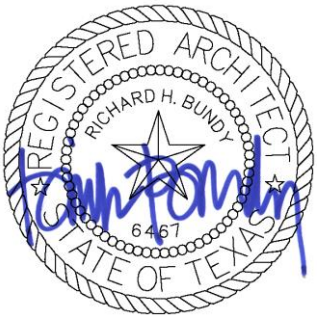
Daniel Building Renovation for:
Midwestern State University
Wichita Falls, Texas



BYSP PROJECT NO. 18071 *September 15, 2020*

TO: All Contract Bidders of Record

The following changes are hereby made a part of the Plans and Specifications the same as if written therein.

Acknowledge receipt of this addendum by inserting its number and date in the Contractor's Bid Proposal. Failure to do so may subject bidder to disqualification. This addendum forms a part of the Contract Documents and modifies them as follows:

CLARAFICATIONS:

Item No. 1:
Pre-bid Meeting:

Meeting is scheduled to be held in the Dillard Building - Room 329 as outlined in the RFP at the stated date and time. After the initial comments and question time the meeting will move the project site and contractors will be allowed to walk the Daniel building and ask additional questions of the design team and owners representatives.

SPECIFICATIONS:

Item No. 2:
Request for Proposals
Page 3, 1.2 Issuing Office:
The correct Issuing Office address is: 2733 Midwestern Parkway (new location) instead of 3410 Taft Blvd., Daniel Bldg., Room 200

Item No. 3:
Section 084413 Glazed Aluminum Curtain Wall:
Add the section to the project specifications, see attached to this addendum.

DRAWINGS:

Item No. 4:
Sheet AD102: Second Floor Demolition
At Stair "C" the existing door on the upper level shall remain as existing and not be removed in this phase.

Item No. 5:
Sheet A102: First Floor Plan - Notes
Replace drawing A102 issued 08/24/2020 with the attached drawing A102.
Changes include:

1. Refer attached revised sheet A102 showing new line of flooring type change at Seating A102B.
2. Add section marker labeled 1/A803 running East/West through Elevator shaft and remove section marker labeled 5/A405.
3. Add section marker labeled 5/A405 running East/West through East wall of Mens Restroom A123 behind the urinals.
4. At Storage A109 change the finish (flooring) indicator to 1-A-1 in lieu of 7-A-1.
5. At Storage A131 change the finish (flooring) indicator to 3-E-1 in lieu of 10-E-1.
6. At Coffee A130 change the finish (flooring) indicator to 3-C-4/5 in lieu of 10-C-4/5.
7. Change keynotes located near door A145 and A145A to 41 in lieu of 43.

Item No. 6:
Sheet A102/A103: Legend
Change Corner Guard height to 8'-0" tall in lieu of 4'-0"

Item No. 7:
Sheet A102/A103/A104: Room Material Code List
Change Walls/Wainscot section "C" to read "Porcelain Wall Tile, Refer Interior Elevations for Type and Locations".

Item No. 8:
Sheet A102/A103/A104: Keynotes
Change note 7 to read "Plate mirror mounted @ 38" AFF to bottom per interior elevations".

Item No. 9:
Sheet A103: Second Floor Plan - Notes
Add section marker labeled 1/A803 running East/West through Elevator shaft and remove section marker labeled 5/A405.

Item No. 10:
Sheet A103: Second Floor Plan - Notes
Add Keynote 28 for fire extinguisher cabinets at locations listed below.

- West wall of Passage A202
- South wall of Stair B A211
- West wall of Stair D A206

DRAWINGS CONT'D:

Item No. 11:
Sheet A103: Second Floor Plan - Notes
Add Keynote 29 for fire extinguisher at locations listed below.

- North wall of Existing Mech./Elec. Room to right of door
- North wall of AHU Room A210 next to door
- East wall of AHU Room A209 next to door
- South wall of AHU Room A208 next to door

Item No. 12:
Sheet A104: Enlarged plans
Replace drawing A104 issued 08/24/2020 with the attached drawing A104.
Changes include:

1. 6 Enlarged Coffee Plan - Add Keynote 29 for fire extinguisher at South wall of Storage A131, remove keynote 29 on North wall
2. 6 Enlarged Coffee Plan - At Restroom G104 change the finish (flooring) indicator to 1-B-1 in lieu of 2-B-1.
3. 6 Enlarged Coffee Plan - At Storage G102 change the finish (flooring) indicator to 1-A-1 in lieu of 2-A-1.
4. 7 Floor Plan – Add. Alt. #2
5. At Multi-Purpose Room A139 change the finish (ceiling) indicator to 8-F-3/5 in lieu of 8-F-1/5.
6. 5 Enlarged Public Restrooms - Changes to the standard and ambulatory toilet stall dimensions and door sizes.

Item No. 13:
Sheet A201: Door & Window Schedule
Replace drawing A201 issued 08/24/2020 with the attached drawing A201.
Changes include:

1. Door Schedule – Change opening A142 construction type to HM and frame type to HM in lieu of AL.
2. Door Schedule – Change openings A110 and A114 door elevations type to B in lieu of A.
3. Window Schedule – See revised sheet for changes to overall height of window type A & C and for updated section marks for all windows in clouded area.

Item No. 14:
Sheet A405 Partition Sections:
Replace drawing A405 issued 08/24/2020 with the attached drawing A405.
Changes include: Addition of partition 5 for chase at urinal wall of Men's Restroom.

Item No. 15:
Sheet A406 Wall Sections:
Replace drawing A406 issued 08/24/2020 with the attached drawing A406.
Changes include: Changes to reflect structural drawings, refer clouded area.

DRAWINGS CONT'D:

Item No. 16:
Sheet A503 Interior Details:
Replace drawing A405 issued 08/24/2020 with the attached drawing A405.
Changes include: Additional exterior details 1-4

Item No. 17:
Sheet A504 Roof Details:
Detail 1 – Change reference key for metal scupper note to 7/A504

Item No. 18:
Sheet M001 Mechanical General Notes & Legends:
Replace drawing M001 issued 08/24/2020 with the attached drawing M001.
General notes have been updated to meet college requirement.

Item No. 19:
Sheet M002 Mechanical Schedules:
Replace drawing M002 issued 08/24/2020 with the attached drawing M002.

Item No. 20:
Sheet M002: Mechanical Schedules
Mechanical schedules have been updated.

1. Basis of design of exhaust fans, and air hood has been updated.
2. Approved AHU VFD manufacturer has been changed to meet college requirement.
3. AHU-2 electrical data and weight have been updated
4. Transfer air grille type "P" has been added.

Item No. 21:
Sheet M201: First Floor Mechanical Plan
Replace drawing M201 issued 08/24/2020 with the attached drawing M201.
Changes include:

1. Adding transfer air path from community commons to Multi-purpose space.
2. air device type and associated ductwork has been changed in Corridor A134 and East vestibule A133, Entry A116
3. Main supply and return duct locations in Suite C and suite D has been relocated.
4. Transfer air ducts have been provided in between Suite E and Suite F.

Item No. 22:
Sheet M202: Second Floor Mechanical Plan
Replace drawing M202 issued 08/24/2020 with the attached drawing M202.
Changes include:

1. AHU-3 and AHU-4 main duct chases have been relocated.
2. Air device type in East Entry 114 has been updated. Associated ductwork has been modified.
3. Existing fan coil unit and ductwork that serving 2nd floor core area is shown.

DRAWINGS CONT'D:

Item No. 23:
Sheet M203: Mechanical Roof Plan
Adding equipment tag.

Item No. 24:
Sheet E202: Second Floor Power Plan
AHU-2 breaker is changed to 30 Amps from 45 Amps

END OF ADDENDUM

BYSParchitects

RFP#735-20-8225

Daniel Building Renovation

Questions from Contractors/Vendors

August 10, 2020

1. Could you tell me what the estimated budget is for this project?
   Response: (SW/KO) Estimated Construction Cost is $4.2 MM.

2. I am currently working on our proposal for the Daniel Building renovation project on the cover of the drawings it stated pages A801, A802, A803 are issued by addendum. When can we expect for this addendum will be released or will it be discussed at the site visit on the 17th of September?
   Response: There is an addendum scheduled to be released by September 15, 2020

3. Clarification: if bidders *drop off* a hard copy for bid submission.

   The correct address is: 2733 Midwestern Parkway (new location)
   instead of 3410 Taft Blvd., Daniel Bldg., Room 200

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes glazed aluminum curtain walls.

B. **For Structural Requirements see "Structural General Notes"**.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at **Project site**.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Include plans, elevations, sections, full-size details, and attachments to other work.

1. Show connection to and continuity with adjacent thermal, weather, air, and vapor barriers.

C. Samples: For each exposed finish required.

D. Delegated-Design Submittal: For glazed aluminum curtain walls indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.4 INFORMATIONAL SUBMITTALS

A. Energy Performance Certificates: NFRC-certified energy performance values from manufacturer.

B. Product test reports.

C. Field quality-control reports.

D. Sample warranties.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

B. Product Options: Information on Drawings and in Specifications establishes requirements for aesthetic effects and performance characteristics of assemblies. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction.

1. Do not change intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If changes are proposed, submit comprehensive explanatory data to Architect for review.

1.7 WARRANTY

A. Special Assembly Warranty: **Manufacturer** agrees to repair or replace components of glazed aluminum curtain wall that do not comply with requirements or that fail in materials or workmanship within specified warranty period.

1. Warranty Period: **Five** years from date of Substantial Completion.

B. Special Finish Warranty: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of factory-applied finishes within specified warranty period.

1. Warranty Period: **10** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design glazed aluminum curtain walls. **For Structural Requirements see "Structural General Notes"**.

B. General Performance: Comply with performance requirements specified, as determined by testing of glazed aluminum curtain walls representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.

1. Glazed aluminum curtain walls shall withstand movements of supporting structure including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
2. Failure also includes the following:

a. Thermal stresses transferring to building structure.
b. Glass breakage.
c. Noise or vibration created by wind and thermal and structural movements.
d. Loosening or weakening of fasteners, attachments, and other components.

e. Failure of operating units.

C. Structural Loads:

1. Wind Loads: **As indicated on Structural Drawings. See structural notes.**

D. Deflection of Framing Members: At design wind pressure, as follows:

1. Deflection Normal to Wall Plane: Limited to **1/175 of clear span for spans up to 13 feet 6 inches (4.1 m) and to 1/240 of clear span plus 1/4 inch (6.35 mm) for spans greater than 13 feet 6 inches (4.1 m)** or an amount that restricts edge deflection of individual glazing lites to 3/4 inch (19.1 mm), whichever is less.
2. Deflection Parallel to Glazing Plane: Limited to **1/360 of clear span or 1/8 inch (3.2 mm), whichever is smaller**.

a. Operable Units: Provide a minimum 1/16-inch (1.6-mm) clearance between framing members and operable units.

3. Cantilever Deflection: Where framing members overhang an anchor point, as follows:

a. Perpendicular to Plane of Wall: **No greater than 1/240 of clear span plus 1/4-inch (6. 35-mm) for spans greater than 11 feet 8-1/4 inches (3.6 m) or 1/175 times span, for spans less than 11 feet 8-1/4 inches (3.6 m).**

E. Structural: Test according to ASTM E 330 as follows:

1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.
2. When tested at **150** percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, or permanent deformation of main framing members exceeding **0.2** percent of span.
3. Test Durations: As required by design wind velocity, but not less than **10** seconds.

F. Air Infiltration: Test according to ASTM E 283 for infiltration as follows:

1. Fixed Framing and Glass Area:

a. Maximum air leakage of **0.06 cfm/sq. ft. (0.30 L/s per sq. m)** at a static-air-pressure differential of **6.24 lbf/sq. ft. (300 Pa).**

G. Water Penetration under Static Pressure: Test according to ASTM E 331 as follows:

1. No evidence of water penetration through fixed glazing and framing areas when tested according to a minimum static-air-pressure differential of 20 percent of positive wind-load design pressure, but not less than **12 lbf/sq. ft. (575 Pa).**

H. Energy Performance: Certify and label energy performance according to NFRC as follows:

1. Thermal Transmittance (U-factor): Fixed glazing and framing areas shall have U-factor of not more than **0.45 Btu/sq. ft. x h x deg F (2.55 W/sq. m x K)** as determined according to NFRC 100.

2. Solar Heat Gain Coefficient: Fixed glazing and framing areas shall have a solar heat gain coefficient of no greater than **0.40** as determined according to NFRC 200.
3. Condensation Resistance: Fixed glazing and framing areas shall have an NFRC-certified condensation resistance rating of no less than **67** as determined according to NFRC 500.

I. Thermal Movements: Allow for thermal movements resulting from ambient and surface temperature changes:

1. Temperature Change: **120 deg F (67 deg C)**, ambient; 180 deg F (100 deg C), material surfaces.

2.2 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

B. Basis-of-Design Product: Subject to compliance with requirements, provide **Kawner 1600 System 1** or comparable product by one of the following:
1. EFCO Corporation.
2. Kawneer North America.
3. United States Aluminum.

2.3 FRAMING

A. Framing Members: Manufacturer's extruded- or formed-aluminum framing members of thickness required and reinforced as required to support imposed loads.

1. Construction: **Thermally broken**.
2. Glazing System: **Retained mechanically** with gaskets on four sides.
3. Glazing Plane: **Front**.
4. Finish: **Clear anodic finish**.
5. Fabrication Method: **Either factory and/or field-fabricated system**.

B. Pressure Caps: Manufacturer's standard aluminum components that mechanically retain glazing.

1. Include snap-on aluminum trim that conceals fasteners.

C. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.

D. Materials:

1. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

a. Sheet and Plate: ASTM B 209 (ASTM B 209M).
b. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
c. Extruded Structural Pipe and Tubes: ASTM B 429/B 429M.
d. Structural Profiles: ASTM B 308/B 308M.

2. Steel Reinforcement: Manufacturer's standard zinc-rich, corrosion-resistant primer complying with SSPC-PS Guide No. 12.00; applied immediately after surface preparation and pretreatment. Select surface preparation methods according to recommendations in SSPC-SP COM, and prepare surfaces according to applicable SSPC standard.

   a. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
   b. Cold-Rolled Sheet and Strip: ASTM A 1008/A 1008M.
   c. Hot-Rolled Sheet and Strip: ASTM A 1011/A 1011M.

2.4 GLAZING

A. Glazing: Comply with Section 088000 "Glazing."

B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.

C. Glazing Sealants: As recommended by manufacturer.

D. Sealants used inside the weatherproofing system shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.5 FABRICATION

A. Form or extrude aluminum shapes before finishing.

B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

C. Fabricate components that, when assembled, have the following characteristics:

1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fitted joints with ends coped or mitered.
3. Physical and thermal isolation of glazing from framing members.
4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
5. Provisions for field replacement of glazing from **exterior**.
6. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
7. Components curved to indicated radii.

D. Fabricate components to resist water penetration as follows:

1. Internal guttering system or other means to drain water passing joints, condensation occurring within framing members, and moisture migrating within glazed aluminum curtain wall to exterior.

2. Pressure-equalized system or double barrier design with primary air and vapor barrier at interior side of glazed aluminum curtain wall and secondary seal weeped and vented to exterior.

E. Factory-Assembled Frame Units:

1. Rigidly secure nonmovement joints.
2. Prepare surfaces that are in contact structural sealant according to sealant manufacturer's written instructions to ensure compatibility and adhesion.
3. Preparation includes, but is not limited to, cleaning and priming surfaces.
4. Seal joints watertight unless otherwise indicated.
5. Install glazing to comply with requirements in Section 088000 "Glazing."

F. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.6 ALUMINUM FINISHES

A. Clear Anodic Finish: **#14 Clear Anodized Aluminum AAMA 611, AA-M12C22A41, Architectural Class I, 0.7 mils** or thicker.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:

1. Comply with manufacturer's written instructions.
2. Do not install damaged components.
3. Fit joints to produce hairline joints free of burrs and distortion.
4. Rigidly secure nonmovement joints.
5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
6. Where welding is required, weld components in concealed locations to minimize distortion or discoloration of finish. Protect glazing surfaces from welding.
7. Seal joints watertight unless otherwise indicated.

B. Metal Protection:

1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with primer, applying sealant or tape, or installing nonconductive spacers as recommended by manufacturer for this purpose.
2. Where aluminum is in contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.

C. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within glazed aluminum curtain wall to exterior.

D. Install components plumb and true in alignment with established lines and grades.

E. Install glazing as specified in Section 088000 "Glazing."

3.2 FIELD QUALITY CONTROL

A. Subcontractor and Manufacturer Rep shall perform water test per below:

B. Test Area: Perform tests on **one bay at least 30 feet (9.1 m), by one story or representative areas of glazed aluminum curtain walls**.

C. Field Quality-Control Testing: Perform the following test on **representative areas of glazed aluminum curtain walls**.

1. Water-Spray Test: Before installation of interior finishes has begun, areas designated by Architect shall be tested according to AAMA 501.2 and shall not evidence water penetration.

a. Perform a minimum of **three** tests in areas as directed by Architect.

D. Glazed aluminum curtain walls will be considered defective if they do not pass tests and inspections.

E. Prepare test and inspection reports.

END OF SECTION 084413

LEGEND

- EXISTING WALL
- EXISTING FIRE WALL
- CMU WALL
- STUD WALL
- EXISTING CONCRETE OR MASONRY WALL WITH METAL STUD FURRING
- 60 MINUTE FIRE RATED CONSTRUCTION
- EXISTING 2 HOUR FIRE WALL

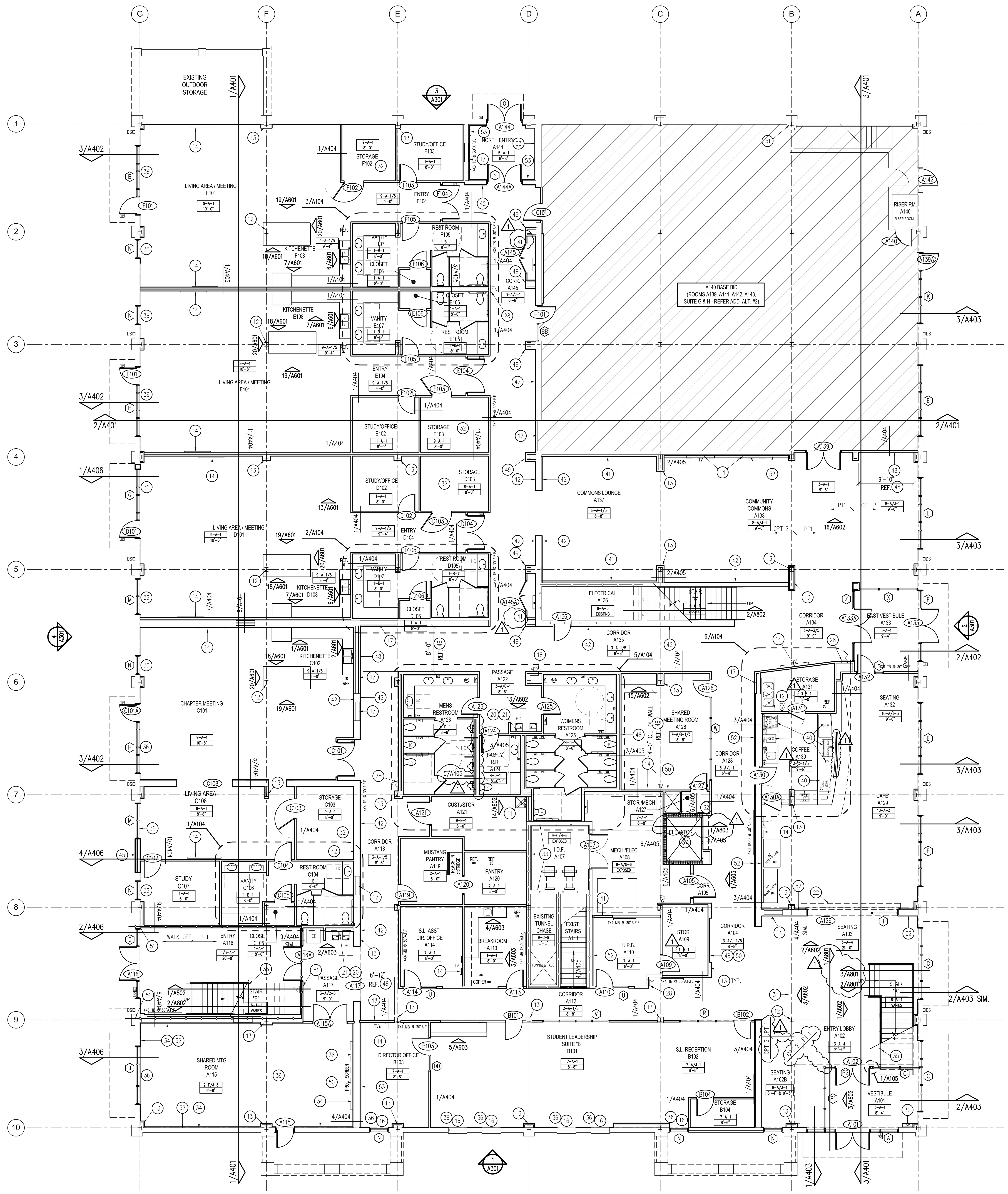
WALL NOTES:
1. AT METAL STUD WALLS LOCATE VERTICAL GYP. BRD. CONTROL JOINTS @ 24'-0" O.C. MAX. - REF. 3/A405

- X/XX — INTERIOR ELEVATION REFERENCE MARKS
- X/XX — PARTITION REFERENCE MARKS
- X / XXXX, X/XX — ELEVATION/SECTION MARKS
- (1) — DOOR SCHEDULE MARK - REF. A201
- (A) — GLAZING SCHEDULE MARK - REF. A201 & A202
- (1) — KEYNOTE MARK
- MB 8'x4' — MARKER BOARD (B)
- TB 4'x4' — TACK BOARD (B)
- ROOM NAME 107, 2-C-2, 8'-11" (WALL FINISH, CEILING FINISH, FLOOR FINISH, CEILING HEIGHT) — ROOM NAME/NO & MATL CODE LIST MARK
- FX — FIRE EXTINGUISHER ON BRACKET
- FX — RECESSED FIRE EXTINGUISHER CABINET
- CG — CORNER GUARDS (8'-0" TALL) 1
- EQUIPMENT (A) — OWNER FURNISHED/CONTRACTOR INSTALLED
- EQUIPMENT (B) — OWNER FURNISHED/OWNER INSTALLED
- SD — SOAP DISPENSER, SEE KEY NOTE 8
- PTD — PAPER TOWEL DISPENSER, SEE KEY NOTE 9
- TPD — TOILET PAPER DISPENSER, SEE KEY NOTE 7
- SND — SANITARY NAPKIN, SEE KEY NOTE 11
- 36" GRAB BAR, SEE KEY NOTE 4
- 48" GRAB BAR, SEE KEY NOTE 5

