.
2. PROVIDE DEAD FRONT DISCONNECT SWITCH.
3. PROVIDE WALL MOUNTED THERMOSTAT FOR ALL UNITS.
4. PROVIDE SURFACE MOUNTING FRAME, MODEL AWHS2 FOR UNITS LOCATED IN STAIRCASES.
5. PROVIDE RELAY ACCESSORY MODEL WH-R
6. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH BUILDING MANAGEMENT CONTROL SYSTEM.
7. REFER TO SPECIFICATION SECTION FOR MORE INFORMATION AND REQUIREMENTS.

ELECTRIC UNIT HEATER SCHEDULE

MARK	LOCATION	HEATER DATA				AIR DATA			FAN MOTOR DATA				MAKE/ MODEL	REMARKS
		OUTPUT (MBH)	KW	VOLT	Ø	CFM	TEMP. °F		HP	RPM	VOLTS	Ø		
							ENT.	LVG.						
1-EUH-B-1	KITCHEN SUPPLY RM B06-1	10.2	3.0	208	1	350	50	95	1/100	1600	208	1	QMARKMUH-0381	SEE BELOW
1-EUH-B-2	RECEIVING RM B05-1	10.2	3.0	208	1	350	50	95	1/100	1600	208	1	QMARKMUH-0381	SEE BELOW
1-EUCH-CS-2	CRAWL SPACE	10.2	3.0	208	1	350	50	95	1/100	1600	208	1	QMARKMUH-0381	SEE BELOW
1-EUCH-CS-2	CRAWL SPACE	10.2	3.0	208	1	350	50	95	1/100	1600	208	1	QMARKMUH-0381	SEE BELOW

REMARKS:

1. PROVIDE WALL MOUNTED SUPPORTS FOR 1-EUH-B-1 AND 1-EUH-B-2.
2. UNIT 1-EUH-CS-1 AND 1-EUH-CS-2 SHALL BE HUNG FROM UNDERSIDE OF STRUCTURE.
3. PROVIDE WALL MOUNTED THERMOSTATS.
4. PROVIDE CONTROL AND MONITORING CAPABILITY THROUGH BUILDING MANAGEMENT CONTROL SYSTEM.
5. REFER TO SPECIFICATION SECTION FOR MORE INFORMATION AND REQUIREMENTS.

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	WJY

Drawing Title:
BUILDING 1 - SCHEDULES - MECHANICAL

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: 12" = 1'-0"
Drawn By: WJY
Project Number: 22.060

Drawing Number: M400-1

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COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR: CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HS82HP		COMMMENTS
W ▶	Wall Phone Outlet	1		1			1			1	1		1			Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1				Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1				Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1				Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1				Mounting Height 18" AFF unless otherwise noted.
1V1D ▶	1 Voice - 1 Data Outlet		1	1			1			2	2	1				Mounting Height 18" AFF unless otherwise noted.
1V2D ▶	1 Voice - 2 Data Outlet		1	1			1			3	3	1				Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1				Mounting Height 18" AFF unless otherwise noted.
#V #D ▶	Floor Box						A/R			A/R	A/R	1				Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP	Wireless Access Point Ceiling Mounted									2	2			1		Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans - Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
AP ▶	Wireless Access Point Wall Mounted	1		1			1			2	2			1		
MON ▷	1 Data Outlet For Monitor				1		1			1	1					Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1		Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1		Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1		Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES:

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS AP'S = ORANGE
   D. SECURITY CAMERAS = BLACK

(1)

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
(S)	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	12" SQ., Wall Mounted Speaker. - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					12" Clock Unless Otherwise Noted on Plans. 16" = 16" diameter clock - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #25LVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Exterior / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX.	1-1/2" C	CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR: CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6' PATCH CABLE	BELDEN #6924A/ COMPOSIT CABLE PLENUM, or EQUIV. 18-6C SHLD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM			COMMENTS
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1									1									
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1					2								DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1				1	A/R													REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD" REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1				1				1					INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR INTERCOM.
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1						1						1					INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICM'S, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1				1								1						
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1				1											1			
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1				1											1			
	DURESS BUTTON	SENTROL UL RATED #3050																	2			PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300															1					MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED.CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1					1											2			MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1					1											1			MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1					1						1					1			MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1								1					
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1			1											1			COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1			1											1			
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1				1											1			COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

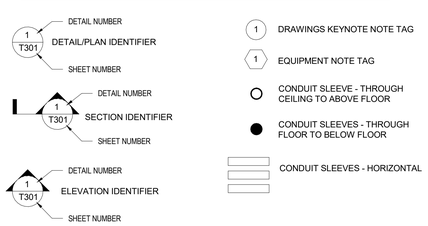
1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS



Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title:
TECH - AV - SEC BUILDING 1
KEY LEGEND & GENERAL NOTES

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number: T001-1

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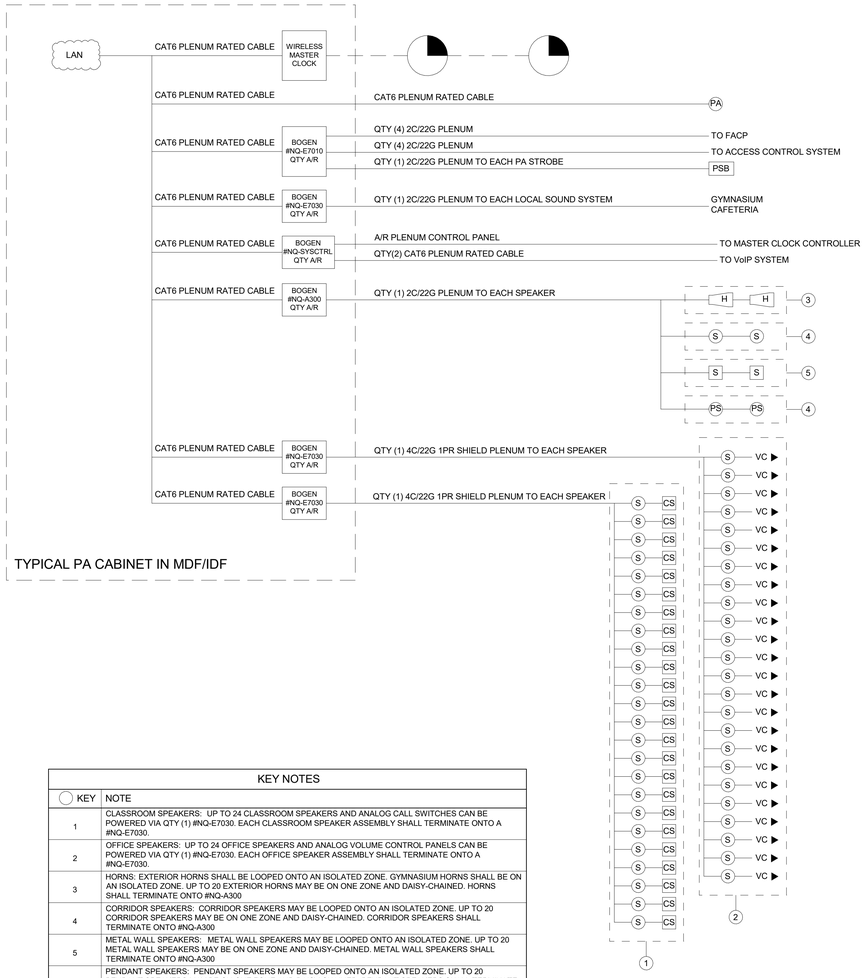
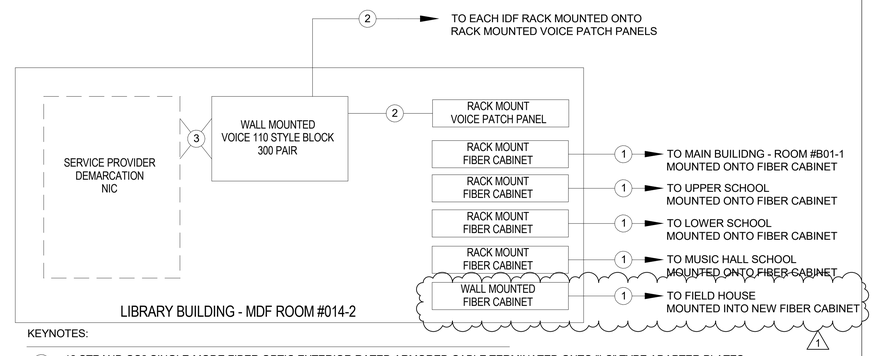


KEY NOTES	
KEY	NOTE
1	CLASSROOM SPEAKERS: UP TO 24 CLASSROOM SPEAKERS AND ANALOG CALL SWITCHES CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH CLASSROOM SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
2	OFFICE SPEAKERS: UP TO 24 OFFICE SPEAKERS AND ANALOG VOLUME CONTROL PANELS CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH OFFICE SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
3	HORNS: EXTERIOR HORNS SHALL BE LOOPED ONTO AN ISOLATED ZONE. GYMNASIUM HORNS SHALL BE ON AN ISOLATED ZONE. UP TO 20 EXTERIOR HORNS MAY BE ON ONE ZONE AND DAISY-CHAINED. HORNS SHALL TERMINATE ONTO #NQ-A300
4	CORRIDOR SPEAKERS: CORRIDOR SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 CORRIDOR SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. CORRIDOR SPEAKERS SHALL TERMINATE ONTO #NQ-A300
5	METAL WALL SPEAKERS: METAL WALL SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 METAL WALL SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. METAL WALL SPEAKERS SHALL TERMINATE ONTO #NQ-A300
6	PENDANT SPEAKERS: PENDANT SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 PENDANT SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. PENDANT SPEAKERS SHALL TERMINATE ONTO #NQ-A300

GENERAL NOTES

1. ALL PUBLIC ADDRESS CABLING FOR DEVICES SHALL BE CABLED TO THE DATA ROOMS AS INDICATED ON THE CABLE DECLINATIONS FOR LOW VOLTAGE CABLING.
2. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
3. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION, SEQUENCE OF OPERATION AND OF WIRING.
4. FOR MICROPHONE CABLE RUNS, MAINTAIN A CLEARANCE OF A MINIMUM OF 12" FROM CONDUIT AND CABLES USED FOR ELECTRICAL POWER DISTRIBUTION. WHERE THIS IS NOT FEASIBLE, CROSS HIGHER VOLTAGE LINES PERPENDICULARLY.
5. ALL PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING MATERIAL.
6. SPEAKER CONDUCTORS INSTALLED IN ROOMS OF INSTRUCTION AND OFFICES SHALL BE ONE CONTINUOUS HOME RUN TO THE CENTRAL CONTROL RACK NO SPLICES SHALL BE ALLOWED.
7. THIS RISER DIAGRAM IS SHOWN AS REFERENCE TO INDICATE LOOPING AND ZONING REQUIREMENTS, ACTUAL QUANTITIES MUST BE CONFIRMED BY THE BIDDING CONTRACTOR AND BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS, T-SERIES.
8. PA SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 2010 OR THE MOST CURRENT FIRE CODE STANDARD ADOPTED BY THE STATE OF CONNECTICUT.
9. THE FIRE ALARM CONNECTION WITH THE PA SYSTEM SHALL BE COORDINATED WITH OWNER, FIRE ALARM INSTALLER, SECURITY CONSULTANT, AND PA DESIGNER.
10. PRIORITY OVERRIDE LOADS IN EACH INTERACTIVE DISPLAY LOCATION MUST BE CALCULATED INTO THE PUBLIC ADDRESS AMPLIFIER LOADS.
11. A 1 WATT REPEATER SHALL BE INCLUDED IN EACH DATA CLOSET FOR THE WIRELESS CLOCK SYSTEM.
12. ALL EXTERIOR HORNS SHALL BE ON AN ISOLATED ZONE AND CAPABLE OF BEING PROGRAMMED TO ONLY ENGAGE DURING BUS OR EMERGENCY ANNOUNCEMENTS.
13. ALL LAN CONNECTIONS SHOWN ON THE TYPICAL WIRING DIAGRAM SHALL TERMINATE ONTO THE REAR OF 19" CATEGORY 6 RATED PATCH PANELS MOUNTED IN THE TWO/FOUR POST RACKS AS SHOWN ON THE MDF/IDF TECHNOLOGY DETAILS.
14. REFER TO PUBLIC ADDRESS SPECIFICATION FOR ALL REQUIRED LICENSES.
15. NETWORK ELECTRONICS (NETWORK SWITCHES) WILL BE OWNER FURNISHED IN A LATER PHASE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THIS PROJECT TO ADVISE THE OWNER ON IP ADDRESSING, CREATION OF VLANS, AND TO FURNISH THE CONFIGURATION REQUIRED FOR A FULLY FUNCTIONAL PUBLIC ADDRESS SYSTEM ON THE OWNER'S LAN. THE CONTRACTOR SHALL INCLUDE WORK HOURS REQUIRED TO CONFIGURE THIS SYSTEM WITH THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION PROJECT WHEN THE SWITCHES ARE FURNISHED AND INSTALLED.

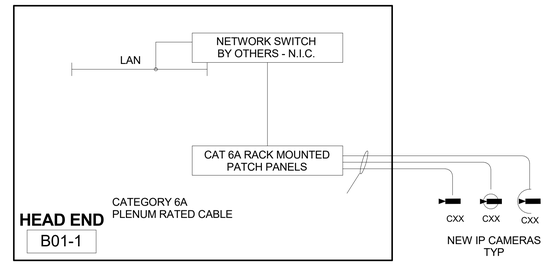
PUBLIC ADDRESS SYSTEM | NTS | 01



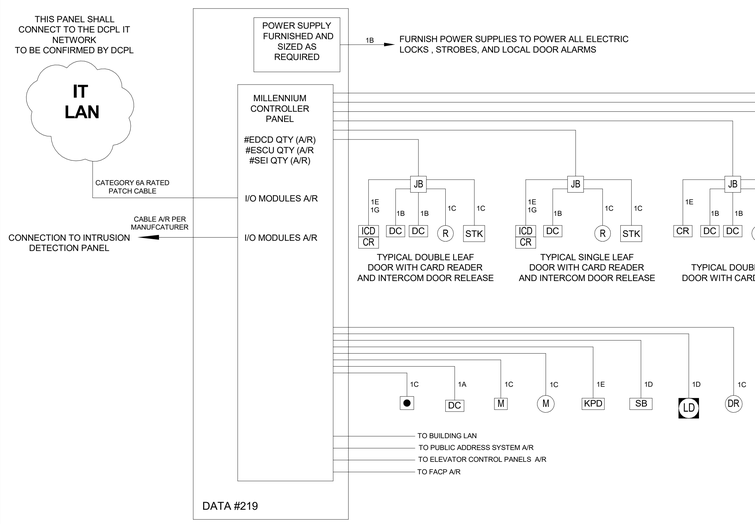
KEYNOTES:

1. 12 STRAND OS2 SINGLE-MODE FIBER OPTIC EXTERIOR RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FIBER CABLING SHALL NOT EXTEND MORE THAN 50FT INTO ANY BUILDING WITHOUT BEING INSTALLED WITHIN CONDUIT OR TRANSITIONED TO INDOOR, PLENUM RATED CABLING.
2. 25 PAIR CATEGORY 3 RATED PLENUM CABLE FROM 300 PAIR 110 STYLE WALL MOUNTED BLOCK AT THE SERVICE PROVIDERS DEMARC AND TERMINATED ONTO 110 STYLE 24 PORT, RACK MOUNTED PATCH PANELS IN EQUIP. RM B01-1 & EACH OTHER DATA ROOM ON RACK MOUNTED PANELS, TERMINATE EACH PAIR OF THE COPPER RISER CABLES ON THE BLUE PAIR (PR 1) OF EACH PORT OF THE PATCH PANELS. COIL THE 25TH PAIR (VIOLET/SLATE) AT THE PATCH PANEL END OF EACH CABLE FOR REPAIR OR FUTURE USE
3. CROSS CONNECT A MINIMUM OF 300 PAIRS BETWEEN THE SERVICE PROVIDERS DEMARCATION BLOCK AND THE 110 STYLE BLOCKS.
4. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED. 1

INTERBUILDING BACKBONE CABLE DIAGRAM | NTS | 02

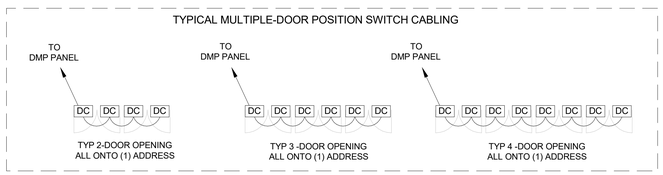


VIDEO SURVEILLANCE TOPOLOGY DIAGRAM | NTS | 03



DESIGNATION	WIRE TYPE
1A	#22 - 2C PLENUM
1B	#22 - 4C PLENUM
1C	#14 - 4C PLENUM
1D	#18 - 4C PLENUM
1E	#18 - 6C SHL'D PLENUM
1G	CAT 6 PLENUM CABLE
1H	CAT 6 PATCH CABLE
1J	#18-2C SOLID CONDUCTOR
1K	#22-6C PLENUM
1L	#18 - 2C INDOOR/OUTDOOR
1M	#14 - 2C INDOOR/OUTDOOR

TYPICAL MULTIPLE-DOOR POSITION SWITCH CABLING



NOTES:

1. QTY OF ENHANCED DOOR CONTROLLERS AND ENHANCED SITE CONTROLLERS SHALL BE PER CARD READER QUANTITIES ON PLANS. ALL REQUIRED CONTROL CABLING FROM THE DATA ROOMS TO EACH ACCESS CONTROL DEVICE IS REQUIRED AS PART OF HIS BID MANUAL.
2. QUANTITY OF ACCESS CONTROL MODULES AS REQUIRED IN EACH DATA ROOM.
3. INTERCOM DOOR RELEASE SYSTEM SHALL RELEASE THE DOOR FROM THE DMP PANEL.
4. STROBES SHALL BE ENGAGED UPON ACTIVATION OF LOCKDOWN BUTTON.
5. DOORS WITH LOCAL DOOR ALARMS SHALL SOUND WHEN DOORS ARE OPENED.
6. DOORS WITH LOCAL DOOR ALARMS AND KEY SWITCHES SHALL BE CONFIGURED FOR THE KEY SWITCH TO OVERRIDE THE LOCAL ALARM WHEN ENGAGED. ALL KEY SWITCHES SHALL BE KEYED ALIKE.
7. DOORS WITH LOCAL DOOR ALARMS AND CARD READERS SHALL BE CONFIGURED SO CARD READER BYPASSES LOCAL ALARM.
8. ALL ZONE EXPANDERS SHALL BE LOCATED WITHIN THE DATA ROOMS.
9. ALL ZONE EXPANDERS MUST CONNECT VIA A #22-6C PLENUM RATED CABLE. THIS INCLUDES CONNECTIVITY OF ZONE EXPANDERS BETWEEN ALL DATA ROOMS AND THE SERVER ROOM.
10. ALL ENCLOSURES, CABLING, TERMINATIONS, CONFIGURATION AND FINAL TESTING IS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
11. THE ACCESS CONTROLLED DOOR SHALL INTEGRATE WITH THE DISTRICT ACCESS CONTROL SERVER.
12. DMP PANEL SHALL INTEGRATE WITH AVIGILON VIDEO SURVEILLANCE SYSTEM TO MONITOR DOOR PROPPING IN REAL TIME OVER THE AVIGILON MAP FEATURE.

EXPANSION MODULES CABLE DISTANCES BASED UPON CURRENT DRAW AND CABLE GAUGE (IF USING SHIELDED CABLE, DIVIDE THESE VALUES IN HALF)

TOTAL LOAD (MA @ 11.5 VDC)	22 AWG	20 AWG	18 AWG	16 AWG
1-8 MA	12,000 FEET	12,000 FEET	12,000 FEET	12,000 FEET
9-16 MA	7,270 FEET	11,710 FEET	12,000 FEET	12,000 FEET
17-24 MA	4,850 FEET	7,810 FEET	12,000 FEET	12,000 FEET
25-32 MA	3,640 FEET	5,850 FEET	9,260 FEET	12,000 FEET
33-40 MA	2,910 FEET	4,680 FEET	7,410 FEET	11,760 FEET
41-48 MA	2,420 FEET	3,900 FEET	6,170 FEET	9,800 FEET
49-56 MA	2,080 FEET	3,350 FEET	5,290 FEET	8,400 FEET
57-64 MA	1,820 FEET	2,930 FEET	4,630 FEET	7,350 FEET
65-72 MA	1,620 FEET	2,600 FEET	4,110 FEET	6,540 FEET
73-80 MA	1,450 FEET	2,340 FEET	3,700 FEET	5,880 FEET
81-88 MA	1,320 FEET	2,130 FEET	3,370 FEET	5,350 FEET
89-96 MA	1,210 FEET	1,950 FEET	3,090 FEET	4,900 FEET
97-104 MA	1,120 FEET	1,800 FEET	2,850 FEET	4,520 FEET
105-112 MA	1,040 FEET	1,670 FEET	2,650 FEET	4,200 FEET
113-120 MA	970 FEET	1,560 FEET	2,470 FEET	3,920 FEET
121-128 MA	910 FEET	1,460 FEET	2,310 FEET	3,680 FEET

TYPICAL ACCESS CONTROL WIRING DIAGRAM | NTS | 04

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

d'agostino & ASSOCIATES
Technology Security Audio Visual
477 Main Street, Suite 210B | Monroe CT 06468
203.497.3064 da-technology.com

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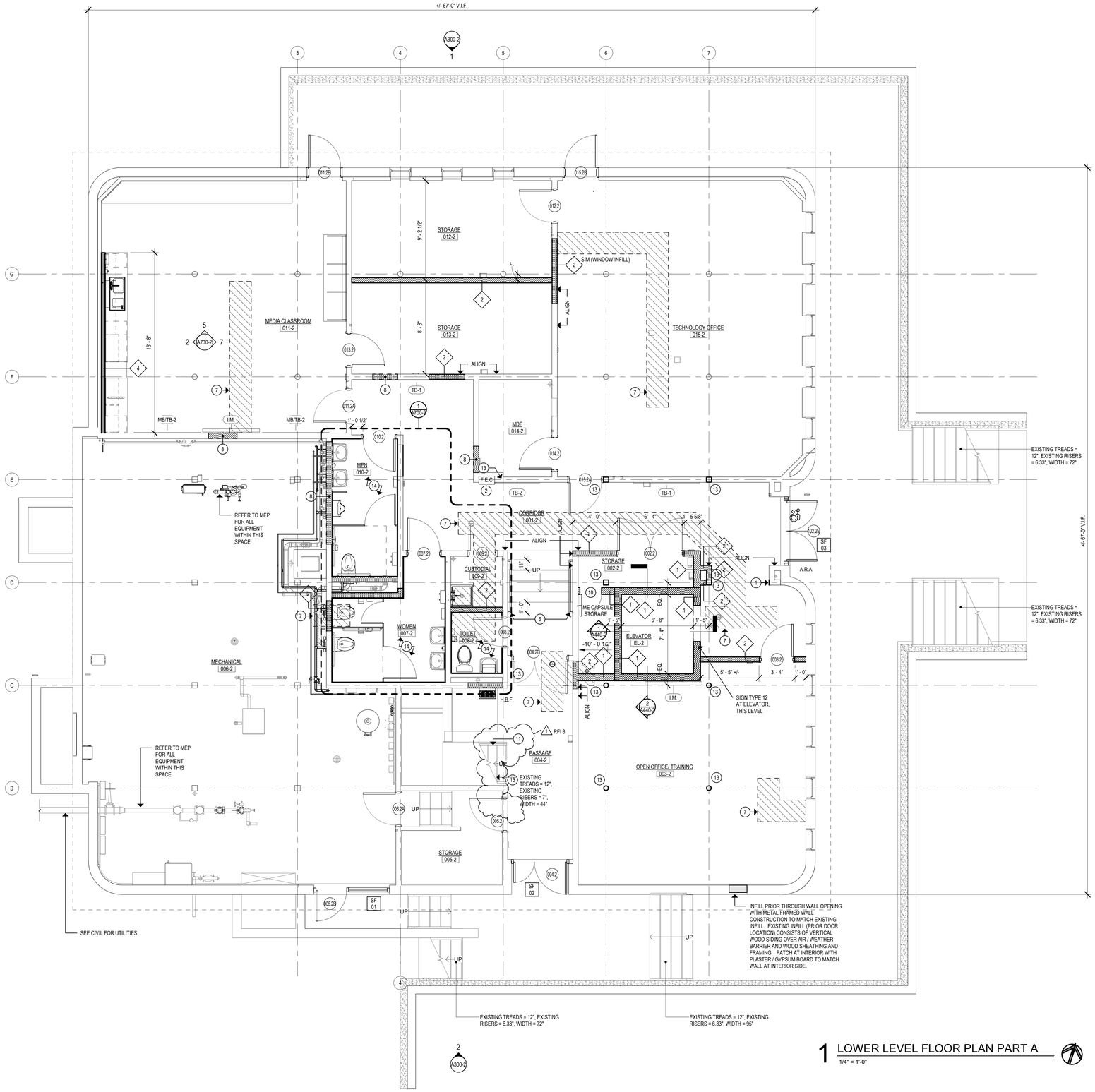
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

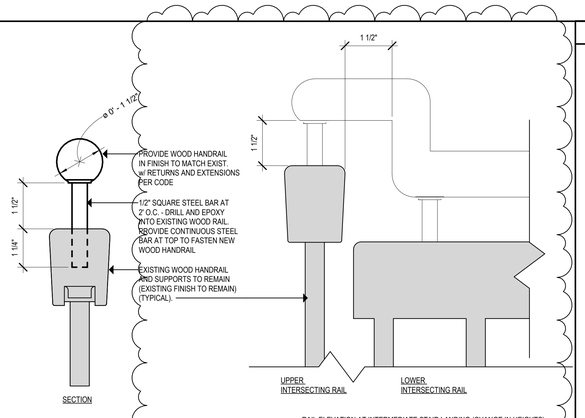
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - SEC BUILDING 1 - WIRING DIAGRAMS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG
Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050
Drawing Number: T400-1

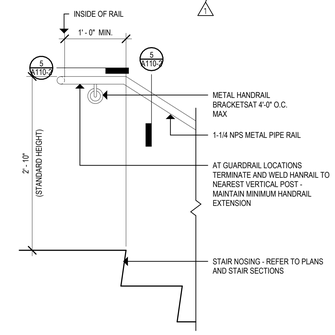
1/8/2026 8:05:49 AM



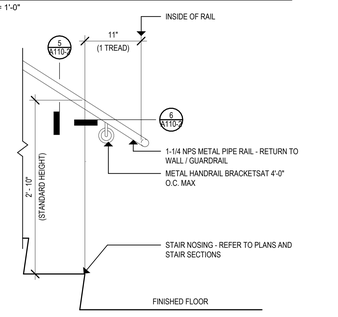
1 LOWER LEVEL FLOOR PLAN PART A
1/4" = 1'-0"



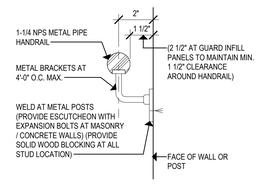
2 TYPICAL HANDRAIL DETAIL
6" = 1'-0"



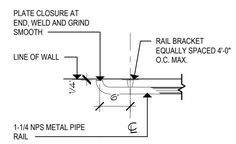
3 HANDRAIL TERMINATION AT TOP OF STAIRS
1" = 1'-0"



4 HANDRAIL TERMINATION AT BOTTOM OF STAIR
1" = 1'-0"



5 HANDRAIL SECTION
3" = 1'-0"



TOP AND BOTTOM

6 HANDRAIL RETURN PLAN DETAIL
1" = 1'-0"

SYMBOL LEGEND

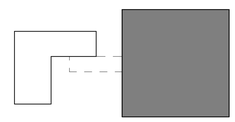
- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 A — DOOR NUMBER
- 1i — WINDOW TYPE
- Room name 101 — ROOM NAME / ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
- 2 / A101 — EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — BUILDING SECTION NUMBER / SHEET NUMBER
- 2 / A101 — WALL SECTION NUMBER / SHEET NUMBER
- A.R.A. — EXTERIOR AREA OF RESCUE ASSISTANCE (2-WAY COMMUNICATION) REFER TO ELECTRICAL DWGS.
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- D.F./B.F. — HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER
- B.F. — ACCESSIBLE BOTTLE FILLING STATION
- A.E.D. — AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- WB-X — -WHITEBOARD/ TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE AND PROJECT MANUAL
- I.M. — -INTERACTIVE MONITOR; SEE TECH/ ELEC. DRAWINGS FOR MORE INFO.

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY DEMOLITION AND NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

1	PATCH AND REPAIR EXISTING MASONRY AND PLASTER WALL (TO MATCH ADJACENT) AT LOCATION IMPACTED BY DEMOLITION OF EXISTING, PERPENDICULAR WALL.
2	PROVIDE RECESSED F.E.C. WITHIN EXISTING CMU OR NEW GYP. BOARD WALL OPENING. EXPAND/INFILL EXISTING OPENING AS REQUIRED TO MATCH NEW CABINET.
3	ALIGN EACH ADJACENT CMU WALL w/ FACE OF EXISTING COLUMN. PROVIDE SEALANT AT ALL CMU TO COLUMN JOINTS (TYP)
4	INFILL EXISTING WALL OPENING w/ METAL STUD, GYPSUM, AND VENEER PLASTER TO MATCH EXISTING, ADJACENT WALL IN THICKNESS AND APPEARANCE.
5	PROVIDE HORIZONTAL HAT CHANNELS OR SHIMS AS NECESSARY TO MATCH EXISTING, ADJACENT WALL THICKNESSES
6	PROVIDE METAL HANDRAIL (EACH SIDE) WITH METAL BRACKETS FASTENED TO WALL 4'-0" O.C. MAX. REFER TO DETAILS 3-6 ON SHEET A110-2 FOR HANDRAIL SECTIONS AND EXTENSION DETAILS.
7	(INDICATED BY DIAGONAL HATCH) PROVIDE CONCRETE SLAB INFILL, INCLUDING SUBBASE AND VAPOR BARRIER, AT ALL AREAS OF TRENCHING. REFER TO STRUCTURAL FOR TYPICAL DETAIL.
8	(INDICATED BY CMU DIAGONAL CROSS HATCH) PROVIDE CMU INFILL AT EXISTING LOUVER/DUCT OPENING. CMU SIZE TO MATCH EXISTING, ADJACENT.
9	PATCH PLASTER AT AREA OF BUILT IN COUNTERTOP TO BE REMOVED.
10	PROVIDE 24"W x 48"H LOCKABLE ACCESS PANEL WITH SILL 32" OFF FLOOR
11	PROVIDE NEW WOOD HANDRAIL AND SUPPORTS, AT LOCATION OF ALL EXISTING STAIR HANDRAILS. REFER TO 2/A110. PROVIDE EXTENSIONS AND RETURNS AT TOP AND BOTTOM OF EACH STAIR. PER CODE. SEE DETAIL 2/A110-2
12	PROVIDE VENEER PLASTER OVER ENTIRE GYPSUM WALL FACE FACING MAKER SPACE. TO MATCH EXISTING ADJACENT
13	PROVIDE 1 HR FIRE RATED INTUMENSCENT COATING AT EXISTING STEEL COLUMN
14	PATCH & REPAIR CMU IN THIS AREA DUE TO REMOVAL OF EXISTING CERAMIC WALL TILE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

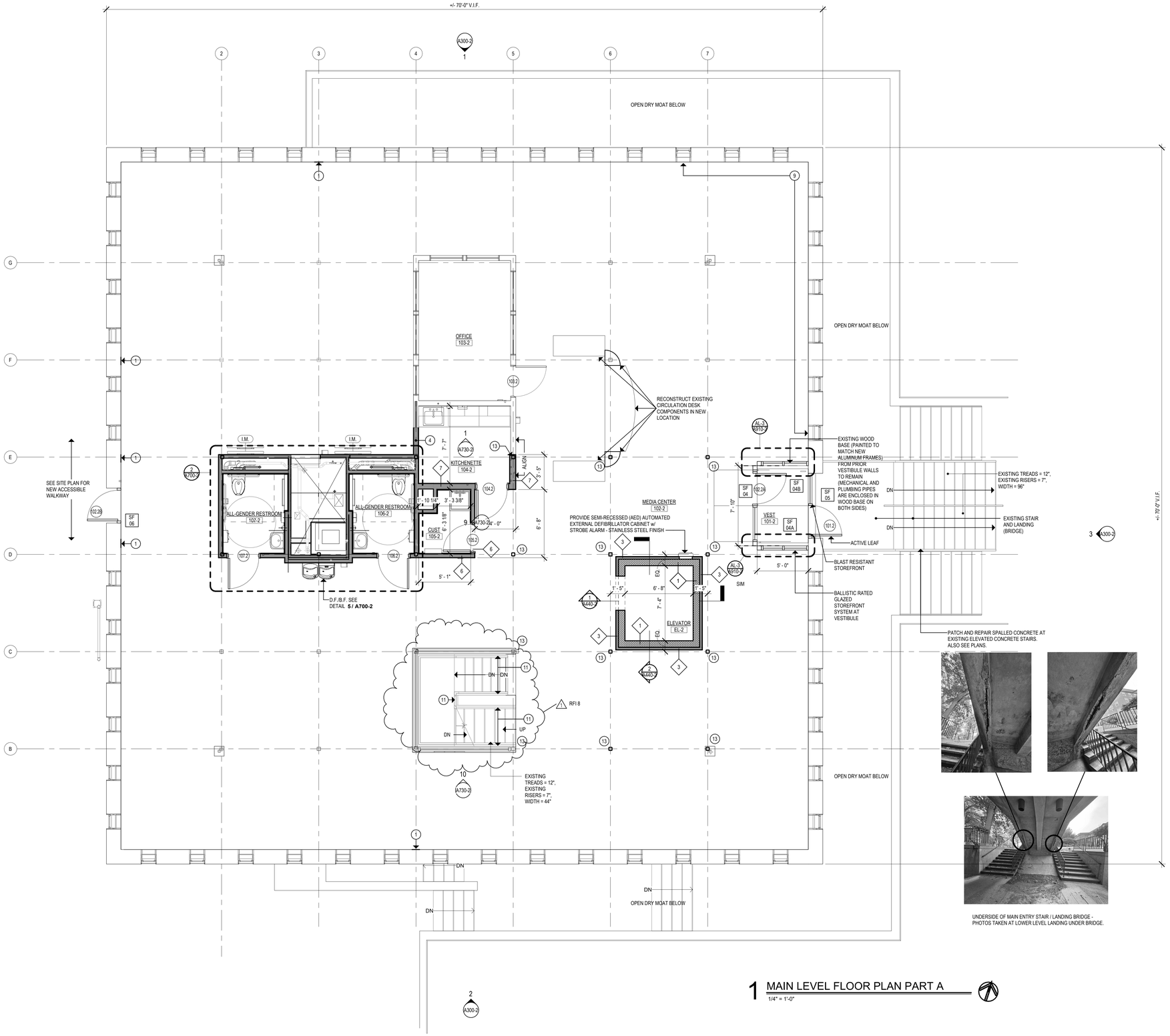
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 2 - LOWER LEVEL FLOOR PLAN PART A
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: CTN
Project Number: 22.050
Drawing Number: A110-2

1/7/2026 8:40:42 AM



1 MAIN LEVEL FLOOR PLAN PART A
1/4" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 / A - DOOR NUMBER
- 1i - WINDOW TYPE
- Room name / 101 - ROOM NAME / ROOM NUMBER
- E3.0 - PARTITION TYPE
- X - CONSTRUCTION NOTE
- 2 / A101 - EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 - INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 - BUILDING SECTION NUMBER / SHEET NUMBER
- 2 / A101 - WALL SECTION NUMBER / SHEET NUMBER
- A.R.A. - EXTERIOR AREA OF RESCUE ASSISTANCE (2-WAY COMMUNICATION) REFER TO ELECTRICAL DWGS.
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
- D.F./B.F. - HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER
- B.F. - ACCESSIBLE BOTTLE FILLING STATION
- A.E.D. - AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- WB-X - -WHITEBOARD/ TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE AND PROJECT MANUAL
- I.M. - -INTERACTIVE MONITOR; SEE TECH/ ELEC. DRAWINGS FOR MORE INFO.

GENERAL NOTES

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3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY DEMOLITION AND NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
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6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

1	PATCH AND REPAIR EXISTING MASONRY AND PLASTER WALL (TO MATCH ADJACENT) AT LOCATION IMPACTED BY DEMOLITION OF EXISTING, PERPENDICULAR WALL
2	PROVIDE RECESSED F.E.C. WITHIN EXISTING CMU OR NEW GYP. BOARD WALL OPENING. EXPAND/INFILL EXISTING OPENING AS REQUIRED TO MATCH NEW CABINET.
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7	(INDICATED BY DIAGONAL HATCH) PROVIDE CONCRETE SLAB INFILL, INCLUDING SUBBASE AND VAPOR BARRIER, AT ALL AREAS OF TRENCHING. REFER TO STRUCTURAL FOR TYPICAL DETAIL.
8	(INDICATED BY CMU DIAGONAL CROSS HATCH) PROVIDE CMU INFILL AT EXISTING LOUVER/DUCT OPENING. CMU SIZE TO MATCH EXISTING, ADJACENT.
9	PATCH PLASTER AT AREA OF BUILT IN COUNTERTOP TO BE REMOVED.
10	PROVIDE 24"W x 48"H LOCKABLE ACCESS PANEL, WITH SILL 32" OFF FLOOR
11	PROVIDE NEW WOOD HANDRAIL AND SUPPORTS, AT LOCATION OF ALL EXISTING STAIR HANDRAILS. REFER TO 2/A110. PROVIDE EXTENSIONS AND RETURNS AT TOP AND BOTTOM OF EACH STAIR, PER CODE. SEE DETAIL 2/A110-2
12	PROVIDE VENEER PLASTER OVER ENTIRE GYPSUM WALL FACE FACING MAKER SPACE, TO MATCH EXISTING ADJACENT
13	PROVIDE 1 HR FIRE RATED INTUMENSCENT COATING AT EXISTING STEEL COLUMN
14	PATCH & REPAIR CMU IN THIS AREA DUE TO REMOVAL OF EXISTING CERAMIC WALL TILE.

KEY PLAN
SCALE: NTS

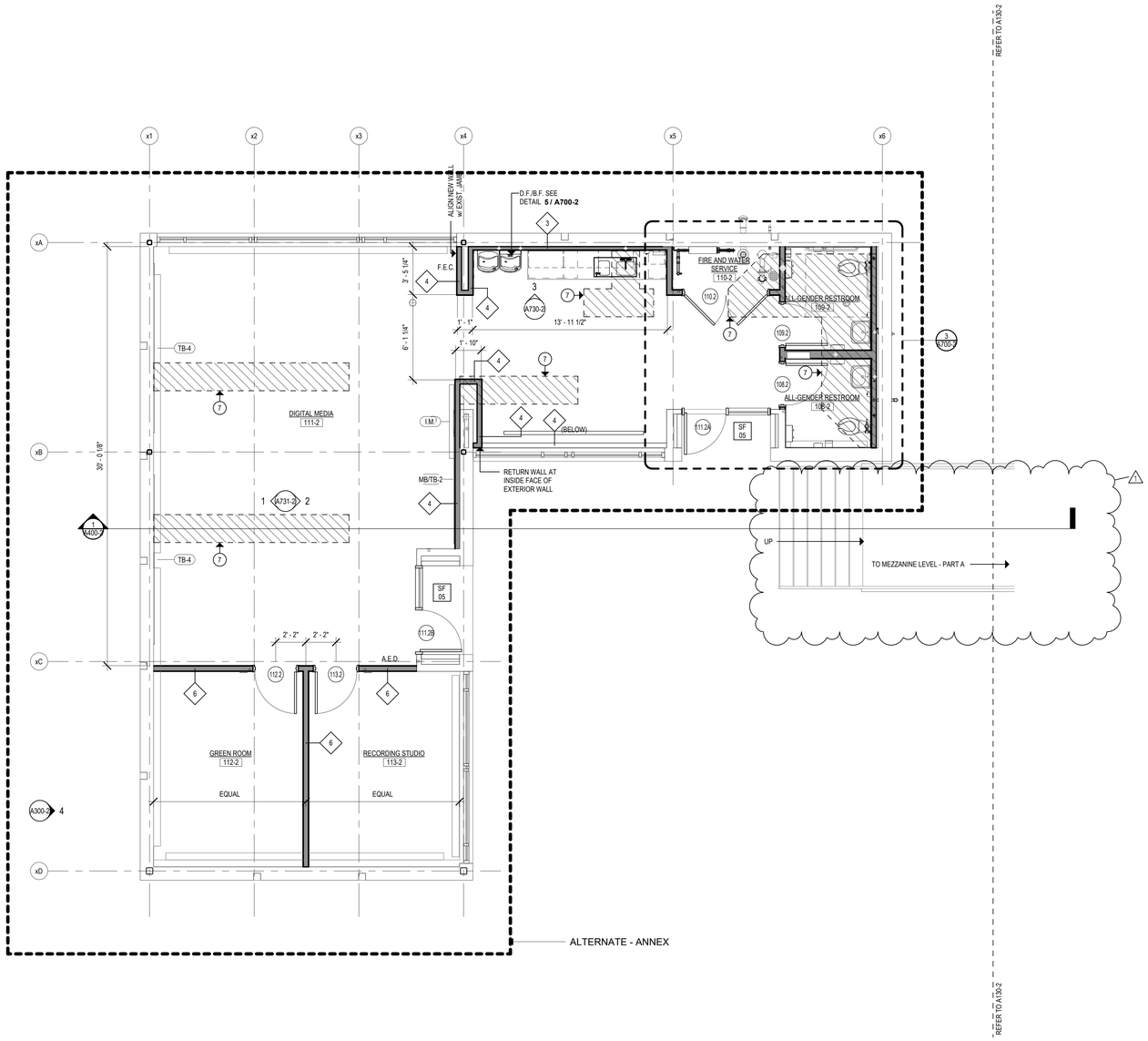
Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 2 - MAIN LEVEL FLOOR PLAN PART A
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: CTN
Project Number: 22.050
Drawing Number: A120-2

1/7/2026 8:40:45 AM



1 MAIN LEVEL FLOOR PLAN PART B (ALTERNATE - ANNEX)
1/4" = 1'-0"

SYMBOL LEGEND

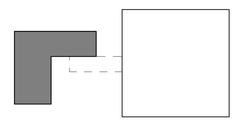
- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 A - DOOR NUMBER
- 1i - WINDOW TYPE
- Room name 101 - ROOM NAME / ROOM NUMBER
- E3.0 - PARTITION TYPE
- X - CONSTRUCTION NOTE
- 2 A101 - EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 A101 - INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 A101 - BUILDING SECTION NUMBER / SHEET NUMBER
- 2 A101 - WALL SECTION NUMBER / SHEET NUMBER
- A.R.A. - EXTERIOR AREA OF RESCUE ASSISTANCE (2-WAY COMMUNICATION) REFER TO ELECTRICAL DWGS.
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
- D.F./B.F. - HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER
- B.F. - ACCESSIBLE BOTTLE FILLING STATION
- A.E.D. - AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- WB-X - WHITEBOARD/ TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE AND PROJECT MANUAL
- I.M. - INTERACTIVE MONITOR; SEE TECH/ ELEC. DRAWINGS FOR MORE INFO.

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY DEMOLITION AND NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

1	PATCH AND REPAIR EXISTING MASONRY AND PLASTER WALL (TO MATCH ADJACENT) AT LOCATION IMPACTED BY DEMOLITION OF EXISTING, PERPENDICULAR WALL
2	PROVIDE RECESSED F.E.C. WITHIN EXISTING CMU OR NEW GYP. BOARD WALL OPENING. EXPAND/INFILL EXISTING OPENING AS REQUIRED TO MATCH NEW CABINET.
3	ALIGN EACH ADJACENT CMU WALL w/ FACE OF EXISTING COLUMN. PROVIDE SEALANT AT ALL CMU TO COLUMN JOINTS (TYP)
4	INFILL EXISTING WALL OPENING w/ METAL STUD, GYPSUM, AND VENEER PLASTER TO MATCH EXISTING, ADJACENT WALL IN THICKNESS AND APPEARANCE.
5	PROVIDE HORIZONTAL HAT CHANNELS OR SHIMS AS NECESSARY TO MATCH EXISTING, ADJACENT WALL THICKNESSES
6	PROVIDE METAL HANDRAIL (EACH SIDE) WITH METAL BRACKETS FASTENED TO WALL 4'-0" O.C. MAX. REFER TO DETAILS 3-6 ON SHEET A110-2 FOR HANDRAIL SECTIONS AND EXTENSION DETAILS.
7	(INDICATED BY DIAGONAL HATCH) PROVIDE CONCRETE SLAB INFILL, INCLUDING SUBBASE AND VAPOR BARRIER, AT ALL AREAS OF TRENCHING. REFER TO STRUCTURAL FOR TYPICAL DETAIL.
8	(INDICATED BY CMU DIAGONAL CROSS HATCH) PROVIDE CMU INFILL AT EXISTING LOUVER/DUCT OPENING. CMU SIZE TO MATCH EXISTING, ADJACENT.
9	PATCH PLASTER AT AREA OF BUILT IN COUNTERTOP TO BE REMOVED.
10	PROVIDE 24"W x 48"H LOCKABLE ACCESS PANEL, WITH SILL 32" OFF FLOOR
11	PROVIDE NEW WOOD HANDRAIL AND SUPPORTS, AT LOCATION OF ALL EXISTING STAIR HANDRAILS. REFER TO 2/A110. PROVIDE EXTENSIONS AND RETURNS AT TOP AND BOTTOM OF EACH STAIR, PER CODE. SEE DETAIL 2/A110-2
12	PROVIDE VENEER PLASTER OVER ENTIRE GYPSUM WALL FACE FACING MAKER SPACE, TO MATCH EXISTING ADJACENT
13	PROVIDE 1 HR FIRE RATED INTUMENSCENT COATING AT EXISTING STEEL COLUMN
14	PATCH & REPAIR CMU IN THIS AREA DUE TO REMOVAL OF EXISTING CERAMIC WALL TILE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

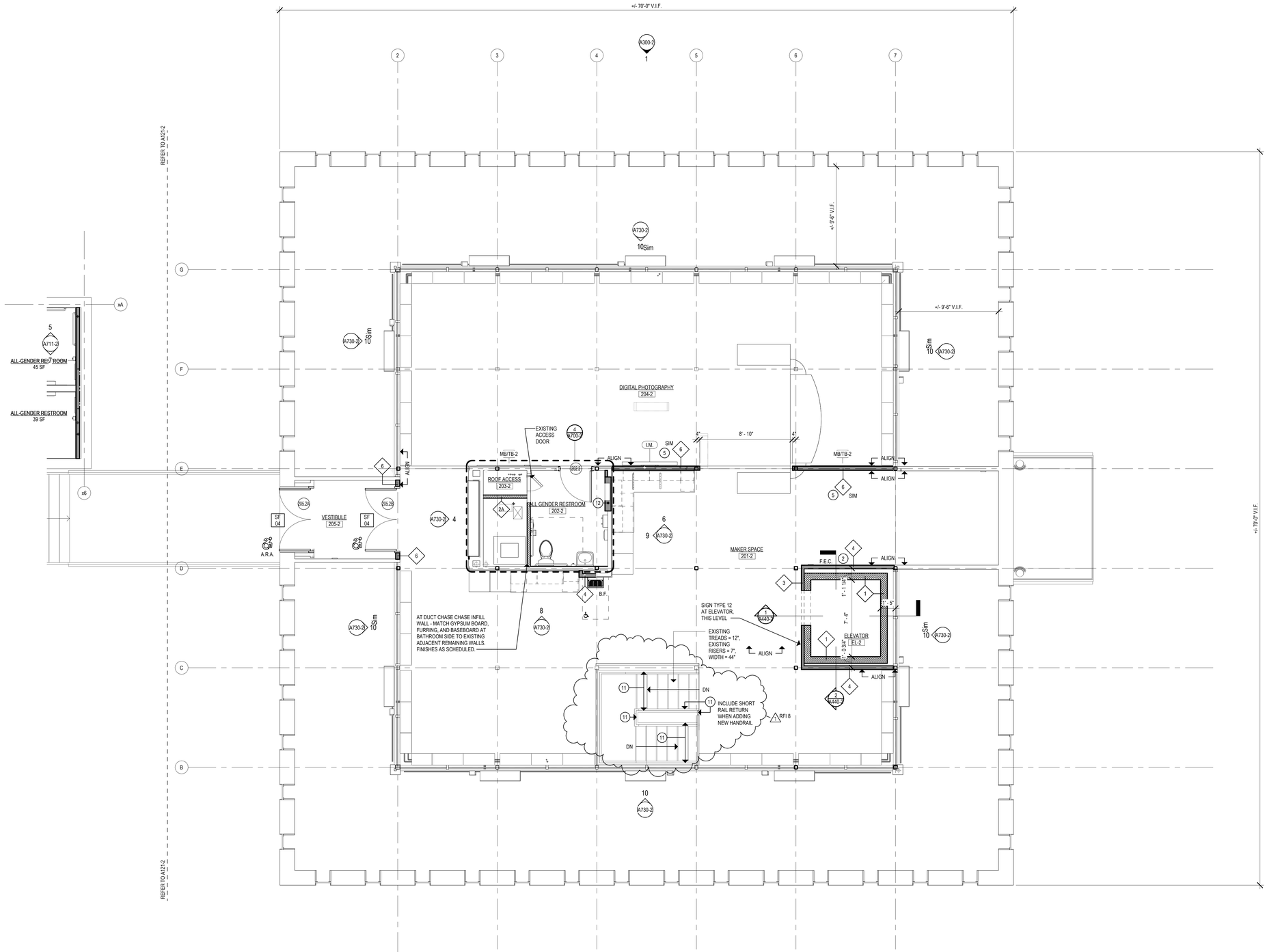
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 2 - MAIN LEVEL FLOOR PLAN PART B
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: CTN
Project Number: 22.050

Drawing Number: A121-2

1/7/2026 8:40:46 AM



1 MEZZANINE LEVEL FLOOR PLAN PART A
1/4" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 A - DOOR NUMBER
- 1i - WINDOW TYPE
- Room name 101 - ROOM NAME - ROOM NUMBER
- E3.0 - PARTITION TYPE
- X - CONSTRUCTION NOTE
- 2 A101 - EXTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 - INTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 - BUILDING SECTION NUMBER - SHEET NUMBER
- 2 A101 - WALL SECTION NUMBER - SHEET NUMBER
- A.R.A. - EXTERIOR AREA OF RESCUE ASSISTANCE (2-WAY COMMUNICATION) REFER TO ELECTRICAL DWGS.
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
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- B.F. - ACCESSIBLE BOTTLE FILLING STATION
- A.E.D. - AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- WB-X - -WHITEBOARD/ TACKBOARD/ PEGBOARD (WB/TB/PB-X); REFER TO SCHEDULE AND PROJECT MANUAL
- I.M. - -INTERACTIVE MONITOR; SEE TECH/ ELEC. DRAWINGS FOR MORE INFO.

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7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

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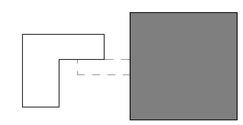


KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 2 - MEZZANINE LEVEL FLOOR PLAN PART A

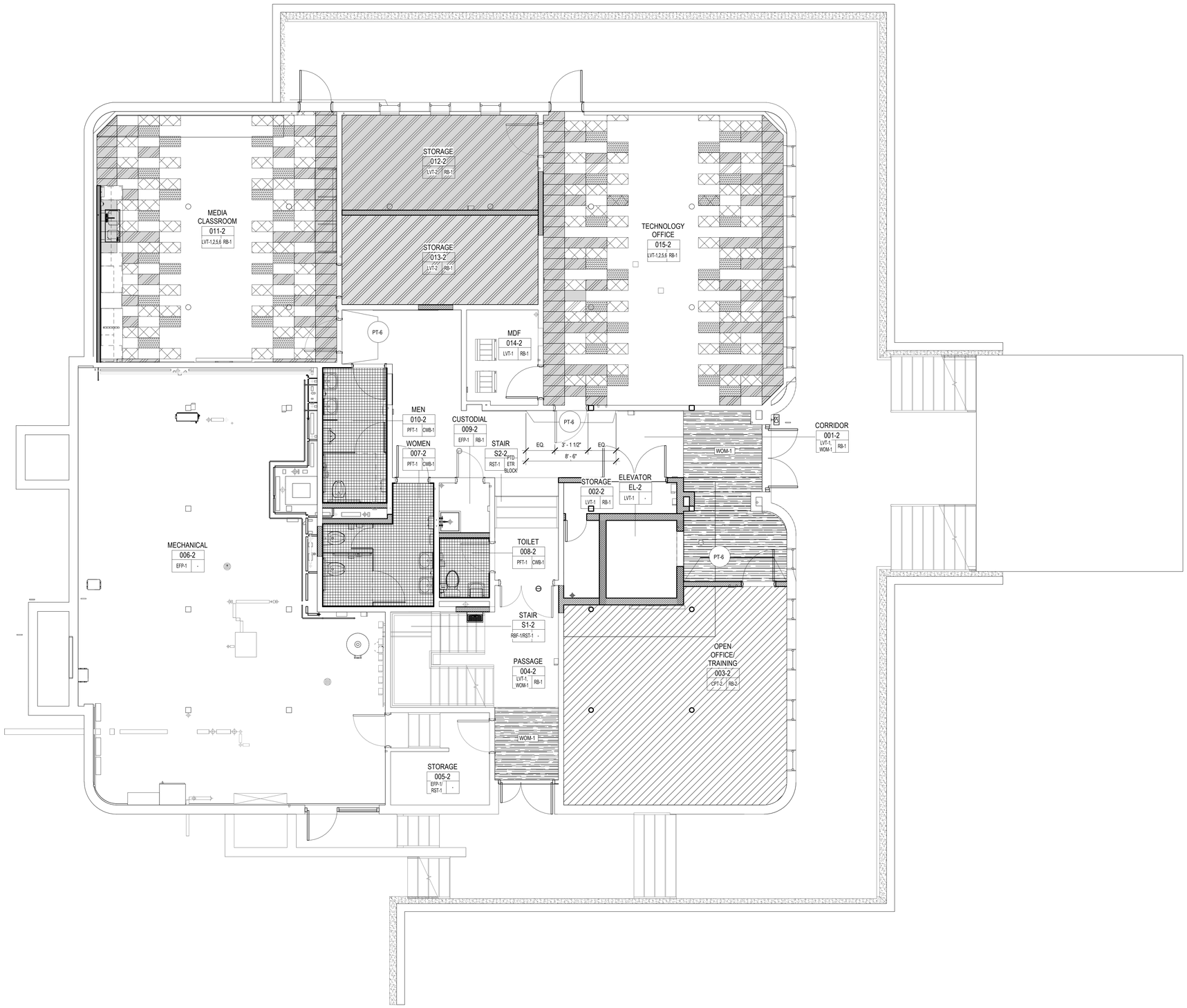
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: CTN
Project Number: 22.050

Drawing Number: A130-2

1/7/2026 8:40:47 AM



1 LOWER LEVEL FLOOR PATTERN PLAN
1/4" = 1'-0"

FLOOR FINISH LEGEND

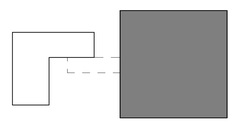
- CPT-1
- CPT-2
- CPT-3
- CPT-4
- EFP-1
- LVT-1
- LVT-2
- LVT-5
- LVT-6
- PFT-1
- RST-1
- RBF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN, MATCH EXISTING.

