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ADDENDUM NO. 02

PROJECT:	Pleasantville Union Free School District Phase 2 - 2019 Capital Improvements Project	
CPL PROJECT NO.	15131.01	
SED PROJECT NO.	Bedford Road School	66-08-09-03-0-009-005
	Pleasantville Middle School	66-08-09-03-0-003-023
	Pleasantville High School	66-08-09-03-0-001-018
DATE:	March 19, 2020	

Include this Addendum as part of the Contract Documents. It supplements portions of the original specifications and drawings, the extent of which shall remain, except as revised herein:

GENERAL:

1.1 Refer to the attached sign in sheet from the March 11, 2021 Pre-Bid Walk Through.

TO THE PROJECT MANUAL:

2.1 Section 092216: Replace with the attached revised Section 092216.

2.2 Section 092900: Replace with the attached revised Section 092900.

2.3 Section 102116: Replace with the attached revised Section 102116.

2.4 Section 102800: Replace with the attached revised Section 102800.

2.5 Section 224223: Replace with the attached revised Section 224223.

2.6 Section 262413:

2.6.1 Part 2.1.A Revise to read, “Manufacturers: Subject to compliance with requirements, provide products by one of the following or approved equivalent:”

2.6.2 Part 2.2.A. Revise to read, “Manufacturers: Subject to compliance with requirements, provide products by one of the following or approved equivalent:”

50 Front Street, Suite 202
Newburgh, NY 12550
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2.7 Section 262416: Part 2.1.A Revise to read, "Manufacturers: Subject to compliance with requirements, provide products by one of the following or approved equivalent:"

2.8 Section 262616: After Part 2.1.A Revise to read, "Manufacturers: Subject to compliance with requirements, provide products by one of the following or approved equivalent:"

TO THE DRAWINGS:

3.1 Drawing PMS HZ101:

3.1.1 Asbestos Abatement Keynote A8: Revise to read, "Remove asbestos containing pipe insulation per quantity shown."

3.1.2 Detail 2: Adjacent to each keynote A8, add note, "2 elbows, 10LF"

3.2 Drawing PMS A101: Replace with the attached revised PMS A101.

3.3 Drawing PMS A102; Detail 2: Revise Detail Title to read, "Enlarged Second Floor Demolition Plan – Alternate GC-2"

3.4 Drawing PMS A201: Replace with the attached revised PMS A201.

3.5 Drawing PMS A202: Detail 2: Revise Detail Title to read, "Enlarged Second Floor New Work Plan – Alternate GC-2"

3.6 Drawing PMS A601: Replace with the attached revised PMS A601.

3.7 Drawing PMS A701: Replace with the attached revised PMS A701.

3.8 Drawing GEN A901: Replace with the attached revised GEN A901.

3.9 Drawing GEN I250: Replace with the attached revised GEN I250.

3.10 After Drawing BRS I401, add the attached new drawing PHS I301.

3.11 Drawing PMS H101: Revise Keynote 1 to read, "remove existing unit ventilator, louver and piping. Cap piping at floor level. Disconnect finned-tube and cap on each side. Remove pneumatic controls back to temperature sensor. Provide temporary outdoor air blank off. Seal weather tight."

3.12 Drawing PMS P200: Replace with the attached revised PMS P200.

END OF ADDENDUM NO. 02

Pleasantville Union Free School District
Pleasantville Bedford Road School, Middle School and High School
Phase 2 Renovations

Pre-Bid Meeting
March 11, 2021

Attendee Sign-in Sheet

Name	Firm	Phone Number	E-mail Address
Fitim Lajqi	Empire Core Group	914-860-4731	FLajqi@empirecore.com
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Steve Q	Reno	631-449-2711	SQuetglas@GMNY.com

SECTION 092216 - NON-STRUCTURAL METAL FRAMING

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. Non-load-bearing steel framing systems for interior gypsum board assemblies.
2. Suspension systems for interior gypsum ceilings, soffits, and grid systems.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.4 REFERENCES

A. SSMA: Steel Stud Manufacturers Association

1.5 INFORMATIONAL SUBMITTALS

A. Evaluation Reports: For steel studs and runners firestop tracks, from ICC-ES.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: For fire-resistance-rated assemblies that incorporate non-load-bearing steel framing, provide materials and construction identical to those tested in assembly indicated, according to ASTM E 119 by an independent testing agency.

B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated, according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

2.2 FRAMING SYSTEMS

A. Framing Members, General: Comply with ASTM C 754 for conditions indicated.

1. Steel Sheet Components: Comply with ASTM C 645 requirements for metal unless otherwise indicated.
2. Protective Coating: ASTM A 653, G60, hot-dip galvanized unless otherwise indicated.

B. Studs and Runners: ASTM C 645. Use steel studs and runners..

1. Steel Studs and Runners:

a. Minimum Base-Metal Thickness: 20 gauge or a 20 gauge equivalent high performance stud certified under SSMA code compliance program.
b. Depth: As indicated on Drawings.

C. Slip-Type Head Joints: Where indicated, provide one of the following:

1. Single Long-Leg Runner System: ASTM C 645 top runner with 2-inch- deep flanges in thickness not less than indicated for studs, installed with studs friction fit into top runner and with continuous bridging located within 12 inches of the top of studs to provide lateral bracing.
2. Double-Runner System: ASTM C 645 top runners, inside runner with 2-inch- deep flanges in thickness not less than indicated for studs and fastened to studs, and outer runner sized to friction fit inside runner.
3. Deflection Track: Steel sheet top runner manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

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

        1) Dietrich Metal Framing; SLP-TRK Slotted Deflection Track.
        2) MBA Building Supplies; Slotted Deflecto Track.
        3) Steel Network Inc. (The); VertiTrack VTD Series.
        4) Superior Metal Trim; Superior Flex Track System (SFT).
        5) Telling Industries; Vertical Slip Track II.
        6) Marino ware: Deep Leg Deflection Track.

D. Firestop Tracks: Top runner manufactured to allow partition heads to expand and contract with movement of the structure while maintaining continuity of fire-resistance-rated assembly indicated; in thickness not less than indicated for studs and in width to accommodate depth of studs.

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

    a. Fire Trak Corp.; Fire Trak System.
    b. Grace Construction Products; FlameSafe FlowTrak System.
    c. Metal-Lite, Inc.; The System.
    d. Cemco Fire Management Products: Distributed by Marino Ware.

E. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated.

1. Minimum Base-Metal Thickness: 20 gauge.

F. Hat-Shaped, Rigid Furring Channels: ASTM C 645.

1. Minimum Base-Metal Thickness: 20 gauge.
2. Depth: As indicated on Drawings.

G. Resilient Furring Channels: 1/2-inch- deep, steel sheet members designed to reduce sound transmission.

1. Configuration: Asymmetrical or hat shaped.

H. Cold-Rolled Furring Channels: 18 gauge uncoated-steel thickness, with minimum 1/2-inch- wide flanges.

1. Depth: As indicated on Drawings.

2. Furring Brackets: Adjustable, corrugated-edge type of steel sheet with minimum uncoated-steel thickness of 20 gauge.
3. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.062-inch- diameter wire, or double strand of 0.048-inch- diameter wire.

I. Z-Shaped Furring: With slotted or nonslotted web, face flange of 1-1/4 inches, wall attachment flange of 7/8 inch, minimum uncoated-metal thickness of 25 gauge, and depth required to fit insulation thickness indicated.
1. Z Furring Channel: ASTM C 645, Depth: As indicated on Drawings
2. For attachment of rigid insulation to concrete or masonry walls.

2.3 SUSPENSION SYSTEMS

A. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.062-inch- diameter wire, or double strand of 0.048-inch- diameter wire.

B. Hanger Attachments to Concrete:

1. Anchors: Fabricated from corrosion-resistant materials with holes or loops for attaching wire hangers and capable of sustaining, without failure, a load equal to 5 times that imposed by construction as determined by testing according to ASTM E 488 by an independent testing agency.

a. Type: Post-installed, expansion anchor.

2. Powder-Actuated Fasteners: Suitable for application indicated, fabricated from corrosion-resistant materials with clips or other devices for attaching hangers of type indicated, and capable of sustaining, without failure, a load equal to 10 times that imposed by construction as determined by testing according to ASTM E 1190 by an independent testing agency.

C. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.16 inch in diameter.

D. Carrying Channels: Cold-rolled, commercial-steel sheet with a base-metal thickness of 18 gauge minimum and 1/2-inch- wide flanges.

1. Depth: 2 inches.

E. Furring Channels (Furring Members):

1. Cold-Rolled Channels: 18 gauge-steel thickness, with minimum 1/2-inch- wide flanges, 3/4 inch deep.
2. Steel Studs and Runners: ASTM C 645.

a. Minimum Base-Metal Thickness: 20 gauge.
b. Depth: As indicated on Drawings.

3. Hat-Shaped, Rigid Furring Channels: ASTM C 645, 7/8 inch deep.

a. Minimum Base-Metal Thickness: 20 gauge.

b. Configuration: Asymmetrical or hat shaped.

4. Resilient Furring Channels: 1/2-inch- deep members designed to reduce sound transmission.

   a. Configuration: Asymmetrical or hat shaped.

F. Grid Suspension System for Gypsum Board Ceilings: ASTM C 645, direct-hung system composed of main beams and cross-furring members that interlock.

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

   a. Armstrong World Industries, Inc.; Drywall Grid Systems.
   b. Chicago Metallic Corporation; Drywall Grid System.
   c. USG Corporation; Drywall Suspension System.

2.4 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards.

1. Fasteners for Metal Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance of the Work.

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

3.2 PREPARATION

A. Suspended Assemblies: Coordinate installation of suspension systems with installation of overhead structure to ensure that inserts and other provisions for anchorages to building structure have been installed to receive hangers at spacing required to support the Work and that hangers will develop their full strength.

1. Furnish concrete inserts and other devices indicated to other trades for installation in advance of time needed for coordination and construction.

3.3 INSTALLATION, GENERAL

A. Installation Standard: ASTM C 754.

1. Gypsum Plaster Assemblies: Also comply with requirements in ASTM C 841 that apply to framing installation.
2. Portland Cement Plaster Assemblies: Also comply with requirements in ASTM C 1063 that apply to framing installation.
3. Gypsum Veneer Plaster Assemblies: Also comply with requirements in ASTM C 844 that apply to framing installation.

4. Gypsum Board Assemblies: Also comply with requirements in ASTM C 840 that apply to framing installation.

B. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.

C. Install bracing at terminations in assemblies.

D. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

3.4 INSTALLING FRAMED ASSEMBLIES

A. Install framing system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.

1. Single-Layer Application: 16 inches o.c. unless otherwise indicated.
2. Multilayer Application: 16 inches o.c. unless otherwise indicated.
3. Tile Backing Panels: 16 inches o.c. unless otherwise indicated.

B. Attach steel stud tracks to metal or concrete deck or bottom of structural steel**.**

C. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.

D. Install studs so flanges within framing system point in same direction.

E. Install tracks (runners) at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts penetrating partitions above ceiling.

1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install runner track section (for cripple studs) at head and secure to jamb studs.

    a. Install two studs at each jamb unless otherwise indicated.
    b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint in finished assembly.
    c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.

3. Other Framed Openings: Frame openings other than door openings the same as required for door openings unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
4. Fire-Resistance-Rated Partitions: Install framing to comply with fire-resistance-rated assembly indicated and support closures and to make partitions continuous from floor to underside of solid structure.

    a. Firestop Track: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.

5. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.

6. Curved Partitions:

    a. Bend track to uniform curve and locate straight lengths so they are tangent to arcs.
    b. Begin and end each arc with a stud, and space intermediate studs equally along arcs. On straight lengths of no fewer than two studs at ends of arcs, place studs 6 inches o.c.

F. Direct Furring:

1. Screw to wood framing.
2. Attach to concrete or masonry with stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.

G. Z-Furring Members:

1. Erect insulation, specified in Section 072100 "Thermal Insulation," vertically and hold in place with Z-furring members spaced 24 inches o.c.
2. Except at exterior corners, securely attach narrow flanges of furring members to wall with concrete stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.
3. At exterior corners, attach wide flange of furring members to wall with short flange extending beyond corner; on adjacent wall surface, screw-attach short flange of furring channel to web of attached channel. At interior corners, space second member no more than 12 inches from corner and cut insulation to fit.

H. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch from the plane formed by faces of adjacent framing.

3.5 INSTALLING SUSPENSION SYSTEMS

A. Install suspension system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.

1. Hangers: 48 inches o.c.
2. Carrying Channels (Main Runners): 48 inches o.c.
3. Furring Channels (Furring Members): 16 inches o.c.

B. Isolate suspension systems from building structure where they abut or are penetrated by building structure to prevent transfer of loading imposed by structural movement.

C. Suspend hangers from building structure as follows:

1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structural or suspension system.

    a. Splay hangers only where required to miss obstructions and offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.

2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with locations of hangers required to support standard suspension system members, install supplemental suspension members and hangers in the form of trapezes or equivalent devices.

a. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced installation standards.