ROOM MATERIAL CODE LIST

	FLOOR/BASE		WALLS/WAINSCOT		CEILING
1	LUXURY VINYL TILE (LVT1) W/ 4" RUBBER BASE	A	5/8" TYPE X GYP. BOARD - TEXTURE AND PAINT	1	2' x 2' SUSPENDED ACOUSTICAL CEILING TILE AND GRID (TYPE 1)
2	LUXURY VINYL PLANK (LVP1) W/ 4" MOULDED RUBBER BASE	B	PORCELAIN WALL TILE FULL HGT OF 12"x24" (PT1) W/ ACCENT TILE AT VANITY SPACE	2	SUSPENDED GYP. CEILING , TAPE, BED, TEXTURE, PAINT
3	12" x 24" PORCELAIN TILE (PT1) RUNNING BOND W/ 4" RUBBER BASE	C	PORCELAIN WALL, REF INTERIOR ELEVATIONS FOR TYPE AND LOCATIONS	3	EXPOSED STRUCTURE (NOTE 1) W/SUSPENDED CEILING TILE CLOUDS WITH 4" AXIOM PERIMETER TRIM
4	24" x 24" PORCELAIN TILE (PT1) RUNNING BOND W/ TILE BASE (NOTE 2)	D	12"x24" PORCELAIN WALL TILE (PT1) FULL HGT W/ ACCENT COLOR (PT4) TILE BAND @ 48" A.F.F	4	ACOUSTICAL PANELS 2'x2' WOOD CEILING TILES AS SPECIFIED
5	WALK-OFF ENTRY FLOORING W/ 4" RUBBER BASE	E	FRP FULL HGT	5	GYP. BOARD FUR DOWNS ON METAL STUD FRAMING, TEXTURE AND PAINT
6	VINYL TILE (SV-1) W/ 4" RUBBER BASE & TREADS	F	5/8" TYPE X GYP BD, TEXTURE, PAINT; PROVIDE CHAIR RAIL AS SPECIFIED	6	EXPOSED STRUCTURE (NOTE 1)
7	CARPET TILES (CPT 1) W/4" RUBBER BASE	G	EXISTING WALL SURFACE TO REMAIN, PAINT	7	EXISTING CEILING TO REMAIN, PAINT
8	CARPET TILES (CPT 2) W/4" MOULDED RUBBER BASE	H	3/4" PAINTED PLYWOOD	8	1 HOUR RATED GYP BOARD ASSEMBLY TEXTURE, PAINT
9	EXISTING CONCRETE -SEALED W/ 4" RUBBER BASE	J	SPECIALTY ACCENT WALL COVERING, REF. KEY NOTES	9	EXISTING TO REMAIN
10	SPECIALTY PORCELAIN TILE REFER SPECIFICATIONS (PT2)	K	5/8" GYP BOARD; TAPE & BED NO PAINT OR TEXTURE	10	

ROOM MATERIAL NOTES:
1. PAINT EXPOSED STEEL STRUCTURE, METAL DECKING, CONDUITS, PIPES, DUCTWORK & INSULATION.
2. WALLS SCHEDULED WITH TILE SHALL HAVE FULL SIZE TILE AT BASE AND NO 4" TILE BASE
3. REFER TO A106 & A107 RCP FOR CEILINGS WITH MULTIPLE FINISHES AND A601-A603 INTERIOR ELEVATIONS FOR EXTENT OF SPECIALTY FINISHES



1 FIRST FLOOR PLAN - NOTES
SCALE: 1/8" = 1'-0" (1/16" on 15x21)
25,200 SF.

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR UNFORESEEN CONDITIONS AS SOON AS THEY ARE DISCOVERED.
2. ALL WALL DIMENSIONS ARE TO FACE OF EXISTING OR NEW FRAMING MEMBERS OR FACE OF MASONRY, CENTER LINE OF WINDOW, AND CENTER LINE OF COLUMNS. DOOR OPENING DIMENSIONS ARE TO EDGE OF OPENING. NOTIFY ARCHITECT IMMEDIATELY IF ANY DIMENSIONAL DISCREPANCIES OCCUR.
3. CONTRACTOR TO PROVIDE CORNER CUARDS, NUMBER REQUIRED = 50
4. FINISH FLOOR ELEVATION 100'-0" IS REFERENCE ONLY. ELEVATION RELATED TO 100'-0" REFERENCE ELEVATION = 973.61 MEAN SEA LEVEL. REFER CIVIL.
5. PARTITIONS SHALL BE SCHEDULE AS 1/A404 UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS NOTED WITH *CLR OR *CLEAR ARE TO FINISHED SURFACE.
7. ALL FURNITURE BY OWNER N.I.C.

KEY NOTES

1. 36" GRAB BAR (BOBRICK B-5806, 36", 18 GA.) MOUNTED AT 35" A.F.F. REF. INTERIOR ELEVATIONS
2. 48" GRAB BAR (BOBRICK B-5806, 48", 18 GA.) MOUNTED AT 35" A.F.F. REF. INTERIOR ELEVATIONS
3. VERT. GRAB BAR (BOBRICK B-5806, 18", 18 GA.) REF. INTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS
4. TOILET PAPER DISPENSER MOUNTED AT 47" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
5. SOAP DISPENSER MOUNTED AT 40" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
6. PAPER TOWEL DISPENSER MOUNTED AT 40" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
7. PLATE MIRROR MOUNTED @ 38" A.F.F. TO BOTTOM, PER INTERIOR ELEV.
8. SANATARY NAPKIN DISPOSAL (BOBRICK B-270), MOUNTED AT 24" A.F.F. TO BOTTOM.
9. BRADLEY ROBE HOOK-932-00MOUNTED @ 42" A.F.F.
10. BRADLEY ROBE HOOK-932-00MOUNTED @ 60" A.F.F.
11. MOP/BROOM HOLDER w/ SHELF (BOBRICK B224, 36" 8" DEEP SHELF, HOOKS, ROD) MOUNTED @ 60" A.F.F. TO BOTTOM OF SHELF
12. EXPOSED STEEL COLUMN, PAINT AS SCHEDULED, TYP.
13. GYP. BOARD FURR OUT OVER EXISTING COLUMNS AND CMU, TEXTURE & PAINT
14. PROVIDE BLOCKING FOR TV MOUNTING BRACKET, POWER & DATA SYSTEM(A) FOR TV BY OWNER, REF. TECHNOLOGY ELECT. DWGS.
15. FRP WAINSCOT TO 60" A.F.F. W/ GYP. BRD. ABOVE.
16. SOLID SURFACE WINDOW SILLS TYP.
17. INFILL EXISTING, OPENING WITH 3 5/8" METAL STUDS AND 5/8" GYP. BD.
18. AED UNIT & CABINET AT 48" A.F.F. REFER TO EQUIPMENT LIST
19. STEEL HANDRAILS, PAINT
20. ELECTRIC WATER COOLERS. REFER PLUMBING.
21. 24" x 12" PORCELAIN TILE FULL HT. AT EWC.
22. OVERHEAD SECURITY GRILLE, REFER DOOR SCHEDULE & ELECT. DWGS.
23. EXISTING WALL TO REMAIN, PAINT AS SCHED.
24. 24" TALL GLASS PARTITION W/ 3/16" LAMINATED GLASS
25. STEEL GUARD RAIL WITH WOOD TOP RAIL & WIRE CABLE SYSTEM
26. OVERHEAD BRACED, FLOOR MOUNTED TOILET PARTITION, REF SPECIFICATIONS
27. FLOOR MOUNTED URINAL PARTITION
28. FX FIRE EXTINGUISHER CABINETS, REF. SPECIFICATIONS
29. FX FIRE EXTINGUISHER ON BRACKET
30. FACP - FIRE ALARM ANNUNCIATOR CONTROL PANEL, REF. ELECTRICAL
31. GYP. FURR DOWN @ CEILING, REF. REFLECTED CEILING PLAN'S & DETAILS
32. PROVIDE ADDITIONAL BLOCKING IN WALLS FOR FUTURE SHELVES @ 24" VERTICALLY UP TO 9'-0"
33. PROVIDE 3/4" PLY WOOD OVER STUDS & 5/8" GYP. - PAINT TO MATCH WALLS
34. PROVIDE CHAIR RAIL ON ALL WALLS IN ROOM
35. PROVIDE RAIL OR SCREEN BELOW STAIRS TO PREVENT HEAD BUMPS
36. PROVIDE SOLAR ROLLER SHADES, AS SPECIFIED
37. ELEVATOR - PROVIDE 1 HOUR RATED SHAFT WITH PENTHOUSE, SEE A109, AND COMPONENTS FOR FUTURE INSTALLATION OF EQUIPMENT - REF. SPECIFICATIONS FOR ELEVATOR SCOPE.
38. PROVIDE BLOCKING & POWER @ WALL FOR PROJECTION SCREEN (12'-0" WIDE) MOUNTED @ 10'-0" A.F.F.
39. PROVIDE STL. MOUNTING PLATE & STRUCTURE FOR CEILING MOUNTED PROJECTOR (B); PROVIDE POWER & DATA
40. EQUIPMENT PROVIDED & INSTALLED BY 3RD PARTY VENDOR
41. 3 5/8" METAL STUDS @ 16" O.C. MAX. - CLAD w/ 5/8" TYPE X GYP. WALL BOARD.
42. 7/8" METAL HAT CHANNELS @ 16" O.C. MAX. - CLAD w/ 5/8" TYPE X GYP. WALL BOARD.
43. RELOCATED STAIRS FROM DEMO PLAN AD102
44. EXISTING STEP IN STRUCTURE FIN. FLOOR 114'-0" A.F.F.
45. INFILL EXTERIOR WALL W/ RECLAIMED BRICK VENEER FROM EAST SIDE DEMO.
46. 12" LONG x 5" PRODUCT ID: 168167992# SHELF BY STARUNDER; MECHANICALLY FASTEN TO WALL. MOUNT ON OPPOSITE SIDE OF FLUSH VALVE CONTROL.
47. TEMPORARY WALL PARTITION
48. PROVIDE IN WALL BLOCKING BETWEEN STUDS 48" TALL x WIDTH SHOWN ON DIMENSION.
49. TAPE AND BED GYP. COLUMN FURR OUTS; DO NOT TEXTURE, OWNER WILL INSTALL COVERS OVER FURR OUTS.
50. VINYL WALL COVERING FULL LENGTH AND HEIGHT OF WALL.
51. VERIFY 1 HOUR RATED STAIR SHAFT IS PROPERLY AND CONTINUOUSLY CAULKED, SEALED, AND RATED TO EXTERIOR FACE OF WALL, AND THE BOTTOM OF THE FLOOR SLAB AND UNDERSIDE OF ROOF.
52. 1 5/8" METAL STUD (FURRING) @ 16" O.C. MAX. w/ 5/8" TYPE X GYP. WALL BD.
53. 2 1/2" METAL STUD (FURRING) @ 16" O.C. MAX. w/ 5/8" TYPE X GYP. WALL BD.

REV	DATE	DESCRIPTION	APPR
1	09/14/2020	ISSUED WITH ADDENDUM NO. 1	

REGISTERED ARCHITECT RICHARD H. BUNDY 6467 STATE OF TEXAS
AUGUST 24, 2020

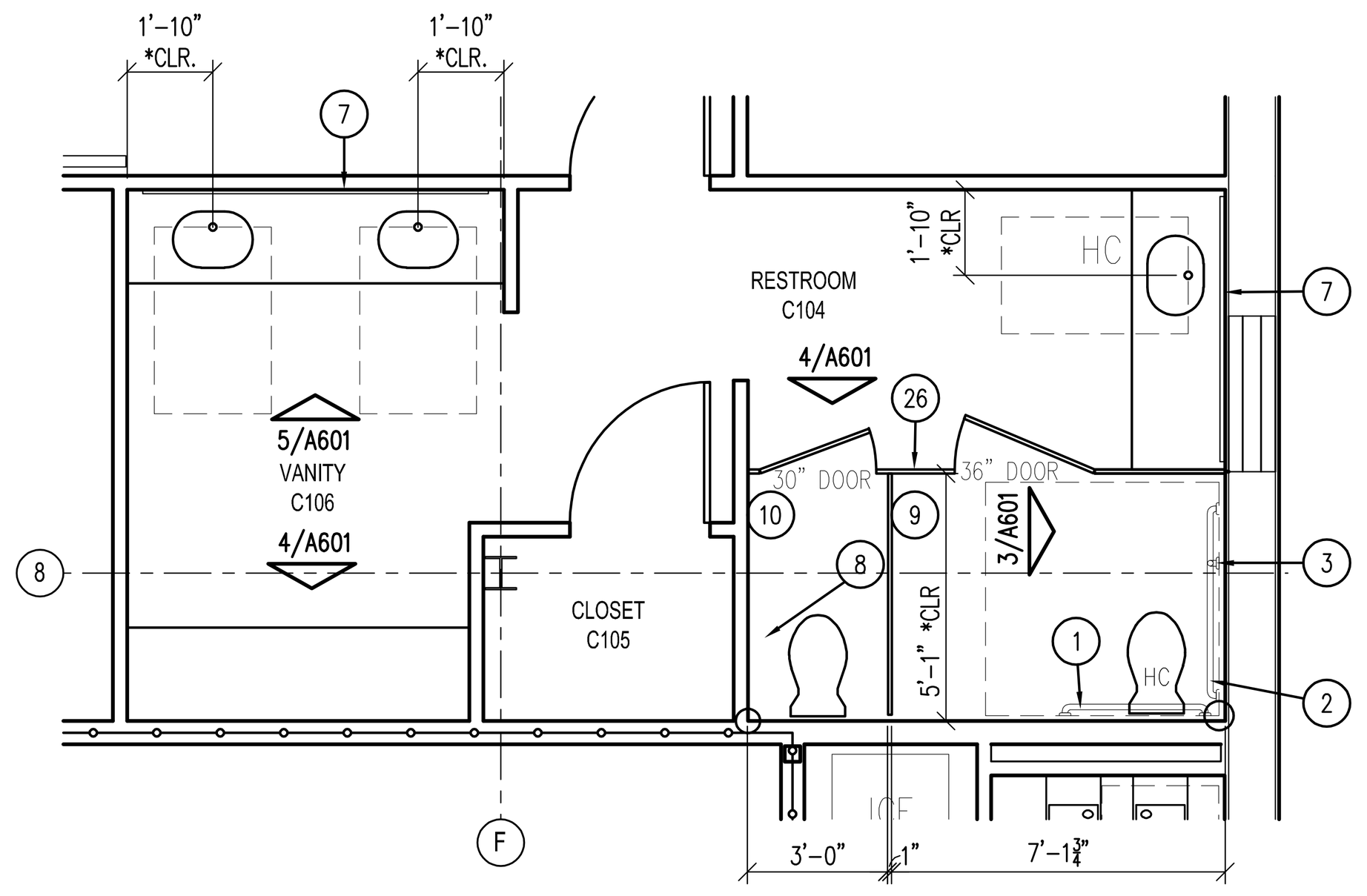
DANIEL BUILDING RENOVATION
J.S. BRIDWELL ACTIVITIES CENTER & CANNEDY GREEK COMMONS

MSU TEXAS MIDWESTERN STATE UNIVERSITY

BYSParchitects
1005 Ninth Street - Suite 200 Wichita Falls, Texas 76301 (940) 761-2404
Member American Institute of Architects

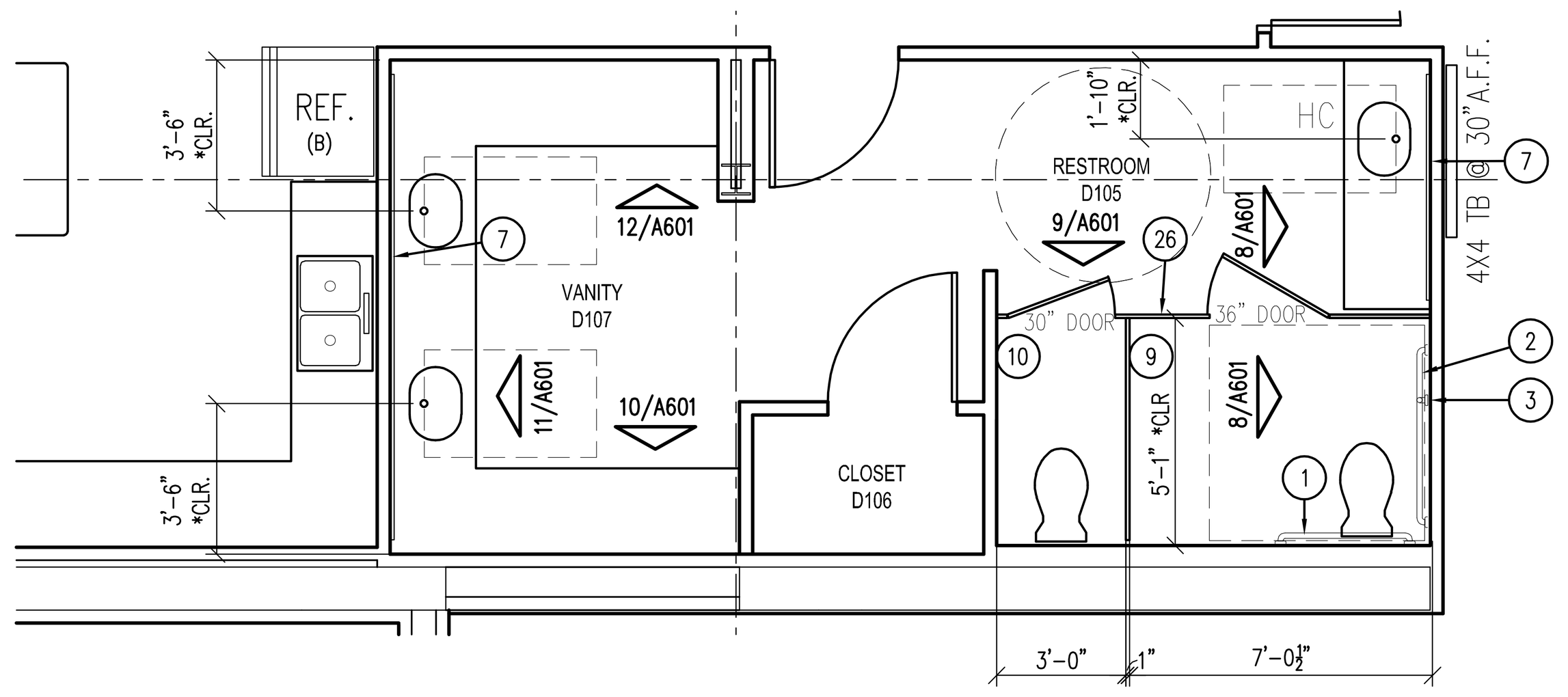
DRAWN BY	SW/CSW
CHECKED BY	RHB
DATE	08/24/2020
PROJECT NO.	18071

1ST FLOOR PLAN -NOTES
A102



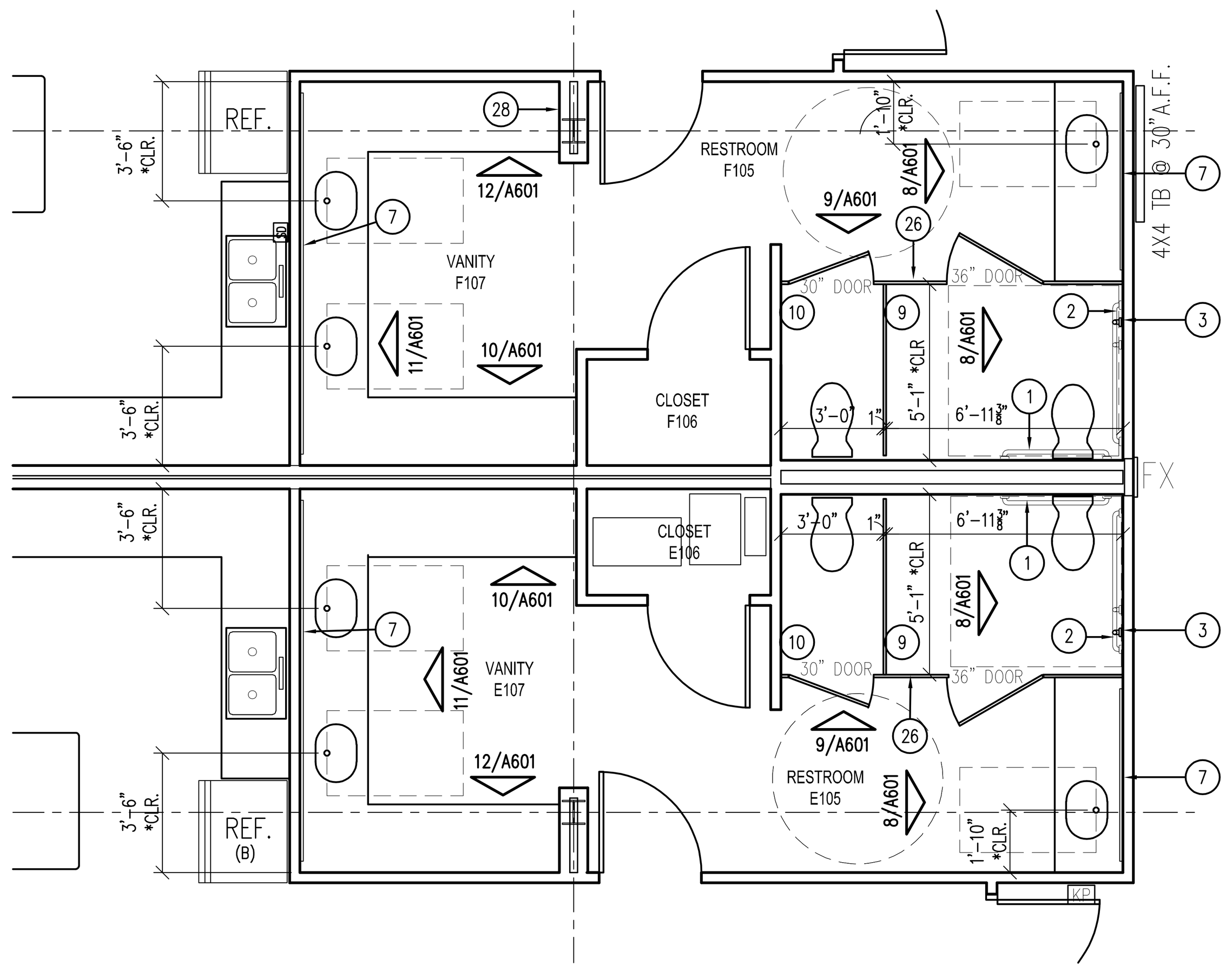
1 ENLARGED FLOOR PLANS - SUITE C

SCALE: 1/4"=1'-0"