FINISH KEY NOTES

1. REFURBISH EXISTING DISPLAY CASE; PAINT EXISTING WOOD INTERIOR & TRIM. PROVIDE NEW GLASS SHELVES ON METAL STANDARDS; LOCKABLE SLIDING GLASS DOORS, ETC.
2. PAINT EXISTING WOOD BOOKSHELVES (PT-12), ALL EXPOSED EDGES.
3. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-1); REFER TO PROJECT MANUAL FOR MORE INFO.
4. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-2); REFER TO PROJECT MANUAL FOR MORE INFO.
5. PAINT EXISTING INTERIOR WINDOW AND DOOR FRAMES (PT-12); BOTH SIDES
6. PAINT EXISTING WOOD FRAME WALL (PT-9); BOTH SIDES
7. PREP SURFACES PER MANUFACTURER'S RECOMMENDATIONS FOR RESURFACING OF EXISTING MEDIA CENTER CIRCULATION DESK AND INTEGRATED COLUMN COVERS WITH SURFACING ARCHITECTURAL FILM (SAF-1); SEE PROJECT MANUAL FOR MORE INFO.
8. EXISTING BASE AND UPPER CABINETS TO BE PAINTED; SEE INTERIOR ELEVATIONS. CLEAN SUBSTRATES THAT COULD IMPAIR BOND OF PAINTS (ENCAPSULANTS, DUST, DIRT, ETC.), REPRIME SUBSTRATE WITH COMPATIBLE PRIMER, SAND ALL EXPOSED SURFACES; PROTECT OR TEMPORARILY REMOVE ALL EXISTING HARDWARE AND REINSTALL AFTER PAINTING IS COMPLETE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 2 - LOWER LEVEL FLOOR PATTERN & FINISH PLAN
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD / BD
Project Number: 22.050
Drawing Number: A260-2

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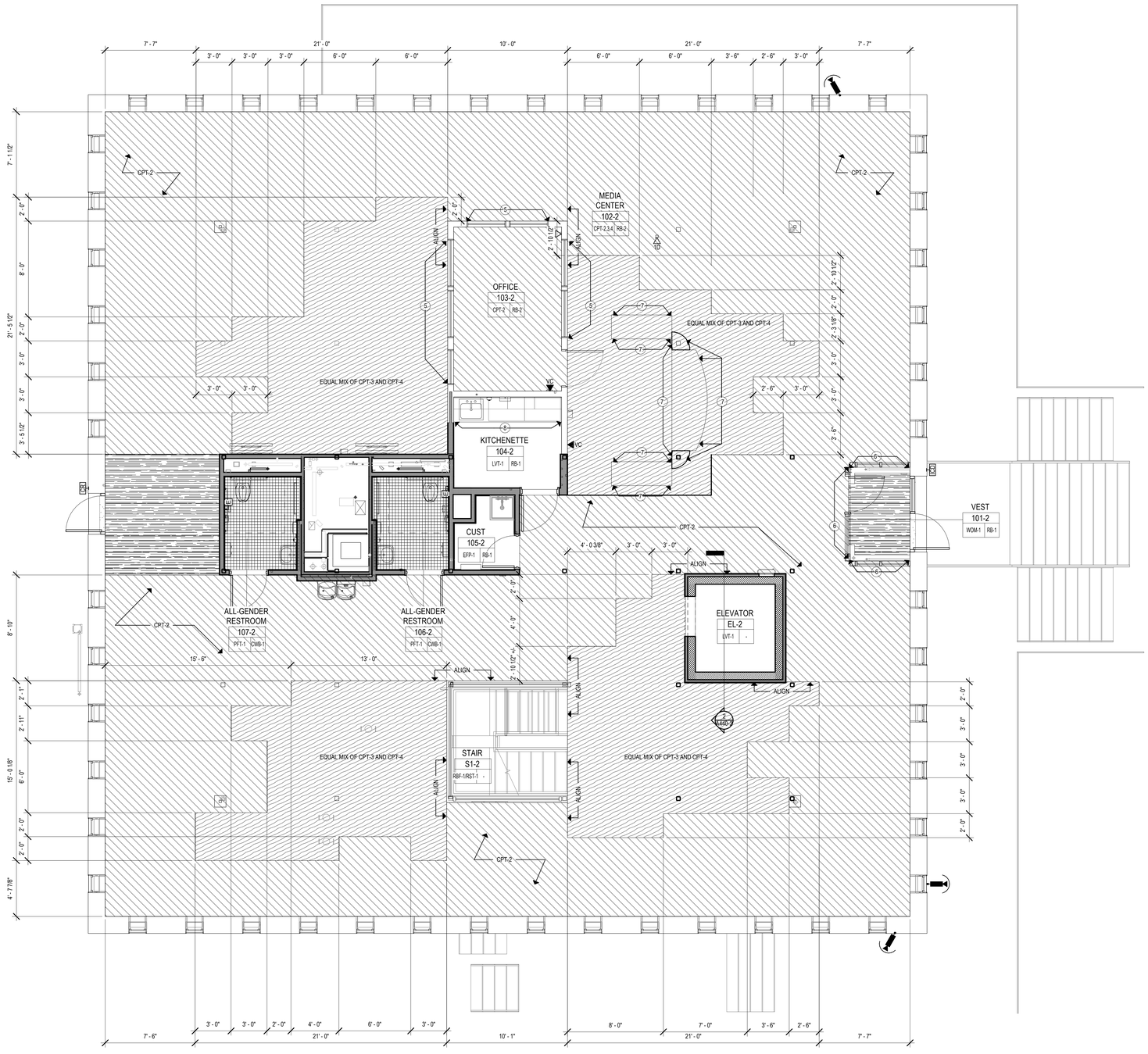

1 MAIN LEVEL FLOOR PATTERN PLAN
PART A
1/4" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- CPT-2
- CPT-3
- CPT-4
- EFP-1
- LVT-1
- LVT-2
- LVT-5
- LVT-6
- PFT-1
- RST-1
- RBF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. REFURBISH EXISTING DISPLAY CASE. PAINT EXISTING WOOD INTERIOR & TRIM. PROVIDE NEW GLASS SHELVES ON METAL STANDARDS; LOCKABLE SLIDING GLASS DOORS, ETC.
2. PAINT EXISTING WOOD BOOKSHELVES (PT-12), ALL EXPOSED EDGES.
3. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-1); REFER TO PROJECT MANUAL FOR MORE INFO.
4. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-2); REFER TO PROJECT MANUAL FOR MORE INFO.
5. PAINT EXISTING INTERIOR WINDOW AND DOOR FRAMES (PT-12); BOTH SIDES
6. PAINT EXISTING WOOD FRAME WALL (PT-9); BOTH SIDES
7. PREP SURFACES PER MANUFACTURER'S RECOMMENDATIONS FOR RESURFACING OF EXISTING MEDIA CENTER CIRCULATION DESK AND INTEGRATED COLUMN COVERS WITH SURFACING ARCHITECTURAL FILM (SAF-1); SEE PROJECT MANUAL FOR MORE INFO.
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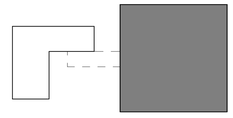

KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 2 - MAIN LEVEL FLOOR PATTERN & FINISH PLAN PART A

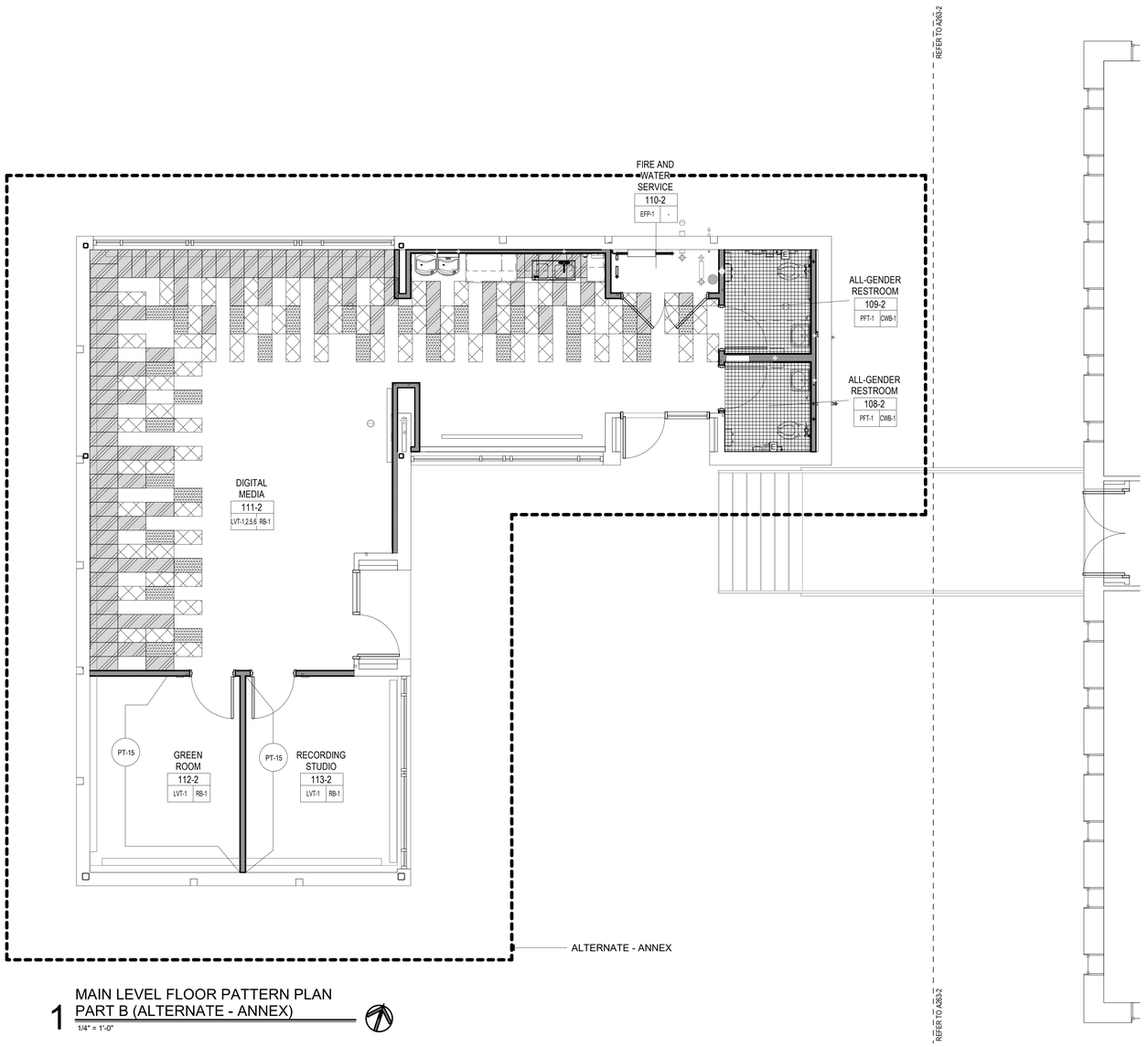
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A261-2

1/8/2026 1:05:53 PM



1 MAIN LEVEL FLOOR PATTERN PLAN
PART B (ALTERNATE - ANNEX)
1/4" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- CPT-2
- CPT-3
- CPT-4
- EFP-1
- LVT-1
- LVT-2
- LVT-5
- LVT-6
- PFT-1
- RST-1
- RBF-1
- WOM-1

GENERAL FINISH NOTES

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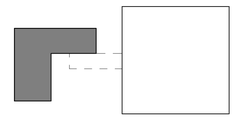
6. PAINT EXISTING WOOD FRAME WALL (PT-9); BOTH SIDES
7. PREP SURFACES PER MANUFACTURER'S RECOMMENDATIONS FOR RESURFACING OF EXISTING MEDIA CENTER CIRCULATION DESK AND INTEGRATED COLUMN COVERS WITH SURFACING ARCHITECTURAL FILM (SAF-1); SEE PROJECT MANUAL FOR MORE INFO.
8. EXISTING BASE AND UPPER CABINETS TO BE PAINTED; SEE INTERIOR ELEVATIONS. CLEAN SUBSTRATES THAT COULD IMPAIR BOND OF PAINTS (ENCAPSULANTS, DUST, DIRT, ETC.), REPRIME SUBSTRATE WITH COMPATIBLE PRIMER, SAND ALL EXPOSED SURFACES; PROTECT OR TEMPORARILY REMOVE ALL EXISTING HARDWARE AND REINSTALL AFTER PAINTING IS COMPLETE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 2 - MAIN LEVEL FLOOR PATTERN & FINISH PLAN PART B

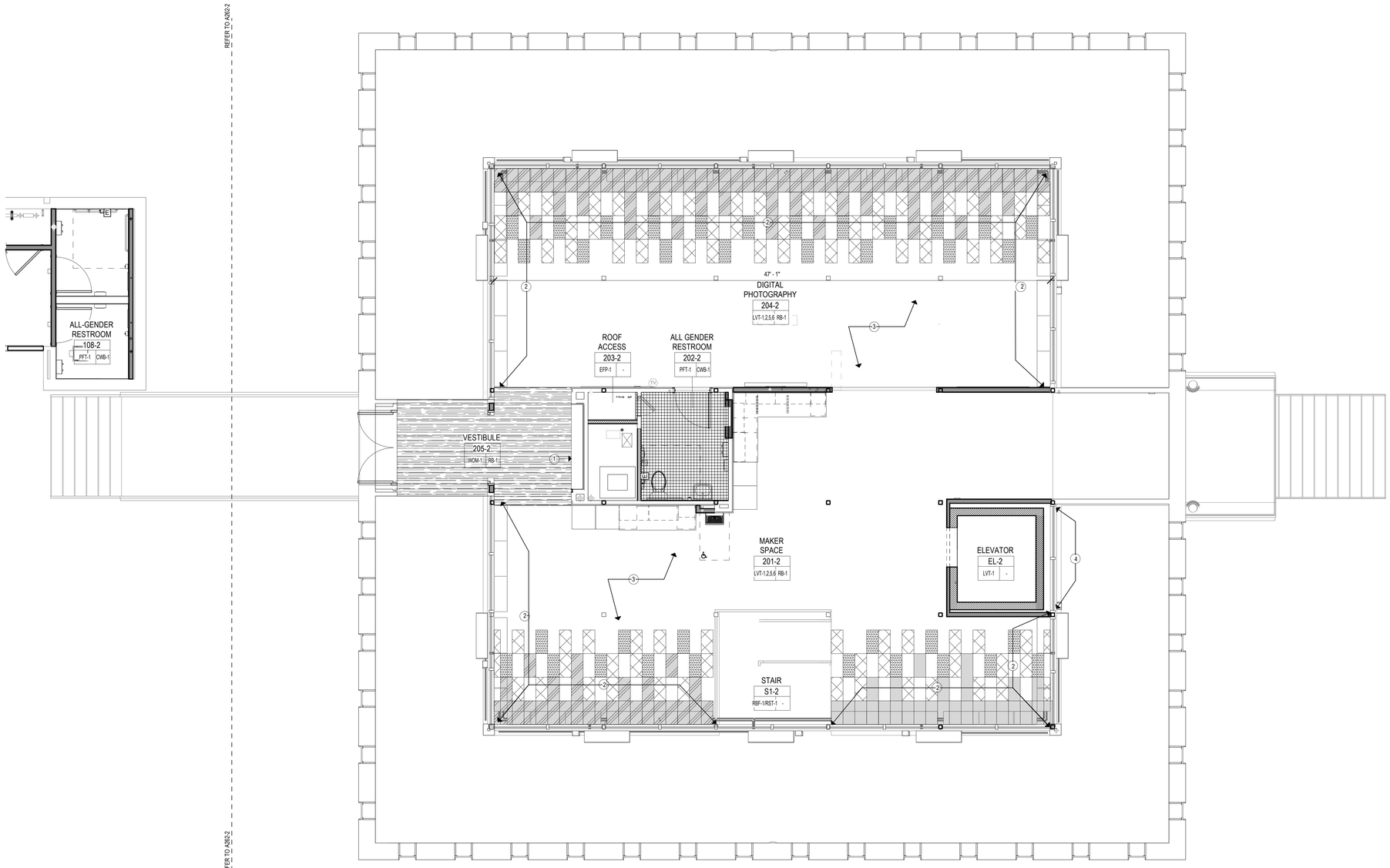
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD / BD
Project Number: 22.050

Drawing Number: A262-2

1/8/2026 1:05:55 PM



1 UPPER LEVEL FLOOR PATTERN PLAN
PART A
1/4" = 1'-0"

FLOOR FINISH LEGEND

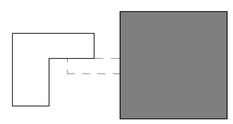
- CPT-1
- CPT-2
- CPT-3
- CPT-4
- EFP-1
- LVT-1
- LVT-2
- LVT-5
- LVT-6
- PFT-1
- RST-1
- RBF-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. REFURBISH EXISTING DISPLAY CASE; PAINT EXISTING WOOD INTERIOR & TRIM. PROVIDE NEW GLASS SHELVES ON METAL STANDARDS; LOCKABLE SLIDING GLASS DOORS, ETC.
2. PAINT EXISTING WOOD BOOKSHELVES (PT-12), ALL EXPOSED EDGES.
3. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-1); REFER TO PROJECT MANUAL FOR MORE INFO.
4. APPLY WINDOW FILM TO INTERIOR GLAZING (DWF-2); REFER TO PROJECT MANUAL FOR MORE INFO.
5. PAINT EXISTING INTERIOR WINDOW AND DOOR FRAMES (PT-12); BOTH SIDES
6. PAINT EXISTING WOOD FRAME WALL (PT-9); BOTH SIDES
7. PREP SURFACES PER MANUFACTURER'S RECOMMENDATIONS FOR RESURFACING OF EXISTING MEDIA CENTER CIRCULATION DESK AND INTEGRATED COLUMN COVERS WITH SURFACING ARCHITECTURAL FILM (SAF-1); SEE PROJECT MANUAL FOR MORE INFO.
8. EXISTING BASE AND UPPER CABINETS TO BE PAINTED; SEE INTERIOR ELEVATIONS. CLEAN SUBSTRATES THAT COULD IMPAIR BOND OF PAINTS (ENCAPSULANTS, DUST, DIRT, ETC.), REPRIME SUBSTRATE WITH COMPATIBLE PRIMER, SAND ALL EXPOSED SURFACES; PROTECT OR TEMPORARILY REMOVE ALL EXISTING HARDWARE AND REINSTALL AFTER PAINTING IS COMPLETE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 2 - MEZZANINE LEVEL
FLOOR PATTERN & FINISH PLAN

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

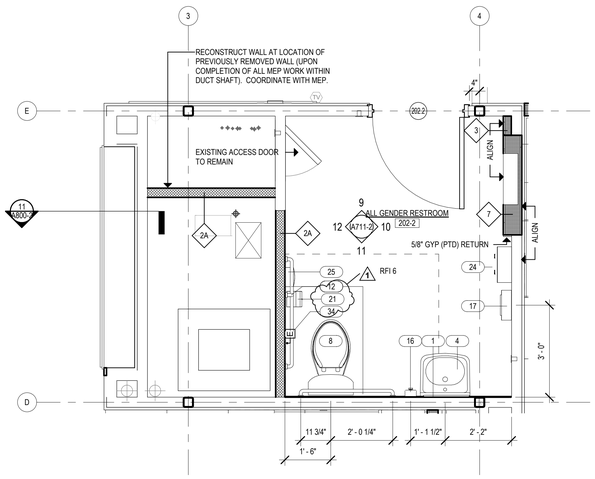
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD / BD
Project Number: 22.050

Drawing Number: A263-2

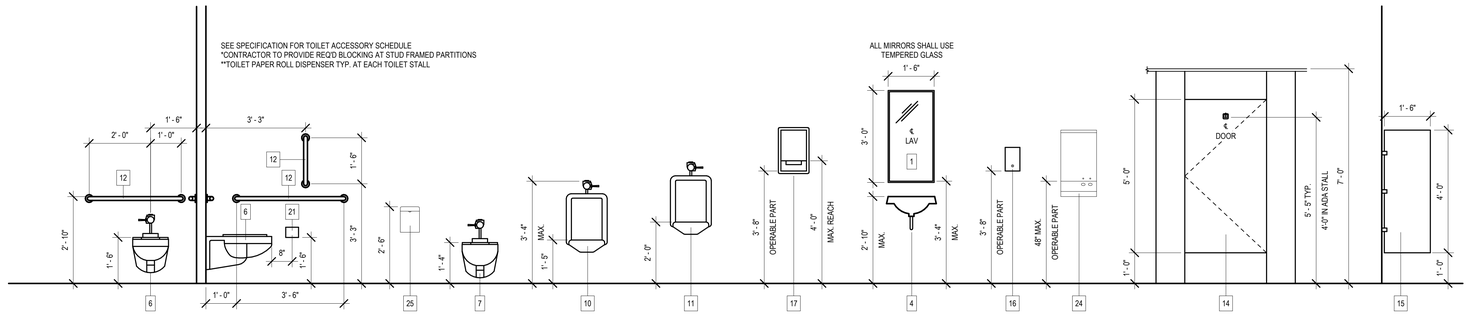
1/8/2026 1:05:56 PM

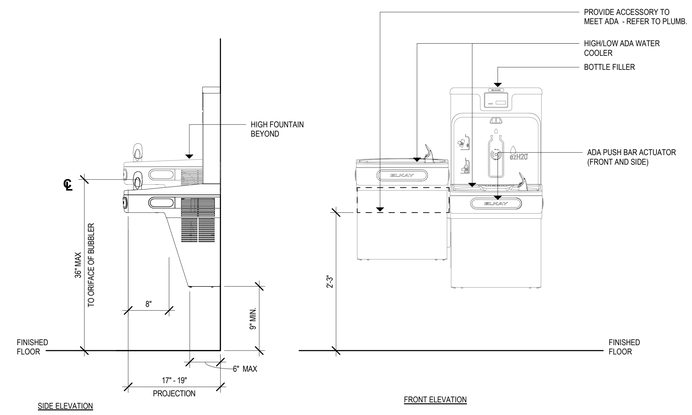
TOILET ROOM FIXTURES & EQUIPMENT

1	1'-6" X 3' MIRROR (CENTER ON LAV)
2	4'-0" X 3'-6" MIRROR (CENTER ON LAV)
3	WALL-MOUNTED 2-STATION H.C. LAV (2'-10" TO TOP)
4	WALL-MOUNTED H.C. LAV (2'-10" TO TOP)
5	LAV SHIELD (PER LAV MANUF. SPEC.)
6	WALL-MOUNTED H.C. WATER CLOSET (18" TO TOP OF SEAT)
7	WALL-MOUNTED WATER CLOSET (18" TO TOP OF SEAT)
8	FLOOR-MOUNTED WATER CLOSET
9	FLOOR-MOUNTED CHILD WATER CLOSET
10	WALL-MOUNTED H.C. URINAL (17" TO RIM)
11	WALL-MOUNTED URINAL (24" TO RIM)
12	WHEELCHAIR-ACCESSIBLE COMPARTMENT WATER CLOSET GRAB BAR ASSEMBLY
13	AMBULATORY COMPARTMENT GRAB BAR ASSEMBLY
14	TOILET PARTITION w/COAT HOOK
15	URINAL SCREEN
16	SURFACE-MOUNTED H.C. SOAP DISPENSER
17	SURFACE-MOUNTED H.C. PAPER TOWEL DISPENSER (ROLL)
18	SURFACE-MOUNTED PAPER TOWEL DISPENSER (C-FOLD)
19	SEMI-RECESSED H.C. PAPER TOWEL DISPENSER / WASTE RECEPTACLE
20	SURFACE MOUNTED H.C. HAND DRYER
21	SURFACE-MOUNTED H.C. TOILET PAPER DISPENSER
22	RECESSED H.C. TOILET PAPER DISPENSER
23	PARTITION-MOUNTED TOILET PAPER DISPENSER
24	SANITARY NAPKIN VENDOR
25	SANITARY NAPKIN DISPOSAL
26	TOILET SEAT COVER DISPENSER
27	RECESSED BABY-CHANGING STATION
28	CHILD-PROTECTION SEAT
29	SPECIAL-NEEDS CHANGING STATION
30	SHOWER ROD, HOOKS, AND CURTAIN
31	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED ROLL-IN SHOWER
32	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED TRANSFER SHOWER
33	ADA FOLD-DOWN SHOWER SEAT
34	CALL FOR AID - SEE ELECTRICAL DWGS
35	COAT HOOK
36	CUSTOM 18" VERTICAL GRAB BAR WELDED TO VERTICAL MOUNTING POST
37	SURFACE-MOUNTED SOUBLE ROLL TOILET TISSUE DISPENSER
38	FRAMELESS MIRROR; SEE INTERIOR ELEVATION FOR SIZE
39	SEMI-RECESSED (AED) AUTOMATED EXTERNAL DEFIBRILLATOR CABINET w/ STROBE ALARM - STAINLESS STEEL FINISH
40	SURFACE-MOUNTED BABY CHANGING STATION

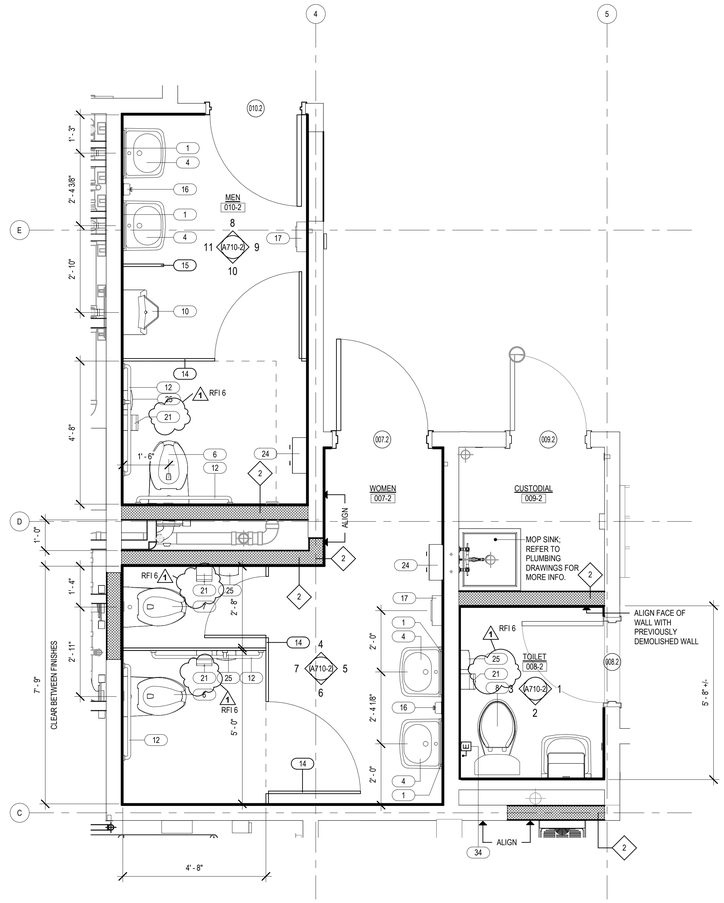


4 ENLARGED ALL GENDER RESTROOM 202-2
1/2" = 1'-0"

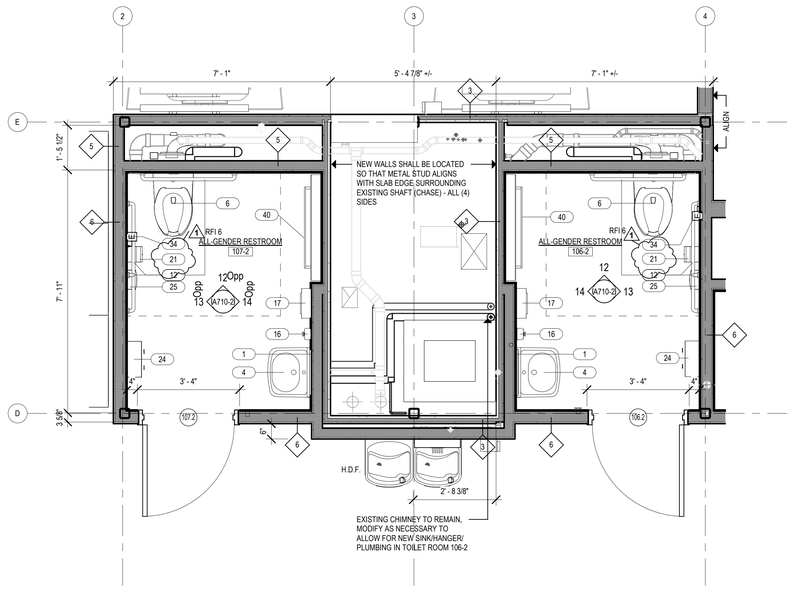




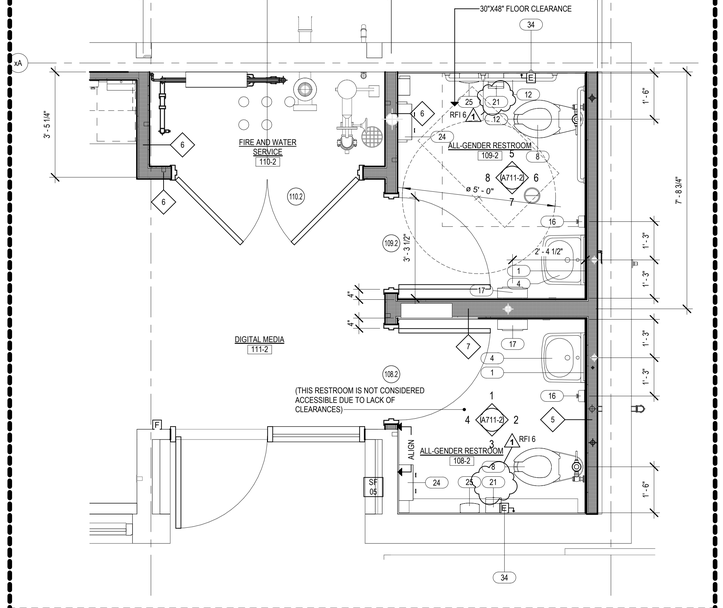
5 WATER COOLER/BOTTLE FILLER DETAILS
1" = 1'-0"



1 ENLARGED LOWER LEVEL - PART A - TOILET ROOMS
1/2" = 1'-0"



2 ENLARGED MAIN LEVEL - PART A - TOILET ROOMS
1/2" = 1'-0"



3 ENLARGED MAIN LEVEL - PART B - TOILET ROOMS
1/2" = 1'-0"

ALTERNATE - ANNEX

Project Title:		
ALTERATIONS TO: ACES at Chase 565 Chase Parkway Waterbury, Connecticut 06708		

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 2 - ENLARGED PLANS

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025

Scale: As indicated

Drawn By: KD/JL

Project Number: 22.050

Drawing Number: A700-2

1/8/2026 1:05:58 PM

TOILET ROOM FIXTURES & EQUIPMENT

1	1'-6" X 3' MIRROR (CENTER ON LAV)
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19	SEMI-RECESSED H.C. PAPER TOWEL DISPENSER / WASTE RECEPTACLE
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22	RECESSED H.C. TOILET PAPER DISPENSER
23	PARTITION-MOUNTED TOILET PAPER DISPENSER
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26	TOILET SEAT COVER DISPENSER
27	RECESSED BABY-CHANGING STATION
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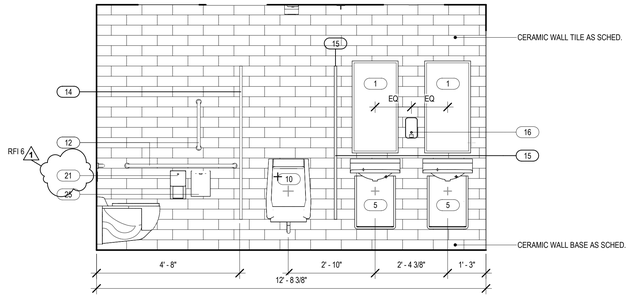
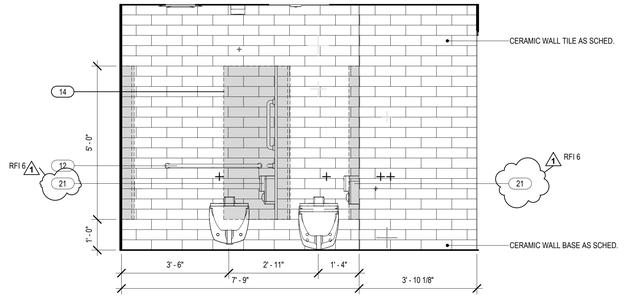
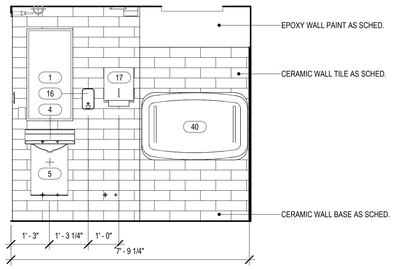
38	FRAMELESS MIRROR; SEE INTERIOR ELEVATION FOR SIZE
39	SEMI-RECESSED (AED) AUTOMATED EXTERNAL DEFIBRILLATOR CABINET w/ STROBE ALARM - STAINLESS STEEL FINISH
40	SURFACE-MOUNTED BABY CHANGING STATION



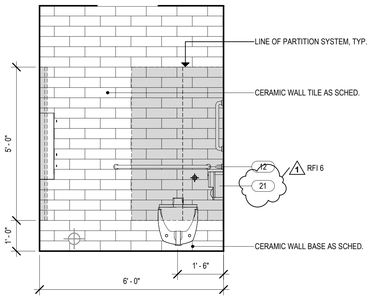
11 MEN'S T.R. 010-2 - ELEVATION D
1/2" = 1'-0"



7 WOMEN'S T.R. 007-2 - ELEVATION D
1/2" = 1'-0"



14 TOILET 106-2 - ELEVATION C
1/2" = 1'-0"



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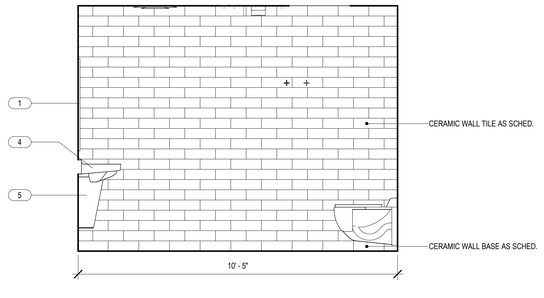
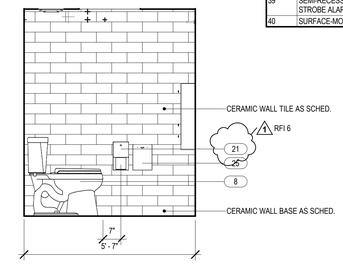
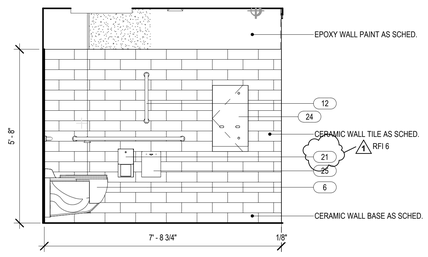


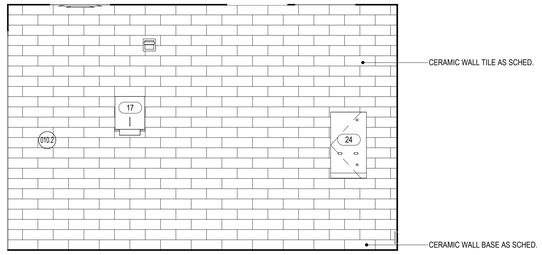
6 WOMEN'S T.R. 007-2 - ELEVATION C
1/2" = 1'-0"



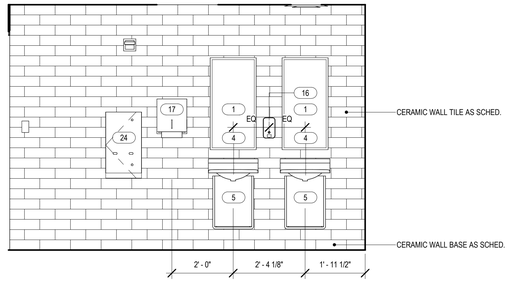
3 TOILET 008-2 - ELEVATION C
1/2" = 1'-0"



13 TOILET 106-2 - ELEVATION B
1/2" = 1'-0"



9 MEN'S T.R. 010-2 - ELEVATION B
1/2" = 1'-0"



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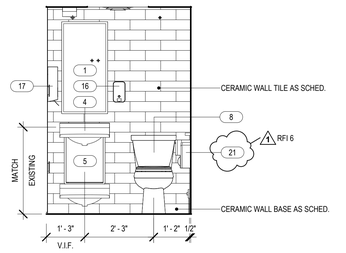
1/2" = 1'-0"



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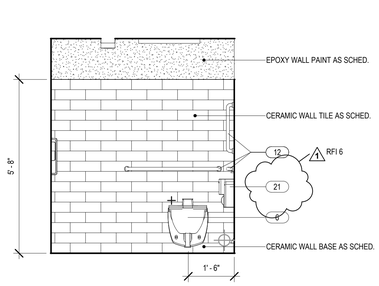
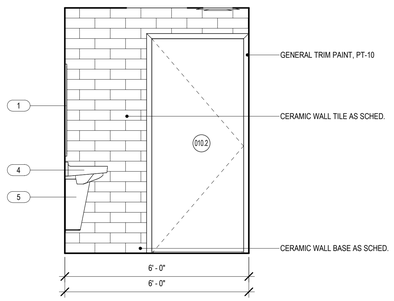
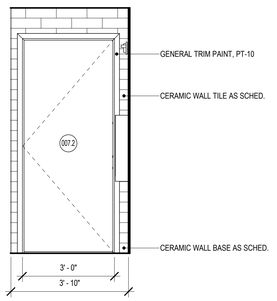
1/2" = 1'-0"



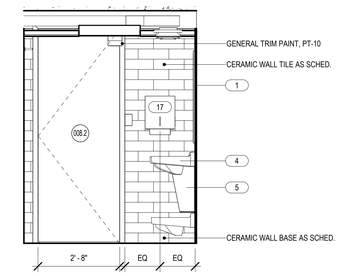
12 TOILET 106-2 - ELEVATION A
1/2" = 1'-0"



8 MEN'S T.R. 010-2 - ELEVATION A
1/2" = 1'-0"



4 WOMEN'S T.R. 007-2 - ELEVATION A
1/2" = 1'-0"



1 TOILET 008-2 - ELEVATION A
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

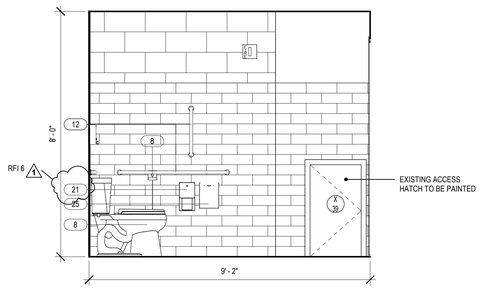
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

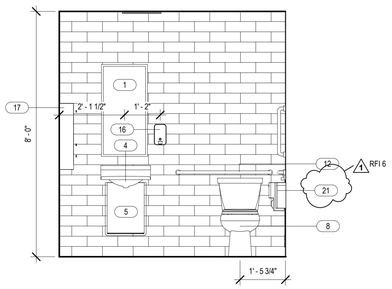
Drawing Title:
BUILDING 2 - INTERIOR TOILET ELEVATIONS
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD/JL
Project Number: 22.050
Drawing Number: A710-2

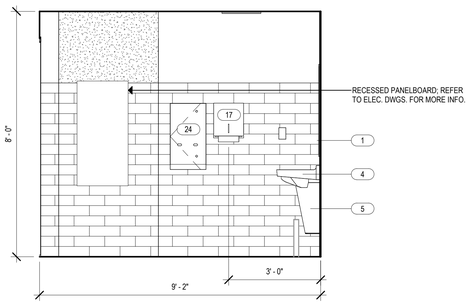
1/9/2026 1:06:01 PM



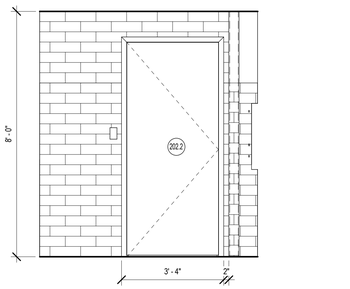
12 RESTROOM 202-2 - ELEVATION D
1/2" = 1'-0"



11 RESTROOM 202-2 - ELEVATION C
1/2" = 1'-0"

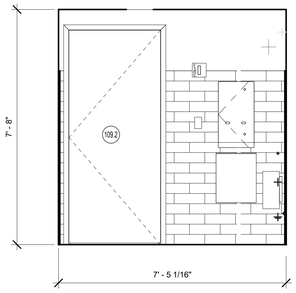


10 RESTROOM 202-2 - ELEVATION B
1/2" = 1'-0"

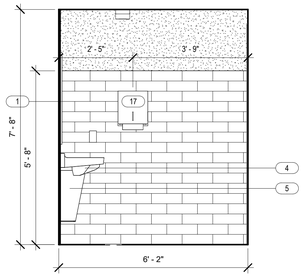


9 RESTROOM 202-2 - ELEVATION A
1/2" = 1'-0"

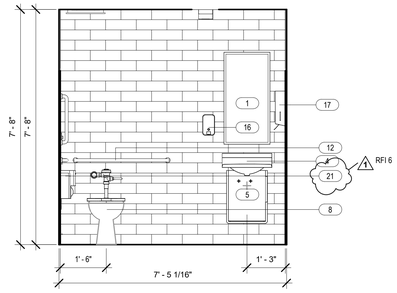
TOILET ROOM FIXTURES & EQUIPMENT	
1	1'-6" X 3' MIRROR (CENTER ON LAV)
2	4'-0" X 3' 6" MIRROR (CENTER ON LAV)
3	WALL-MOUNTED 2-STATION H.C. LAV (2'-10" TO TOP)
4	WALL-MOUNTED H.C. LAV (2'-10" TO TOP)
5	LAV SHIELD (PER LAV MANUF. SPEC.)
6	WALL-MOUNTED H.C. WATER CLOSET (18" TO TOP OF SEAT)
7	WALL-MOUNTED WATER CLOSET (18" TO TOP OF SEAT)
8	FLOOR-MOUNTED WATER CLOSET
9	FLOOR-MOUNTED CHILD WATER CLOSET
10	WALL-MOUNTED H.C. URINAL (17" TO RIM)
11	WALL-MOUNTED URINAL (24" TO RIM)
12	WHEELCHAIR-ACCESSIBLE COMPARTMENT WATER CLOSET GRAB BAR ASSEMBLY
13	AMBULATORY COMPARTMENT GRAB BAR ASSEMBLY
14	TOILET PARTITION w/COAT HOOK
15	URINAL SCREEN
16	SURFACE-MOUNTED H.C. SOAP DISPENSER
17	SURFACE-MOUNTED H.C. PAPER TOWEL DISPENSER (ROLL)
18	SURFACE-MOUNTED PAPER TOWEL DISPENSER (C-FOLD)
19	SEMI-RECESSED H.C. PAPER TOWEL DISPENSER / WASTE RECEPTACLE
20	SURFACE MOUNTED H.C. HAND DRYER
21	SURFACE-MOUNTED H.C. TOILET PAPER DISPENSER
22	RECESSED H.C. TOILET PAPER DISPENSER
23	PARTITION-MOUNTED TOILET PAPER DISPENSER
24	SANITARY NAPKIN VENDOR
25	SANITARY NAPKIN DISPOSAL
26	TOILET SEAT COVER DISPENSER
27	RECESSED BABY-CHANGING STATION
28	CHILD-PROTECTION SEAT
29	SPECIAL-NEEDS CHANGING STATION
30	SHOWER ROD, HOOKS, AND CURTAIN
31	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED ROLL-IN SHOWER
32	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED TRANSFER SHOWER
33	ADA FOLD-DOWN SHOWER SEAT
34	CALL FOR AID - SEE ELECTRICAL DWGS
35	COAT HOOK
36	CUSTOM 18" VERTICAL GRAB BAR WELDED TO VERTICAL MOUNTING POST
37	SURFACE-MOUNTED SOUBLE ROLL TOILET TISSUE DISPENSER
38	FRAMELESS MIRROR; SEE INTERIOR ELEVATION FOR SIZE
39	SEMI-RECESSED (AED) AUTOMATED EXTERNAL DEFIBRILLATOR CABINET w/ STROBE ALARM - STAINLESS STEEL FINISH
40	SURFACE-MOUNTED BABY CHANGING STATION



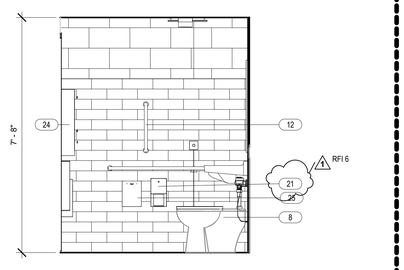
8 RESTROOM 109-2 - ELEVATION D
1/2" = 1'-0"



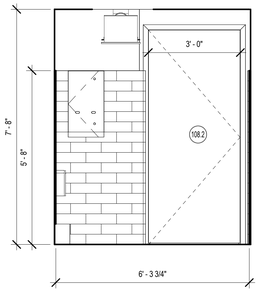
7 RESTROOM 109-2 - ELEVATION C
1/2" = 1'-0"



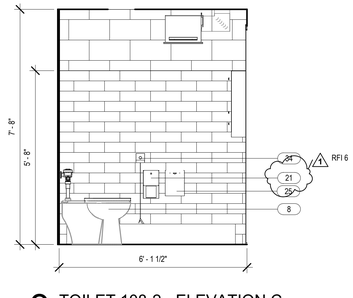
6 RESTROOM 109-2 - ELEVATION B
1/2" = 1'-0"



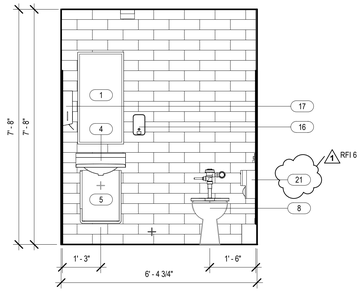
5 RESTROOM 109-2 - ELEVATION A
1/2" = 1'-0"



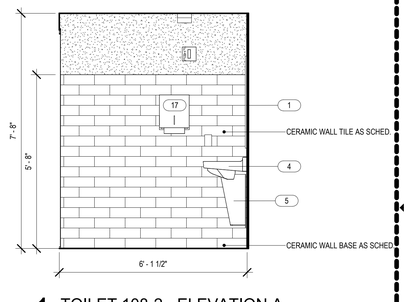
4 TOILET 108-2 - ELEVATION D
1/2" = 1'-0"



3 TOILET 108-2 - ELEVATION C
1/2" = 1'-0"



2 TOILET 108-2 - ELEVATION B
1/2" = 1'-0"



ALTERNATE - ANNEX

1 TOILET 108-2 - ELEVATION A
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

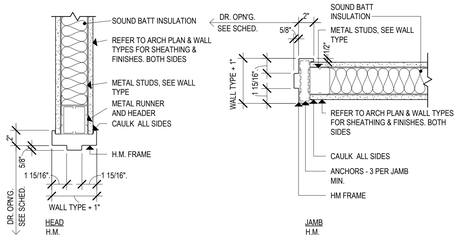
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 2 - INTERIOR TOILET ELEVATIONS
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

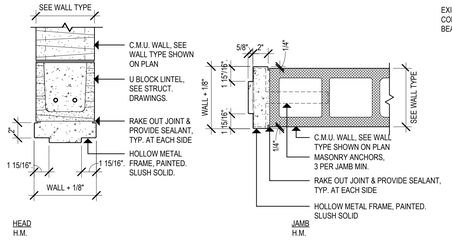
Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD/JL
Project Number: 22.050
Drawing Number: A711-2

1/8/2026 1:06:04 PM



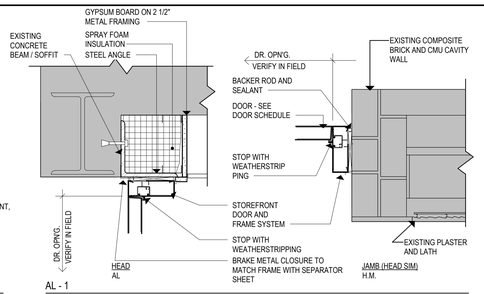
HM - 1

NEW FRAMED WALLS - FOR WALL TYPE AND RATING REQUIREMENTS SEE FLOOR PLANS



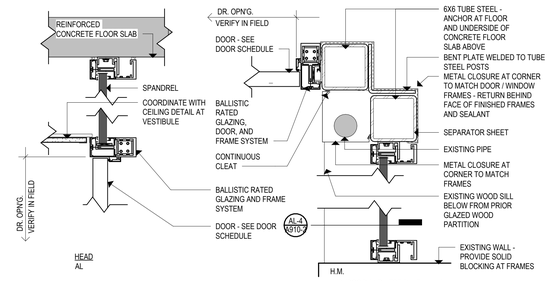
HM - 2

NEW CMU WALLS - FOR WALL TYPE AND RATING REQUIREMENTS SEE FLOOR PLANS



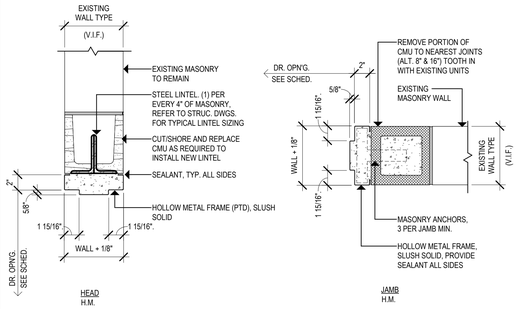
AL - 1

NEW FRAME WITHIN EXISTING EXTERIOR MASONRY WALL (V.I.F. ALL CONDITIONS)



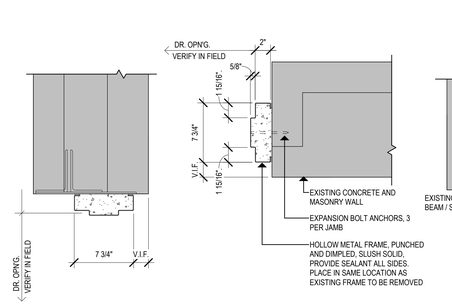
AL - 3

NEW BALLISTIC RATED DOOR, GLAZING, AND FRAME SYSTEM (V.I.F. ALL CONDITIONS)



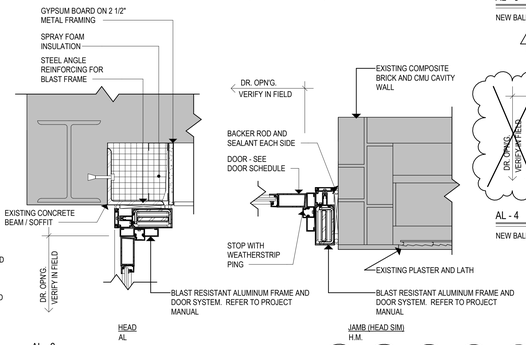
HM - 3

NEW OR ENLARGED OPENING IN EXISTING MASONRY WALL (V.I.F. ALL DEPTHS)



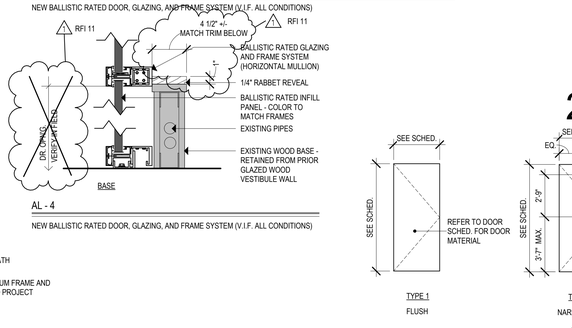
HM - 4

NEW FRAME WITHIN EXISTING EXTERIOR MASONRY WALL (V.I.F. ALL CONDITIONS)



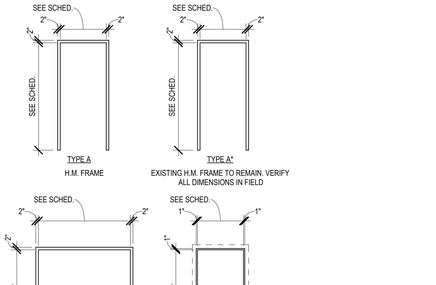
AL - 2

NEW FRAMING WITHIN EXISTING EXTERIOR MASONRY WALL (V.I.F. ALL CONDITIONS)



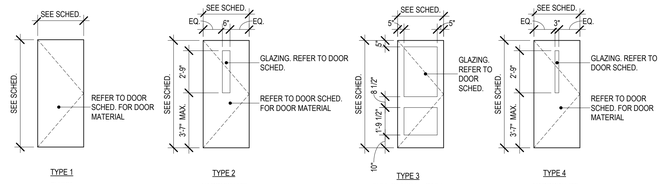
AL - 4

NEW BALLISTIC RATED DOOR, GLAZING, AND FRAME SYSTEM (V.I.F. ALL CONDITIONS)



2 FRAME ELEVATIONS

1/4" = 1'-0"

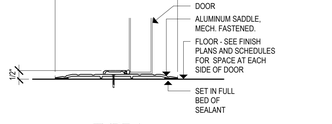


1 DOOR ELEVATIONS

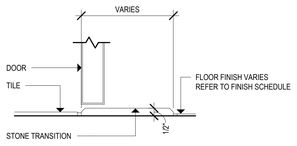
1/4" = 1'-0"

5 DOOR AND FRAME DETAILS

1 1/2" = 1'-0"



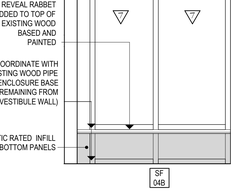
TYPE A

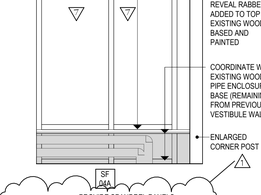


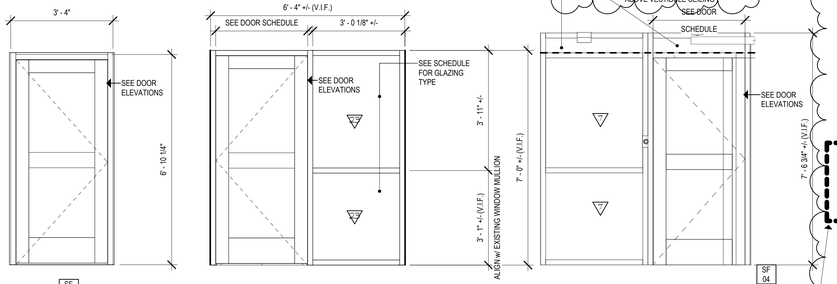
TYPE B

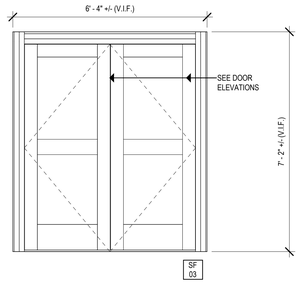
4 DOOR SILL DETAILS

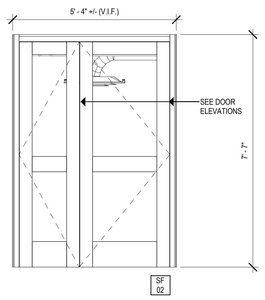
3" = 1'-0"

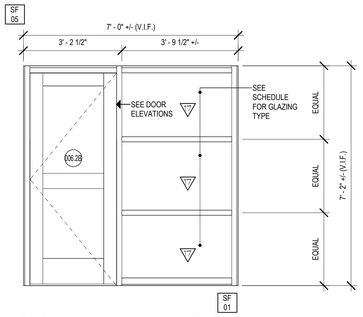












3 STOREFRONT ELEVATIONS

1/2" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A500.2	SIGNAGE TEXT	REMARKS
002.2	002-2	001-2	•		6' - 0"	7' - 0"	1	WD	ST/CLR		B	HM	PT	HM-2	HM-2							•		•			•						•	S1	STORAGE	
003.2	003-2	001-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-2	HM-2							•		•		•						•	•	•	S1	TRAINING OFFICE	
004.2	004-2		•	•	4' - 11"	7' - 4 1/4"	3	AL	FF	17	SF02	AL	FF	AL-1	AL-1	A						•		•	•	•						•	•	•	S6.2	EXIT	1, 2, 7
004.2B	004-2	004-2	•	•	5' - 0"	7' - 0"	4	WD	ST/CLR	6	B	HM	PT	EX	EX						•		•	•	•						•	•	•	S1	EXIT	
005.2	004-2	005-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX							•		•								•	•	•	S1	STORAGE / MECHANICAL	
006.2A	005-2	006-2			3' - 0"	7' - 0"	1	HM	PT		A*	HM	PT	EX	EX							•		•								•	•	•	S1/SE /S9	MECHANICAL	
006.2B		006-2			2' - 10"	6' - 11 1/4"	3	AL	FF	17	SF01	AL	FF	AL-1	AL-1	A	17					•		•								•	•	•	S1	EXIT	1, 2
007.2	007-2	001-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-3	HM-3	B						•		•								•	•	•	S2	WOMEN	
008.2	004-2	008-2			2' - 8"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX	B						•		•								•	•	•	S1	ALL-GENDER RESTROOM	
009.2	009-2	001-2			2' - 6"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX							•		•								•	•	•	S1	CUSTODIAL	
010.2	010-2	001-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-3	HM-3	B						•		•								•	•	•	S3	MEN	
011.2A	011-2	001-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX							•		•								•	•	•	S1	MEDIA CLASSROOM	
011.2B	011-2				3' - 0"	7' - 0"	1	HM	PT		A	HM	PT	HM-4	HM-4	A						•	•	•		•						•	•	•	S6.2	EXIT	2, 4
012.2	015-2	012-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX			•						•								•	•	•	S1	STORAGE	
013.2	011-2	013-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-3	HM-3			•						•								•	•	•	S1	STORAGE	
014.2	015-2	014-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-3	HM-3								•	•								•	•	•	S1	MDF	
015.2A	015-2	001-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A*	HM	PT	EX	EX								•	•								•	•	•	S1	TECHNOLOGY OFFICE	
015.2B	015-2				3' - 0"	7' - 0"	1	HM	PT		A	HM	PT	HM-4	HM-4	A							•	•		•						•	•	•	S6.2	EXIT	2, 4
101.2		101-2			3' - 0"	6' - 9 15/16"	3	AL	FF	23	SF05	AL	FF	AL-1	AL-1	A	23						•	•	•	•	•	•		•			•	•	•	S1	PUSH BUTTON FOR ASSISTANCE	BLAST RESIST., 1, 2, 6, 7,
102.2A	101-2	102-2			3' - 0"	6' - 9"	3	AL	FF	7	SF04	AL	FF	AL-1	AL-1	A	7						•	•	•	•	•	•		•			•	•	•	S6.2	EXIT	BALLISTIC RATED,1, 2, 6, 7
102.2B	102-2				3' - 0"	6' - 8 1/4"	3	AL	FF	17	SF06	AL	FF	AL-1	AL-1	A							•	•	•	•	•	•		•			•	•	•	S6	EXIT	1, 2, 6, 7
102.2E	001-2			•	5' - 7"	6' - 9 1/4"	3	AL	FF	17	SF03	AL	FF	AL-1	AL-1	A							•	•	•	•	•	•		•			•	•	•	S6	EXIT	1, 2, 6
103.2	102-2	103-2			3' - 0"	6' - 8"	1	WD	ST/CLR		C*	WD	PT	EX	EX								•	•								•	•	•	S1	OFFICE	
104.2	104-2	102-2			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1								•	•								•	•	•	S1	KITCHENETTE	
105.2	102-2	105-2			2' - 8"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1								•	•								•	•	•	S1	CUSTODIAL	
106.2	102-2	106-2			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B							•	•								•	•	•	S5	ALL-GENDER RESTROOM	
107.2	107-2	102-2			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B							•	•								•	•	•	S5	ALL-GENDER RESTROOM	
108.2	108-2	111-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B							•	•								•	•	•	S5	ALL-GENDER RESTROOM	
109.2	109-2	111-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B							•	•								•	•	•	S5	ALL-GENDER RESTROOM	
110.2	110-2	111-2	•		6' - 0"	7' - 0"	1	WD	ST/CLR		B	HM	PT	HM-1	HM-1								•	•								•	•	•	S1	FIRE/WATER SERVICE	
111.2A		111-2			3' - 0"	6' - 10"	3	AL	FF	17	SF05	AL	FF	AL-1	AL-1	A	17						•	•	•	•	•	•		•			•	•	•	S6	EXIT	1, 2, 6
111.2B		111-2			3' - 0"	7' - 9"	3	AL	FF	17	SF05	AL	FF	AL-1	AL-1	A	17						•	•	•	•	•	•		•			•	•	•	S6	EXIT	1, 2, 6
112.2	111-2	112-2			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1								•	•								•	•	•	S1	RECORDING STUDIO	
113.2	113-2	111-2			3' - 0"	6' - 8"	1	WD	ST/CLR		A	HM	PT	HM-1	HM-1								•	•								•	•	•	S1	GREEN ROOM	
002.2	204-2	202-2			3' - 0"	7' - 0"	1	WD	ST/CLR		A	HM	PT	HM-3	HM-3								•	•								•	•	•	S1	FAMILY RESTROOM	
205.2A		205-2	•		6' - 0"	6' - 9 3/4"	3	AL	FF	17	SF03	AL	FF	AL-1	AL-1	A							•	•	•	•	•	•		•			•	•	•			1, 2, 6
205.2B	205-2	201-2	•		6' - 0"	6' - 9 3/4"	3	AL	FF	5	SF03	AL	FF	AL-1	AL-1	A							•	•	•	•	•	•		•			•	•	•	S6	EXIT	1, 2

ABBREVIATIONS

AL/ALUM	-	ALUMINUM
CLR	-	CLEAR
EX	-	EXISTING
FF	-	FACTORY FINISH
HM	-	HOLLOW METAL
INSUL	-	INSULATED
PT	-	PAINTED
SS	-	STAINLESS STEEL
ST	-	STAINED
STL	-	STEEL
TEMP	-	TEMPERED
WD	-	WOOD

GENERAL DOOR NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
2. ALL NEW KICK PLATES SHALL BE 16" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. SEE SCHEDULE FOR MORE INFO.
3. ALL GLASS IN DOORS, SIDE LITES AND TRANSOMS SHALL BE TEMPERED UNLESS OTHERWISE NOTED. SEE SCHEDULE AND WINDOW ELEVATIONS FOR ADDITIONAL GLAZING REQUIREMENTS.
4. ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHER STRIPPING ON ALL SIDES, TOP AND BOTTOM.
5. ALL HOLLOW METAL FRAMES (NEW AND EXISTING TO REMAIN) SHALL BE PAINTED. COLOR AS SELECTED BY ARCHITECT.
6. DOORS SCHEDULED TO BE INSTALLED IN EXISTING FRAMES SHALL BE FABRICATED TO FIT WITH EXISTING FRAME CONFIGURATION. ANY REMAINING HOLES AND/OR CUTOUTS IN FRAME SHALL BE FILLED WITH METAL PLATES, GROUND SMOOTH AND PAINTED.
7. AT ALL EXISTING DOOR LOCATIONS, PROVIDE NEW REPLACEMENT HARDWARE AND/ OR DOOR SLAB AS INDICATED INDIVIDUALLY IN SCHEDULE.
8. OMIT PUSH PLATE AT DOORS EQUIPPED WITH PANIC HARDWARE AND UNSECURE / EXTERIOR SIDE PULLS.
9. PROVIDE PULL HANDLE AT ACTIVE LEAF ONLY AT PAIRS OF DOORS.

SCHEDULE REMARKS. (LAST COLUMN IN DOOR SCHEDULE):

1. COORDINATE DOOR(S) SIZE WITH CURTAIN WALL / STOREFRONT SYSTEM. SEE EXTERIOR ELEVATIONS AND CURTAIN / STOREFRONT WALL TYPES, INCLUDING BALLISTIC TYPES (3/A910-2) AND ASSOCIATED DETAILS.
2. PROVIDE CONTINUOUS HINGE AT DOORS INDICATED.
3. EXISTING DOOR AND FRAME TO REMAIN. PROVIDE NEW HARDWARE AS INDICATED.
4. EXIT DOOR ONLY. OMIT EXTERIOR HARDWARE AND TRIM.
5. SEE HOLLOW METAL FRAME DETAILS FOR GLAZING REQUIREMENTS.
6. PROVIDE ACCESS CONTROL AND ELECTRIC HARDWARE AT THIS DOOR. COORDINATE WITH CARD READER AND REMOTE OPENER (FROM MAIN OFFICE). REFER TO TECHNOLOGY PLANS & PROJECT MANUAL FOR MORE INFORMATION.
7. PROVIDE POWER OPENER AND REMOTE PUSH PLATES (OUTSIDE AND INSIDE) WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COORDINATE OPERATION WITH SECURITY SYSTEM AND FEATURES OF OTHER ACCESS EQUIPMENT (DOOR POWER OPERATOR CANNOT FUNCTION UNLESS PERSONNEL IN THE OFFICE RELEASE THE ELECTRIC DOOR LATCH(S). AT DOUBLE DOOR LOCATIONS, DOOR LEAF TO RECEIVE THE POWER OPERATOR IS INDICATED ON FLOOR PLAN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND POWER REQUIREMENTS.

RFI 11

ALTERNATE - ANNEX

GLAZING SCHEDULE

GL #	DESCRIPTION
5	CLEAR, LAMINATED
6	CLEAR, LAMINATED, FIRE RATED
7	CLEAR, BALLISTIC
17	INSUL., TINTED, LAMINATED
23	INSULATED, TINTED, BLAST RESISTANT

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
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1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 2 - DOOR SCHEDULE AND DETAILS
Project Phase:
ISSUED FOR BID - 11/03/2025
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Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: CTN
Project Number: 22.050
Drawing Number: A910-2

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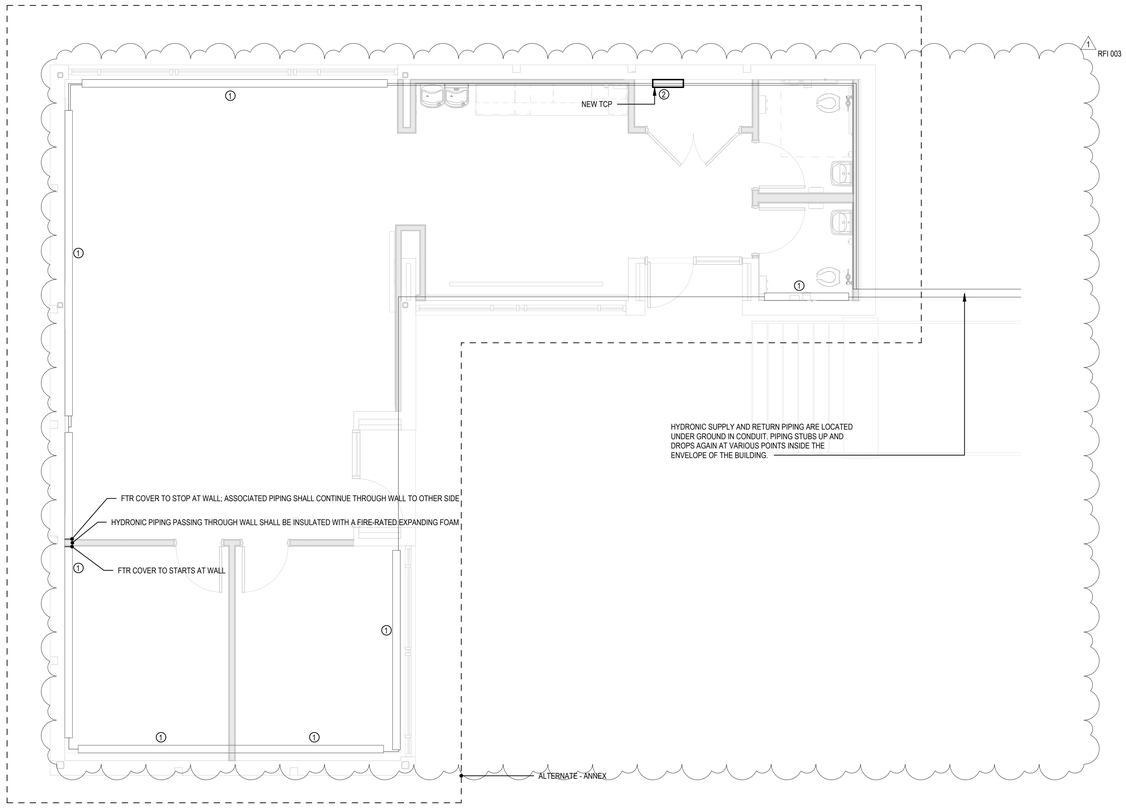


1 ARTS ANNEX MAIN LEVEL PIPING PLAN
1/4" = 1'-0"

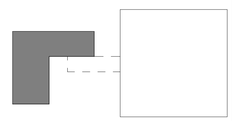
GENERAL NOTES

1. REFER TO DRAWING M001 FOR ADDITIONAL MECHANICAL NOTES. EXISTING FTR COVER TO BE REPLACED WITH NEW COVER MATCHING EXISTING COVER.
2. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO HIRE A CERTIFIED TESTING & BALANCING (TAB) CONTRACTOR TO BALANCE ALL NEW HVAC EQUIPMENT (DOAS-#, EF-#, ETC.) AND ASSOCIATED DIFFUSERS / GRILLES TO AIR FLOWS (CFM) INDICATED ON DRAWINGS. CONTRACTOR TO ALSO REFER TO SPECIFICATION SECTION 230593 "TESTING, ADJUSTING, AND BALANCING FOR HVAC " FOR ADDITIONAL REQUIREMENTS.
3. ALL NEW DUCTWORK & PIPING SHALL BE INSULATED AND LABELED. REFER TO SCHEDULES FOR INSULATION CHART. LABELS SHALL BE SETON CODE SELF-ADHESIVE DUCT MARKERS. LABELS SHALL BE LOCATED EVERY 20 FEET AND ON BOTH SIDES OF WALL PENETRATIONS.
4. SIZES ASSOCIATED WITH ACOUSTICALLY LINED DUCTWORK REPRESENTS THE INTERNAL FREE AREA DIMENSION OF THE DUTWORK REQUIRED.
5. CONTRACTOR TO PROVIDE ALL PENETRATIONS WITHIN WALLS, FLOORS, CEILINGS, ROOF, ETC AS NECESSARY TO ACCOMMODATE NEW WORK
6. CONTRACTOR SHALL PROVIDE ALL CONTROL DEVICES, RELAYS, SENSORS, PANELS, TRANSFORMERS, LOW VOLTAGE WIRING, PROGRAMMABLE CONTROLLERS, PROGRAMMING, ETC. NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION IN SPECIFICATION SECTION 230993 - "SEQUENCE OF OPERATION FOR HVAC CONTROLS".
7. CONTRACTOR TO SIZE, PROVIDE, AND ROUTE ALL REQUIRED REFRIGERATION PIPING (AND ASSOCIATED HANGERS, CONNECTIONS, JOINTS, HARDWARE, ETC.) TO/FROM INDOOR FAN COIL UNITS, AND AIR CONDITIONING UNITS, TO RESPECTIVE BRANCH CONTROLLERS AND OUTDOOR UNITS PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
8. REFRIGERNAT PIPING ROUTED UP THE BUILDING EXTERIOR WALL SHALL BE COVERED. CONTRACTOR TO PROVIDE COVER SIMILAR TO DUCTLESS AIRE HIDE-A-LINE COVER KITS.
9. REFER TO PLUMBING DRAWINGS FOR CONDENSATE PIPING.
10. CONTRACTOR TO MAINTAIN EQUIPMENT MANUFACTURER'S REQUIRED SERVICE CLEARENCES.
11. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL UNITS LOCATED ON GRADE. REFER TO MECHANICAL DETAIL DRAWINGS.
12. EXISTING PERIMETER RADIATION AND ASSOCIATED PIPING TO REMAIN UNLESS OTHERWISE NOTED.