3. Wire Hangers: Secure by looping and wire tying, either directly to structures or to inserts, eye screws, or other devices and fasteners that are secure and appropriate for substrate, and in a manner that will not cause hangers to deteriorate or otherwise fail.
4. Flat Hangers: Secure to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices and fasteners that are secure and appropriate for structure and hanger, and in a manner that will not cause hangers to deteriorate or otherwise fail.
5. Do not attach hangers to permanent metal forms. Furnish cast-in-place hanger inserts that extend through forms.
6. Do not attach hangers to rolled-in hanger tabs of composite steel floor deck.
7. Do not connect or suspend steel framing from ducts, pipes, or conduit.

D. Fire-Resistance-Rated Assemblies: Wire tie furring channels to supports.

E. Seismic Bracing: Sway-brace suspension systems with hangers used for support.

F. Grid Suspension Systems: Attach perimeter wall track or angle where grid suspension systems meet vertical surfaces. Mechanically join main beam and cross-furring members to each other and butt-cut to fit into wall track.

G. Installation Tolerances: Install suspension systems that are level to within 1/8 inch in 12 feet measured lengthwise on each member that will receive finishes and transversely between parallel members that will receive finishes.

END OF SECTION 092216

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Interior gypsum board.
2. Tile backing panels.

B. Related Requirements:

1. Section 061600 "Sheathing" for gypsum sheathing for exterior walls.
2. Section 092216 "Non-Structural Metal Framing" for non-structural framing and suspension systems that support gypsum board panels.
3. Section 093000 "Tiling" for cementitious backer units installed as substrates for ceramic tile.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Samples: For the following products:

1. Trim Accessories: Full-size Sample in 12-inch- long length for each trim accessory indicated.

1.3 QUALITY ASSURANCE

A. Mockups: Before beginning gypsum board installation, install mockups of at least 100 sq. ft. in surface area to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Install mockups for the following:

   a. Each level of gypsum board finish indicated for use in exposed locations.

2. Apply or install final decoration indicated, including painting and wall coverings, on exposed surfaces for review of mockups.
3. Simulate finished lighting conditions for review of mockups.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.4 DELIVERY, STORAGE AND HANDLING

A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

1.5 FIELD CONDITIONS

A. Environmental Limitations: Comply with ASTM C 840 requirements or gypsum board manufacturer's written recommendations, whichever are more stringent.

B. Do not install paper-faced gypsum panels until installation areas are enclosed and conditioned.

C. Do not install panels that are wet, those that are moisture damaged, and those that are mold damaged.

1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency.

B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency.

2.2 GYPSUM BOARD, GENERAL

A. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.3 INTERIOR GYPSUM BOARD

A. 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. Georgia-Pacific Gypsum LLC.
2. National Gypsum Company.
3. USG Corporation.

B. Gypsum Board, Type X: ASTM C 1396.

1. Thickness: 5/8 inch.
2. Long Edges: Tapered and featured (rounded or beveled) for prefilling.

C. Flexible Gypsum Board: ASTM C 1396. Manufactured to bend to fit radii and to be more flexible than standard regular-type gypsum board of same thickness.

1. Thickness: 1/4 inch.
2. Long Edges: Tapered.
3.

D. Hi Abuse Moisture and mold resistant Gypsum Board: ASTM C 1396.
1. Basis of Design Product: Gold Bond® Hi-Abuse XP Gypsum Panel
   a. Core: 5/8-inch, Type X.
   b. Long Edges: Tapered.
   c. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

2.4 TILE BACKING PANELS

A. Cementitious Backer Units: ANSI A118.9 and ASTM C 1288 or 1325, with manufacturer's standard edges.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
   a. CertainTeed Corp.; FiberCement BackerBoard.
   b. James Hardie Building Products, Inc.; Hardiebacker 500.
   c. National Gypsum Company, Permabase Cement Board.
   d. USG Corporation; DUROCK Cement Board.

2. Thickness: 5/8 inch.
3. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

2.5 TRIM ACCESSORIES

A. Interior Trim: ASTM C 1047.

1. Material: Galvanized or aluminum-coated steel sheet or rolled zinc.
2. Shapes:

   a. Cornerbead.
   b. Bullnose bead.
   c. LC-Bead: J-shaped; exposed long flange receives joint compound.
   d. L-Bead: L-shaped; exposed long flange receives joint compound.
   e. U-Bead: J-shaped; exposed short flange does not receive joint compound.
   f. Expansion (control) joint.
   g. Curved-Edge Cornerbead: With notched or flexible flanges.

B. Exterior Trim: ASTM C 1047.

1. Material: Hot-dip galvanized steel sheet, plastic, or rolled zinc.
2. Shapes:

   a. Cornerbead.
   b. LC-Bead: J-shaped; exposed long flange receives joint compound.
   c. Expansion (Control) Joint: One-piece, rolled zinc with V-shaped slot and removable strip covering slot opening.

C. Aluminum Trim: Extruded accessories of profiles and dimensions indicated.

1. 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:

   a. Fry Reglet Corp.
   b. Gordon, Inc.
   c. Pittcon Industries.

2. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221, Alloy 6063-T5.

3. Finish: Corrosion-resistant primer compatible with joint compound and finish materials specified.

2.6 JOINT TREATMENT MATERIALS

A. General: Comply with ASTM C 475/C 475M.

B. Joint Tape:

1. Interior Gypsum Board: Paper.
2. Exterior Gypsum Soffit Board: Paper.
3. Glass-Mat Gypsum Sheathing Board: 10-by-10 glass mesh.
4. Tile Backing Panels: As recommended by panel manufacturer.

C. Joint Compound for Interior Gypsum Board: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.

1. Prefilling: At open joints, rounded or beveled panel edges**,** and damaged surface areas, use setting-type taping compound.
2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.

    a. Use setting-type compound for installing paper-faced metal trim accessories.

3. Fill Coat: For second coat, use setting-type, sandable topping compound.
4. Finish Coat: For third coat, use setting-type, sandable topping compound.
5. Skim Coat: For final coat of Level 5 finish, use setting-type, sandable topping compound.

D. Joint Compound for Exterior Applications:

1. Exterior Gypsum Soffit Board: Use setting-type taping compound and setting-type, sandable topping compound.

E. Joint Compound for Tile Backing Panels:
1. Cementitious Backer Units: As recommended by backer unit manufacturer.

2.7 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.

B. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.

C. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.

1. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch thick.
2. For fastening cementitious backer units, use screws of type and size recommended by panel manufacturer.

D. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.

1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.

E. Acoustical Joint Sealant: Manufacturer's standard nonsag, paintable, nonstaining latex sealant complying with ASTM C 834. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
   a. Pecora Corporation; AC-20 FTR.
   b. USG Corporation; SHEETROCK Acoustical Sealant.

2. Acoustical joint sealant shall have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
3. Acoustical joint sealant shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

F. Thermal Insulation: As specified in Section 072100 "Thermal Insulation."

G. Vapor Retarder: As specified in Section 072100 "Thermal Insulation."

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and substrates including welded hollow-metal frames and framing, with Installer present, for compliance with requirements and other conditions affecting performance.

B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.

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

3.2 APPLYING AND FINISHING PANELS, GENERAL

A. Comply with ASTM C 840.

B. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.

C. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.

D. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.

E. Form control and expansion joints with space between edges of adjoining gypsum panels.

F. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.

1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
2. Fit gypsum panels around ducts, pipes, and conduits.
3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch- wide joints to install sealant.

G. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments, except floors. Provide 1/4- to 1/2-inch- wide spaces at these locations and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.

H. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.

I. Install sound attenuation blankets before installing gypsum panels unless blankets are readily installed after panels have been installed on one side.

3.3 APPLYING INTERIOR GYPSUM BOARD

A. Install interior gypsum board in the following locations:
1. Type X: As indicated on Drawings
2. Ceiling Type: As indicated on Drawings.
3. Abuse-Resistant Type: As indicated on Drawings.
4. Moisture- and Mold-Resistant Type: As indicated on Drawings.

B. Single-Layer Application:

1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing unless otherwise indicated.
2. On partitions/walls, apply gypsum panels horizontally (perpendicular to framing) unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.

    a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
    b. At stairwells and other high walls, install panels horizontally unless otherwise indicated or required by fire-resistance-rated assembly.

3. On Z-furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.
4. Fastening Methods: Apply gypsum panels to supports with steel drill screws.

C. Multilayer Application:

1. On ceilings, apply gypsum board indicated for base layers before applying base layers on walls/partitions; apply face layers in same sequence. Apply base layers at right angles to framing members and offset face-layer joints one framing member, 16 inches minimum, from parallel base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly.
2. On partitions/walls, apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer

joints, unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.

3. On Z-furring members, apply base layer vertically (parallel to framing) and face layer either vertically (parallel to framing) or horizontally (perpendicular to framing) with vertical joints offset at least one furring member. Locate edge joints of base layer over furring members.
4. Fastening Methods: Fasten base layers and face layers separately to supports with screws.

D. Laminating to Substrate: Where gypsum panels are indicated as directly adhered to a substrate (other than studs, joists, furring members, or base layer of gypsum board), comply with gypsum board manufacturer's written recommendations and temporarily brace or fasten gypsum panels until fastening adhesive has set.

E. Curved Surfaces:

1. Install panels horizontally (perpendicular to supports) and unbroken, to extent possible, across curved surface plus 12-inch- long straight sections at ends of curves and tangent to them.
2. For double-layer construction, fasten base layer to studs with screws 16 inches o.c. Center gypsum board face layer over joints in base layer, and fasten to studs with screws spaced 12 inches o.c.

3.4 APPLYING EXTERIOR GYPSUM PANELS FOR CEILINGS AND SOFFITS

A. Apply panels perpendicular to supports, with end joints staggered and located over supports.

1. Install with 1/4-inch open space where panels abut other construction or structural penetrations.
2. Fasten with corrosion-resistant screws.

3.5 APPLYING TILE BACKING PANELS

A. Cementitious Backer Units: ANSI A108.11, at locations indicated to receive tile.

B. Where tile backing panels abut other types of panels in same plane, shim surfaces to produce a uniform plane across panel surfaces.

3.6 INSTALLING TRIM ACCESSORIES

A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.

B. Control Joints: Install control joints at locations indicated on Drawings.

C. Interior Trim: Install in the following locations:

1. Cornerbead: Use at outside corners.
2. Bullnose Bead: Use where indicated.
3. LC-Bead: Use at exposed panel edges.
4. L-Bead: Use where indicated.
5. U-Bead: Use at exposed panel edges.
6. Curved-Edge Cornerbead: Use at curved openings.

D. Exterior Trim: Install in the following locations:

1. Cornerbead: Use at outside corners.
2. LC-Bead: Use at exposed panel edges.

3.7 FINISHING GYPSUM BOARD

A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.

B. Prefill open joints, rounded or beveled edges, and damaged surface areas.

C. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.

D. Gypsum Board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:

1. Level 1: Ceiling plenum areas, concealed areas, and where indicated.
2. Level 2: Panels that are substrate for tile.
3. Level 3: Where indicated on Drawings.
4. Level 4: At panel surfaces that will be exposed to view unless otherwise indicated.

    a. Primer and its application to surfaces are specified in Section 099123 "Interior Painting."

5. Level 5: Where indicated on Drawings.

    a. Primer and its application to surfaces are specified in Section 099123 "Interior Painting."

E. Cementitious Backer Units: Finish according to manufacturer's written instructions.

3.8 FIRE AND SMOKE BARRIER IDENTIFICATION

A. Mark wall above ceiling every 8 feet maximum, once per wall section minimum, with its fire and/or smoke barrier designation.
1. Designations to be marked clearly using die-cut mylar stencils.
2. Characters to be 4” minimum in height of a legible font type.
3. Characters to be marked with bright red spray paint
    a. Character Designations:
        1) One hour fire barrier
            a) 1FB
        2) Two hour fire barrier
            a) 2FB
        3) One hour smoke barrier
            a) 1SB
        4) One hour fire/smoke barrier
            a) 1FSB
        5) Two hour fire/smoke barrier
            a) 2FSB
        6) Smoke Tight Partitions
            a) ST

3.9 PROTECTION

A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces. Repair surfaces stained, marred, or otherwise damaged during drywall application.

B. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.

C. Remove and replace panels that are wet, moisture damaged, and mold damaged.

1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION 092900

SECTION 10 2116 - SHOWER AND DRESSING COMPARTMENTS

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. Dressing compartments fabricated from solid polymer.
2. Shower receptors.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: For shower and dressing compartments. Include plans, elevations, sections, details, and attachments to other work.
1. Show locations of cutouts for compartment-mounted accessories.
2. Show locations of reinforcements for compartment-mounted grab bars.
3. Show locations of centerlines of drains.

C. Samples for Verification: For the following products, in manufacturer's standard sizes unless otherwise indicated:
1. Each type of material, color, and finish required for compartments, prepared on 6-inch-square Samples of same thickness and material indicated for the Work.
2. Each type of hardware and accessory.
3. Curtain Fabric: 12-inch- square swatch or larger as required to show complete pattern repeat, from dye lot used for the Work, with specified treatments applied. Mark top and face of material.

D. Product Certificates: For each type of shower and dressing compartment, from manufacturer.

E. Maintenance Data: For shower and dressing compartments to include in maintenance manuals.

1.4 QUALITY ASSURANCE

A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84, or another standard acceptable to authorities having jurisdiction, by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
1. Flame-Spread Index: 25 or less.
1. Smoke-Developed Index: 450 or less.

B. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1 for shower and dressing compartments designated as accessible.

1.5 PROJECT CONDITIONS

A. Field Measurements: Verify actual locations of walls, columns, ceilings, and other construction contiguous with shower and dressing compartments by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Aluminum Castings: ASTM B 26.

B. Aluminum Extrusions: ASTM B 221.

C. Stainless-Steel Sheet: ASTM A 666, Type 304, stretcher-leveled standard of flatness.

D. Stainless-Steel Castings: ASTM A 743.

2.2 SOLID-POLYMER COMPARTMENTS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. General Partitions Mfg. Corp.
2. Global Steel Products Corp.
3. Santana Products, Inc.
4. Sanymetal; a Crane Plumbing company.

B. Configuration: **As shown on Drawings.**

C. Enclosure Style: Overhead braced.

D. Panel and Pilaster Construction: Solid HDPE panel material, not less than 1 inch thick, seamless, with eased edges and with homogenous color and pattern throughout thickness of material.
1. Integral Hinges: Configure doors and pilasters to receive integral hinges.
2. Heat-Sink Strip: Manufacturer's standard, continuous, clear-anodized extruded-aluminum or stainless-steel strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
3. Color and Pattern: as selected by Architect from manufacturer's full range.

E. Door Construction: Match panels.

F. Pilaster Shoes: Manufacturer's standard design; **stainless steel**.
1. Polymer Color and Pattern: **as selected by Architect from manufacturer's full range**.

G. Brackets (Fittings):
1. Full-Height (Continuous) Type: Manufacturer's standard design; polymer.
   a. Polymer Color and Pattern: **as selected by Architect from manufacturer's full range**.
2. Dressing-Compartment Brackets: **as selected by Architect from manufacturer's full range**.

2.3 SHOWER RECEPTORS

A. General: Manufacturer's standard, prefabricated, terrazzo receptor complete with integral drain.

1. Curb: Not less than 2 inches and not more than 9 inches deep when measured from the top of the curb to the top of the drain; with curb threshold not less than 1 inch below the sides and back of the receptor**; and with a ramped entrance surface for accessible compartments**.
2. Floor: Finished, sloping uniformly toward the drain and not less than 1/4 unit vertical in 12 units horizontal and not more than 1/2 inch.
3. Drain Strainer: Manufacturer's standard, removable brass strainer.
4. Drain Gasket: Manufacturer's standard gasket sized to fit waste pipe.
5. Waterstop: Manufacturer's standard, continuous rabbeted groove to receive panels and create a waterstop when panels are in place.

B. Finish: Manufacturer's standard finish on exposed surfaces, **as selected by Architect from manufacturer's full range** and with slip-resistant floor surface texture.

2.4 ACCESSORIES

A. Door Hardware and Accessories: Manufacturer's standard design, heavy-duty, operating hardware and accessories.
1. Material: Stainless steel.
2. Hinges: Manufacturer's standard, integral hinge for solid-polymer doors.
3. Latch and Keeper: Manufacturer's standard, **surface-mounted** latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Provide units that comply with regulatory requirements for accessibility at compartments designated as accessible.
4. Clothing Hooks: Manufacturer's standard clothing hooks in each dressing compartment.
   a. Include one combination hook and rubber-tipped bumper at in-swinging doors, sized to prevent door from hitting wall panel or compartment-mounted accessories.
5. Door Bumper: Manufacturer's standard, rubber-tipped bumper at out-swinging doors.
6. Door Pull: Manufacturer's standard unit at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible.

B. Overhead Bracing: Manufacturer's standard, continuous, extruded-aluminum head rail or cap with antigrip profile; in manufacturer's standard finish.

C. Head Rail with Hooks: Manufacturer's standard, continuous, extruded-aluminum head rail or cap with curtain hooks running in concealed track; with antigrip profile; in manufacturer's standard finish.

D. Curtain Rod with Hooks: Manufacturer's standard, 1-inch- diameter, stainless-steel curtain rod with matching hooks.

E. Curtain: Flame-resistant, polyester-reinforced vinyl fabric that is stain resistant, self-sanitizing, antistatic, and antimicrobial; launderable to a temperature of not less than 90 deg F.
1. Flame Resistance: Passes NFPA 701 tests when tested by a testing and inspecting agency acceptable to authorities having jurisdiction.
2. Labeling: Identify fabrics with appropriate markings of applicable testing and inspecting agency.
3. Curtain Grommets: Two-piece, rolled-edge, rustproof, nickel-plated brass; spaced not more than 6 inches o.c.; machined into top hem.

4. Length: Where curtain extends to a floor surface, size so that bottom hem clears finished floor by not more than 1 inch and not less than 1/2 inch above floor surface. Where curtains extend to a shower-receptor curb, size so that bottom hem hangs above curb line and clears curb line by not more than 1/2 inch.
5. Color and Pattern: **As selected by Architect from manufacturer's full range**.

F. Soap Holder: Recessed, seamless stainless-steel soap dish.

G. Seats: Manufacturer's standard, panel-mounted, wall-mounted or floor-mounted benches as indicated.
1. Material: Solid phenolic.
2. Operation: Folding.

H. Anchorages and Fasteners: Manufacturer's standard, exposed fasteners of stainless steel, chrome-plated steel, or solid brass, finished to match the items they are securing; with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel, hot-dip galvanized steel, or other rust-resistant, protective-coated steel.

2.5 FABRICATION

A. Overhead-Braced Compartments: Provide manufacturer's standard, corrosion-resistant supports, leveling method, and anchors at pilasters and walls to suit floor and wall conditions. Provide shoes at pilasters to conceal supports and leveling method.

B. Door Sizes and Swings: Unless otherwise indicated, provide 24-inch- wide, in-swinging doors for standard shower and dressing compartments, and 36-inch- wide, out-swinging doors with a minimum 32-inch- wide, clear opening for compartments designated as accessible.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Comply with manufacturer's written installation instructions. Install compartments rigid, straight, level, and plumb. Secure compartments in position with manufacturer's recommended anchoring devices.
1. Maximum Clearances for Dressing Compartment:
   a. Pilasters and Panels: 1/2 inch.
   b. Panels and Walls: 1 inch.
2. Stirrup Brackets: Secure panels to walls and to pilasters with no fewer than three brackets attached at midpoint and near top and bottom of panel.
   a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
   b. Align brackets at pilasters with brackets at walls.

B. Overhead-Braced Compartments: Secure pilasters to floor, and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels, and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

C. Curtains: Install curtains to specified length and verify that they hang vertically without stress points or diagonal folds.

D. Shower Receptors: Install prefabricated shower receptors with drain gasket compression fit to outside diameter of waste pipe.

3.2 ADJUSTING

A. Curtain Adjustment: After hanging curtains, test and adjust each track or rod to produce unencumbered, smooth operation. Steam and dress down curtains as required to produce crease- and wrinkle-free installation. Remove and replace curtains that are stained or soiled or that have stress points or diagonal folds.

B. Hardware Adjustment: Adjust and lubricate hardware according to hardware manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION 10 2116

SECTION 10 2800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

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. Public-use washroom accessories.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated. Include the following:
   1. Construction details and dimensions.
   2. Anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
   3. Material and finish descriptions.
   4. Features that will be included for Project.
   5. Manufacturer's warranty.

B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.

C. Maintenance Data: For toilet and bath accessories to include in maintenance manuals.

D. Warranty: Sample of special warranty.

1.4 QUALITY ASSURANCE

A. Source Limitations: For products listed together in the same Part 2 articles, obtain products from single source from single manufacturer.

1.5 COORDINATION

A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.

B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stainless Steel: ASTM A 666, Type 304, 0.031-inch minimum nominal thickness unless otherwise indicated.

B. Brass: ASTM B 19, flat products; ASTM B 16, rods, shapes, forgings, and flat products with finished edges; or ASTM B 30, castings.

C. Steel Sheet: ASTM A 1008, Designation CS (cold rolled, commercial steel), 0.036-inch minimum nominal thickness.

D. Galvanized-Steel Sheet: ASTM A 653, with G60 hot-dip zinc coating.

E. Galvanized-Steel Mounting Devices: ASTM A 153, hot-dip galvanized after fabrication.

F. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed.

G. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).

H. ABS Plastic: Acrylonitrile-butadiene-styrene resin formulation.

2.2 PUBLIC-USE WASHROOM ACCESSORIES

A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:
1. A & J Washroom Accessories, Inc.
2. American Specialties, Inc.
3. Bobrick Washroom Equipment, Inc.
4. Bradley Corporation.
5. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.

B. Grab Bar:
1. Basis-of-Design Product: Bobrick B-5806 Series
2. Mounting: Flanges with concealed fasteners.
3. Material: Stainless steel, 0.05 inch thick.
   a. Finish: Smooth, No. 4, satin finish.
4. Outside Diameter: 1-1/4 inches.
5. Configuration and Length: As indicated on Drawings.

C. Folding Shower Seat:
1. Basis-of-Design Product: Bobrick No. B-5181.
2. Material and Finish: one-piece, ½" thick, solid phenolic with matte finish, antique white-colored.
3. Frame: 18-8, Type 304 stainless steel with satin finish. 16 gauge square tubing and 18 gauge diameter seamless tubing.

4. Mounting flanges: two 18-8, Type 304, 3/16" thick stainless steel with satin finish. 3" diameter with three mounting screw holes.
5. Baseplate: 18-8, Type 304, heavy-gauge stainless steel.
6. Spring: 17-7, Type 301, 24 gauge stainless steel, spot-welded to baseplate.
7. Guide bracket: 18-8, Type 304, 16 gauge stainless steel with satin finish.
8. Provide where indicated.

D. Shower Curtain Rod:
1. Basis-of-Design Product: Bobrick No. B-207.
2. Material and Finish: 18-8, Type 304, 20 gauge stainless steel tubing with satin finish. 1" outside diameter.
3. Concealed mounting brackets: Aluminum.
4. Provide at each shower and changing room.

E. Shower Curtain:
1. Basis-of-Design Product: Bobrick No. B-204.
2. Material and Finish: opaque, matte white vinyl 0.008" thick, containing antibacterial and flame-retardant agents. Nickel-plated brass grommets, 6" o.c. Bottom and sides hemmed.
3. Provide one at each shower compartment and changing station.

F. Shower Curtain Hooks:
1. Basis-of-Design Product: Bobrick No. B-204-1.
2. Material and Finish: Type 304 stainless steel for use on 1" and 1-1/4" diameter shower curtain rods.
3. Provide number required for each shower curtain.

G. Surface-mounted Single Robe Hook:
1. Basis-of-Design Product: Bobrick No. B-7671.
2. Material and Finish: Type 304 stainless steel with bright polished finish.
3. Provide at each shower compartment and changing station.

H. Surface-mounted Door Bumper:
1. Basis-of-Design Product: Bobrick No. B-687.
2. Material and Finish: Type 304 stainless steel with bright polished finish. Unit shall be equipped with neoprene bumper.
3. Provide at each compartment door.

I. Utility Shelf with mop/broom holders:
1. Basis-of-Design Product: Bobrick No. B-239.
2. Material and Finish: Stainless steel, type 304 18 ga with satin finish.
3. Mop/broom holders: spring loaded rubber cams with anti-slip coating.
4. Hooks: 12 ga stainless steel with satin finish attached with two rivets.
5. Provide at each Janitor Closet.

2.3 FABRICATION

A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.

B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.

B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to ASTM F 446.

3.2 ADJUSTING AND CLEANING

A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.

B. Remove temporary labels and protective coatings.

C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

END OF SECTION 10 2800

SECTION 224223 - COMMERCIAL SHOWERS, RECEPTORS, AND BASINS

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. Shower faucets.
2. Shower basins.
3. Grout.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.
1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for showers and basins.
2. Include rated capacities, operating characteristics, and furnished specialties and accessories.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For shower faucets to include in maintenance manuals.

PART 2 - PRODUCTS

2.1 INDIVIDUAL SHOWERS

2.2 SHOWER FAUCETS

A. NSF Standard: Comply with NSF 61, "Drinking Water System Components - Health Effects," for shower materials that will be in contact with potable water.

B. Per new Federal Lead Free Law, any product designed for dispensing potable water meet both the NSF 61 and NSF 372 test standards via third-party testing and certification.

C. Shower Faucets SH-A:
1. 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:
a. Symmons equal to Temptrol #25-500-B30-V
b. Chicago Faucets.
c. Kohler Co.
d. Moen Incorporated.
e. Powers; a division of Watts Water Technologies, Inc.
f. Speakman Company.
2. Description: Single-handle, ADA, pressure-balance mixing valve with hot- and cold-water indicators; check stops; and shower head.
3. Faucet:
a. Standards: ASME A112.18.1/CSA B125.1 and ASSE 1016.

b. Body Material: Solid brass.
c. Finish: Polished chrome plate.
d. Maximum Flow Rate: 2.5 gpm unless otherwise indicated.
e. Mounting: Concealed.
f. Operation: Single-handle, twist or rotate control.
g. Antiscald Device: Integral with mixing valve.
h. Check Stops: Check-valve type, integral with or attached to body; on hot- and cold-water supply connections.