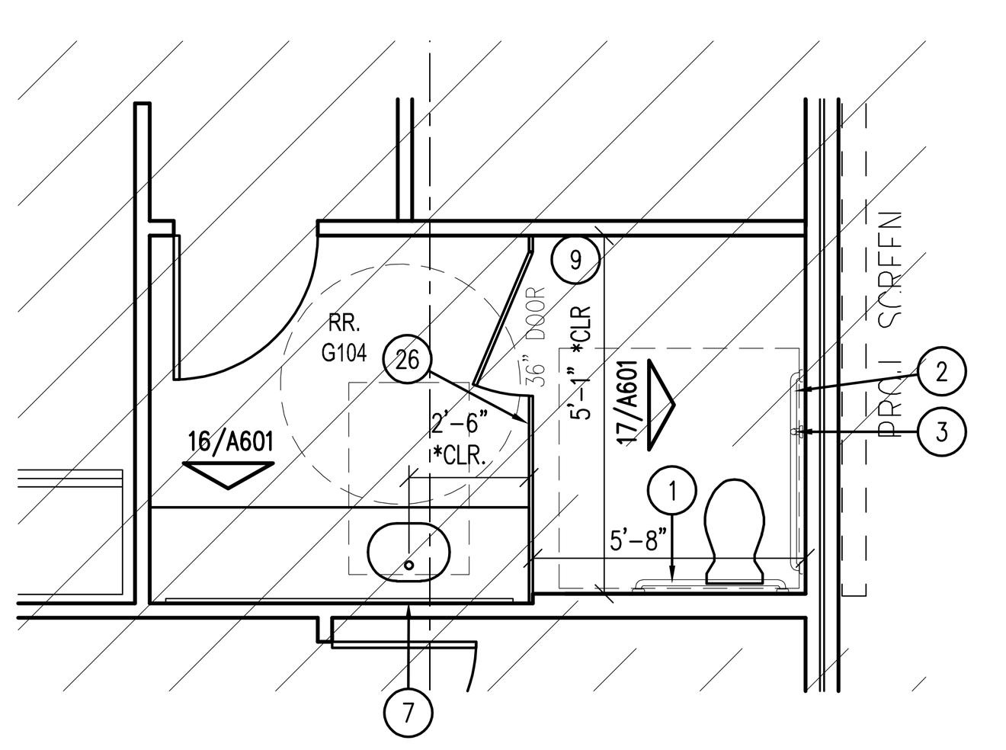
2 ENLARGED FLOOR PLANS - SUITE D

SCALE: 1/4"=1'-0"



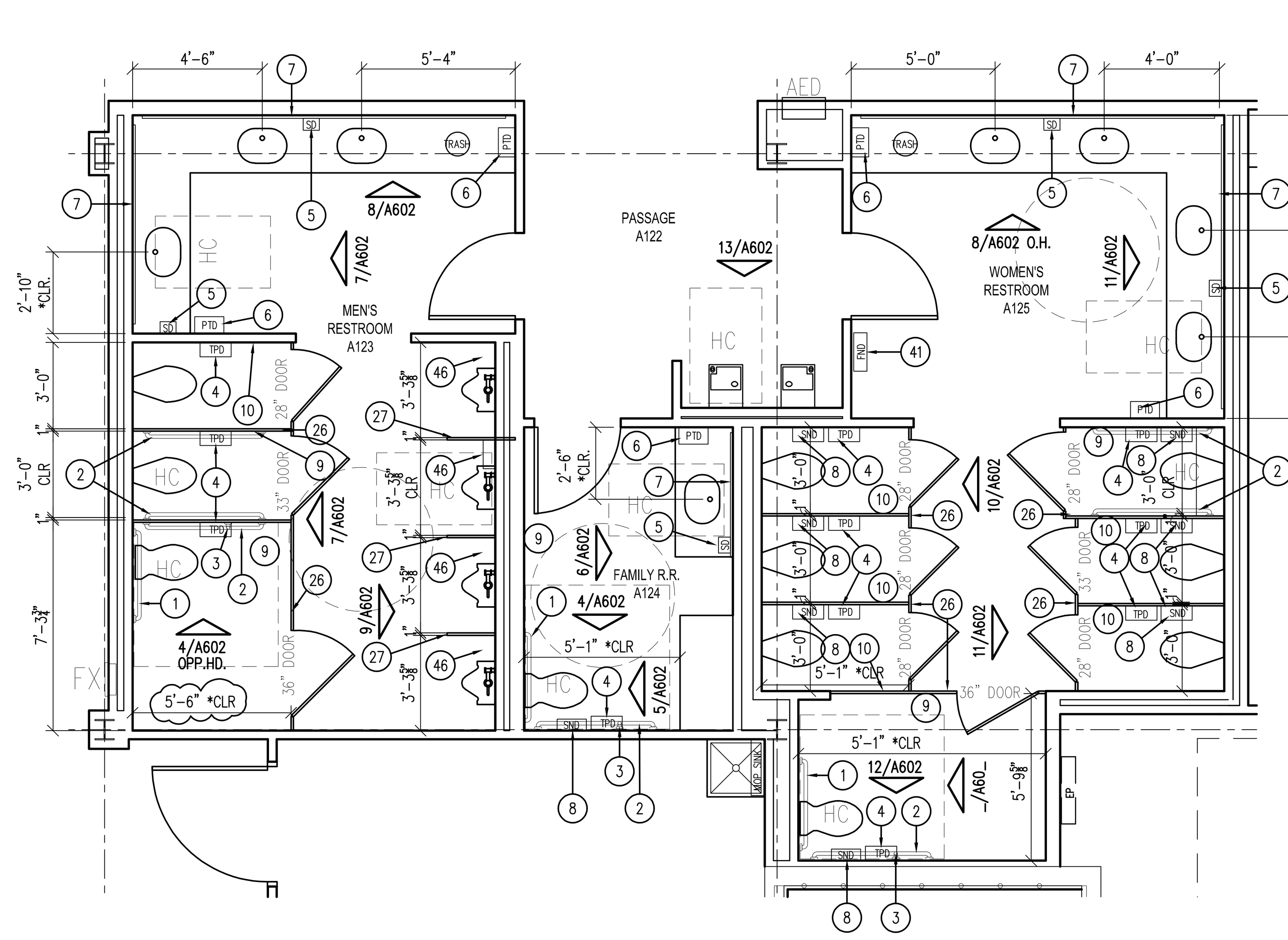
3 ENLARGED FLOOR PLANS - SUITE E & F

SCALE: 1/4"=1'-0"



4 ENLARGED FLOOR PLANS - SUITE G - ADD. ALT. #2

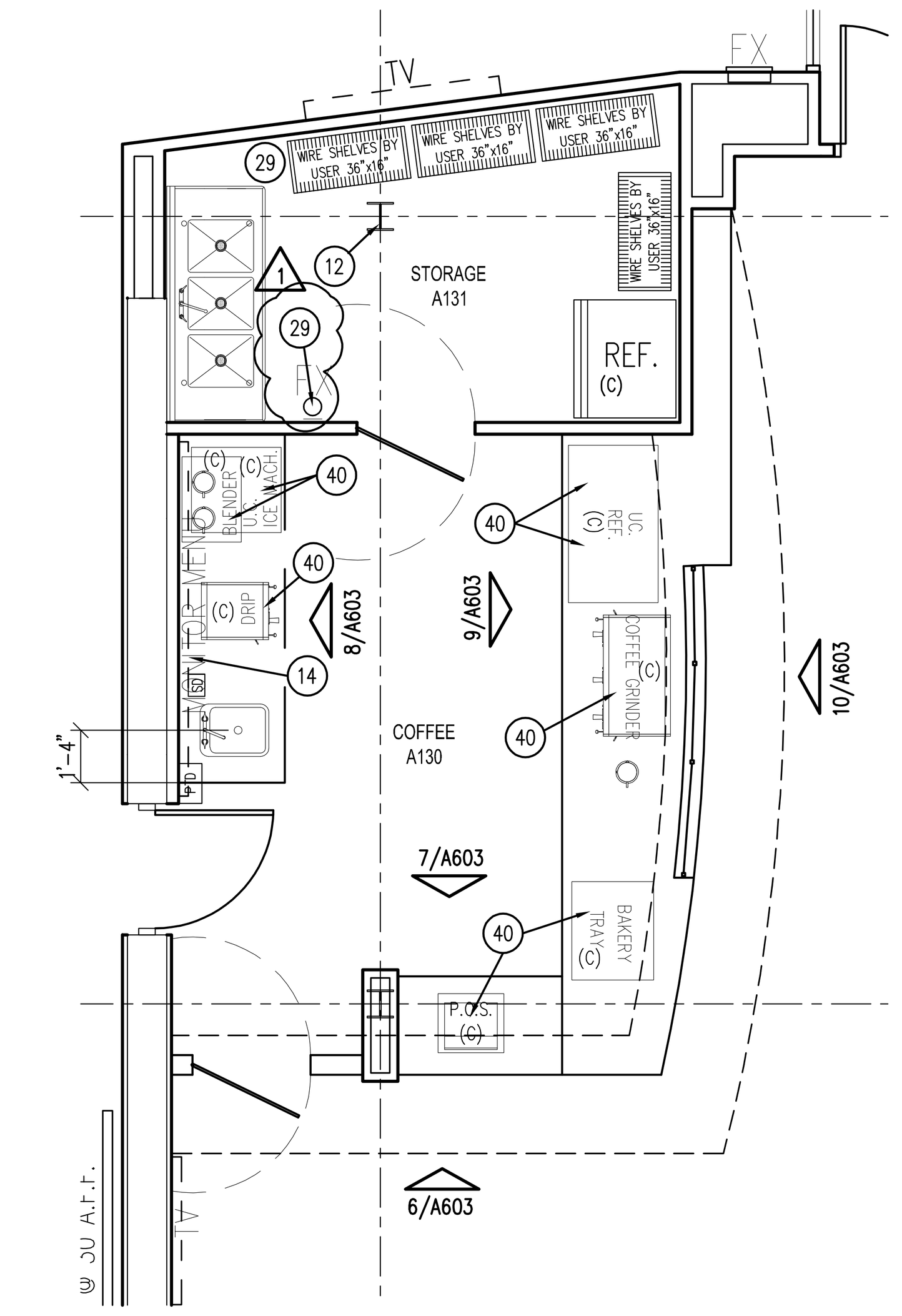
SCALE: 1/4"=1'-0"



EDITED TOILET PARTITION DOOR SIZES @ MEN'S A123 & WOMEN'S A125

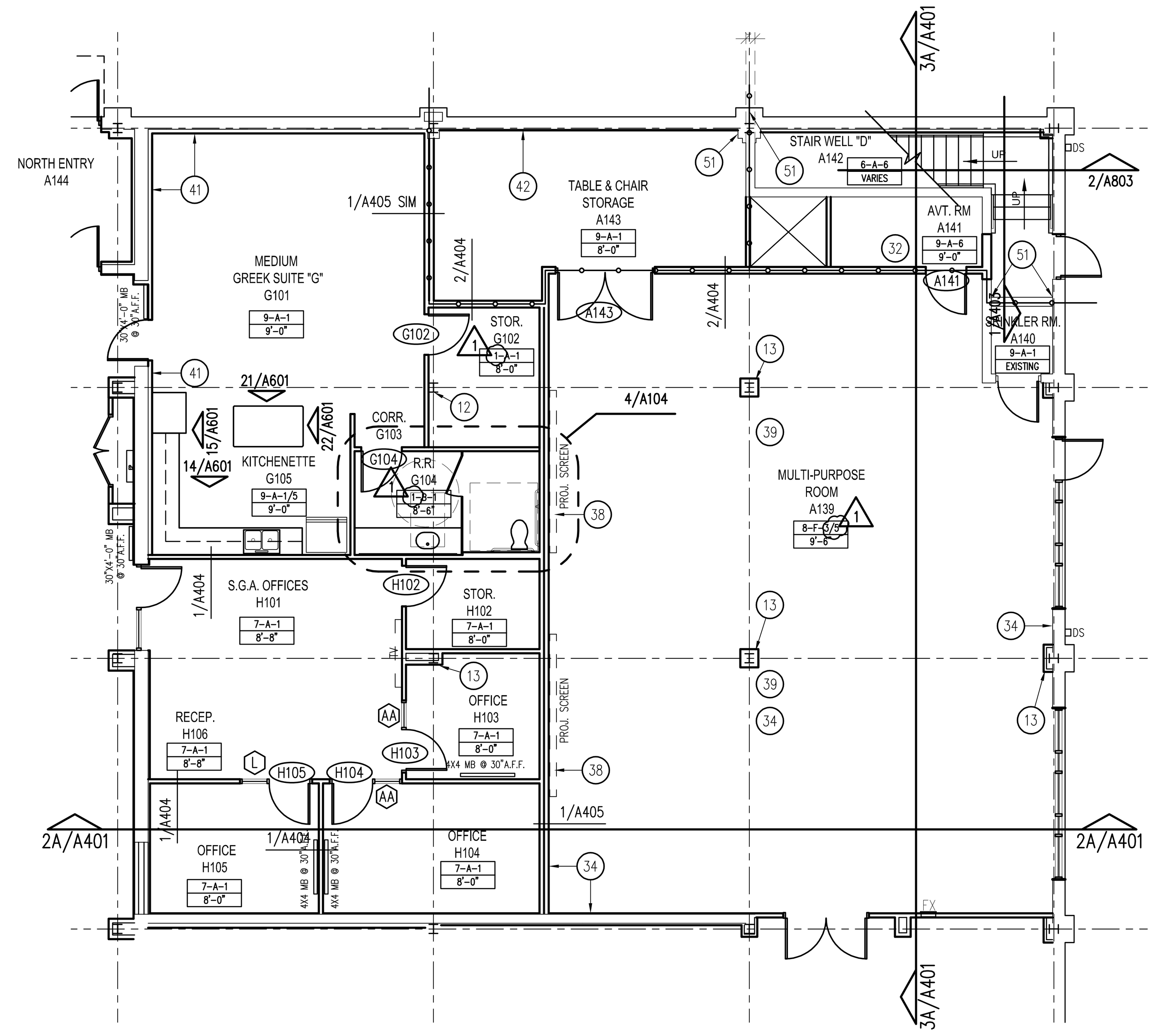
5 ENLARGED PUBLIC RESTROOMS

SCALE: 1/4"=1'-0"



6 ENLARGED COFFEE PLAN

SCALE: 1/4"=1'-0"



7 FLOOR PLAN - ADD. ALT. #2

SCALE: 1/8" = 1'-0" (1/16" on 15x21)

KEY NOTES

1. 36" GRAB BAR (BOBRICK B-5806, 36", 18 GA.) MOUNTED AT 35" A.F.F. REF. INTERIOR ELEVATIONS
2. 48" GRAB BAR (BOBRICK B-5806, 48", 18 GA.) MOUNTED AT 35" A.F.F. REF. INTERIOR ELEVATIONS
3. VERT. GRAB BAR (BOBRICK B-5806, 18", 18 GA.) REF. INTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS
4. TOILET PAPER DISPENSER MOUNTED AT 47" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
5. SOAP DISPENSER MOUNTED AT 40" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
6. PAPER TOWEL DISPENSER MOUNTED AT 40" A.F.F. TO BOTTOM, OWNER FURNISHED CONTRACTOR INSTALLED.
7. PLATE MIRROR MOUNTED @ 38" A.F.F. TO BOTTOM, PER INTERIOR ELEV.
8. SANATARY NAPKIN DISPOSAL (BOBRICK B-270), MOUNTED AT 24" A.F.F. TO BOTTOM.
9. BRADLEY ROBE HOOK-932-00MOUNTED @ 42" A.F.F.
10. BRADLEY ROBE HOOK-932-00MOUNTED @ 60" A.F.F.
11. MOP/BROOM HOLDER w/ SHELF (BOBRICK B224, 36" 8" DEEP SHELF, HOOKS, ROD) MOUNTED @ 60" A.F.F. TO BOTTOM OF SHELF
12. EXPOSED STEEL COLUMN, PAINT AS SCHEDULED, TYP.
13. GYP. BOARD FURR OUT OVER EXISTING COLUMNS AND CMU, TEXTURE & PAINT
14. PROVIDE BLOCKING FOR TV MOUNTING BRACKET, POWER & DATA SYSTEM(A) FOR TV BY OWNER, REF. TECHNOLOGY ELECT. DWGS.
15. FRP WAINSCOT TO 60" A.F.F. W/ GYP. BRD. ABOVE.
16. SOLID SURFACE WINDOW SILLS TYP.
17. INFILL EXISTING, OPENING WITH 3 5/8" METAL STUDS AND 5/8" GYP. BD.
18. AED UNIT & CABINET AT 48" A.F.F. REFER TO EQUIPMENT LIST
19. STEEL HANDRAILS, PAINT
20. ELECTRIC WATER COOLERS. REFER PLUMBING.
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LEGEND

- EXISTING WALL
- EXISTING FIRE WALL
- CMU WALL
- STUD WALL
- EXISTING CONCRETE OR MASONRY WALL WITH METAL STUD FURRING
- 60 MINUTE FIRE RATED CONSTRUCTION
- EXISTING 2 HOUR FIRE WALL

WALL NOTES:
1. AT METAL STUD WALLS LOCATE VERTICAL GYP. BRD. CONTROL JOINTS @ 24'-0" O.C. MAX. - REF. 3/A405

- X/XX — INTERIOR ELEVATION REFERENCE MARKS
- X/XX — PARTITION REFERENCE MARKS
- X / XXXX, X/XX — ELEVATION/SECTION MARKS
- (1) — DOOR SCHEDULE MARK - REF. A201
- (A) — GLAZING SCHEDULE MARK - REF. A201 & A202
- (1) — KEYNOTE MARK
- MB 8'x4' — MARKER BOARD (B)
- TB 4'x4' — TACK BOARD (B)
- ROOM NAME 107, 2-C-2, 8'-11" (WALL FINISH, CEILING FINISH, FLOOR FINISH, CEILING HEIGHT) — ROOM NAME/NO & MATL CODE LIST MARK
- FX — FIRE EXTINGUISHER ON BRACKET
- FX — RECESSED FIRE EXTINGUISHER CABINET
- CG — CORNER GUARDS (8'-0" TALL) 1
- EQUIPMENT (A) — OWNER FURNISHED/CONTRACTOR INSTALLED
- EQUIPMENT (B) — OWNER FURNISHED/OWNER INSTALLED
- SD — SOAP DISPENSER, SEE KEY NOTE 8
- PTD — PAPER TOWEL DISPENSER, SEE KEY NOTE 9
- TPD — TOILET PAPER DISPENSER, SEE KEY NOTE 7
- SND — SANITARY NAPKIN, SEE KEY NOTE 11
- 36" GRAB BAR, SEE KEY NOTE 4
- 48" GRAB BAR, SEE KEY NOTE 5

ROOM MATERIAL CODE LIST

FLOOR/BASE		WALLS/WAINSCOT		CEILING	
1	LUXURY VINYL TILE (LVT1) W/ 4" RUBBER BASE	A	5/8" TYPE X GYP. BOARD - TEXTURE AND PAINT	1	2' x 2' SUSPENDED ACOUSTICAL CEILING TILE AND GRID (TYPE 1)
2	LUXURY VINYL PLANK (LVP1) W/ 4" MOULDED RUBBER BASE	B	PORCELAIN WALL TILE FULL HGT OF 12"x24" (PT1) W/ ACCENT TILE AT VANITY SPACE	2	SUSPENDED GYP. CEILING , TAPE, BED, TEXTURE, PAINT
3	12" x 24" PORCELAIN TILE (PT1) RUNNING BOND W/ 4" RUBBER BASE	C	PORCELAIN WALL, REF INTERIOR ELEVATIONS FOR TYPE AND LOCATIONS	3	EXPOSED STRUCTURE (NOTE 1) W/SUSPENDED CEILING TILE CLOUDS WITH 4" AXIOM PERIMETER TRIM
4	24" x 24" PORCELAIN TILE (PT1) RUNNING BOND W/ TILE BASE (NOTE 2)	D	12"x24" PORCELAIN WALL TILE (PT1) FULL HGT W/ ACCENT COLOR (PT4) TILE BAND @ 48" A.F.F	4	ACOUSTICAL PANELS 2'x2' WOOD CEILING TILES AS SPECIFIED
5	WALK-OFF ENTRY FLOORING W/ 4" RUBBER BASE	E	FRP FULL HGT	5	GYP. BOARD FUR DOWNS ON METAL STUD FRAMING, TEXTURE AND PAINT
6	VINYL TILE (SV-1) W/ 4" RUBBER BASE & TREADS	F	5/8" TYPE X GYP BD, TEXTURE, PAINT; PROVIDE CHAIR RAIL AS SPECIFIED	6	EXPOSED STRUCTURE (NOTE 1)
7	CARPET TILES (CPT 1) W/4" RUBBER BASE	G	EXISTING WALL SURFACE TO REMAIN, PAINT	7	EXISTING CEILING TO REMAIN, PAINT
8	CARPET TILES (CPT 2) W/4" MOULDED RUBBER BASE	H	3/4" PAINTED PLYWOOD	8	1 HOUR RATED GYP BOARD ASSEMBLY TEXTURE, PAINT
9	EXISTING CONCRETE -SEALED W/ 4" RUBBER BASE	J	SPECIALTY ACCENT WALL COVERING, REF. KEY NOTES	9	EXISTING TO REMAIN
10	SPECIALTY PORCELAIN TILE REFER SPECIFICATIONS (PT2)	K	$\frac{5}{8}$" GYP BOARD; TAPE & BED NO PAINT OR TEXTURE	10	

ROOM MATERIAL NOTES:
1. PAINT EXPOSED STEEL STRUCTURE, METAL DECKING, CONDUITS, PIPES, DUCTWORK & INSULATION.
2. WALLS SCHEDULED WITH TILE SHALL HAVE FULL SIZE TILE AT BASE AND NO 4" TILE BASE
3. REFER TO A106 & A107 RCP FOR CEILINGS WITH MULTIPLE FINISHES AND A601-A603 INTERIOR ELEVATIONS FOR EXTENT OF SPECIALTY FINISHES