MECHANICAL NOTES

RFI 002

1. ENSURE ALL FIN TUBE RADIATION IS OPERABLE; ~~INSTALL END CAPS~~ OMIT ~~AT EXPOSED END OF PIPING~~. OMIT
2. CONTRACTOR TO PROVIDE NEW TEMPERATURE CONTROL PANEL (TCP). CONTRACTOR TO PROVIDE ALL CONTROL DEVICES, PANELS, RELAYS, SENSORS, TRANSFORMERS, LOW VOLTAGE WIRING PROGRAMMABLE CONTROLLERS, PROGRAMING, ETC. NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATIONS IN SPECIFICATION SECTION 230993 SEQUENCE OF OPERATION FOR HVAC CONTROLS.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

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BUILDING 2 - MAIN LEVEL FLOOR PLAN - PIPING PART B

Project Phase:
ISSUED FOR BID - 11/03/2025

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Date: AUGUST 12, 2025
Scale: 1/4" = 1'-0"
Drawn By: TH
Project Number: 22.050

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COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR: CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HSB2VMP			COMMMENTS
W ▶	Wall Phone Outlet	1		1			1			1	1		1				Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1					Mounting Height 18" AFF unless otherwise noted.
1V1D ▶	1 Voice - 1 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
1V2D ▶	1 Voice - 2 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
#V #D ▶	Floor Box						A/R			A/R	A/R	1					Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP	Wireless Access Point Ceiling Mounted									2	2			1			Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans - Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
AP ▶	Wireless Access Point Wall Mounted	1		1			1			2	2			1			
MON ▷	1 Data Outlet For Monitor				1		1			1	1						Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES:

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS AP'S = ORANGE
   D. SECURITY CAMERAS = BLACK

1

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
S	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	12" SQ., Wall Mounted Speaker. - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					12" Clock Unless Otherwise Noted on Plans. 16" = 16" diameter clock - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #25LVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Speaker / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX	1-1/2" C	CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR: CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6' PATCH CABLE	BELDEN #6584FJ COMPOSIT CABLE PLENUM or Equiv; 18-6C SHLD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM			COMMENTS
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1										1								
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1						2							DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1					1	A/R												REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD". REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1					1				1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1						1							1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICMS, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1				1								1						
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1				1										1				
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1				1										1				
	DURESS BUTTON	SENTROL UL RATED #3050																2				PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300															1					MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1					1										2				MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1					1										1				MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1					1					1					1				MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1								1					
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1			1										1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1			1										1				
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1				1										1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS

- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — DETAIL/PLAN IDENTIFIER
- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — SECTION IDENTIFIER
- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — ELEVATION IDENTIFIER
- 1 — DRAWINGS KEYNOTE NOTE TAG
- 1 — EQUIPMENT NOTE TAG
- CONDUIT SLEEVE - THROUGH CEILING TO ABOVE FLOOR
- CONDUIT SLEEVES - THROUGH FLOOR TO BELOW FLOOR
- CONDUIT SLEEVES - HORIZONTAL

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title:
TECH - AV - SEC - BUILDING #2
KEY LEGEND & GENERAL NOTES

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number: T001-2

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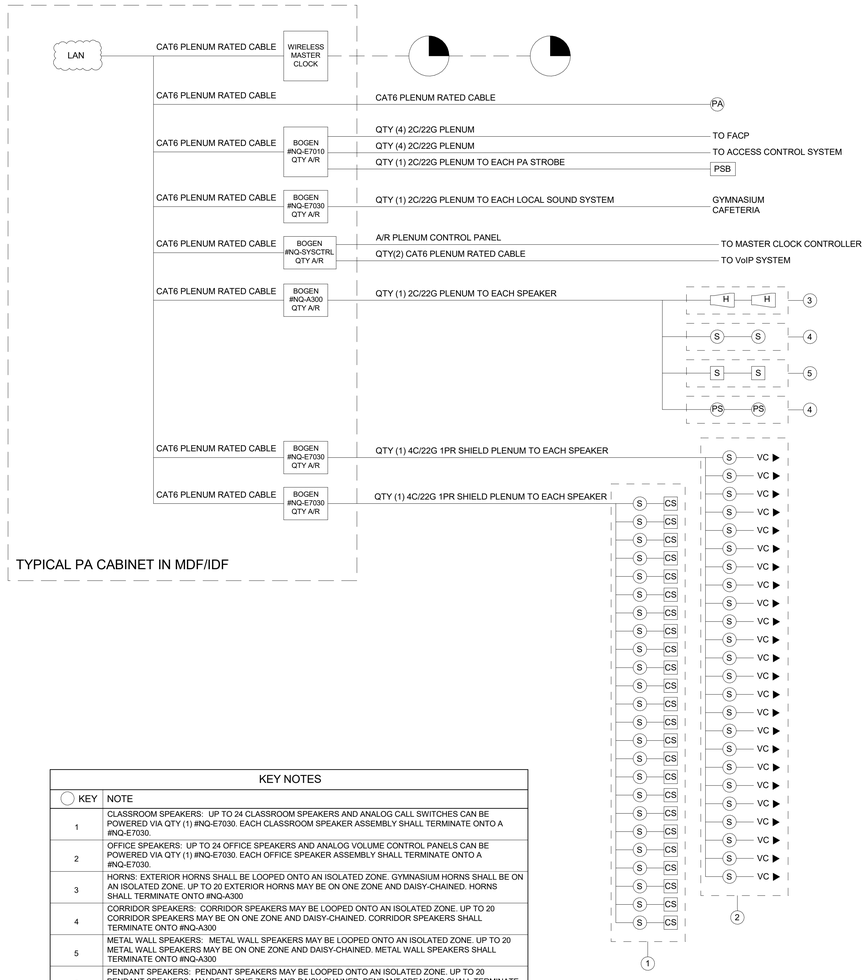
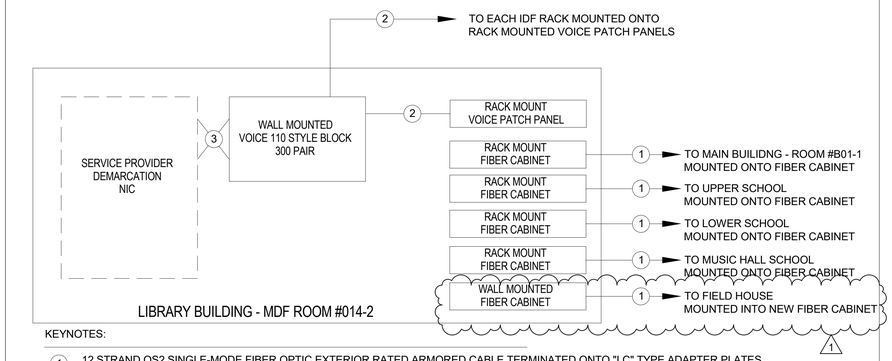


KEY NOTES	
KEY	NOTE
1	CLASSROOM SPEAKERS: UP TO 24 CLASSROOM SPEAKERS AND ANALOG CALL SWITCHES CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH CLASSROOM SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
2	OFFICE SPEAKERS: UP TO 24 OFFICE SPEAKERS AND ANALOG VOLUME CONTROL PANELS CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH OFFICE SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
3	HORNS: EXTERIOR HORNS SHALL BE LOOPED ONTO AN ISOLATED ZONE. GYMNASIUM HORNS SHALL BE ON AN ISOLATED ZONE. UP TO 20 EXTERIOR HORNS MAY BE ON ONE ZONE AND DAISY-CHAINED. HORNS SHALL TERMINATE ONTO #NQ-A300
4	CORRIDOR SPEAKERS: CORRIDOR SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 CORRIDOR SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. CORRIDOR SPEAKERS SHALL TERMINATE ONTO #NQ-A300
5	METAL WALL SPEAKERS: METAL WALL SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 METAL WALL SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. METAL WALL SPEAKERS SHALL TERMINATE ONTO #NQ-A300
6	PENDANT SPEAKERS: PENDANT SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 PENDANT SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. PENDANT SPEAKERS SHALL TERMINATE ONTO #NQ-A300

GENERAL NOTES

1. ALL PUBLIC ADDRESS CABLING FOR DEVICES SHALL BE CABLED TO THE DATA ROOMS AS INDICATED ON THE CABLE DECLINATIONS FOR LOW VOLTAGE CABLING.
2. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
3. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION, SEQUENCE OF OPERATION AND OF WIRING.
4. FOR MICROPHONE CABLE RUNS, MAINTAIN A CLEARANCE OF A MINIMUM OF 12" FROM CONDUIT AND CABLES USED FOR ELECTRICAL POWER DISTRIBUTION. WHERE THIS IS NOT FEASIBLE, CROSS HIGHER VOLTAGE LINES PERPENDICULARLY.
5. ALL PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING MATERIAL.
6. SPEAKER CONDUCTORS INSTALLED IN ROOMS OF INSTRUCTION AND OFFICES SHALL BE ONE CONTINUOUS HOME RUN TO THE CENTRAL CONTROL RACK NO SPLICES SHALL BE ALLOWED.
7. THIS RISER DIAGRAM IS SHOWN AS REFERENCE TO INDICATE LOOPING AND ZONING REQUIREMENTS, ACTUAL QUANTITIES MUST BE CONFIRMED BY THE BIDDING CONTRACTOR AND BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS, T-SERIES.
8. PA SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 2010 OR THE MOST CURRENT FIRE CODE STANDARD ADOPTED BY THE STATE OF CONNECTICUT.
9. THE FIRE ALARM CONNECTION WITH THE PA SYSTEM SHALL BE COORDINATED WITH OWNER, FIRE ALARM INSTALLER, SECURITY CONSULTANT, AND PA DESIGNER.
10. PRIORITY OVERRIDE LOADS IN EACH INTERACTIVE DISPLAY LOCATION MUST BE CALCULATED INTO THE PUBLIC ADDRESS AMPLIFIER LOADS.
11. A 1 WATT REPEATER SHALL BE INCLUDED IN EACH DATA CLOSET FOR THE WIRELESS CLOCK SYSTEM.
12. ALL EXTERIOR HORNS SHALL BE ON AN ISOLATED ZONE AND CAPABLE OF BEING PROGRAMMED TO ONLY ENGAGE DURING BUS OR EMERGENCY ANNOUNCEMENTS.
13. ALL LAN CONNECTIONS SHOWN ON THE TYPICAL WIRING DIAGRAM SHALL TERMINATE ONTO THE REAR OF 19" CATEGORY 6 RATED PATCH PANELS MOUNTED IN THE TWO/FOUR POST RACKS AS SHOWN ON THE MDF/IDF TECHNOLOGY DETAILS.
14. REFER TO PUBLIC ADDRESS SPECIFICATION FOR ALL REQUIRED LICENSES.
15. NETWORK ELECTRONICS (NETWORK SWITCHES) WILL BE OWNER FURNISHED IN A LATER PHASE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THIS PROJECT TO ADVISE THE OWNER ON IP ADDRESSING, CREATION OF VLANS, AND TO FURNISH THE CONFIGURATION REQUIRED FOR A FULLY FUNCTIONAL PUBLIC ADDRESS SYSTEM ON THE OWNER'S LAN. THE CONTRACTOR SHALL INCLUDE WORK HOURS REQUIRED TO CONFIGURE THIS SYSTEM WITH THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION PROJECT WHEN THE SWITCHES ARE FURNISHED AND INSTALLED.

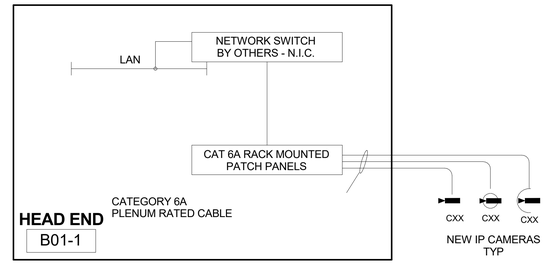
PUBLIC ADDRESS SYSTEM | NTS | 01



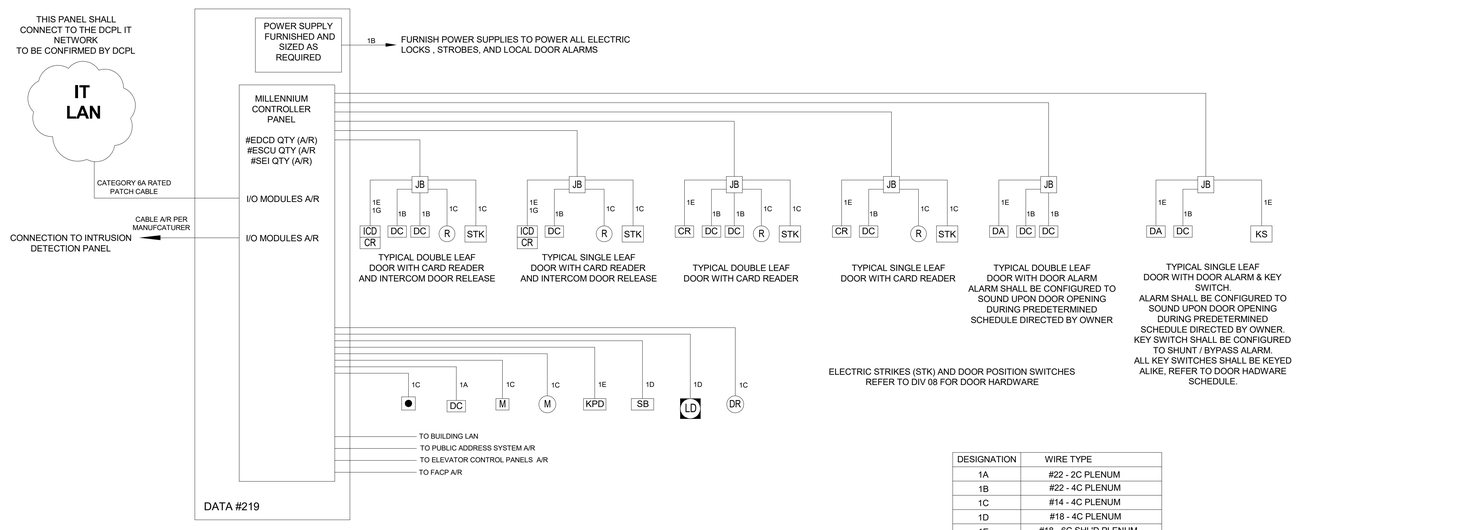
KEYNOTES:

1. 12 STRAND OS2 SINGLE-MODE FIBER OPTIC EXTERIOR RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FIBER CABLING SHALL NOT EXTEND MORE THAN 50FT INTO ANY BUILDING WITHOUT BEING INSTALLED WITHIN CONDUIT OR TRANSITIONED TO INDOOR, PLENUM RATED CABLING.
2. 25 PAIR CATEGORY 3 RATED PLENUM CABLE FROM 300 PAIR 110 STYLE WALL MOUNTED BLOCK AT THE SERVICE PROVIDERS DEMARC AND TERMINATED ONTO 110 STYLE 24 PORT, RACK MOUNTED PATCH PANELS IN EQUIP. RM B01-1 & EACH OTHER DATA ROOM ON RACK MOUNTED PANELS, TERMINATE EACH PAIR OF THE COPPER RISER CABLES ON THE BLUE PAIR (PR 1) OF EACH PORT OF THE PATCH PANELS. COIL THE 25TH PAIR (VIOLET/SLATE) AT THE PATCH PANEL END OF EACH CABLE FOR REPAIR OR FUTURE USE
3. CROSS CONNECT A MINIMUM OF 300 PAIRS BETWEEN THE SERVICE PROVIDERS DEMARCATION BLOCK AND THE 110 STYLE BLOCKS.
4. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED.

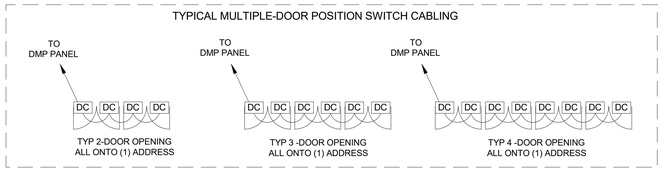
INTERBUILDING BACKBONE CABLE DIAGRAM | NTS | 02



VIDEO SURVEILLANCE TOPOLOGY DIAGRAM | NTS | 03



DESIGNATION	WIRE TYPE
1A	#22 - 2C PLENUM
1B	#22 - 4C PLENUM
1C	#14 - 4C PLENUM
1D	#18 - 4C PLENUM
1E	#18 - 6C SHL'D PLENUM
1G	CAT 6 PLENUM CABLE
1H	CAT 6 PATCH CABLE
1J	#18-2C SOLID CONDUCTOR
1K	#22-6C PLENUM
1L	#18 - 2C INDOOR/OUTDOOR
1M	#14 - 2C INDOOR/OUTDOOR



NOTES:

1. QTY OF ENHANCED DOOR CONTROLLERS AND ENHANCED SITE CONTROLLERS SHALL BE PER CARD READER QUANTITIES ON PLANS. ALL REQUIRED CONTROL CABLING FROM THE DATA ROOMS TO EACH ACCESS CONTROL DEVICE IS REQUIRED AS PART OF HIS BID MANUAL.
2. QUANTITY OF ACCESS CONTROL MODULES AS REQUIRED IN EACH DATA ROOM.
3. INTERCOM DOOR RELEASE SYSTEM SHALL RELEASE THE DOOR FROM THE DMP PANEL.
4. STROBES SHALL BE ENGAGED UPON ACTIVATION OF LOCKDOWN BUTTON.
5. DOORS WITH LOCAL DOOR ALARMS SHALL SOUND WHEN DOORS ARE OPENED.
6. DOORS WITH LOCAL DOOR ALARMS AND KEY SWITCHES SHALL BE CONFIGURED FOR THE KEY SWITCH TO OVERRIDE THE LOCAL ALARM WHEN ENGAGED. ALL KEY SWITCHES SHALL BE KEYED ALIKE.
7. DOORS WITH LOCAL DOOR ALARMS AND CARD READERS SHALL BE CONFIGURED SO CARD READER BYPASSES LOCAL ALARM.
8. ALL ZONE EXPANDERS SHALL BE LOCATED WITHIN THE DATA ROOMS.
9. ALL ZONE EXPANDERS MUST CONNECT VIA A #22-6C PLENUM RATED CABLE. THIS INCLUDES CONNECTIVITY OF ZONE EXPANDERS BETWEEN ALL DATA ROOMS AND THE SERVER ROOM.
10. ALL ENCLOSURES, CABLING, TERMINATIONS, CONFIGURATION AND FINAL TESTING IS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
11. THE ACCESS CONTROLLED DOOR SHALL INTEGRATE WITH THE DISTRICT ACCESS CONTROL SERVER.
12. DMP PANEL SHALL INTEGRATE WITH AVIGILON VIDEO SURVEILLANCE SYSTEM TO MONITOR DOOR PROPPING IN REAL TIME OVER THE AVIGILON MAP FEATURE.

EXPANSION MODULES CABLE DISTANCES BASED UPON CURRENT DRAW AND CABLE GAUGE (IF USING SHIELDED CABLE, DIVIDE THESE VALUES IN HALF)

TOTAL LOAD (MA @ 11.5 VDC)	22 AWG	20 AWG	18 AWG	16 AWG
1-8 MA	12,000 FEET	12,000 FEET	12,000 FEET	12,000 FEET
9-16 MA	7,270 FEET	11,710 FEET	12,000 FEET	12,000 FEET
17-24 MA	4,850 FEET	7,810 FEET	12,000 FEET	12,000 FEET
25-32 MA	3,640 FEET	5,850 FEET	9,280 FEET	12,000 FEET
33-40 MA	2,910 FEET	4,680 FEET	7,410 FEET	11,760 FEET
41-48 MA	2,420 FEET	3,900 FEET	6,170 FEET	9,800 FEET
49-56 MA	2,080 FEET	3,350 FEET	5,290 FEET	8,400 FEET
57-64 MA	1,820 FEET	2,930 FEET	4,630 FEET	7,350 FEET
65-72 MA	1,620 FEET	2,600 FEET	4,110 FEET	6,540 FEET
73-80 MA	1,450 FEET	2,340 FEET	3,700 FEET	5,880 FEET
81-88 MA	1,320 FEET	2,130 FEET	3,370 FEET	5,350 FEET
89-96 MA	1,210 FEET	1,950 FEET	3,090 FEET	4,900 FEET
97-104 MA	1,120 FEET	1,800 FEET	2,850 FEET	4,520 FEET
105-112 MA	1,040 FEET	1,670 FEET	2,650 FEET	4,200 FEET
113-120 MA	970 FEET	1,560 FEET	2,470 FEET	3,920 FEET
121-128 MA	910 FEET	1,460 FEET	2,310 FEET	3,680 FEET

TYPICAL ACCESS CONTROL WIRING DIAGRAM | NTS | 04

Project Title:
ALTERATIONS TO:
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - SEC - BUILDING #2 WIRING DIAGRAMS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number: T400-2

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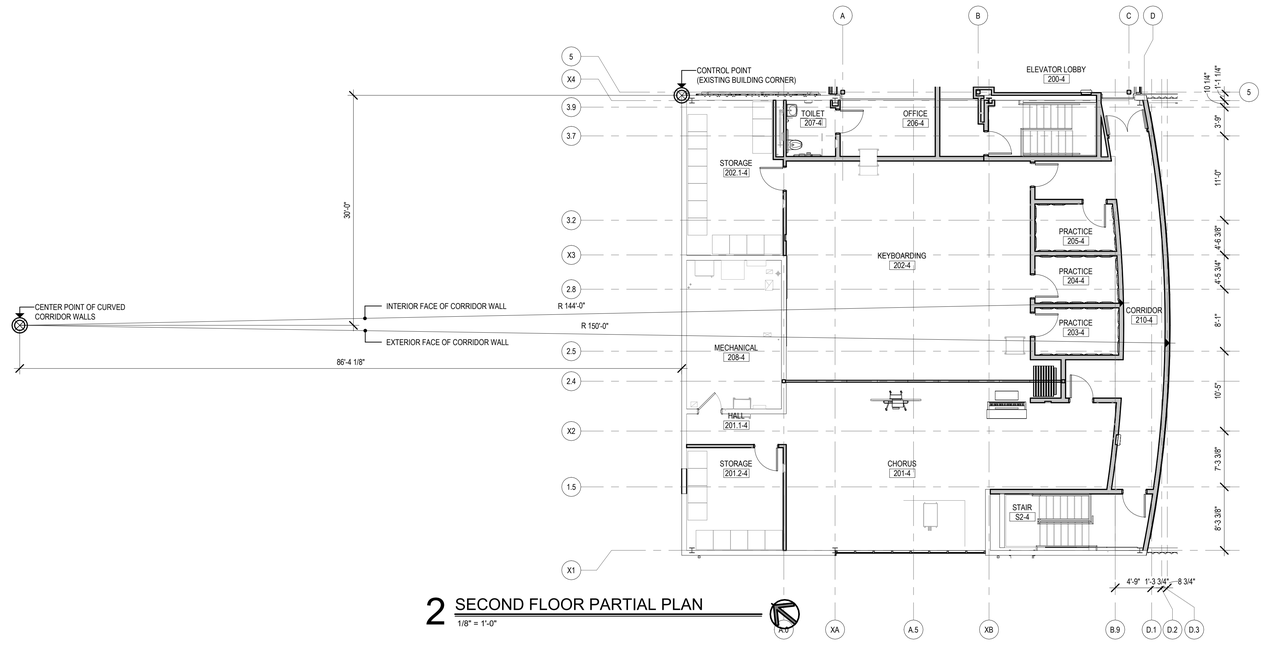
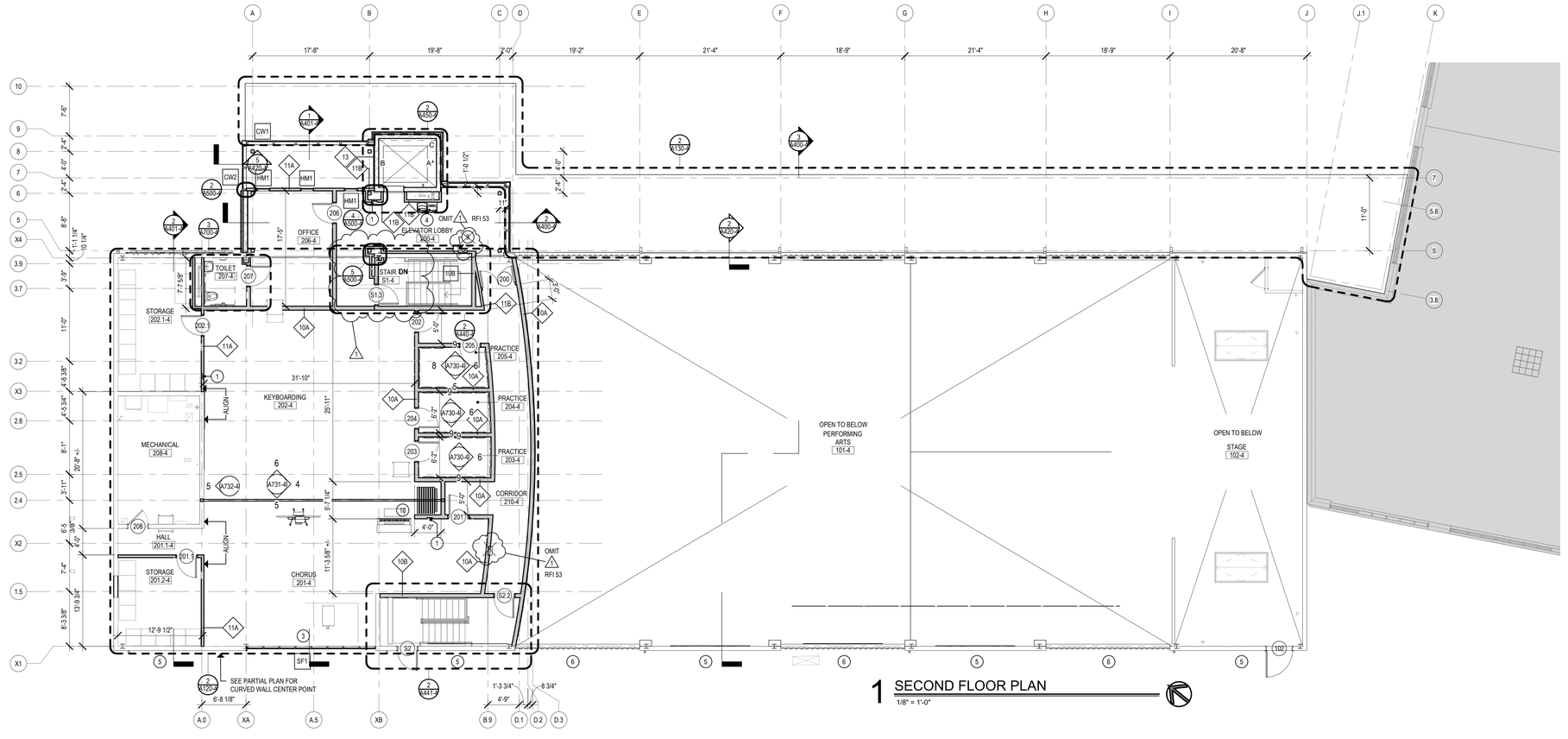


2 SECOND FLOOR PARTIAL PLAN

1/8" = 1'-0"



1 SECOND FLOOR PLAN

1/8" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 / A — DOOR NUMBER
- FT / OFFICE / ### — WINDOW TYPE; ROOM NAME; ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
- 2 / A101 — EXTERIOR ELEVATION NUMBER; SHEET NUMBER
- 2 / A101 — INTERIOR ELEVATION NUMBER; SHEET NUMBER
- 2 / A101 — BUILDING SECTION NUMBER; SHEET NUMBER
- 2 / A101 — WALL SECTION NUMBER; SHEET NUMBER
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- H.D.F. — HANDICAPPED DRINKING FOUNTAIN

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND FINISH FACE OF GYP. UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

1	PROVIDE FIRE EXTINGUISHER AND SEMI-RECESSED CABINET. SET BOTTOM OF CABINET AT 32" A.F.F. SEE PROJECT MANUAL.
2	PROVIDE FIRE EXTINGUISHER AND SURFACE MOUNTED CABINET. SET BOTTOM OF CABINET AT 32" A.F.F. SEE PROJECT MANUAL.
3	PROVIDE ROLLER SHADE AT WINDOW - VERIFY ALL EXISTING WINDOW DIMENSIONS PRIOR TO ORDERING SHADES - SEE PROJECT MANUAL.
4	PROVIDE "HIGH-LOW" DOUBLE WATER COOLER UNIT WITH BOTTLE FILLER AT LOW ONE. SEE MEP DRAWINGS, SEE ALSO PROJECT MANUAL.
5	PAINT ENTIRE EXISTING EXTERIOR CMU WALL AFTER CLEANING AND PREPING SURFACE. SEE PROJECT MANUAL
6	PAINT ENTIRE EXISTING EXTERIOR CORRUGATED METAL WALL AFTER CLEANING AND PREPING SURFACE. SEE PROJECT MANUAL
7	PROVIDE 12" X 18" METAL ACCESS PANEL. COORDINATE LOCATION WITH DRAIN LOCATIONS IN PLUMBING DRAWINGS. SEE ALSO PROJECT MANUAL.
8	PROVIDE 18" X 18" METAL ACCESS PANEL. COORDINATE LOCATION WITH DRAIN LOCATIONS IN PLUMBING DRAWINGS. SEE ALSO PROJECT MANUAL.
9	PROVIDE SEMI-RECESSED AED CABINET WITH STROBE ALARM AND AED DEVICE.
10	PROVIDE MOVEABLE PARTITION SECTIONS AND OVERHEAD TRACK. REFER TO DETAILS ON A220-4 AND INTERIOR ELEVATION 7/A731-4. SEE PROJECT MANUAL, SEE ALSO STRUCTURAL DRAWINGS
11	SLAB CUT AND TRENCH INFILL - COORDINATE WITH MEP - APPROXIMATE EXTENT SHOWN WITH HATCH.

KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 4 - SECOND FLOOR PLAN
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MES
Project Number: 22.050
Drawing Number: A120-4

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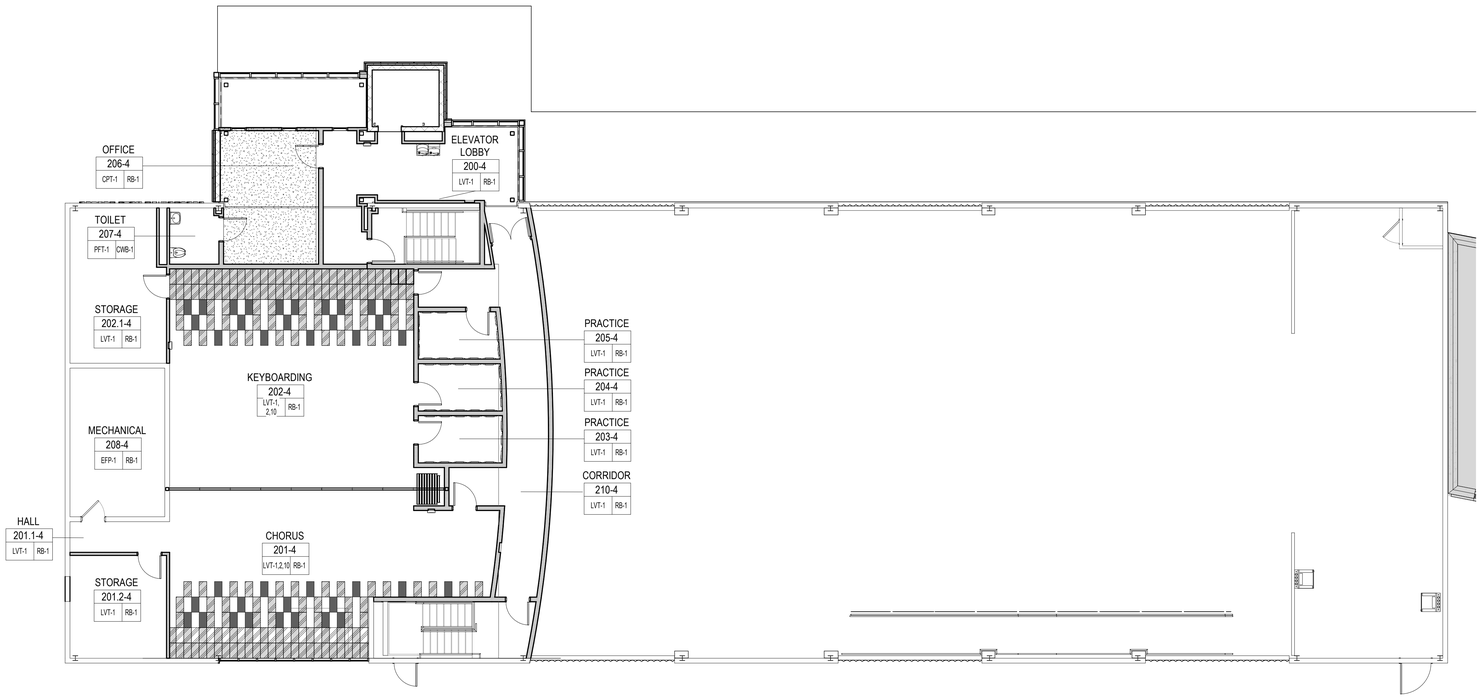
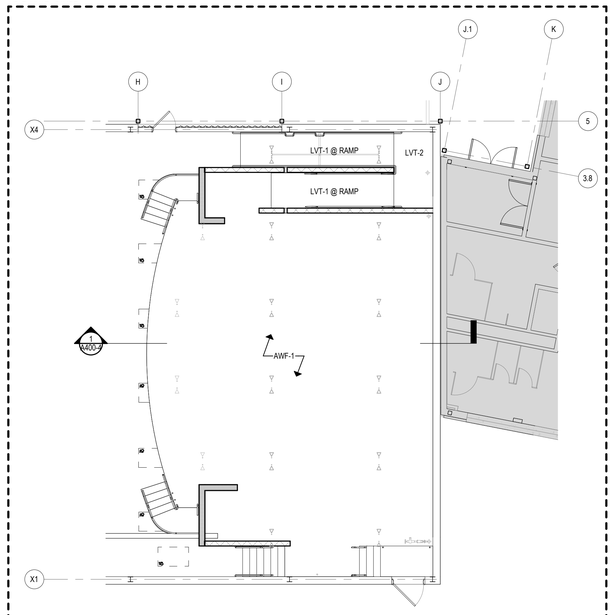
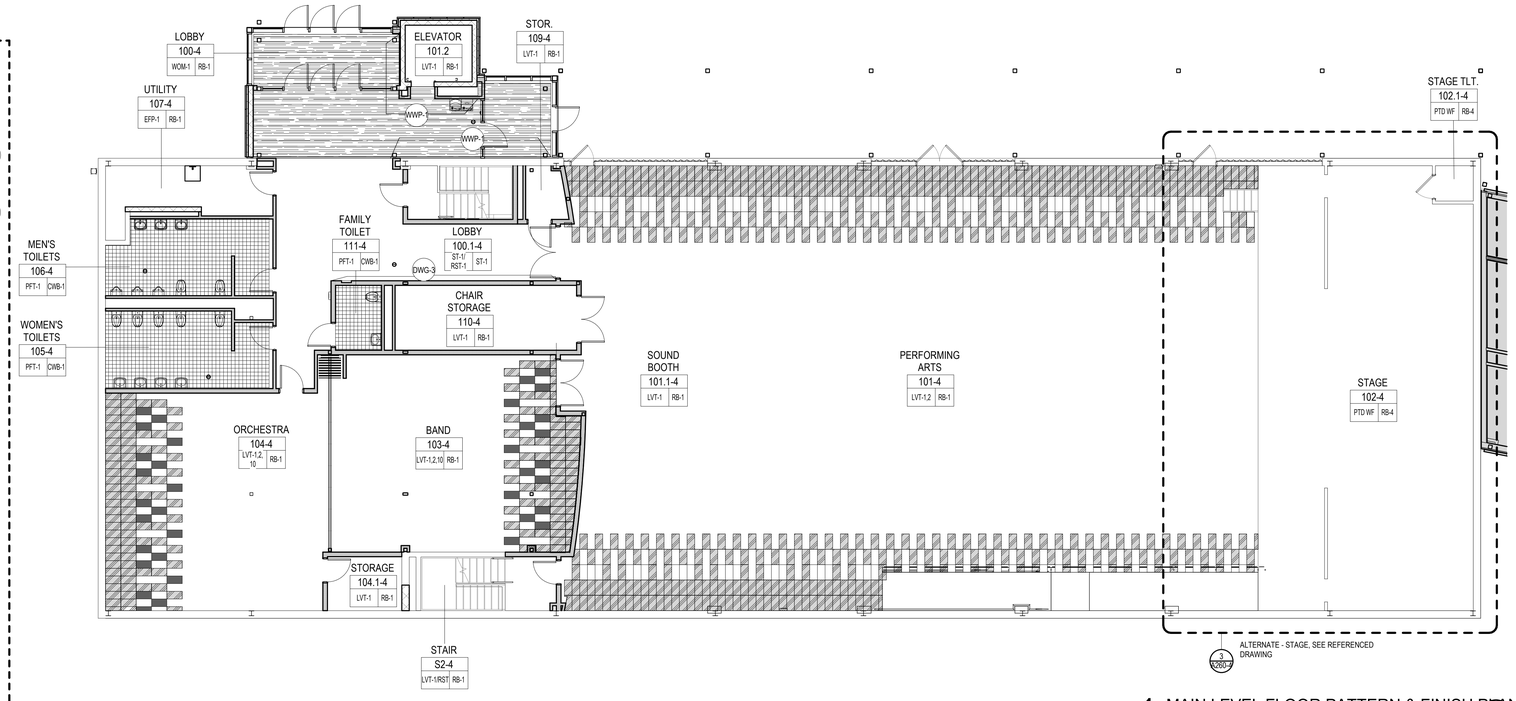


2 SECOND FLOOR PATTERN & FINISH PLAN
1/8" = 1'-0"



3 ALTERNATE - STAGE FLOOR PATTERN & FINISH PLAN
1/8" = 1'-0"



1 MAIN LEVEL FLOOR PATTERN & FINISH PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- PFT-1
- EFP-1
- RST-1
- LVT-1
- ST-1
- LVT-2
- WOM-1
- LVT-10

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH AT TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
3. PROFESSIONALLY CLEAN EXISTING WALL TILE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
4. SAND AND REFINISH WOOD FLOORING AND RISER TO MATCH ARCHITECT'S SAMPLE.
5. SHADING INDICATES AREA TO PATCH IN FLOOR TILE FROM REMOVAL OF STEAM RADIATOR, MATCH EXISTING.
6. SAND AND PREP EXISTING WOOD SILL AND TRIM FOR NEW PAINTED FINISH, TO BE PAINTED PT-12.
7. PREP WALL FOR NEW PAINT FINISH; SKIM COAT EXISTING WALL WITH A LAYER OF PLASTER FOR A SMOOTH AND CLEAN SURFACE.
8. SHADING INDICATES AREA OF WOOD FLOORING TO BE REPAIRED.
9. PROVIDE WALL FINISHES TO MATCH EXISTING ADJACENT WALLS.; REFER TO FINISH SCHEDULE FOR NEW FINISHES.

KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

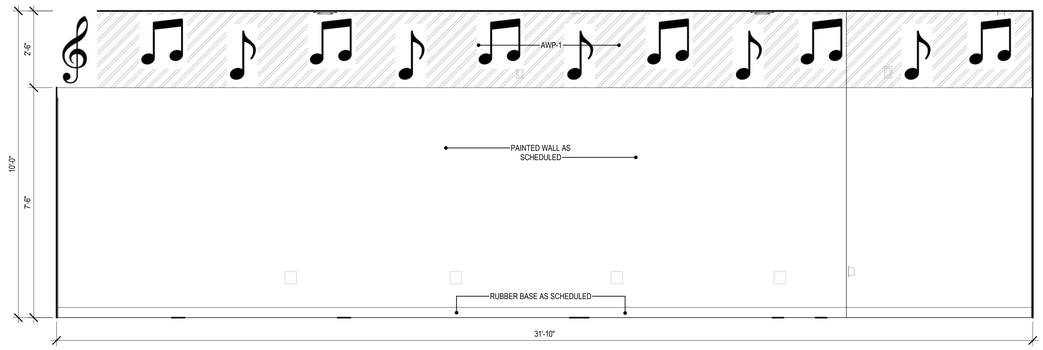
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 4 - PATTERN & FINISH PLANS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

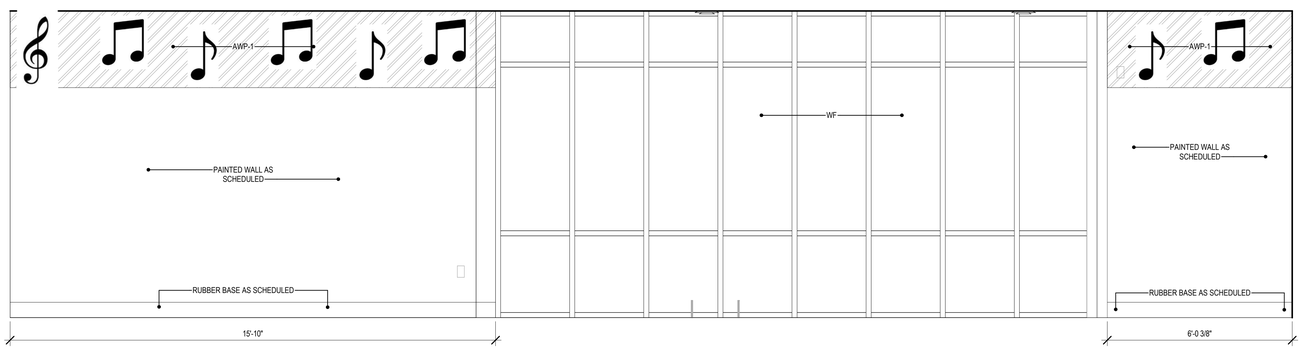
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A260-4

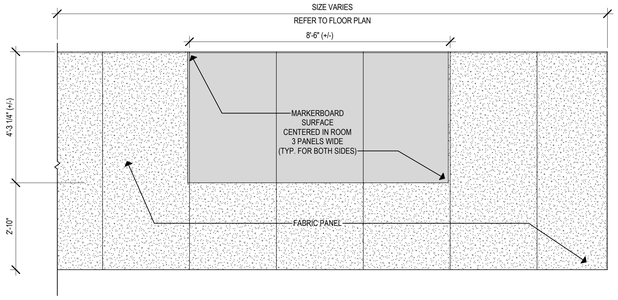
1/8/2026 2:12:28 PM



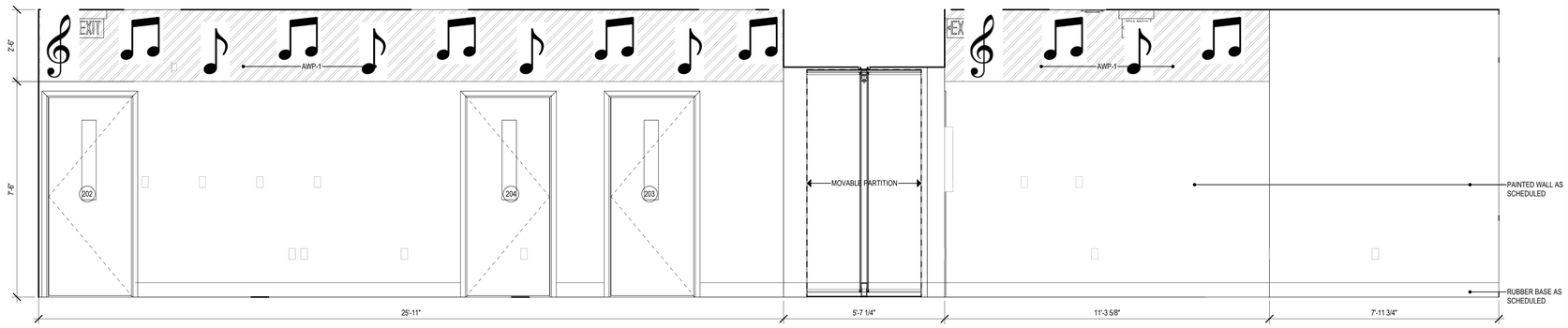
6 KEYBOARDING 202-4 - ELEVATION
1/2" = 1'-0"



5 CHORUS 201-4 - ELEVATION
1/2" = 1'-0"

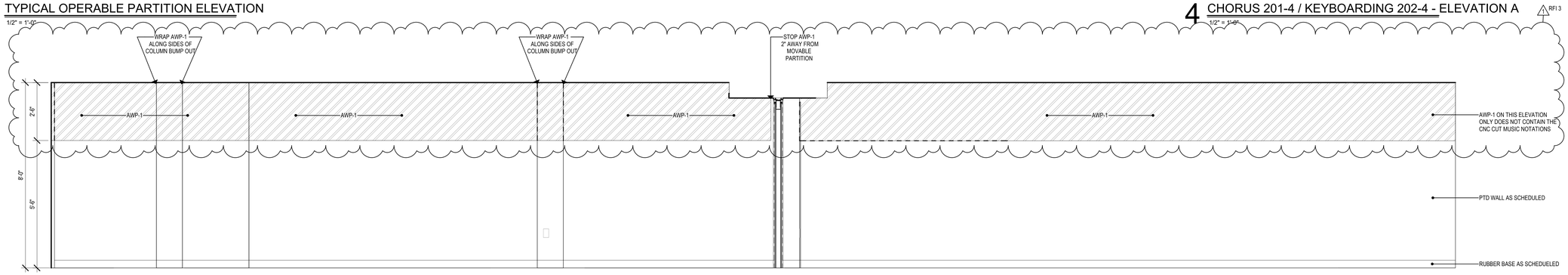


7 TYPICAL OPERABLE PARTITION ELEVATION
1/2" = 1'-0"

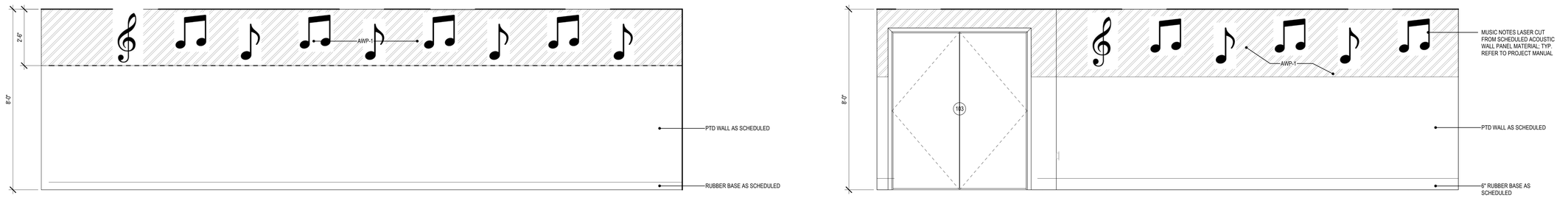


4 CHORUS 201-4 / KEYBOARDING 202-4 - ELEVATION A
1/2" = 1'-0"

RFI 3



3 BAND 103-4 / ORCHESTRA 104-4 - ELEVATION B
1/2" = 1'-0"



2 ORCHESTRA 104-4 - ELEVATION
1/2" = 1'-0"

1 BAND 103-4 - ELEVATION
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 4 - INTERIOR ELEVATIONS

Project Phase:
ISSUED FOR BID - 11/03/2025

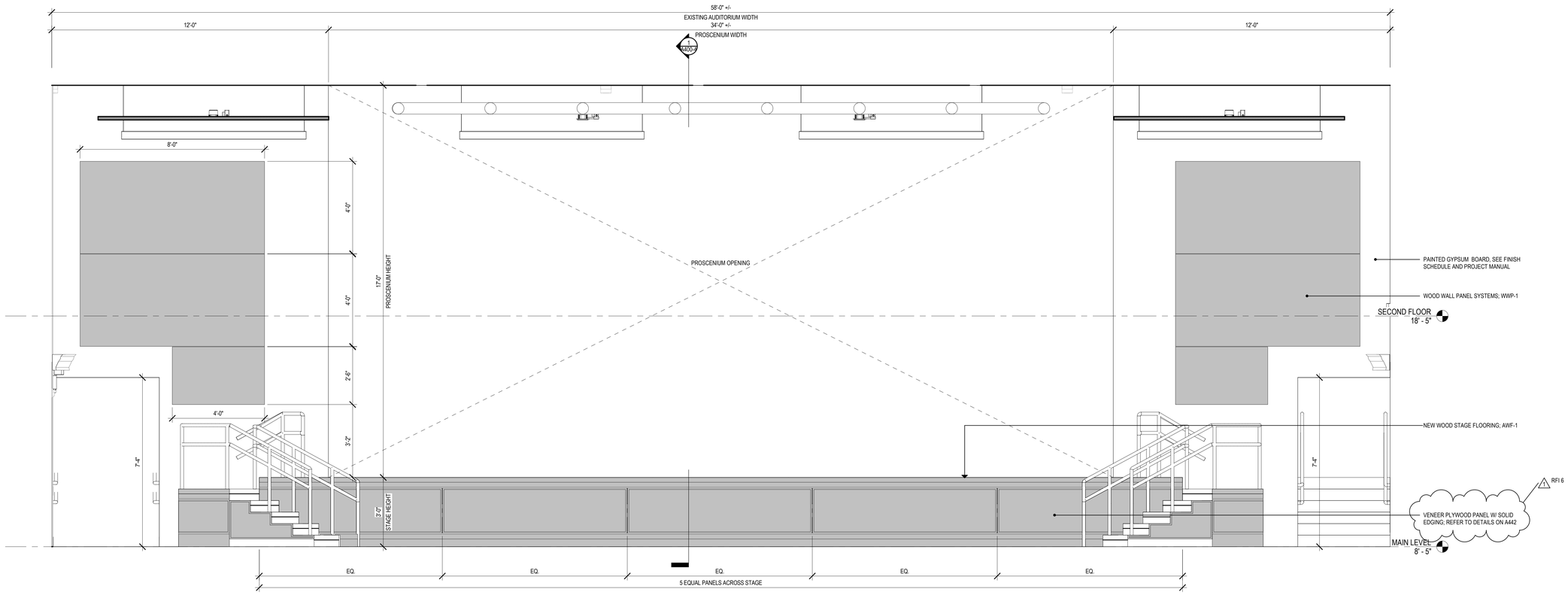
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD
Project Number: 22.050

Drawing Number:
A731-4

1/9/2026 10:56:13 AM

ENTIRE SHEET IS FOR ALTERNATE - STAGE



1 ALTERNATE - STAGE ELEVATION

1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

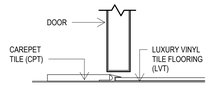
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 4 - ALTERNATE - INTERIOR ELEVATIONS
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

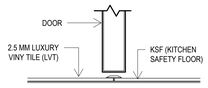
Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD
Project Number: 22.050

Drawing Number: A733-4

1/9/2026 2:12:28 PM



FTS-1



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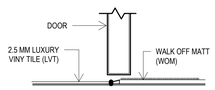

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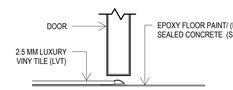
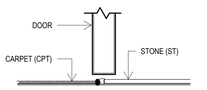
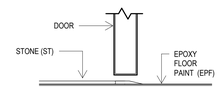


FTS-4



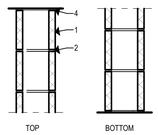
FTS-5



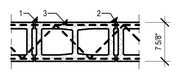
FTS-6

8 FLOOR FINISH TRANSITIONS

3" = 1'-0"



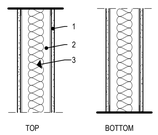
VERTICAL SECTION



HORIZONTAL SECTION

1 — 8" CMU WALL; UL #U905; STC RATING - 45

1. CONCRETE BLOCK CLASSIFICATION D-2
2. MORTAR 3/8" THICK FULL BED
3. HORIZONTAL REINFORCING @ 16" O.C. VERT.
4. FIRE SAFING



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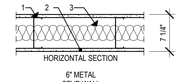
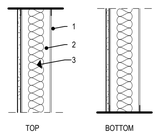


HORIZONTAL SECTION

10A — 6" METAL STUD WALL W/ SOUND BATT; UL #U404; STC RATING - 46

10B — 1 HR RATED WALL UL #U404; STC RATING - 46

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS



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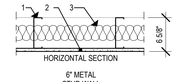
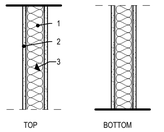


HORIZONTAL SECTION

10C — 6" METAL STUD WALL W/ SOUND BATT; UL #U404; STC RATING - 37

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS



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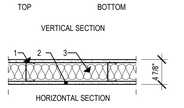
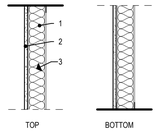


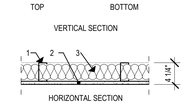
HORIZONTAL SECTION

11A — 3 5/8" METAL STUD WALL W/ SOUND BATT; UL #U404 OR SIMILAR; STC RATING - 44

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS



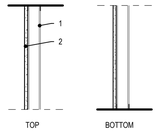
VERTICAL SECTION



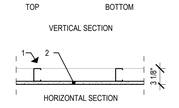
HORIZONTAL SECTION

11B — 3 5/8" METAL STUD WALL W/ SOUND BATT; UL # - N/A; STC RATING - 35

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS



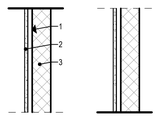
VERTICAL SECTION



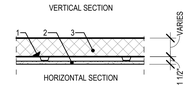
HORIZONTAL SECTION

12 — 2 1/2" METAL STUD WALL; UL # - N/A; STC RATING - N/A

1. 2 1/2" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. --
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS



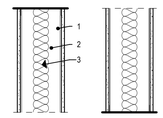
VERTICAL SECTION



HORIZONTAL SECTION

13 — 7/8" METAL FURRING CHANNEL W/ GYPSUM; UL # - N/A; STC RATING - N/A

1. 7/8" METAL FURRING CHANNEL @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. REFER TO PLAN FOR CORE WALL TYPE



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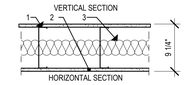


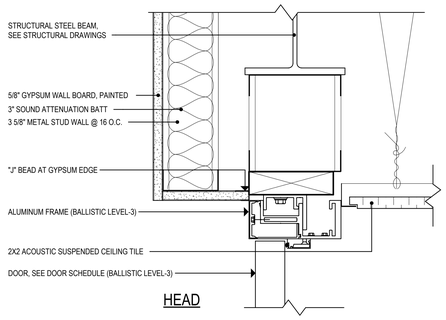
HORIZONTAL SECTION

14 — 8" METAL STUD WALL W/ SOUND BATT; UL #U404; STC RATING - 46

1. 3 5/8" METAL STUDS @ 12" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS

7 PARTITION TYPES

1" = 1'-0"



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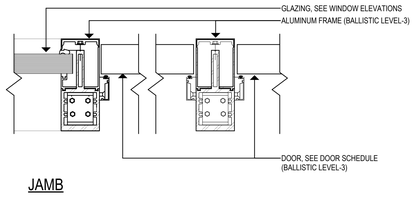
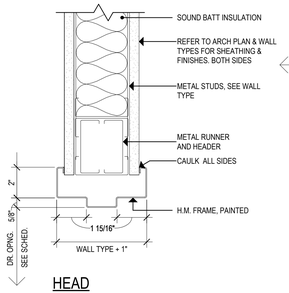


JAMB

6 TYP. BALLISTIC RATED DOOR HEAD & JAMB MID FRAME

3" = 1'-0"



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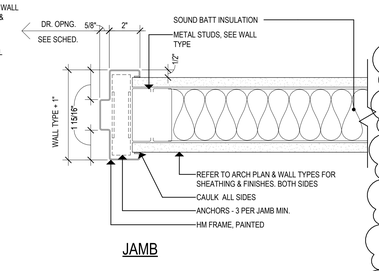
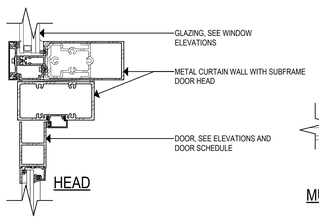


JAMB

5 HM-1 DOOR HEAD & JAMB

3" = 1'-0"



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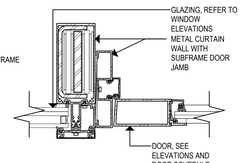
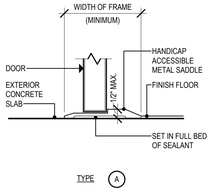


MULLION JAMB

4 TYP. BLAST RESISTANT CURTAIN WALL DOOR HEAD & JAMB

3" = 1'-0"



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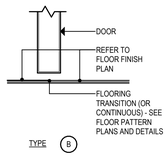
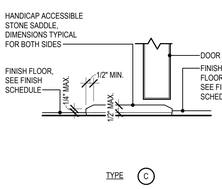


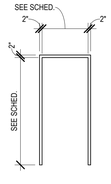
TYPE (B)



TYPE (C)

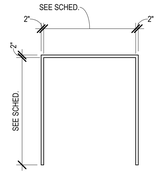
3 DOOR SADDLE TYPES

3" = 1'-0"



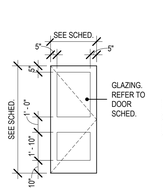
TYPE A

H.M. FRAME

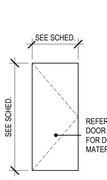


TYPE B

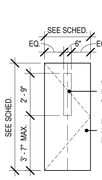
H.M. FRAME (DOUBLE DOOR)



TYPE: AL-1



TYPE: WD-1 & HM-1



TYPE: WD-2 & HM-2

2 FRAME ELEVATIONS

1/4" = 1'-0"

1 DOOR ELEVATIONS

1/4" = 1'-0"

FINISH SCHEDULE

No.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	SOUTH WALL FINISH	EAST WALL FINISH	WEST WALL FINISH	CEILING FINISH	Remarks
100-4	LOBBY	WOM-1	RB-1	PT-1	PT-1	PT-1, WWP-1	WWP-1	ACT-1/ PTD GWB	
100.1-4	LOBBY	ST-1/ RST-1	ST-1	PT-1	PT-1	PT-1	DWG-3	ACT-1	
100.2-4	ELEVATOR VESTIBULE								
101-4	PERFORMING ARTS	LVT-1,2	RB-1	PT-1/AWP-4	PT-16	PT-1/AWP-4	PT-1/AWP-4	ACT-4/ ACC-1	
101.1-4	SOUND BOOTH	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	
101.2	ELEVATOR	LVT-1	RB-1	-	-	-	-	-	
102-4	STAGE	PTD WF	RB-4	PT-3	PT-3	PT-3	PT-3	PTD ES	SEE DRAWINGS FOR ALTERNATE
102.1-4	STAGE TLT.	PTD WF	RB-4	PT-3	PT-3	PT-3	PT-3	PTD ES	SEE DRAWINGS FOR ALTERNATE
103-4	BAND	LVT-1,2,10	RB-1	PT-1	PT-1/AWP-1	PT-1/AWP-1	PT-1/AWP-1	ACT-1, 3	
104-4	ORCHESTRA	LVT-1,2, 10	RB-1	PT-1/AWP-1	PT-1	PT-1/AWP-1	PT/AWP-1	ACT-1, 3	
104.1-4	STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-1	
105-4	WOMEN'S TOILETS	PFT-1	CWB-1	CWT-1/EP-2	CWT-1	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
106-4	MEN'S TOILETS	PFT-1	CWB-1	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
107-4	UTILITY	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	PTD ES	
109-4	STOR.	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-1	
110-4	CHAIR STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	PTD ES	
111-4	FAMILY TOILET	PFT-1	CWB-1	CWT-1/EP-2	CWT-1/EP-2	CWT-1	CWT-1/EP-2	ACT-2	
200-4	ELEVATOR LOBBY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
201-4	CHORUS	LVT-1,2,10	RB-1	PT-1/AWP-1	PT-1/AWP-1	PT-1	PT-1/AWP-1	ACT-1, 3	
201.1-4	HALL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
201.2-4	STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-1	
202-4	KEYBOARDING	LVT-1, 2,10	RB-1	PT-1/AWP-1	PT-1/AWP-1	PT-1/AWP-1	PT-1/AWP-1	ACT-1, 3	
202.1-4	STORAGE	LVT-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-1	
203-4	PRACTICE	LVT-1	RB-1	PT-1AWP-3	PT-1/AWP-3	PT-1/AWP-3	PT-1/AWP-3	ACT-1	
204-4	PRACTICE	LVT-1	RB-1	PT-1AWP-3	PT-1/AWP-3	PT-1/AWP-3	PT-1/AWP-3	ACT-1	
205-4	PRACTICE	LVT-1	RB-1	PT-1AWP-3	PT-1/AWP-3	PT-1/AWP-3	PT-1/AWP-3	ACT-1	
206-4	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
207-4	TOILET	PFT-1	CWB-1	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	CWT-1	ACT-2	
208-4	MECHANICAL	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	ES	
210-4	CORRIDOR	LVT-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	
S1-4	STAIR	LVT-1/RST	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
S2-4	STAIR	LVT-1/RST	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	

DOOR SCHEDULE

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	60 MINUTE LABELED	90 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANICEVIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A950-4	SIGNAGE TEXT	REMARKS
100	100-4				3' - 2"	7' - 8"	AL-1	AL	FF	23	CW1	AL	FF	4/A900-4	4/A900-4	A	SEE A600					•	•	•		•	•		•	•			•				1, 2, 4, 5, 6, 8
100.1	100-4				3' - 2"	7' - 8"	AL-1	AL	FF	23	CW1	AL	FF	4/A900-4	4/A900-4	A	SEE A600					•	•	•		•	•		•	•			•				1, 2, 4, 5, 8
100.2	100-4				3' - 2"	7' - 8"	AL-1	AL	FF	23	CW1	AL	FF	4/A900-4	4/A900-4	A	SEE A600					•	•	•		•	•		•	•			•				1, 2, 4, 5, 8
100.3		100.2-4			3' - 2"	7' - 8"	AL-1	AL	FF	23	CW1	AL	FF	4/A900-4	4/A900-4	A	SEE A600					•	•	•		•	•		•	•			•				1, 2, 4, 5, 6, 8
100.4	100.1-4	100-4			3' - 2"	7' - 8"	AL-1	AL	FF	7	SF2	AL	FF	6/A900-4	6/A900-4	B	SEE A600					•	•	•		•	•		•	•			•				1, 2, 3, 5, 6, 8
100.5	100.1-4	100-4			3' - 2"	7' - 8"	AL-1	AL	FF	7	SF2	AL	FF	6/A900-4	6/A900-4	B	SEE A600					•	•	•		•	•		•	•			•				1, 2, 3, 5, 8
100.6	100.1-4	100-4			3' - 2"	7' - 8"	AL-1	AL	FF	7	SF2	AL	FF	6/A900-4	6/A900-4	B	SEE A600					•	•	•		•	•		•	•			•				1, 2, 3, 5, 8
100.7	100.2-4	100.1-4			3' - 2"	7' - 8"	AL-1	AL	FF	7	SF3	AL	FF	6/A900-4	6/A900-4	B	SEE A600					•	•	•		•	•		•	•			•	S6.1	EXIT		1, 2, 3, 5, 6, 8
101	101-4	100.1-4	•		6' - 8"	7' - 0"	WD-1	WD	ST/CLR		B	HM	PT	HM-1	HM-1	A				•			•						•	•	•		•	S7	PERFORMING ARTS	
101.1	101-4				3' - 0"	6' - 8"	EX	HM	PT		EX	HM	PT	EX	EX	A						•		•		•							•	S6	EXIT	9
101.2	101-4		•		6' - 0"	6' - 8"	EX	HM	PT		EX	HM	PT	EX	EX	A						•		•		•							•	S6	EXIT	9
101.3	101-4				3' - 0"	6' - 8"	EX	HM	PT		EX	HM	PT	EX	EX	A						•		•		•							•	S6	EXIT	9
102	102-4				4' - 0"	6' - 6"	HM-1	HM	PT		EX	HM	PT	EX	EX	A						•	•	•		•		•			•		•	S6	EXIT	7, 10, 11
102.1	102.1-4	102-4			3' - 0"	7' - 0"	EX	WD	ETR		EX	HM	PT	EX	EX	B						•											•	S6	CLOSET	
103	103-4	101-4	•		6' - 0"	7' - 0"	WD-1	WD	ST/CLR		B	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S1	BAND CLASSROOM	
104	104-4	100.1-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S1	ORCHESTRA CLASSROOM	
104.1	104-4	104.1-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B					•		•	•		•			•	•	•		•	S7	STORAGE	
105	100.1-4	105-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	C				•			•	•		•			•	•	•		•	S2	WOMEN'S RESTROOM	
106	100.1-4	106-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	C				•			•	•		•			•	•	•		•	S3	MEN'S RESTROOM	
107	100.1-4	107-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S7	UTILITY CLOSET	
109	100.1-4	109-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S7	STORAGE	
110	110-4	101-4	•		6' - 0"	7' - 0"	WD-1	WD	ST/CLR		B	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S7	CHAIR STORAGE	
111	111-4	100.1-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	C				•			•	•		•			•	•	•		•	S4	FAMILY RESTROOM	
200	210-4	200-4	•		5' - 0"	7' - 0"	WD-1	WD	ST/CLR		B	HM	PT	HM-1	HM-1	B			•			•		•		•			•	•	•		•			
201	210-4	201-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	B						•	•	•		•			•	•	•		•	S1	CHORUS CLASSROOM	
201.1	201.2-4	201.1-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B						•		•		•			•	•	•		•	S7	STORAGE	
202	210-4	202-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	B						•	•	•		•			•	•	•		•	S1	KEYBOARDING CLASSROOM	
202.1	202-4	202.1-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	B						•		•		•			•	•	•		•	S7	STORAGE	
203	202-4	203-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	5	A	HM	PT	HM-1	HM-1	B						•		•		•			•	•	•		•	S7	PRACTICE ROOM	12
204	202-4	204-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	5	A	HM	PT	HM-1	HM-1	B						•		•		•			•	•	•		•	S7	PRACTICE ROOM	12
205	210-4	205-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	5	A	HM	PT	HM-1	HM-1	B						•		•		•			•	•	•		•	S7	PRACTICE ROOM	12
206	200-4	206-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	B				•			•	•		•			•	•	•		•	S7	MUSIC OFFICE	
207	206-4	207-4			3' - 0"	7' - 0"	WD-1	WD	ST/CLR		A	HM	PT	HM-1	HM-1	C						•		•		•			•	•	•		•	SS	TOILET	
208	201.1-4	208-4			3' - 0"	7' - 0"	EX	WD	ETR		EX	HM	PT	EX	EX	B						•		•			•							•	S7	MECHANICAL	9
S1.1	S1-4	100.1-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	A				•			•	•		•			•	•	•		•	S10	STAIR/EXIT	
S1.3	200-4	S1-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR		A	HM	PT	HM-1	HM-1	A				•			•	•		•			•	•	•		•	S10	STAIR/EXIT	
S2	S2-4				3' - 0"	7' - 0"	HM-1	HM	PT		EX	HM	PT	EX	EX	A						•	•	•		•			•	•	•		•	S6	EXIT	7, 10
S2.1	101-4	S2-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	A				•			•	•		•		•	•	•	•		•	S10	STAIR/EXIT	11
S2.2	210-4	S2-4			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	HM-1	HM-1	A				•			•	•		•			•	•	•		•	S10	STAIR/EXIT	11

ABBREVIATIONS

AL/ALUM	-	ALUMINUM
CLR	-	CLEAR
EX	-	EXISTING
ETR	-	EXISTING TO REMAIN
FF	-	FACTORY FINISH
FG	-	FIBERGLASS
FRP	-	FIBER REINFORCED PANEL
HM	-	HOLLOW METAL
INSUL.	-	INSULATED
PT	-	PAINTED
SS	-	STAINLESS STEEL
ST	-	STAINED
STL	-	STEEL
TEMP	-	TEMPERED
WD	-	WOOD

GENERAL DOOR NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
2. ALL NEW KICK PLATES SHALL BE 12" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. CENTERED AT BOTTOM OF DOOR.
3. ALL GLASS IN DOORS, SIDELITES AND TRANSOMS SHALL BE TEMPERED UNLESS OTHERWISE NOTED, SEE SCHEDULE FOR SPECIFIC TYPE AND THICKNESS, SEE ALSO PROJECT MANUAL.
4. ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHER STRIPPING ON SIDES, TOP AND BOTTOM.
5. PROVIDE CONTINUOUS HINGES AT ALL EXTERIOR DOORS AND OTHER LOCATIONS AS NOTED.
6. FOR ALL DOORS WITH FRAME TYPE DESIGNATION "ALUM" AND OR C.W. / S.F. SEE STOREFRONT/CURTAIN WALL ELEVATIONS FOR HEAD, JAMBS, AND GLAZING WITHIN FRAME.
7. PROVIDE APPLIED DOOR NUMBER DECAL AT ALL EXTERIOR DOORS UNLESS OTHERWISE NOTED. SEE DETAILS 5 & 6 ON A950-4
8. AT EXTERIOR DOUBLE DOORS, PROVIDE ONLY ONE PULL HANDLE AND ONE CYLINDER LOCK.
9. OMIT PUSH PLATE AT DOORS EQUIPPED WITH PANIC HARDWARE AND UNSECURE / EXTERIOR SIDE PULLS.
10. PROVIDE PULL HANDLE AT ACTIVE LEAF ONLY AT PAIRS OF DOORS.