4. Supply Connections: NPS 1/2.
5. Shower Heads (one fixed and one hand held):
   a. Standard: ASME A112.18.1/CSA B125.1.
   b. Type: Ball joint with arm and flange.
   c. Shower Head Material: Metallic with chrome-plated finish.
   d. Spray Pattern: Adjustable.
   e. Integral Volume Control: Required.
   f. Wall/Hand shower head with in-line vacuum breaker, 5' metal hose, wall connection and flange with 30" slide bar and associated diverter valve.

2.3 SHOWER BASINS

A. Shower Basins SH-A: FRP shower basin.
1. 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:
   a. Acorn Engineering Company equal to SBADA-36-3F.
   b. Crane Plumbing, L.L.C.
   c. LASCO Bathware.
   d. Mustee, E. L. & Sons, Inc.
   e. Swan Corporation (The).
2. General: Terrazzo Base. Recess floor to meet ADA requirements.
3. Type: Handicapped/wheelchair.
4. Nominal Size and Shape: 36 by 36 inches square.
5. Color: White.
6. Outlet: Drain with NPS 2 outlet.
7. Bathing Surface: Slip resistant.

2.4 GROUT

A. Standard: ASTM C 1107/C 1107M, Grade B, post-hardening and volume-adjusting, dry, hydraulic-cement grout.

B. Characteristics: Nonshrink; recommended for interior and exterior applications.

C. Design Mix: 5000-psi, 28-day compressive strength.

D. Packaging: Premixed and factory packaged.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine roughing-in of water-supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before shower installation.

B. Examine walls and floors for suitable conditions where showers will be installed.

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

3.2 INSTALLATION

A. Assemble shower components according to manufacturers' written instructions.

B. Install showers level and plumb according to roughing-in drawings.

C. Install water-supply piping with stop on each supply to each shower faucet.
   1. Exception: Use ball, gate, or globe valves if supply stops are not specified with shower. Comply with valve requirements specified in Section 220523 "General-Duty Valves for Plumbing Piping."
   2. Install stops in locations where they can be easily reached for operation.

D. Install shower flow-control fittings with specified maximum flow rates in shower arms.

E. Set shower receptors in leveling bed of cement grout.

F. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons if required to conceal protruding fittings. Comply with escutcheons requirements specified in Section 220518 "Escutcheons for Plumbing Piping."

G. Seal joints between showers and floors and walls using sanitary-type, one-part, mildew-resistant silicone sealant. Match sealant color to fixture color. Comply with sealant requirements specified in Section 079200 "Joint Sealants."

3.3 CONNECTIONS

A. Connect fixtures with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.

B. Comply with water piping requirements specified in Section 221116 "Domestic Water Piping."

C. Comply with traps and soil and waste piping requirements specified in Section 221316 "Sanitary Waste and Vent Piping."

3.4 ADJUSTING

A. Operate and adjust showers and controls. Replace damaged and malfunctioning showers, fittings, and controls.

B. Adjust water pressure at faucets to produce proper flow.

3.5 CLEANING AND PROTECTION

A. After completing installation of showers and basins, inspect and repair damaged finishes.

B. Clean showers and basins, faucets, and other fittings with manufacturers' recommended cleaning methods and materials.

C. Provide protective covering for installed fixtures and fittings.

D. Do not allow use of showers and basins for temporary facilities unless approved in writing by Owner.

END OF SECTION 224223

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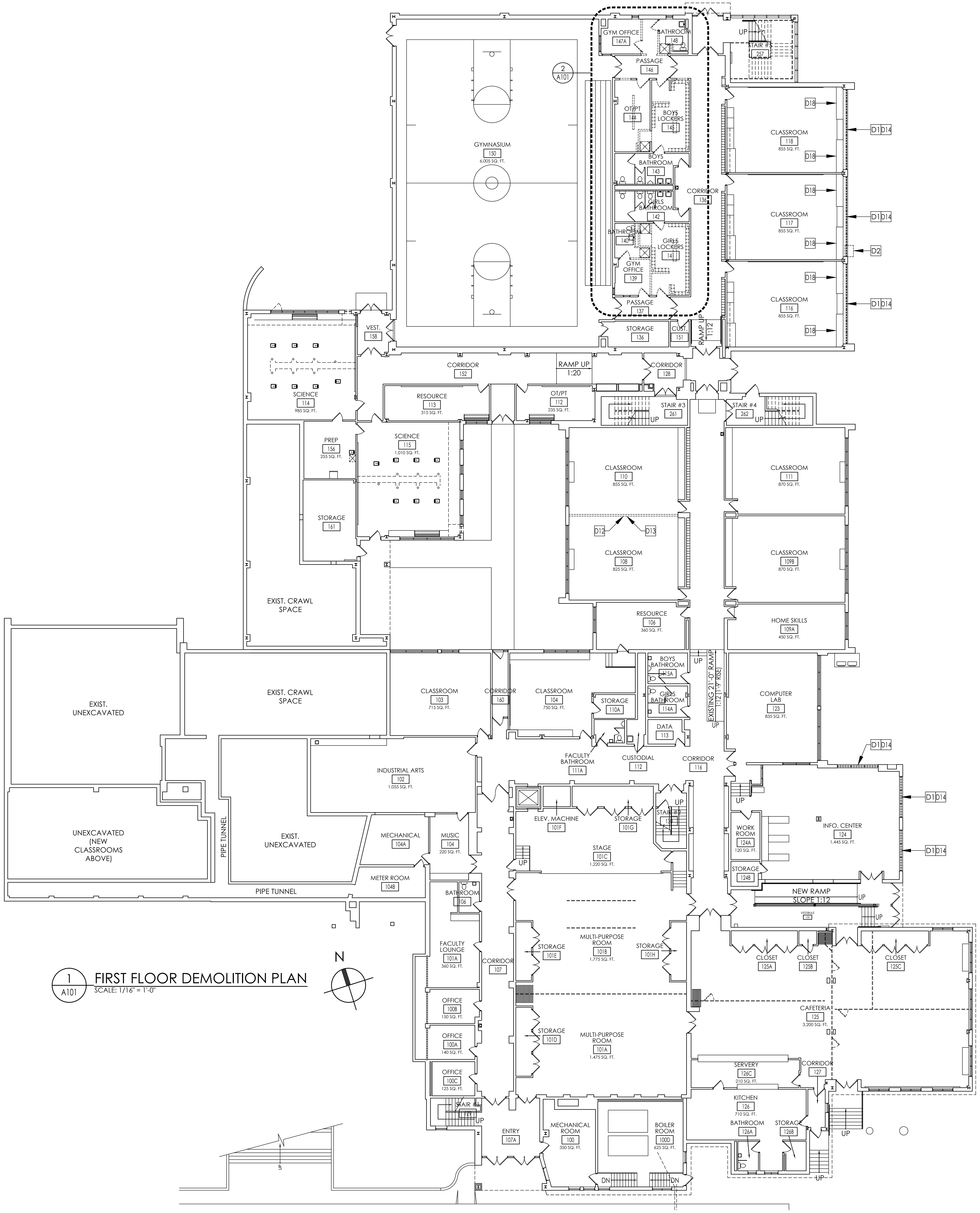


1 / A101 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

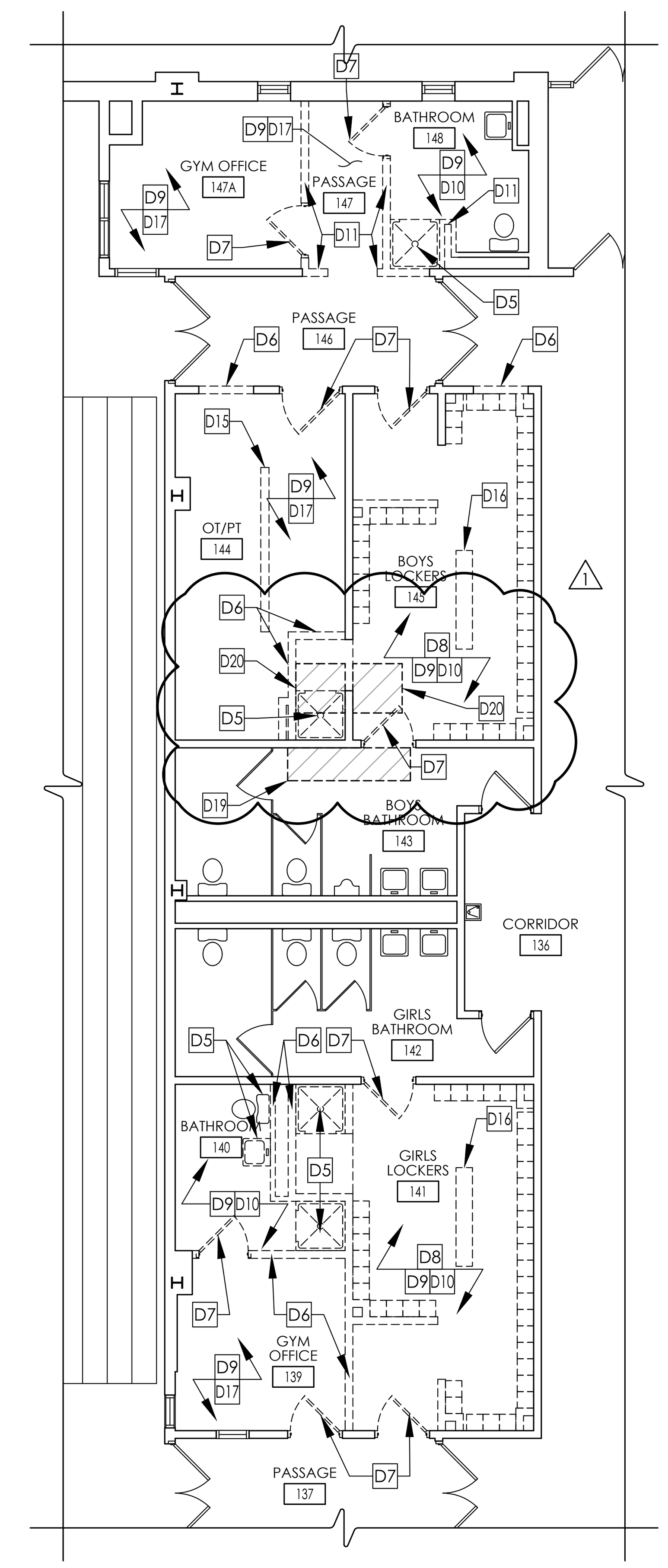
DEMOLITION KEY NOTES

- D1 REMOVE EXISTING WINDOW & ASSOCIATED TRIM IN ITS ENTIRETY. PREP OPENING FOR NEW WORK. SEE 3/PMS-A101 FOR DETAILS.
- D2 REMOVE, SALVAGE AND REINSTALL EXISTING AIR CONDITIONER.
- D3 REMOVE OPERABLE PARTITION AND ALL ASSOCIATED HARDWARE.
- D4 REMOVE PORTION OF ACT CEILING AS REQUIRED TO FACILITATE NEW WORK.
- D5 PLUMBING FIXTURES TO BE REMOVED BY P.C.
- D6 REMOVE EXISTING CMU WALL.
- D7 REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
- D8 REMOVE LOCKERS AND BASE IN ITS ENTIRETY.
- D9 REMOVE ACT CEILING SYSTEM.
- D10 REMOVE CERAMIC TILE FLOORING.
- D11 REMOVE PORTION OF METAL STUD WALL AS REQUIRED.
- D12 REMOVE OPERABLE PARTITION IN ITS ENTIRETY. REMOVE AND SALVAGE ASSOCIATED ACT CEILINGS FOR RE-INSTALLATION.
- D13 EXISTING SMARTBOARD TO BE SALVAGED AN REINSTALLED BY E.C.
- D14 REMOVE AND DISPOSE OF WINDOW TREATMENTS.
- D15 EXISTING BEAM TO BE SALVAGED AN REINSTALLED IN NEW LOCATION.
- D16 REMOVE WOOD BENCH AND METAL POSTS IN THEIR ENTIRETY.
- D17 REMOVE VCT FLOORING IN ITS ENTIRETY.
- D18 REMOVE AND SALVAGE EXISTING CASEWORK AS REQUIRED TO ACCOMMODATE NEW WORK.
- D19 SAWCUT AND REMOVE CONCRETE SLAB TO ACCOMMODATE NEW PLUMBING WORK. COORDINATE WITH M.C.
- D20 SAWCUT AND REMOVE CONCRETE SLAB TO ACCOMMODATE NEW PLUMBING WORK. INSTALL NEW 4" CONCRETE SLAB. LOWER TOP SURFACE OF SLAB TO ACCOMMODATE NEW ADA SHOWER BASE AS NEEDED. COORDINATE FLOOR DRAIN LOCATION WITH M.C.