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REGISTERED ARCHITECT RICHARD H. BUNDY 6467 STATE OF TEXAS
AUGUST 24, 2020

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DRAWN BY: SW/CSN
CHECKED BY: RHB
DATE: 08/24/2020
PROJECT NO.: 18071

ENLARGED FLOOR PLANS-BASE BID

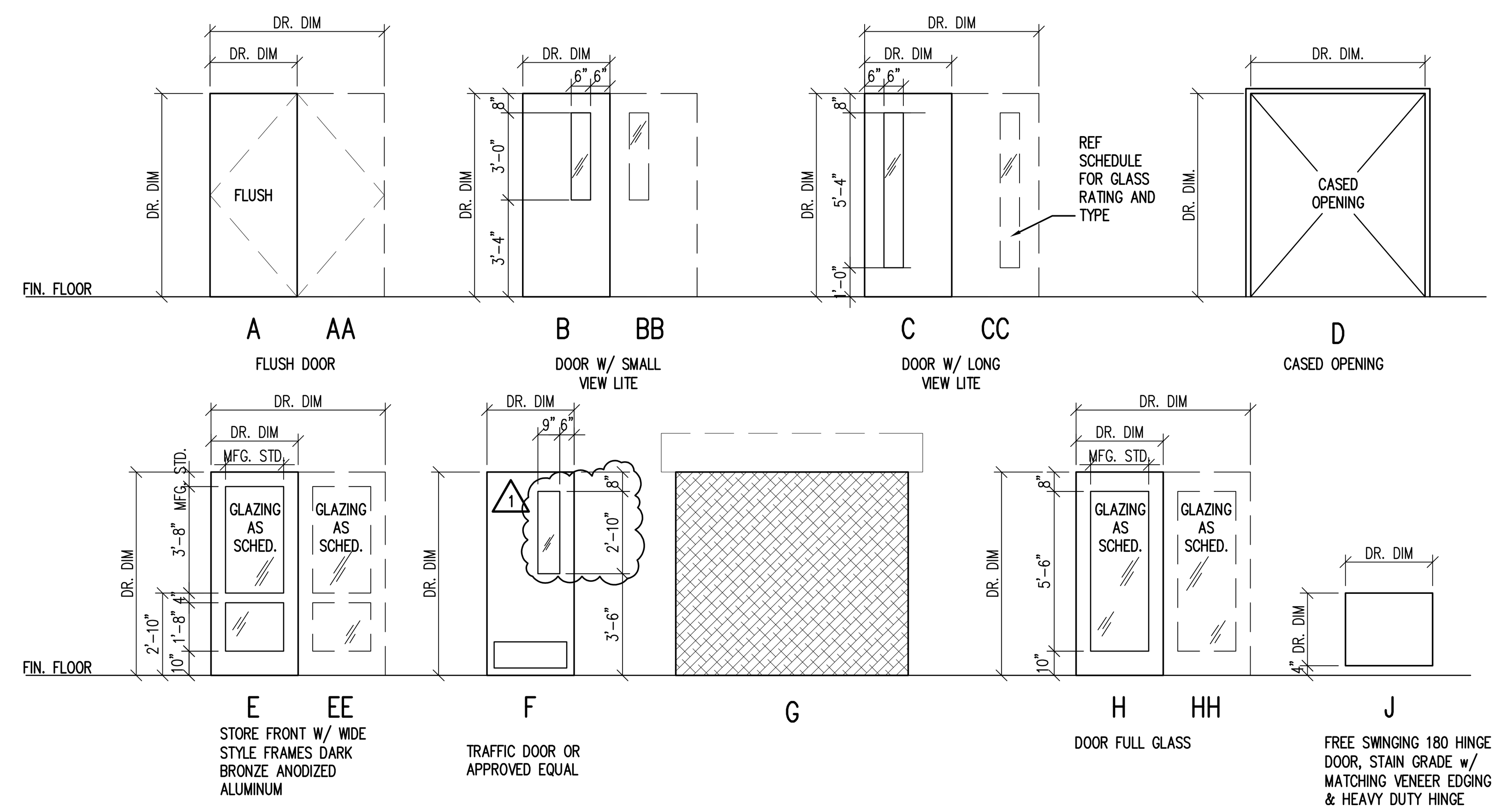
A104

DOOR SCHEDULE

	DOOR MARK	OPENING SIZE	TYPE (NOTE 1)	THICKNESS IN INCHES	CONSTRUCTION (2)	GLASS (NOTE 3)	RATING	FRAME TYPE (4)	HEAD	JAMB	SILL	REMARKS (5)		
	FIRST FLOOR													
	AREA "A"													
	A101	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TIN	–	AL	17B/A505	17A/A505	15/A505	3,4,5,	VESTIBULE A101	
	A102	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TP	–	AL	6/A505	17C/A505	–	4,5 (SYNC DOOR W/ EXTERIOR DOOR)	VESTIBULE A101	
	A103	NOT APPLICABLE											SEATING A103	
	A104	NOT APPLICABLE											CORRIDOR A104	
	A105	4'-0" x 7'-0"	A	1 3/4	WD	–	60 MIN	HM	4/A505	11/A505	–		CORRIDOR A105	
	A106	NOT APPLICABLE											AHU A106	
	A107	EXISTING TO REMAIN	–	–	–	–	–	EX	–	–	–	EXISTING TO REMAIN- PAINT	I.D.F. A107	
	A108	NOT APPLICABLE											MECH./ELECT. A108	
	A109	3'-0" x 7'-0"	A	1 3/4"	WD	–	–	HM	3/A505	10/A505	–		STORAGE A109	
1	A110	3'-0" x 7'-0"	B	1 3/4	WD	–	–	HM	3/A505	10/A505, 23B/A505	–		U.P.B. A110	
	A111	NOT APPLICABLE											STAIR A111	
	A112	NOT APPLICABLE											CORRIDOR A112	
	A113	3'-0" x 7'-0"	B	1 3/4	WD	PG	–	HM	3/A505	10/A505	–		BREAK ROOM A113	
1	A114	3'-0" x 7'-0"	B	1 3/4	WD	–	–	–	3/A505	10/A505, 23B/A505	–		S.L. ASSIST. DIR. OFFICE A114	
	A115	3'-0" x 7'-0"	E	1 3/4	AL	TNI	–	AL	26/A505	25/A505	15/A505		SHARED MGT ROOM A115	
	A115A	PR 3'-0" x 7'-0"	CC	1 3/4	WD	TP	–	HM	3/A505	10/A505	–		SHARED MGT ROOM A115	
	A116	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TNI	–	AL	17B/A505	17A/A505	15/A505	1,4,5	ENTRY A116	
	A116A	PR 3'-0" x 7'-0"	BB	1 3/4	WD	FG	60 MIN	HM	4/A505	11/A505	–	4,5	ENTRY A116	
	A117	10'-0" x 8'-0"	D	–	–	–	–				–	CASED OPENING	PASSAGE A117	
	A118	NOT APPLICABLE											CORRIDOR A118	
	A119	3'-0" x 7'-0"	B	1 3/4	WD	–	–	HM	3/A505	10/A505	–		MUSTANGE PANTRY A119	
	A120	3'-0" x 7'-0"	D	–	–	–	–	HM	5/A505	12/A505	–	CASED OPENING	PANTRY A120	
	A121	4'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CUST./STORAGE A121	
	A122	NOT APPLICABLE											PASSAGE A122	
	A123	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		MEN'S RESTROOM A123	
	A124	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		FAMILY RESTROOM A124	
	A125	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		WOMEN'S RESTROOM A125	
	A126	3'-0" x 7'-0"	H	1 3/4	WD	–	–	AL	6/A505	13/A505, 17C/A505	–		SHARED MEETING ROOM A126	
	A127	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		STOR/MECH. A127	
	A128	NOT APPLICABLE											CORRIDOR A128	
	A129	16'-4" x 9'-0"	G	–	AL	–	–	AL			–		CAFE A129	
	A130	3'-0" x 7'-0"	–	1 3/4	WD	–	–	EX	–	–	–	7	COFFEE A130	
	A130A	3'-0" x 2'-6"	J	3/4	PW	–	–	–	–	–		FREE SWING PLAM VENEER PANEL	COFFEE A130	
	A131	3'-0" x 7'-0"	F	1/16	HPL	–	–	HM	–	–	–	10	STORAGE A131	
	A132	3'-0" x 7'-0"	E	1 3/4	AL	–	–	AL	6/A505	10/A505, 23B/A505	–		SEATING A132	
	A133	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TNI	–	AL	17B/A505	17A/A505	15/A505	3,4	EAST VESTIBULE A133	
	A133A	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TP	–	AL	6/A505	17C/A505	–	3,4	EAST VESTIBULE A133	
	A134	NOT APPLICABLE											CORRIDOR A134	
	A135	NOT APPLICABLE											CORRIDOR A135	
	A136	3'-0" x 7'-0"	A	1 3/4	WD	–	45 MIN	EX	–	–	–	7	ELECTRICAL A136	
	A137	8'-0" x 8'-0"	G	–	AL	–	–	AL			–	8	COMMONS LOUNGE A137	
	A138	12'-0½" x 9'-0"	G	–	AL	–	–	AL			–	8	COMMUNITY COMMONS A138	
	A139	PR 3'-0" x 7'-0"	CC	1 3/4	WD	–	–	HM	3/A505	10/A505	–	4	UNFINISHED SPACE (BASE BID)	
	A139A	3'-0" x 7'-0"	E	1 3/4	AL	–	–	AL	17B/A505	17A/A505, 25/A505	15/A505	4	UNFINISHED SPACE (BASE BID)	
	A140	3'-0" x 7'-0"	A	1 3/4	WD	–	–	EX	–	–	–	7	RISER ROOM A140	
ADD. ALT. #2	A141	3'-0" x 7'-0"	A	1 3/4	WD	–	60 MIN	HM	4/A505	11/A505	–		AVT ROOM A141	ADD. ALT. #2
	A142	3'-0" x 7'-0"	B	1 3/4	HM	1	1	HM	26/A505	25/A505	15/A505	4,7 (EXIT ONLY DOOR)	EXISTING STAIR	
ADD. ALT. #2	A143	PR 3'-6" x 8'-0"	AA	1 3/4	WD	–	45 MIN	HM	4/A505	11/A505	–		CHAIR & TABLE STORAGE A143	ADD. ALT. #2
	A144	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TNI	–	AL	17B/A505	25/A505	15/A505	3,4,5,	NORTH ENTRY A144	
	A144A	PR 3'-0" x 7'-0"	EE	1 3/4	AL	TP	–	AL	18/A505	19/A505	–	4,5	NORTH ENTRY A144	
	A145	PR 3'-0" x 7'-0"	AA	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CORRIDOR A145	
	A145A	PR 3'-0" x 7'-0"	AA	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CORRIDOR A145	
	AREA "B"													
	B101	3'-0" x 7'-0"	B	1 3/4	WD	TP	–	HM	3/A505	10/A505	–		STUDENT LEADERSHIP B101	
	B102	3'-0" x 7'-0"	E	1 3/4	AL	TP	–	AL	6/A505	13/A505, 17C/A505	–		S.L. RECEPTION B102	
	B103	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505, 23B/A505	–		DIRECTORS OFFICE B103	
	B104	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		STORAGE B104	
	AREA "C"													
	C101	PR 3'-0" x 7'-0"	CC	1 3/4	WD	SG	–	HM	3/A505	10/A505	–	2,4	CHAPTER MEETING C101	
	C101A	3'-0" x 7'-0"	E	1 3/4	AL	TNI	–	AL	17B/A505	17A/A505, 25/A505	15/A505	2,4	CHAPTER MEETING C101	
	C102	NOT APPLICABLE									–		KITCHENETTE C102	
	C103	3'-6" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–	9	STORAGE C103	
	C104	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		RESTROOM C104	
	C105	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CLOSET C105	
	C106	NOT APPLICABLE											VANITY C106	
	C107	3'-0" x 7'-0"	B	1 3/4	WD	–	–	HM	3/A505	10/A505	–		STUDY C107	
	C108	10'-0" x 8'-0"	D	–	–	–	–				–	CASED OPENING	LIVING AREA C108	
	AREA "D"													
	D101	3'-0" x 7'-0"	E	1 3/4	AL	TNI	–	AL	17B/A505	17A/A505, 25/A505	15/A505	2,4	LIVING AREA D101	
	D102	3'-0" x 7'-0"	B	1 3/4	WD	TP	–	HM	3/A505	10/A505	–		STUDY/OFFICE D102	
	D103	3'-6" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–	9	STORAGE D103	
	D104	PR 3'-0" x 7'-0"	CC	1 3/4	WD	SG	–	HM	3/A505	10/A505	–	2,4	ENTRY D104	
	D105	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		RESTROOM D105	
	D106	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CLOSET D106	
	D107	NOT APPLICABLE											VANITY D107	
	D108	NOT APPLICABLE											KITCHENETTE D108	
	AREA "E"													
	E101	3'-0" x 7'-0"	E	1 3/4	AL	TNI		AL	17B/A505	17A/A505, 25/A505	15/A505	2,4	LIVING AREA E101	
	E102	3'-0" x 7'-0"	B	1 3/4	WD	TP	–	HM	3/A505	10/A505	–		STUDY/OFFICE E102	
	E103	3'-6" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–	9	STORAGE E103	
	E104	PR 3'-0" x 7'-0"	CC	1 3/4	WD	SG	–	HM	3/A505	10/A505	–	2,4	ENTRY E104	
	E105	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		RESTROOM E105	
	E106	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CLOSET E106	
	E107	NOT APPLICABLE											VANITY E107	
	E108	NOT APPLICABLE											KITCHENETTE E108	
	AREA "F"													
	F101	3'-0" x 7'-0"	E	1 3/4	AL	TNI		AL	17B/A505	17A/A505, 25/A505	15/A505	2,4	LIVING AREA F101	
	F102	3'-0" x 7'-0"	A	1 3/4	WD	TP	–	HM	3/A505	10/A505	–	9	STUDY/OFFICE F102	
	F103	3'-6" x 7'-0"	B	1 3/4	WD	–	–	HM	3/A505	10/A505	–		STORAGE F103	
	F104	PR 3'-0" x 7'-0"	CC	1 3/4	WD	SG	–	HM	3/A505	10/A505	–	2,4	ENTRY F104	
	F105	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		RESTROOM F105	
	F106	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		CLOSET F106	
	F107	NOT APPLICABLE											VANITY F107	
	F108	NOT APPLICABLE											KITCHENETTE F108	
	AREA "G"													
	G101	3'-0" x 7'-0"	C	1 3/4	WD	SG	–	HM	3/A505	10/A505	–	2,4	UNFINISHED SPACE (BASE BID)	
ADD. ALT. #2	G102	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–	9	STORAGE G102	ADD. ALT. #2
ADD. ALT. #2	G103	NOT APPLICABLE											CORRIDOR G103	ADD. ALT. #2
ADD. ALT. #2	G104	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		RESTROOM G104	ADD. ALT. #2
	AREA "H"													
	H101	3'-0" x 7'-0"	E	1 3/4	AL	TP	–	AL		17C/A505	–		UNFINISHED SPACE (BASE BID)	
ADD. ALT. #2	H102	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		STORAGE H102	ADD. ALT. #2
ADD. ALT. #2	H103	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505, 23B/A505	–		OFFICE H103	ADD. ALT. #2
ADD. ALT. #2	H104	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505, 23B/A505	–		OFFICE H104	ADD. ALT. #2
ADD. ALT. #2	H105	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505, 23B/A505	–		OFFICE H105	ADD. ALT. #2
ADD. ALT. #2	H106	NOT APPLICABLE											RECEPTION H106	ADD. ALT. #2
	SECOND FLOOR													
	AREA "A"													
	A201	NOT APPLICABLE											LANDING A201	
	A202	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–	TEMPORARY PARTITION DOOR	SEATING A202	
	A203	3'-0" x 7'-0"	A	1 3/4	WD	–	–	HM	3/A505	10/A505	–		AHU ROOM A203	
	A204	NOT APPLICABLE											FUTURE A204	
1	A205	NOT APPLICABLE											STAIR "C" A205	
ADD. ALT. #2	A206	3'-0" x 7'-0"	B	1 3/4	WD	FG	45 MIN	HM	3/A505	10/A505	–		STAIR "D" A206	ADD. ALT. #2
	A207	NOT APPLICABLE											NOT APPLICABLE	
	A208	PR 3'-0" x 7'-0"	AA	1 3/4	WD	–	–	HM	3/A505	10/A505	–		AHU ROOM A208	
	A209	PR 3'-0" x 7'-0"	AA	1 3/4	WD	–	–	HM	3/A505	10/A505	–		AHU ROOM A209	
	A210	PR 3'-0" x 7'-0"	AA	1 3/4	WD	–	–	HM	3/A505	10/A505	–		AHU ROOM A210	
	A211	3'-0" x 7'-0"	B	1 3/4	WD	FG	45 MIN	HM	18/A505	19/A505	–		STAIR "B" A211	
	ADD. ALT. DOOR UPGRADES													
	ADD. ALT #1 PATIO GATES													
ADD. ALT. #1	C109	3'-0" x 7'-0"	A	1 3/4	STL	–	–	STL	–	–		2,4 PATIO GATE	ADD ALT# 2 PATIO GATE	ADD. ALT. #2
ADD. ALT. #1	D109	3'-0" x 7'-0"	A	1 3/4	STL	–	–	STL	–	–		2,4 PATIO GATE	ADD ALT# 2 PATIO GATE	ADD. ALT. #2
ADD. ALT. #1	E109	3'-0" x 7'-0"	A	1 3/4	STL	–	–	STL	–	–		2,4 PATIO GATE	ADD ALT# 2 PATIO GATE	ADD. ALT. #2
ADD. ALT. #1	F109	3'-0" x 7'-0"	A	1 3/4	STL	–	–	STL	–	–		2,4 PATIO GATE	ADD ALT# 2 PATIO GATE	ADD. ALT. #2

DOOR NOTES

NOTE 1: DOOR TYPES



NOTE 2: DOOR CONSTRUCTION TYPES

- AL – ANODIZED ALUMINUM ALUMINUM
- WD – SOLID CORE WOOD, PREFINISHED
- HM – HOLLOW METAL, PAINTED
- HMI – HOLLOW METAL INSULATED, PAINTED
- HPL – HIGH PRESSURE LAMINTE CLAD
- PW – STAIN GRADE 3/4" PLYWOOD

NOTE 3: GLASS TYPES

- TNI – 1" TINTED LOW "E" INSULATED, TEMPERED
- TP – 1/4" CLEAR TEMPERED
- PG – 1/4" CLEAR PLATE GLASS
- FG – FIRE RATED GLASS
- SG – SATIN GLASS 1/4" TEMPERED

NOTE 4: DOOR FRAME TYPES

- AL – ALUMINUM CLEAR ANODIZED ALUMINUM
- HM – HOLLOW METAL, PAINTED
- HMI – HOLLOW METAL INSULATED, PAINTED
- EX – EXISTING TO REMAIN

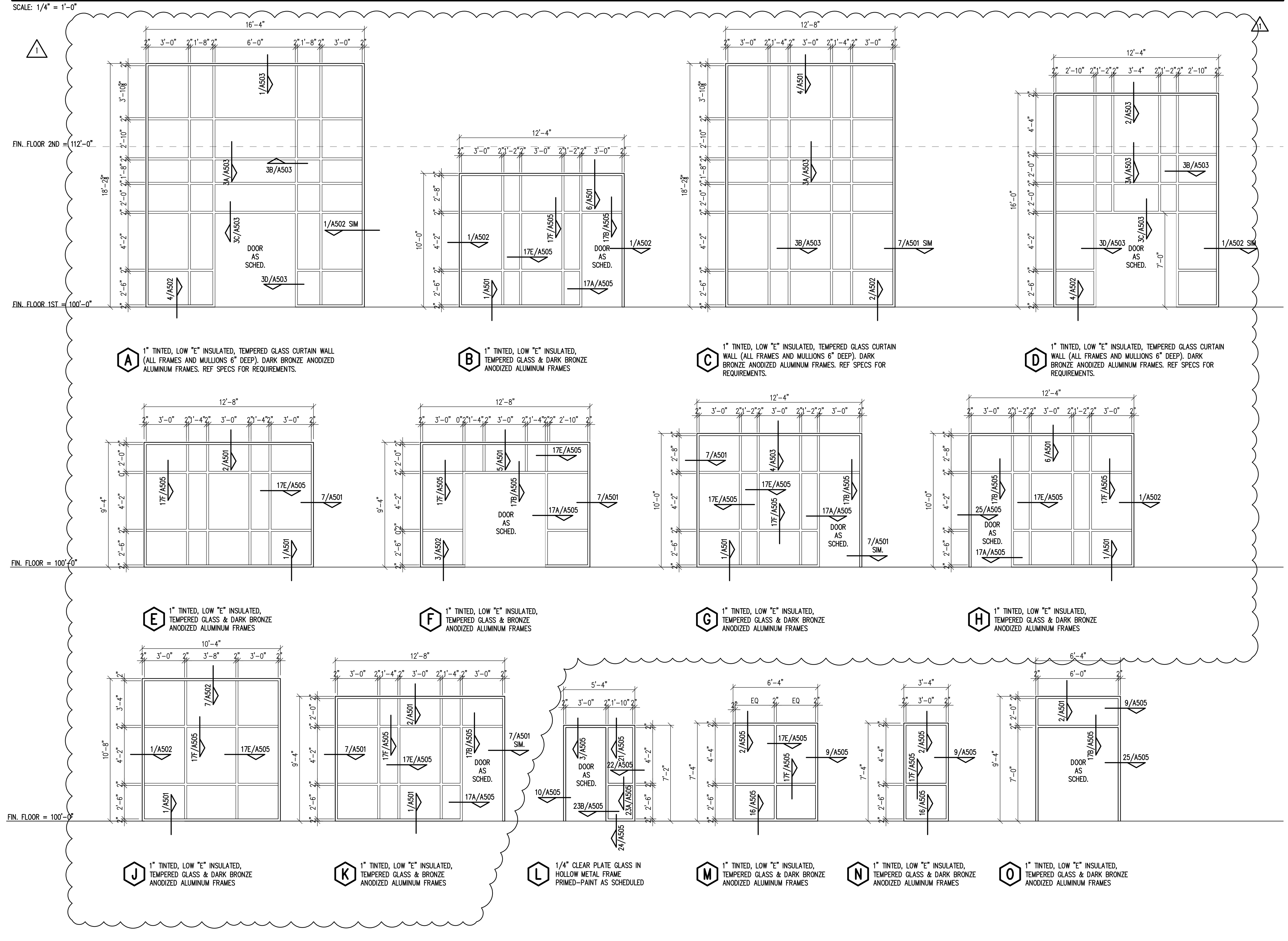
NOTE 5: ADDITIONAL DOOR NOTES

1. [CR] – CARD READER W/MASTER OVER RIDE
2. [KP] – KEY PAD W/MASTER OVER RIDE
3. [CF] – CARD READER FUTURE– PREP DOOR FOR FUTURE; PROVIDE EMPTY CONDUIT
4. – REQUIRED EXIT
5. [AO] – AUTOMATED ADA PUSH BUTTON
6. – 4"HEAD @ DOOR
7. – REPLACE DOOR & HARDWARE: FRAME, EXISTING TO REMAIN. FIELD VERIFY DIMS.
8. – OVERHEAD SECURITY GRILLE – ELECTRICAL POWERED; PROVIDE EGRESS BUTTON; DIMENSION IS FOR CLEAR OPENING; SURFACE MOUNTED. CONTRACTOR VERIFY OVERALL DIM. REQUIRED FOR INSTALLATION. PROVIDE DATA & POWER FOR FUTURE "SMART DOOR OPTION"
9. – DOOR HINGE TO ALLOW FOR 180° OPEN POSITION
10. – RESTAURANT FREE SWING STYLE DUAL EGRESS DOOR & FRAME BY ELIASON MODEL LWP-6 W/ 9" x 24" WINDOW AT 54" TO CTR. W/ STD. 12" S.S. PLATE AT BTM.