SCHEDULE REMARKS (LAST COLUMN IN DOOR SCHEDULE):

1. COORDINATE DOOR(S) SIZE WITH CURTAIN WALL / STOREFRONT SYSTEM. SEE EXTERIOR ELEVATIONS AND CURTAIN WALL / STOREFRONT TYPES, INCLUDING BALLISTIC TYPES.
2. PROVIDE PULL HARDWARE ON EXTERIOR, OMIT PUSH PLATES.
3. DOOR ASSEMBLY AND CURTAIN WALL SYSTEM SHALL BE BALLISTIC RATED (LEVEL-3). SEE ALSO PROJECT MANUAL
4. DOOR ASSEMBLY AND CURTAIN WALL SYSTEM SHALL BE BLAST RESISTANT. SEE ALSO PROJECT MANUAL
5. PROVIDE CONTINUOUS HINGES.
6. PROVIDE ACCESS CONTROL AND ELECTRIC HARDWARE AT THIS DOOR. COORDINATE WITH CARD READER AND REMOTE OPENER (FROM MAIN OFFICE). REFER TO TECHNOLOGY PLANS & PROJECT MANUAL FOR MORE INFORMATION.
7. NO HARDWARE AT EXTERIOR SIDE OF DOOR.
8. PROVIDE POWER OPENER AND REMOTE PUSH PLATES (OUTSIDE AND INSIDE) WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COORDINATE OPERATION WITH SECURITY SYSTEM AND FEATURES OF OTHER ACCESS EQUIPMENT (DOOR POWER OPERATOR CANNOT FUNCTION UNLESS PERSONNEL IN THE OFFICE RELEASE THE ELECTRIC DOOR LATCHS). DOOR LEAF TO RECEIVE THE POWER OPERATOR IS INDICATED ON FLOOR PLAN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND POWER REQUIREMENTS.
9. EXISTING DOOR TO REMAIN, FINISH AS INDICATED.
10. REMOVE EXISTING DOOR AND HARDWARE, EXISTING FRAME TO REMAIN. PROVIDE NEW DOOR TO FIT IN EXISTING FRAME. PROVIDE NEW HARDWARE AS SCHEDULED. PAINT EXISTING FRAME, FINISH AS INDICATED.
11. PROVIDE DECAL STATING "EMERGENCY EXIT ONLY. SECURITY ALARM WILL SOUND IF DOOR IS OPENED."
12. FRAME MANUFACTURER TO PROVIDE MORTISED ACOUSTIC AUTOMATIC DOOR BOTTOM WITH SOLID NEOPRENE SEAL ALONG WITH NEOPRENE GASKET TRIM AROUND DOOR OPENING.

GLAZING SCHEDULE

GL-2	CLEAR, TEMPERED
GL-5	CLEAR, LAMINATED
GL-7	CLEAR, BALLISTIC
GL-13	INSULATED, TINTED, TEMPERED
GL-17	INSULATED, TINTED, LAMINATED
GL-20	INSULATED, SPANDREL
GL-23	INSULATED, BLAST RESISTANT, TINTED

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 4 - DOOR SCHEDULE, DETAILS, WALL TYPES & FINISH SCHED.

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MES/ KD
Project Number: 22.050

Drawing Number: A900-4

1/6/2026 11:25:08 AM

COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR: CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HS82WP			COMMMENTS
W ▶	Wall Phone Outlet	1		1			1			1	1		1				Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1					Mounting Height 18" AFF unless otherwise noted.
1V1D ▶	1 Voice - 1 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
1V2D ▶	1 Voice - 2 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
#V #D ▶	Floor Box						A/R			A/R	A/R	1					Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP	Wireless Access Point Ceiling Mounted									2	2			1			Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans - Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
AP	Wireless Access Point Wall Mounted	1		1			1			2	2			1			
MON ▷	1 Data Outlet For Monitor				1		1			1	1						Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES: 1

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS AP'S = ORANGE
   D. SECURITY CAMERAS = BLACK

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
S	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	12" SQ., Wall Mounted Speaker. - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					12" Clock Unless Otherwise Noted on Plans. 16" = 16" diameter clock - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #2SLVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Exterior / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX	1-1/2" C	CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR: CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6" PATCH CABLE	BELDEN #1583A(F) COMPOSIT CABLE PLENUM or Equal 18-4C, SHLTD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLTD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM			COMMENTS
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1									1									
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1					2								DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1				1	A/R													REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD". REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1				1					1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR INTERCOM.
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1					1								1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICM'S, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1				1									1					
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1				1											1			
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1				1											1			
	DURESS BUTTON	SENTROL UL RATED #3050																	2			PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300															1					MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1					1											2			MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1					1											1			MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1					1						1					1			MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1								1					
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1		1												1			COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1		1												1			
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1			1												1			COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS

- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — DETAIL/PLAN IDENTIFIER
- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — SECTION IDENTIFIER
- 1 / T301 — DETAIL NUMBER / SHEET NUMBER — ELEVATION IDENTIFIER
- 1 — DRAWINGS KEYNOTE NOTE TAG
- 1 — EQUIPMENT NOTE TAG
- CONDUIT SLEEVE - THROUGH CEILING TO ABOVE FLOOR
- CONDUIT SLEEVES - THROUGH FLOOR TO BELOW FLOOR
- CONDUIT SLEEVES - HORIZONTAL

Project Title:
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KEY PLAN & GENERAL NOTES
Project Phase: ISSUED FOR BID - 11/03/2025
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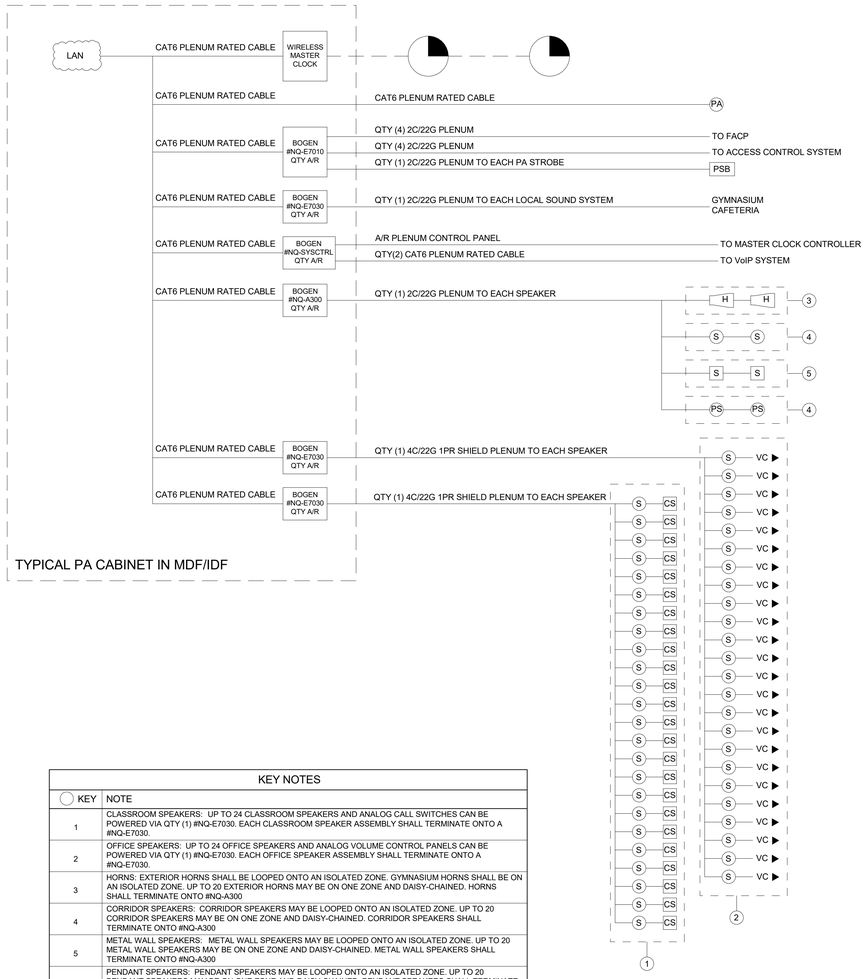


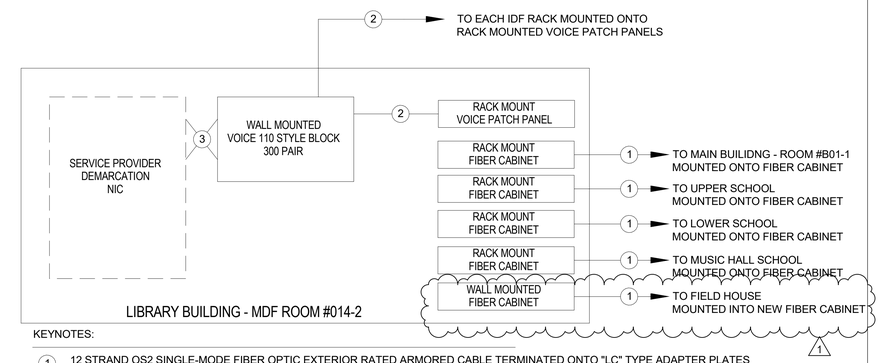
TYPICAL PA CABINET IN MDF/IDF

KEY NOTES	
KEY	NOTE
1	CLASSROOM SPEAKERS: UP TO 24 CLASSROOM SPEAKERS AND ANALOG CALL SWITCHES CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH CLASSROOM SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
2	OFFICE SPEAKERS: UP TO 24 OFFICE SPEAKERS AND ANALOG VOLUME CONTROL PANELS CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH OFFICE SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
3	HORNS: EXTERIOR HORNS SHALL BE LOOPED ONTO AN ISOLATED ZONE. GYMNASIUM HORNS SHALL BE ON AN ISOLATED ZONE. UP TO 20 EXTERIOR HORNS MAY BE ON ONE ZONE AND DAISY-CHAINED. HORNS SHALL TERMINATE ONTO #NQ-A300
4	CORRIDOR SPEAKERS: CORRIDOR SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 CORRIDOR SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. CORRIDOR SPEAKERS SHALL TERMINATE ONTO #NQ-A300
5	METAL WALL SPEAKERS: METAL WALL SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 METAL WALL SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. METAL WALL SPEAKERS SHALL TERMINATE ONTO #NQ-A300
6	PENDANT SPEAKERS: PENDANT SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 PENDANT SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. PENDANT SPEAKERS SHALL TERMINATE ONTO #NQ-A300

GENERAL NOTES

1. ALL PUBLIC ADDRESS CABLING FOR DEVICES SHALL BE CABLED TO THE DATA ROOMS AS INDICATED ON THE CABLE DECLINATIONS FOR LOW VOLTAGE CABLING.
2. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
3. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION, SEQUENCE OF OPERATION AND OF WIRING.
4. FOR MICROPHONE CABLE RUNS, MAINTAIN A CLEARANCE OF A MINIMUM OF 12" FROM CONDUIT AND CABLES USED FOR ELECTRICAL POWER DISTRIBUTION. WHERE THIS IS NOT FEASIBLE, CROSS HIGHER VOLTAGE LINES PERPENDICULARLY.
5. ALL PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING MATERIAL.
6. SPEAKER CONDUCTORS INSTALLED IN ROOMS OF INSTRUCTION AND OFFICES SHALL BE ONE CONTINUOUS HOME RUN TO THE CENTRAL CONTROL RACK NO SPLICES SHALL BE ALLOWED.
7. THIS RISER DIAGRAM IS SHOWN AS REFERENCE TO INDICATE LOOPING AND ZONING REQUIREMENTS, ACTUAL QUANTITIES MUST BE CONFIRMED BY THE BIDDING CONTRACTOR AND BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS, T-SERIES.
8. PA SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 2010 OR THE MOST CURRENT FIRE CODE STANDARD ADOPTED BY THE STATE OF CONNECTICUT.
9. THE FIRE ALARM CONNECTION WITH THE PA SYSTEM SHALL BE COORDINATED WITH OWNER, FIRE ALARM INSTALLER, SECURITY CONSULTANT, AND PA DESIGNER.
10. PRIORITY OVERRIDE LOADS IN EACH INTERACTIVE DISPLAY LOCATION MUST BE CALCULATED INTO THE PUBLIC ADDRESS AMPLIFIER LOADS.
11. A 1 WATT REPEATER SHALL BE INCLUDED IN EACH DATA CLOSET FOR THE WIRELESS CLOCK SYSTEM.
12. ALL EXTERIOR HORNS SHALL BE ON AN ISOLATED ZONE AND CAPABLE OF BEING PROGRAMMED TO ONLY ENGAGE DURING BUS OR EMERGENCY ANNOUNCEMENTS.
13. ALL LAN CONNECTIONS SHOWN ON THE TYPICAL WIRING DIAGRAM SHALL TERMINATE ONTO THE REAR OF 19" CATEGORY 6 RATED PATCH PANELS MOUNTED IN THE TWO/FOUR POST RACKS AS SHOWN ON THE MDF/IDF TECHNOLOGY DETAILS.
14. REFER TO PUBLIC ADDRESS SPECIFICATION FOR ALL REQUIRED LICENSES.
15. NETWORK ELECTRONICS (NETWORK SWITCHES) WILL BE OWNER FURNISHED IN A LATER PHASE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THIS PROJECT TO ADVISE THE OWNER ON IP ADDRESSING, CREATION OF VLANS, AND TO FURNISH THE CONFIGURATION REQUIRED FOR A FULLY FUNCTIONAL PUBLIC ADDRESS SYSTEM ON THE OWNER'S LAN. THE CONTRACTOR SHALL INCLUDE WORK HOURS REQUIRED TO CONFIGURE THIS SYSTEM WITH THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION PROJECT WHEN THE SWITCHES ARE FURNISHED AND INSTALLED.

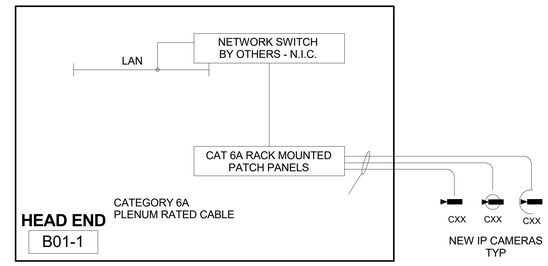
PUBLIC ADDRESS SYSTEM | NTS | 01



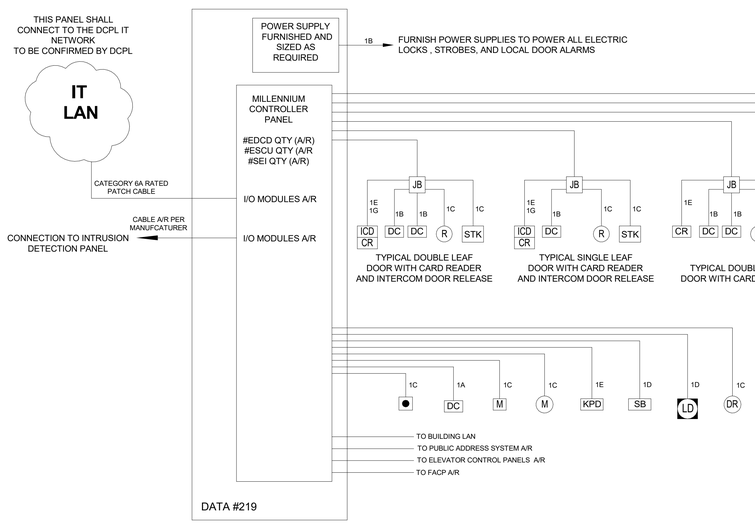
KEYNOTES:

1. 12 STRAND OS2 SINGLE-MODE FIBER OPTIC EXTERIOR RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FIBER CABLING SHALL NOT EXTEND MORE THAN 50FT INTO ANY BUILDING WITHOUT BEING INSTALLED WITHIN CONDUIT OR TRANSITIONED TO INDOOR, PLENUM RATED CABLING.
2. 25 PAIR CATEGORY 3 RATED PLENUM CABLE FROM 300 PAIR 110 STYLE WALL MOUNTED BLOCK AT THE SERVICE PROVIDERS DEMARC AND TERMINATED ONTO 110 STYLE 24 PORT, RACK MOUNTED PATCH PANELS IN EQUIP. RM B01-1 & EACH OTHER DATA ROOM ON RACK MOUNTED PANELS, TERMINATE EACH PAIR OF THE COPPER RISER CABLES ON THE BLUE PAIR (PR 1) OF EACH PORT OF THE PATCH PANELS. COIL THE 25TH PAIR (VIOLET/SLATE) AT THE PATCH PANEL END OF EACH CABLE FOR REPAIR OR FUTURE USE
3. CROSS CONNECT A MINIMUM OF 300 PAIRS BETWEEN THE SERVICE PROVIDERS DEMARCATION BLOCK AND THE 110 STYLE BLOCKS.
4. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED. 1

INTERBUILDING BACKBONE CABLE DIAGRAM | NTS | 02

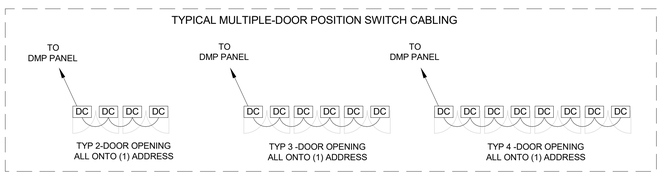


VIDEO SURVEILLANCE TOPOLOGY DIAGRAM | NTS | 03



DESIGNATION	WIRE TYPE
1A	#22 - 2C PLENUM
1B	#22 - 4C PLENUM
1C	#14 - 4C PLENUM
1D	#18 - 4C PLENUM
1E	#18 - 6C SHL'D PLENUM
1G	CAT 6 PLENUM CABLE
1H	CAT 6 PATCH CABLE
1J	#18-2C SOLID CONDUCTOR
1K	#22-6C PLENUM
1L	#18 - 2C INDOOR/OUTDOOR
1M	#14 - 2C INDOOR/OUTDOOR

TYPICAL MULTIPLE-DOOR POSITION SWITCH CABLING



NOTES:

1. QTY OF ENHANCED DOOR CONTROLLERS AND ENHANCED SITE CONTROLLERS SHALL BE PER CARD READER QUANTITIES ON PLANS. ALL REQUIRED CONTROL CABLING FROM THE DATA ROOMS TO EACH ACCESS CONTROL DEVICE IS REQUIRED AS PART OF HIS BID MANUAL.
2. QUANTITY OF ACCESS CONTROL MODULES AS REQUIRED IN EACH DATA ROOM.
3. INTERCOM DOOR RELEASE SYSTEM SHALL RELEASE THE DOOR FROM THE DMP PANEL.
4. STROBES SHALL BE ENGAGED UPON ACTIVATION OF LOCKDOWN BUTTON.
5. DOORS WITH LOCAL DOOR ALARMS SHALL SOUND WHEN DOORS ARE OPENED.
6. DOORS WITH LOCAL DOOR ALARMS AND KEY SWITCHES SHALL BE CONFIGURED FOR THE KEY SWITCH TO OVERRIDE THE LOCAL ALARM WHEN ENGAGED. ALL KEY SWITCHES SHALL BE KEYED ALIKE.
7. DOORS WITH LOCAL DOOR ALARMS AND CARD READERS SHALL BE CONFIGURED SO CARD READER BYPASSES LOCAL ALARM.
8. ALL ZONE EXPANDERS SHALL BE LOCATED WITHIN THE DATA ROOMS.
9. ALL ZONE EXPANDERS MUST CONNECT VIA A #22-6C PLENUM RATED CABLE. THIS INCLUDES CONNECTIVITY OF ZONE EXPANDERS BETWEEN ALL DATA ROOMS AND THE SERVER ROOM.
10. ALL ENCLOSURES, CABLING, TERMINATIONS, CONFIGURATION AND FINAL TESTING IS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
11. THE ACCESS CONTROLLED DOOR SHALL INTEGRATE WITH THE DISTRICT ACCESS CONTROL SERVER.
12. DMP PANEL SHALL INTEGRATE WITH AVIGILON VIDEO SURVEILLANCE SYSTEM TO MONITOR DOOR PROPPING IN REAL TIME OVER THE AVIGILON MAP FEATURE.

EXPANSION MODULES CABLE DISTANCES BASED UPON CURRENT DRAW AND CABLE GAUGE (IF USING SHIELDED CABLE, DIVIDE THESE VALUES IN HALF)

TOTAL LOAD (MA @ 11.5 VDC)	22 AWG	20 AWG	18 AWG	16 AWG
1-8 MA	12,000 FEET	12,000 FEET	12,000 FEET	12,000 FEET
9-16 MA	7,270 FEET	11,710 FEET	12,000 FEET	12,000 FEET
17-24 MA	4,850 FEET	7,810 FEET	12,000 FEET	12,000 FEET
25-32 MA	3,640 FEET	5,850 FEET	9,260 FEET	12,000 FEET
33-40 MA	2,910 FEET	4,680 FEET	7,410 FEET	11,760 FEET
41-48 MA	2,420 FEET	3,900 FEET	6,170 FEET	9,800 FEET
49-56 MA	2,080 FEET	3,350 FEET	5,290 FEET	8,400 FEET
57-64 MA	1,820 FEET	2,930 FEET	4,630 FEET	7,350 FEET
65-72 MA	1,620 FEET	2,600 FEET	4,110 FEET	6,540 FEET
73-80 MA	1,450 FEET	2,340 FEET	3,700 FEET	5,880 FEET
81-88 MA	1,320 FEET	2,130 FEET	3,370 FEET	5,350 FEET
89-96 MA	1,210 FEET	1,950 FEET	3,090 FEET	4,900 FEET
97-104 MA	1,120 FEET	1,800 FEET	2,850 FEET	4,520 FEET
105-112 MA	1,040 FEET	1,670 FEET	2,650 FEET	4,200 FEET
113-120 MA	970 FEET	1,560 FEET	2,470 FEET	3,920 FEET
121-128 MA	910 FEET	1,460 FEET	2,310 FEET	3,680 FEET

TYPICAL ACCESS CONTROL WIRING DIAGRAM | NTS | 04

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

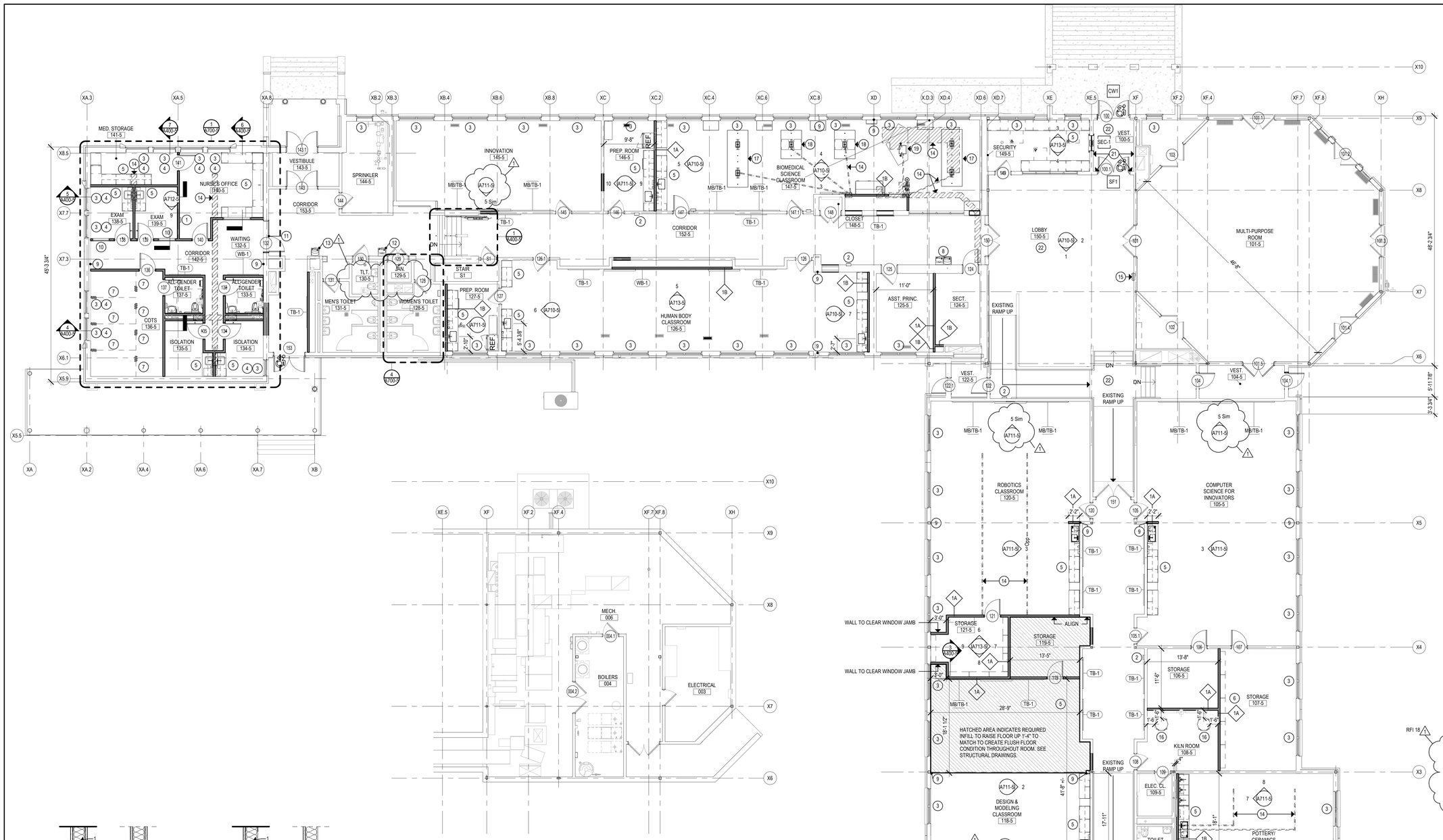
d'agostino & ASSOCIATES
Technology Security Audio Visual
477 Main Street, Suite 210B | Monroe CT 06468
203.497.3064 da-technology.com

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - SEC - BUILDING #4 WIRING DIAGRAMS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG
Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050
Drawing Number: T400-4

1/8/2026 8:08:30 AM



SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 A — DOOR NUMBER
- 1i — WINDOW TYPE
- OFFICE ### — ROOM NAME - ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
- 2 A101 — EXTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 — INTERIOR ELEVATION NUMBER - SHEET NUMBER
- 2 A101 — BUILDING SECTION NUMBER - SHEET NUMBER
- 2 A101 — WALL SECTION NUMBER - SHEET NUMBER
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- H.D.F. — HANDICAPPED DRINKING FOUNTAIN

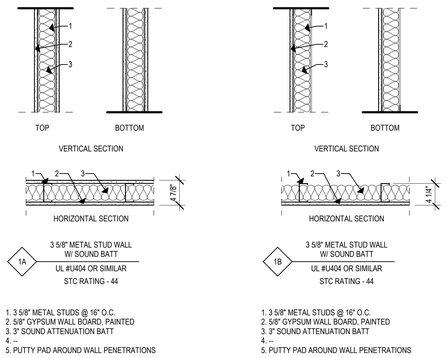
GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND GYPSUM FINISH UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

CONSTRUCTION NOTES - PLAN

1	PROVIDE FIRE EXTINGUISHER AND SEMI-RECESSED CABINET. SET BOTTOM OF CABINET AT 32" A.F.F. SEE PROJECT MANUAL.
2	PROVIDE FIRE EXTINGUISHER AND SURFACE MOUNTED CABINET. SET BOTTOM OF CABINET AT 32" A.F.F. SEE PROJECT MANUAL.
3	PROVIDE ROOM-DARKENING ROLLER SHADE SYSTEM (RS-1) AND PRE-FINISHED ALUMINUM BOX ENCLOSURE AT ENTIRE WINDOW SYSTE; SEE PROJECT MANUAL.
4	PROVIDE FROSTED PRIVACY FILM TO BOTTOM SASH OF GLAZING. SEE PROJECT MANUAL.
5	PROVIDE NEW CABINETS, CASEWORK, COUNTERS AND FIXTURES. SEE INTERIOR ELEVATIONS. SEE ALSO PROJECT MANUAL.
6	PROVIDE NEW SHELVES WITH REQUIRED BRACKETS AND ASSOCIATED HARDWARE. SEE INTERIOR ELEVATIONS, SEE ALSO PROJECT MANUAL.
7	PROVIDE NEW SUSPENDED CUBICAL TRACK, CURTAIN, AND ALL ASSOCIATED HARDWARE. SEE INTERIOR ELEVATIONS, SEE ALSO PROJECT MANUAL.
8	PROVIDE NEW "HIGH-LOW" DOUBLE WATER COOLER UNIT WITH BOTTLE FILLER AT LOW ONE. MODIFY EXISTING WALL AS REQUIRED TO ACCOMMODATE INSTALLATION. SEE ALSO MEP DRAWINGS.
9	PATCH AND REPAIR EXISTING METAL STUD AND GYPSUM WALLS (TO MATCH ADJACENT) AT LOCATION IMPACTED BY DEMOLITION OF EXISTING PERPENDICULAR WALL.
10	PROVIDE PRIVACY ROLLER SHADE SYSTEM AND PRE-FINISHED ALUMINUM BOX ENCLOSURE AT ENTIRE WINDOW SYSTEM.
11	NEW WOOD DOOR LEAVES. LEAF CLOSER TO VESTIBULE 143-5 WILL BE INACTIVE WD-1 WITH DOOR LATCH HARDWARE. PROVIDE PINS AT TOP AND BOTTOM OF LEAF TO LOCK IN PLACE. LEAF CLOSER TO EXIT 153 WILL BE WD-2 WITH POSITIVE LATCHING INTO THE INACTIVE LEAF. SEE DOOR ELEVATIONS ON A930-5, SEE ALSO PROJECT MANUAL.
12	PROVIDE NEW ADA USER WATER COOLER UNIT WITH BOTTLE FILLER. MODIFY EXISTING WALL AS REQUIRED TO ACCOMMODATE INSTALLATION. SEE ALSO MEP DRAWINGS.
13	PROVIDE NEW STANDING USER WATER COOLER UNIT. MODIFY EXISTING WALL AS REQUIRED TO ACCOMMODATE INSTALLATION. SEE ALSO MEP DRAWINGS.
14	(INDICATED BY DASHED PERIMETER) PROVIDE CONCRETE INFILL, INCLUDING SUBBASE AND VAPOR BARRIER, AT ALL AREAS OF TRENCHING. REFER TO STRUCTURAL FOR TYPICAL DETAIL.
15	PROVIDE SEMI-RECESSED AED CABINET WITH STROBE ALARM AND AED DEVICE.
16	PROVIDE MLN. REFER TO PROJECT MANUAL.
17	PROVIDE PRE-MANUFACTURED ADA SCIENCE WORKSTATION; SIMILAR OR EQUAL TO CIF LAB SOLUTIONS STUDENT ISLAND BENCHES MODEL # I0840; SEE MEP DRAWINGS ALSO.
18	PROVIDE PRE-MANUFACTURED ADA SCIENCE WORKSTATION; SIMILAR OR EQUAL TO CIF LAB SOLUTIONS STUDENT ISLAND BENCHES MODEL # I0440; SEE MEP DRAWINGS ALSO.
19	PROVIDE PRE-MANUFACTURED ADA SCIENCE WORKSTATION; SIMILAR OR EQUAL TO CIF LAB SOLUTIONS STUDENT ISLAND BENCHES MODEL # I1510; SEE MEP DRAWINGS ALSO.
21	SECURE REPAIR PANELS @ BULKHEAD EVERY 10 EXISTING METAL STUDS UP TO UNDERSIDE OF DECK. PROVIDE 1 5/8" METAL STUD FURRING @ 16" O.C. WITH 5/8" TYPE "X" GYPSUM WALL BOARD FINISH FACE. SEE FINISH SCHEDULE FOR PAINT.
22	INFILL WITH FLOOR LEVELER TO BE LEVEL AND SMOOTH TO ACCEPT NEW SCHEDULED FINISH.

RFI 18



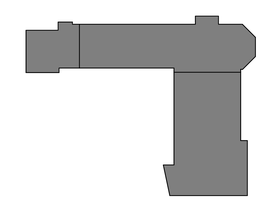
1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS

1. 3 5/8" METAL STUDS @ 16" O.C.
2. 5/8" GYPSUM WALL BOARD, PAINTED
3. 3" SOUND ATTENUATION BATT
4. --
5. PUTTY PAD AROUND WALL PENETRATIONS

2 PARTITION TYPE
1" = 1'-0"

3 PARTIAL BASEMENT PLAN
1/8" = 1'-0"

1 MAIN LEVEL FLOOR PLAN
1/8" = 1'-0"



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV/KD

Drawing Title: BUILDING 5 - MAIN LEVEL FLOOR PLAN

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MES
Project Number: 22.050

Drawing Number: A110-5

1/9/2026 11:14:44 AM

RCP SYMBOL LEGEND

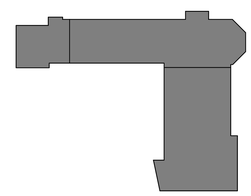
OFFICE ###	- ROOM NAME - ROOM NUMBER
(10'-0")	- CEILING HEIGHT
	- 2' X 2' ACOUSTICAL CEILING TILES & GRID W/ SUPPORTS
	- PAINTED GYPSUM BOARD CEILING
	- EXIT SIGN. REFER TO ELECTRICAL DRAWINGS
	- RECESSED LIGHT FIXTURES, REFER TO ELECTRICAL DRAWINGS
	- 2' X 2' LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	- PENDENT STYLE LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
	- SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS
	- RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS
	- CONCEALED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
	- EXPOSED SPINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
X	- CONSTRUCTION NOTE
X / Axxx	- PLAN/SECTION/DETAIL NUMBER - SHEET NUMBER

CONSTRUCTION NOTES - RCP

1	ACT TO ACT CEILING HEIGHT TRANSITION. SEE DETAIL 2/A220-5. SEE SECTIONS ON A400-5 FOR HEIGHT CHANGES AND CEILING DEPTHS.
2	PATCH AND REPAIR EXISTING GYPSUM SOFFITS (TO MATCH ADJACENT) AT LOCATIONS IMPACTED BY DEMOLITION OF EXISTING PERPENDICULAR WALL.

2 TYPICAL ACT TO ACT TRANSITION
3" = 1'-0"

1 MAIN LEVEL REFLECTED CEILING PLAN
1/8" = 1'-0"



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
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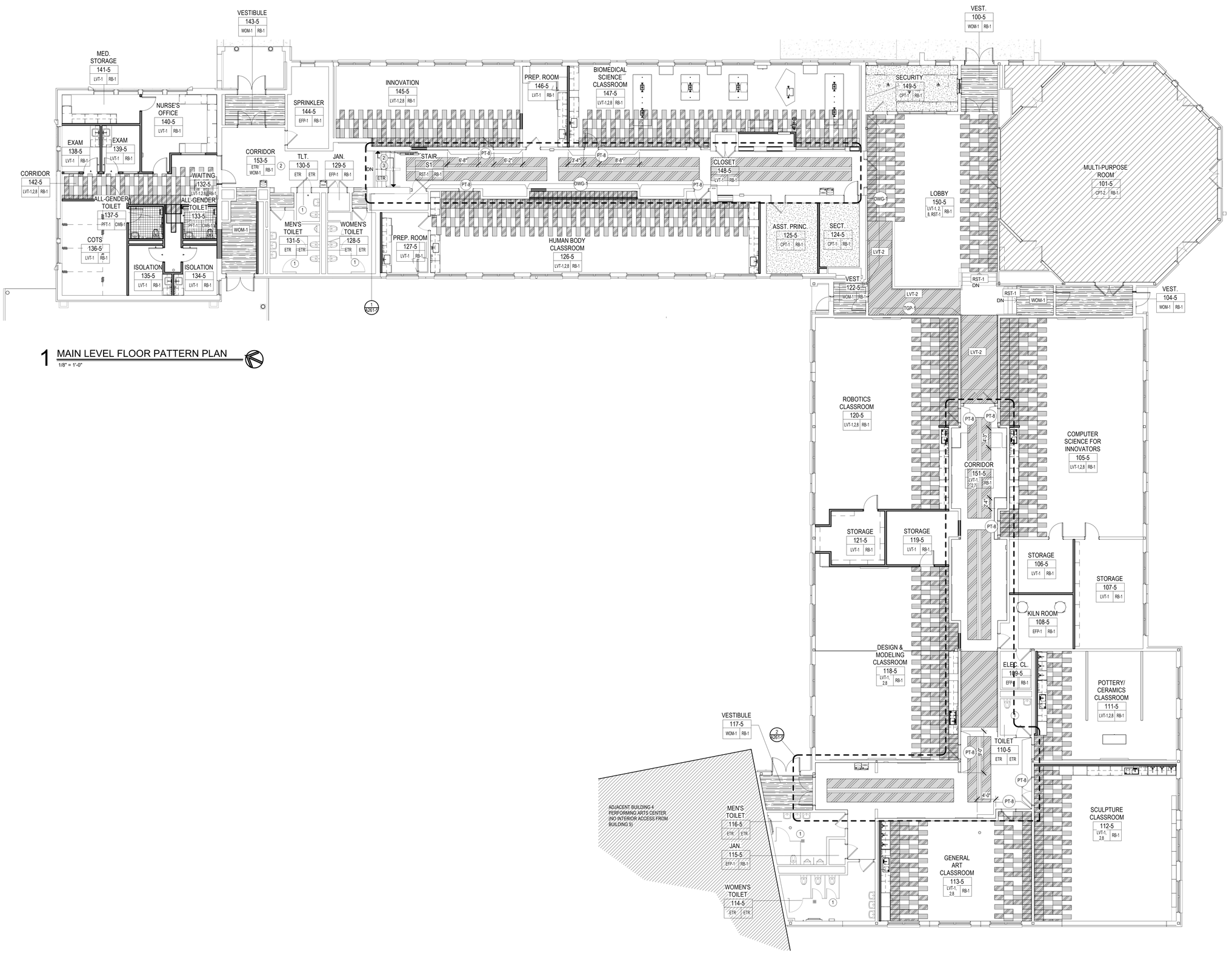
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MES

Drawing Title: BUILDING 5 - MAIN LEVEL CEILING PLAN
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MES
Project Number: 22.050
Drawing Number: A220-5

1/9/2026 1:46:03 PM



1 MAIN LEVEL FLOOR PATTERN PLAN
1/8" = 1'-0"

FLOOR FINISH LEGEND

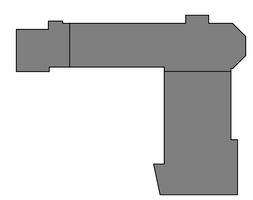
- CPT-1
- CPT-2
- EFP-1
- LVT-1
- LVT-2
- LVT-8
- PFT-1
- RST-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A724-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH, PUTTY, MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
2. REMOVE OLD WAX FROM NATURAL STONE FLOORING USING A COMMERCIAL-GRADE ALKALINE FLOOR STRIPPER, DEEP CLEAN AND POLISH (RE-SEAL) THE EXISTING NATURAL STONE FLOORING.
3. PAINT EXISTING BRICK RISERS; PT-X.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 5 - LOWER SCHOOL FLOOR PATTERN & FINISH PLAN
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: K.D/ B.D
Project Number: 22.050
Drawing Number: A260-5

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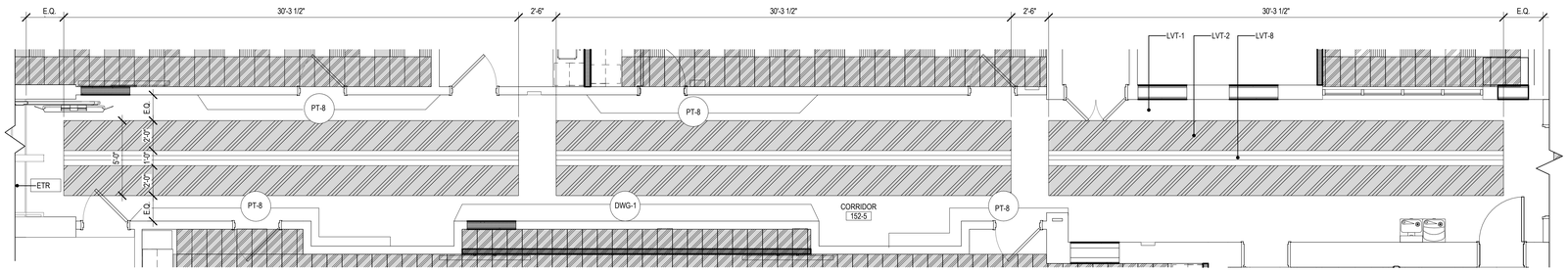
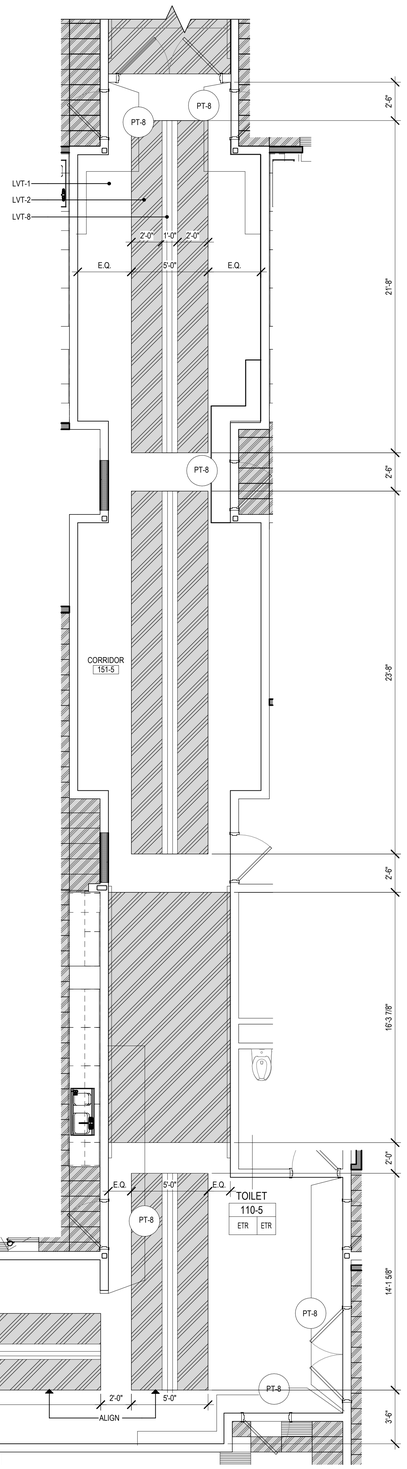


1 ENLARGED MAIN LEVEL CORRIDOR-A

1/4" = 1'-0"



2 ENLARGED MAIN LEVEL CORRIDOR-B

1/4" = 1'-0"

FLOOR FINISH LEGEND

- CPT-1
- CPT-2
- EFP-1
- LVT-1
- LVT-2
- LVT-8
- PFT-1
- RST-1
- WOM-1

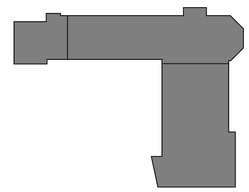
GENERAL FINISH NOTES

1

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINSIH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES (X)

1. PROFESSIONALLY CLEAN EXISTING FLOOR AND WALL TILE. PROVIDE A CLEAR SURFACE GLAZE PROTECTIVE COATING. PATCH AND REPAIR MISSING GROUT AS NEEDED.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 5 - LOWER SCHOOL
ENLARGED FLOOR PATTERN PLAN

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: K.D/ B.D.
Project Number: 22.050

Drawing Number: A261-5

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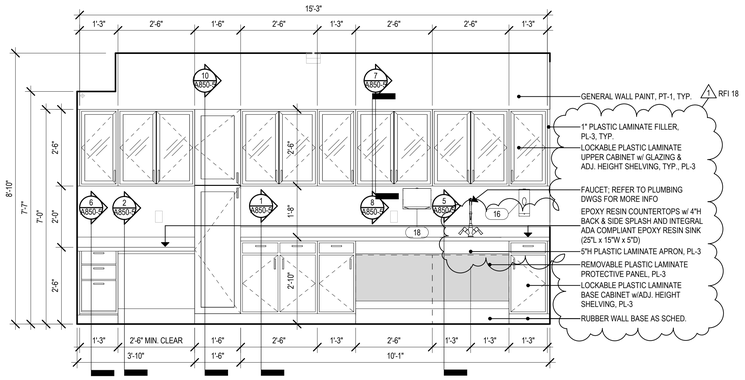
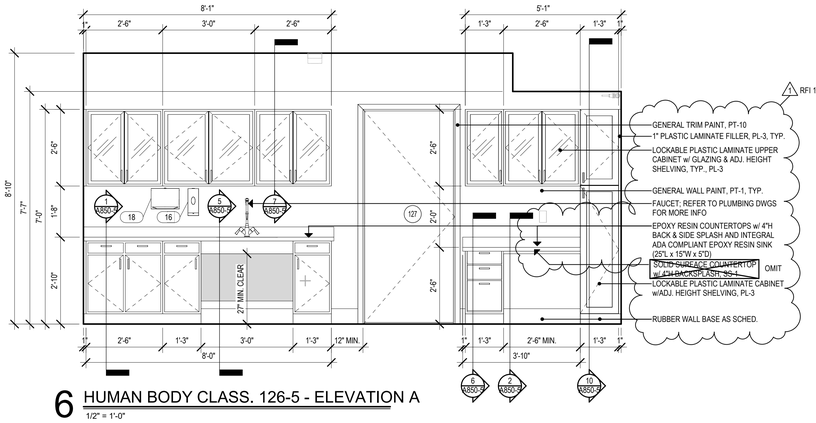


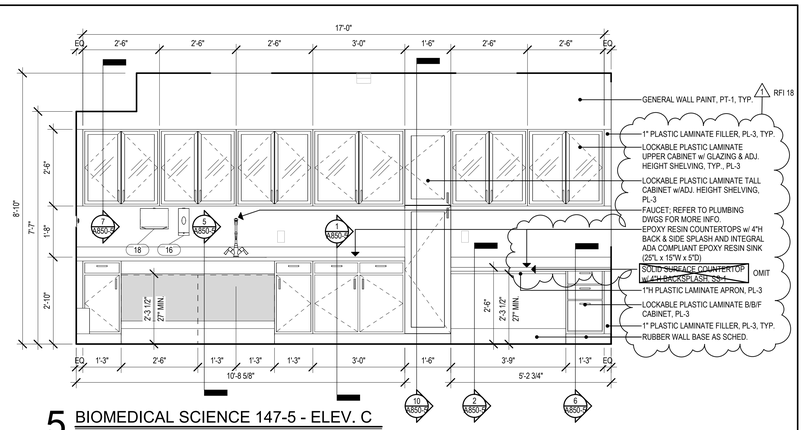
7 HUMAN BODY CLASS. 126-5 - ELEVATION B

1/2" = 1'-0"



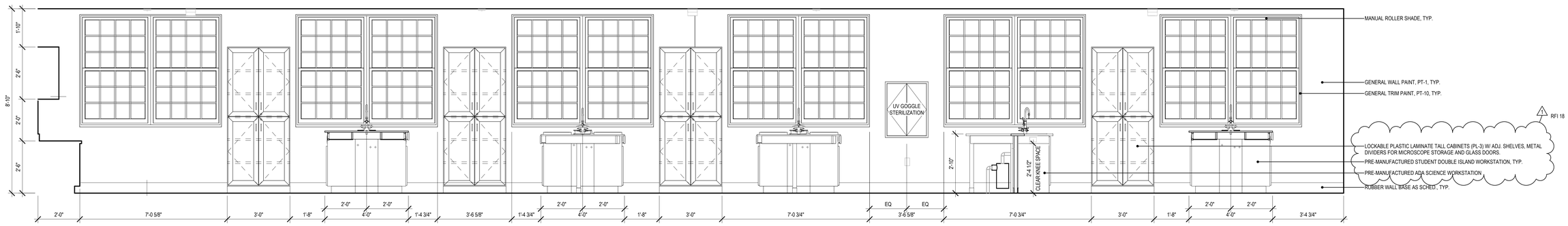
6 HUMAN BODY CLASS. 126-5 - ELEVATION A

1/2" = 1'-0"



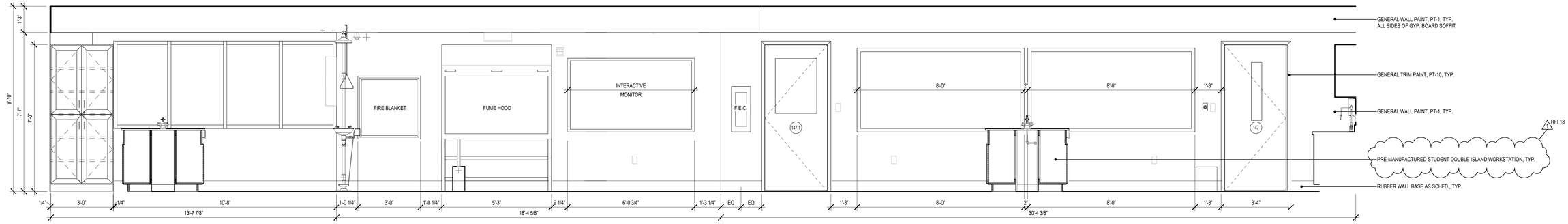
5 BIOMEDICAL SCIENCE 147-5 - ELEV. C

1/2" = 1'-0"



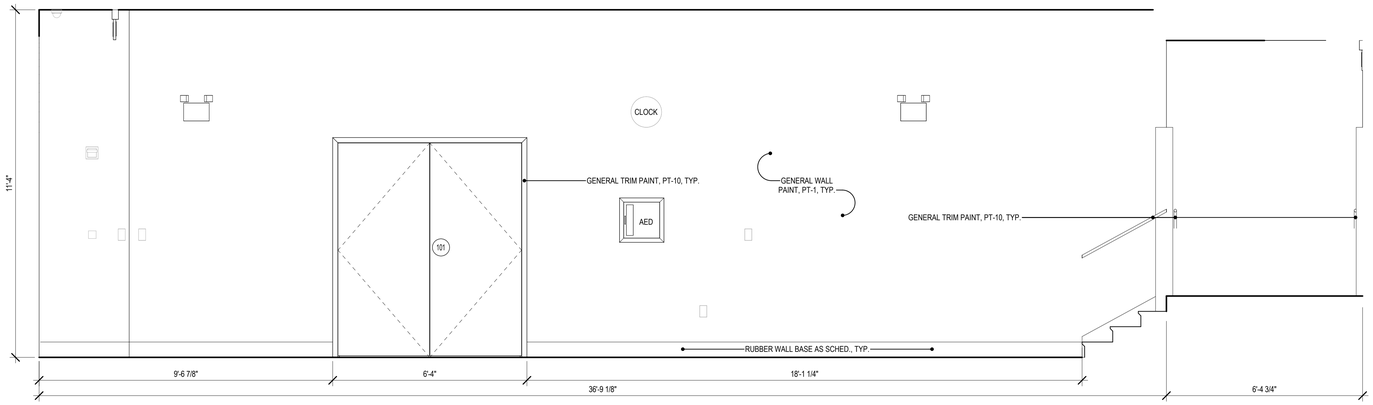
4 BIOMEDICAL SCIENCE 147-5 - ELEV. B

1/2" = 1'-0"



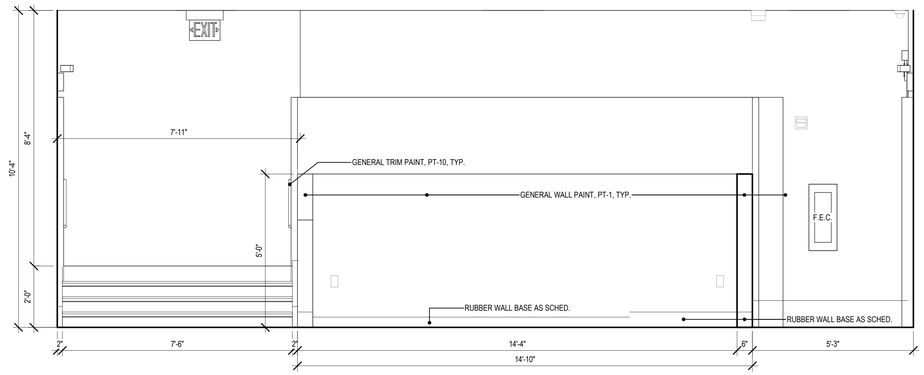
3 BIOMEDICAL SCIENCE 147-5 - ELEV. A

1/2" = 1'-0"



2 LOBBY 150-5 - ELEVATION B

1/2" = 1'-0"



1 LOBBY 150-5 - ELEVATION A

1/2" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 5 - INTERIOR ELEVATIONS

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025

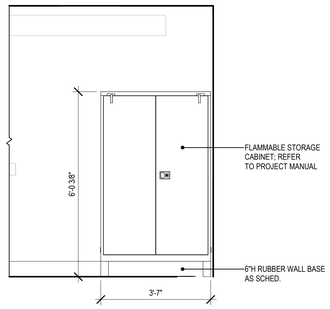
Scale: 1/2" = 1'-0"

Drawn By: JAL

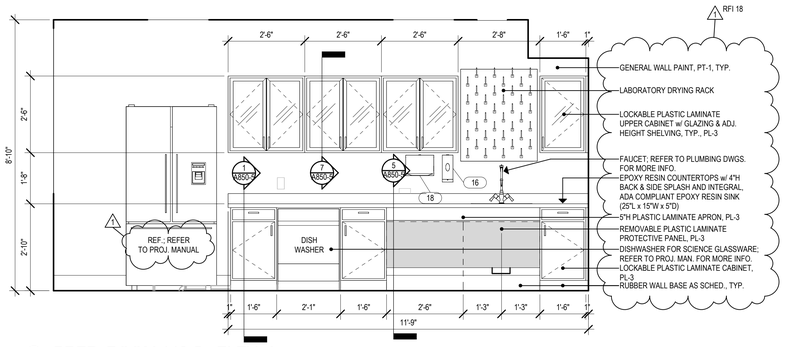
Project Number: 22.050

Drawing Number: A710-5

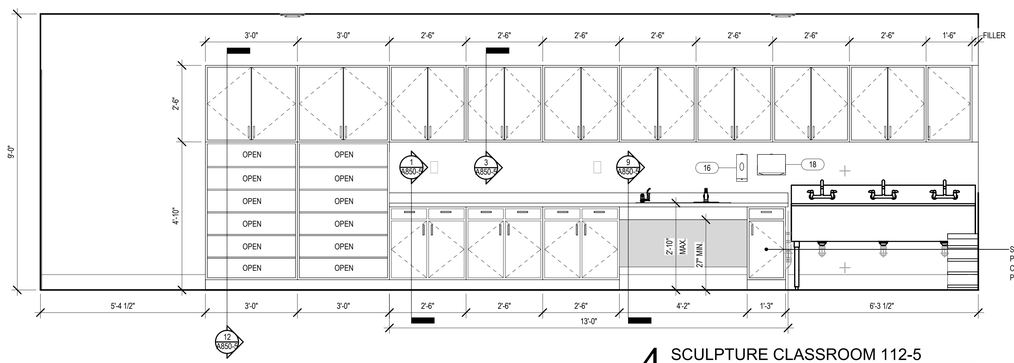
1/9/2026 2:14:07 PM



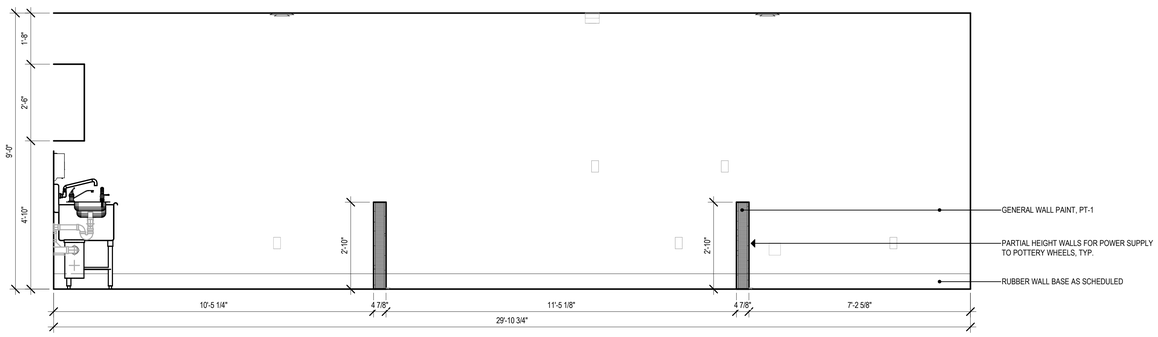
10 PREP. ROOM 146-5 - ELEV. B
1/2" = 1'-0"



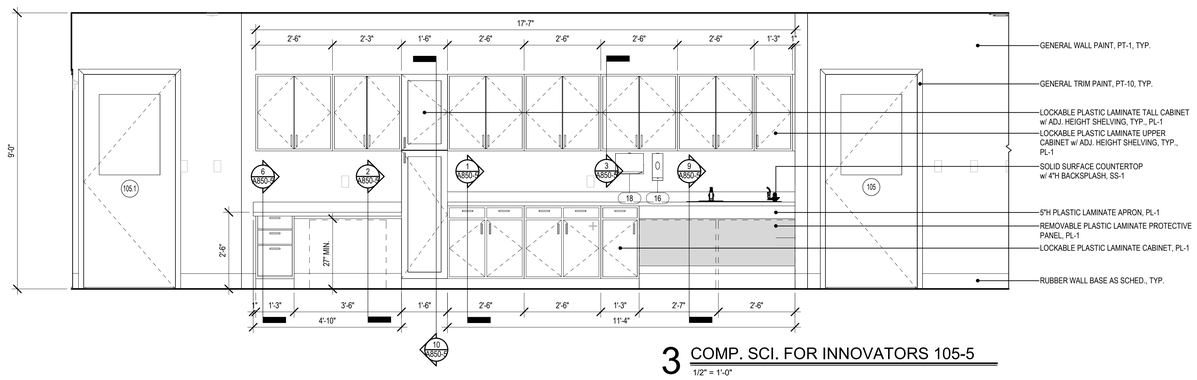
9 PREP. ROOM 146-5 - ELEV. A
1/2" = 1'-0"



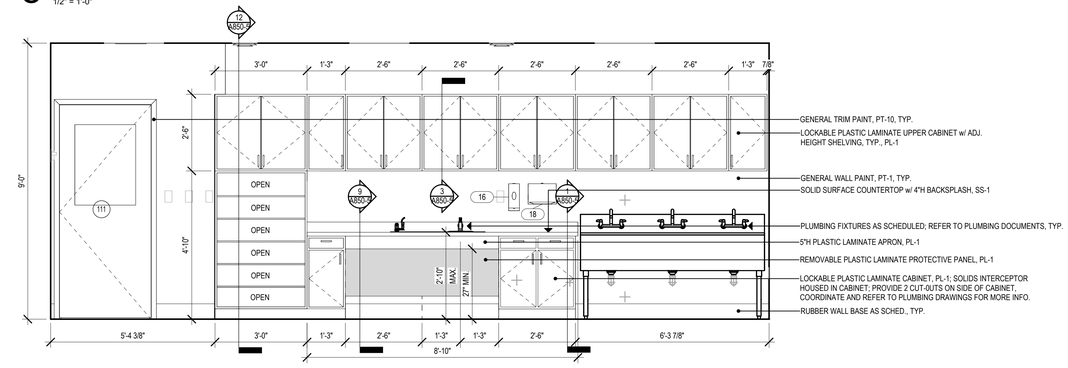
4 SCULPTURE CLASSROOM 112-5
1/2" = 1'-0"



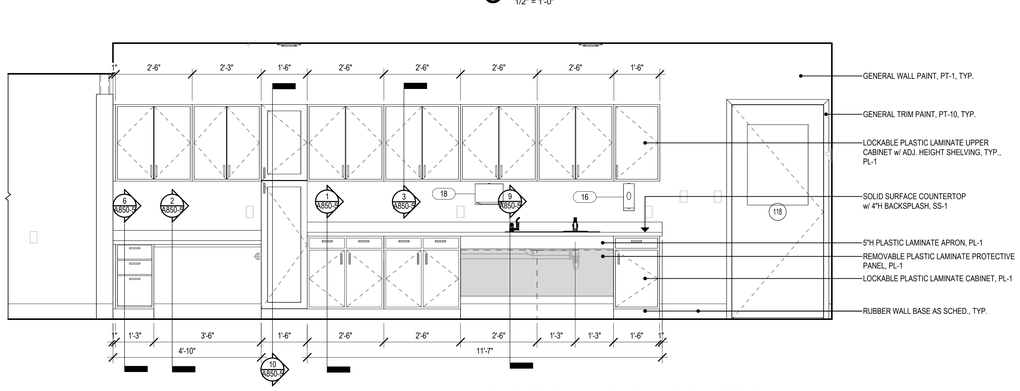
8 POTTERY/CERAMICS 111-5 - ELEV. B
1/2" = 1'-0"