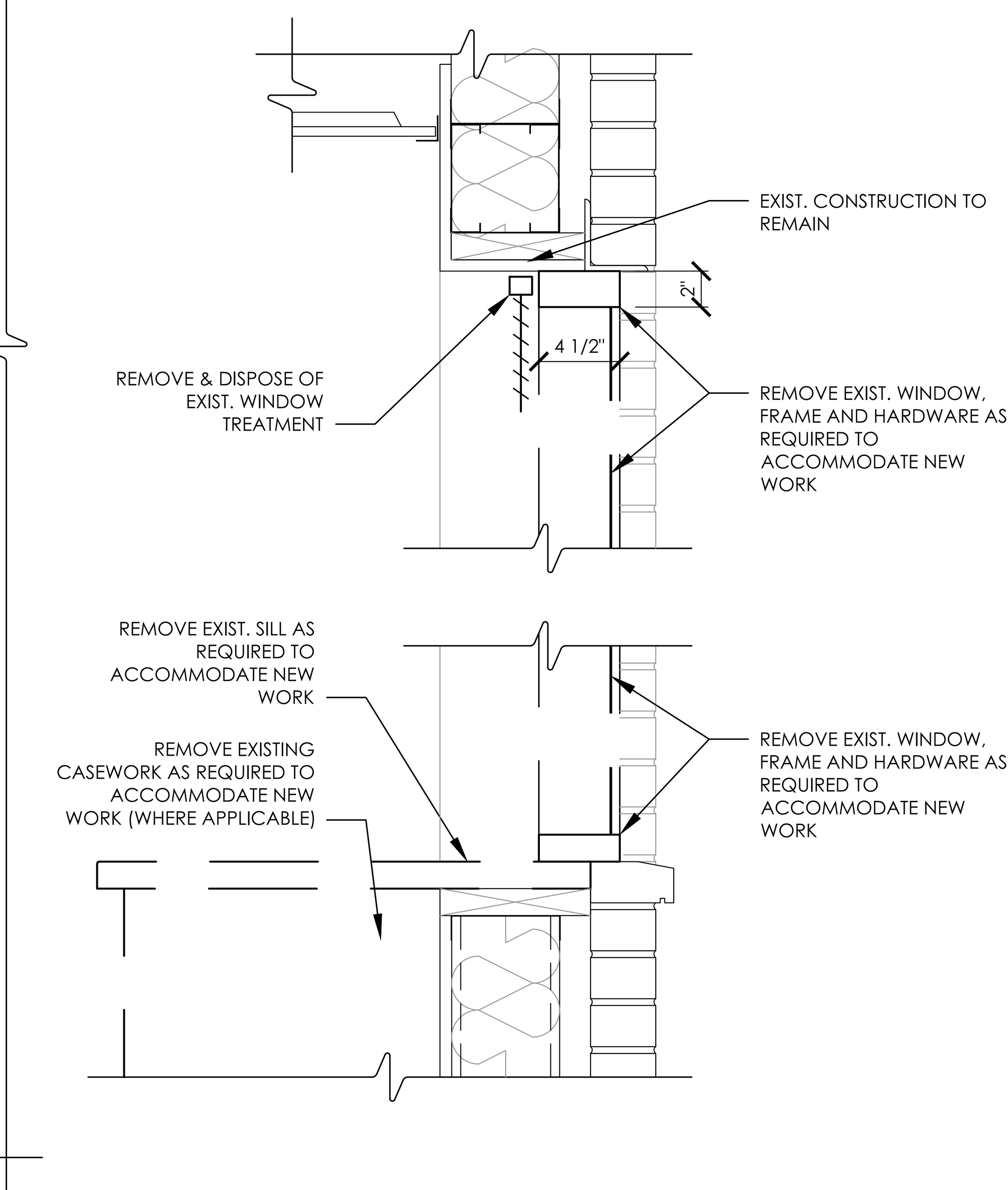
1

GENERAL DEMOLITION NOTES:

1. COORDINATE ALL DEMO WORK WITH ASBESTOS DRAWINGS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK. SPECIFIC INSTRUCTIONS ON EACH ITEM WILL NOT BE GIVEN.
3. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH THE OVERALL PROJECT SCHEDULE.
4. THE BUILDING SHALL BE MAINTAINED WEATHER TIGHT DURING CONSTRUCTION.
5. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS, STAIRS AND ELEVATORS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.
8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK.



2 / A101 PARTIAL ENLARGED FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



3 / A101 DEMOLITION DETAIL AT WINDOW
SCALE: 1/8" = 1'-0"

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REVISIONS

NO.	DATE	BY		DESCRIPTION
1	03/18/2021	RG	BP	BID ADDENDUM NO. 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT

60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT

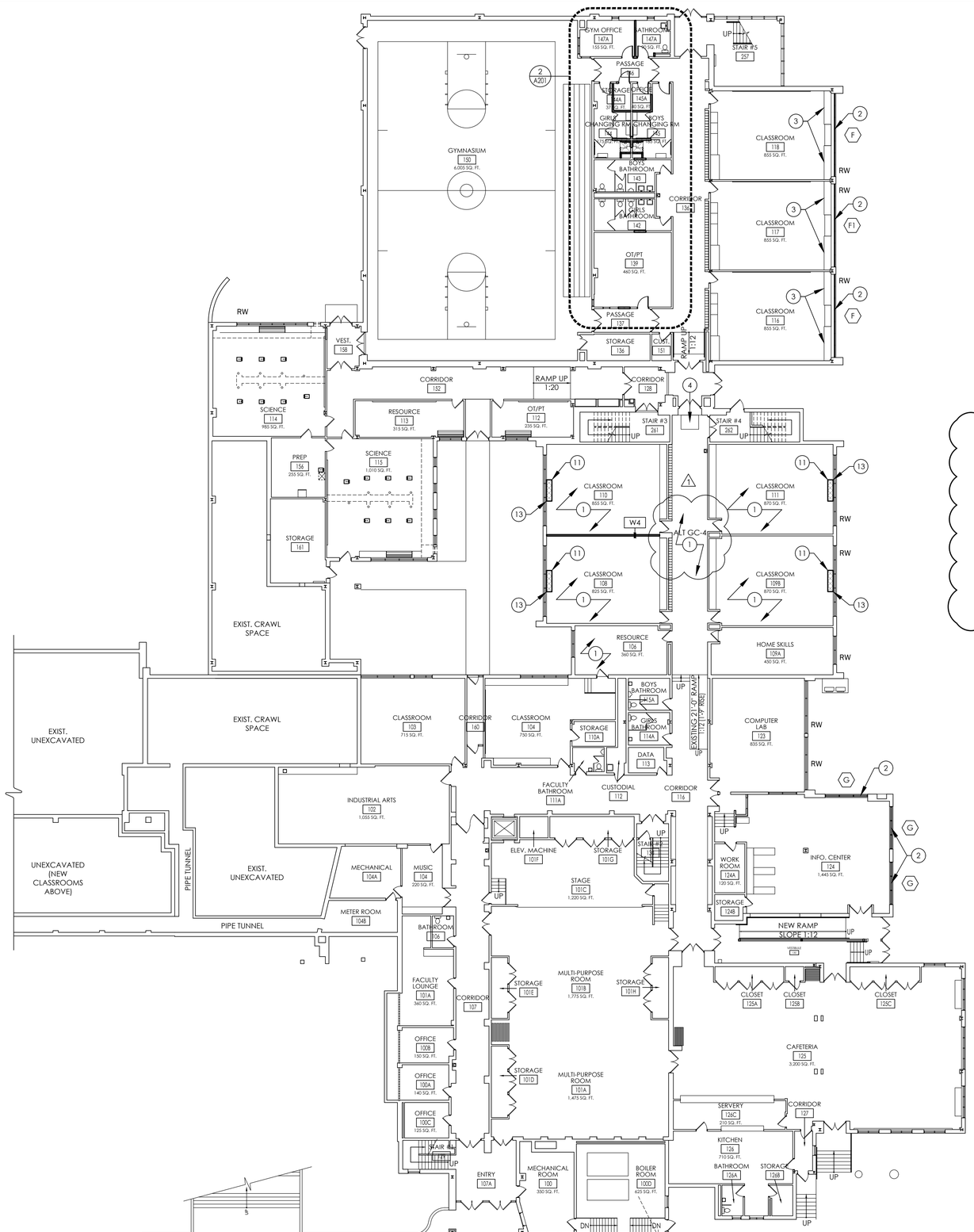
SCALE 1/16" = 1'-0"

SHEET TITLE
MIDDLE SCHOOL
FIRST FLOOR
DEMOLITION PLAN

PROJECT NUMBER
15131.01

PMS
A101
DRAWING NUMBER

Plotted By: Ryan Goshea
Date last plotted: 3/19/2021 12:57 PM
Date last accessed: 3/18/2021 6:03 PM
Drawing Name: S:\Projects\Pleasantville UFSD\2019 Bond\D Design\06 CAD\Phase 2\AutoCAD\ARCH\A1\PMS_A101.dwg



1 A201 FIRST FLOOR NEW WORK PLAN
SCALE: 1/16" = 1'-0"

NEW CONSTRUCTION KEY NOTES:

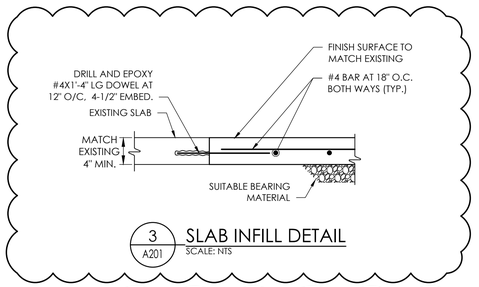
1. NEW VCT AND RUBBER WALL BASE.
2. INSTALL NEW WINDOW TREATMENTS.
3. REINSTALL SALVAGED CASEWORK.
4. INFILL DEPRESSED FLOOR SLAB TO MATCH EXISTING AS PART OF ALTERNATE GC-4. SEE DETAIL 3/A201.
5. INFILL EXISTING WALL CONSTRUCTION WITH NEW TO MATCH EXISTING.
6. NOT USED.
7. NEW CERAMIC FLOOR TILE & CERAMIC TILE WAINSCOT - SEE 'I' SERIES DRAWINGS FOR ADDITIONAL DETAIL.
8. NEW ATHLETIC FLOORING.
9. PATCH TO MATCH EXISTING FLOOR WITH LIKE CONSTRUCTION.
10. REINSTALL SALVAGED CEILING TILE. PATCH TO MAKE EXISTING CEILING TILE AS REQUIRED.
11. INSTALL NEW VCT IN LOCATION OF UNIT VENTILATOR AS PART OF ALTERNATE GC-5.
12. INFILL CONCRETE FLOOR SLAB TO MATCH EXISTING. PATCH TO MATCH FLOOR TILE AS REQUIRED.
13. NEW VCT IN HATCHED AREA.

LEGEND:

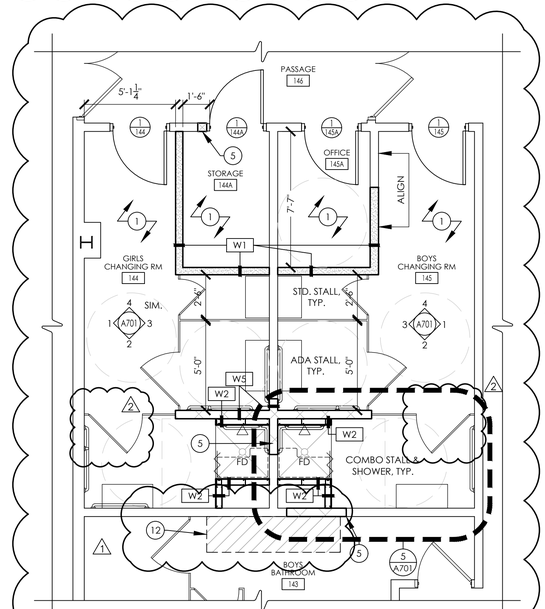
XX WINDOW TYPE. SEE GEN-A801 & GEN-A802 FOR ADDITIONAL DETAILS.

GENERAL CONSTRUCTION NOTES:

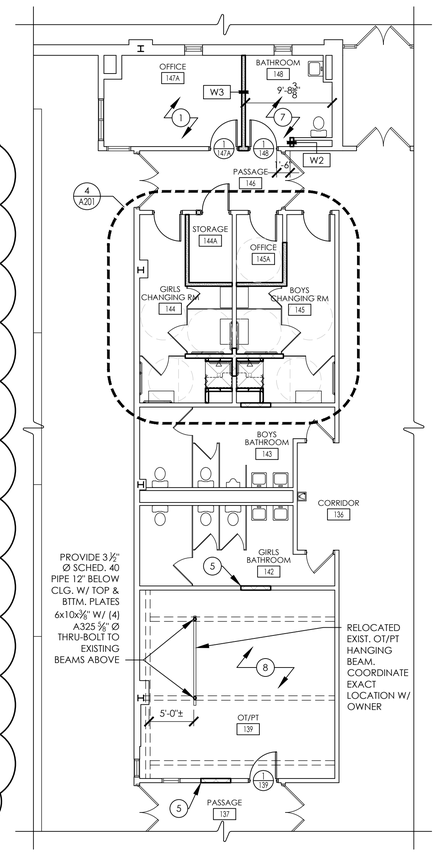
1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT SCHEDULED TO BE REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECTS SATISFACTION AT NO COST TO THE OWNER.
3. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH WORK DAY.
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.