1 ADDENDUM 1 DOOR CHANGES

WINDOW SCHEDULE

SCALE: 1/4" = 1'-0"



REV	DATE	DESCRIPTION	APPR
1	09/14/2020	REVISIONS PER ADDENDUM NO. 1	

REGISTERED ARCHITECT RICHARD H. BUNDY 6467 STATE OF TEXAS
AUGUST 24, 2020

DANIEL BUILDING RENOVATION

J.S. BRIDWELL ACTIVITIES CENTER & CANNEDY GREEK COMMONS

MSU TEXAS
MIDWESTERN STATE UNIVERSITY

BYSParchitects
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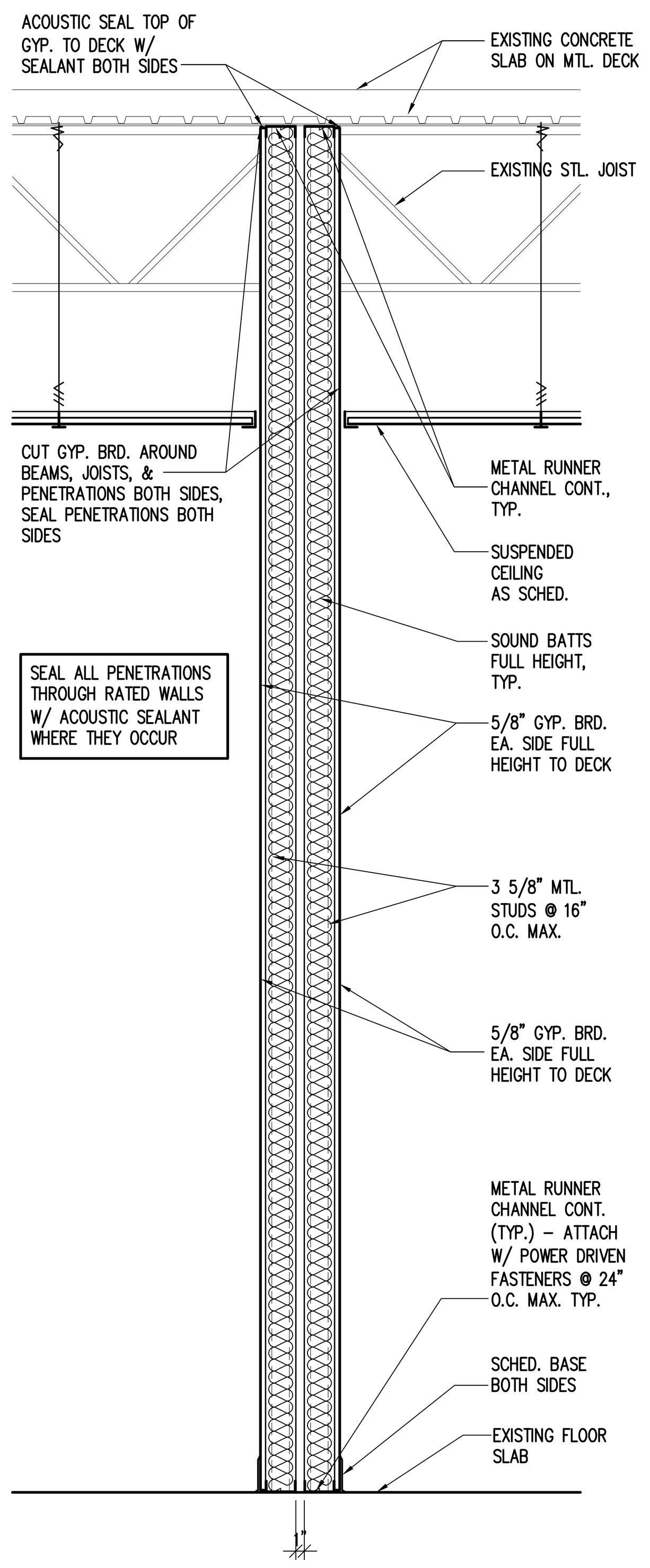
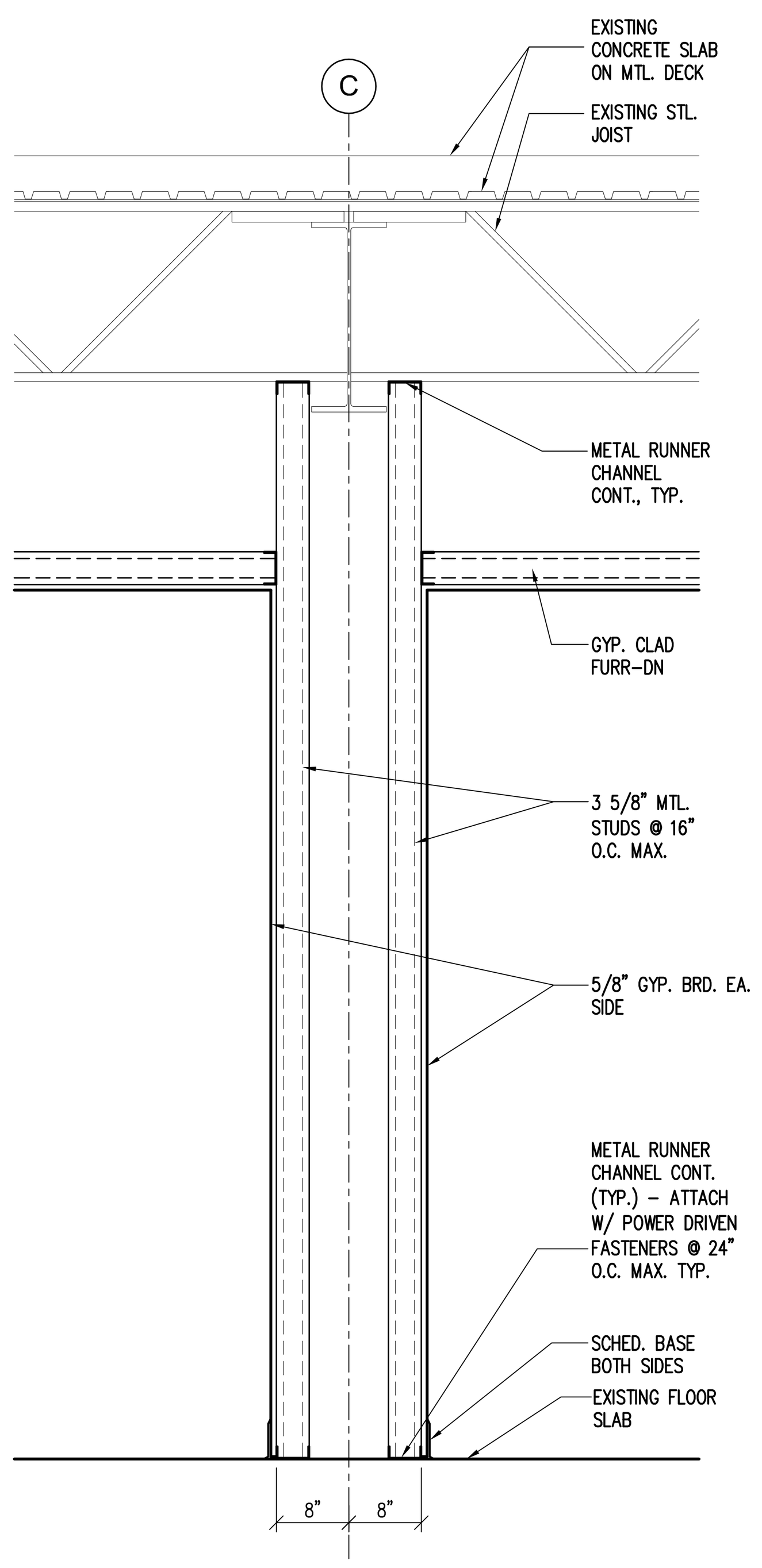
DOOR & WINDOW SCHEDULE

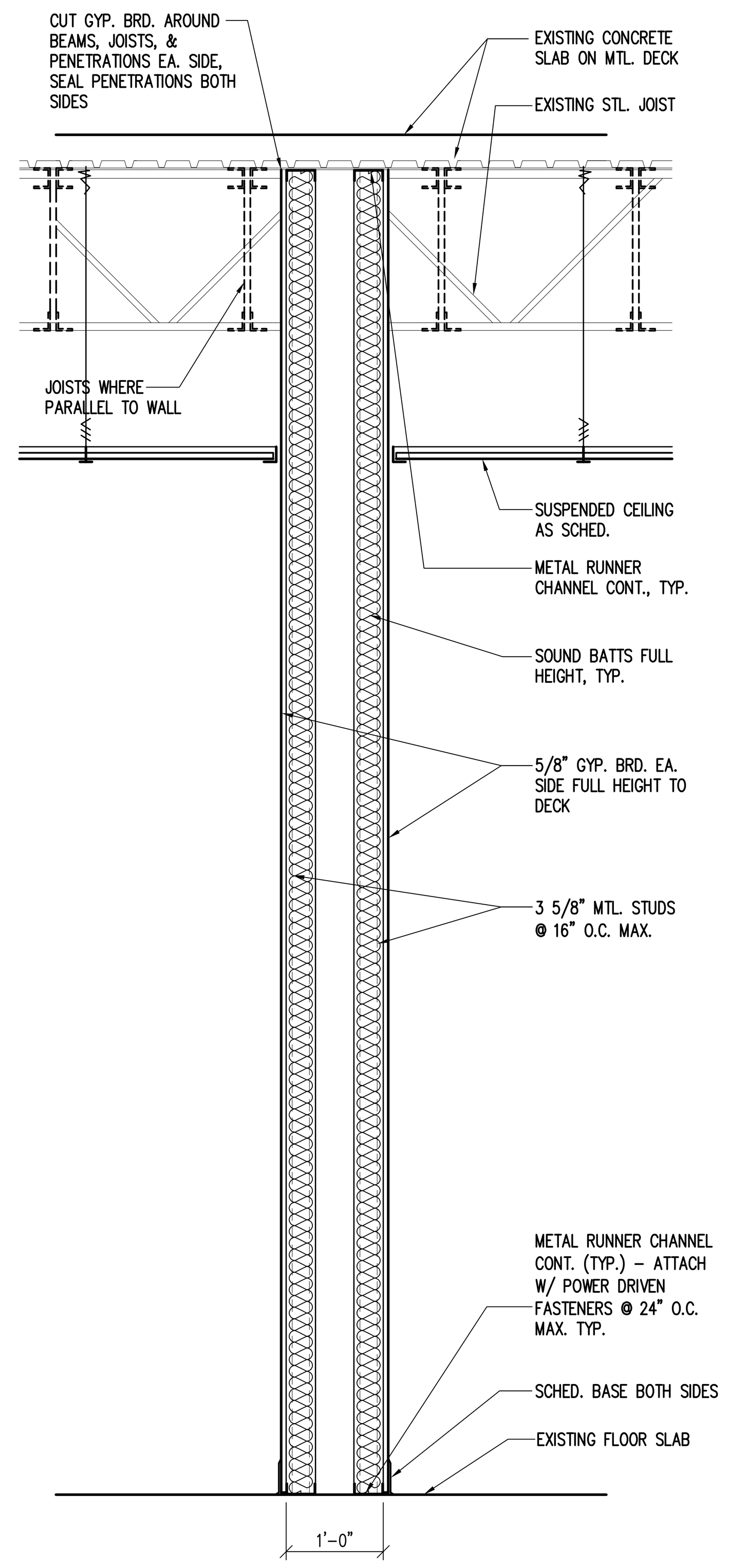
A201



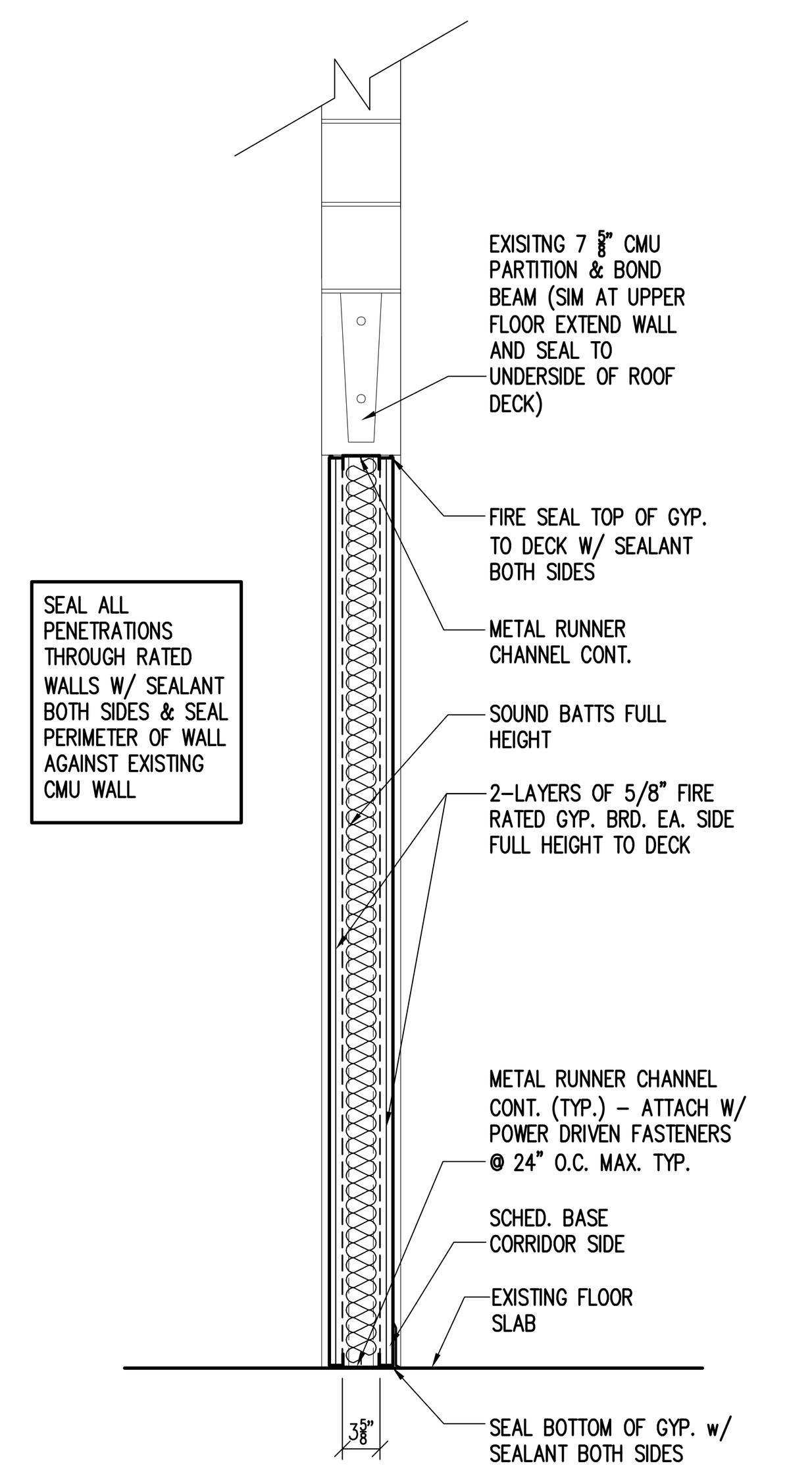
1 PARTITION SECTION
SCALE: 3/4" = 1'-0"



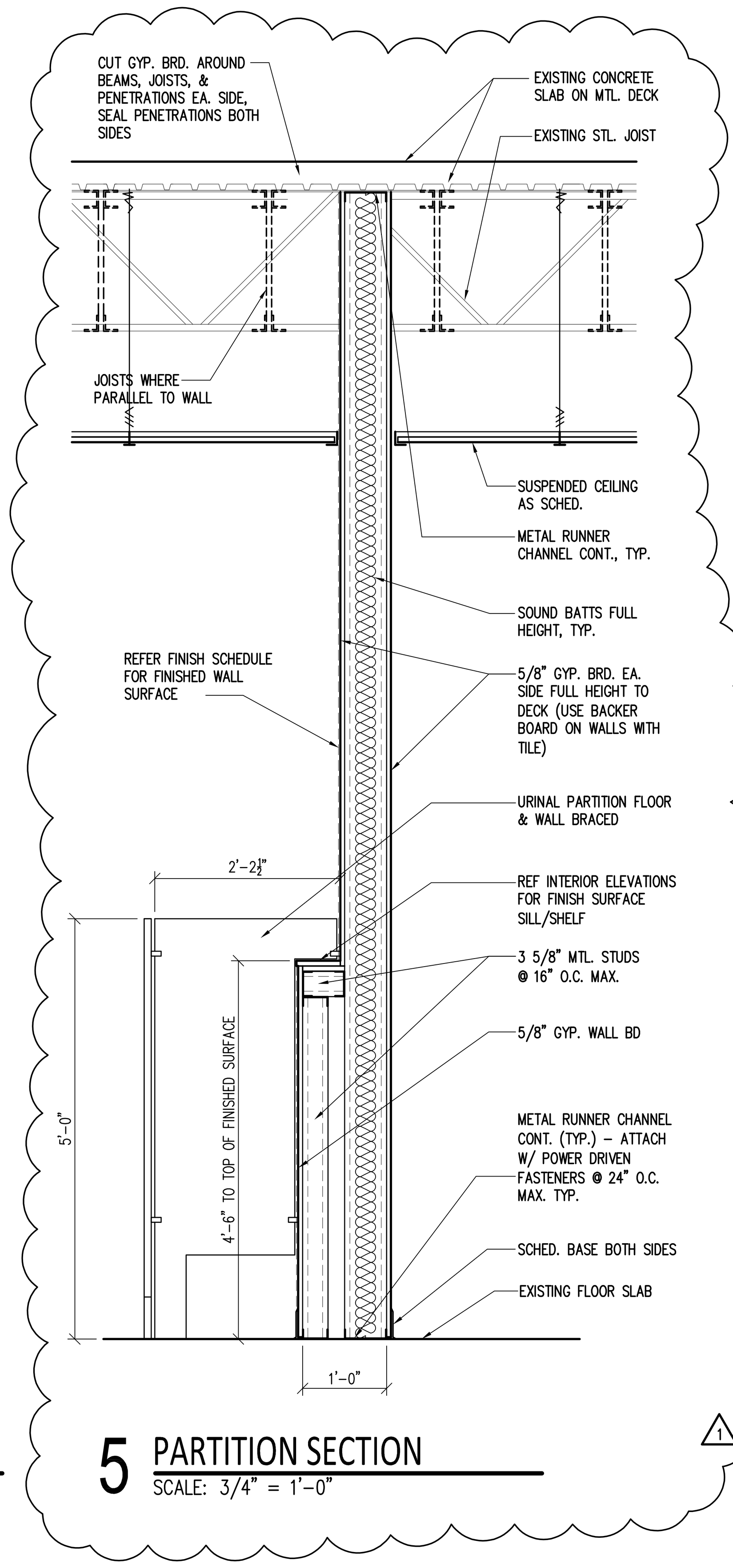
2 PARTITION SECTION
SCALE: 3/4" = 1'-0"