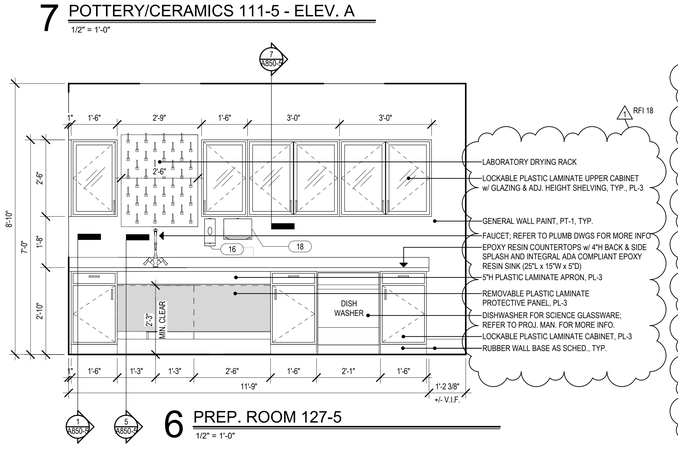
3 COMP. SCI. FOR INNOVATORS 105-5
1/2" = 1'-0"



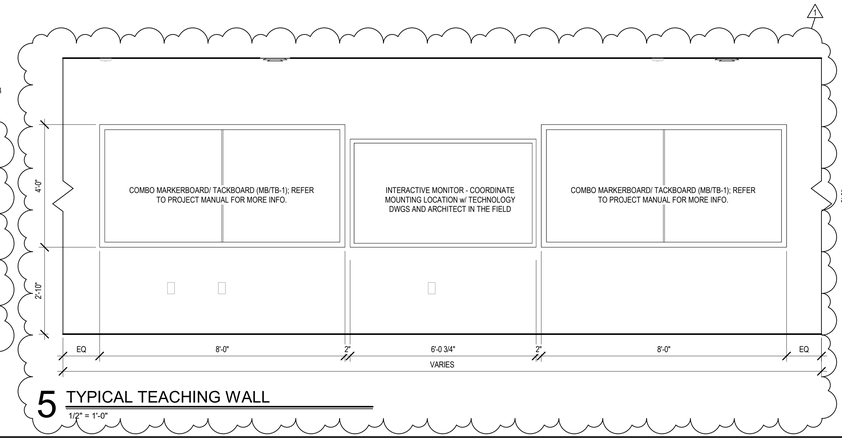
7 POTTERY/CERAMICS 111-5 - ELEV. A
1/2" = 1'-0"



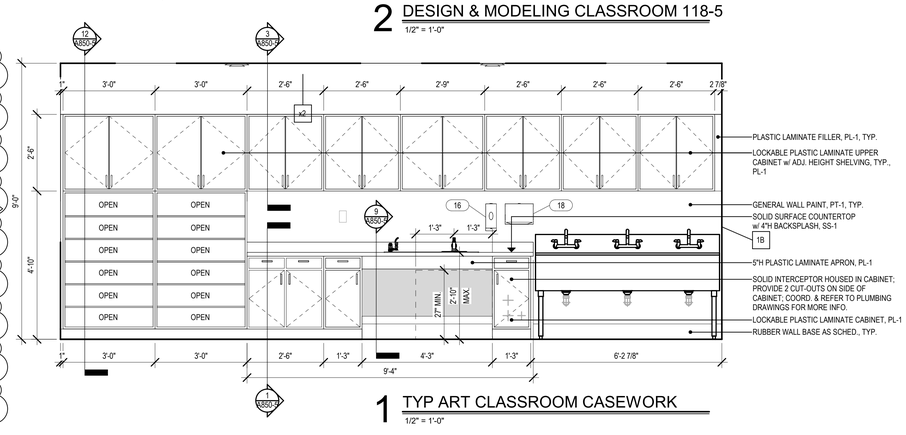
2 DESIGN & MODELING CLASSROOM 118-5
1/2" = 1'-0"



6 PREP. ROOM 127-5
1/2" = 1'-0"



5 TYPICAL TEACHING WALL
1/2" = 1'-0"



1 TYP ART CLASSROOM CASEWORK
1/2" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 5 - INTERIOR ELEVATIONS

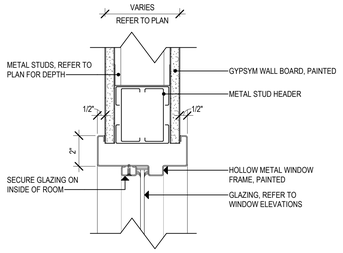
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

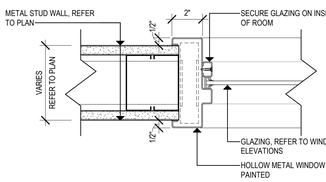
Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: JAL
Project Number: 22.050

Drawing Number: A711-5

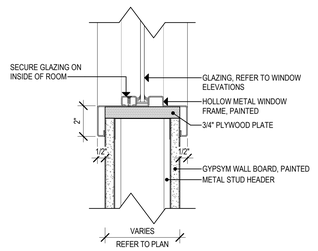
1/9/2026 11:15:05 AM



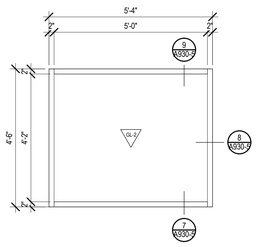
9 HOLLOW METAL WINDOW HEAD
3" = 1'-0"



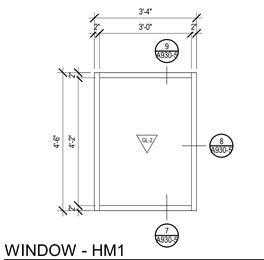
8 HOLLOW METAL WINDOW JAMB
3" = 1'-0"



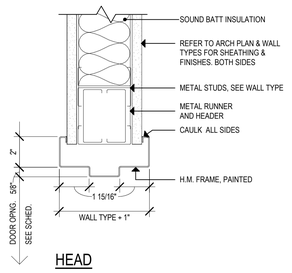
7 HOLLOW METAL WINDOW SILL
3" = 1'-0"



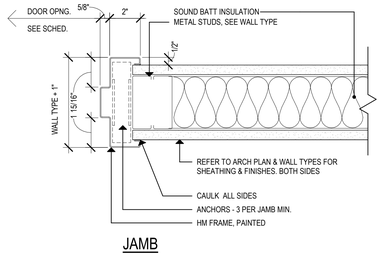
6 WINDOW - HM2
1/2" = 1'-0"



5 WINDOW - HM1
1/2" = 1'-0"

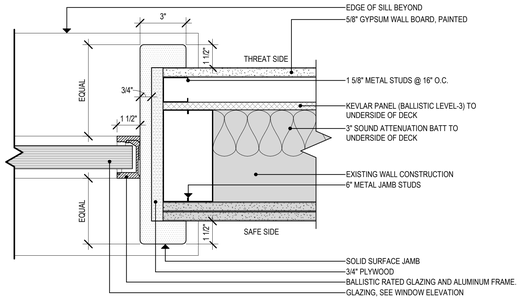


HEAD

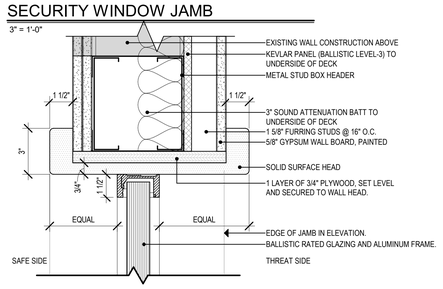


JAMB

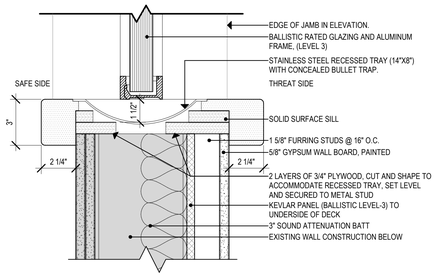
4 HM DOOR DETAILS
3" = 1'-0"



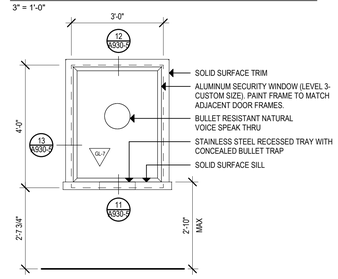
13 SECURITY WINDOW JAMB
3" = 1'-0"



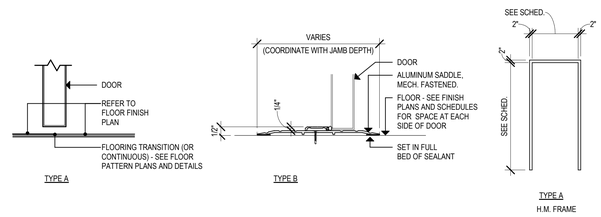
12 SECURITY WINDOW HEAD
3" = 1'-0"



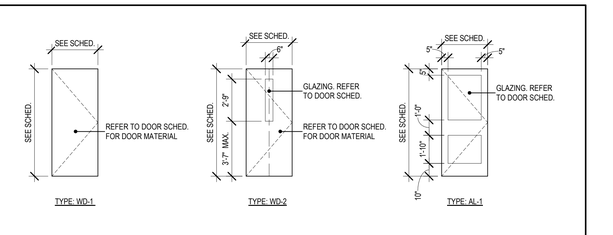
11 SECURITY WINDOW SILL
3" = 1'-0"



10 SECURITY WINDOW - SEC-1
1/2" = 1'-0"



3 DOOR SADDLE DETAILS
3" = 1'-0"



2 FRAME ELEVATIONS
1/4" = 1'-0"

1 DOOR ELEVATIONS
1/4" = 1'-0"

DOOR SCHEDULE

DOOR											FRAME						RATING				HARDWARE - REFER TO PROJECT MANUAL									
																					CODE/SECURITY					ACCESSIBILITY				
DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A930-5	SIGNAGE TEXT	REMARKS
004.1	004	006			3' - 0"	7' - 0"	EX	HM	EX		EX	HM	EX	EX	EX	EX																S1,S14	BOILER ROOM/ CO DETECTORS LOCATED INSIDE THIS SPACE	EXISTING TO REMAIN
004.2	006	004	•		6' - 0"	7' - 0"	EX	HM	EX		EX	HM	EX	EX	EX	EX																S1,S14	BOILER ROOM/ CO DETECTORS LOCATED INSIDE THIS SPACE	EXISTING TO REMAIN
100	100-5		•		5' - 11"	7' - 0"	AL-1	AL	FF	23	CW1	AL	FF	3/A931-5	4/A931-5	B	23					•	•	•		•	•	•				S6	EXIT	1, 2, 3, 4, 5, 8, 9
100.1	150-5	100-5	•		5' - 11"	7' - 0"	AL-1	AL	FF	7	SF1	AL	FF	5/A930-5	6/A930-5	A	7					•	•	•		•	•	•			•	S6	EXIT	1, 2, 3, 4, 5, 7, 9
101	101-5	150-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	MULTI-PURPOSE ROOM	6
101.1		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	MC/WD	PT	EX	EX	EX																			6
101.2		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	MC/WD	PT	EX	EX	EX																			6
101.3		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	MC/WD	PT	EX	EX	EX																			6
101.4		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	MC/WD	PT	EX	EX	EX																			6
101.5	101-5	104-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S6	EXIT	6
102		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	STORAGE	6
103		101-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	STORAGE	6
104	150-5	104-5			3' - 0"	7' - 0"	AL-1	AL	CLEAR	2	SF2	AL	FF	7/A931-5	7/A931-5	A					•	•	•	•		•	•				•	S6.1	EXIT	1, 3, 10
104.1	104-5				3' - 0"	7' - 0"	AL-1	AL	CLEAR	17	SF2	AL	FF	9/A931-5	8/A931-5	B					•	•	•		•	•				•				1, 3, 4, 10
105	151-5	105-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
105.1	151-5	105-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
106	106-5	105-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A					•		•						•	•	•	S1	STORAGE	
107	107-5	105-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A					•		•						•	•	•	S1	STORAGE	
108	151-5	108-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S1	KILN	6
109	108-5	109-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																			6
110	151-5	110-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S5	STAFF RESTROOM	6
111	151-5	111-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
112	112-5	151-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
113	151-5	113-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
114	151-5	114-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S2	WOMEN'S RESTROOM	6
115	151-5	115-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	JANITOR	6
116	151-5	116-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S3	MEN'S RESTROOM	6
117	151-5	117-5	•		6' - 0"	7' - 0"	AL-1	AL	FF	2	SF2	AL	FF	7/A930-5	7/A930-5	A					•	•	•		•	•					S6	EXIT	1, 2, 3, 10
117.1	117-5		•		6' - 0"	7' - 0"	AL-1	AL	FF	17	SF2	AL	FF	9/A931-5	8/A931-5	A					•	•	•		•	•					S6	EXIT	1, 2, 3, 4, 10
118	151-5	118-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
119	119-5	118-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A					•		•						•	•	•	S1	STORAGE	
120	151-5	120-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
121	121-5	120-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A					•		•						•	•	•	S1	STORAGE	
122	150-5	122-5			3' - 0"	7' - 0"	AL-1	AL	CLEAR	2	SF2	AL	FF	7/A931-5	7/A931-5	A					•	•	•	•		•	•					S6	EXIT	1, 3, 10
122.1	122-5				3' - 0"	7' - 0"	AL-1	AL	CLEAR	17	SF2	AL	FF	9/A931-5	8/A931-5	B					•	•	•		•	•					S6	EXIT	1, 3, 4, 10
124	124-5	152-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A					•		•						•	•	•	S1	OFFICE	
125	125-5	152-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S1	ASSISTANT PRINCIPAL	6
126	152-5	126-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
126.1	152-5	126-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
127	126-5	127-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	PREP ROOM	6
128	153-5	128-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S2	WOMEN'S RESTROOM	6
129	129-5	153-5	•		4' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	JANITOR	6
130	130-5	153-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S12	STAFF RESTROOM	6
131	153-5	131-5			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S3	MEN'S RESTROOM	6
132	132-5	153-5	•		6' - 0"	7' - 0"	WD-1/WD-2	WD	ST/CLR	2	EX	HM	PT	EX	EX	EX				•			•		•				•	•	•	S1	NURSE	SEE NOTE ON PLAN
133	142-5	133-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S5	TOILET ROOM	
134	142-5	134-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	ISOLATION ROOM	
135	142-5	135-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	ISOLATION ROOM	
136	136-5	142-5			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	COT ROOM	
137	136-5	137-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S5	TOILET ROOM	
138	142-5	138-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	EXAM ROOM	
139	142-5	139-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	EXAM ROOM	
140	142-5	140-5			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	NURSE'S OFFICE	
141	141-5	140-5			3' - 0"	7' - 0"	WD-1	WD	CLEAR		A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S1	MEDICAL STORAGE	
143	153-5	143-5	•		6' - 0"	7' - 0"	AL-1	AL	FF	2	SF2	AL	FF	7/A931-5	7/A931-5	EX					•	•	•		•	•				•	S6.1	EXIT	1, 2, 3, 10
143.1	143-5		•		6' - 0"	7' - 0"	AL-1	AL	FF	17	SF2	AL	FF	9/A931-5	8/A931-5	B					•	•	•		•	•				•	S6.1	EXIT	1, 2, 3, 4,10
144	153-5	144-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S1	SPRINKLER	6
145	152-5	145-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
146	152-5	146-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S1	PREP ROOM	6
147	152-5	147-5			3' - 0"	7' - 0"	WD-2	WD	ST/CLR	2	A	HM	PT	4/A930-5	4/A930-5	A			•				•		•				•	•	•	S7	CLASSROOM	
147.1	152-5	147-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S7	CLASSROOM	6
148	148-5	152-5	•		4' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	CLOSET	6
149	150-5	149-5			3' - 0"	7' - 0"	EX	WD	CLEAR		EX	HM	PT	EX	EX	EX																S1	SECURITY	6
150	152-5	150-5	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																			6
151	151-5	150-5	•		6' - 8"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																			6
153	153-5		•		6' - 0"	7' - 0"	AL-1	AL	FF	17	SF2	AL	FF	9/A931-5	8/A931-5	B					•	•	•		•	•				•	S6	EXIT	1, 2, 3, 4, 5, 10
S1	S1				3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX																S1	BASEMENT	6

ABBREVIATIONS

AL/ALUM	-	ALUMINUM
CLR	-	CLEAR
EX	-	EXISTING
FF	-	FACTORY FINISH
HM	-	HOLLOW METAL
INSUL	-	INSULATED
MC/WD	-	METAL CLAD EXTERIOR/ WOOD INTERIOR
PTD	-	PAINTED
SS	-	STAINLESS STEEL
STN	-	STAINED
STL	-	STEEL
TEMP	-	TEMPERED
WD	-	WOOD

GENERAL DOOR NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
2. ALL NEW KICK PLATES SHALL BE 12" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. CENTERED AT BOTTOM OF DOOR.
3. ALL GLASS IN DOORS, SIDELITES AND TRANSOMS SHALL BE TEMPERED UNLESS OTHERWISE NOTED, SEE SCHEDULE FOR SPECIFIC TYPE AND THICKNESS, SEE ALSO PROJECT MANUAL.
4. ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHERSTRIPPING ON SIDES, TOP AND BOTTOM.
5. PROVIDE CONTINUOUS HINGES AT ALL EXTERIOR DOORS; AND OTHER LOCATIONS AS NOTED.
6. FOR ALL DOORS WITH FRAME TYPE DESIGNATION "ALUM" AND/OR C.W. / S.F. SEE STOREFRONT/CURTAIN WALL ELEVATIONS FOR HEAD, JAMBS, AND GLAZING WITHIN FRAME.
7. PROVIDE APPLIED DOOR NUMBER DECAL AT ALL EXTERIOR DOORS UNLESS OTHERWISE NOTED. SEE DETAILS 5 & 6 ON A950-5
8. AT EXTERIOR DOUBLE DOORS, PROVIDE ONLY ONE PULL HANDLE AND ONE CYLINDER LOCK.
9. WHERE ALUMINUM DOUBLE DOORS WILL BE PROVIDED WITHIN EXISTING ROUGH OPENING, ACTIVE LEAF MUST BE 3'-0" WIDE. INACTIVE LEAF MAY BE NARROWER RESULTING IN AN UNEQUAL PAIR OF DOORS. FIELD VERIFY EXISTING ROUGH OPENING WHEN CURRENT DOOR IS REMOVED.
10. PROVIDE APPLIED DOOR NUMBER DECAL AT ALL EXTERIOR DOORS UNLESS OTHERWISE NOTED. SEE DETAILS 5 & 6 ON A950-5.
11. OMIT PUSH PLATE AT DOORS EQUIPPED WITH PANIC HARDWARE AND UNSECURE / EXTERIOR SIDE PULLS.
12. PROVIDE PULL HANDLE AT ACTIVE LEAF ONLY AT PAIRS OF DOORS.

SCHEDULE REMARKS (LAST COLUMN IN DOOR SCHEDULE):

1. PROVIDE PULL HARDWARE ON EXTERIOR, OMIT PUSH PLATES.
2. PROVIDE REMOVABLE AND LOCKABLE CENTER MULLION.
3. PROVIDE CONTINUOUS HINGES.
4. PROVIDE ACCESS CONTROL AND ELECTRIC HARDWARE AT THIS DOOR. COORDINATE WITH CARD READER AND REMOTE OPENER (FROM MAIN OFFICE). REFER TO TECHNOLOGY PLANS & PROJECT MANUAL FOR MORE INFORMATION.
5. PROVIDE POWER OPENER AND REMOTE PUSH PLATES (OUTSIDE AND INSIDE) WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COORDINATE OPERATION WITH SECURITY SYSTEM AND FEATURES OF OTHER ACCESS EQUIPMENT (DOOR POWER OPERATOR CANNOT FUNCTION UNLESS PERSONNEL IN THE OFFICE RELEASE THE ELECTRIC DOOR LATCH(S). DOOR LEAF TO RECEIVE THE POWER OPERATOR IS INDICATED ON FLOOR PLAN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY
6. EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.
7. DOOR ASSEMBLY AND FRAME SHALL BE BALLISTIC RATED (LEVEL-3). SEE ALSO PROJECT MANUAL
8. DOOR ASSEMBLY AND FRAME SYSTEM SHALL BE BLAST RESISTANT. SEE ALSO PROJECT MANUAL
9. COORDINATE DOOR(S) SIZE WITH CURTAIN WALL / STOREFRONT SYSTEM. SEE EXTERIOR ELEVATIONS AND CURTAIN / STOREFRONT WALL TYPES, INCLUDING BALLISTIC TYPES.
10. REFRAME ROUGH DOOR OPENING AND REPAIR WALL TO MATCH ADJACENT FINISHES TO ACCOMMODATE NEW ALUMINUM FRAME WITH NEW SINGLE OR DOUBLE DOOR CONFIGURATION (WIDTH AS SCHEDULED) AT EXISTING DOOR LOCATION.

GLAZING SCHEDULE

GL-2	CLEAR, TEMPERED
GL-7	CLEAR, BALLISTIC
GL-17	INSULATED, TINTED, TEMPERED
GL-23	INSULATED, BLAST RESISTANT, TINTED

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 5 - DOOR SCHED. & DETAILS, WINDOW ELEVATIONS & DETAILS
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MES
Project Number: 22.050
Drawing Number: A930-5

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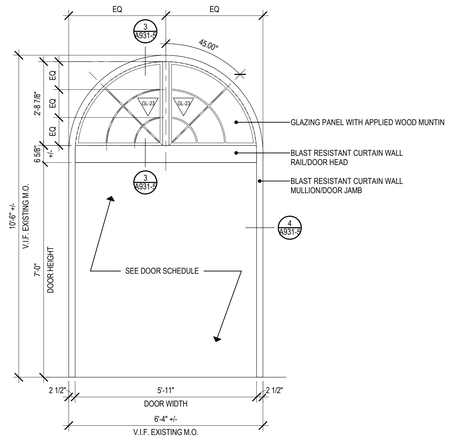
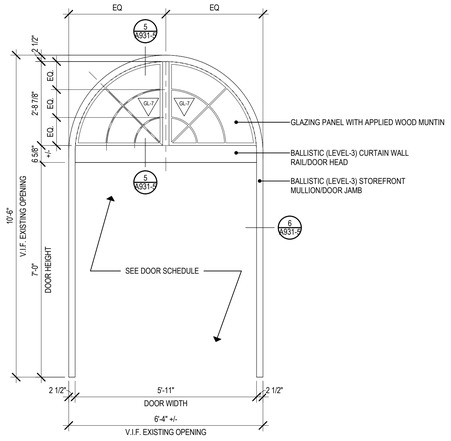


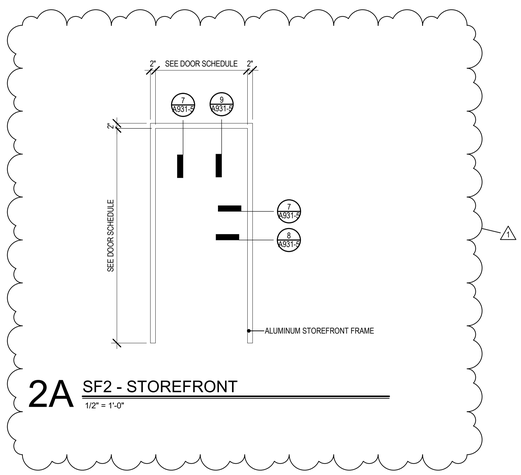
1 CW1 - BLAST RESISTANT

1/2" = 1'-0"



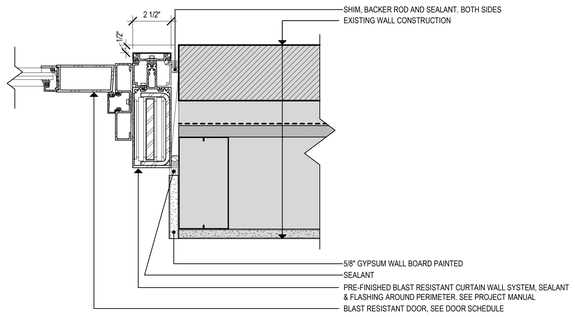
2 SF1 - BALLISTIC (LEVEL 3)

1/2" = 1'-0"



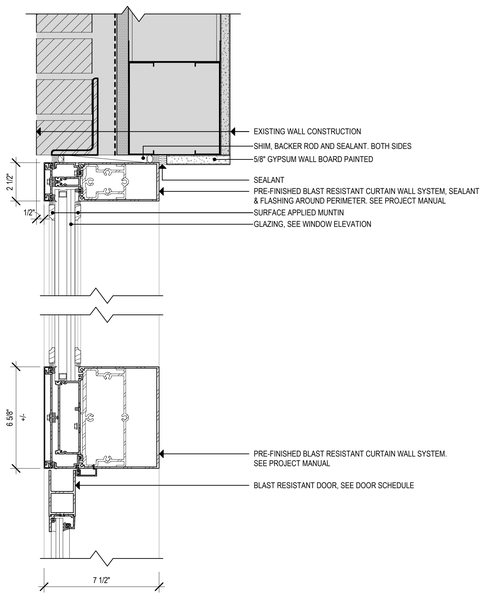
2A SF2 - STOREFRONT

1/2" = 1'-0"



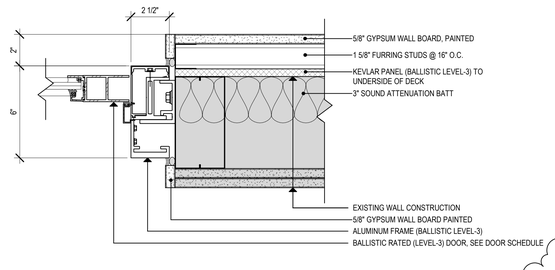
4 CW1 DOOR JAMB

3" = 1'-0"



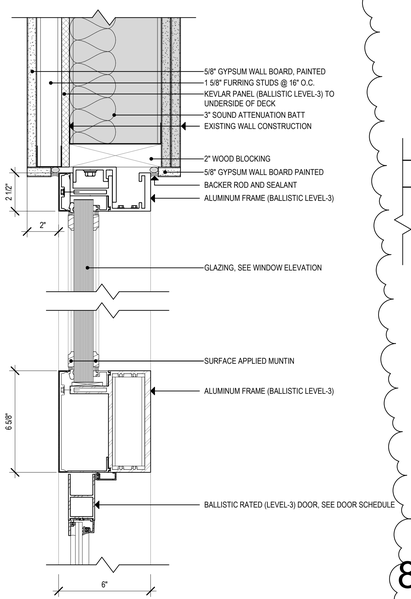
3 CW1 DOOR HEAD - TRANSOM

3" = 1'-0"



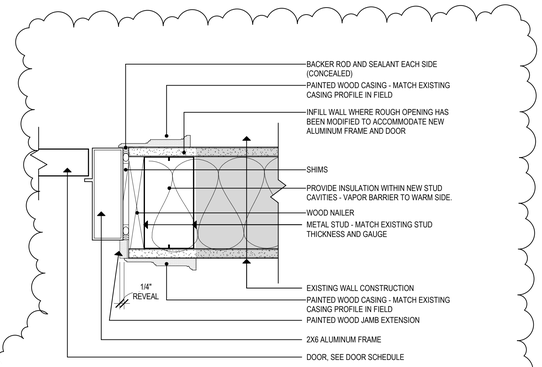
6 SF1 DOOR JAMB

3" = 1'-0"



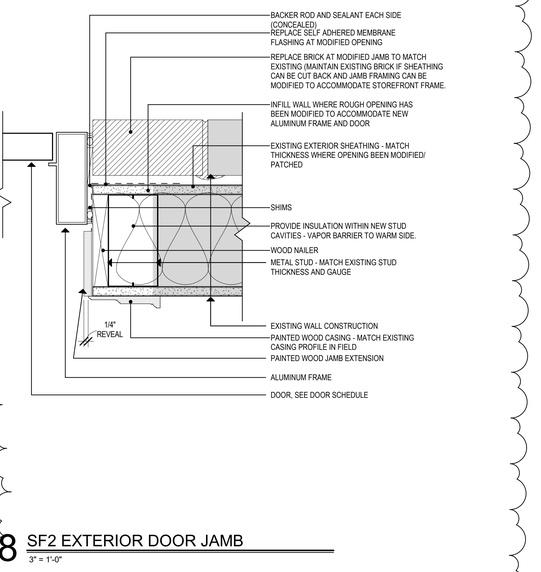
5 SF1 DOOR HEAD - TRANSOM

3" = 1'-0"



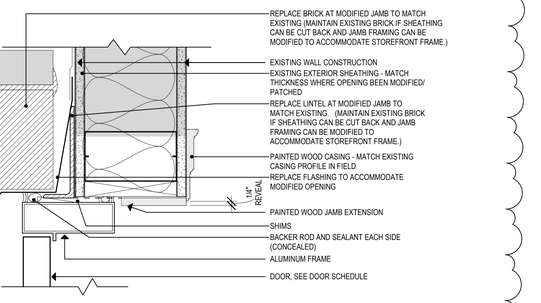
7 SF2 DOOR INTERIOR JAMB / HEAD

3" = 1'-0"



8 SF2 EXTERIOR DOOR JAMB

3" = 1'-0"



9 SF2 EXTERIOR DOOR HEAD

3" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

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BUILDING 5 - WINDOW ELEVATIONS & DETAILS

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As indicated

Drawn By:
MES

Project Number:
22.050

Drawing Number:
A931-5

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COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR: CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HS82HP			COMMMENTS
W ▶	Wall Phone Outlet	1		1			1			1	1		1				Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1					Mounting Height 18" AFF unless otherwise noted.
1V1D	1 Voice - 1 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
1V2D	1 Voice - 2 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
#V #D	Floor Box						A/R			A/R	A/R	1					Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP (H)	Wireless Access Point Ceiling Mounted									2	2			1			Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans -
AP ▶	Wireless Access Point Wall Mounted	1		1			1			2	2			1			Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
MON ▷	1 Data Outlet For Monitor				1		1			1	1						Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES:

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS AP'S = ORANGE
   D. SECURITY CAMERAS = BLACK

1

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
S	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	12" SQ., Wall Mounted Speaker. - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					.1/2" Clock Unless Otherwise Noted on Plans. 16" = 16" diameter clock - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #25LVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Speaker / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX.	1-1/2" C	CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR: CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6' PATCH CABLE	BELDEN #6924A / COMPOSIT CABLE PLENUM or Equal 18-6C SHLD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM			COMMENTS
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1										1								
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1					2								DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1					1	A/R												REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD". REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71														1						SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1					1			1					INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR INTERCOM.
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1						1						1					INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICM'S, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1			1									1						
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1			1											1				
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1			1											1				
	DURESS BUTTON	SENTROL UL RATED #3050																2				PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300														1						MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED.CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1				1											2				MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1				1										1					MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1				1					1					1					MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1							1						
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1		1										1					COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1		1										1					
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1			1											1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS

- 1 / T301 — DETAIL NUMBER / DETAIL/PLAN IDENTIFIER / SHEET NUMBER
- 1 — DRAWINGS KEYNOTE NOTE TAG
- 1 — EQUIPMENT NOTE TAG
- 1 / T301 — DETAIL NUMBER / SECTION IDENTIFIER / SHEET NUMBER
- CONDUIT SLEEVE - THROUGH CEILING TO ABOVE FLOOR
- CONDUIT SLEEVES - THROUGH FLOOR TO BELOW FLOOR
- 1 / T301 — DETAIL NUMBER / ELEVATION IDENTIFIER / SHEET NUMBER
- CONDUIT SLEEVES - HORIZONTAL

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

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477 Main Street, Suite 210B | Monroe CT 06468
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title:
TECH - AV - SEC - BUILDING #5
KEY LEGEND & GENERAL NOTES

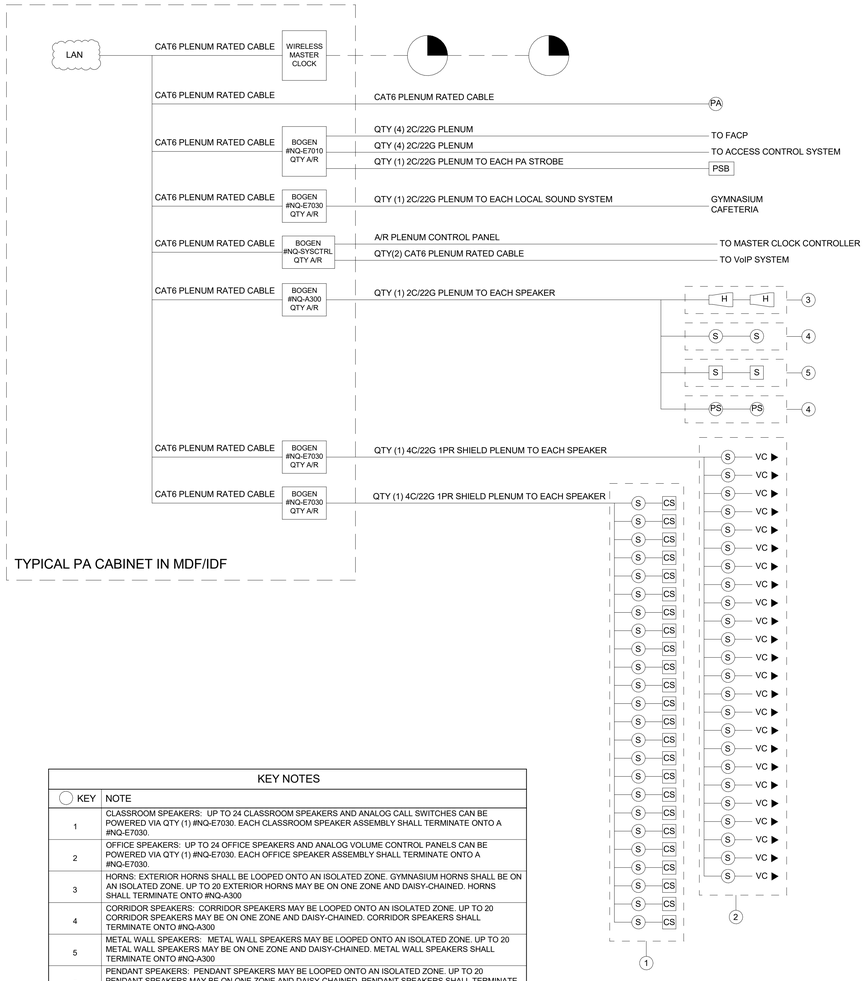
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number: T001-5

1/8/2026 8:00:10 AM

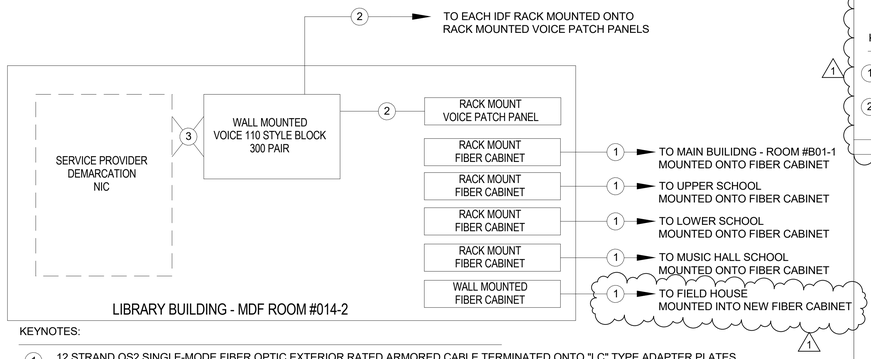


KEY NOTES	
KEY	NOTE
1	CLASSROOM SPEAKERS: UP TO 24 CLASSROOM SPEAKERS AND ANALOG CALL SWITCHES CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH CLASSROOM SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
2	OFFICE SPEAKERS: UP TO 24 OFFICE SPEAKERS AND ANALOG VOLUME CONTROL PANELS CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH OFFICE SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
3	HORNS: EXTERIOR HORNS SHALL BE LOOPED ONTO AN ISOLATED ZONE. GYMNASIUM HORNS SHALL BE ON AN ISOLATED ZONE. UP TO 20 EXTERIOR HORNS MAY BE ON ONE ZONE AND DAISY-CHAINED. HORNS SHALL TERMINATE ONTO #NQ-A300
4	CORRIDOR SPEAKERS: CORRIDOR SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 CORRIDOR SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. CORRIDOR SPEAKERS SHALL TERMINATE ONTO #NQ-A300
5	METAL WALL SPEAKERS: METAL WALL SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 METAL WALL SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. METAL WALL SPEAKERS SHALL TERMINATE ONTO #NQ-A300
6	PENDANT SPEAKERS: PENDANT SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 PENDANT SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. PENDANT SPEAKERS SHALL TERMINATE ONTO #NQ-A300

GENERAL NOTES

1. ALL PUBLIC ADDRESS CABLING FOR DEVICES SHALL BE CABLED TO THE DATA ROOMS AS INDICATED ON THE CABLE DECLINATIONS FOR LOW VOLTAGE CABLING.
2. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
3. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION, SEQUENCE OF OPERATION AND OF WIRING.
4. FOR MICROPHONE CABLE RUNS, MAINTAIN A CLEARANCE OF A MINIMUM OF 12" FROM CONDUIT AND CABLES USED FOR ELECTRICAL POWER DISTRIBUTION. WHERE THIS IS NOT FEASIBLE, CROSS HIGHER VOLTAGE LINES PERPENDICULARLY.
5. ALL PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING MATERIAL.
6. SPEAKER CONDUCTORS INSTALLED IN ROOMS OF INSTRUCTION AND OFFICES SHALL BE ONE CONTINUOUS HOME RUN TO THE CENTRAL CONTROL RACK NO SPLICES SHALL BE ALLOWED.
7. THIS RISER DIAGRAM IS SHOWN AS REFERENCE TO INDICATE LOOPING AND ZONING REQUIREMENTS, ACTUAL QUANTITIES MUST BE CONFIRMED BY THE BIDDING CONTRACTOR AND BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS, T-SERIES.
8. PA SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 2010 OR THE MOST CURRENT FIRE CODE STANDARD ADOPTED BY THE STATE OF CONNECTICUT.
9. THE FIRE ALARM CONNECTION WITH THE PA SYSTEM SHALL BE COORDINATED WITH OWNER, FIRE ALARM INSTALLER, SECURITY CONSULTANT, AND PA DESIGNER.
10. PRIORITY OVERRIDE LOADS IN EACH INTERACTIVE DISPLAY LOCATION MUST BE CALCULATED INTO THE PUBLIC ADDRESS AMPLIFIER LOADS.
11. A 1 WATT REPEATER SHALL BE INCLUDED IN EACH DATA CLOSET FOR THE WIRELESS CLOCK SYSTEM.
12. ALL EXTERIOR HORNS SHALL BE ON AN ISOLATED ZONE AND CAPABLE OF BEING PROGRAMMED TO ONLY ENGAGE DURING BUS OR EMERGENCY ANNOUNCEMENTS.
13. ALL LAN CONNECTIONS SHOWN ON THE TYPICAL WIRING DIAGRAM SHALL TERMINATE ONTO THE REAR OF 19" CATEGORY 6 RATED PATCH PANELS MOUNTED IN THE TWO/FOUR POST RACKS AS SHOWN ON THE MDF/IDF TECHNOLOGY DETAILS.
14. REFER TO PUBLIC ADDRESS SPECIFICATION FOR ALL REQUIRED LICENSES.
15. NETWORK ELECTRONICS (NETWORK SWITCHES) WILL BE OWNER FURNISHED IN A LATER PHASE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THIS PROJECT TO ADVISE THE OWNER ON IP ADDRESSING, CREATION OF VLANS, AND TO FURNISH THE CONFIGURATION REQUIRED FOR A FULLY FUNCTIONAL PUBLIC ADDRESS SYSTEM ON THE OWNER'S LAN. THE CONTRACTOR SHALL INCLUDE WORK HOURS REQUIRED TO CONFIGURE THIS SYSTEM WITH THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION PROJECT WHEN THE SWITCHES ARE FURNISHED AND INSTALLED.

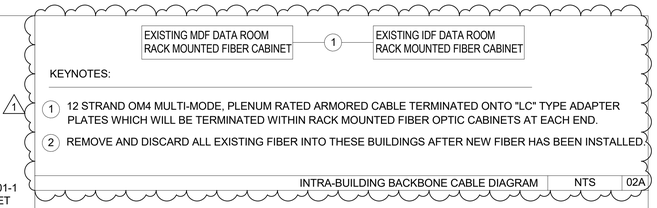
PUBLIC ADDRESS SYSTEM | NTS | 01



KEYNOTES:

1. 12 STRAND OS2 SINGLE-MODE FIBER OPTIC EXTERIOR RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FIBER CABLING SHALL NOT EXTEND MORE THAN 50FT INTO ANY BUILDING WITHOUT BEING INSTALLED WITHIN CONDUIT OR TRANSITIONED TO INDOOR, PLENUM RATED CABLING.
2. 25 PAIR CATEGORY 3 RATED PLENUM CABLE FROM 300 PAIR 110 STYLE WALL MOUNTED BLOCK AT THE SERVICE PROVIDERS DEMARC AND TERMINATED ONTO 110 STYLE 24 PORT, RACK MOUNTED PATCH PANELS IN EQUIP. RM B01-1 & EACH OTHER DATA ROOM ON RACK MOUNTED PANELS, TERMINATE EACH PAIR OF THE COPPER RISER CABLES ON THE BLUE PAIR (PR 1) OF EACH PORT OF THE PATCH PANELS. COIL THE 25TH PAIR (VIOLET/SLATE) AT THE PATCH PANEL END OF EACH CABLE FOR REPAIR OR FUTURE USE
3. CROSS CONNECT A MINIMUM OF 300 PAIRS BETWEEN THE SERVICE PROVIDERS DEMARCATION BLOCK AND THE 110 STYLE BLOCKS.
4. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED.

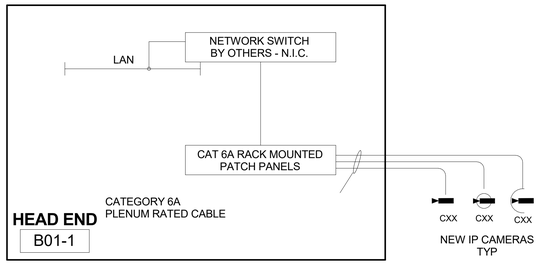
INTERBUILDING BACKBONE CABLE DIAGRAM | NTS | 02



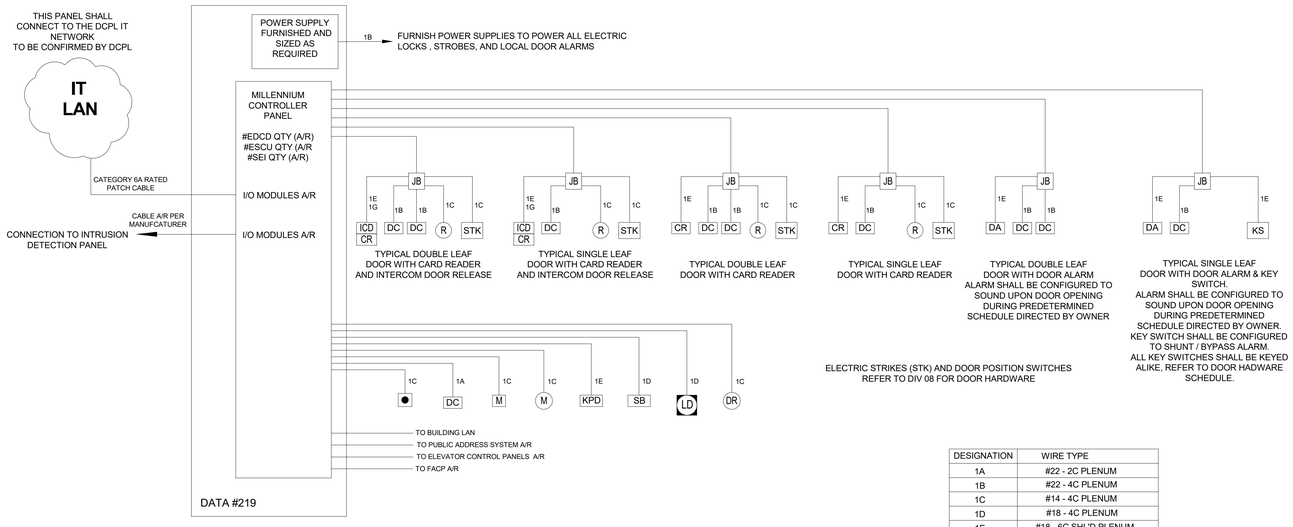
KEYNOTES:

1. 12 STRAND OM4 MULTI-MODE, PLENUM RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH END.
2. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED.

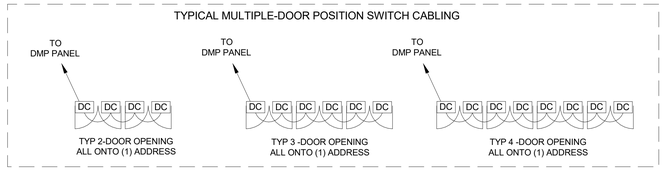
INTRA-BUILDING BACKBONE CABLE DIAGRAM | NTS | 02A



VIDEO SURVEILLANCE TOPOLOGY DIAGRAM | NTS | 03



DESIGNATION	WIRE TYPE
1A	#22 - 2C PLENUM
1B	#22 - 4C PLENUM
1C	#14 - 4C PLENUM
1D	#18 - 4C PLENUM
1E	#18 - 6C SHL'D PLENUM
1G	CAT 6 PLENUM CABLE
1H	CAT 6 PATCH CABLE
1J	#18-2C SOLID CONDUCTOR
1K	#22-6C PLENUM
1L	#18 - 2C INDOOR/OUTDOOR
1M	#14 - 2C INDOOR/OUTDOOR



NOTES:

1. QTY OF ENHANCED DOOR CONTROLLERS AND ENHANCED SITE CONTROLLERS SHALL BE PER CARD READER QUANTITIES ON PLANS. ALL REQUIRED CONTROL CABLING FROM THE DATA ROOMS TO EACH ACCESS CONTROL DEVICE IS REQUIRED AS PART OF HIS BID MANUAL.
2. QUANTITY OF ACCESS CONTROL MODULES AS REQUIRED IN EACH DATA ROOM.
3. INTERCOM DOOR RELEASE SYSTEM SHALL RELEASE THE DOOR FROM THE DMP PANEL.
4. STROBES SHALL BE ENGAGED UPON ACTIVATION OF LOCKDOWN BUTTON.
5. DOORS WITH LOCAL DOOR ALARMS SHALL SOUND WHEN DOORS ARE OPENED.
6. DOORS WITH LOCAL DOOR ALARMS AND KEY SWITCHES SHALL BE CONFIGURED FOR THE KEY SWITCH TO OVERRIDE THE LOCAL ALARM WHEN ENGAGED. ALL KEY SWITCHES SHALL BE KEYED ALIKE.
7. DOORS WITH LOCAL DOOR ALARMS AND CARD READERS SHALL BE CONFIGURED SO CARD READER BYPASSES LOCAL ALARM.
8. ALL ZONE EXPANDERS SHALL BE LOCATED WITHIN THE DATA ROOMS.
9. ALL ZONE EXPANDERS MUST CONNECT VIA A #22-6C PLENUM RATED CABLE. THIS INCLUDES CONNECTIVITY OF ZONE EXPANDERS BETWEEN ALL DATA ROOMS AND THE SERVER ROOM.
10. ALL ENCLOSURES, CABLING, TERMINATIONS, CONFIGURATION AND FINAL TESTING IS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
11. THE ACCESS CONTROLLED DOOR SHALL INTEGRATE WITH THE DISTRICT ACCESS CONTROL SERVER.
12. DMP PANEL SHALL INTEGRATE WITH AVIGILON VIDEO SURVEILLANCE SYSTEM TO MONITOR DOOR PROPPING IN REAL TIME OVER THE AVIGILON MAP FEATURE.

EXPANSION MODULES CABLE DISTANCES BASED UPON CURRENT DRAW AND CABLE GAUGE (IF USING SHIELDED CABLE, DIVIDE THESE VALUES IN HALF)

TOTAL LOAD (MA @ 11.5 VDC)	22 AWG	20 AWG	18 AWG	16 AWG
1-8 MA	12,000 FEET	12,000 FEET	12,000 FEET	12,000 FEET
9-16 MA	7,270 FEET	11,710 FEET	12,000 FEET	12,000 FEET
17-24 MA	4,850 FEET	7,810 FEET	12,000 FEET	12,000 FEET
25-32 MA	3,640 FEET	5,850 FEET	9,260 FEET	12,000 FEET
33-40 MA	2,910 FEET	4,680 FEET	7,410 FEET	11,760 FEET
41-48 MA	2,420 FEET	3,900 FEET	6,170 FEET	9,800 FEET
49-56 MA	2,080 FEET	3,350 FEET	5,290 FEET	8,400 FEET
57-64 MA	1,820 FEET	2,930 FEET	4,630 FEET	7,350 FEET
65-72 MA	1,620 FEET	2,600 FEET	4,110 FEET	6,540 FEET
73-80 MA	1,450 FEET	2,340 FEET	3,700 FEET	5,880 FEET
81-88 MA	1,320 FEET	2,130 FEET	3,370 FEET	5,350 FEET
89-96 MA	1,210 FEET	1,950 FEET	3,090 FEET	4,900 FEET
97-104 MA	1,120 FEET	1,800 FEET	2,850 FEET	4,520 FEET
105-112 MA	1,040 FEET	1,670 FEET	2,650 FEET	4,200 FEET
113-120 MA	970 FEET	1,560 FEET	2,470 FEET	3,920 FEET
121-128 MA	910 FEET	1,460 FEET	2,310 FEET	3,680 FEET

TYPICAL ACCESS CONTROL WIRING DIAGRAM | NTS | 04

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

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477 Main Street, Suite 210B | Monroe CT 06468
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311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

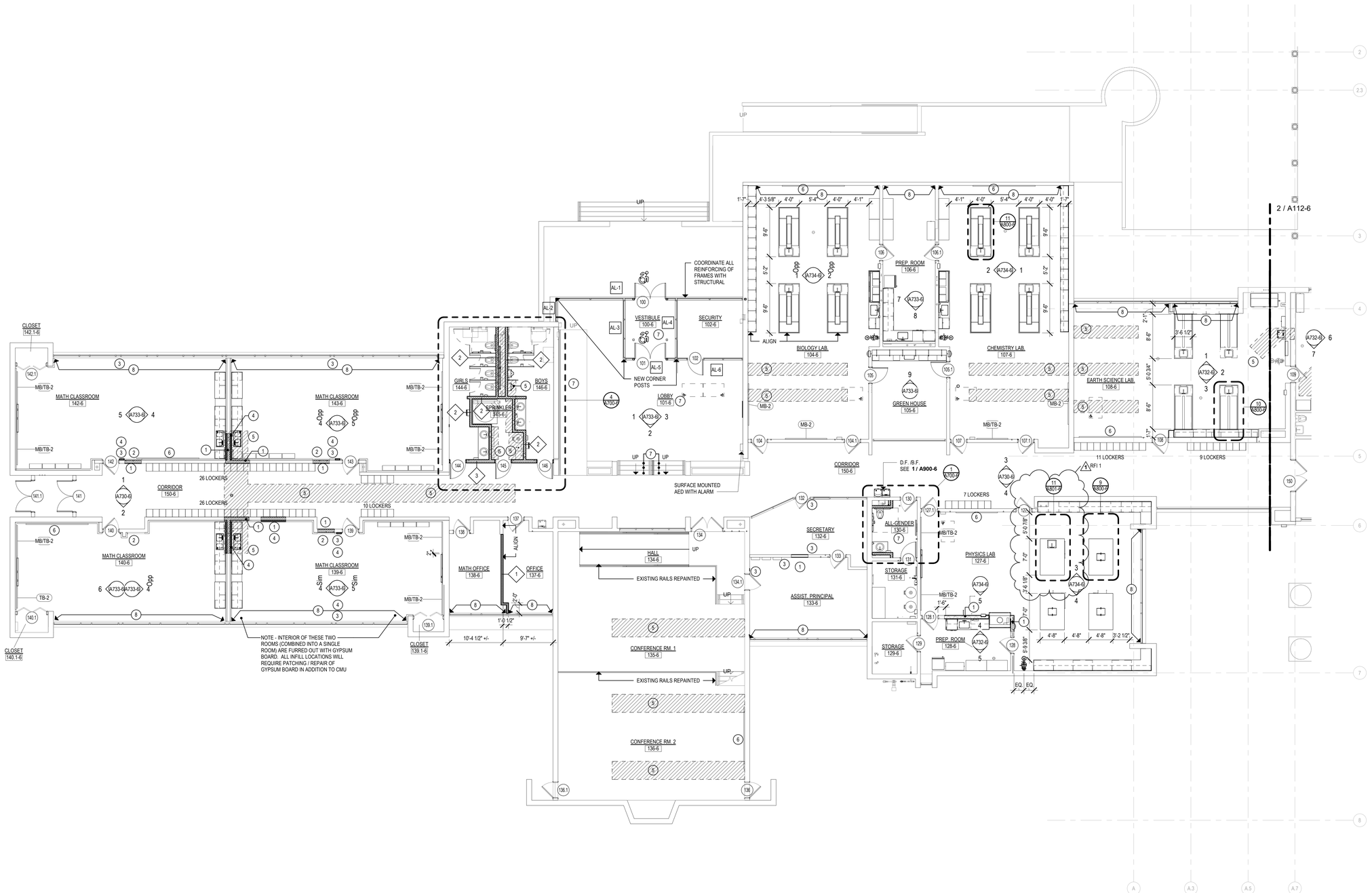
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - SEC - BUILDING #5 WIRING DIAGRAMS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number: T400-5

1/7/2026 1:46:55 PM



SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 / A — DOOR NUMBER
- 1i — WINDOW TYPE
- Room name / 101 — ROOM NAME / ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
- 2 / A101 — EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — BUILDING SECTION NUMBER / SHEET NUMBER
- 2 / A101 — WALL SECTION NUMBER / SHEET NUMBER
- A.E.D. — AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- H.D.F. — HANDICAPPED DRINKING FOUNTAIN
- R.B.F. — RECESSED BOTTLE FILLER
- D.F. / B.F. — HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER SEE DETAIL **1 / A900-6**

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
8. CONTRACTOR SHALL PATCH / REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
9. COORDINATE ALL FIRE RATED / SMOKE RATED WALL / FLOOR PENETRATIONS WITH CODE PLANS AND MEP & FP.
10. FIELD COORDINATE ALL FINAL MEP CHASE / PENETRATION LOCATIONS WITH ALL STRUCTURAL MEMBERS AND OTHER OPENINGS SUCH AS DOORS AND WINDOWS. PROVIDE SEALANT AT ALL PENETRATIONS TO MINIMIZE SOUND TRANSFER. ALSO REFER TO CODE PLANS FOR COORDINATION OF RATED SEALANTS AT ALL RATED WALLS / FLOORS/ CEILINGS.

CONSTRUCTION NOTES - PLAN

1	INFILL OPENING TO MATCH EXISTING PAINTED CMU
2	INFILL OPENING TO MATCH EXISTING GYPSUM BOARD AND METAL STUD WALL
3	PATCH AND REPAIR ALL LOCATIONS WHERE DEMOLISHED WALLS PREVIOUSLY INTERSECTED EXISTING CMU. MATCH EXISTING MATERIALS AND JOINTS PATTERNS IN KIND. PREPARE FOR FINISHES AS SCHEDULED / SHOWN.
4	PATCH AND REPAIR EXISTING GYPSUM BOARD WALL WHERE PREVIOUS INTERSECTING PARTITION HAS BEEN REMOVED
5	SLAB CUT AND TRENCH INFILL - COORDINATE WITH MEP - APPROXIMATE EXTENT SHOWN WITH HATCH. ALL SLAB INFILL LOCATIONS MUST MEET FLOORING MANUFACTURER REQUIREMENTS FOR FLOOR PREPARATION.
6	INSTALL SLIDING MARKER BOARD FROM SALVAGE.
7	INFILL WITH FLOOR LEVELER TO BE LEVEL AND SMOOTH TO ACCEPT NEW SCHEDULED FINISH.
8	INSTALL SLIDING MARKER BOARD FROM SALVAGE.

1 FIRST FLOOR PLAN - PART 'A'
1/8" = 1'-0"

KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

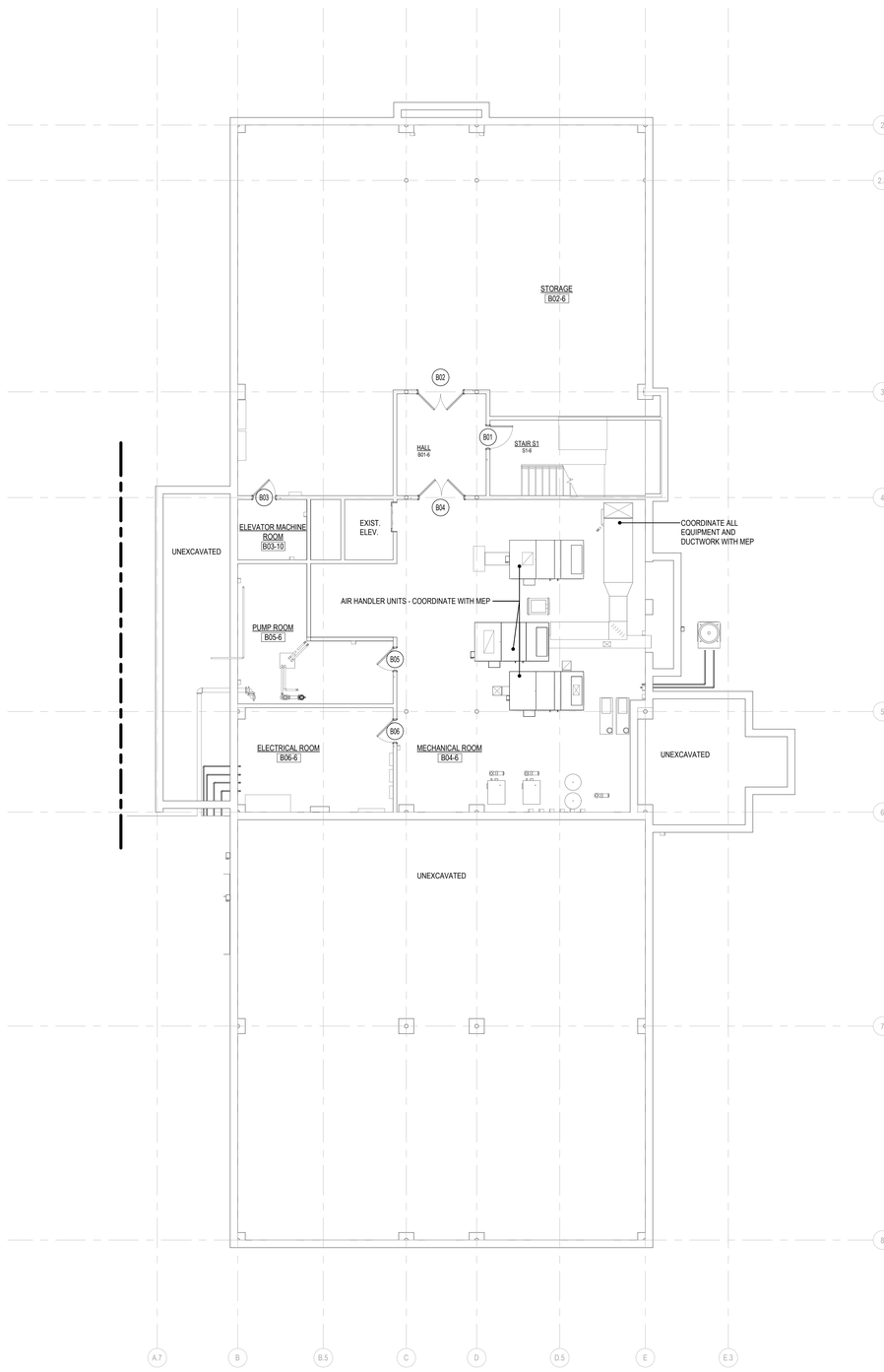
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 6 - MAIN LEVEL PLAN - PART 'A'
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

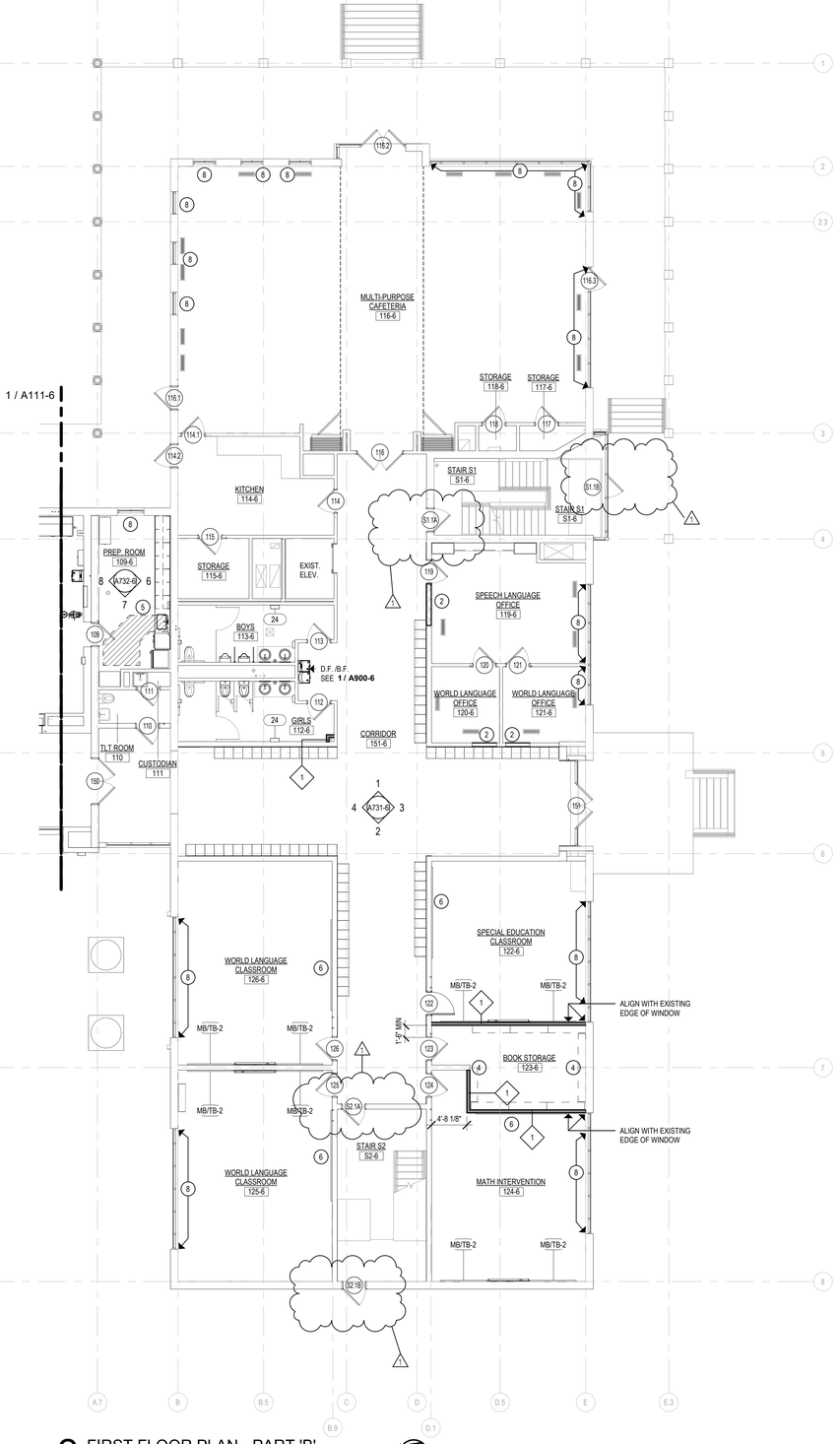
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050

Drawing Number: A111-6

1/9/2026 2:15:52 PM



1 BASEMENT LEVEL PLAN - PART 'B'
1/8" = 1'-0"



2 FIRST FLOOR PLAN - PART 'B'
1/8" = 1'-0"

SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 / A - DOOR NUMBER
- 1i - WINDOW TYPE
- Room name / 101 - ROOM NAME / ROOM NUMBER
- E3.0 - PARTITION TYPE
- X - CONSTRUCTION NOTE
- 2 / A101 - EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 - INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 - BUILDING SECTION NUMBER / SHEET NUMBER
- 2 / A101 - WALL SECTION NUMBER / SHEET NUMBER
- A.E.D. - AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
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- R.B.F. - RECESSED BOTTLE FILLER
- D.F. / B.F. - HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER SEE DETAIL **1 / A900-6**

GENERAL NOTES

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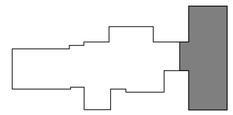
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
8. CONTRACTOR SHALL PATCH / REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
9. COORDINATE ALL FIRE RATED / SMOKE RATED WALL / FLOOR PENETRATIONS WITH CODE PLANS AND MEP & FP.
10. FIELD COORDINATE ALL FINAL MEP CHASE / PENETRATION LOCATIONS WITH ALL STRUCTURAL MEMBERS AND OTHER OPENINGS SUCH AS DOORS AND WINDOWS. PROVIDE SEALANT AT ALL PENETRATIONS TO MINIMIZE SOUND TRANSFER. ALSO REFER TO CODE PLANS FOR COORDINATION OF RATED SEALANTS AT ALL RATED WALLS / FLOORS/ CEILINGS.