3 A201 SLAB INFILL DETAIL
SCALE: NTS



4 A201 PARTIAL ENLARGED FIRST FLOOR NEW WORK PLAN
SCALE: 1/4" = 1'-0"



2 A201 PARTIAL ENLARGED FIRST FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"

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REVISIONS NO.	DATE	BY	DESCRIPTION
1	03/02/2021	RG	BID ADDENDUM NO. 1
2	03/18/2021	RG	BID ADDENDUM NO. 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT

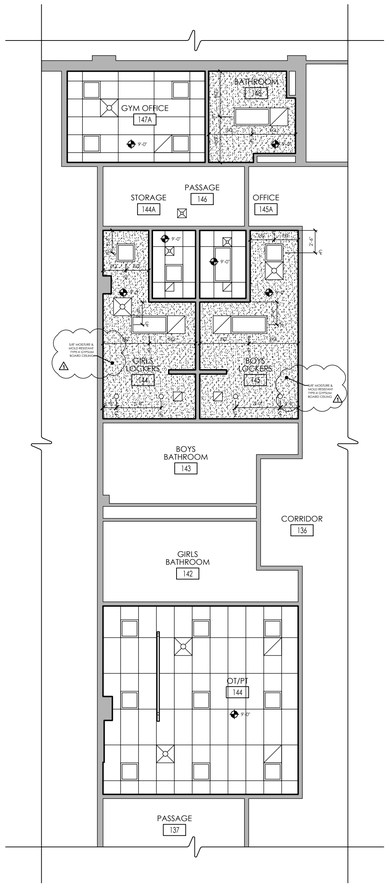
SCALE 1/16" = 1'-0"

SHEET TITLE
MIDDLE SCHOOL
FIRST FLOOR
NEW WORK PLAN

PROJECT NUMBER
15131.01

PMS
A201
DRAWING NUMBER

Drawing Name: S:\Projects\Pleasantville UFSD\2019 Bond\D Design\06 CAD\Phase 2\AutoCAD\ARCH\A2\PMS_A201.dwg
Date last accessed: 3/19/2021 12:02 PM
Date last plotted: 3/19/2021 12:38 PM
Plotted By: Ryan Goshea



1 A601 PARTIAL ENLARGED FIRST FLOOR REFLECTED CEILING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

CEILING LEGEND:

- SUSPENDED ACOUSTIC TILE SYSTEM (ACT) 2'X4'
- GYPSUM BOARD CEILING
- 2'X4' LIGHT FIXTURE
- 2'X2' LIGHT FIXTURE
- PENDENT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- EMERGENCY/NIGHT LIGHT FIXTURE
- EXIT SIGN
- EMERGENCY LIGHT

GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT SCHEDULED TO BE REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
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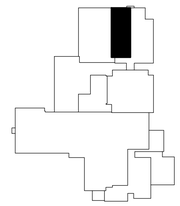
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.



KEY PLAN
SCALE: NTS

N

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1	03/18/2021	NWH	BP BID ADDENDUM NO. 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT

SCALE 1/4" = 1'-0"

SHEET TITLE
MIDDLE SCHOOL
ENLARGED FIRST FLOOR
REFLECTED CEILING
NEW WORK PLAN

PROJECT NUMBER
15131.01

PMS
A601
DRAWING NUMBER

Drawing Name: S:\Projects\Pleasantville UFSD\2019 Bond\D Design\06 CAD\Phase 2\AutoCAD\ARCH\A6\PMS_A601.dwg
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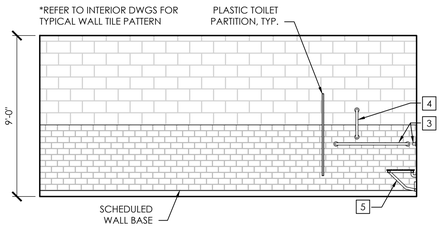
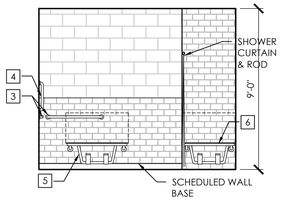
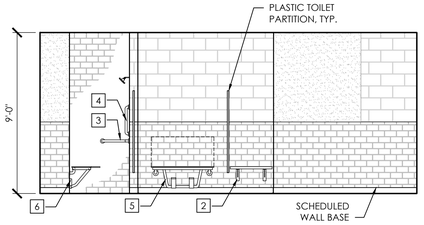
Date last plotted: 3/19/2021 12:42 PM
Plotted By: Ryan Goshea



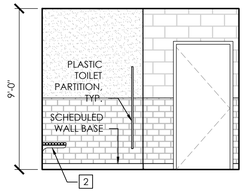
1 A701 LOCKERROOM ELEVATION
SCALE: 1/4" = 1'-0"



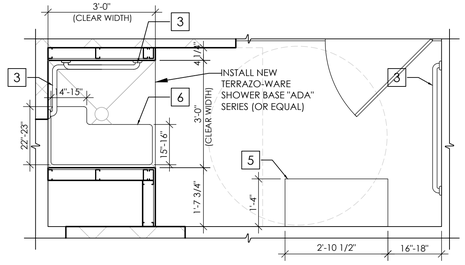
2 A701 LOCKERROOM ELEVATION
SCALE: 1/4" = 1'-0"



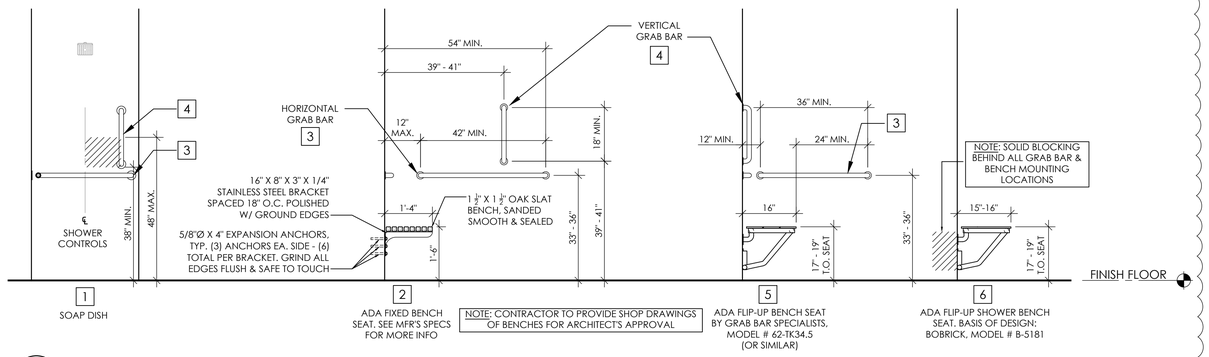
3 A701 LOCKERROOM ELEVATION
SCALE: 1/4" = 1'-0"



4 A701 LOCKERROOM ELEVATION
SCALE: 1/4" = 1'-0"



5 A701 TYP. SHOWER AND STALL DETAIL PLAN
SCALE: 1/2" = 1'-0"



6 A701 TYP. FIXTURE AND ACCESSORY MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"

⚠1

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1	03/18/2021	RG/NWH	BP BID ADDENDUM NO. 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

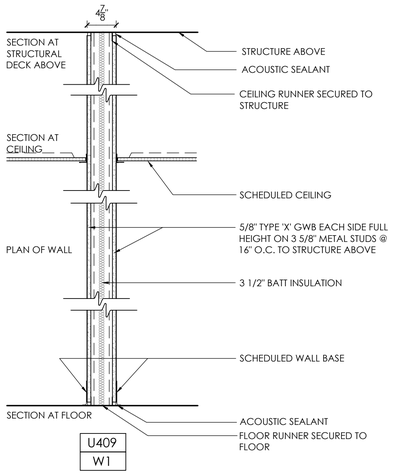
DATE	DRAWN	CHECKED
1/18/21	RG	LT

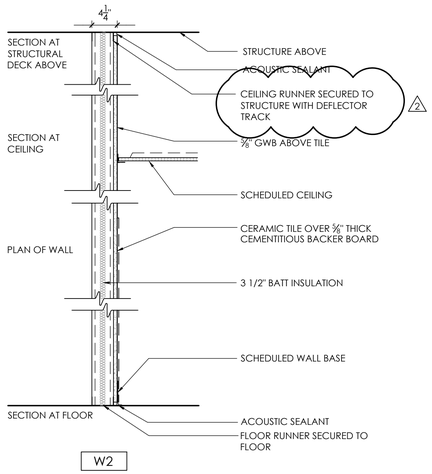
SCALE AS NOTED

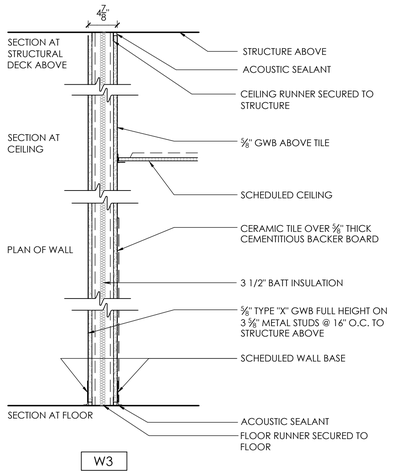
SHEET TITLE
MIDDLE SCHOOL
NEW WORK INTERIOR
ELEVATIONS & DETAILS

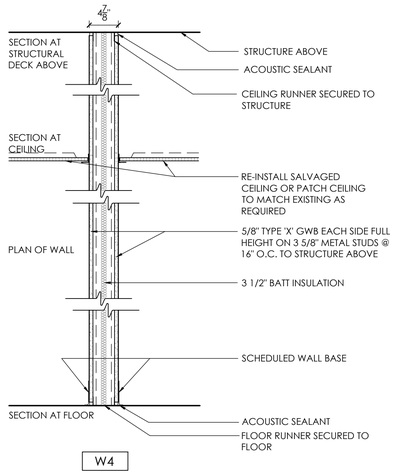
PROJECT NUMBER
15131.01

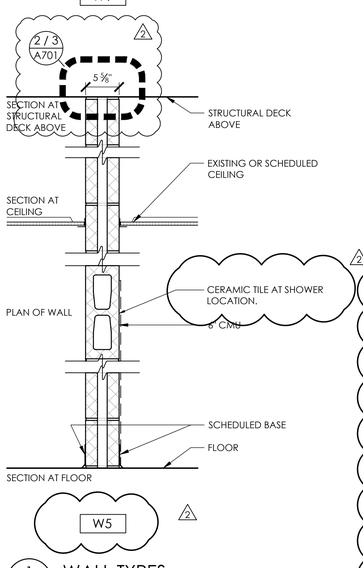
PMS
A701
DRAWING NUMBER



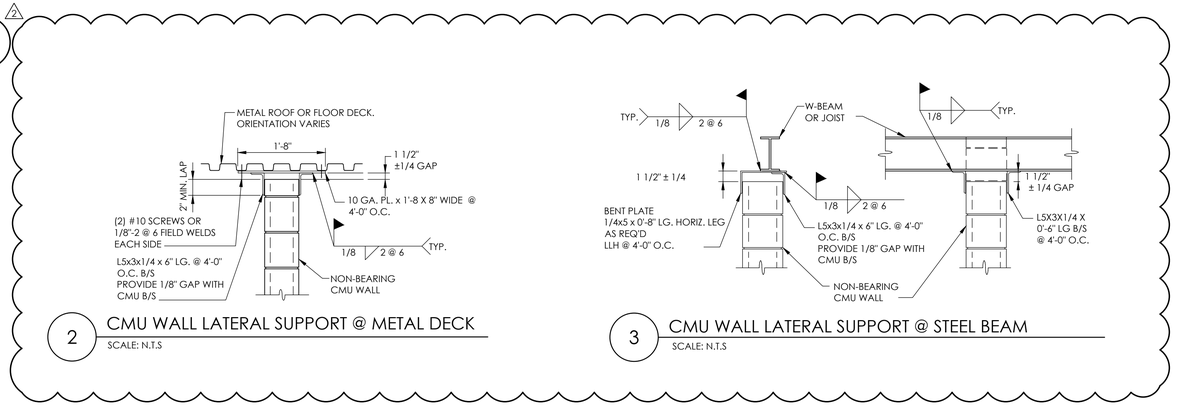








1 A901 WALL TYPES
SCALE: 1" = 1'-0"



2 CMU WALL LATERAL SUPPORT @ METAL DECK
SCALE: N.T.S

3 CMU WALL LATERAL SUPPORT @ STEEL BEAM
SCALE: N.T.S

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REVISIONS NO.	DATE	BY	DESCRIPTION
1	12/22/2020	RG	SED ADDENDUM NO. 2
2	03/18/2021	RG	BID ADDENDUM NO. 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
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DATE	DRAWN	CHECKED
1/18/21	RG	LT

SCALE AS NOTED

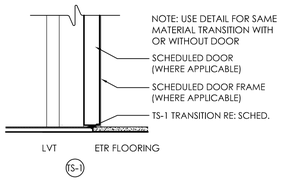
SHEET TITLE
WALL TYPES & GENERAL DETAILS