3 PARTITION SECTION
SCALE: 3/4" = 1'-0"



4 PARTITION SECTION
SCALE: 3/4" = 1'-0"



5 PARTITION SECTION
SCALE: 3/4" = 1'-0"

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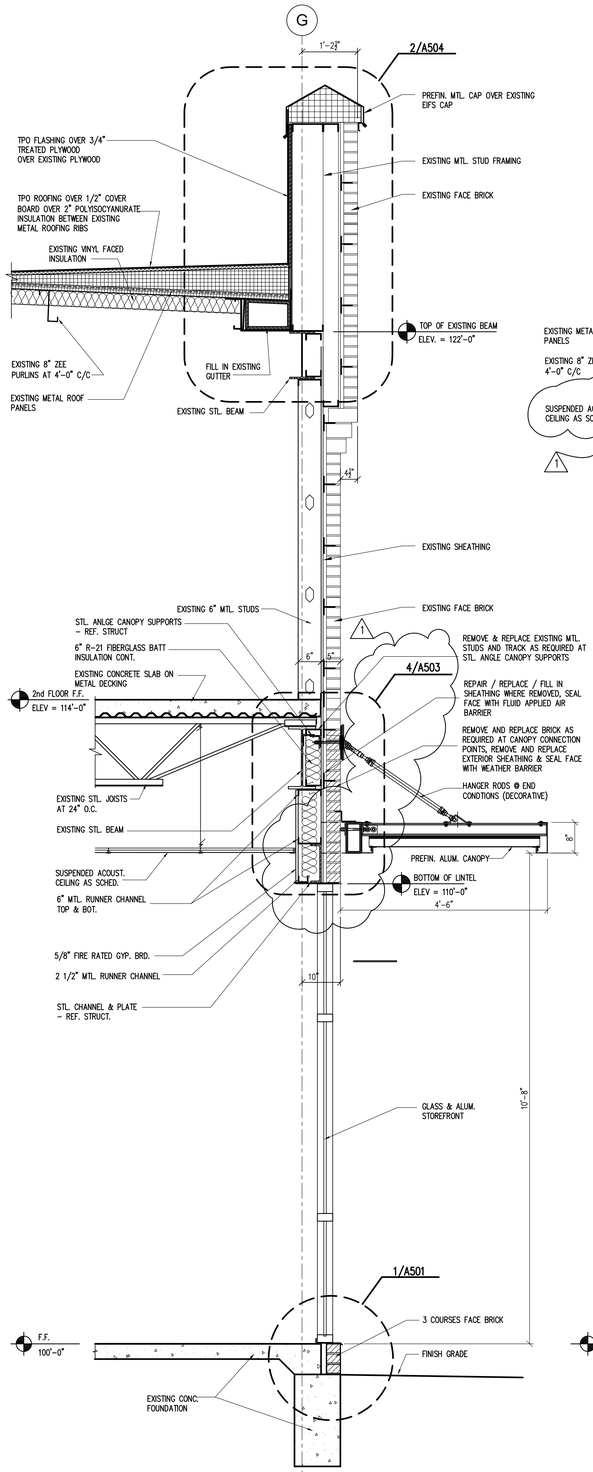
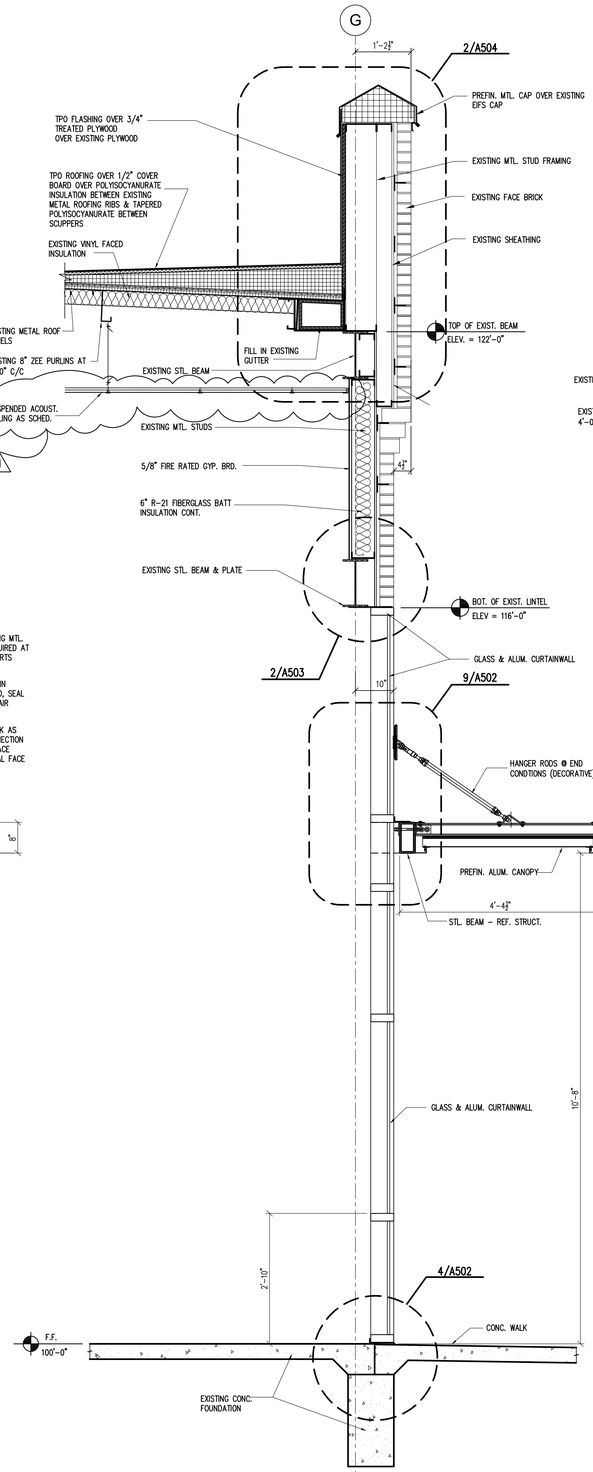
PARTITION SECTIONS

A405



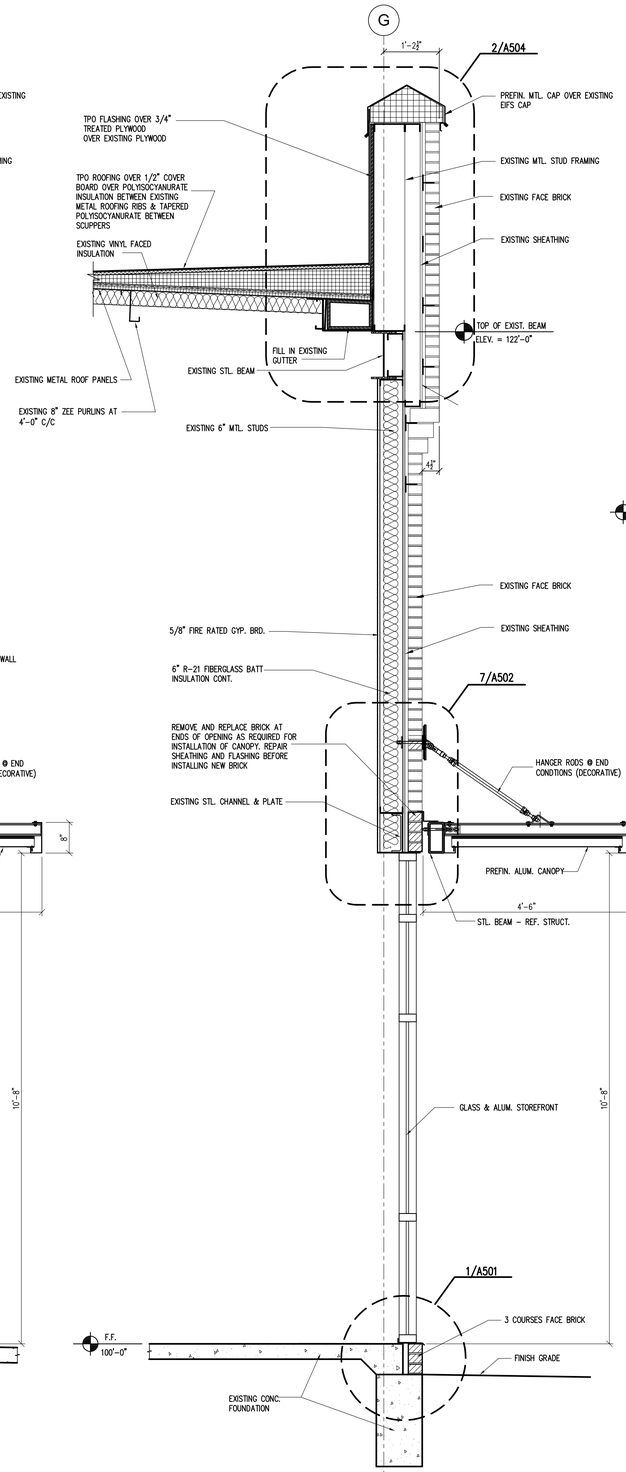
1 WALL SECTION

SCALE: 3/4" = 1'-0"



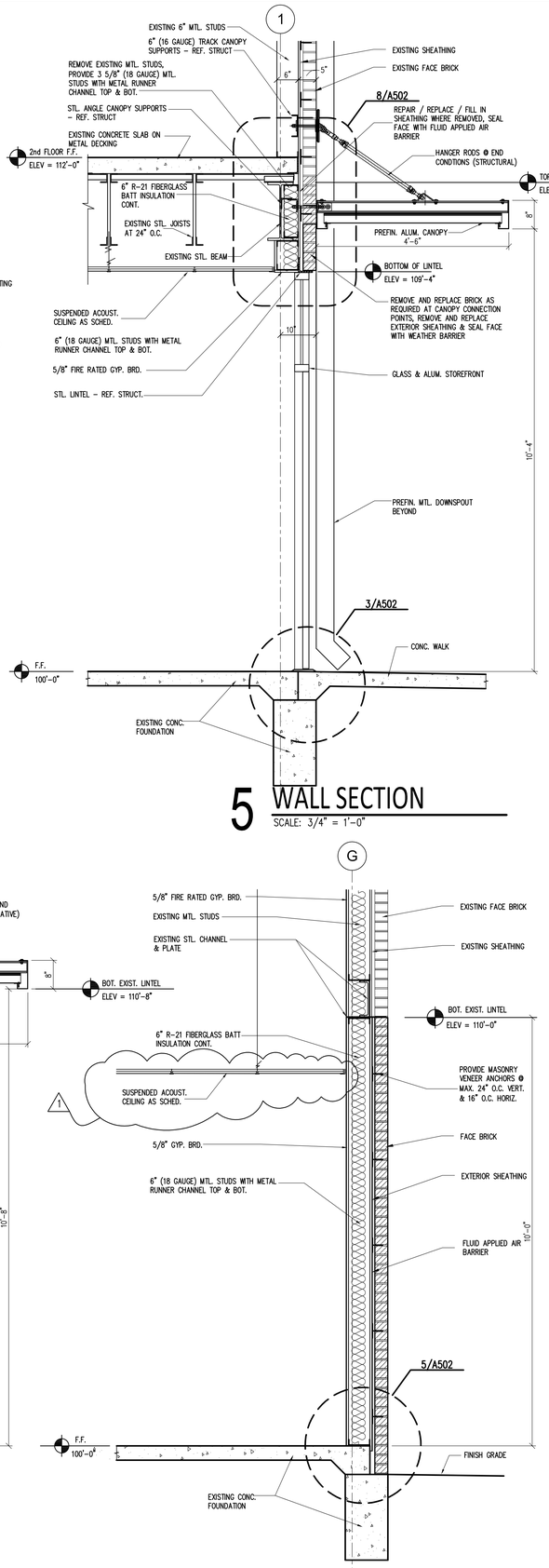
2 WALL SECTION

SCALE: 3/4" = 1'-0"



3 WALL SECTION

SCALE: 3/4" = 1'-0"



5 WALL SECTION

SCALE: 3/4" = 1'-0"

4 WALL SECTION

SCALE: 3/4" = 1'-0"

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REGISTERED ARCHITECT RONALD H. BRIDWELL BYSP 6467 STATE OF TEXAS
AUGUST 24, 2020

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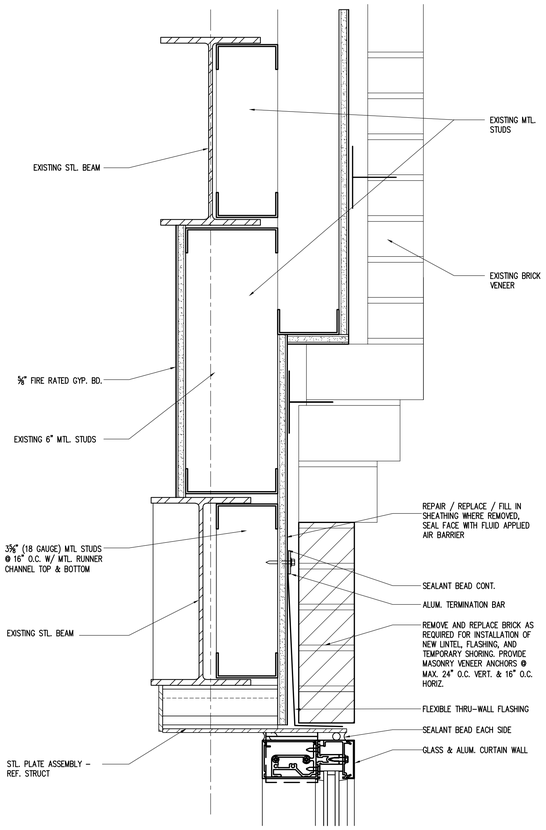
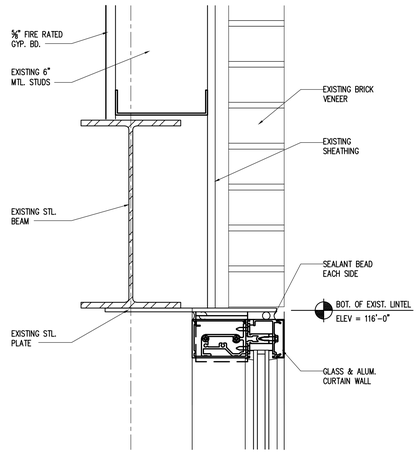
WALL SECTIONS

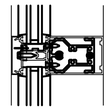
A406



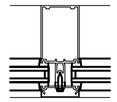
1 DETAIL
SCALE: 3"=1'-0"



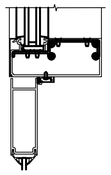
2 DETAIL
SCALE: 3"=1'-0"



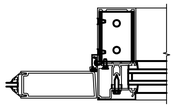
A HORIZONTAL MULL



B VERTICAL MULL

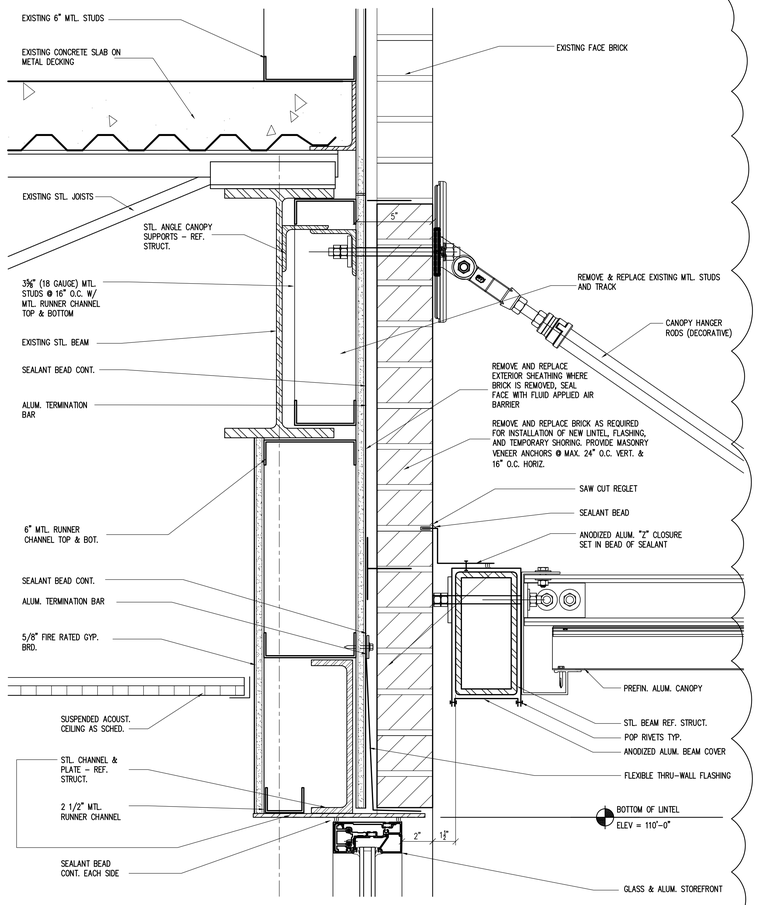


C HORIZONTAL MULL



D VERTICAL MULL

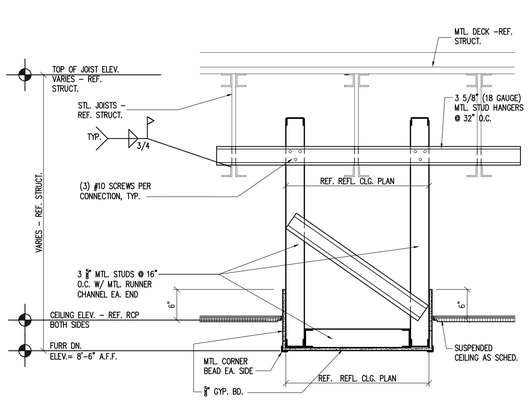
3 DETAIL
SCALE: 3"=1'-0"



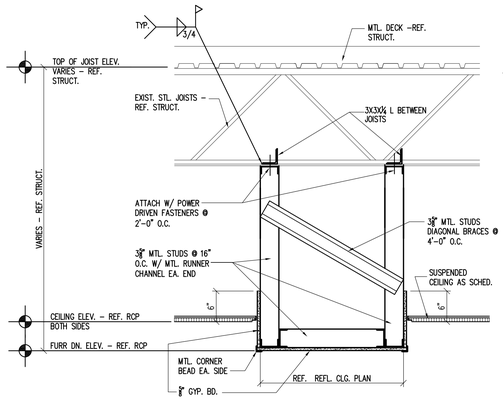
4 DETAIL
SCALE: 3"=1'-0"

GENERAL NOTES

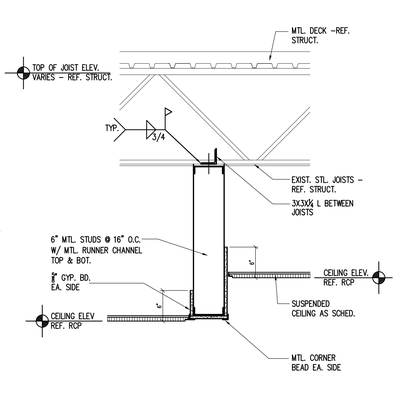
1. WALL INSULATION NOT SHOWN FOR CLARITY. REFER TO WALL SECTIONS FOR INSULATION LOCATIONS.



5 DETAIL
SCALE: 3"=1'-0"



6 DETAIL
SCALE: 3"=1'-0"



7 DETAIL
SCALE: 3"=1'-0"

8 DETAIL
SCALE: 3"=1'-0"

9 DETAIL
SCALE: 3"=1'-0"

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REGISTERED ARCHITECT RICHARD H. BRIDWELL 6467 STATE OF TEXAS
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DETAILS

A503

MECHANICAL SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.
2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS, TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC. FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS, AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC.) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT BID.
3. CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. NOTIFY THE ARCHITECT OF ANY CONFLICTS.
4. BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTOR'S FAILURE TO FIELD COORDINATE.
5. THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
6. LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.
7. PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS, OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.
8. COORDINATE ELECTRICAL REQUIREMENTS OF APPROVED MECHANICAL EQUIPMENT WITH THE ELECTRICAL SUB-CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL EQUIPMENT, DEVICES, WIRING, OR CONDUIT.
9. PROVIDE GENERAL CONTROL WIRING, THERMOSTATS, MOTORIZED DAMPERS AND CONDUIT ASSOCIATED WITH HVAC EQUIPMENT. COORDINATE THE LOCATION OF ALL THERMOSTATS, ROOM SENSORS, ETC. WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC. EXISTS, NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION. INSTALL THERMOSTATS, CENTERED AT 4'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE INDICATED. COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY STANDARD (TAS).
10. ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE NET INSIDE CLEAR DIMENSIONS. FOR RECTANGULAR DUCT, THE FIRST FIGURE OF THE DUCT SIZE INDICATES THE DIMENSION OF THE FACE SHOWN. VERIFY THAT THE DUCTWORK SPECIFIED WILL FIT IN THE SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AS REFERENCE PRIOR TO FABRICATION AND INSTALLATION. ROUND DUCT OF EQUAL NET INSIDE CLEAR AREA MAY BE USED IN LIEU OF RECTANGULAR DUCT.
11. PROVIDE TURNING VANES ON ALL RECTANGULAR SUPPLY, EXHAUST, AND RETURN DUCTWORK INCLUDING THE TOP AND BOTTOM OF VERTICAL DUCTS UNLESS OTHERWISE INDICATED.
12. PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TAP OF EACH RUN-OUT TO DIFFUSERS FOR BALANCING PURPOSES, UNLESS OTHERWISE INDICATED. THE RUN-OUT DUCT SIZE IS THE SAME SIZE AS THE DIFFUSER OR GRILLE NECK SIZE, UNLESS OTHERWISE INDICATED.
13. CEILING SPACE IS NEEDED AS A RETURN AIR PLENUM IN CERTAIN AREAS. FOLLOW ALL APPLICABLE CODES AS TO MATERIALS ALLOWED FOR USE IN AIR PLENUMS. COORDINATE ALL WORK TO PROVIDE FREE RETURN OF AIR FROM ALL LOCATIONS.
14. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL FIRE RATED WALLS AND CEILINGS. PROVIDE FIRE DAMPERS AND/OR COMBINATION FIRE/SMOKE DAMPERS IN DUCTWORK AT ALL LOCATIONS WHERE DUCTS PASS THROUGH FIRE RATED ASSEMBLY. MECHANICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING FIRE AND FIRE/SMOKE DAMPERS. COORDINATE CONSTRUCTION REQUIREMENTS AND PROVISIONS FOR CONNECTIONS TO FIRE ALARM SYSTEM.
15. ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. ALL DUCTWORK ASSOCIATED WITH VARIABLE VOLUME SYSTEMS SHALL BE CONSTRUCTED TO 2" W.G. AND SEALED TO SMACNA CLASS A. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.
16. ALL RECTANGULAR AND ROUND SUPPLY AND RETURN DUCTWORK LOCATED IN EXPOSED INTERIOR AREAS SHALL BE INTERNALLY LINED WITH DUCT LINER AND EXTERNALLY PAINTED. REFER TO ARCHITECT FOR COLOR SELECTION.
17. INSTALL DX PIPING AS SPECIFIED, INCLUDING FILTER/DRYER, SIGHT GLASS, ISOLATION/CHARGING VALVES, AND ALL APPURTENANCES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE ACCOMPLISHED IN A NEAT AND ORDERLY FASHION, AS APPROVED BY THE ENGINEER. COORDINATE FOR ROUTING OF DX PIPING, UP INSIDE OF WALLS, ETC. AS REQUIRED, TERMINATING AT AHU's. PROVIDE BRACING/ISOLATION AS REQUIRED TO PREVENT VIBRATION OF DX PIPING INSIDE WALLS, ETC. SIZE, ROUTE, AND INSULATE DX PIPING PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATION REQUIREMENTS.
18. PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN EQUIPMENT, UNLESS OTHERWISE NOTED. PROVIDE ISOLATION AS INDICATED OR AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
19. SOME PIPES AND DUCTS SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.
20. SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.
21. ALL EQUIPMENT SHALL HAVE IDENTIFICATION TAGS. TAGS SHALL BE PLASTIC LAMINATE, WHITE FACE WITH 1/2" TALL BLACK LETTERS. THE TAG SHALL MATCH THE UNIT DESIGNATIONS SHOWN ON THE SCHEDULES.
22. EXPAND OR REDUCE DUCTS AT EQUIPMENT CONNECTIONS BASED ON THE EQUIPMENT PURCHASED, WITH TRANSITIONS NOT TO EXCEED 30 DEGREES. SIZES SHOWN ON SCHEDULES, ETC. ARE FOR GUIDANCE ONLY. ASPECT RATIO SHALL BE NO GREATER THAN 4:1, PER SMACNA'S GUIDELINES.
23. ALL DUCTS WITH A DIMENSION GREATER THAN 12" PASSING THRU A NON-RATED WALL SHALL HAVE THE OPENING FRAMED IN WITH METAL STUDS. COORDINATE OPENING SIZE AND LOCATION WITH OTHER TRADES.
24. PROVIDE HIGH POINT AIR VENTS AS SHOWN ON PLANS. WHERE PIPING ROUTING CREATES AIR TRAPS AIR VENTS SHALL BE INSTALLED ON EITHER SIDE OF TRAP.
25. WHERE DAMPERS ARE LOCATED ABOVE HARD CEILINGS PROVIDE CONCEALED YOUNG REGULATORS. REGULATORS SHALL NOT BE LOCATED IN CORRIDORS, PATIENT CARE, OR TREATMENT AREAS. EACH REGULATOR SHALL BE LABELED PER THE SPECIFICATIONS.
26. TEST AND BALANCE SHALL BE PERFORMED BY AN AABC LICENSED FIRM IN THE TESTING, ADJUSTING, AND BALANCING (TAB) BUSINESS FOR A MINIMUM OF 10 YEARS. AABC FIRM SHALL SUBMIT A REPORT TO THE ENGINEER OF RECORD INDICATING EQUIPMENT NAMEPLATE DATA, DESIGN PERFORMANCE, INITIAL TESTED PERFORMANCE, AND FINAL ADJUSTED PERFORMANCE. REPORT SHALL BE SUBMITTED IN A TIMELY FASHION PRIOR TO JOB CLOSE-OUT. TAB SHALL BE PERFORMED ON ALL NEW SYSTEMS SPECIFIED AND ON ALL EXISTING SYSTEMS MODIFIED AS PART OF THIS CONTRACT. TAB FIRM SHALL PERFORM A FUNCTIONAL PERFORMANCE TEST OF THE SYSTEM BASED ON THE CONTRACT DOCUMENTS HEREIN AND SHALL RELAY ALL DISCREPANCIES AND OUTSTANDING CONSTRUCTION ITEMS RELATING TO THE MECHANICAL EQUIPMENT AND PERFORMANCE TO THE ENGINEER OF RECORD.