CONSTRUCTION NOTES - PLAN

1	INFILL OPENING TO MATCH EXISTING PAINTED CMU
2	INFILL OPENING TO MATCH EXISTING GYPSUM BOARD AND METAL STUD WALL
3	PATCH AND REPAIR ALL LOCATIONS WHERE DEMOLISHED WALLS PREVIOUSLY INTERSECTED EXISTING CMU. MATCH EXISTING MATERIALS AND JOINTS PATTERNS IN KIND. PREPARE FOR FINISHES AS SCHEDULED / SHOWN.
4	PATCH AND REPAIR EXISTING GYPSUM BOARD WALL WHERE PREVIOUS INTERSECTING PARTITION HAS BEEN REMOVED
5	SLAB CUT AND TRENCH INFILL - COORDINATE WITH MEP - APPROXIMATE EXTENT SHOWN WITH HATCH. ALL SLAB INFILL LOCATIONS MUST MEET FLOORING MANUFACTURER REQUIREMENTS FOR FLOOR PREPARATION.
6	INSTALL SLIDING MARKER BOARD FROM SALVAGE.
7	INFILL WITH FLOOR LEVELER TO BE LEVEL AND SMOOTH TO ACCEPT NEW SCHEDULED FINISH.
8	INSTALL SLIDING MARKER BOARD FROM SALVAGE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

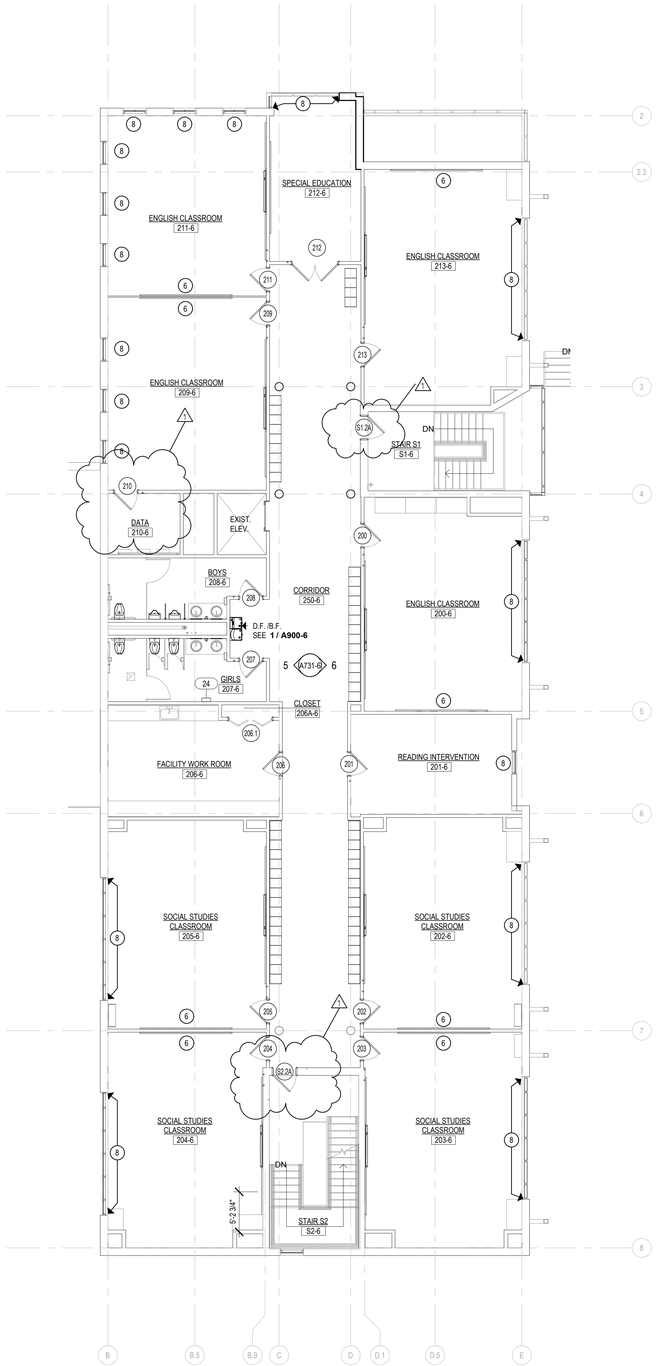
SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 6 - BASEMENT AND MAIN LEVEL FLOOR PLAN - PART 'B'
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050
Drawing Number: A112-6

1/6/2026 11:44:14 AM



1 SECOND FLOOR PLAN - PART 'B'

1/8" = 1'-0"

SYMBOL LEGEND

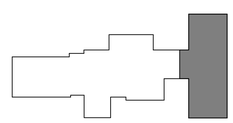
- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- 101 / A — DOOR NUMBER
- 1i — WINDOW TYPE
- Room name / 101 — ROOM NAME / ROOM NUMBER
- E3.0 — PARTITION TYPE
- X — CONSTRUCTION NOTE
- 2 / A101 — EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 / A101 — BUILDING SECTION NUMBER / SHEET NUMBER
- 2 / A101 — WALL SECTION NUMBER / SHEET NUMBER
- A.E.D. — AUTOMATED EXTERNAL DEFIBRILLATOR (SEMI-RECESSED CABINET)
- F.E.C. — FIRE EXTINGUISHER CABINET
- FD — FLOOR DRAIN - SLOPE TO DRAIN
- H.D.F. — HANDICAPPED DRINKING FOUNTAIN
- R.B.F. — RECESSED BOTTLE FILLER
- D.F. / B.F. — HIGH/LOW DRINKING FOUNTAIN / BOTTLE FILLER SEE DETAIL **1 / A900-6**

GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. PATCH TO MATCH ALL EXISTING WALLS AND CEILINGS TO REMAIN AFFECTED BY NEW WORK.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
5. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
6. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
7. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.
8. CONTRACTOR SHALL PATCH / REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
9. COORDINATE ALL FIRE RATED / SMOKE RATED WALL / FLOOR PENETRATIONS WITH CODE PLANS AND MEP & FP.
10. FIELD COORDINATE ALL FINAL MEP CHASE / PENETRATION LOCATIONS WITH ALL STRUCTURAL MEMBERS AND OTHER OPENINGS SUCH AS DOORS AND WINDOWS. PROVIDE SEALANT AT ALL PENETRATIONS TO MINIMIZE SOUND TRANSFER. ALSO REFER TO CODE PLANS FOR COORDINATION OF RATED SEALANTS AT ALL RATED WALLS / FLOORS/ CEILINGS.

CONSTRUCTION NOTES - PLAN

1	INFILL OPENING TO MATCH EXISTING PAINTED CMU
2	INFILL OPENING TO MATCH EXISTING GYPSUM BOARD AND METAL STUD WALL
3	PATCH AND REPAIR ALL LOCATIONS WHERE DEMOLISHED WALLS PREVIOUSLY INTERSECTED EXISTING CMU. MATCH EXISTING MATERIALS AND JOINTS PATTERNS IN KIND. PREPARE FOR FINISHES AS SCHEDULED / SHOWN.
4	PATCH AND REPAIR EXISTING GYPSUM BOARD WALL WHERE PREVIOUS INTERSECTING PARTITION HAS BEEN REMOVED
5	SLAB CUT AND TRENCH INFILL - COORDINATE WITH MEP - APPROXIMATE EXTENT SHOWN WITH HATCH. ALL SLAB INFILL LOCATIONS MUST MEET FLOORING MANUFACTURER REQUIREMENTS FOR FLOOR PREPARATION.
6	INSTALL SLIDING MARKER BOARD FROM SALVAGE.
7	INFILL WITH FLOOR LEVELER TO BE LEVEL AND SMOOTH TO ACCEPT NEW SCHEDULED FINISH.
8	INSTALL SLIDING MARKER BOARD FROM SALVAGE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

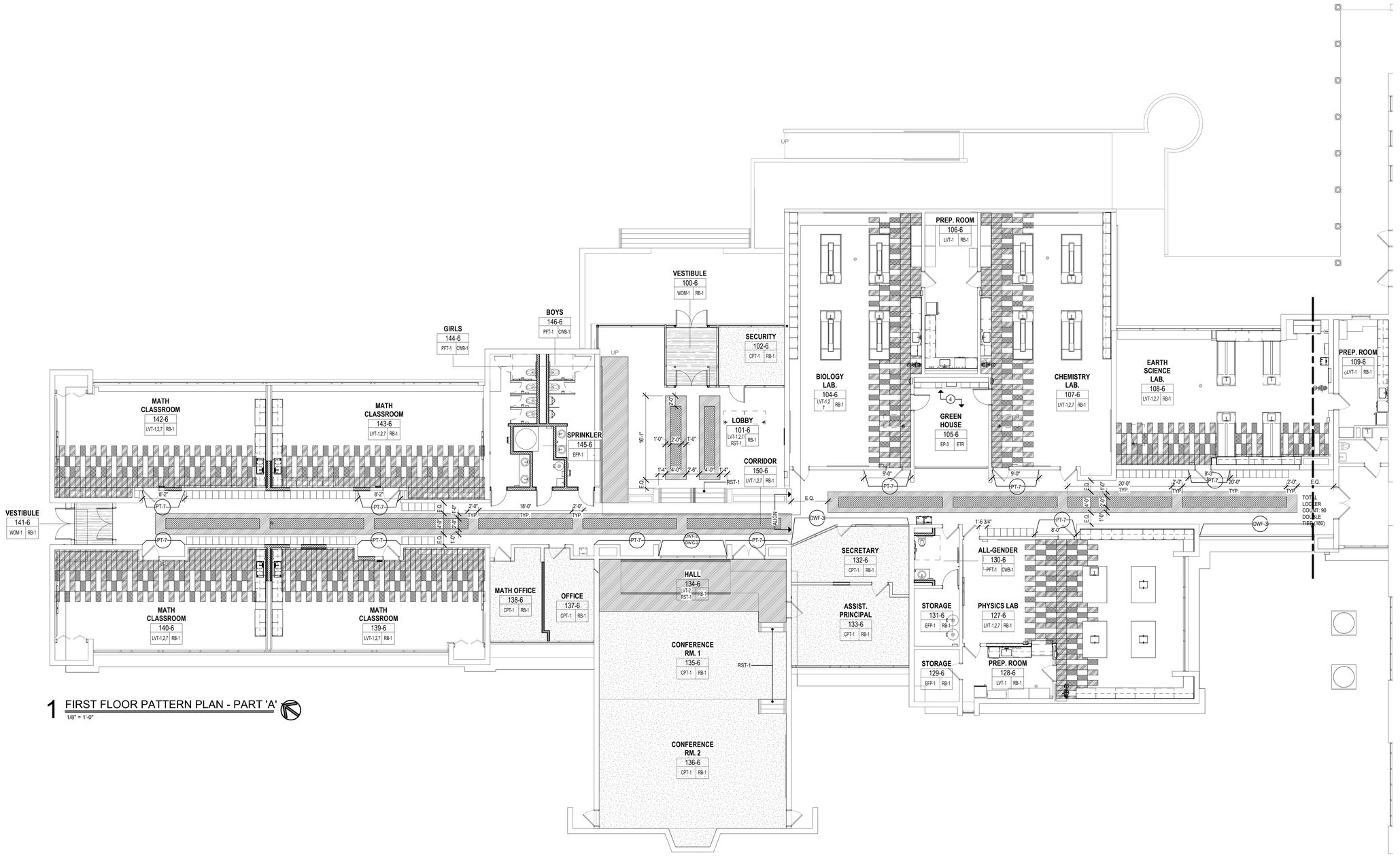
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 6 - SECOND FLOOR PLAN
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050

Drawing Number: A113-6

10/20/26 11:44:15 AM



1 FIRST FLOOR PATTERN PLAN - PART 'A'
1/8" = 1'-0"

FLOOR FINISH LEGEND

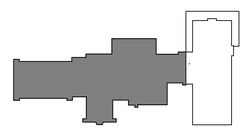
- CPT-1
- EFP-1
- PFT-1
- LVT-1
- LVT-2
- LVT-7
- LVT-11
- RST-1
- WOM-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH OR TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM. (1) RFI 8
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN; TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES (X)

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER.
2. PROFESSIONALLY CLEAN EXISTING FLOOR AND WALL TILE. PROVIDE A CLEAR SURFACE GLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING GROUT AS NEEDED.
3. SAND AND REFINISH WOOD FLOORING; CLEAR COAT FINISH.
4. PROFESSIONALLY CLEAN EXISTING FLOOR TILE. PROVIDE A CLEAR SURFACE GLAZE PROTECTIVE COATING. PATCH AND REPAIR MISSING GROUT AS NEEDED.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

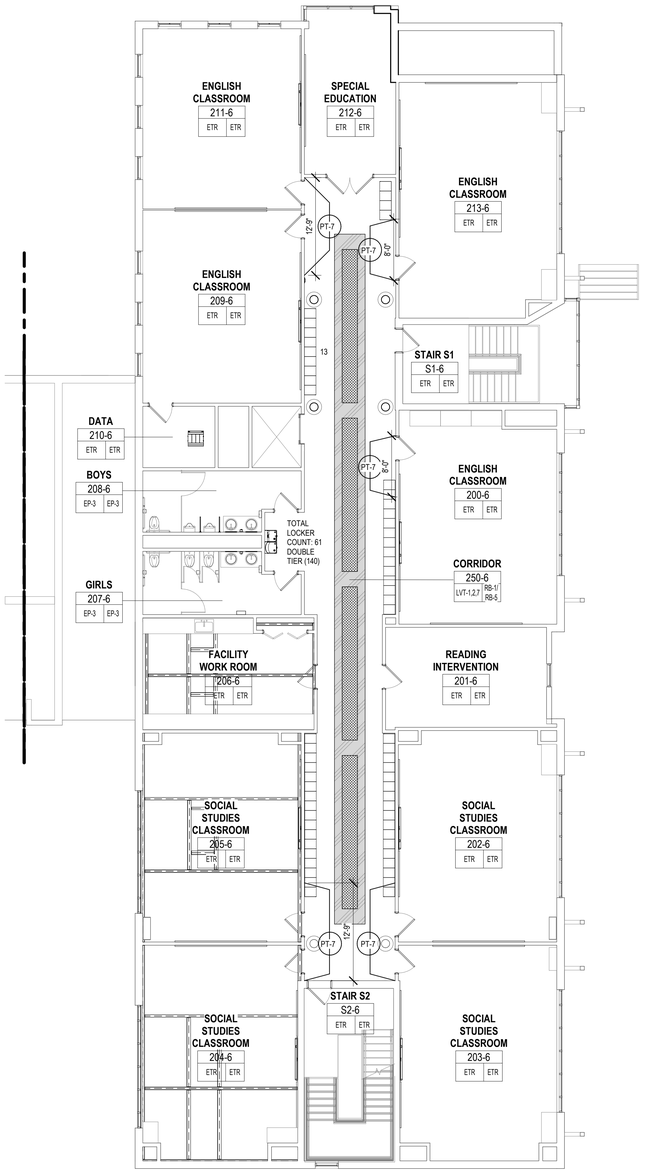
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 6 - FLOOR PATTERN & FINISH PLAN - PART 'A'
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

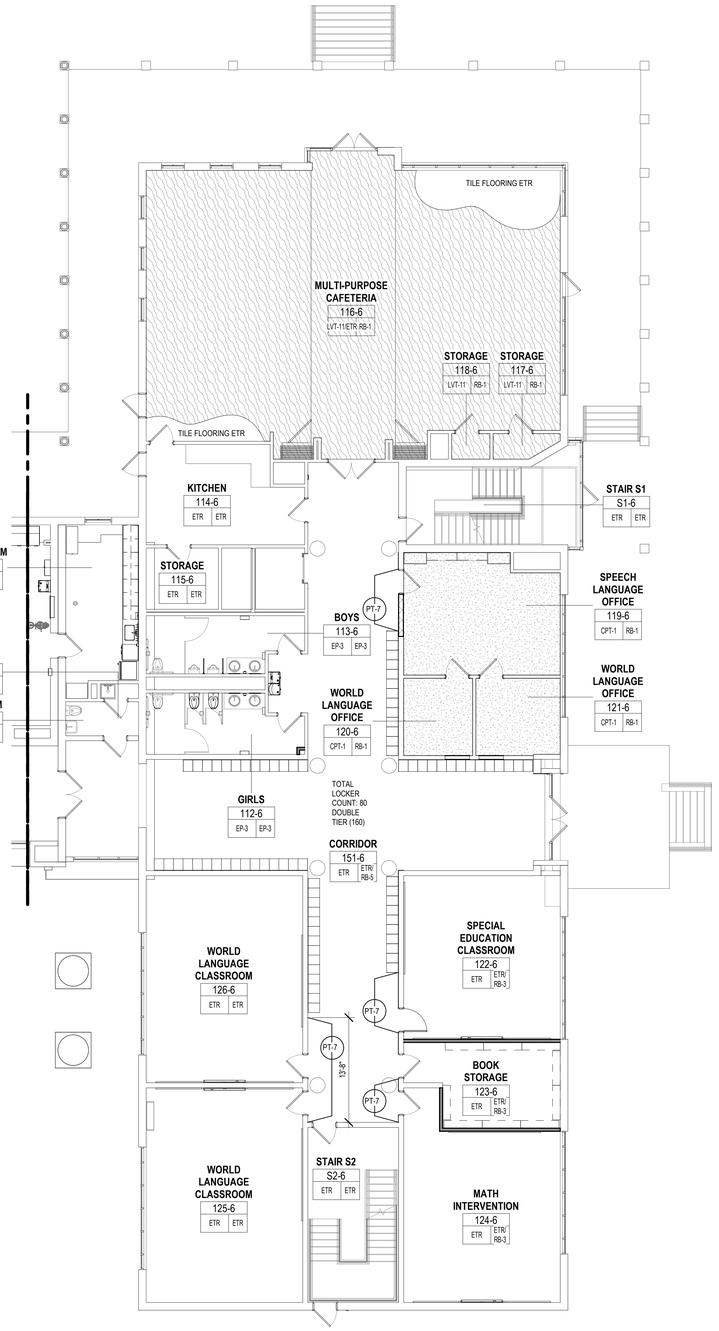
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A260-6

1/9/2026 9:10:09 AM



2 SECOND FLR PATTERN PLAN - PART 'B'
1/8" = 1'-0"



1 FIRST FLOOR PATTERN PLAN - PART 'B'
1/8" = 1'-0"

FLOOR FINISH LEGEND

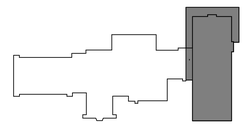
- LVT-1
- CPT-1
- LVT-2
- LVT-11
- LVT-7
- PFT-1

GENERAL FINISH NOTES

A. PROVIDE WINDOW SHADES AT ALL EXTERIOR WINDOWS, SEE PROJECT MANUAL FOR MORE INFORMATION.
B. ALL EXPOSED PIPE COLUMNS TO BE PAINTED, U.O.N.
C. REFER TO FLOOR PATTERN & FINISH PLANS FOR CORRIDOR PAINT LOCATIONS.
D. PREPARE ALL SURFACES, INCLUDING BUT NOT LIMITED TO SUBFLOORS AND WALLS, FOR MATERIAL TO BE APPLIED BASED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. CONTRACTOR IS RESPONSIBLE FOR MOISTURE TESTING ALL CONCRETE SUB FLOORS WHERE NEW FLOORING IS TO BE INSTALLED AND WILL REPORT ALL TEST RESULTS TO THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
F. CONTRACTOR TO CONFIRM COMPATIBILITY OF ALL FLOOR COVERING MATERIALS AND THEIR ADHESIVES WITH ALL SUB FLOORING WATERPROOFING SYSTEMS WHERE THESE SYSTEMS MAY EXIST.
G. ALL INTERIOR NEW AND EXISTING METAL GUARD RAILS, BALISTERS, STAIR STRINGERS, AND STAIR PANS AND HANDRAILS TO BE PAINTED (PT-X), U.O.N.
H. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED, U.O.N.
I. REFER TO DETAIL 6/A734-1 FOR WAYFINDING CLASSROOM SIGNAGE. REFER TO FLOOR PATTERN & FINISH PLANS FOR LOCATIONS.
J. PAINT ALL EXISTING WOOD SILLS ON SECOND AND THIRD LEVEL, U.O.N.
K. PAINT INSIDE WINDOW CASING THAT HAS BEEN PREVIOUSLY PAINTED OVER ON SECOND AND THIRD LEVEL.
L. WHERE EXISTING CHAIR RAIL OR WOOD BASE EXISTS PATCH IN TO MATCH EXISTING PROFILE AT NEW CONSTRUCTION WALLS OR WHERE MECH. UNITS HAVE BEEN REMOVED. REFER TO FINISH KEY NOTES FOR SPECIFIC FINISH NOTES PER ROOM.
M. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH; REFER TO FINISH SCHEDULE AND PROJECT MANUAL.
N. CONTRACTOR TO PROVIDE FLOORING FINISHES FOR ALL OPEN OR EXPOSED CASEWORK AND/OR WALL MOUNTED COUNTERS.
O. CONTRACTOR SHALL PATCH/ REPAIR ALL EXISTING FLOOR FINISHES TO REMAIN; MATCH EXISTING.

FINISH KEY NOTES

1. SHADING INDICATES AREA TO PATCH IN FLOOR TILE WITH EXISTING ATTIC STOCK PROVIDED BY OWNER OR MATCH EXISTING.
2. PROFESSIONALLY CLEAN EXISTING FLOOR TILE AND ASSOCIATED WALL BASE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
3. PROFESSIONALLY CLEAN EXISTING WALL TILE. PROVIDE A CLEAR SURFACEGLAZE PROTECTIVE COATING (EP-3). PATCH AND REPAIR MISSING TILE OR GROUT AS NEEDED (ASSUME 10% OF SURFACE AREA).
4. SAND AND REFINISH WOOD FLOORING AND RISER TO MATCH ARCHITECT'S SAMPLE.
5. SHADING INDICATES AREA TO PATCH IN FLOOR TILE FROM REMOVAL OF STEAM RADIATOR, MATCH EXISTING.
6. SAND AND PREP EXISTING WOOD SILL AND TRIM FOR NEW PAINTED FINISH, TO BE PAINTED PT-12.
7. PREP WALL FOR NEW PAINT FINISH; SKIM COAT EXISTING WALL WITH A LAYER OF PLASTER FOR A SMOOTH AND CLEAN SURFACE.



KEY PLAN
SCALE: NTS

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

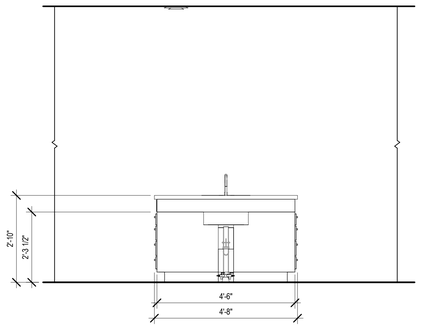
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 6 - FLOOR PATTERN & FINISH PLANS - PART 'B'
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

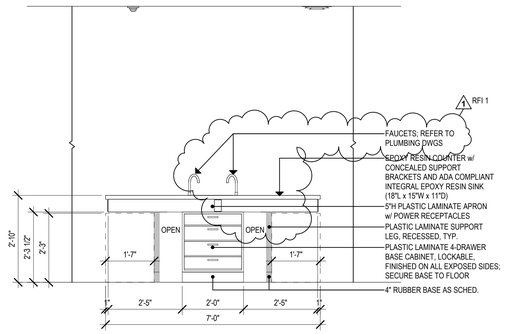
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A261-6

1/9/2026 9:10:10 AM



14 PHYSICS LAB 127-6 TABLE - ELEV. B
1/2" = 1'-0"



10 PHYSICS LAB 127-6 TABLE - ELEV. A
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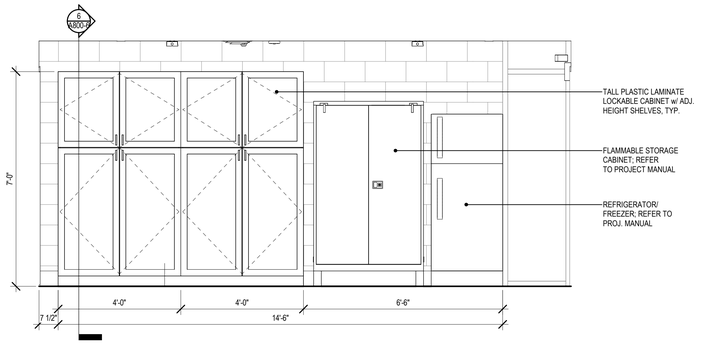

5 PREP ROOM 128-6 - ELEVATION B
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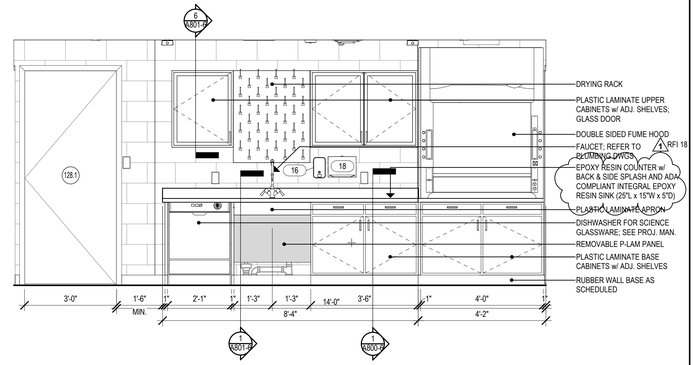

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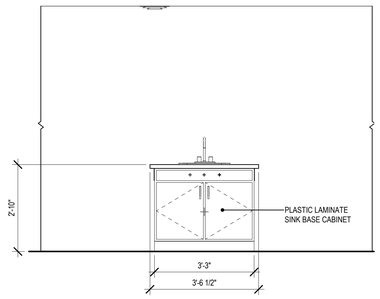

13 EARTH SCI. LAB 108-6 TABLE - ELEV. B
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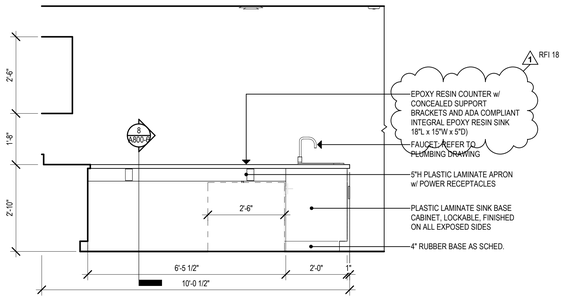

9 EARTH SCI. LAB 108-6 TABLE - ELEV. A
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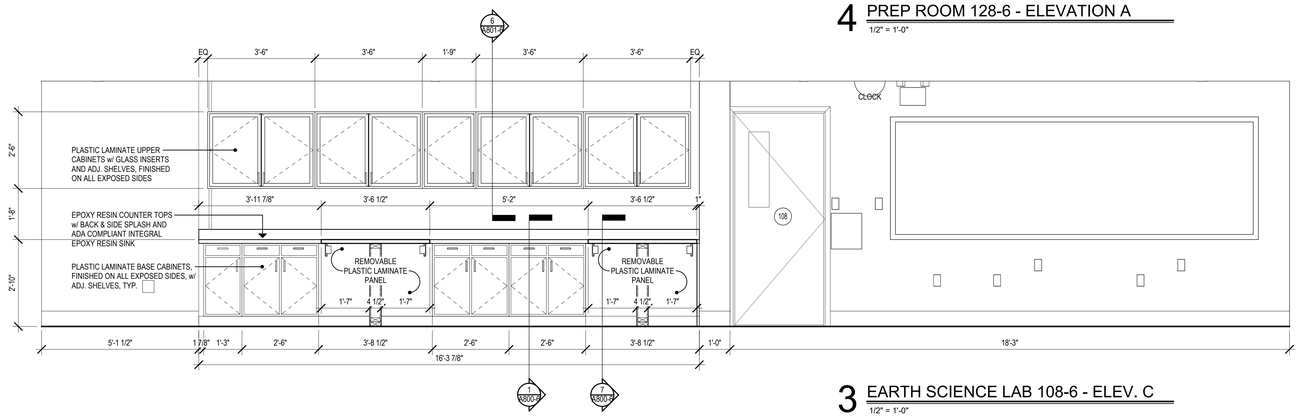

3 EARTH SCIENCE LAB 108-6 - ELEV. C
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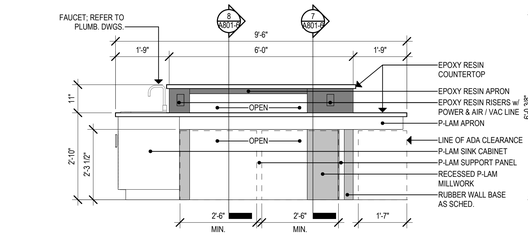

12 CHEM. LAB 107-6 CASEWORK - ELEV. A
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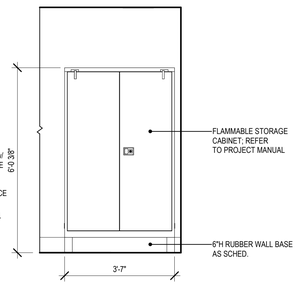

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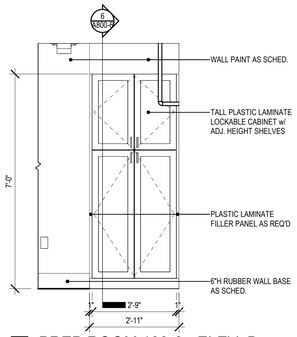

7 PREP ROOM 109-6 - ELEV. B
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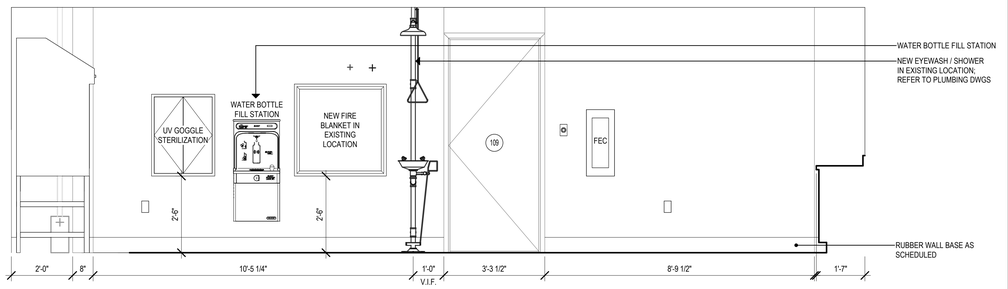
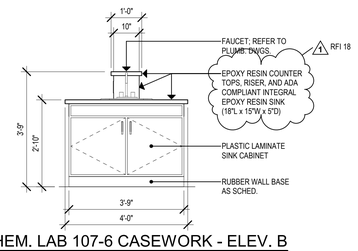


2 EARTH SCIENCE LAB 108-6 - ELEV. B
1/2" = 1'-0"



11 CHEM. LAB 107-6 CASEWORK - ELEV. B
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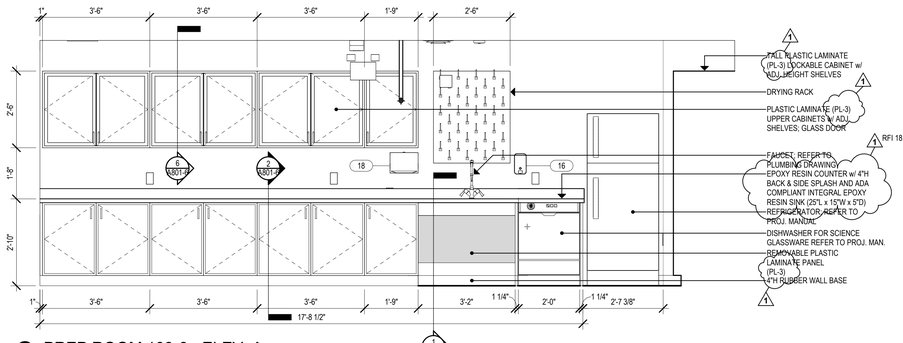
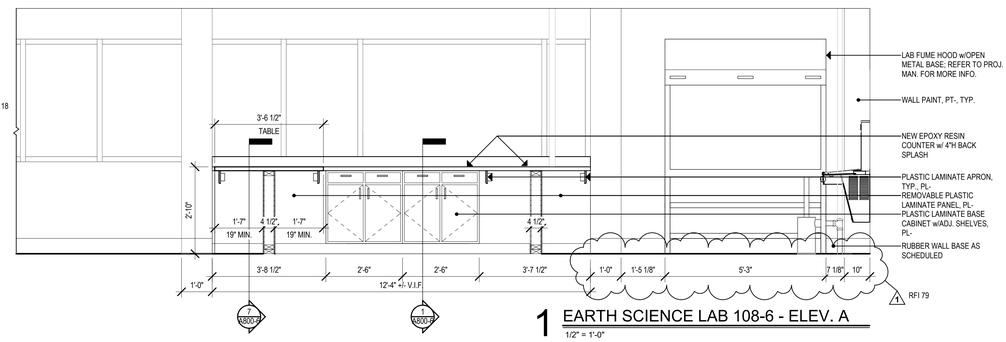


6 PREP ROOM 109-6 - ELEV. A
1/2" = 1'-0"



1 EARTH SCIENCE LAB 108-6 - ELEV. A
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 6 - INTERIOR ELEVATONS

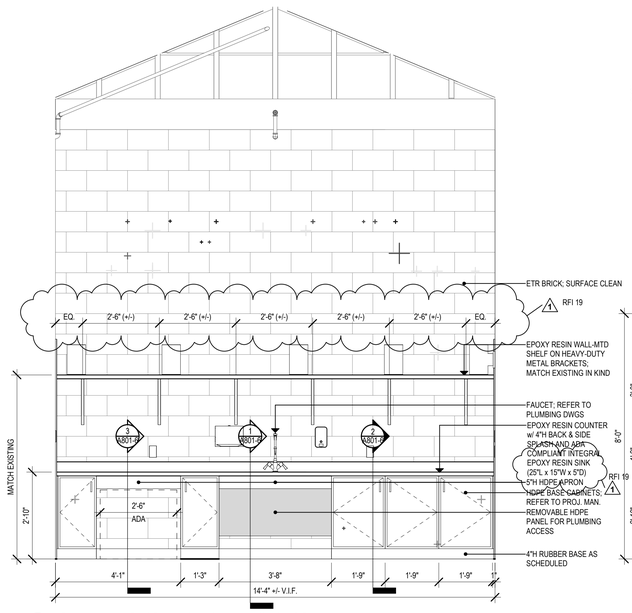
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD
Project Number: 22.050

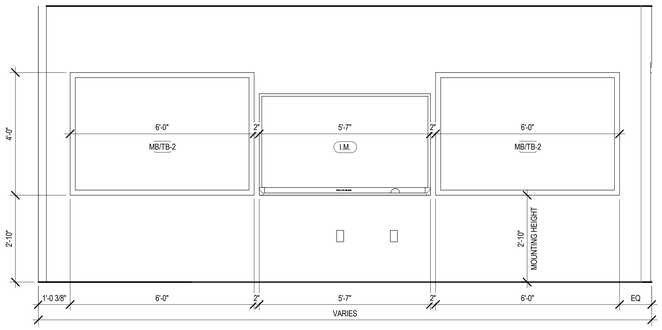
Drawing Number:
A732-6

1/9/2026 2:02:06 PM



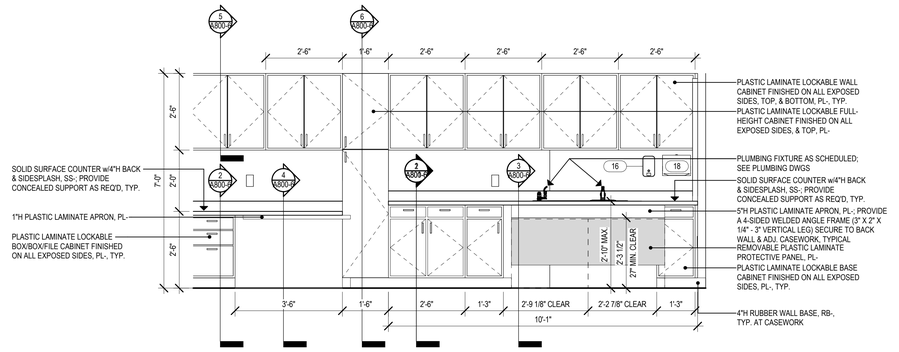
9 GREENHOUSE 105-6 - ELEVATION A

1/2" = 1'-0"



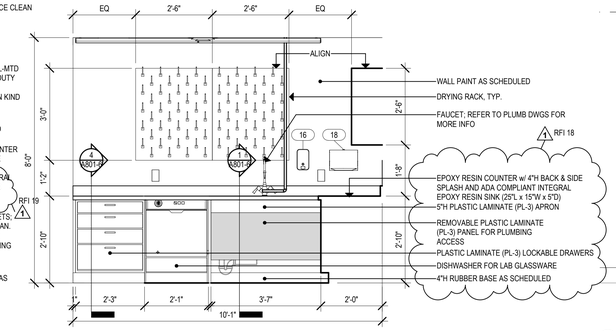
5 TYPICAL TEACHING WALL

1/2" = 1'-0"



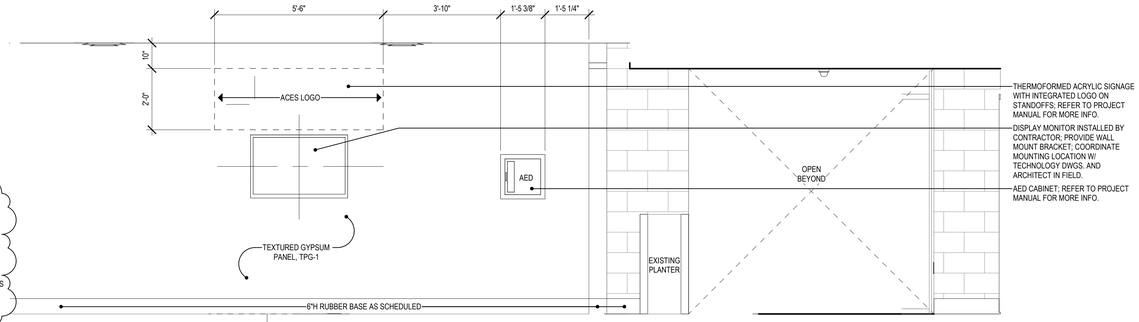
4 TYP. CLASSROOM CASEWORK WALL

1/2" = 1'-0"



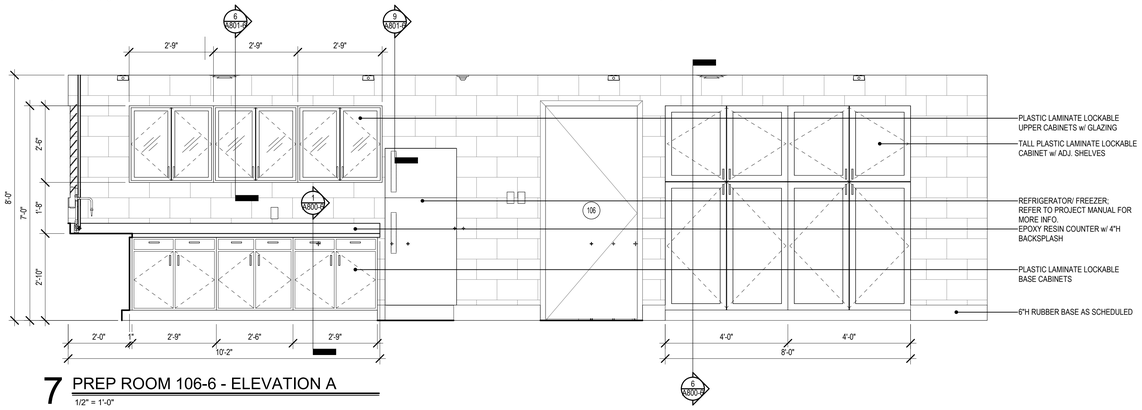
8 PREP ROOM 106-6 - ELEVATION B

1/2" = 1'-0"



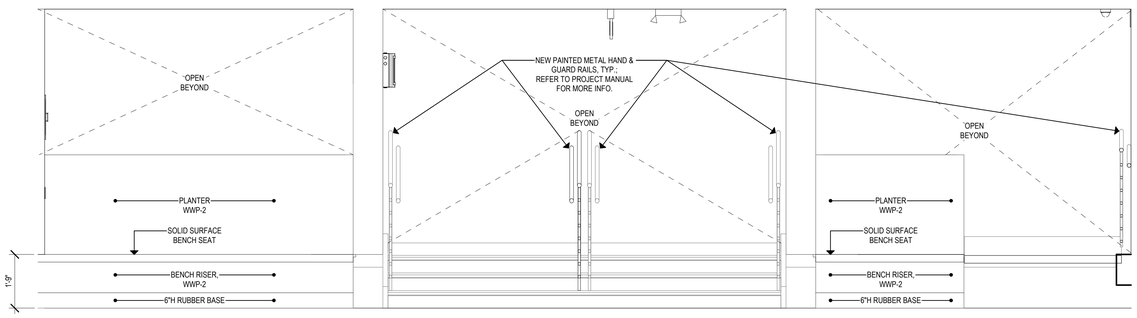
3 LOBBY 101-6 - ELEVATION C

1/2" = 1'-0"



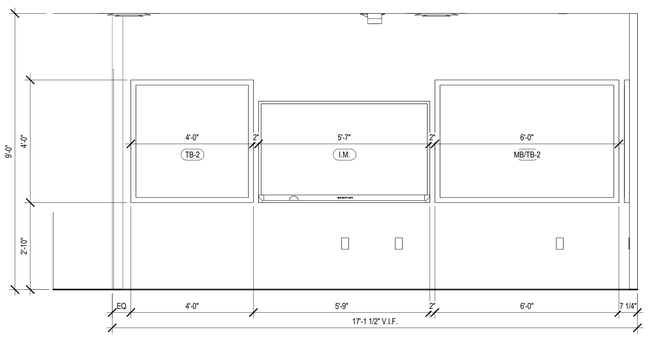
7 PREP ROOM 106-6 - ELEVATION A

1/2" = 1'-0"



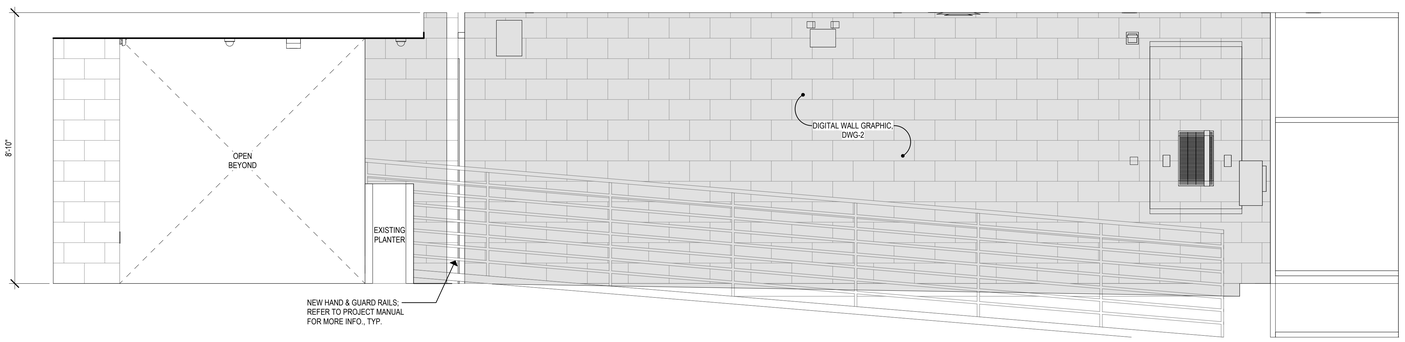
2 LOBBY 101-6 - ELEVATION B

1/2" = 1'-0"



6 MATH 140-6 TEACHING WALL

1/2" = 1'-0"



1 LOBBY 101-6 - ELEVATION A

1/2" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 6 - INTERIOR ELEVATIONS

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025

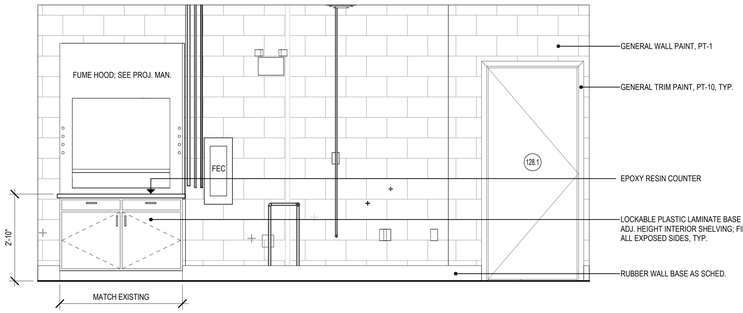
Scale: 1/2" = 1'-0"

Drawn By: KD

Project Number: 22.050

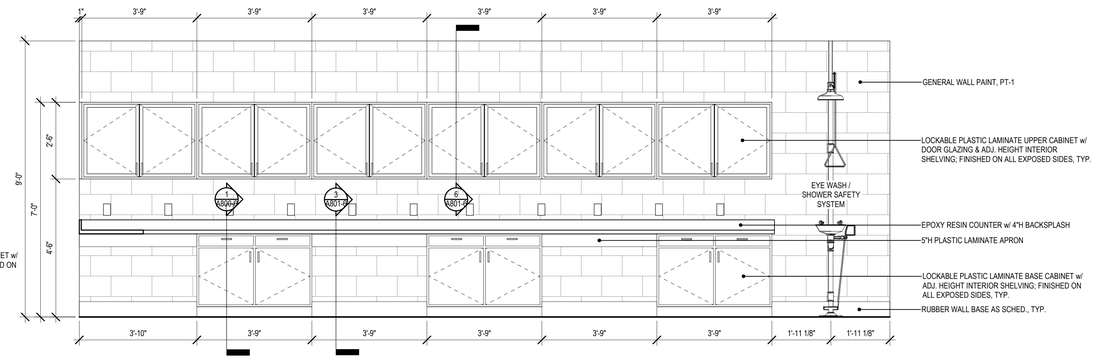
Drawing Number: A733-6

1/9/2026 10:26:09 AM



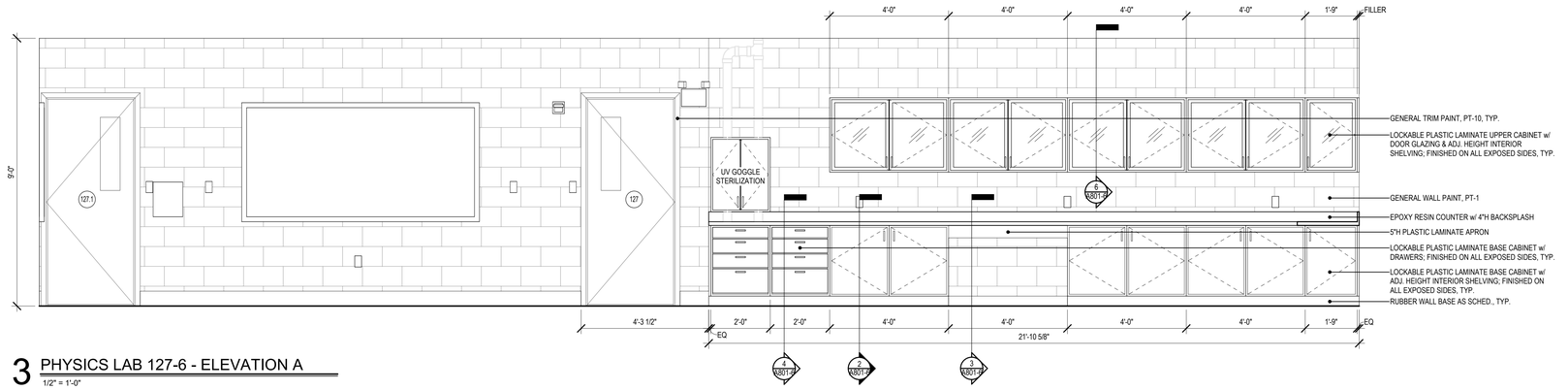
5 PHYSICS LAB 127-6 - ELEVATION C

1/2" = 1'-0"



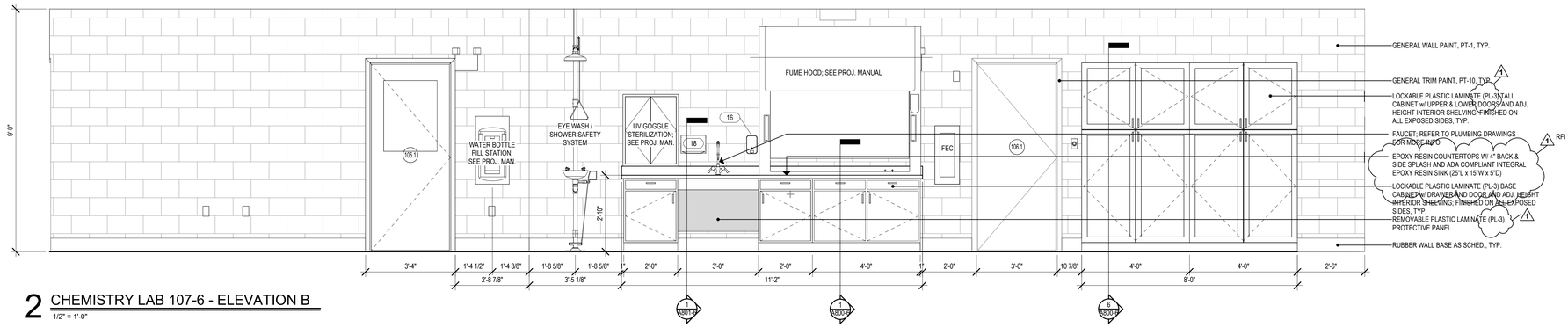
4 PHYSICS LAB 127-6 - ELEVATION B

1/2" = 1'-0"



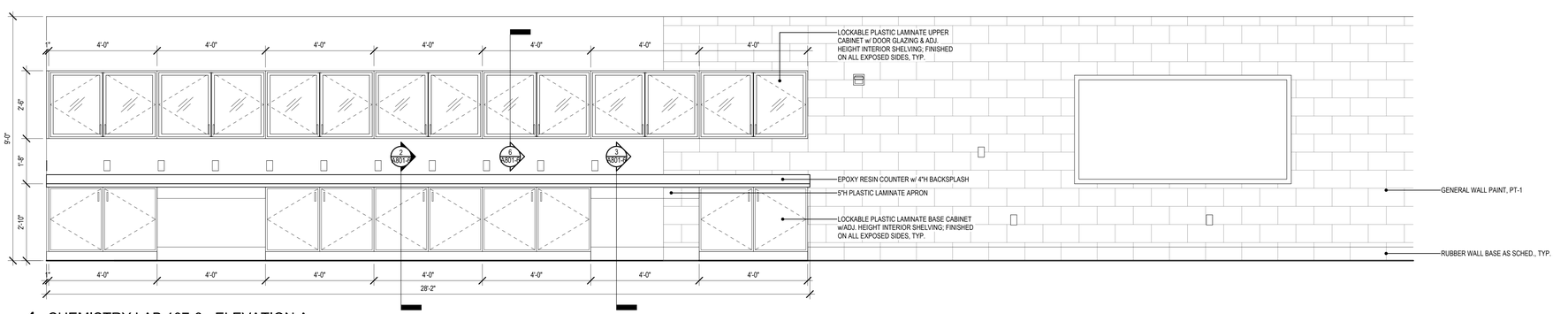
3 PHYSICS LAB 127-6 - ELEVATION A

1/2" = 1'-0"



2 CHEMISTRY LAB 107-6 - ELEVATION B

1/2" = 1'-0"



1 CHEMISTRY LAB 107-6 - ELEVATION A

1/2" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title:
BUILDING 6 - INTERIOR ELEVATIONS

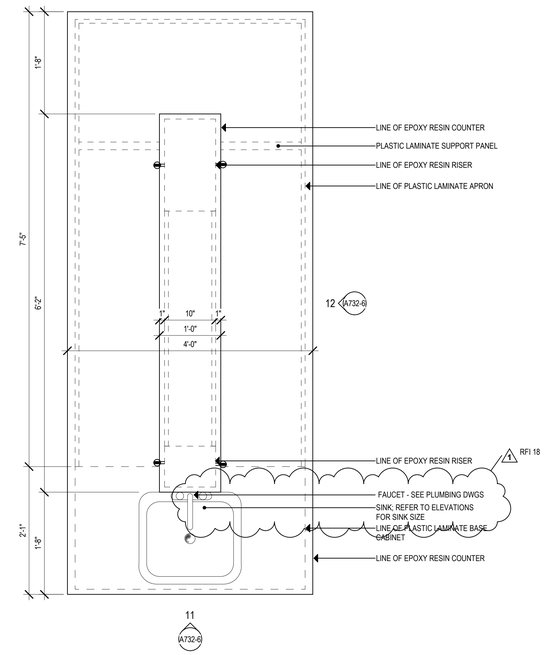
Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: KD
Project Number: 22.050

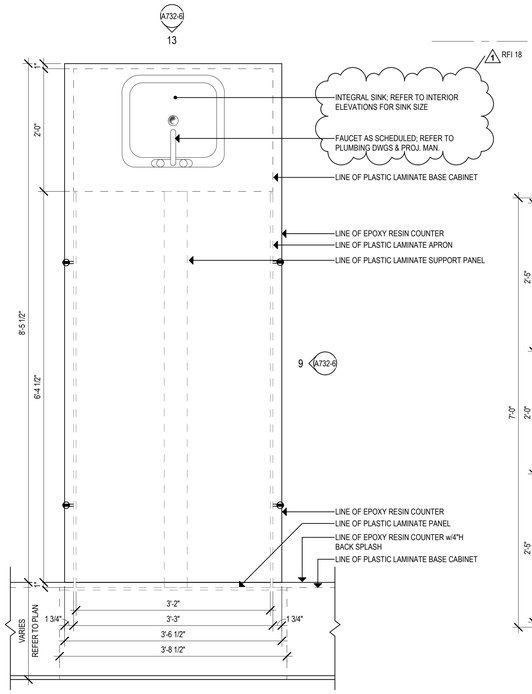
Drawing Number:
A734-6

1/9/2026 10:26:02 AM



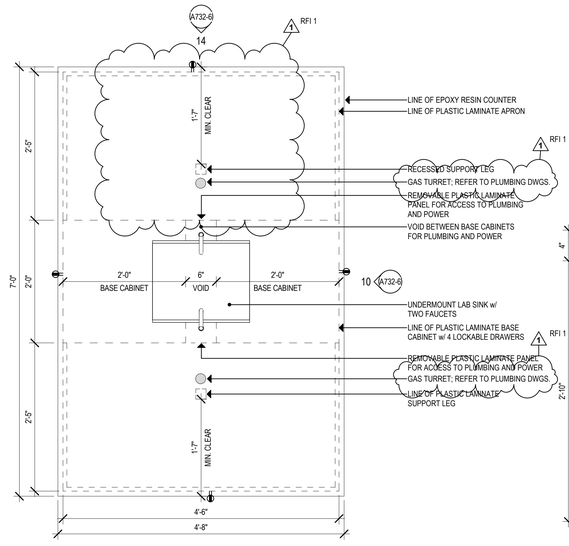
11 ENLARGED CHEM. LAB 107-6 TABLE

1" = 1'-0"



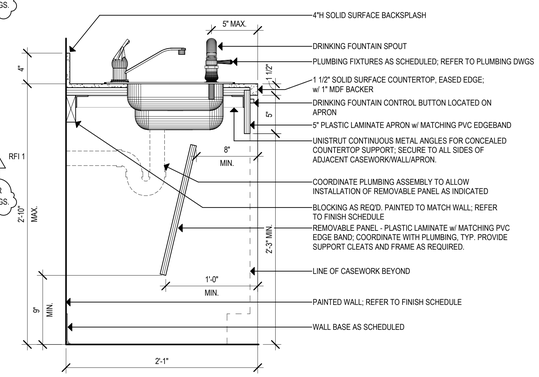
10 ENLARGED EARTH SCI. LAB 108-6 TABLE

1" = 1'-0"



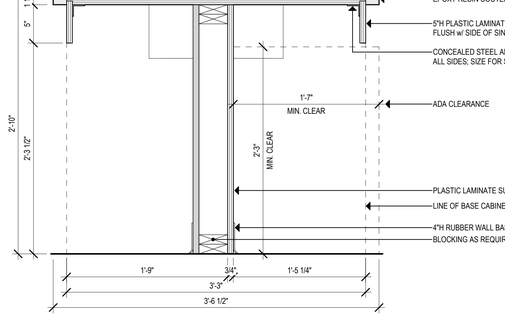
9 ENLARGED PHYS. LAB 127-6 TABLE

1" = 1'-0"



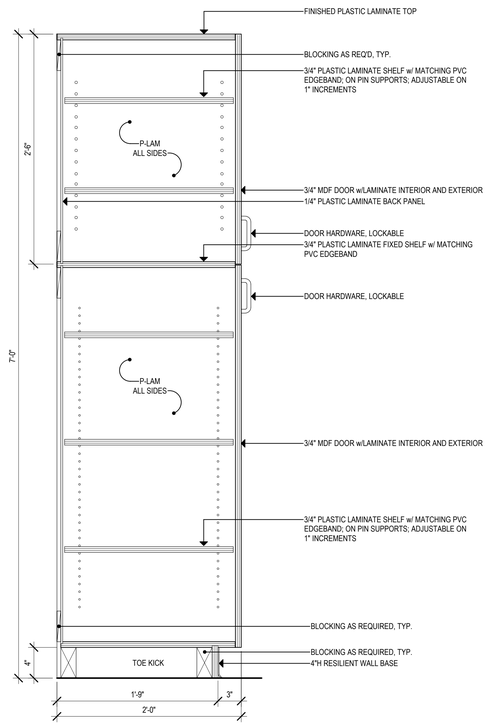
3 CLASSROOM SINK / DRINKING FOUNTAIN DETAIL

1 1/2" = 1'-0"



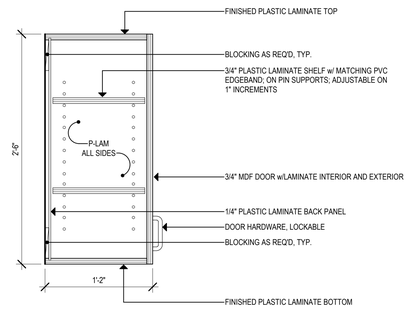
8 EARTH SCIENCE LAB TABLE DETAIL

1 1/2" = 1'-0"



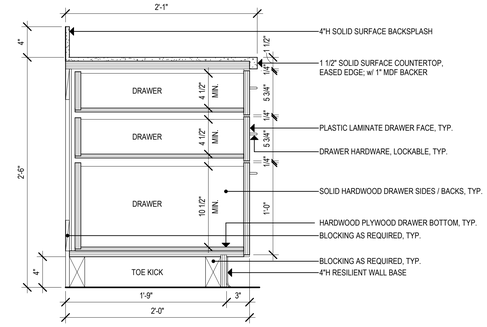
6 TALL 2-DOOR CABINET

1 1/2" = 1'-0"



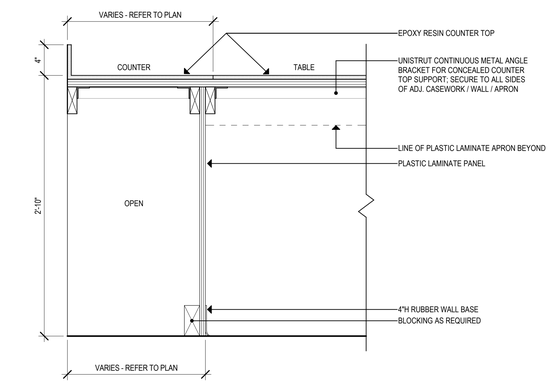
5 30"H UPPER CABINET DETAIL

1 1/2" = 1'-0"



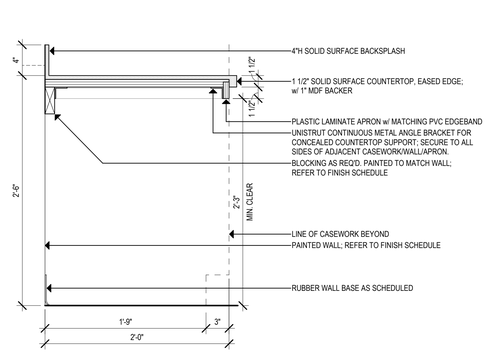
2 B/B/F 3-DRAWER BASE CABINET

1 1/2" = 1'-0"



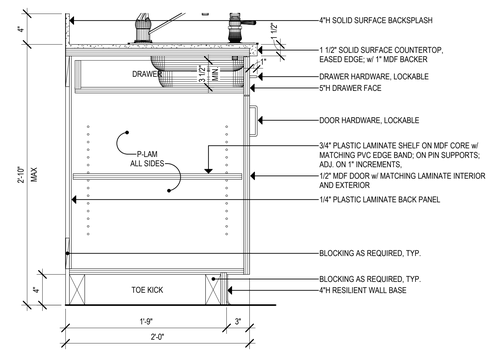
7 EARTH SCIENCE LAB COUNTER DETAIL

1 1/2" = 1'-0"



4 30"H OPEN COUNTER w/APRON

1 1/2" = 1'-0"



1 BASE CABINET w/DRAWER AND DOOR

1 1/2" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 6 - CASEWORK DETAILS

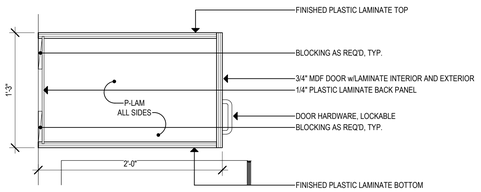
Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

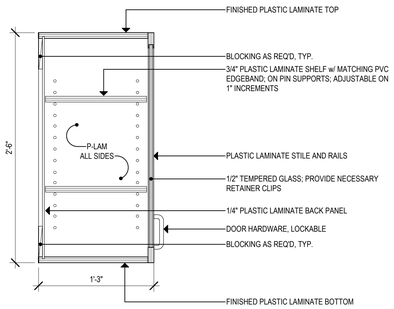
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A800-6