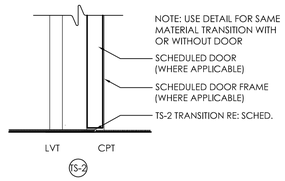
PROJECT NUMBER
15131.01

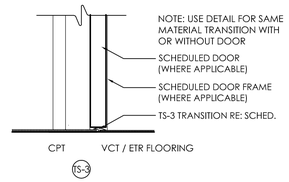
GEN
A901
DRAWING NUMBER

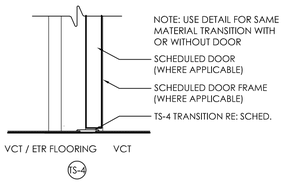
COLOR & FINISH SCHEDULE

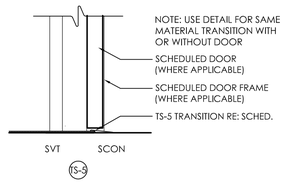
FINISH CODE		ITEM	MANUFACTURER	STYLE/PATTERN	COLOR	SIZE	ADDITIONAL REQUIREMENTS	REMARKS
ACT	1	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE 1772	WHITE	24" X 24" X 5/8"	NRC: .50, CAC: .30, .83 LIGHT REFLECTANCE, CLASS A. 15/16" GRID WITH PRELUDE XL SUSPENSION SYSTEM	STANDARD 2' X 2' CEILING TILE
ACT	2	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE 1773	WHITE	24" X 48" X 5/8"	NRC: .50, CAC: .30, .83 LIGHT REFLECTANCE, CLASS A. 15/16" GRID WITH PRELUDE XL SUSPENSION SYSTEM	STANDARD 2' X 4' CEILING TILE
BCP	1	BROADLOOM CARPET	PATCRAFT	COLOR CHOICE I0203	GREEN APPLE 00350	12'	CLASS 1: SOLUTION DYED; .271" THICK; LEVEL LOOP; ECO SOULTIONG Q NYLON FIBER TYPE; SYNTHETIC PRIMARY BACKING; ULTRALOC (R) PATTERN SECONDARY BACKING; SSP SHAW SOIL PROTECTION PROTECTIVE TREATMENT; PASSES PILL TEST; > 450 SMOKE DENSITY; ADA COMPLIANT; BROADLOOM LIFETIME COMMERCIAL LIMITED WARANTY	BRS LIBRARY - CARPET AT TIERED OCTAGON SEATING
CG	1	CORNER GUARD	TARKETT	1 1/2" CORNER GUARD	MEDIUM GRAY 28	4' HIGH	-	BRS LIBRARY COLUMNS
CT	1	CERAMIC TILE	DALTILE	KEYSTONES	D200 DESERT GRAY SPECKLE	2" X 2" MOSAIC	-	PMS BATHROOM & CHANGING ROOM FLOOR TILE
CT	2	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION	X714 MATTE DESERT GRAY	3" X 6"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/8" GROUT JOINT	PMS BATHROOM & CHANGING ROOM WALL TILE (FIELD COLOR)
CT	3	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION	0115 EMERALD	3" X 6"		PMS BATHROOM & CHANGING ROOM WALL TILE (ACCENT COLOR)
CT	4	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION SURFACE BULLNOSE	X714 MATTE DESERT GRAY	S-4369MOD 3" X 6"		PMS BATHROOM & CHANGING ROOM WALL TILE (BULLNOSE)
CTB	1	CERAMIC TILE BASE	DALTILE	COLOR WHEEL COLLECTION FLAT TOP COVE BASE	X714 MATTE DESERT GRAY	A-3361MOD 3" X 6"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/8" GROUT JOINT	PMS BATHROOM & CHANGING ROOM - COVE BASE
CPT	1	CARPET TILE	J & J FLOORING GROUP	KINETEX / CATALYST	CHEMISTRY 1841	24" X 24"	CLASS 1: SOLUTION DYED; .205" THICK; POLYESTER APPLIED PATTERN; POLYESTER FELT CUSHION BACKING; PASS PILL TEST; >450 SMOKE DENSITY; ADA COMPLIANT; STANDARD KINETEX WARRANTY PRODUCT REP. INFO: ROBERT FORTIER (860) 881-1540 ROBERT.FORTIER@JJFLOORINGGROUP.COM	BRS LIBRARY - REFER TO INTERIORS DRAWINGS FOR LOCATIONS. QUARTER TURN INSTALLATION.
CPT	2	CARPET TILE	J & J FLOORING GROUP	KINETEX / CATALYST	MOTIVATE 2842	24" X 24"		BRS LIBRARY - REFER TO INTERIORS DRAWINGS FOR LOCATIONS. QUARTER TURN INSTALLATION.
CPT	3	CARPET TILE	J & J FLOORING GROUP	KINETEX / NETWORK	TRACKS 2909	24" X 24"		BRS LIBRARY - FLOORING AT TIERED SEATING. QUARTER TURN INSTALLTIN.
EPT	1	EPOXY PAINT	SHERWIN WILLIAMS	PRO-INDUSTRIAL WATER BASED CATALYZED PAINT	SW 6185 ESCAPE GRAY	-	PREP CMU WALLS WITH SHERWIN WILLIAMS PREPRITE BLOCK FILLER	PMS BATHROOM & CHANGING ROOM
GR	1	GROUT	LATICRETE	SPECTRALOCK PRO	90 LIGHT PEWTER	-	REFER TO SPECIFICATIONS	PMS BATHROOM & CHANGING ROOM
HPL	1	HIGH PRESSURE LAMINATE	WILSONART	5013K-19	MUSHROOM	-	-	BRS LIBRARY - TYPICAL HORIZONTAL WORK SURFACE
LVT	1	LUXURY VINYL TILE	INTERFACE	DRAWN LINES	AQUAMARINE A00906	25CM X 1M	22 MIL. WEAR LAYER; 4.5MM TOTAL THICKNESS; CERAMOR COATING FINISH; DIRECT GLUE INSTALLATION; 15 YEAR LIMITED COMMERCIAL WARRANTY	BRS LIBRARY - ASHLAR INSTALLATION
PT	1	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 6234 UNCERTAIN GRAY	-	PREP CMU WALLS WITH SHERWIN WILLIAMS PREPRITE BLOCK FILLER	BRS LIBRARY - FIELD COLOR
PT	2	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 7611 TRANQUIL AQUA	-		BRS LIBRARY - ACCENT COLOR
PT	3	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 9059 SILKEN PEACOCK	-		BRS LIBRARY & PMS - ACCENT COLOR
PT	4	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 6432 GARDEN SPOT	-		BRS LIBRARY - ACCENT COLOR
PT	5	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 7074 SOFTWARE	-		BRS LIBRARY - ACCENT COLOR BRS HM FRAME & DOOR COLOR
PT	6	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 7007 CEILING BRIGHT WHITE	-		TYPICAL GWB CEILING COLOR
PT	7	PAINT	SHERWIN WILLIAMS	PROMAR 200	COLOR MATCH PPG RAIN BARREL 1097-6	-		PMS - HM FRAME & DOOR COLOR
PT	8	PAINT	SHERWIN WILLIAMS	PROMAR 200	SW 7015 REPOSE GRAY	-		PMS - OFFICES, STORAGE, OT / PT (FIELD COLOR)
RAF	1	RESILIENT ATHLETIC FLOORING	TARKETT	TRAINING / OMNISPORT SPORT MULTI-FUNCTION FLOORING	BEECH 9001	6.6' ROLL	.70MM WEAR LAYER, 5 MM TOTAL THICKNESS; POLYURETHANE REINFORCED SURFACE TREATMENT; DIRECT GLUE-DOWN INSTALLATION; 10 YEAR LIMITED WARRANTY	PMS - OT / PT
RB	1	RESILIENT BASE	TARKETT	TRADITIONAL WALL BASE	MEDIUM GRAY 28	4 " HIGH	INSTALL WITH 120' ROLLS	BRS LIBRARY - TYPICAL WALL BASE
RB	2	RESILIENT BASE	TARKETT	TRADITIONAL WALL BASE	GREY HAZE 24	4 " HIGH	INSTALL WITH 120' ROLLS	PMS - TYPICAL WALL BASE
RB	3	RESILIENT BASE	TARKETT	TRADITIONAL WALL BASE	BLACK 40	4 " HIGH	INSTALL WITH 120' ROLLS	PHS AUDITORIUM WALL BASE
SVT	1	SOLID VINYL TILE	TARKETT	CORTINA GRANDE	ONYX 401	16" X 16" X 1/8"	CLASS III; TYPE B; CLASS I FLAMMABILITY; <450 SMOKE DENSITY; 800 PSI; 10 YEAR LIMITED COMMERCIAL WARRANTY	PHS AUDITORIUM - INSTALLED IN DIAGONAL 2-COLOR PATTERN. SEE PHS-1/I301 FOR PATTERN DETAILS.
SVT	2	SOLID VINYL TILE	TARKETTT	CORTINA GRANDE	HALF-N-HALF 501	16" X 16" X 1/8"		
TS	1	TRANSITION STRIP	SCHLUTER	VINPRO-T	SATIN ANODIZED (AE)	AS REQUIRED	-	LVT TO ETR FLOORING (BRS LIBRARY)
TS	2	TRANSITION STRIP	TARKETT	METAL EDGE 001	IRONSTONE 178	AS REQUIRED	-	CPT TO LVT (BRS LIBRARY)
TS	3	TRANSITION STRIP	TARKETT	CTA-XX-A 1/4" TO 1/2" MATERIAL TRANSITION	MEDIUM GRAY 28	AS REQUIRED	-	CPT TO VCT/ETR FLOORING (BRS LIBRARY)
TS	4	TRANSITION STRIP	TARKETT	CTA-XX-N 1/8" TO 1/8" MATERIAL TRANSITION	GREY HAZE 24	AS REQUIRED	-	VCT TO VCT/ETR FLOORING (PMS)
TS	5	TRANSITION STRIP	TARKETT	SSR-XX-B 1/8" MATERIAL TO FLOOR	BLACK 40	AS REQUIRED	-	CPT TO SCON (PHS AUDITORIUM)
TS	6	TRANSITION STRIP	MARBLE THRESHOLD	MUST BE ADA COMLAINT	-	AS REQUIRED	-	CT TO VCT/ETR FLOORING
TR	1	TRIM	TARKETT	MILLWORK ACCESSORIES QUARTER ROUND QTR-XX-A	MEDIUM GRAY 28	1/2" QUARTER ROUND	-	BRS LIBRARY - TIERED SEATING
TR	2	TRIM	SCHLUTER	JOLLY	SATIN ANODIZED (AE)	AS REQUIRED	-	WALL TILE OUTSIDE EDGES
VCT	1	VINYL COMPOSITION TILE	ARMSTRONG FLOORING	STANDARD EXCELON MULTICOLOR WITH DIAMOND 10 COATING	HARLEQUIN WHITE 22505	12" X 12" X 1/8"	CLASS 2 THROUGH PATTER COMPOSITION TILE, 2000 P.S.I. 10 YEAR LIMITED COMMERCIAL WARRANTY	BRS STORAGE
VCT	2	VINYL COMPOSITION TILE	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE WITH DIAMOND 10 COATING	STERLING 21904	12" X 12" X 1/8"		PMS OFFICES & STORAGE
WG	1	WALL GRAPHIC	WOLF GORDON	DIGITALLY PRINTED WALL COVERING ON GWB WALL, GRAPHIC TO EXTEND FULL LENGTH OF WALL.	GRAYSCALE PRINT	SEE DETAIL 1/I901	IMAGE SUPPLIED AND APPROVED BY OWNER AND ARCHITECT. G.C. TO VERIFY SIZE PRIOR TO ORDERING. MANUFACTURER TO PROVIDE A PHYSICAL SAMPLE TO SCALE FOR OWNER AND ARCHITECT APPROVAL.	
WT	1	WINDOW TREATMENT	DRAPER INDUSTRIES	E SCREEN 3% OPENNESS	PEARL/GRAY 007001	-	-	BRS LIBRARY & OFFICE
WT	2	WINDOW TREATMENT	DRAPER INDUSTRIES	E SCREEN 3% OPENNESS	TBD	-	AS BID ALTERNATE	PMS CLASSROOMS

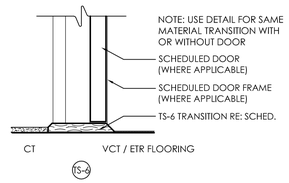




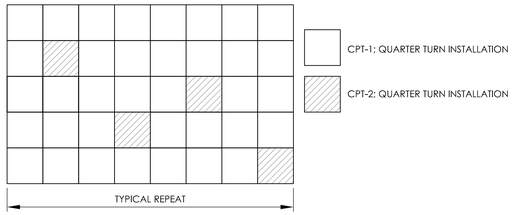








1 / I250 TYPICAL FLOOR TRANSITION DETAILS
SCALE: 1 1/2" = 1'-0"



2 / I250 TYPICAL 2-COLOR CPT PATTERN
SCALE: 1/4" = 1'-0"

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NEWBURGH, NEW YORK 12550
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REVISIONS NO.	DATE	BY	DESCRIPTION
1	3/12/21	ALH	BID ADDENDUM 2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	ALH	LT