ABBREVIATIONS

AD	ACCESS DOOR	L	LENGTH
A/C	AIR CONDITIONING UNIT	LAT	LEAVING AIR TEMPERATURE
A/E	ARCHITECT/ENGINEER	LPC	LOW PRESSURE CONDENSATE
AFF	ABOVE FINISHED FLOOR	LPS	LOW PRESSURE STEAM
AFS	AIR FLOW SWITCH	LB	POUNDS
AHU	AIR HANDLING UNIT	LRA	LOCKED ROTOR AMPS
APPROX	APPROXIMATE	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT PER HOUR	MBH	1000 BRITISH THERMAL UNITS/HOUR
C/A	COMBUSTION AIR	MCA	MINIMUM CIRCUIT AMPACITY
CC	COOLING COIL	MFR	MANUFACTURER
CFH	CUBIC FEET PER HOUR	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	N/A	NOT APPLICABLE
CLG	CEILING	N/O	NORMALLY OPEN
CU	CONDENSING UNIT	N/C	NORMALLY CLOSED
D	EQUIPMENT DRAIN	O/A	OUTSIDE AIR/FRESH AIR
DEG	DEGREES	OBD	OPPOSED BLADE DAMPER
DB	DRY BULB	O/C	ON CENTER
DN	DOWN	PEF	PURGE EXHAUST FAN
(E)	EXISTING	PH	PHASE
EAT	ENTERING AIR TEMPERATURE	PROVIDE	FURNISH AND INSTALL
E/A	EXHAUST AIR	PRV	PRESSURE REDUCING VALVE
EDH	ELECTRIC DUCT HEATER	PSI	POUNDS PER SQUARE INCH
EF	EXHAUST FAN	R/A	RETURN AIR
EQUIP	EQUIPMENT	RE:	REFERENCE, REFER
EWT	ENTERING WATER TEMPERATURE	RL	REFRIGERANT LIQUID
°F	DEGREES FAHRENHEIT	RLA	RUNNING LOAD AMPS
FCU	FAN COIL UNIT	RM	ROOM
FD	FIRE DAMPER	RPM	REVOLUTIONS PER MINUTE
FLA	FULL LOAD AMPS	RS	REFRIGERANT SUCTION
FLR	FLOOR	S/A	SUPPLY AIR
FO	FLAT OVAL DUCT	SD	SMOKE DETECTOR
FSD	FIRE SMOKE DAMPER	SF	SQUARE FOOT, SUPPLY FAN
FT.	FOOT, FEET	SPECS	SPECIFICATIONS
FT. WG	FEET WATER GAUGE	T, TSTAT	THERMOSTAT, ROOM SENSOR
GA	U.S. GAUGE	T/A	TRANSFER AIR
GPM	GALLONS PER MINUTE	THRU	THROUGH
H	HEIGHT	TSP	TOTAL STATIC PRESSURE
HP	HORSEPOWER	TYP	TYPICAL
HPC	HIGH PRESSURE CONDENSATE	UL	UNDERWRITERS LABORATORIES, INC.
HPS	HIGH PRESSURE STEAM	UH	UNIT HEATER
HWR	HEATING WATER RETURN	V	VOLTS
HWS	HEATING WATER SUPPLY	VAV	VARIABLE VOLUME
HZ	HERTZ	VEL	VELOCITY
IN.	INCH, INCHES	VFD	VARIABLE FREQUENCY DRIVE
IN. WG	INCHES WATER GAUGE	W/	WITH
J-BOX	JUNCTION BOX	WB	WET BULB
kW	KILLOWATT	W/O	WITHOUT

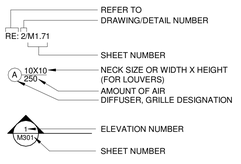
LINE TYPES

SYMBOL	DESCRIPTION
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CHW S	CHILLED WATER SUPPLY
CHW R	CHILLED WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
RD	REFRIGERANT DISCHARGE
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
HPS	HIGH PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
PC	PUMPED CONDENSATE
MU	MAKE-UP WATER
	DIRECTION OF FLOW
	DIRECTION OF PIPE SLOPE DOWN

VALVES AND FITTINGS

SYMBOL	DESCRIPTION
	SHUT-OFF / ISOLATION VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	PLUG VALVE / COCK VALVE
	CHECK VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
S	SOLENOID VALVE
	STRAINER
	CALIBRATED BALANCING VALVE
	FLOW SWITCH
	UNION (DIELECTRIC)
	VALVE IN RISER
	END RISE (90° ELL)
	END DROP (90° ELL)
	RISE OR DROP
	TEE OUT OF TOP OF PIPE
	TEE OUT OF BOTTOM OF PIPE
	CAP ON END OF PIPE
AG	ALIGNMENT GUIDE
	PIPE ANCHOR, PIPE DEMOLITION

DRAWING/DETAIL REFERENCE



MISCELLANEOUS

1	DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)
	CONNECTION TO EXISTING

SYMBOLS

SYMBOL	DESCRIPTION
20/20	ACOUSTICAL DUCT LINING (FIGURES SHOWN ARE INSIDE DUCT DIMENSIONS
20/20	SUPPLY AIR DUCT UP (POSITIVE PRESSURE)
20/20	RETURN, EXHAUST OR OUTSIDE AIR INTAKE
20/20	SUPPLY AIR DUCT DOWN (POSITIVE PRESSURE)
20/20	RETURN, EXHAUST OR OUTSIDE AIR INTAKE
20/20	SUPPLY AIR DUCT DOWN (POSITIVE PRESSURE)
20/20	RETURN, EXHAUST OR OUTSIDE AIR INTAKE
18"Ø	ROUND DUCT UP
18"Ø	ROUND DUCT DOWN
18"Ø	ROUND DUCT UP
18"Ø	ROUND DUCT DOWN
18"Ø	ROUND DUCT UP
18"Ø	ROUND DUCT DOWN
	ARROW INDICATES DIRECTION OF AIR FLOW
0.5 1.0	INDICATES SMACNA PRESSURE CLASS OF DUCT CONSTRUCTION
UP	CHANGE OF ELEVATION, RISE(UP) OR DROP (DN) IN DIRECTION OF ARROW
AD	ACCESS DOOR, BOTTOM (UNLESS OTHERWISE NOTED) SIZE AS NOTED OR SPECIFIED
AD	ACCESS DOOR, SIDE, SIZE AS NOTED OR SPECIFIED
	RECTANGULAR DUCT SQUARE ELBOW WITH TURNING VANES
W R=3W/2	RECTANGULAR DUCT RADIUS ELBOW
D R=3D/2	ROUND DUCT RADIUS ELBOW
16/20 20/20	TRANSITION CONCENTRIC UNLESS TOP LEVEL(TOP LVL) OR BOTTOM LEVEL(BOT LVL) IS NOTED
20/20 16"Ø	TRANSITION, RECTANGULAR TO ROUND CONCENTRIC UNLESS TOP LEVEL (TOP LVL) OR BOTTOM LEVEL (BOT LVL) IS NOTED
	DUCT FLEXIBLE CONNECTION
	SOUND ATTENUATOR
	SQUARE CEILING DIFFUSER (SUPPLY) (4-WAY UNLESS OTHERWISE INDICATED)
	SQUARE RETURN CEILING GRILLE
	SQUARE EXHAUST CEILING GRILLE
T T CO	THERMOSTAT, TEMP SENSOR, CARBON MONOXIDE SENSOR
	DUCT SPLITTER WITH DAMPER
M	MOTORIZED DAMPER
or	MANUAL VOLUME DAMPER
FD or FD	FIRE DAMPER

BASIS OF MECHANICAL DESIGN

PRIMARY MECHANICAL CODES:
MECHANICAL: 2015 INTERNATIONAL MECHANICAL CODE (WITH CITY AMENDMENTS).
ENERGY: 2006 INTERNATIONAL ENERGY CODE (WITH CITY AMENDMENTS).

PROJECT DESIGN VALUES:

OUTDOOR DESIGN TEMPERATURE (SUMMER):	101.2°F (DRYBULB), 72.7°F (WETBULB)
AMBIENT TEMPERATURE AT CONDENSING UNITS:	105°F (DRYBULB, SUMMER)
OUTDOOR DESIGN TEMPERATURE (WINTER):	18.6°F (DRYBULB)
INDOOR DESIGN TEMPERATURE (SUMMER):	75°F (DRYBULB), 50% (RELATIVE HUMIDITY)
INDOOR DESIGN TEMPERATURE (WINTER):	72°F (DRYBULB)

DEMOLITION WORK NOTES

GENERAL

1. EXISTING WORK SHOWN ON PLANS IS FROM PREVIOUS ENGINEERING DOCUMENTS AND FIELD OBSERVATIONS. ACTUAL CONDITIONS MAY VARY; FIELD VERIFY EXISTING WORK AND MAKE MINOR ADJUSTMENTS NECESSARY TO COMPLETE WORK. IF EXISTING CONDITIONS PROHIBIT WORK, NOTIFY THE ARCHITECT FOR DIRECTION, AS REQUIRED.
2. WHERE EXISTING EQUIPMENT OR DUCTWORK IS LOCATED SUCH THAT IT IS ALONG THE TOP OF NEW WALLS TO DECK, IT SHALL BE RELOCATED. COORDINATE SUCH WORK WITH OTHER TRADES. RELOCATED EQUIPMENT SHALL BE TO A LOCATION THAT ALLOWS ACCESS FOR PERIODIC SERVICING AND REPAIR.
3. COORDINATE WITH ALL TRADES FOR REQUIRED CEILING REMOVAL IN EXISTING BUILDING. NOTIFY THE ARCHITECT AND OWNER PRIOR TO COMMENCING REMOVAL. REMOVE ONLY THAT PORTION OF THE CEILING NECESSARY TO ACCESS AND COMPLETE THE WORK. UPON COMMPLETION OF THE ABOVE CEILING WORK, CEILING IS TO BE REINSTALLED. REPLACE ANY DAMAGED CEILING TILES WITH NEW TILES TO MATCH EXISTING.
4. DEMOLITION SHALL EXTEND TO POINTS OF CONNECTION WITH LIVE SERVICES (PANELBOARDS, PIPING MAINS, ETC). DEMOLITION SHALL NOT PERMIT ABANDONMENT OF ANY PORTION OF ANY SYSTEM UNLESS SPECIFICALLY NOTED AS "ABANDON IN PLACE" OR "TO REMAIN".
5. DEMOLITION SHALL INCLUDE EQUIPMENT, PIPING, DUCTWORK, SUPPORTS, FITTINGS, ACCESSORIES, CONTROLS, WIRING, CONDUIT, ETC, IN THEIR ENTIRETY UNLESS OTHERWISE NOTED.
6. VERIFY THE CONDITION OF ALL EXISTING EQUIPMENT WITHIN THE PROJECT SCOPE, EXACT SIZES OF EXISTING DUCT AND PIPING, ETC BEFORE COMMENCING DEMOLITION WORK. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS TO ARCHITECT PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.
7. PATCH OPENINGS IN WALLS TO MAINTAIN THE INTEGRITY OF THE WALL WHERE AIR DEVICES HAVE BEEN REMOVED. REFER TO ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.

EQUIPMENT

1. THE OWNER HAS THE FIRST RIGHT-OF-REFUSAL FOR ALL DEMOLISHED EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ANY EQUIPMENT REFUSED BY THE OWNER.
2. ALL REMOVED EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION. REMOVED EQUIPMENT NOT INDICATED FOR RE-USE SHALL REMAIN THE PROPERTY OF THE OWNER. REMOVE THE EQUIPMENT AND DELIVER IT TO THE OWNER. SHOULD THE OWNER DECLINE THE POSSESSION OF THE REMOVED EQUIPMENT, IT SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR REMOVAL FROM SITE.
3. WHEN ALL CONSTRUCTION IS COMPLETE INSTALL NEW, CLEAN PRE-/POST-FILTERS IN AIR UNITS SERVING THE RENOVATED AREAS. VERIFY CONDITION OF UNIT FILTER GAUGES AND REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.
4. FOR ALL EQUIPMENT TO BE DEMOLISHED, RECLAIM REFRIGERANT PRIOR TO DEMO OR REMOVAL OF EQUIPMENT IN ACCORDANCE WITH LOCAL AHJ REQUIREMENTS AND US EPA REGULATIONS. REFRIGERANT RECLAIMER MUST BE CERTIFIED BY THE EPA.

DUCTWORK

1. CAP AND SEAL AIR TIGHT ALL POINTS AT WHICH DUCTWORK IS REMOVED FROM DUCTWORK THAT WILL REMAIN. RE-INSULATE REMAINING DUCTWORK TO MAINTAIN VAPOR BARRIER.
3. TAKE AIR READINGS OF ALL GRILLES, REGISTERS, AND DIFFUSERS IN PROJECT AREAS PRIOR TO DEMOLITION. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.
4. VERIFY CLEARANCE REQUIREMENTS AND INDICATE ROUTING OF NEW DUCTWORK BEFORE FABRICATION BEGINS AS RISES AND DROPS MAY BE NECESSARY DUE TO EXISTING FIELD CONDITIONS.

PIPING

1. WHERE PIPING IS SHOWN TO BE DEMOLISHED, IT SHALL BE DEMOLISHED TO THE POINT OF ORIGIN AT THE NEAREST ACTIVE MAIN. INSTALL SHUT-OFF VALVE AND CAP FOR FUTURE CONNECTION.

CONTROLS

1. DEMOLITION AND/OR RELOCATION OF CONTROLS FOR EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO:
   - SPACE AND DUCT THERMOSTATS
   - SPACE AND DUCT TEMPERATURE/HUMIDITY SENSORS;
   - SMOKE DETECTORS, FIRE-STATS, FREEZE-STATS, AND OTHER SAFETY OR LIMITING DEVICES;
   - RTU AND EXISTING CONTROL SYSTEMS CONTROL PANELS
2. VERIFY CONDITION OF ALL EXISTING LIFE SAFETY DEVICES (FIRE DAMPERS, DUCT DETECTORS, ETC) THAT ARE TO REMAIN AND ARE WITHIN LIMITS OF CONSTRUCTION. REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.

REV.	DATE	DESCRIPTION	APPR.
1	09/14/2020	ISSUED WITH ADDENDUM NO. 1	

AUGUST 24, 2020

DANIEL BUILDING RENOVATION
J.S. BRIDWELL ACTIVITIES CENTER
& CANNEDY GREEK COMMONS

MSU TEXAS
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STATE OF TEXAS
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DRAWN BY: RHL
CHECKED BY: BDR
DATE:
PROJECT NO: 18071

MECHANICAL GENERAL NOTES AND LEGENDS

M001

INDOOR HYDRONIC AIR HANDLER SCHEDULE

MARK AHU-	SERVES	ARRANGMENT	SCFM	MIN O/A CFM	DESIGN O/A CFM	EXT. S.P. IN WG	COOLING DATA										HEATING DATA						FAN ELEC. DATA					WEIGHT (lbs)	MANUFACTURER AND MODEL	REMARKS
							ENT AIR DEG. F.		LV AIR DEG. F.		MIN. CAP. MBH		WATER			MAX. PD FT WG	EAT DB DEG. F.	LAT DB DEG. F.	MIN. CAP. MBH	WATER			MAX. PD FT WG	H.P.	V	PH	MCA	MOCP			
							DB	WB	DB	WB	SENS	TOTAL	GPM	ENT. DEG. F.	LVG. DEG. F.					GPM	ENT. DEG	LVG. DEG									
1	EVENT	DOWN FLOW/ FLOOR MOUNT	4,920	250	1,085	2	81.1	64.8	54.9	52.9	124.9	159.1	19.9	45.0	61.0	20	58.7	95.0	193.1	19.3	180.0	160.0	1	7.5	208	3	26.4	45	2,293	JCI/XTI	1,2,3,4,5,6,7,8,9,10,12,14,15,16,17
2	STUDENT GOVER B AND CORE	DOWN FLOW/ FLOOR MOUNT	3,335	N/A	620	2	79.5	64.3	57.3	54.1	120.1	134.4	16.8	45.0	61.0	20	60.4	95.0	124.5	12.4	180.0	160.0	1	5	208	3	17.5	30	2,113	JCI/XTI	1,2,3,4,5,6,7,8,9,10,12,14,15,16,17
3	GREEK C	HORIZONTAL/ FLOOR MOUNT	2,110	N/A	495	0.7	81.5	65.1	55.3	53.5	61.8	74.1	9.3	45.0	61.0	20	57.9	95.0	84.4	8.4	180.0	160.0	1	2	208	3	8.3	15	623	JCI/HDD	1,2,3,4,5,6,7,8,13,16,17
4	GREEK D	HORIZONTAL/ FLOOR MOUNT	2,120	N/A	480	0.7	81.3	65.0	54.1	52.6	56.9	70.4	8.8	45.0	61.0	20	58.4	95.0	83.9	8.4	180.0	160.0	1	2	208	3	8.3	15	623	JCI/HDD	1,2,3,4,5,6,7,8,13,16,17
5	GREEK E	HORIZONTAL/ FLOOR MOUNT	2,120	N/A	480	0.7	81.3	65.0	54.1	52.6	55.2	68.6	8.6	45.0	61.0	20	58.4	95.0	83.9	8.4	180.0	160.0	1	2	208	3	8.3	15	623	JCI/HDD	1,2,3,4,5,6,7,8,13,16,17
6	GREEK F	HORIZONTAL/ FLOOR MOUNT	2,120	N/A	480	0.7	81.3	65.0	54.1	52.6	55.0	68.4	8.6	45.0	61.0	20	58.4	95.0	83.9	8.4	180.0	160.0	1	2	208	3	8.3	15	623	JCI/HDD	1,2,3,4,5,6,7,8,13,16,17
7	GREEK G	VERTICAL/ FLOOR MOUNT	590	N/A	100	0.7	81.3	65.0	55.0	52.7	12.6	14.5	1.8	45.0	61.0	20	61.3	95.0	21.5	2.1	180.0	160.0	1	1/4	115	1	6.1	15	161	JCI/CDV	1,2,3,4,5,6,7,8,11,13,17
8	CAFÉ	VERTICAL/ FLOOR MOUNT	2,100	N/A	510	0.7	81.7	65.0	54.1	52.6	56.2	70.3	8.8	45.0	61.0	20	57.5	95.0	85.0	8.5	180.0	160.0	1	2	208	3	8.3	15	623	JCI/VDD	1,2,3,4,5,6,7,8,13,16,17
9	SEATING AND VESTIBULE	VERTICAL/ FLOOR MOUNT	2,150	N/A	190	0.7	77.4	63.5	54.1	52.6	64.9	69.3	8.7	45.0	61.0	20	65.5	95.0	68.6	6.9	180.0	160.0	1	2	208	3	8.3	15	623	JCI/VDD	1,2,3,4,5,6,7,8,13,17
10	STUDENT GOVER. H	VERTICAL/ FLOOR MOUNT	555	N/A	100	0.7	81.3	65.0	55.0	53.2	12.6	14.5	1.8	45.0	61.0	20	60.7	95.0	20.5	2.1	180.0	160.0	1	1/4	115	1	6.1	15	161	JCI/CDV	1,2,3,4,5,6,7,8,11,13,17

1. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE FILTER OR UNIT LOSSES
2. PROVIDE MOTORIZED CONTROL DAMPER ON THE RETURN AND OUTDOOR AIR CONNECTIONS
3. PROVIDE FILTER RACK/SECTION DESIGNED FOR 2" MERV. 8 FILTERS.
4. PROVIDE COOLING COIL AND HEATING COIL PIPING PACKAGE WITH CONTROL AND ISOLATION VALVES.
5. PROVIDE WITH ECONOMIZER MODE. OUTSIDE AIR DAMPERS SHALL BE SPLIT FOR ECONOMIZER MODE AND FOR DESIGN OUTSIDE AIRFLOW.
6. JCI IS THE AHU BASIS OF DESIGN. ACCEPTABLE MANUFACTURER: CARRIER AND YORK. CONTRACTOR IS RESPONSIBLE FOR VARIATION TO FIT, ELECTRICAL CONNECTION.
7. PROVIDE WITH STAINLESS STEEL DRAIN PAN.
8. PROVIDE YASKAWA OR SQAURE D VFD FOR CONTROL OF SUPPLY FAN. 1
9. UNIT SHALL BE DOUBLE WALL CONSTRUCTION WITH MINIMUM 2" FOAM INSULATION BETWEEN PANELS. R-VALUES OF INSULATION SHALL BE R-13 OR HIGHER. PANELS SHALL BE THERMALLY BROKEN.
10. AHU EQUIPMENT PAD HEIGHT SHALL BE SIZED TO MEET THE CONDENSATE TRAP DIMENSIONS.
11. EQUIPMENT IS NOT IN BASE BID. EQUIPMENT IS FOR ALTERNATE 2.
12. EQUIPMENT WILL REQUIRE SEPARATE POWER CONNECTION FOR LIGHTS AND OUTLET (120V, 1PH, 60 HZ, 15 MOCP). COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE POWER AS NEEDED.
13. UNIT SHALL BE SINGLE WALL CONSTRUCTION WITH 1" FOAM INSULATION.
14. PROVIDE WITH MANUFACTURER'S DEMAND CONTROLLED VENTILATION PACKAGE.
15. PROVIDE WITH CO2 SENSOR
16. PROVIDE WITH HUMIDITY SENSOR
17. CAPACITIES LISTED ARE NET FROM UNIT DISCHAGE. UNIT SHALL PERFORM TO LISTED CAPACITES. UNIT PERFORMANCE MUST SATISFY BOTH SENSIBLE AND LATENT CAPACITY REQUIREMENTS.