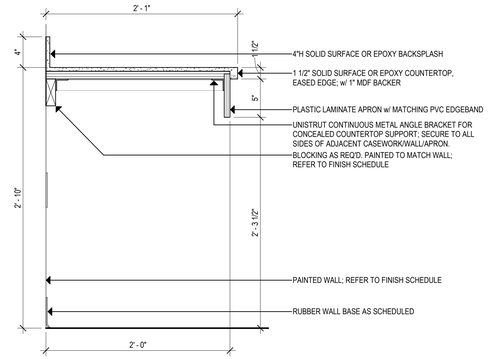
1/9/2026 10:26:03 AM



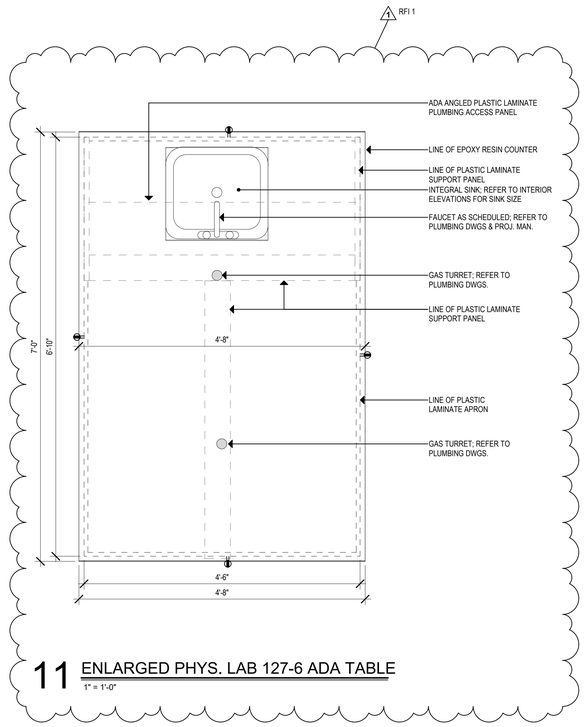
9 OVER-REFRIGERATOR WALL CABINET
1 1/2" = 1'-0"



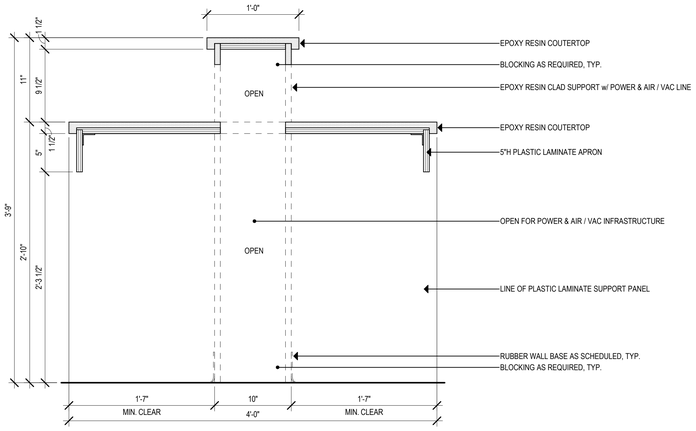
6 30"H UPPER CABINET w/GLASS INSERT
1 1/2" = 1'-0"



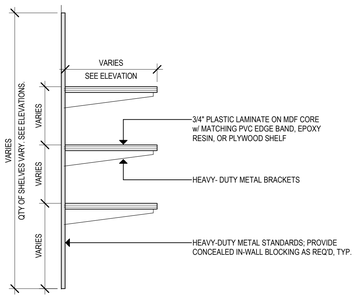
3 34"H OPEN COUNTER w/APRON
1 1/2" = 1'-0"



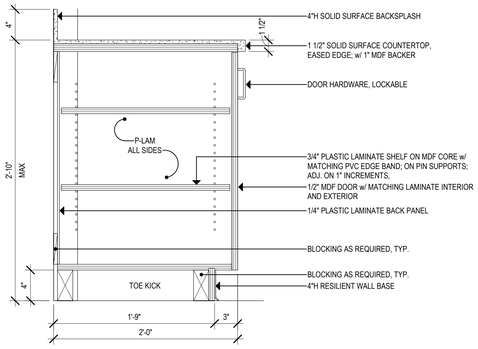
11 ENLARGED PHYS. LAB 127-6 ADA TABLE
1" = 1'-0"



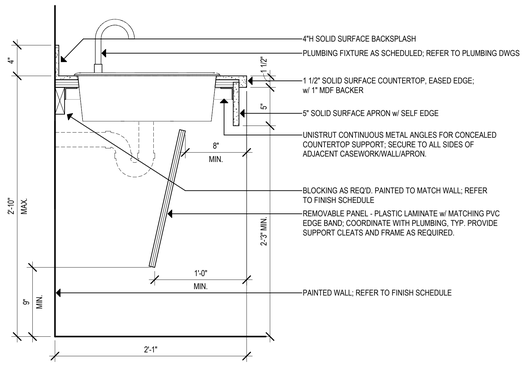
8 BIO & CHEM LAB TABLE DETAIL "B"
1 1/2" = 1'-0"



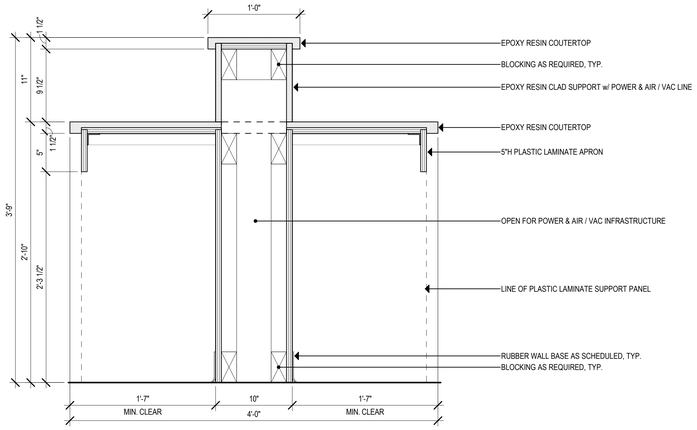
5 ADJUSTABLE HEIGHT SHELVING
1 1/2" = 1'-0"



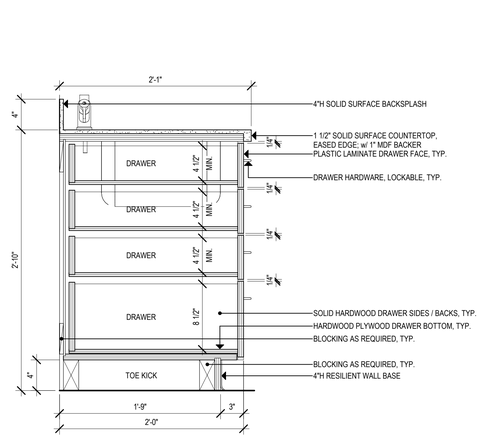
2 BASE CABINET w/DOOR
1 1/2" = 1'-0"



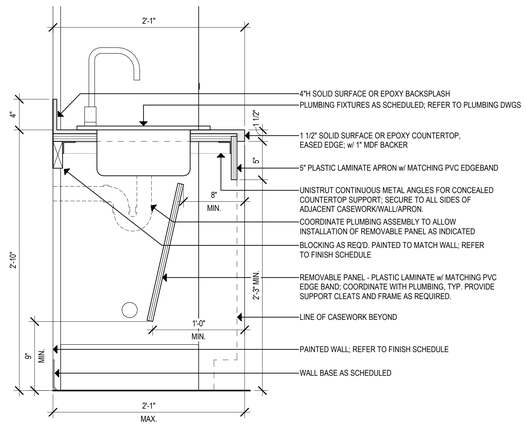
10 COUNTER-MOUNTED LAV DETAIL
1 1/2" = 1'-0"



7 BIO & CHEM LAB TABLE DETAIL "A"
1 1/2" = 1'-0"



4 4-DRAWER BASE CABINET
1 1/2" = 1'-0"



1 SINK CASEWORK DETAIL
1 1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

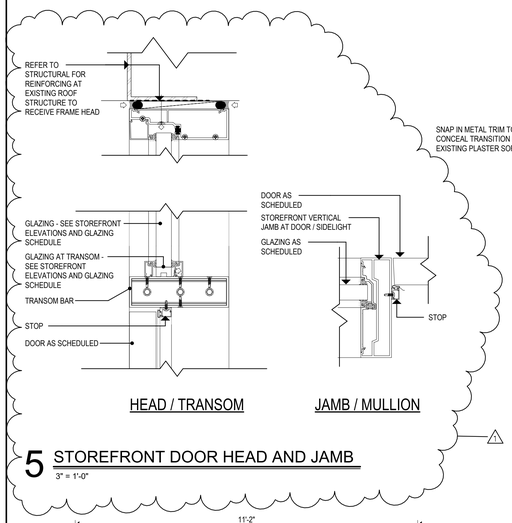
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

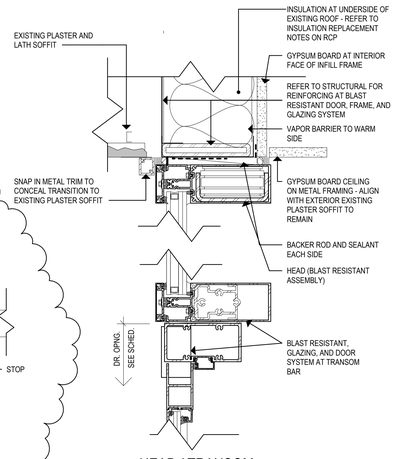
Drawing Title: BUILDING 6 - CASEWORK DETAILS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

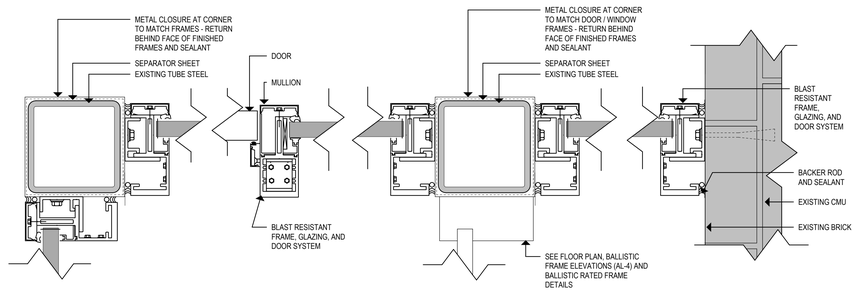
Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

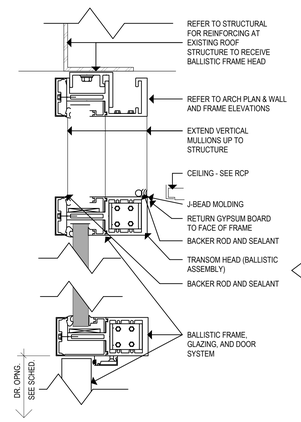
Drawing Number: A801-6

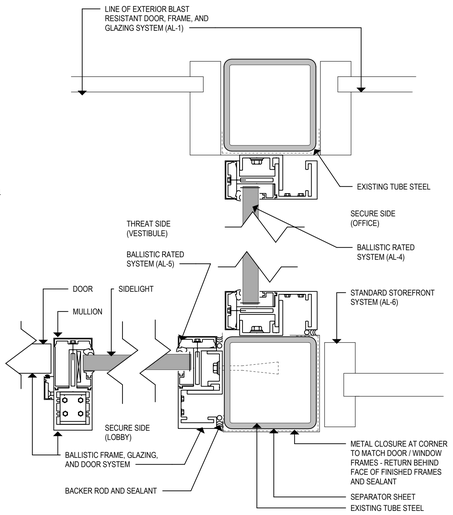
1/9/2026 2:40:14 PM







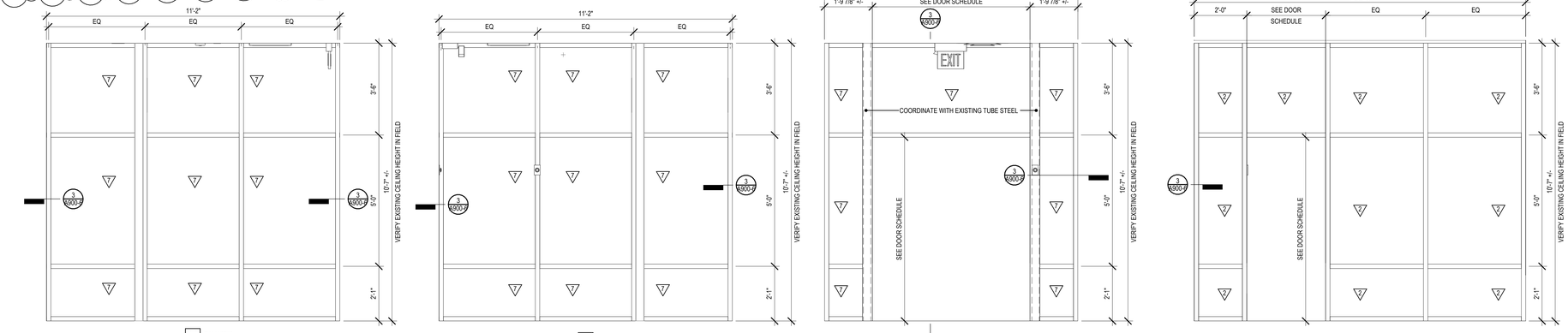


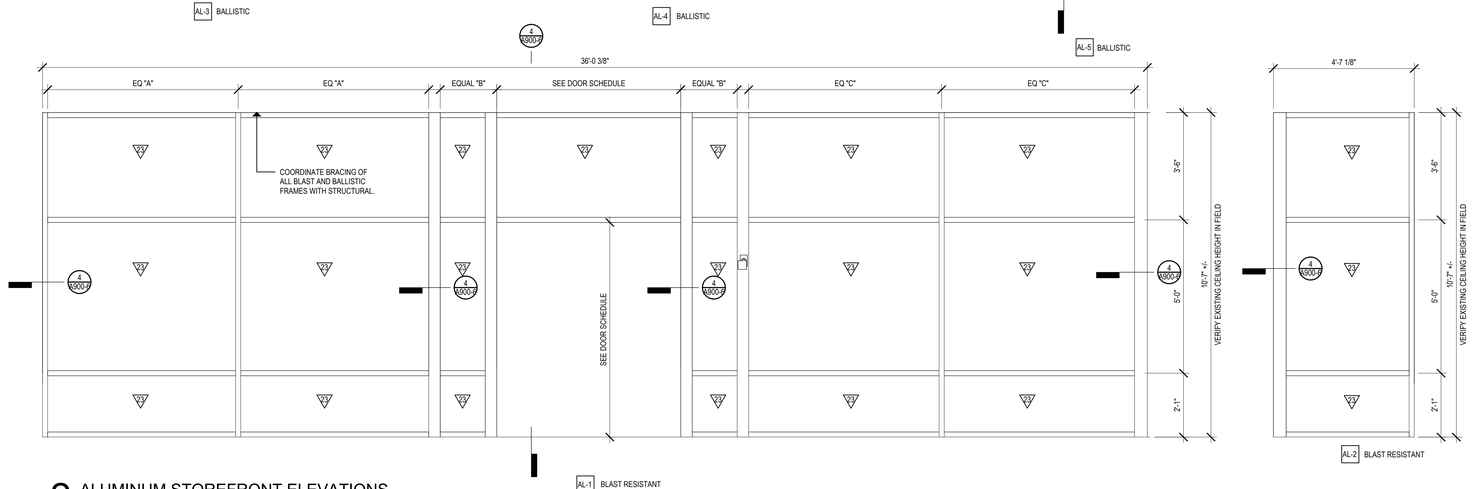


5 STOREFRONT DOOR HEAD AND JAMB
3" = 1'-0"

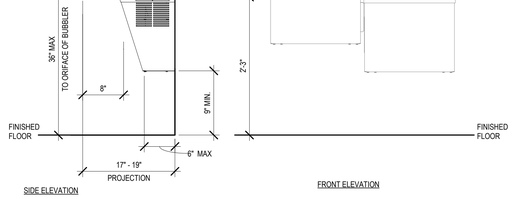
4 BLAST RESISTANT FRAMES
3" = 1'-0"

3 BALLISTIC RATED FRAMES
3" = 1'-0"

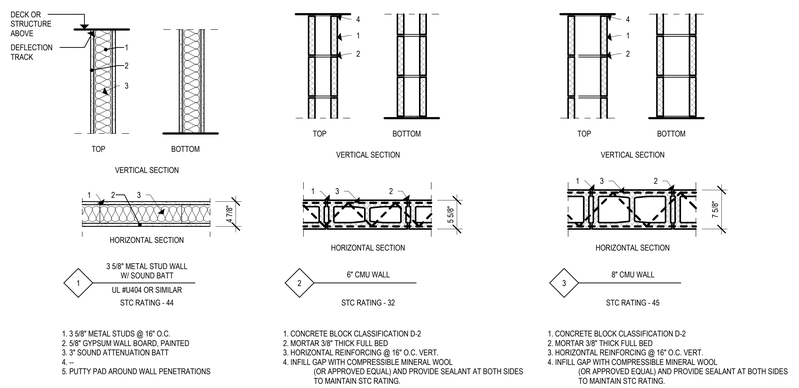




2 ALUMINUM STOREFRONT ELEVATIONS
1/2" = 1'-0"



1 WATER COOLER/ BOTTLE FILLER DETAILS
1" = 1'-0"



A WALL TYPES
1" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 6 - PARTITION TYPES AND SPECIAL DETAILS
Project Phase:
ISSUED FOR BID - 11/03/2025
State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: BJV
Project Number: 22.050
Drawing Number: A900-6

10/20/26 11:44:18 AM

DOOR SCHEDULE - BASEMENT

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A924-6	SIGNAGE TEXT	REMARKS
B01	B01-6	S1-6			3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX					•													S10	STAIR/EXIT	
B02	B02-6	B01-6			6' - 0"	7' - 0"	EX	HM	PT		EX	HM	PT	EX	EX	EX		•																S1	STORAGE	
B03	B03-10	B02-6			3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX					•													S1	ELEVATOR MACHINE ROOM	
B04	B04-6	B01-6			6' - 0"	7' - 0"	EX	HM	PT		EX	HM	PT	EX	EX	EX		•																S1	MECHANICAL ROOM	
B05	B04-6	B05-6			3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX						•												S1	PUMP ROOM	
B06	B04-6	B06-6			3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX						•												S1	ELECTRICAL ROOM	

DOOR SCHEDULE - MAIN LEVEL

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER ASSIST OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A924-6	SIGNAGE TEXT	REMARKS
100	100-6		•		6' - 0"	7' - 0"	4	AL	FF	23	AL-1	AL	FF	A/900-6	A/900-6	C	SEE ELEVATION					•	•	•		•		•		•			•	S1		BLAST RESISTANT, 2, 4, 7, 8, 9
101	101-6	100-6	•		6' - 0"	7' - 0"	4	AL	FF	7	AL-5	AL	FF	A/900-6	A/900-6	A	SEE ELEVATION					•	•	•		•		•		•			•	S6	EXIT	BALLISTIC RATED, 2, 4, 7, 8, 9
102	101-6	102-6			3' - 0"	7' - 0"	4	AL	FF	2	AL-6	AL	FF	5/A900-6	5/A900-6	A	SEE ELEVATION					•		•		•		•			•		•	S1	SECURITY	
104	104-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
104.1	104-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
105	104-6	105-6			3' - 0"	7' - 0"	3	WD	EX	2	EX	HM	PT	EX	EX	EX	-					•		•		•				•	•	•	S1	GREEN HOUSE	1
105.1	107-6	105-6			3' - 0"	7' - 0"	3	WD	EX	2	EX	HM	PT	EX	EX	EX	-					•		•		•				•	•	•	S1	GREEN HOUSE	1
106	104-6	106-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	PREP ROOM	5
106.1	107-6	106-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	PREP ROOM	5
107	107-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
107.1	107-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
108	108-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	5
109	108-6	109-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	PREP ROOM	5
110	110	151-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																			5
111	111	110			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	CUSTODIAN	5
112	151-6	112-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S2	WOMEN'S RESTROOM	5
113	151-6	113-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S3	MEN'S RESTROOM	5
114	151-6	114-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S1	KITCHEN	5
114.1	114-6	116-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	KITCHEN	5
114.2	114-6				3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX						•												S6	EXIT	
115	114-6	115-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	STORAGE	5
116	151-6	116-6	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S1	MULTIPURPOSE / CAFETERIA	5
116.1	116-6				3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX						•												S6	EXIT	5
116.2		116-6	•		5' - 9"	7' - 0"	EX	AL	EX	EX	EX	AL	FF	EX	EX	EX						•												S6	EXIT	5
116.3	116-6				3' - 0"	7' - 0"	EX	AL	EX	EX	EX	AL	FF	EX	EX	EX						•												S6	EXIT	5
117	117-6	116-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	STORAGE	5
118	118-6	116-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	STORAGE	5
119	151-6	119-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	SPEECH LANGUAGE OFFICE	5
120	120-6	119-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	WORLD LANGUAGE OFFICE	5
121	121-6	119-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	WORLD LANGUAGE OFFICE	5
122	151-6	122-6			3' - 0"	7' - 0"	2	WD	ST	2	A	HM	PT	HM-1	HM-1	A		•						•		•				•	•	•	S1	CLASSROOM	10
123	151-6	123-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	BOOK STORAGE	5
124	151-6	124-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	5
125	151-6	125-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	5
126	151-6	126-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	5
127	127-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
127.1	127-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
128	127-6	128-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	PREP ROOM	3, 5
128.1	127-6	128-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	PREP ROOM	3, 5
129	128-6	129-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	STORAGE	5
130	150-6	130-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S4	UNISEX STAFF RESTROOM	5
131	130-6	131-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	STORAGE / UTILITY	5
132	150-6	132-6			2' - 9 3/4"	7' - 0"	EX	AL	EX	EX	EX	AL	FF	EX	EX	EX		•																S1	SECRETARY	5
133	132-6	133-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX						•												S1	ASSISTANT PRINCIPAL	5
134	134-6	150-6	•		6' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S1	CONFERENCE ROOMS 1 & 2	5
134.1	134-6	133-6			3' - 0"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX		•																S1	ASSISTANT PRINCIPAL	5
136	136-6				3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX		•																S1	EXIT	5
136.1	136-6				3' - 0"	7' - 0"	EX	HM	EX		EX	HM	PT	EX	EX	EX		•																S1	EXIT	5
137	137-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	OFFICE	3, 5
138	138-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	STFFICE	3, 5
139	139-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
139.1	139.1-6	139-6	•		5' - 8"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	CLOSET	BI-FOLD
140	140-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
140.1	140.1-6	140-6	•		5' - 8"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	CLOSET	BI-FOLD
141	141-6	150-6	•		6' - 0"	7' - 0"	4	AL	FF	10	EX	EX	EX	EX	EX	A	EX					•	•	•		•	•		•		•	S6	EXIT	4,8
141.1		141-6	•		6' - 0"	7' - 0"	4	AL	FF	10	EX	EX	EX	EX	EX	C	EX					•	•	•		•	•		•		•	S6	EXIT	4, 7, 8, 9
142	142-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
142.1	142.1-6	142-6	•		5' - 8"	7' - 0"	EX	WD	EX		EX	HM	PT	EX	EX	EX						•												S1	CLOSET	5, BI-FOLD
143	143-6	150-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	A/A910-6	EX	EX		•																S1	CLASSROOM	3, 5
144	144-6	150-6			3' - 0"	7' - 2"	1	WD	EX	-	A	HM	PT	HM-2	HM-2	B	-	•																S3	GIRLS' RESTROOM	
145	145-6	150-6			3' - 0"	7' - 2"	1	WD	EX	-	A	HM	PT	HM-2	HM-2	B	-	•						•		•				•	•	•	S1	CUSTODIAN / UTILITY	
146	146-6	150-6			3' - 0"	7' - 2"	1	WD	EX	-	A	HM	PT	HM-2	HM-2	B	-	•								•				•	•	•	S2	BOYS' RESTROOM	
150	150-6	151-6	•		6' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX					•																
151		151-6	•		5' - 10"	7' - 0"	EX	AL	EX	EX	EX	AL	FF	EX	EX	EX						•												S6	EXIT	EXTERIOR
S1.1A	151-6	S1-6			3' - 0"	7' - 0"	EX	HM	EX	EX	EX	HM	PT	EX	EX	EX					•												S10	STAIR/EXIT	EXISTING PANIC
S1.1B		S1-6			3' - 0"	7' - 0"	EX	AL	EX	EX	EX	AL	FF	EX	EX	EX						•												S1	EXIT	EXTERIOR, EXISTING PANIC
S2.1A	151-6	S2-6			3' - 0"	7' - 0"	EX	HM	EX	EX	EX	HM	PT	EX	EX	EX					•												S10	STAIR/EXIT	EXISTING PANIC
S2.1B		S2-6			3' - 0"	7' - 0"	EX	HM	EX	EX	EX	HM	PT	EX	EX	EX						•												S1	EXIT	EXTERIOR, EXISTING PANIC

ABBREVIATIONS

AL/ALUM	-	ALUMINUM
CLR	-	CLEAR
EX	-	EXISTING
FF	-	FACTORY FINISH
FG	-	FIBERGLASS
ST	-	FROSTED
HM	-	HOLLOW METAL
INSUL.	-	INSULATED
PT	-	PAINTED
SS	-	STAINLESS STEEL
ST	-	STAINED
STL	-	STEEL
TEMP	-	TEMPERED
WD	-	WOOD

GENERAL DOOR NOTES

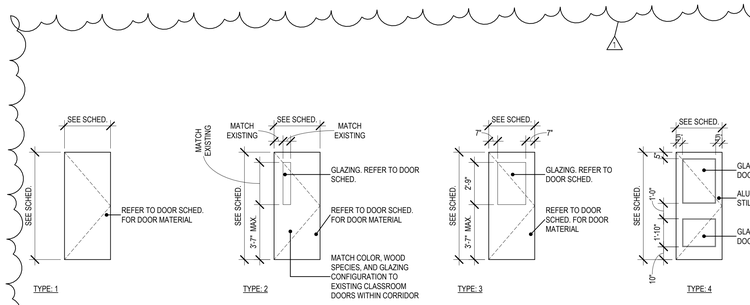
1. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
2. ALL NEW KICK PLATES SHALL BE 16" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. SEE SCHEDULE FOR MORE INFO.
3. ALL GLASS IN DOORS, SIDE LITES AND TRANSOMS SHALL BE TEMPERED. SEE SCHEDULE AND WINDOW ELEVATIONS FOR ADDITIONAL GLAZING REQUIREMENTS.
4. ALL EXTERIOR DOORS SHALL RECEIVE FULL WEATHER STRIPPING ON ALL SIDES, TOP AND BOTTOM.
5. ALL HOLLOW METAL FRAMES (NEW AND EXISTING TO REMAIN) SHALL BE PAINTED. COLOR AS SELECTED BY ARCHITECT.
6. DOORS SCHEDULED TO BE INSTALLED IN EXISTING FRAMES SHALL BE FABRICATED TO FIT WITH EXISTING FRAME CONFIGURATION. ANY REMAINING HOLES AND/OR CUTOUTS IN FRAME SHALL BE FILLED WITH METAL PLATES, GROUND SMOOTH AND PAINTED.
7. AT ALL EXISTING DOOR LOCATIONS, PROVIDE NEW REPLACEMENT HARDWARE AND/ OR DOOR SLAB AS INDICATED INDIVIDUALLY IN SCHEDULE.
8. PROVIDE APPLIED DOOR NUMBER DECAL AT ALL EXTERIOR DOORS UNLESS OTHERWISE NOTED. SEE DETAILS 5 & 6 ON A920-6
9. OMIT PUSH PLATE AT DOORS EQUIPPED WITH PANIC HARDWARE AND UNSECURE / EXTERIOR SIDE PULLS.
10. PROVIDE PULL HANDLE AT ACTIVE LEAF ONLY AT PAIRS OF DOORS.

SCHEDULE REMARKS. (LAST COLUMN IN DOOR SCHEDULE):

1. PROVIDE NEW DOOR AND HARDWARE IN EXISTING FRAME (EXISTING "BLIND" WOOD TRANSOM PANEL TO ALSO REMAIN). VERIFY OPENING SIZE, DEPTH, HINGE AND HARDWARE LOCATIONS IN FIELD AND FABRICATE NEW DOOR TO FIT.
2. PROVIDE REMOVABLE AND LOCKABLE CENTER MULLION.
3. PAINT EXISTING "BLIND" SOLID WOOD TRANSOM PANEL TO MATCH FRAME COLOR AS INDICATED IN SCHEDULE (SIMILAR TO OTHER EXISTING DOOR CONDITIONS THROUGHOUT 1960'S PORTION OF THIS BUILDING)
4. PROVIDE CONTINUOUS HINGE AT DOORS INDICATED.
5. EXISTING DOOR AND FRAME TO REMAIN.
6. EXIT DOOR ONLY. OMIT EXTERIOR HARDWARE AND TRIM.
7. PROVIDE ACCESS CONTROL AND ELECTRIC HARDWARE AT THIS DOOR. COORDINATE WITH CARD READER AND REMOTE OPENER (FROM MAIN OFFICE). REFER TO TECHNOLOGY PLANS & PROJECT MANUAL FOR MORE INFORMATION.
8. PROVIDE POWER OPENER AND REMOTE PUSH PLATES (OUTSIDE AND INSIDE) WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COORDINATE OPERATION WITH SECURITY SYSTEM AND FEATURES OF OTHER ACCESS EQUIPMENT (DOOR POWER OPERATOR CANNOT FUNCTION UNLESS PERSONNEL IN THE OFFICE RELEASE THE ELECTRIC DOOR LATCH(S). DOOR LEAF TO RECEIVE THE POWER OPERATOR IS INDICATED ON FLOOR PLAN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND POWER REQUIREMENTS. POWER ASSIST OPERATOR REQUIRED ON THE INACTIVE LEAF OF A DOUBLE DOOR CONFIGURATION.
9. COORDINATE DOOR(S) SIZE WITH CURTAIN WALL / STOREFRONT SYSTEM. SEE EXTERIOR ELEVATIONS AND CURTAIN / STOREFRONT WALL TYPES, INCLUDING BALLISTIC TYPES.
10. MATCH GLAZED OPENING (NARROW VISION HEIGHT, WIDTH, OFFSETS FROM BOTTOM AND SIDES) WITHIN DOOR TO EXISTING ADJACENT NARROW VISION DOORS WITHIN CORRIDOR. ALSO MATCH COLOR AND WOOD SPECIES.

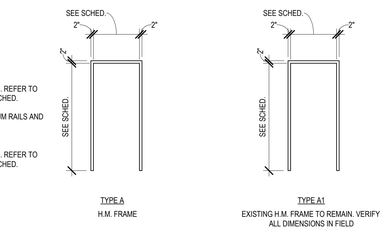
DOOR SCHEDULE - SECOND FLOOR

DOOR NUMBER	FROM ROOM No.	TO ROOM No.	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A924-6	SIGNAGE TEXT	REMARKS
200	250-6	200-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
201	250-6	201-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	READING INTERVENTION	
202	250-6	202-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
203	250-6	203-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
204	250-6	204-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
205	250-6	205-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
206	206-6	250-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	FACULTY WORKROOM	
206.1	206A-6	206-6	•		5' - 8"	7' - 0"	EX	WD	EX	-	EX	HM	PT	EX	EX	EX						•												S1	CLOSET	BI-FOLD
207	250-6	207-6			3' - 0"	7' - 0"	EX	WD	EX	-	EX	HM	PT	EX	EX	EX		•																S2	WOMEN'S RESTROOM	
208	250-6	208-6			3' - 0"	7' - 0"	EX	WD	EX	-	EX	HM	PT	EX	EX	EX		•																S3	MEN'S RESTROOM	
209	250-6	209-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
210	209-6	210-6			3' - 0"	7' - 0"	EX	WD	EX	-	EX	HM	PT	EX	EX	EX						•												S1	DATA CLOSET	
211	250-6	211-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
212	212-6	250-6	•		6' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	SPECIAL EDUCATION	
213	250-6	213-6			3' - 0"	7' - 0"	EX	WD	EX	EX	EX	HM	PT	EX	EX	EX		•																S1	CLASSROOM	
S1.2A	250-6	S1-6			3' - 0"	7' - 0"	EX	HM	EX	EX	EX	HM	PT	EX	EX	EX						•												S10	STAIR/EXIT	
S2.2A	250-6	S2-6			3' - 0"	7' - 0"	EX	HM	EX	EX	EX	HM	PT	EX	EX	EX						•												S10	STAIR/EXIT	



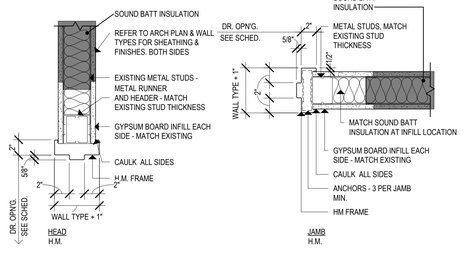
1 DOOR ELEVATIONS

1/4" = 1'-0"



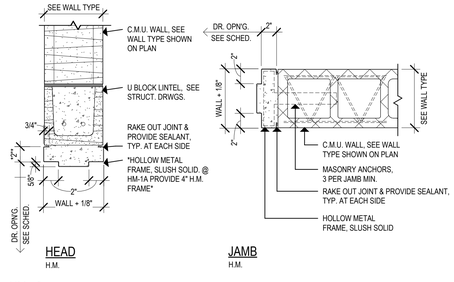
2 FRAME ELEVATIONS

1/4" = 1'-0"



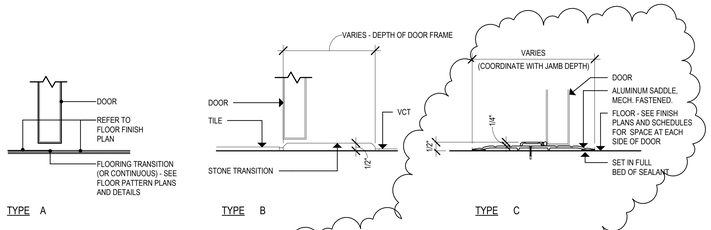
HM - 1

EXISTING FRAMED WALL

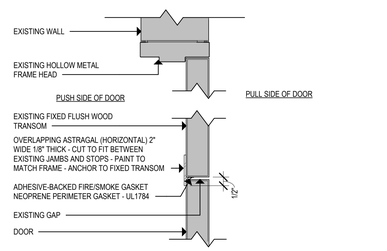


HM - 2

NEW CMU WALL- FOR WALL TYPE AND RATING REQUIREMENTS SEE FLOOR PLANS



GLAZING SCHEDULE	
2	CLEAR, TEMPERED
5	CLEAR, LAMINATED
10	INSUL., CLEAR, TEMPERED
17	INSUL., TINTED, LAMINATED
23	INSULATED, TINTED, BLAST RESISTANT



A FLUSH TRANSOM SMOKE SEAL DETAIL

3" = 1'-0"

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title: BUILDING 6 - DOOR SCHEDULE

Project Phase: ISSUED FOR BID - 11/03/2025

State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025

Scale: As indicated

Drawn By: B

FINISH ABBREVIATION LEGEND

FLOORING:
- CPT -CARPET TILE
- EFP -EPOXY FLOOR PAINT
- EM -ENTRANCE MAT
- ETR -EXISTING TO REMAIN
- KSF -KITCHEN SAFETY FLOORING
- LVT -LUXURY VINYL TILE
- PFT -PORCELAIN FLOOR TILE
- RBF -RUBBER TILE FLOORING
- RST -RUBBER STAIR TREAD
- SDT -STATIC DISSAPATIVE TILE
- SC -SEALED CONCRETE
- ST -STONE
- WOM -WALK OFF MAT

COATINGS:
- EFP -EPOXY FLOOR PAINT
- STN -STAIN

BASE:
- CWB -CERAMIC WALL BASE
- PWB -PORCELAIN WALL BASE
- RB -RUBBER BASE
- WB -WOOD BASE

WALLS:
- AWP -ACOUSTIC WALL PANEL
- CWT -CERAMIC WALL TILE
- DWG -DIGITAL WALL GRAPHIC
- EP -EPOXY PAINT
- IRP -IMPACT RESISTANT PANEL
- PT -PAINT
- PWT -PORCELAIN WALL TILE
- TGP -TEXTURED GYPSUM PANEL
- WC -WALLCOVERING
- WM -WALL MIRRORS
- WWP -WOOD WALL PANEL

MILLWORK:
- PL -PLASTIC LAMINATE
- SAF -SURFACING ARCHITECTURAL FILM
- SS -SOLID SURFACE

CEILING:
- ACC -ACOUSTIC CEILING CLOUD
- ACP -ACOUSTIC CEILING PANEL
- ACT -ACOUSTIC CEILING TILE
- ES -EXPOSED STRUCTURE

MISCELLANEOUS:
- CURT -CURTAIN
- CG -CORNER GUARD
- CM -CROWN MOULDING
- DWF -DIGITAL WINDOW FILM
- M/TB(X) -MARKERBOARD/ TACKBOARD COMBO UNIT
- TB -TACKBOARD
- TS -TACK SURFACE
- MB -MARKERBOARD
- MW -MOVABLE WALL
- RS -ROLLER SHADE
- FTS -FLOOR TRANSITION
- WT -WOOD TRIM

FINISH SCHEDULE

No.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	SOUTH WALL FINISH	EAST WALL FINISH	WEST WALL FINISH	CEILING FINISH	Remarks
100-6	VESTIBULE	WOM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	RFI 6
101-6	LOBBY	LVT-1,2,7/ RST-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6/ PTD GYP. BD.	
102-6	SECURITY	CPT-1	RB-1	-	PT-1	-	-	ACT-1	
103-6	NOT USED			-	-	-	-	-	
104-6	BIOLOGY LAB.	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	RFI 6
105-6	GREEN HOUSE	EP-3	ETR	ETR	ETR	ETR	ETR	-	
106-6	PREP. ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
107-6	CHEMISTRY LAB.	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
108-6	EARTH SCIENCE LAB.	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
109-6	PREP. ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
110	TLT ROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
111	CUSTODIAN	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
112-6	GIRLS	EP-3	EP-3	ETR	ETR	ETR	ETR	ETR	
113-6	BOYS	EP-3	EP-3	ETR	ETR	ETR	ETR	ETR	
114-6	KITCHEN	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
115-6	STORAGE	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
116-6	MULTI-PURPOSE CAFETERIA	LVT-1/ETR	RB-1	PT-1/PT-9 PTD ETR WD	PT-1/PT-9 PTD ETR WD	PT-1/PT-9 PTD ETR WD	PT-1/PT-9 PTD ETR WD	ETR/ PTD GYP. BD.	ETR WOOD WAINSCOTTING TO BE PAINTED PT-9; WALL ABOVE TO BE PAINTED PT-1
117-6	STORAGE	LVT-11	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
118-6	STORAGE	LVT-11	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
119-6	SPEECH LANGUAGE OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
120-6	WORLD LANGUAGE OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
121-6	WORLD LANGUAGE OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ETR	
122-6	SPECIAL EDUCATION CLASSROOM	ETR	ETR/ RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1/ PTD GYP. BD.	
123-6	BOOK STORAGE	ETR	ETR/ RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1/ PTD GYP. BD.	
124-6	MATH INTERVENTION	ETR	ETR/ RB-3	PT-1	PT-1	PT-1	PT-1	ACT-1/ PTD GYP. BD.	
125-6	WORLD LANGUAGE CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR/ PTD GYP. BD.	
126-6	WORLD LANGUAGE CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR/ PTD GYP. BD.	RFI 6 & 7
127-6	PHYSICS LAB	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
128-6	PREP. ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
129-6	STORAGE	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-6	
130-6	ALL-GENDER	PFT-1	CWB-1	EP-2	EP-2	EP-2	EP-2	ACT-5	
131-6	STORAGE	EFP-1	RB-1	EP-1	EP-1	EP-1	EP-1	ACT-6	
132-6	SECRETARY	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
133-6	ASSIST. PRINCIPAL	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
134-6	HALL	LVT-2, RST-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6/ PTD GYP. BD.	
135-6	CONFERENCE RM. 1	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6/ PTD GYP. BD.	
136-6	CONFERENCE RM. 2	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-/ PTD GYP. BD.	
137-6	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
138-6	MATH OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
139-6	MATH CLASSROOM	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
139.1-6	CLOSET								RFI 6
140-6	MATH CLASSROOM	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-6	
140.1-6	CLOSET								
141-6	VESTIBULE	WOM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
142-6	MATH CLASSROOM	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
142.1-6	CLOSET								
143-6	MATH CLASSROOM	LVT-1,2,7	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
144-6	GIRLS	PFT-1	CWB-1	CWT-1/ EP-2	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
145-6	SPRINKLER	EFP-1	-	EP-1	EP-1	EP-1	EP-1	ACT-2	
146-6	BOYS	PFT-1	CWB-1	CWT-1/ EP-2	CWT-1/EP-2	CWT-1/EP-2	CWT-1/EP-2	ACT-2	
150-6	CORRIDOR	LVT-1,2,7	RB-1	PT-2	PT-2	PT-2, PT-7	PT-2, PT-7	ACT-1	REFER TO FLOOR PATTERN PLAN FOR PT-7 ACCENT WALLS
151-6	CORRIDOR	ETR	ETR/ RB-5	ETR/PT-2, PT-7	ETR/PT-2, PT-7	ETR/PT-2	ETR/ PT-2	ETR/ PTD GYP. BD.	REFER TO FLOOR PATTERN PLAN FOR PT-7 ACCENT WALLS
200-6	ENGLISH CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
201-6	READING INTERVENTION	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
202-6	SOCIAL STUDIES CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
203-6	SOCIAL STUDIES CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
204-6	SOCIAL STUDIES CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
205-6	SOCIAL STUDIES CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
206-6	FACILITY WORK ROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
206A-6	CLOSET	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
207-6	GIRLS	EP-3	EP-3	ETR	ETR	ETR	ETR	ETR	
208-6	BOYS	EP-3	EP-3	ETR	ETR	ETR	ETR	ETR	
209-6	ENGLISH CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
210-6	DATA	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
211-6	ENGLISH CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
212-6	SPECIAL EDUCATION	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
213-6	ENGLISH CLASSROOM	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
250-6	CORRIDOR	LVT-1,2,7	RB-1/ RB-5	PT-2, PT-7	PT-2, PT-7	PT-2	PT-2	ETR	WRAP BASE AROUND METAL COLUMN ENCLOSURES AS WELL
B01-6	HALL	N/A							
B02-6	STORAGE	N/A							
B03-10	ELEVATOR MACHINE ROOM	N/A							
B04-6	MECHANICAL ROOM	N/A							
B05-6	PUMP ROOM	N/A							
B06-6	ELECTRICAL ROOM	N/A							
S1-6	STAIR S1	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	
S2-6	STAIR S2	ETR	ETR	PT-1	PT-1	PT-1	PT-1	ETR	

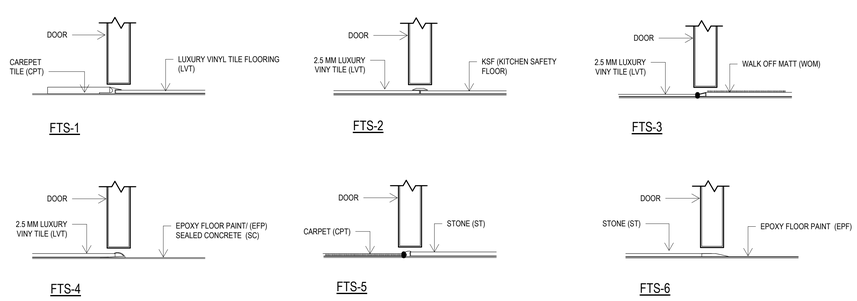
GENERAL NOTE:
- CONTRACTOR SHALL PATCH / REPAIR ALL EXISTING WALLS TO REMAIN TO PROVIDE SMOOTH FINISH SUITABLE FOR LEVEL 4 PAINTABLE FINISH.
- REFER TO FINISH SCHEDULE AND PROJECT MANUAL.

(MB-X) MARKERBOARD/ TACKBOARD/ PEGBOARD SCHEDULE (MB/TB/PB)

TAG	DESCRIPTION	QUANTITY
MB/TB-1	MARKERBOARD/ TACKBOARD COMBO; SIZE 4'X 8'	SEE FLOOR PLANS FOR QUANTITY
MB/TB-2	MARKERBOARD/ TACKBOARD COMBO; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
MB-1	MARKERBOARD; SIZE 4'X 4'	SEE FLOOR PLANS FOR QUANTITY
MB-2	MARKERBOARD; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
TB-1	TACKBOARD; SIZE 4'X 6'	SEE FLOOR PLANS FOR QUANTITY
TB-2	TACKBOARD; SIZE 4'X 4'	SEE FLOOR PLANS FOR QUANTITY
PB-1	PEGBOARD; SIZE 4'X 4'	SEE FLOOR PLANS FOR QUANTITY
PB-2	PEGBOARD; SIZE 4'X 8'	SEE FLOOR PLANS FOR QUANTITY

GENERAL NOTES:
-FOR LOCATIONS REFER TO DRAWINGS A110 THROUGH A140
-FOR TYPICAL MOUNTING HEIGHTS AND LOCATIONS, REFER TO INTERIOR ELEVATIONS
-REFER TO SECTION 101100 AND 0900000 SCHEDULE OF FINISHES FOR ADDITIONAL INFORMATION

2 MB/TB/PB SCHEDULE
12" = 1'-0"



1 FLOOR TRANSITIONS
3" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

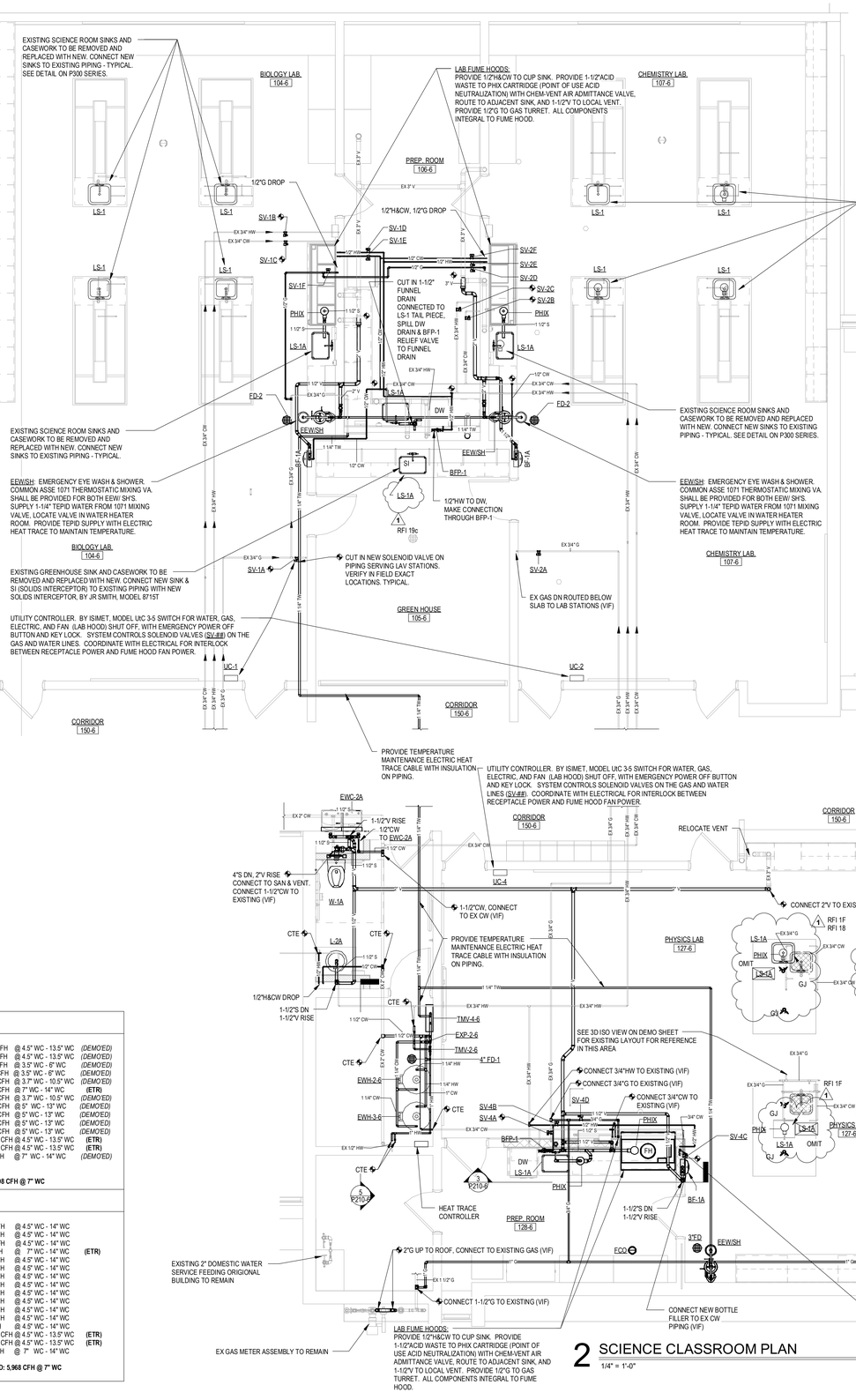
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

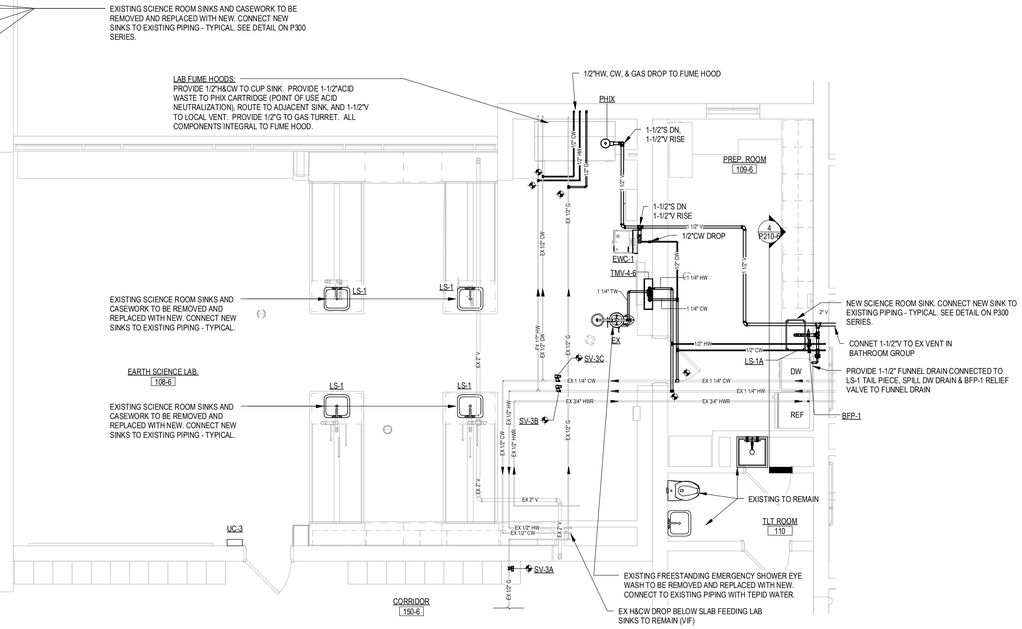
Drawing Title: BUILDING 6 - FINISH SCHEDULE
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: KD
Project Number: 22.050

Drawing Number: A960-6

1/9/2026 9:03:21 AM





SOLENOID VALVE SIZE CHART			
UC-1	CW	HW	GAS
SV-1A	-	-	3/4"
SV-1B	-	1/2"	-
SV-1C	1/2"	-	-
SV-1D	-	1/2"	-
SV-1E	1/2"	-	-
SV-1F	-	-	1/2"
UC-2	-	-	-
SV-2A	-	-	3/4"
SV-2B	3/4"	-	-
SV-2C	-	3/4"	-
SV-2D	-	-	1/2"
SV-2E	-	1/2"	-
SV-2F	1/2"	-	-
UC-3	-	-	-
SV-3A	-	-	1/2"
SV-3B	-	1/2"	-
SV-3C	1/2"	-	-
UC-4	-	-	-
SV-4A	-	-	3/4"
SV-4B	-	1/2"	-
SV-4C	3/4"	-	-
SV-4D	-	-	3/4"

UC-# = UTILITY CONTROLLER
SV-## = SOLENOID VALVE

EXISTING GAS DEMANDS:				
•	EX RTU-1	= 45 CFH	@ 4.5" WC - 13.5" WC	*(DEMO'ED)*
•	EX RTU-2	= 70 CFH	@ 4.5" WC - 13.5" WC	*(DEMO'ED)*
•	EX ERU-1	= 150 CFH	@ 3.5" WC - 6" WC	*(DEMO'ED)*
•	EX MAU-1	= 250 CFH	@ 3.5" WC - 6" WC	*(DEMO'ED)*
•	EX RTU-3	= 135 CFH	@ 3.7" WC - 10.5" WC	*(DEMO'ED)*
•	EX RTU-4	= 80 CFH	@ 7" WC - 14" WC	**(ETR)**
•	EX RTU-5	= 135 CFH	@ 3.7" WC - 10.5" WC	*(DEMO'ED)*
•	EX B-1	= 167 CFH	@ 5" WC - 13" WC	*(DEMO'ED)*
•	EX B-2	= 167 CFH	@ 5" WC - 13" WC	*(DEMO'ED)*
•	EX B-3	= 167 CFH	@ 5" WC - 13" WC	*(DEMO'ED)*
•	EX B-4	= 167 CFH	@ 5" WC - 13" WC	*(DEMO'ED)*
•	EX B-5	= 2,000 CFH	@ 4.5" WC - 13.5" WC	**(ETR)**
•	EX B-6	= 2,000 CFH	@ 4.5" WC - 13.5" WC	**(ETR)**
•	SCI LABS	= 65 CFH	@ 7" WC - 14" WC	*(DEMO'ED)*

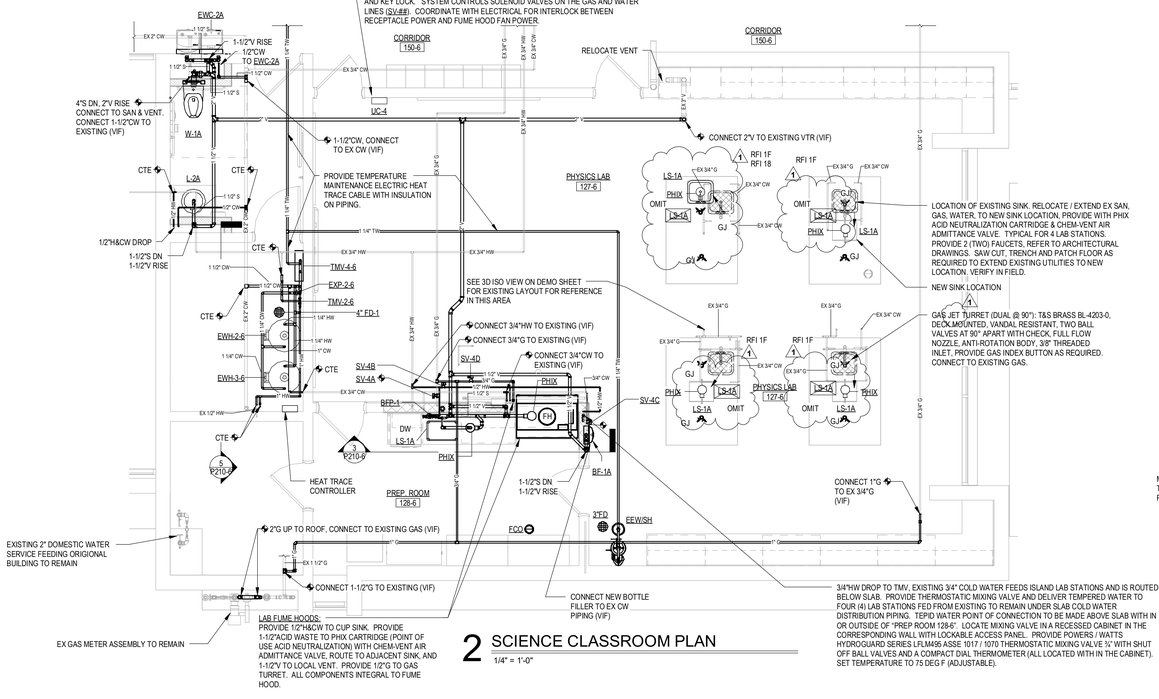
TOTAL EXISTING LOAD: 5,598 CFH @ 7" WC

NEW GAS DEMANDS:				
•	RTU 1-6	= 80 CFH	@ 4.5" WC - 14" WC	
•	RTU 2-6	= 108 CFH	@ 4.5" WC - 14" WC	
•	HVU-1	= 200 CFH	@ 4.5" WC - 14" WC	
•	EX RTU-4	= 80 CFH	@ 7" WC - 14" WC	**(ETR)**
•	RTU 4-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 5-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 6-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 7-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 8-6	= 250 CFH	@ 4.5" WC - 14" WC	
•	RTU 9-6	= 200 CFH	@ 4.5" WC - 14" WC	
•	RTU 10-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 11-6	= 150 CFH	@ 4.5" WC - 14" WC	
•	RTU 12-6	= 80 CFH	@ 4.5" WC - 14" WC	
•	EX B-5	= 2,000 CFH	@ 4.5" WC - 13.5" WC	**(ETR)**
•	EX B-6	= 2,000 CFH	@ 4.5" WC - 13.5" WC	**(ETR)**
•	SCI LABS	= 70 CFH	@ 7" WC - 14" WC	

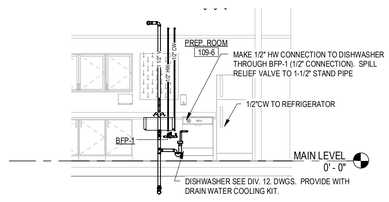
TOTAL CONNECTED DEMAND: 5,968 CFH @ 7" WC

ETR = EXISTING TO REMAIN

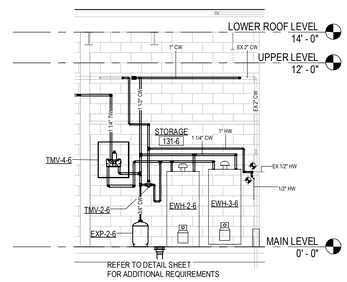
1 SCIENCE CLASSROOM PLANS
1/4" = 1'-0"



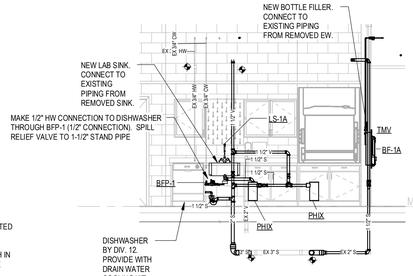
2 SCIENCE CLASSROOM PLAN
1/4" = 1'-0"



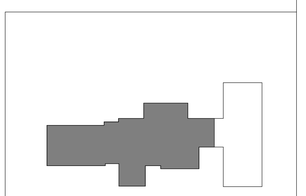
4 SECTION THROUGH PREP ROOM 109-6
1/4" = 1'-0"



5 WATER HEATER SECTION
1/4" = 1'-0"



3 SECTION THROUGH PREP ROOM 128-6
1/4" = 1'-0"



Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
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203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MPB

Drawing Title:
BUILDING 6 - FIRST FLOOR PLAN
SCIENCE CLASSROOMS

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: MPB/JES
Project Number: 22.050

Drawing Number: P210-6

1/9/2026 2:02:17 PM

COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR								CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR							COMMMENTS
		1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HS82WP			
W ▶	Wall Phone Outlet	1		1			1			1	1		1				Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1					Mounting Height 18" AFF unless otherwise noted.
1V1D ▶	1 Voice - 1 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
1V2D ▶	1 Voice - 2 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
#V #D ▶	Floor Box						A/R			A/R	A/R	1					Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP (H)	Wireless Access Point Ceiling Mounted									2	2			1			Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans - Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
AP ▶	Wireless Access Point Wall Mounted	1		1			1			2	2			1			
MON ▷	1 Data Outlet For Monitor				1		1			1	1						Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES:

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS APS = ORANGE
   D. SECURITY CAMERAS = BLACK

1

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
S	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	12" SQ., Wall Mounted Speaker - Refer to Specification for Product Description	Mount 8' AFF unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					12" Clock Unless Otherwise Noted on Plans. 16" = 16" Clock - Refer to Specification for Product Description	Mount 8' AFF unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #25LVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Speaker / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR									CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR										COMMENTS
			1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX	1-1/2" C		CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6' PATCH CABLE	BELDEN #6924UJ COMPOSIT CABLE, 4 PAIR, 24AWG, 18-6C SHLD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM		
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1										1								
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1						2							DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1				1	A/R													REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD". REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1					1				1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR INTERCOM.
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1						1							1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICM'S, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1			1										1					
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1			1												1			
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1			1												1			
	DURESS BUTTON	SENTROL UL RATED #3050																	2			PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300															1					MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED.CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1				1												2			MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1				1											1				MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN.
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1				1					1						1				MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1								1					
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1		1											1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1		1											1				
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1			1											1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 6" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS

- 1 / T301 — DETAIL NUMBER / DETAIL/PLAN IDENTIFIER / SHEET NUMBER
- 1 / T301 — DETAIL NUMBER / SECTION IDENTIFIER / SHEET NUMBER
- 1 / T301 — DETAIL NUMBER / ELEVATION IDENTIFIER / SHEET NUMBER
- 1 — DRAWINGS KEYNOTE NOTE TAG
- 1 — EQUIPMENT NOTE TAG
- CONDUIT SLEEVE - THROUGH CEILING TO ABOVE FLOOR
- CONDUIT SLEEVES - THROUGH FLOOR TO BELOW FLOOR
- CONDUIT SLEEVES - HORIZONTAL

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

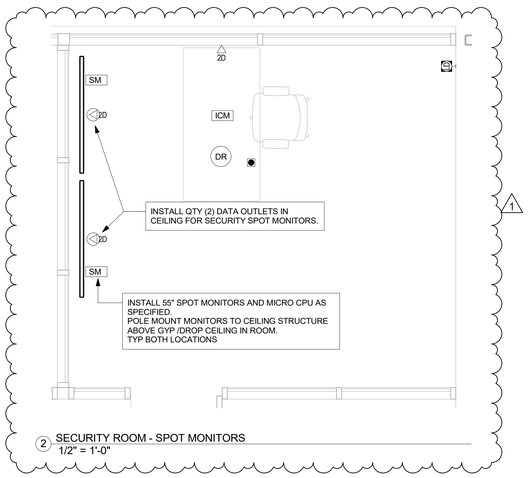
Drawing Title: TECH - AV - SEC BUILDING 6 - KEY LEGEND & GENERAL NOTES
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: Author
Project Number: 22.050
Drawing Number: T001-6

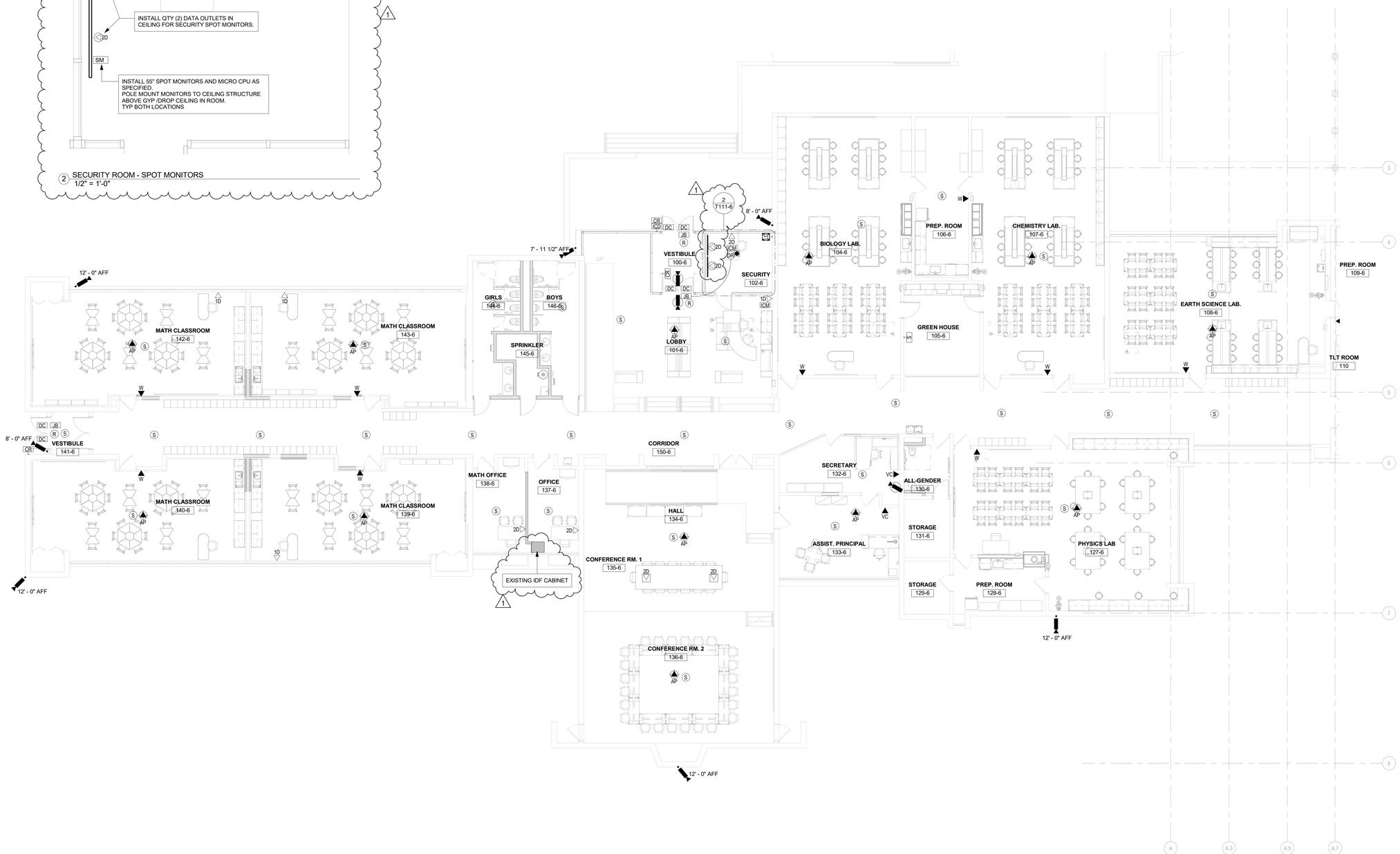
1/8/2026 8:10:42 AM

GENERAL NOTES

1. ALL NEW ETHERNET CABLING SHOWN SHALL BE TERMINATED ONTO NEW CATEGORY 6A TERMINATION DEVICES ON EACH END AND SHALL TERMINATE TO THE NEAREST DATA ROOM.
2. REFER TO ELECTRICAL PLANS FOR ALL SURFACE MOUNTED RACEWAY REQUIRED FOR NEW ETHERNET CABLING.
3. NEW PUBLIC ADDRESS WALL MOUNTED CABINET SHALL BE INSTALLED INTO THE EXISTING DATA ROOM.