SCALE: AS NOTED

SHEET TITLE
FINISH SCHEDULE & DETAILS

PROJECT NUMBER
15131.01

GEN
I250
DRAWING NUMBER

Plotted By: Ashley Hollenbeck
Date last plotted: 3/16/2021 5:31 PM
Date last accessed: 3/11/2021 9:55 AM
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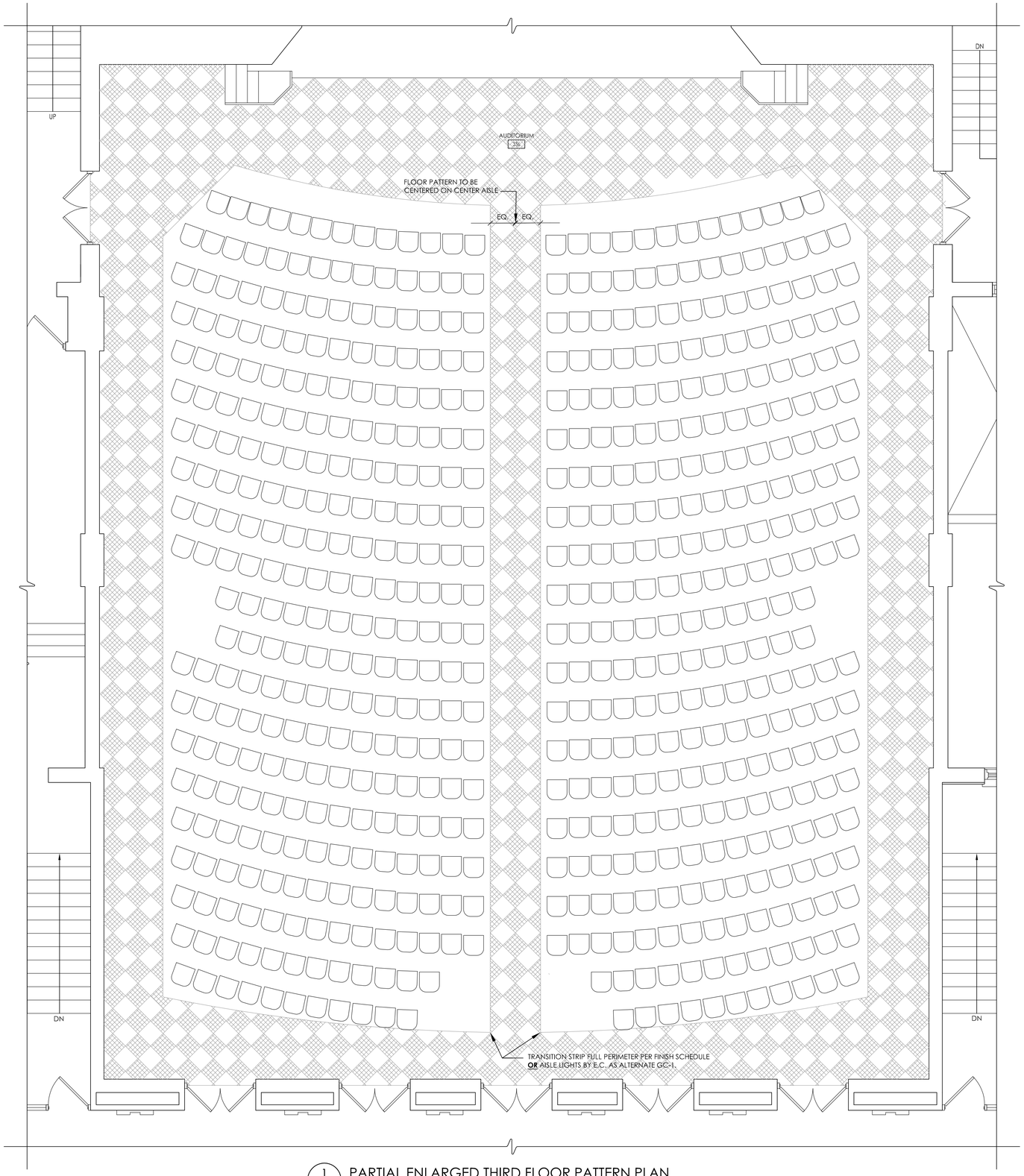
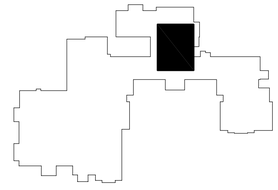


1 / I301 PARTIAL ENLARGED THIRD FLOOR PATTERN PLAN
SCALE: 1/4" = 1'-0"

FLOORING LEGEND:

SVT-1

SVT-2



KEY PLAN
SCALE: NTS

N

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REVISIONS

NO.	DATE	BY	DESCRIPTION

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT

60 ROWER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	ALH	LT

SCALE 1/4" = 1'-0"

SHEET TITLE
HIGH SCHOOL PARTIAL THIRD FLOOR PATTERN PLAN

PROJECT NUMBER
15131.01

PHS
I301
DRAWING NUMBER

Drawing Name: S:\Projects\Pleasantville UFSD\2019 Bond\D Design\06 CAD\Phase 2\AutoCAD\Interior\I3\PHS_I301.dwg
Date last accessed: 3/16/2021 3:36 PM
Date last plotted: 3/16/2021 5:45 PM
Plotted By: Ashley Hollenbeck

PIPING LEGEND

XX	PIPING BELOW GRADE
XX	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SAN	SANITARY SEWER
ST	STORM
LPG	PROPANE GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FP	FIRE PROTECTION/SPRINKLER
V	VENT
	PLUMBING TO BE REMOVED
WH-A	WATER HEATER ZONE ONE
WH-B	WATER HEATER ZONE TWO
EXP	EXPANSION
ETR	EXISTING TO REMAIN

FIXTURES & FITTINGS LEGEND

	TEE OUTLET - UP
	TEE OUTLET - DOWN
	CONNECTION - TOP
	ELBOW - TURNED UP
	ELBOW - TURNED DOWN
	PIPE CAP
	UNION
	FLANGE
	BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	PLUG VALVE
P	PRESSURE RELIEF VALVE
TP	TEMPERATURE-PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	COMBO ISOLATION, CHECK, BALANCE
	GAS PRESSURE REGULATOR
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
NFHB	NON FREEZE HOSE BIBB
FD / FS	FLOOR DRAIN
FS	FLOW SWITCH
PS	PRESSURE SWITCH
AQ	AQUASTAT
	PRESSURE GAUGE
	THERMOMETER
	STRAINER
	INLINE PUMP
A	WATER HAMMER ARRESTER
RPZ	REDUCED PRESSURE ZONE BACK FLOW PREVENTER
DCV	DOUBLE CHECK VALVE ASSEMBLY
	SPRINKLER HEAD
P	POINT OF CONNECTION
R	POINT OF REMOVAL

PLUMBING EQUIPMENT & FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	SAN	V	GAS	DESCRIPTION	MODEL
SH-A	SHOWER, ACCESSIBLE	1/2"	1/2"	2"	1 1/2"	-	ACCESSIBLE TERRAZZO BASE SHOWER BASIN. ADA HEIGHT CONTROLS WITH HAND SPRAYER. RECESS FLOOR AS REQUIRED FOR ADA COMPLIANCE.	ACORN SBADA-36-3F

GENERAL SPECIFICATION NOTES:

A. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES.

B. DOMESTIC WATER LINES SHALL BE TYPE L COPPER, LEAD FREE JOINTS. INSULATE ALL PIPING WITH PREFORMED FIBERGLASS PIPE INSULATION WITH ASJ COVER SIZED PER ENERGY CODE. ALL FITTINGS AND VALVES TO BE COVERED WITH PREFORMED PVC FITTING COVERS. ALL EXPOSED VERTICAL FIXTURE SUPPLY LINES TO BE COVERED WITH PVC JACKET TO 7' ABOVE FINISHED FLOOR.

C. UNDERGROUND SANITARY AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND SANITARY AND VET PIPING SHALL BE DWV COPPER WITH DWV COPPER FITTINGS OR NO-HUB CAST IRON.

D. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

E. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION. ANY CEILING SYSTEM COMPONENT DAMAGED DURING DEMOLITION, STORAGE, OR RE-INSTALLATION SHALL BE REPLACED WITH A NEW AT NO EXPENSE TO THE OWNER.

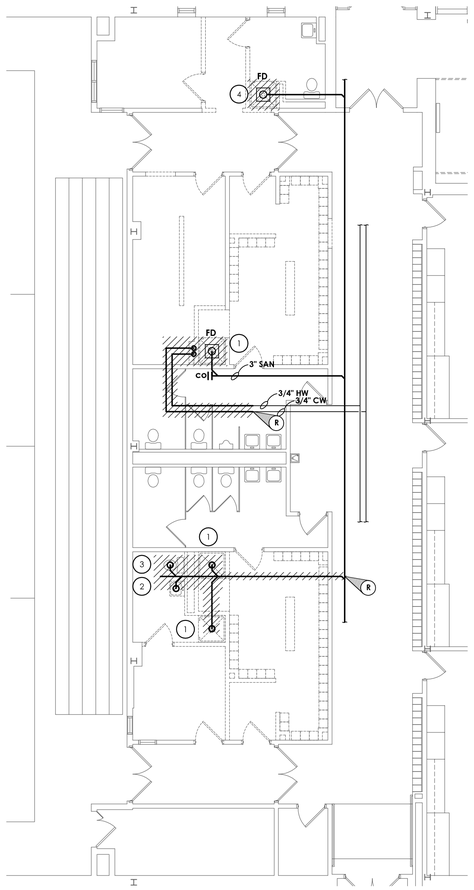
F. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.

G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PATCH AND FINISH ALL EXISTING PIPE PENETRATIONS AND TRENCHING THRU FLOOR AND WALLS AFTER DEMOLITION. IN ADDITION, ALL NEW PENETRATIONS AND TRENCHING SHALL BE PROVIDED FOR INSTALLATION OF PLUMBING SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, ETC.

H. UNLESS OTHERWISE INDICATED ON PLANS, PROVIDE WATER HAMMER ARRESTORS ON BRANCH PIPING TO EACH TOILET ROOM, LAUNDRY ROOM, SOLENOID VALVE, OR AS OTHERWISE REQUIRED BY CODE.

KEY DEMO NOTES:

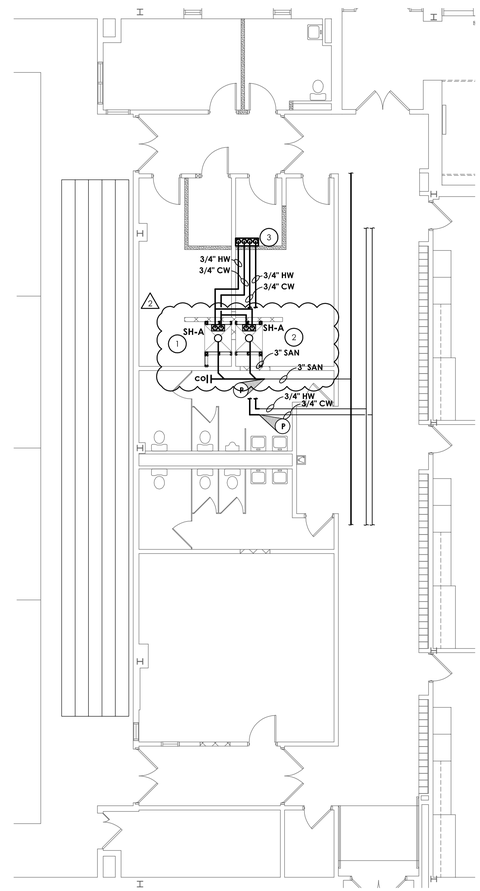
1. REMOVE EXISTING SHOWER FIXTURES. REMOVE PIPING BACK TO NEARED VALVE. PREPARE FOR NEW CONNECTION.
2. REMOVE EXISTING LAVATORY. REMOVE PIPING BACK TO MAIN AND CAP.
3. REMOVE EXISTING WATER CLOSET. REMOVE PIPING BACK TO MAIN AND CAP.
4. REMOVE EXISTING SHOWER. REMOVE HW/CW/SAN PIPING BACK TO MAIN AND CAP.



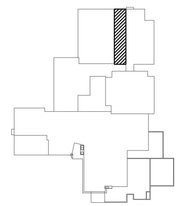
1 P200 **FIRST FLOOR PLUMBING DEMOLITION PLAN**
SCALE: 1/8" = 1'-0"

KEY NOTES:

1. PROVIDE NEW SHOWER BASIN AND SURFACE MOUNTED SHOWER FAUCET. SHOWER SHALL BE ADA COMPLIANT. RECESS FLOOR FOR ADA COMPLIANCE OF SHOWER BASE. CUT SLAB AS NEEDED FOR INSTALLATION OF NEW SHOWER DRAIN. EXTEND EXISTING UTILITIES TO NEW SHOWER. PROVIDE 3/4" HW/CW TO SHOWER.
2. PROVIDE NEW SHOWER BASIN AND SURFACE MOUNTED SHOWER FAUCET. SHOWER SHALL BE ADA COMPLIANT. RECESS FLOOR FOR ADA COMPLIANCE OF SHOWER BASE. CUT SLAB AS NEEDED FOR INSTALLATION OF NEW SHOWER DRAIN. EXTEND EXISTING UTILITIES TO NEW SHOWER. PROVIDE 3/4" HW/CW TO SHOWER.
3. PROVIDE WITH NEW LOCKABLE VALVE BOX. VALVE BOX SHALL HAVE TWO LINESIZE BALL VALVES FOR SHOWER SHUTOFF.



2 P200 **FIRST FLOOR PLUMBING NEW WORK PLAN**
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NTS

N

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REVISIONS NO.	DATE	BY	DESCRIPTION
2	3/18/2021	NRH	RFI #2

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL IMPROVEMENTS PROJECT
40 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	NRH	NRH

SCALE AS SHOWN

SHEET TITLE
FIRST FLOOR PLUMBING DEMOLITION AND NEW WORK PLAN

PROJECT NUMBER
15131.01

PMS
P200
DRAWING NUMBER