2 SECURITY ROOM - SPOT MONITORS
1/2" = 1'-0"



1 MAIN LEVEL - PART A
1/8" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - AV - SEC BUILDING 6 - MAIN LEVEL FLOOR PLAN - PART A
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

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Project Number: 22.050

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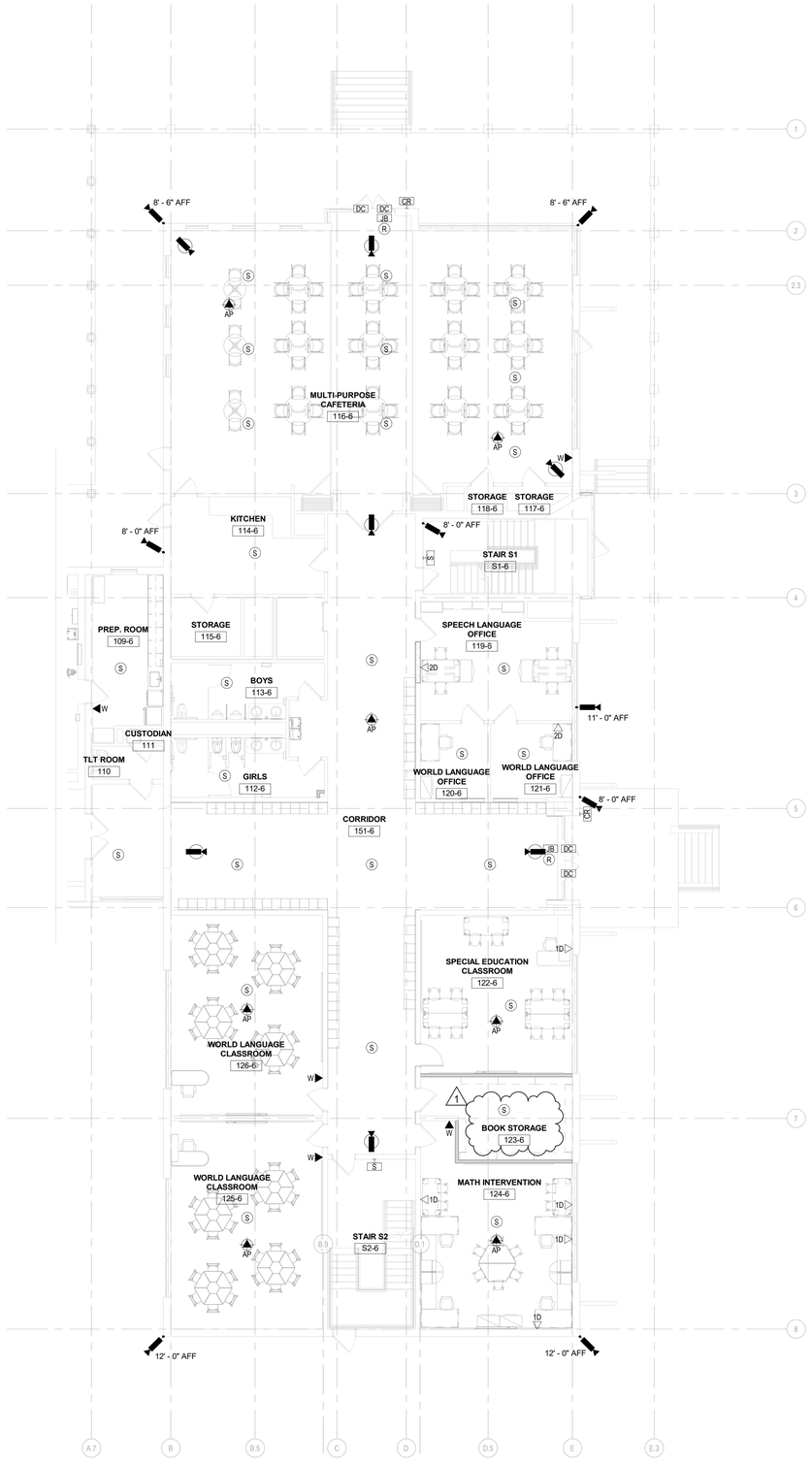
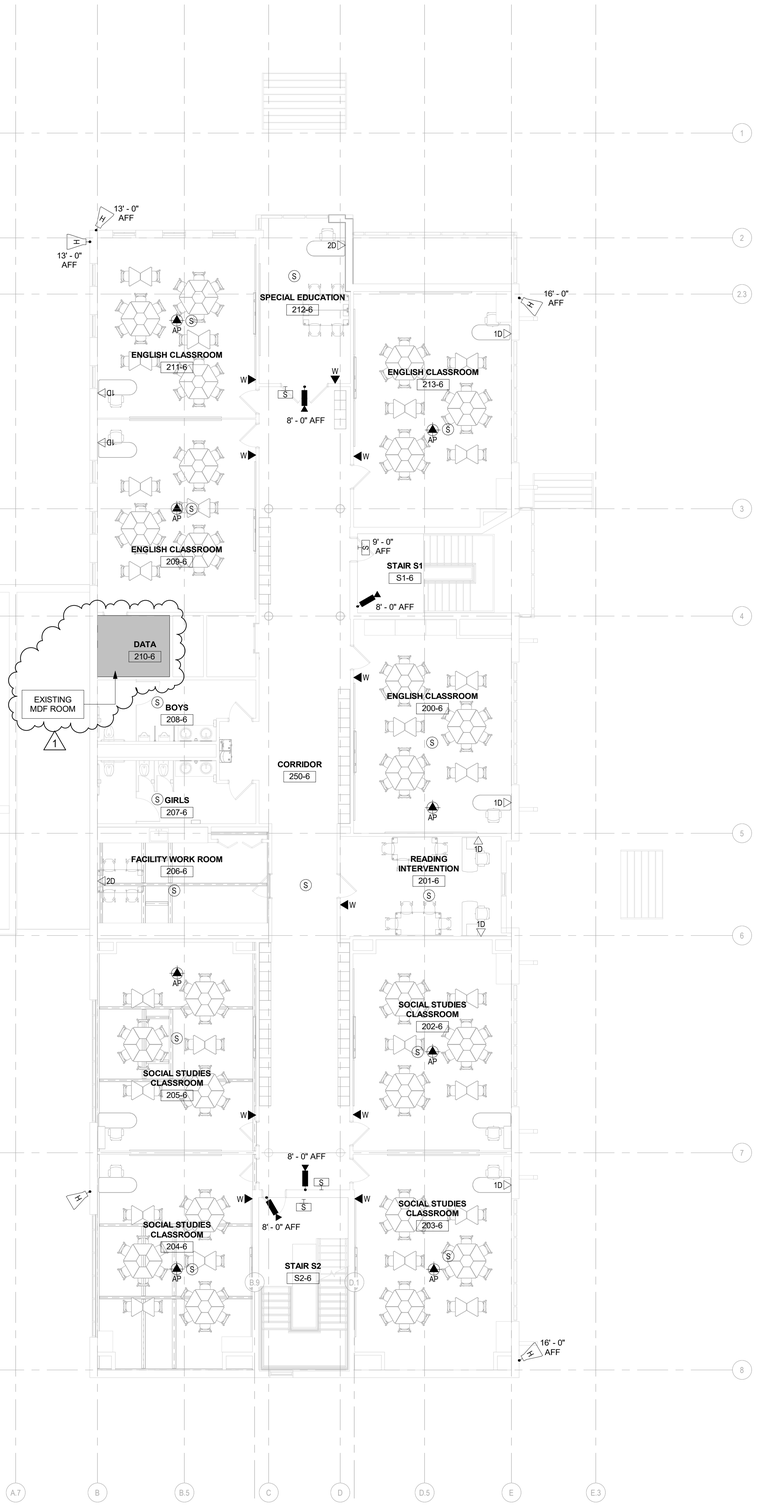


1 MAIN LEVEL - PART B
1/8" = 1'-0"



2 UPPER LEVEL - PART B
1/8" = 1'-0"

Project Title:

ALTERATIONS TO:
ACES at Chase
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Drawing Title:
TECH - AV - SEC BUILDING 6 - MAIN & UPPER LEVEL FLOOR PLAN - PART B

Project Phase:
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Date:
AUGUST 12, 2025

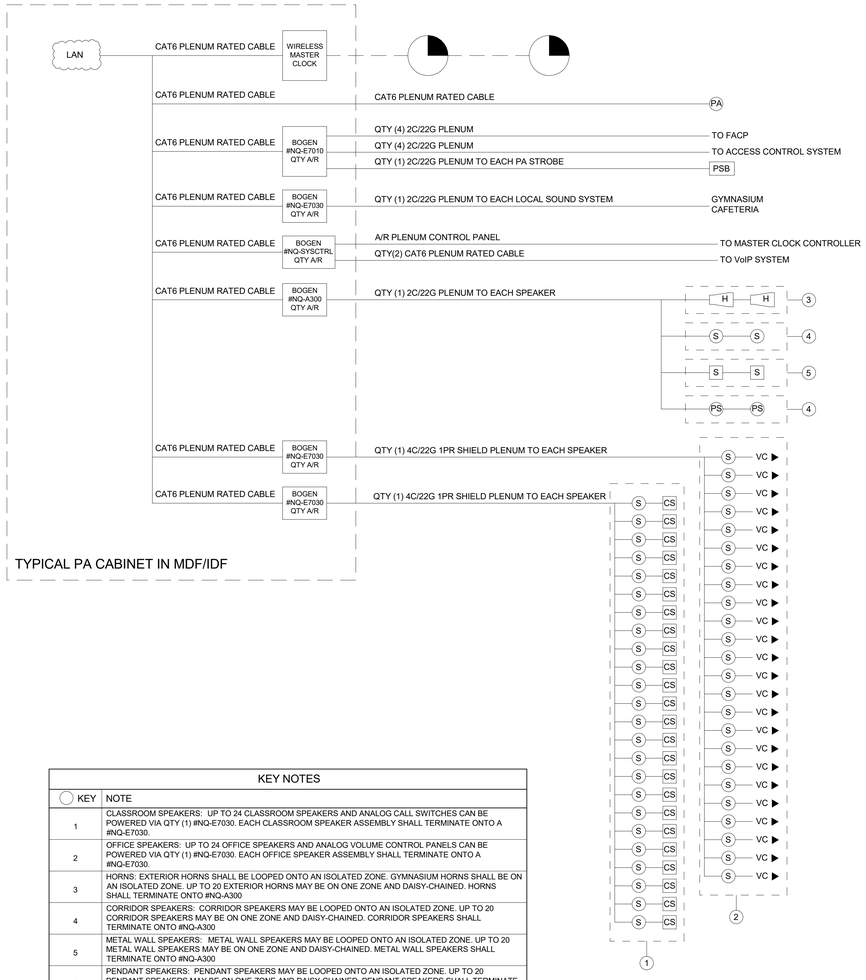
Scale:
1/8" = 1'-0"

Drawn By:
Author

Project Number:
22.050

Drawing Number:
T112-6

10/9/2026 8:17:38 AM



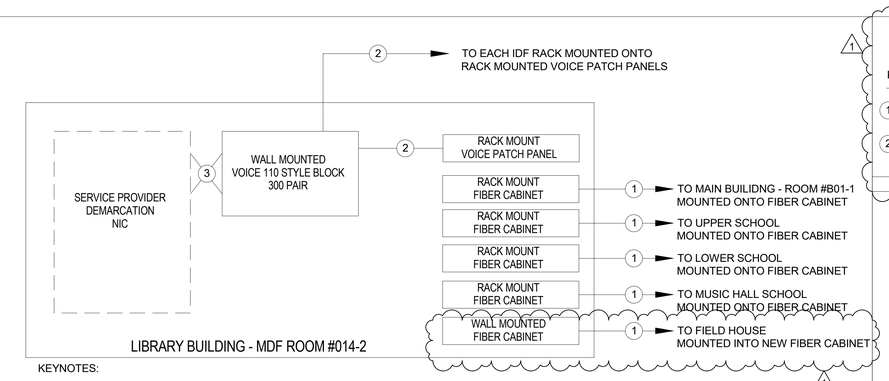
TYPICAL PA CABINET IN MDF/IDF

KEY NOTES	
KEY	NOTE
1	CLASSROOM SPEAKERS: UP TO 24 CLASSROOM SPEAKERS AND ANALOG CALL SWITCHES CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH CLASSROOM SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
2	OFFICE SPEAKERS: UP TO 24 OFFICE SPEAKERS AND ANALOG VOLUME CONTROL PANELS CAN BE POWERED VIA QTY (1) #NQ-E7030. EACH OFFICE SPEAKER ASSEMBLY SHALL TERMINATE ONTO A #NQ-E7030.
3	HORNS: EXTERIOR HORNS SHALL BE LOOPED ONTO AN ISOLATED ZONE. GYMNASIUM HORNS SHALL BE ON AN ISOLATED ZONE. UP TO 20 EXTERIOR HORNS MAY BE ON ONE ZONE AND DAISY-CHAINED. HORNS SHALL TERMINATE ONTO #NQ-A300
4	CORRIDOR SPEAKERS: CORRIDOR SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 CORRIDOR SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. CORRIDOR SPEAKERS SHALL TERMINATE ONTO #NQ-A300
5	METAL WALL SPEAKERS: METAL WALL SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 METAL WALL SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. METAL WALL SPEAKERS SHALL TERMINATE ONTO #NQ-A300
6	PENDANT SPEAKERS: PENDANT SPEAKERS MAY BE LOOPED ONTO AN ISOLATED ZONE. UP TO 20 PENDANT SPEAKERS MAY BE ON ONE ZONE AND DAISY-CHAINED. PENDANT SPEAKERS SHALL TERMINATE ONTO #NQ-A300

GENERAL NOTES

1. ALL PUBLIC ADDRESS CABLING FOR DEVICES SHALL BE CABLED TO THE DATA ROOMS AS INDICATED ON THE CABLE DECLINATIONS FOR LOW VOLTAGE CABLING.
2. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSES ONLY. CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
3. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION, SEQUENCE OF OPERATION AND OF WIRING.
4. FOR MICROPHONE CABLE RUNS, MAINTAIN A CLEARANCE OF A MINIMUM OF 12" FROM CONDUIT AND CABLES USED FOR ELECTRICAL POWER DISTRIBUTION. WHERE THIS IS NOT FEASIBLE, CROSS HIGHER VOLTAGE LINES PERPENDICULARLY.
5. ALL PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING MATERIAL.
6. SPEAKER CONDUCTORS INSTALLED IN ROOMS OF INSTRUCTION AND OFFICES SHALL BE ONE CONTINUOUS HOME RUN TO THE CENTRAL CONTROL RACK NO SPLICES SHALL BE ALLOWED.
7. THIS RISER DIAGRAM IS SHOWN AS REFERENCE TO INDICATE LOOPING AND ZONING REQUIREMENTS, ACTUAL QUANTITIES MUST BE CONFIRMED BY THE BIDDING CONTRACTOR AND BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS, T-SERIES.
8. PA SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 2010 OR THE MOST CURRENT FIRE CODE STANDARD ADOPTED BY THE STATE OF CONNECTICUT.
9. THE FIRE ALARM CONNECTION WITH THE PA SYSTEM SHALL BE COORDINATED WITH OWNER, FIRE ALARM INSTALLER, SECURITY CONSULTANT, AND PA DESIGNER.
10. PRIORITY OVERRIDE LOADS IN EACH INTERACTIVE DISPLAY LOCATION MUST BE CALCULATED INTO THE PUBLIC ADDRESS AMPLIFIER LOADS.
11. A 1 WATT REPEATER SHALL BE INCLUDED IN EACH DATA CLOSET FOR THE WIRELESS CLOCK SYSTEM.
12. ALL EXTERIOR HORNS SHALL BE ON AN ISOLATED ZONE AND CAPABLE OF BEING PROGRAMMED TO ONLY ENGAGE DURING BUS OR EMERGENCY ANNOUNCEMENTS.
13. ALL LAN CONNECTIONS SHOWN ON THE TYPICAL WIRING DIAGRAM SHALL TERMINATE ONTO THE REAR OF 19" CATEGORY 6 RATED PATCH PANELS MOUNTED IN THE TWO/FOUR POST RACKS AS SHOWN ON THE MDF/IDF TECHNOLOGY DETAILS.
14. REFER TO PUBLIC ADDRESS SPECIFICATION FOR ALL REQUIRED LICENSES.
15. NETWORK ELECTRONICS (NETWORK SWITCHES) WILL BE OWNER FURNISHED IN A LATER PHASE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THIS PROJECT TO ADVISE THE OWNER ON IP ADDRESSING, CREATION OF VLANS, AND TO FURNISH THE CONFIGURATION REQUIRED FOR A FULLY FUNCTIONAL PUBLIC ADDRESS SYSTEM ON THE OWNER'S LAN. THE CONTRACTOR SHALL INCLUDE WORK HOURS REQUIRED TO CONFIGURE THIS SYSTEM WITH THE OWNER AFTER SUBSTANTIAL COMPLETION OF THE CONSTRUCTION PROJECT WHEN THE SWITCHES ARE FURNISHED AND INSTALLED.

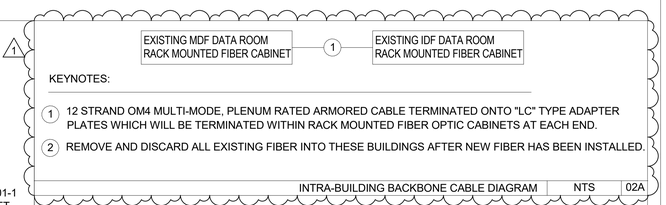
PUBLIC ADDRESS SYSTEM | NTS | 01



KEYNOTES:

1. 12 STRAND OS2 SINGLE-MODE FIBER OPTIC EXTERIOR RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FIBER CABLING SHALL NOT EXTEND MORE THAN 50FT INTO ANY BUILDING WITHOUT BEING INSTALLED WITHIN CONDUIT OR TRANSITIONED TO INDOOR, PLENUM RATED CABLING.
2. 25 PAIR CATEGORY 3 RATED PLENUM CABLE FROM 300 PAIR 110 STYLE WALL MOUNTED BLOCK AT THE SERVICE PROVIDERS DEMARC AND TERMINATED ONTO 110 STYLE 24 PORT, RACK MOUNTED PATCH PANELS IN EQUIP. RM B01-1 & EACH OTHER DATA ROOM ON RACK MOUNTED PANELS, TERMINATE EACH PAIR OF THE COPPER RISER CABLES ON THE BLUE PAIR (PR 1) OF EACH PORT OF THE PATCH PANELS. COIL THE 25TH PAIR (VIOLET/SLATE) AT THE PATCH PANEL END OF EACH CABLE FOR REPAIR OR FUTURE USE
3. CROSS CONNECT A MINIMUM OF 300 PAIRS BETWEEN THE SERVICE PROVIDERS DEMARCATION BLOCK AND THE 110 STYLE BLOCKS.
4. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED. 1

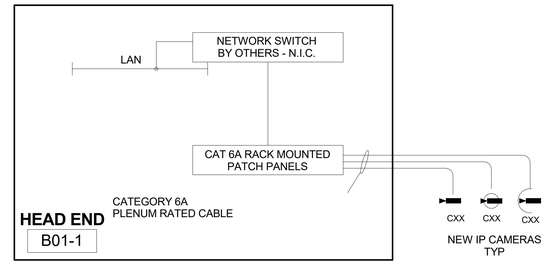
INTERBUILDING BACKBONE CABLE DIAGRAM | NTS | 02



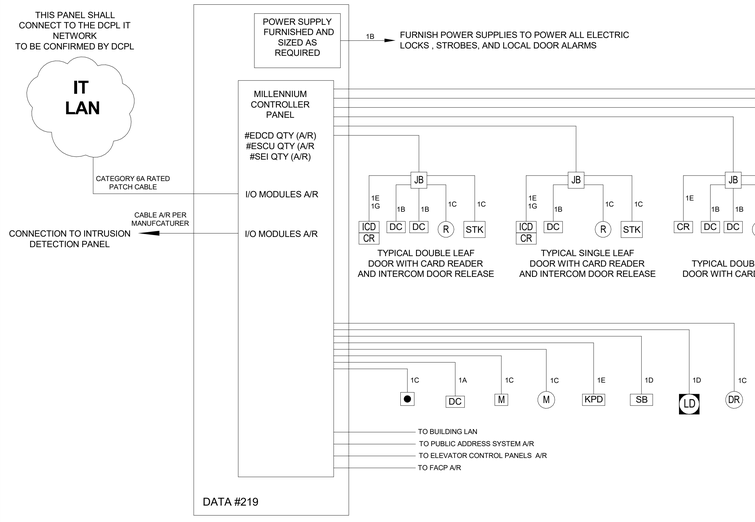
KEYNOTES:

1. 12 STRAND OM4 MULTI-MODE, PLENUM RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH END.
2. REMOVE AND DISCARD ALL EXISTING FIBER INTO THESE BUILDINGS AFTER NEW FIBER HAS BEEN INSTALLED.

INTRA-BUILDING BACKBONE CABLE DIAGRAM | NTS | 02A

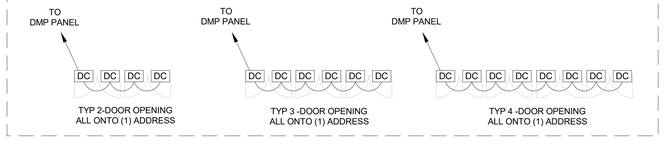


VIDEO SURVEILLANCE TOPOLOGY DIAGRAM | NTS | 03



DESIGNATION	WIRE TYPE
1A	#22 - 2C PLENUM
1B	#22 - 4C PLENUM
1C	#14 - 4C PLENUM
1D	#18 - 4C PLENUM
1E	#18 - 6C SHLD PLENUM
1G	CAT 6 PLENUM CABLE
1H	CAT 6 PATCH CABLE
1J	#18-2C SOLID CONDUCTOR
1K	#22-6C PLENUM
1L	#18 - 2C INDOOR/OUTDOOR
1M	#14 - 2C INDOOR/OUTDOOR

TYPICAL MULTIPLE-DOOR POSITION SWITCH CABLING



NOTES:

1. QTY OF ENHANCED DOOR CONTROLLERS AND ENHANCED SITE CONTROLLERS SHALL BE PER CARD READER QUANTITIES ON PLANS. ALL REQUIRED CONTROL CABLING FROM THE DATA ROOMS TO EACH ACCESS CONTROL DEVICE IS REQUIRED AS PART OF HIS BID MANUAL.
2. QUANTITY OF ACCESS CONTROL MODULES AS REQUIRED IN EACH DATA ROOM.
3. INTERCOM DOOR RELEASE SYSTEM SHALL RELEASE THE DOOR FROM THE DMP PANEL.
4. STROBES SHALL BE ENGAGED UPON ACTIVATION OF LOCKDOWN BUTTON.
5. DOORS WITH LOCAL DOOR ALARMS SHALL SOUND WHEN DOORS ARE OPENED.
6. DOORS WITH LOCAL DOOR ALARMS AND KEY SWITCHES SHALL BE CONFIGURED FOR THE KEY SWITCH TO OVERRIDE THE LOCAL ALARM WHEN ENGAGED. ALL KEY SWITCHES SHALL BE KEYED ALIKE.
7. DOORS WITH LOCAL DOOR ALARMS AND CARD READERS SHALL BE CONFIGURED SO CARD READER BYPASSES LOCAL ALARM.
8. ALL ZONE EXPANDERS SHALL BE LOCATED WITHIN THE DATA ROOMS.
9. ALL ZONE EXPANDERS MUST CONNECT VIA A #22-6C PLENUM RATED CABLE. THIS INCLUDES CONNECTIVITY OF ZONE EXPANDERS BETWEEN ALL DATA ROOMS AND THE SERVER ROOM.
10. ALL ENCLOSURES, CABLING, TERMINATIONS, CONFIGURATION AND FINAL TESTING IS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
11. THE ACCESS CONTROLLED DOOR SHALL INTEGRATE WITH THE DISTRICT ACCESS CONTROL SERVER.
12. DMP PANEL SHALL INTEGRATE WITH AVIGILON VIDEO SURVEILLANCE SYSTEM TO MONITOR DOOR PROPPING IN REAL TIME OVER THE AVIGILON MAP FEATURE.

EXPANSION MODULES CABLE DISTANCES BASED UPON CURRENT DRAW AND CABLE GAUGE (IF USING SHIELDED CABLE, DIVIDE THESE VALUES IN HALF)

TOTAL LOAD (MA @ 11.5 VDC)	22 AWG	20 AWG	18 AWG	16 AWG
1-8 MA	12,000 FEET	12,000 FEET	12,000 FEET	12,000 FEET
9-16 MA	7,270 FEET	11,710 FEET	12,000 FEET	12,000 FEET
17-24 MA	4,850 FEET	7,810 FEET	12,000 FEET	12,000 FEET
25-32 MA	3,640 FEET	5,850 FEET	9,260 FEET	12,000 FEET
33-40 MA	2,910 FEET	4,680 FEET	7,410 FEET	11,760 FEET
41-48 MA	2,420 FEET	3,900 FEET	6,170 FEET	9,800 FEET
49-56 MA	2,080 FEET	3,350 FEET	5,290 FEET	8,400 FEET
57-64 MA	1,820 FEET	2,930 FEET	4,630 FEET	7,350 FEET
65-72 MA	1,620 FEET	2,600 FEET	4,110 FEET	6,540 FEET
73-80 MA	1,450 FEET	2,340 FEET	3,700 FEET	5,880 FEET
81-88 MA	1,320 FEET	2,130 FEET	3,370 FEET	5,350 FEET
89-96 MA	1,210 FEET	1,950 FEET	3,090 FEET	4,900 FEET
97-104 MA	1,120 FEET	1,800 FEET	2,850 FEET	4,520 FEET
105-112 MA	1,040 FEET	1,670 FEET	2,650 FEET	4,200 FEET
113-120 MA	970 FEET	1,560 FEET	2,470 FEET	3,920 FEET
121-128 MA	910 FEET	1,460 FEET	2,310 FEET	3,680 FEET

TYPICAL ACCESS CONTROL WIRING DIAGRAM | NTS | 04

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

d'agostino & ASSOCIATES
Technology Security Audio Visual
477 Main Street, Suite 210B | Monroe CT 06468
203.497.3064 da-technology.com

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title: TECH - SEC BUILDING 6 - WIRING DIAGRAMS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: Author
Project Number: 22.050
Drawing Number: T400-6

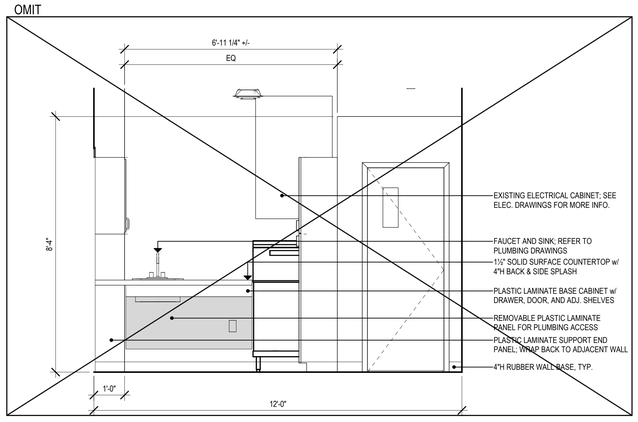
1/8/2026 8:18:32 AM

TOILET ROOM FIXTURES & EQUIPMENT

1	1'-6" x 3'-0" MIRROR (CENTER ON LAV)
2	4'-0" X 3'-6" MIRROR (CENTER ON LAV)
3	WALL-MOUNTED 2-STATION H.C. LAV (2'-10" TO TOP)
4	WALL-MOUNTED H.C. LAV (2'-10" TO TOP)
5	LAV SHIELD (PER LAV MANUF. SPEC.)
6	WALL-MOUNTED H.C. WATER CLOSET (18" TO TOP OF SEAT)
7	WALL-MOUNTED WATER CLOSET (16" TO TOP OF SEAT)
8	FLOOR-MOUNTED WATER CLOSET
9	FLOOR-MOUNTED CHILD WATER CLOSET
10	WALL-MOUNTED H.C. URINAL (17" TO RIM)
11	WALL-MOUNTED URINAL (24" TO RIM)
12	WHEELCHAIR-ACCESSIBLE COMPARTMENT WATER CLOSET GRAB BAR ASSEMBLY
13	AMBULATORY COMPARTMENT GRAB BAR ASSEMBLY
14	TOILET PARTITION w/COAT HOOK
15	URINAL SCREEN
16	SURFACE-MOUNTED H.C. SOAP DISPENSER
17	SURFACE-MOUNTED H.C. PAPER TOWEL DISPENSER (ROLL)
18	SURFACE-MOUNTED PAPER TOWEL DISPENSER (C-FOLD)
19	SEMI-RECESSED H.C. PAPER TOWEL DISPENSER / WASTE RECEPTACLE
20	SURFACE MOUNTED H.C. HAND DRYER
21	SURFACE-MOUNTED H.C. TOILET PAPER DISPENSER
22	RECESSED H.C. TOILET PAPER DISPENSER
23	PARTITION-MOUNTED TOILET PAPER DISPENSER
24	SANITARY NAPKIN VENDOR
25	SANITARY NAPKIN DISPOSAL
26	TOILET SEAT COVER DISPENSER
27	RECESSED-MOUNTED BABY-CHANGING STATION
28	CHILD-PROTECTION SEAT
29	SPECIAL-NEEDS CHANGING STATION
30	SHOWER ROD, HOOKS, AND CURTAIN
31	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED ROLL-IN SHOWER
32	ADA ONE-PIECE FIBERGLASS PRE-FABRICATED TRANSFER SHOWER
33	ADA FOLD-DOWN SHOWER SEAT
34	CALL FOR AID - SEE ELECTRICAL DWGS
35	COAT HOOK
36	CUSTOM 18" VERTICAL GRAB BAR WELDED TO VERTICAL MOUNTING POST
37	SURFACE-MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER
38	FRAMELESS MIRROR; SEE INTERIOR ELEVATION FOR SIZE
39	SEMI-RECESSED (AED) AUTOMATED EXTERNAL DEFIBRILLATOR CABINET w/ STROBE ALARM - STAINLESS STEEL FINISH
40	SURFACE-MOUNTED BABY CHANGING STATION

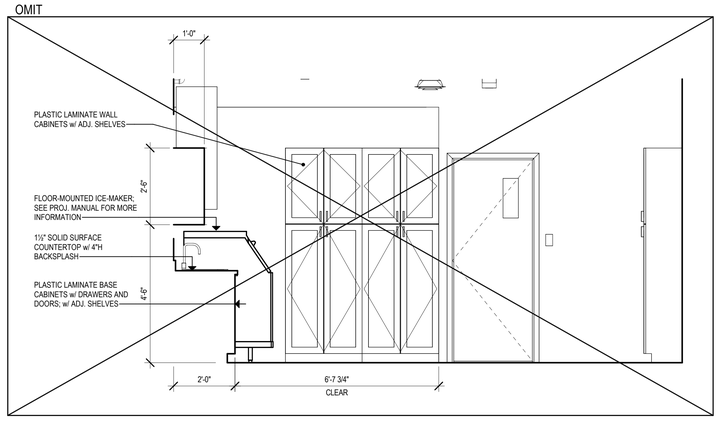
RFI 6

OMIT

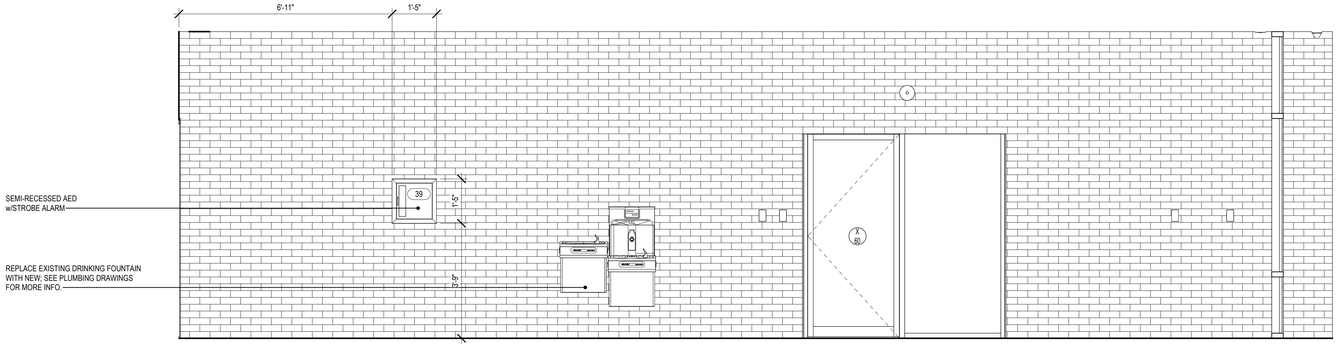


4 STOR. 105-7 - ELEVATION B
1/2" = 1'-0"

OMIT



3 STOR. 105-7 - ELEVATION A
1/2" = 1'-0"



1 LOBBY 102-7 - ELEVATION A
1/2" = 1'-0"

Project Title:
ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

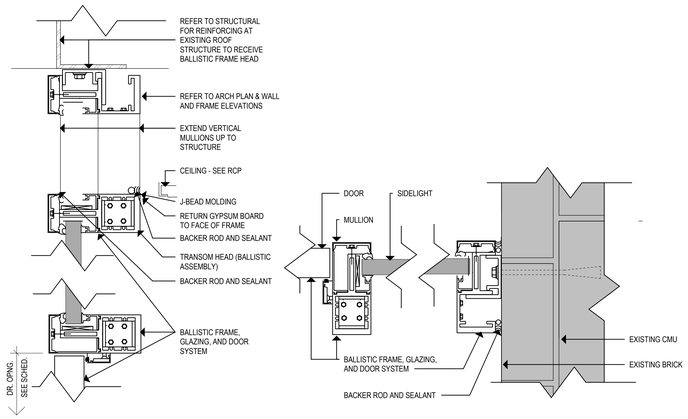
Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	KD

Drawing Title: BUILDING 7 - INTERIOR ELEVATIONS
Project Phase: ISSUED FOR BID - 11/03/2025
State Project Number: #244-0044 MAG
Date: AUGUST 12, 2025
Scale: 1/2" = 1'-0"
Drawn By: C. NARDI / JM
Project Number: 22.050
Drawing Number: A731-7

1/9/2026 10:33:26 AM

FINISH SCHEDULE

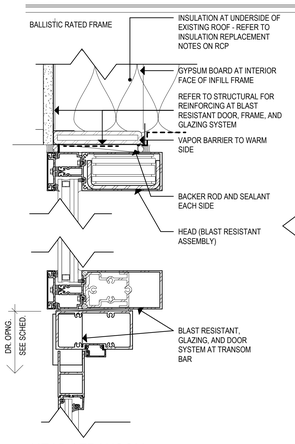
No.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	SOUTH WALL FINISH	EAST WALL FINISH	WEST WALL FINISH	CEILING FINISH	Remarks
101-7	VEST.	WOM-1	-RB-1	ETR	ETR	ETR	ETR	ACT-1	
102-7	LOBBY	ETR	ETR	ETR	ETR	ETR	ETR	ACT-1	
103-7	WEIGHT ROOM	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
104-7	MECH.	ETR	ETR	ETR	ETR	ETR	ETR	ACT-1	
105-7	STOR.	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
105.1-7	STOR.	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
106-7	PE TEACHER OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ACT-1	
107-7	GYMNASIUM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
108-7	WOMEN	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
110-7	WOMEN ADA	EP-5	CWB-1/ ETR	EP-4	EP-4	EP-4	EP-6	ACT-5	EP - MATCH EXISTING IN KIND
111-7	PE TEACHER OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
114-7	GIRL'S LOCKER	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
115-7	BOY'S LOCKER	SC-2/ETR	-	ETR	ETR/EP-1	ETR	ETR/EP-1	ACT-5	EP - MATCH EXISTING IN KIND. NEW WALLTO BE PAINTED WITH EP AS SCHEDULED
116-7	FIRE PROTECTION/ UTILITY	ETR	ETR	EP-1	EP-1	EP-1	EP-1	ACT-5	
118-7	PE TEACHER OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
118.1-7	STORAGE								
119-7	MEN ADA	EP-5	CWB-1/ ETR	EP-4	EP-4	EP-4	EP-6	ACT-5	EP - MATCH EXISTING IN KIND
120-7	PE TEACHER OFFICE	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	
120.1-7	SHV.	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
122-7	MEN	ETR	ETR	ETR	ETR	ETR	ETR	ACT-5	



HEAD / TRANSOM

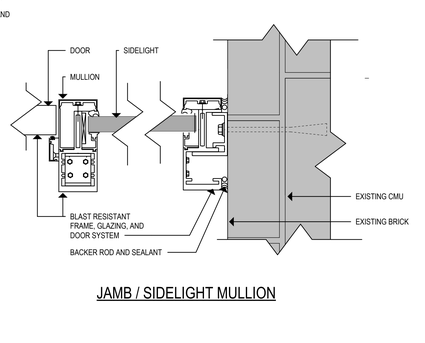
AL - 2

JAMB / SIDELIGHT MULLION



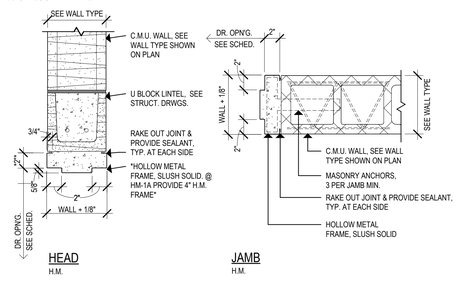
HEAD / TRANSOM

AL - 1



JAMB / SIDELIGHT MULLION

BLAST RESISTANT FRAME

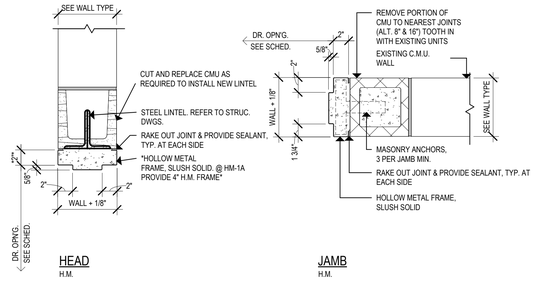


HEAD
H.M.

JAMB
H.M.

HM - 1 & HM-1A

NEW CMU WALL- FOR WALL TYPE AND RATING REQUIREMENTS SEE FLOOR PLANS

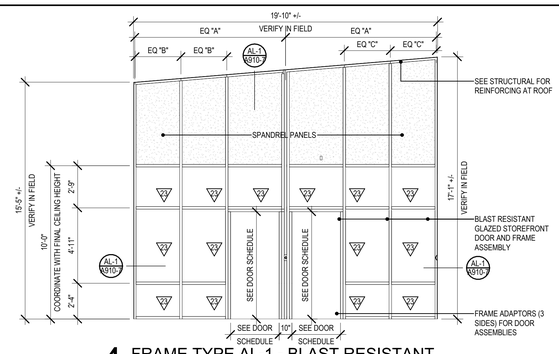


HEAD
H.M.

JAMB
H.M.

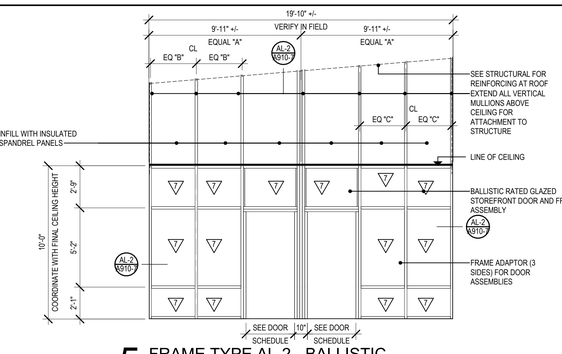
HM - 2 & HM-2A

NEW OPENING THROUGH EXISTING CMU WALL (V.I.F. FOR DEPTH)



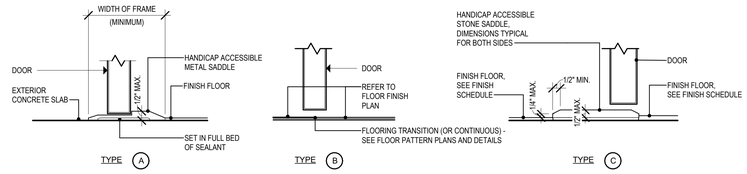
4 FRAME TYPE AL-1 - BLAST RESISTANT

1/4" = 1'-0" REFERENCE:



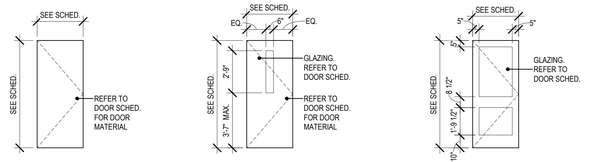
5 FRAME TYPE AL-2 - BALLISTIC

1/4" = 1'-0" REFERENCE:



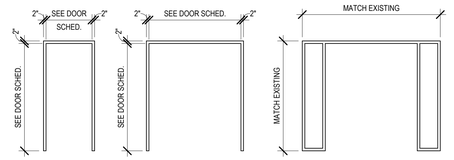
3 DOOR SADDLES TYPES

3" = 1'-0" REFERENCE:



1 DOOR ELEVATIONS

1/4" = 1'-0" REFERENCE:



2 FRAME ELEVATIONS

1/4" = 1'-0" REFERENCE:

DOOR SCHEDULE

DOOR									FRAME						RATING				HARDWARE - REFER TO PROJECT MANUAL												
																			CODE/SECURITY						ACCESSIBILITY					
DOOR NUMBER	DOUBLE LEAF DOOR	UNEQUAL DOOR LEAFS	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD DETAIL	JAMB DETAIL	SADDLE DETAIL	FRAME GLAZING	RESISTS PASSAGE OF SMOKE	90 MINUTE LABELED	60 MINUTE LABELED	45 MINUTE LABELED	NOT REQUIRED	PANIC/EXIT DEVICE	POSITIVE LATCHING	ELECTRO-MAGNETIC HOLD OPEN	DELAYED ACTION CLOSER	PUSH PLATE/PULL HANDLES	ALARMED EXIT - SEE ELEC.	POWER OPERATOR	LEVER HANDLES	KICK PLATE	ACCESSIBLE THRESHOLD	SIGNAGE TYPE - SEE A950-7	SIGNAGE TEXT	REMARKS
101-7A			3' - 2"	7' - 0"	AL-1	AL	FF	23	AL-1	AL	FF	AL-1	AL-1	A						•	•	•		•	•		•			•				BLAST RESISTANT, 2, 5, 6, 8
101-7B			3' - 2"	7' - 0"	AL-1	AL	FF	23	AL-1	AL	FF	AL-1	AL-1	A						•	•	•		•	•		•			•				BLAST RESISTANT, 5, 7, 8
102-7A			3' - 2"	7' - 0"	AL-1	AL	FF	7	AL-2	AL	FF	AL-2	AL-2	A						•	•	•		•	•		•			•		S6	EXIT	BALLISTIC RATED, 2, 5, 6, 8
102-7B			3' - 2"	7' - 0"	AL-1	AL	FF	7	AL-2	AL	FF	AL-2	AL-2	A						•	•	•		•			•			•		S6	EXIT	BALLISTIC RATED, 5, 7, 8
103-7	•		6' - 0"	7' - 0"	HM-2	HM	PT	2	ETR	HM	PT	ETR	ETR	B	N/A					•	•	•		•			•		•	•	•	S7	WEIGHT ROOM	10
105-7			3' - 0"	7' - 0"	HM-1	HM	PT		A	HM	PT	HM-2A	HM-2	B	N/A					•		•		•			•		•	•	•	S7	STORAGE	
106-7			3' - 4"	7' - 0"	HM-2	HM	PT	2	A	HM	PT	HM-2A	HM-2	B	N/A					•		•		•			•		•	•	•	S7	OFFICE	
107-7	•		6' - 0"	7' - 0"	HM-2	HM	PT	2	ETR	HM	PT	ETR	ETR	B	N/A					•	•	•		•			•		•	•	•	S7	GYM	10
108-7			3' - 4"	7' - 0"	HM-1	HM	PT		A	HM	PT	HM-2A	HM-2	C	N/A					•				•	•					•	•	S2	WOMEN	
111-7			3' - 4"	7' - 0"	HM-2	HM	PT	2	A	HM	PT	HM-2A	HM-2	B	N/A					•		•					•			•	•	S7	OFFICE	
116-7			3' - 0"	7' - 0"	HM-1	HM	PT		A	HM	PT	HM-1A	HM-1	B	N/A					•		•		•			•			•	•	S7	FIRE PROTECTION/ UTILITY	
118-7			3' - 4"	7' - 0"	HM-2	HM	PT	2	A	HM	PT	HM-2A	HM-2	B	N/A					•		•					•			•	•	S7	OFFICE	
122-7			3' - 4"	7' - 0"	HM-1	HM	PT		A	HM	PT	HM-2A	HM-2	C	N/A					•				•	•		•			•	•	S3	MEN	

ABBREVIATIONS

AL/ALUM	-	ALUMINUM
CLR	-	CLEAR
EX	-	EXISTING
ETR	-	EXISTING TO REMAIN
FF	-	FACTORY FINISH
FG	-	FIBERGLASS
FRP	-	FIBER REINFORCED PANEL
HM	-	HOLLOW METAL
INSUL.	-	INSULATED
PT	-	PAINTED
SS	-	STAINLESS STEEL
ST	-	STAINED
STL	-	STEEL
TEMP	-	TEMPERED
WD	-	WOOD

GENERAL DOOR NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS.
2. ALL NEW KICK PLATES SHALL BE 12" HIGH AND OFFSET 1" FROM EDGES OF DOOR UNLESS OTHERWISE NOTED. CENTERED AT BOTTOM OF DOOR.
3. ALL GLASS IN DOORS, SIDELITES, AND TRANSOMS SHALL BE TEMPERED UNLESS OTHERWISE NOTED. SEE SCHEDULE FOR SPECIFIC TYPE AND THICKNESS, SEE ALSO PROJECT MANUAL.
4. ALL EXTERIOR DOORS SHALL RECIEVE FULL WEATHER STRIPPING ON SIDES, TOP AND BOTTOM.
5. PROVIDE CONTINUOUS HINGES AT ALL EXTERIOR DOORS AND OTHER LOCATIONS AS NOTED.
6. FOR ALL DOORS WITH FRAME TYPE DESIGNATION "ALUM" AND OR C.W. / S.F. SEE STOREFRONT/CURTAIN WALL ELEVATIONS FOR HEAD, JAMBS, AND GLAZING WITHIN FRAME.
7. PROVIDE APPLIED DOOR NUMBER DECAL AT ALL EXTERIOR DOORS UNLESS OTHERWISE NOTED. SEE DETAILS 5 & 6 ON A950-7
8. AT EXTERIOR DOUBLE DOORS, PROVIDE ONLY ONE PULL HANDLE AND ONE CYLINDER LOCK.
9. OMIT PUSH PLATE AT DOORS EQUIPPED WITH PANIC HARDWARE AND UNSECURE / EXTERIOR SIDE PULLS.
10. PROVIDE PULL HANDLE AT ACTIVE LEAF ONLY AT PAIRS OF DOORS.

SCHEDULE REMARKS (LAST COLUMN IN DOOR SCHEDULE):

1. COORDINATE DOOR(S) SIZE WITH CURTAIN WALL / STOREFRONT SYSTEM. SEE EXTERIOR ELEVATIONS AND CURTAIN / STOREFRONT WALL TYPES, INCLUDING BALLISTIC TYPES.
2. PROVIDE PULL HARDWARE ON EXTERIOR.
3. PROVIDE REMOVABLE AND LOCKABLE CENTER MULLION.
4. DOOR ASSEMBLY SHALL BE BLAST RESISTANT. SEE ALSO PROJECT MANUAL.
5. PROVIDE CONTINUOUS HINGES.
6. PROVIDE ACCESS CONTROL AND ELECTRIC HARDWARE AT THIS DOOR. COORDINATE WITH CARD READER AND REMOTE OPENER (FROM MAIN OFFICE). REFER TO TECHNOLOGY PLANS & PROJECT MANUAL FOR MORE INFORMATION.
7. NO HARDWARE AT EXTERIOR / UNSECURE SIDE OF DOOR.
8. PROVIDE POWER OPENER AND REMOTE PUSH PLATES (OUTSIDE AND INSIDE) WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY. COORDINATE OPERATION WITH SECURITY SYSTEM AND FEATURES OF OTHER ACCESS EQUIPMENT (DOOR POWER OPERATOR CANNOT FUNCTION UNLESS PERSONNEL IN THE OFFICE RELEASE THE ELECTRIC DOOR LATCHS). DOOR LEAF TO RECEIVE THE POWER OPERATOR IS INDICATED ON FLOOR PLAN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO ELECTRICAL DRAWINGS FOR LOCATION AND POWER REQUIREMENTS.
9. EXISTING DOOR TO REMAIN, FINISH AS INDICATED.
10. REMOVE EXISTING DOOR AND HARDWARE, EXISTING FRAME TO REMAIN. PROVIDE NEW DOOR TO FIT IN EXISTING FRAME. PROVIDE NEW HARDWARE AS SCHEDULED. PAINT EXISTING FRAME, FINISH AS INDICATED.

GLAZING SCHEDULE

GL #	DESCRIPTION
0	FILM
2	CLEAR, TEMPERED
5	CLEAR, LAMINATED
7	CLEAR, BALLISTIC
17	INSUL., TINTED, LAMINATED (0.090)
23	INSULATED, TINTED, BLAST RESISTANT

Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
Waterbury, Connecticut 06708

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	BJV

Drawing Title:
BUILDING 7 - SCHEDULES AND DETAILS

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale: As indicated
Drawn By: C. NARDI / JM
Project Number: 22.050

Drawing Number: A910-7

1/9/2026 11:50:27 AM

COMMUNICATION CABLING INFRASTRUCTURE

SYMBOL	DESCRIPTION	OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	CHIEF #PAC525FCW	4G DEVICE RING	1" C	1-1/4" C	1-1/2" C	CABLE / TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR: CAT6A PLENUM CABLE	RJ45 JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HS820VP			COMMMENTS
W ▶	Wall Phone Outlet	1		1			1			1	1		1				Mounting Height 48" AFF
1D ▷	1 Data Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
2D ▷	2 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
3D ▷	3 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
4D ▷	4 Data Outlet		1	1			1			4	4	1					Mounting Height 18" AFF unless otherwise noted.
1V1D ▶▷	1 Voice - 1 Data Outlet		1	1			1			2	2	1					Mounting Height 18" AFF unless otherwise noted.
1V2D ▶▷	1 Voice - 2 Data Outlet		1	1			1			3	3	1					Mounting Height 18" AFF unless otherwise noted.
1V ▶	1 Voice Outlet		1	1			1			1	1	1					Mounting Height 18" AFF unless otherwise noted.
#V #D ▶▷	Floor Box						A/R			A/R	A/R	1					Floor Box to be sized to accommodate cable & power # - Denotes Qty of Cables Refer to electrical drawings for floor box conduit requirements.
AP	Wireless Access Point Ceiling Mounted									2	2			1			Ceiling mounted AP shall have a 15ft service loop and located at approximate locations shown on plans - Refer to DETAILS for additional mounting details. AP = MOUNTED IN DROP CEILING AP (H) = HARD CEILING MOUNTED AP (OC) = OPEN CEILING MOUNTED AP (E) = EXTERIOR MOUNT
AP	Wireless Access Point Wall Mounted	1		1			1			2	2			1			
MON ▷	1 Data Outlet For Monitor				1		1			1	1						Mounting Height 60" AFF unless otherwise noted.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.
	1 Data For Camera		1	1						1	1			1			Mounting Height per drawings & camera schedule.

RJ45 JACK COLOR NOTES:

1. ALL RJ45 JACKS SHALL CONFORM TO THE FOLLOWING COLORS:
   A. DATA = BLUE
   B. VOICE = WHITE
   C. WIRELESS AP'S = ORANGE
   D. SECURITY CAMERAS = BLACK

1

PUBLIC ADDRESS - CLOCKS

SYMBOL	DESCRIPTION	PLENUM RATED CABLE A/R	2 G - 2-1/2" DP	1G DEVICE RING	3/4" C	PRODUCT	COMMMENTS
S	PA Speaker - Refer to public address specification	1				Corridors; 8" Speakers. Classrooms; 2'x2' Drop-in Ceiling Speakers - Refer to Specifications for Product Description	
S	PA Speaker - BOGEN #MB8TSQVR	1	1		1	1/2" SQ., Wall Mounted Speaker. - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
PA	PA Master Handset BOGEN #NQ-T1100	1	1	1	1	Cabling A/R - Refer to Specification for Product Description	Include data jack and faceplate for cabling.
CS	PA Call Switch BOGEN #CA15C	1	1	1	1	Button Shall Activate 2-Way Conversations Between Classroom Speakers and Main Office. Cabling A/R	Mount 46" AFF
	Wireless Clock					12" Clock Unless Otherwise Noted on Plans. 16" = 16" diameter clock - Refer to Specification for Product Description	Mount 8' AFF Unless otherwise noted on plans.
VC ▶	PA Volume Control LOWELL #25LVC	1	1	1	1	Volume Control Shall Control the Speakers Shown Within the Same Room. - Refer to Specification for Product Description	Mount at 46" AFF. Confirm color with architect.
H	Exterior PA Horn BOGEN #KFLDS30T	1			1	Speaker / Horn - Interior / Exterior - Refer to Specification for Product Description	Secure horns to structure. Exterior horns shall receive proper weather proofing assembly.
PSB	PA Strobe EDWARDS #53X-G1 EDWARDS #WBR	1	1	1	1	Public Address Strobe. Refer to written specifications for device list and configuration requirements.	Mount Strobe @ 96" AFF. Include wireguard in gymnasium.

SECURITY

SYMBOL	DESCRIPTION	MANUFACTURER PART NUMBER	OUTLET BOXES, CONDUIT AND PATHWAYS PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR: 1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	2G DEVICE RING	3/4" C	1" C	1/2" FLEX.	1-1/2" C	CABLE & TERMINATIONS PROVIDED & INSTALLED BY SECURITY CONTRACTOR: CAT 6, 24 AWG, 5' PATCH CABLE	CAT 6, 24 AWG, 6" PATCH CABLE	BELDEN #6584FJ COMPOSIT CABLE PLENUM or Equiv; 18-6C SHLD, 22-2C, 22-4C, 18-4C	#22 - 2C PLENUM	#18 - 6C SHLD PLENUM	#18 - 4C PLENUM	#22 - 4C PLENUM	PLENUM CABLE A/R	#18 - 6C PLENUM			COMMENTS
CXX	FIXED DOME CAMERA - WALL MTG	INTERIOR CAM: VERKADA #CD52 EXTERIOR CAM: VERKADA #CD52E																				CABLE FOR CAMERA INCLUDES 10 FT SERVICE LOOP. CONTRACTOR SHALL CONFIRM THAT THERE ARE NOT ANY DEVICES BLOCKING THE CAMERA FIELD OF VIEW PRIOR TO INSTALLATION. THESE DEVICES MAY INCLUDE SIGNAGE, EXIT SIGNS, PENDANT HANGING LIGHTS, SPEAKERS, OR ANY OTHER ARCHITECTURAL IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW ISSUES TO THE ATTENTION OF HARTFORD SECURITY AND THE SECURITY CONSULTANT.
CXX	FIXED DOME CAMERA - CEILING MTG - INTERIOR	INTERIOR CAM: VERKADA #CD52																				
C-XXX	MULTI-SENSOR CAMERA REFER TO CAMERA SCHEDULE FOR MOUNTING REQUIREMENTS	EXTERIOR CAM: VERKADA #CD52E EXTERIOR 360: VERKADA #CH52-E																				
CR	MOUNT AT 42" AFF ACCESS CONTROL CARD READER	HID MULTICLASS SE #RP40 HID MULTICLASS SE #RP10		1										1								
DC	DOOR POSITION SWITCH	SPECIFIED IN DIV 08 06 71 DPS SHALL BE DPDT							1						2							DOOR POSITION SWITCH SHALL COMMUNICATE WITH ACCESS CONTROL AND INTRUSION DETECTION PANEL.
JB	JUNCTION BOX	4" x 4" JUNCTION BOX		1					1	A/R												REQUIRED AT EACH DOOR WITH A "CR", DPS, or "ICD". REFER TO DRAWING Y200 FOR OUTLET AND CONDUIT INSTALL.
STK	ELECTRIC DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					
PS	POWER SUPPLY FOR DOOR HARDWARE	SPECIFIED IN DIV 08 06 71															1					SPECIFIED WITHIN DIV. 08 - DOOR HARDWARE & SHALL BE FIELD LOCATED. CONTROL CABLING FROM ACCESS CONTROL PANELS TO THESE P.S. IS REQUIRED BY SECURITY CONTRACTOR
ICD	VIDEO INTERCOM DOOR STATION AND CARD READER	REFER TO SPECIFICATION 281300							1					1				1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. USE MULLION MOUNT ON EXTERIOR
ICM	VIDEO MASTER STATION INTERCOM / DOOR RELEASE	REFER TO SPECIFICATION 281300		1	1						1							1				INTERCOM DOOR RELEASE SHALL RELEASE LOCKED DOOR FROM THE ACCESS CONTROL PANEL. CONTRACTOR TO CONFIRM ROUTING OF ICD TO ICMS, AND ROLLOVER, PRIOR TO CONFIGURATION.
KPD	KEYPAD MOUNTED AT 48" AFF INCLUDE CLEAR PLEXIGLASS VANDAL PROOF HOUSING	SONITROL #SONIP ICLASS KP STI #7710		1				1								1						
M	MOTION SENSOR - CEILING MOUNTED 360 DEGREE DETECTOR	REFER TO SPECIFICATION 281600		1				1										1				
M	MOTION SENSOR - CORNER WALL MOUNT	REFER TO SPECIFICATION 281600		1				1										1				
	DURESS BUTTON	SENTROL UL RATED #3050																2				PANIC BUTTON DETAIL - SHALL BE MOUNTED UNDER DESK.
DR	DOOR RELEASE BUTTON	REFER TO SPECIFICATION 281300															1					MOUNT SWITCH TO TABLE BOX. LABEL SWITCH "DOOR # PUSH TO RELEASE". LABEL SHALL BE ENGRAVED CONFIRM LOCATION ON DESK WITH OWNER AND FURNITURE CONTRACTOR.
LD	LOCK DOWN BUTTON	REFER TO SPECIFICATION 281300	1					1										2				MOUNT 48" AFF. STI BOX SHALL BE GREEN. CUSTOM LABEL "LOCKDOWN". CONFIRM LOCATION WITH OWNER AND CONSULTANT PRIOR TO INSTALLATION.
SB	BLUE SECURITY STROBE	REFER TO SPECIFICATION 281300	1					1										1				MOUNTING HEIGHT NOTATED ON PLANS. REFER TO WIRING DIAGRAMS. REFER TO WRITTEN SPECIFICATIONS. COORDINATE 120V POWER WITH ELECTRICIAN
SM	SPOT MONITOR & MICRO PC	REFER TO SPECIFICATION 282300	1					1					1					1				MOUNT DISPLAY 66" AFF TO CENTER. WORKSTATION BY OWNER. ALL CONNECTIONS BY CONTRACTOR AWARDED THIS PROJECT.
R	INTERNAL REQUEST TO EXIT SWITCH	SPECIFIED IN DIVISION 08 00 00							1								1					
DA	LOCAL DOOR ALARM MOUNT AT 8' - 0" AFF	DSI #ES4200-K1-T1 DSI #ES450-K1			1			1										1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. KEYED ALARM AND DOOR POSITION SWITCH SHALL BE FLUSH MOUNTED. COORDINATE WITH DOOR CONTRACTOR. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
KS	DOOR ALARM KEY SWITCH MOUNT AT 48" AFF	DORMAKABA #RCI960RO			1			1										1				
MP	LOCAL DOOR ALARM REMOTE MONITORING PLATE	DSI #ES620		1				1										1				COORDINATE MOUNTING HEIGHT OF ALARM WITH OWNER PRIOR TO ROUGH-IN. REFER TO SPECIFICATION 281300 FOR REQUIRED INTEGRATIONS. REFER TO TY303 DETAIL 02.
CPU	FUTURE CPU LOCATION	REFER TO SPECIFICATION 282300																				

GENERAL NOTES

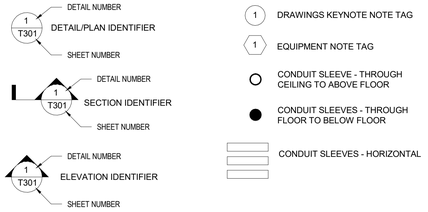
1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
3. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
6. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
7. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
8. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
9. USE ONLY PLENUM RATED CABLES.
10. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
11. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
12. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
13. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES. THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
14. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
15. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 24 PORT, CATEGORY 6A RATED PATCH PANEL.
16. THE FOLLOWING CABLING SHALL BE TERMINATED ONTO IT'S OWN DISCRETE AND SEPARATE CATEGORY 6A RATED, RACK MOUNTED PATCH PANELS. REFER TO RACK ELEVATION DETAILS:
    16.1. ALL WIRELESS AP'S
    16.2. ALL VIDEO SURVEILLANCE CAMERAS (REFER TO SECURITY DRAWINGS FOR PLACEMENT)
17. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
18. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
20. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
21. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
22. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
23. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
24. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE
    24.1. "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    24.2. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERAS MUST BE APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL SYMBOLS



Project Title:

ALTERATIONS TO:
ACES at Chase
565 Chase Parkway
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Revision:	Description:	Date:	Revised By:
1	Bulletin #2	1/09/26	MJD

Drawing Title:
TECH - AV - SEC - BUILDING #7
KEY LEGEND & GENERAL NOTES

Project Phase:
ISSUED FOR BID - 11/03/2025

State Project Number:
#244-0044 MAG

Date: AUGUST 12, 2025
Scale:
Drawn By: MJD
Project Number: 22.050

Drawing Number:
T001-7

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