DX DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK ACCUI-AC-	SERVICE	AIR HANDLER					MANUFACTURER MAKE AND MODEL	AIR COOLED CONDENSING UNIT									MANUFACTURER MAKE AND MODEL	HEATING PERFORMANCE DATA					COOLING PERFORMANCE DATA							REMARKS
		ARRANGEMENT	CFM	FLA	POWER CONNECTION			COMPRESSORS		REF. TYPE	FANS		POWER CONNECTION					TOTAL CAPACITY (MBH)	O.D. D.B. F.	ENT. D.B. F.	LVG. D.B. F.	HSPF	CAPACITY (MBH)		O.D. D.B. F.	ENTERING			MIN. SEER	
					V.	Ph.	MCA	MOCP		NO.	R.L.AMPS EACH		NO.	FLA	V.	Ph.	MCA	MOCP						TOTAL	SENS		D.B. F.	W.B. F.		
1	ELECTRICAL ROOM	WALL MOUNT	530	0.4	POWERED THRU CU			LG/LSN243HLV	1	14.6	R410A	1	0.25	208	1	19	30	LG/LSU243HLV	14.3	18.0	70.0	95.0	12.0	20.4	17.9	105	75	58	21.5	1,2,3,4,5,6,7,8,9,10
2	I.D.F	WALL MOUNT	530	0.4	POWERED THRU CU			LG/LSN243HLV	1	14.6	R410A	1	0.25	208	1	19	30	LG/LSU243HLV	14.3	18.0	70.0	95.0	12.0	20.4	17.9	105	75	58	21.5	1,2,3,4,5,6,7,8,9,10

1. PROVIDE WITH LG HARD WIRED THERMOSTAT AND CONDENSATE PUMP
2. SIZE, ROUTE, INSULATE AND PROVIDE APPURTENANCES FOR DX PIPING SYSTEMS, PER MANUFACTURER RECOMMENDATIONS
3. COORDINATE OUTDOOR UNIT MOUNTING REQUIREMENTS.
4. PROVIDE WITH MANUFACTURER'S LONG REFRIGERANT LINE KIT AS NEEDED.
5. LG IS THE BASIS FOR DESIGN. ACCEPTABLE ALTERNATE MANUFACTURERS ARE: DAIKIN AND MITSUBISHI - NO EXCEPTIONS. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT, AND ELECTRICAL SERVICE.
6. PROVIDE FILTER DRYER AND SIGHT GLASS ON THE DX LINE.
7. PROVIDE UNIT WITH FACTORY CONDENSTAE PUMP. VERIFY PUMP HEAD WITH CONDITIONS IN THE FIELD. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
8. CONDENSING UNIT IS A SINGLE POINT OF POWER CONNECTION. CONDENSING UNIT POWERS ASSOCIATED AIR HANDLER FROM TERMINAL STRIP LOCATED ON CONDENSING UNIT. FOLLOW MANUFACTURERE'S RECOMMENDED GUIDELINES.
9. LISTED CAPACITIES ARE FOR THE AIR HANDLER UNIT AND CONDENSER UNIT COMBINATION. UNITS SHALL PERFORM TO LISTED CAPACITIES.
10. PROVIDE WITH MANUFACTURER BACNET CARD FOR MIGRATING INTO EXISTING BAS SYSTEM.

FAN SCHEDULE

MARK EF-	SERVE	CFM	EXT. SP IN. WG	MOTOR DATA			DRIVE	MAX. SONES	WEIGHT (lbs)	MANUFACTURER AND MODEL NUMBER	CONTROLS			REMARKS
				HP (WATTS)	VOLTS	PH					TOGGLE SWITCH	24HR/7DAY PROG. TIME CLOCK	DDC	
1	WOMENS R.R AND FAMILY R.R	675	0.4	(249)	115	1	DIRECT	3.7	42	TWIN CITY/ T900L			X	1,2,3,4,5,6,7,8
2	MENS R.R	525	0.5	(249)	115	1	DIRECT	4.0	42	TWIN CITY/ T700L			X	1,2,3,4,5,6,7,8
3	GREEK SUITE C R.R.	150	0.5	(71)	115	1	DIRECT	2.3	25	TWIN CITY/ T200L			X	1,2,3,4,5,6,7,8
4	GREEK SUITE D R.R.	150	0.5	(71)	115	1	DIRECT	2.3	25	TWIN CITY/ T200L			X	1,2,3,4,5,6,7,8
5	GREEK SUITE E R.R.	150	0.5	(71)	115	1	DIRECT	2.3	25	TWIN CITY/ T200L			X	1,2,3,4,5,6,7,8
6	GREEK SUITE F R.R.	150	0.5	(71)	115	1	DIRECT	2.3	25	TWIN CITY/ T200L			X	1,2,3,4,5,6,7,8
7	GREEK SUITE G R.R.	75	0.5	(36)	115	1	DIRECT	1.4	21	TWIN CITY/ T100L			X	1,2,3,4,5,6,7,8,9

1. OR APPROVED EQUAL
2. FAN OPERATES BASED ON DDC SYSTEM SCHEDULES.
3. TWIN CITY IS THE BASIS FOR DESIGN. ACCEPTABLE ALTERNATE MANUFACTURER'S ARE: GREENHECK, LOREN COOK, AND CAPTIVEAIRE - NO EXCEPTIONS. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
4. PROVIDE OSHA APPROVED GUARDS
5. PROVIDE A GRAVITY BACKDRAFT DAMPER
6. IN-LINE CABINET FAN, CENTRIFUGAL
7. SUSPEND FROM STRUCTURE ABOVE, USE FAN MANUFACTURER'S HANGING VIBRATION ISOLATOR KIT
8. PROVIDE FAN WITH INTEGRAL DISCONNECT
9. EQUIPMENT IS NOT IN BASE BID. EQUIPMENT IS FOR ALTERNATE 2.

PUMP SCHEDULE

MARK	LOCATION	SERVES	TYPE	GPM	TOTAL HEAD FT. WG	MOTOR DATA					MANUFACTURER AND MODEL	REMARKS
						HP	RPM	V	PH	HZ		
HWP-1	MECH ROOM	(E) STEAM TO HOT WATER CONVERTER	VERTICAL INLINE	85	60	3	2982	208	3	60	ARMSTRONG/ 4300	1,2,3,4,5,6

1. OR APPROVED EQUAL
2. VERTICAL INLINE CASE CENTRIFUGAL
3. PROVIDE WITH VARIABLE FREQUENCY DRIVE BUILT INTO MOTOR.
4. ARMSTRONG IS BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE IN VARIATION TO FIT AND ELECTRICAL SERVICE.
5. CAPACITIES LISTED ARE NET FROM UNIT DISHCHARGE. UNIT MUST SATISFY ALL CAPACITY REQUIREMENTS.
6. PROVIDE STATION SUPPORTS FOR PAD MOUNTING.

CASED REHEAT COIL SCHEDULE

MARK	LOCATION	SERVES	SCFM	AIR PRESS. DROP	REHEAT DATA							MANUFACTURER AND MODEL	REMARKS
					EAT DB DEG.	LAT DB DEG.	MIN. CAP. MBH	WATER			MAX. PD FT WG		
								GPM	ENT. DEG.	LVG. DEG.			
HC-1	IN DUCT	AHU-3	2,110	0.26	55.0	70.0	34.2	6.0	180	160	1.6	TEMTROL	1,2
HC-2	IN DUCT	AHU-4	2,120	0.26	55.0	70.0	34.3	6.0	180	160	1.6	TEMTROL	1,2
HC-3	IN DUCT	AHU-5	2,120	0.26	55.0	70.0	34.3	6.0	180	160	1.6	TEMTROL	1,2
HC-4	IN DUCT	AHU-6	2,120	0.26	55.0	70.0	34.3	6.0	180	160	1.6	TEMTROL	1,2
HC-5	IN DUCT	AHU-8	2,100	0.26	55.0	70.0	34.0	6.0	180	160	1.6	TEMTROL	1,2

1. COIL SHALL BE SHIPPED WITH FLANGES FOR DUCT CONNECTION.
2. HEATING COIL SHALL BE FACTORY SHIPPED WITH 2-WAY VALVE, ACTUATOR AND ASSOCIATED PIPING.

AIR DEVICE SCHEDULE

MARK	SERVES	NECK SIZE	FACE SIZE	MOUNTING	TYPE	MANUFACTURER AND MODEL NO.	REMARKS
A	SUPPLY	10"	24" X 24"	LAY-IN	LOUVERED	TITUS OMNI	1,2,3,4,5,6,8
B	SUPPLY	8"	24" X 24"	LAY-IN	LOUVERED	TITUS OMNI	1,2,3,4,5,6,8
C	SUPPLY	6"	24" X 24"	LAY-IN	LOUVERED	TITUS OMNI	1,2,3,4,5,6,8
D	SUPPLY	14" X 6"	16" X 8"	SIDE WALL	AEROBLADE	TITUS 272 FL	1,2,3,5,7
E	SUPPLY	8" X 8"	10" X 10"	SIDE WALL	AEROBLADE	TITUS 272 FL	1,2,3,5,7
G	RETURN	22" X 22"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3
H	TRANSFER	12" X 12"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3,5
J	EXHAUST	12"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3
K	EXHAUST	8"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3
M	EXHAUST	6"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3
N	EXHAUST	6" X 6"	8" X 8"	SIDE WALL	PERFORATED	TITUS 8F	1,2,3,7
P	TRANSFER	30" X 12"	32" X 14"	SIDE WALL	PERFORATED	TITUS 8F	1,2,3,5

1. UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING/WALL TYPES AND CONDITIONS
2. OFF-WHITE BAKED ENAMEL FINISH
3. OR APPROVED EQUAL
4. FOUR-WAY THROW UNLESS OTHERWISE INDICATED ON PLAN
5. TRANSITION FROM BACK OF GRILLE TO DUCT SIZE SHOWN
6. 18" X 18" FACE SIZE, FOR 24" X 24" LAY-IN MODULE SIZE
7. PROVIDE WITH OPPOSED BLADE DAMPER
8. PROVIDE INSULATION BLANKET ON BACK OF DIFFUSER.

AIR HOOD SCHEDULE

MARK	SERVES	LOCATION	CFM	EXT. SP IN. WG	WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
OAH-1	AHU-1	ROOF	1,085	0.05	93	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-2	AHU-2	ROOF	720	0.05	71	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-3	AHU-3	ROOF	495	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-4	AHU-4	ROOF	480	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-5	AHU-5	ROOF	480	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-6	AHU-6	ROOF	480	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-7	AHU-7	ROOF	100	0.05	34	TWIN CITY/ GRV	1,3,4,5,6
OAH-8	AHU-8	ROOF	510	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-9	AHU-9	ROOF	180	0.05	51	TWIN CITY/ GRV	1,3,4,5,6,7
OAH-10	AHU-10	ROOF	100	0.05	34	TWIN CITY/ GRV	1,3,4,5,6
EAH-1	EF-1	ROOF	675	0.05	64	TWIN CITY/ GRV	1,2,3,4
EAH-2	EF-2	ROOF	525	0.05	64	TWIN CITY/ GRV	1,2,3,4
EAH-3	EF-3	ROOF	150	0.05	34	TWIN CITY/ GRV	1,2,3,4
EAH-4	EF-4	ROOF	150	0.05	34	TWIN CITY/ GRV	1,2,3,4
EAH-5	EF-5	ROOF	150	0.05	34	TWIN CITY/ GRV	1,2,3,4
EAH-6	EF-6	ROOF	150	0.05	34	TWIN CITY/ GRV	1,2,3,4
EAH-7	EF-7	ROOF	75	0.05	34	TWIN CITY/ GRV	1,2,3,4

1. OR APPROVED EQUAL.
2. PROVIDE ALUMINUM BIRD SCREEN.
3. PROVIDE WITH INSULATED FACTORY ROOF CURB TO MATCH ROOF TYPE AND SLOPE
4. PROVIDE GRAVITY BACKDRAFT DAMPER.
5. PROVIDE WITH INSECT SCREEN.
6. PROVIDE WITH MOTORIZED DAMPER. MOTORIZED DAMPER INTERLOCKED WITH AHU CONTROLLER.
7. PROVIDE WITH HINGED OPENING

STATE OF TEXAS
09/14/2020
BRIAN D. RICHARDS
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REV.	DATE	DESCRIPTION
1	09/14/2020	ISSUED WITH ADDENDUM NO. 1
APPR		

AUGUST 24, 2020

DANIEL BUILDING RENOVATION
J.S. BRIDWELL ACTIVITIES CENTER
& CANNEDY GREEK COMMONS

MSU TEXAS
MIDWESTERN STATE UNIVERSITY

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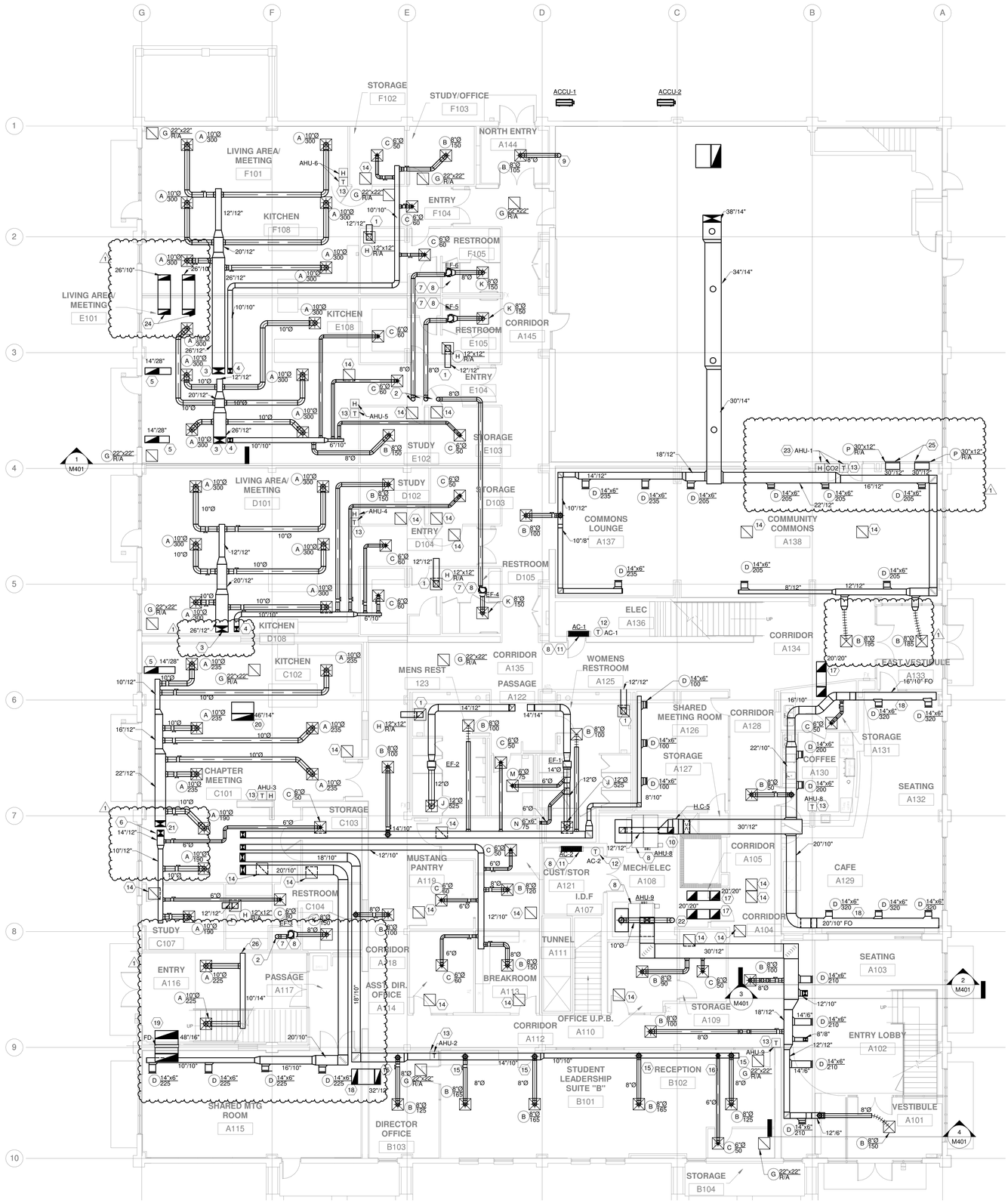
DRAWN BY: RHL
CHECKED BY: BDR
DATE:
PROJECT NO: 1807

MECHANICAL SCHEDULES

M002



M201 - GENERAL NOTES

1	CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION PRIOR TO ORDERING OR FABRICATING ANY MECHANICAL WORK.

M201 NOTES BY SYMBOL

NUMBER	NOTE
1	PROVIDE TRANSFER AIR PATH WITH 12/12 DUCT. PROVIDE TYPE "H", 12/12 NECK SIZE, 24/24 FACE SIZE TRANSFER AIR GRILLE IN THE BATH ROOM SIDE END. OTHER SIDE WILL BE OPEN TO PLENUM SPACE.
2	8" DIA EXHAUST DUCT UP THROUGH FLOOR. RE:1/M202 FOR CONTINUATION.
3	26/12 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR COTINUATION.
4	10/10 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR COTINUATION.
5	14/28 RETURN DUCT UP THROUGH THE FLOOR ABOVE. RETURN AIR DUCT RUN BETWEEN JOISTS. RE:1/M202 FOR COTINUATION.
6	14/12 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR COTINUATION.
7	CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANEL IN THIS LOCATION.
8	CONTRACTOR SHALL PROVIDE AND INSTALL MECHANICAL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCE.
9	8" DIA SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION.
10	12/12 O/A DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION. CONTRACTOR SHALL PROVIDE AND INSTALL MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
11	CONTRACTOR SHALL PROVIDE AND INSTALL WALL MOUNTED AC UNIT ON THIS WALL. MOUNTING HEIGHT WILL BE 8'-0" AFF. COORDINATE WITH ARCHITECT FOR FINAL LOCATION.
12	PROVIDE THERMOSTAT IN THIS LOCATION. MOUNTING HEIGHT FOR T-STAT IS 4'-0" AFF. COORDINATE WITH ARCHITECT FOR FINAL LOCATION.
13	PROVIDE TEMPERATURE SENSOR IN THIS LOCATION. MOUNTING HEIGHT FOR TEMPERATURE SENSOR IS 4'-0" AFF. COORDINATE WITH ARCHITECT FOR FINAL LOCATION.
14	CONTRACTOR SHALL PROVIDE AND INSTALL TYPE "G", 22/22 NECK SIZE, 24/24 FACE SIZE RETURN AIR GRILLE IN THIS LOCATION. REFER TO AIR DEVICE SCHEDULE FOR DETAIL.
15	8" SUPPLY DUCT SHALL BE ROUTED THROUGH JOIST.
16	6" SUPPLY DUCT SHALL BE ROUTED THROUGH JOIST.
17	PROVIDE 20/20 TRANSFER AIR DUCT IN THIS LOCATION. PROVIDE TRANSFER AIR DUCT SHALL BE LOCATED IN BETWEEN STRUCTURAL JOIST.
18	PROVIDE 32/12 TRANSFER AIR DUCT IN THIS LOCATION. PROVIDE TRANSFER AIR DUCT AS HIGH AS POSSIBLE
19	PROVIDE 48/16 TRANSFER AIR DUCT IN THIS LOCATION. PROVIDE TRANSFER AIR DUCT AS HIGH AS POSSIBLE
20	46/14 RETURN AIR DUCT UP THROUGH FLOOR ABOVE AND TERMINATE AT AHU-2. RE:1/M202 FOR CONTINUATION.
21	22/12 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR COTINUATION.
22	10" DIA O/A DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION. CONTRACTOR SHALL PROVIDE AND INSTALL MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
23	PROPOSED SENSOR LOCATIONS FOR BASED BID ONLY. ALT2 WILL HAVE DIFFERENT SENSOR LOCATION. RE:1/M204 FOR NEW LOCATIONS.
24	CONTRACTOR SHALL PROVIDE 24/6 TRANSFER AIR DUCT IN THIS LOCATION. TRANSFER AIR DUCT WILL BE LOCATED IN BETWEEN THE EXISTING STRUCTURE AND THE CEILING.
25	CONTRACTOR SHALL PROVIDE 30/12 TRANSFER AIR DUCT IN THIS LOCATION. PROVIDE TYPE "P", 32/14 FACE SIZE, 30/12 NECKSIZE AIR DEIVCE ON THE MULTI-PURPOSE SIDE OF WALL AND COVER PLENUM SIDE OF DUCT WITH 1/2" METAL MESH.
26	MAIN DUCT IS LOCATED AT SECOND FLOOR LEVEL. SHOWN FOR REFERENCE. RE:1/M202 FOR CONTINUATION.

1 FIRST FLOOR MECHANICAL PLAN

1/8" = 1'-0"

REV.	DATE	RESCRIPTION	APPR
	09/14/2020	ISSUED WITH ADDENDUM NO. 1	

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CHECKED BY: BDR
DATE:
PROJECT NO: 18071

FIRST FLOOR MECHANICAL PLAN

M201

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1 SECOND FLOOR MECHANICAL PLAN

8' 0' 8' 16'

1/8" = 1'-0"

M202 - GENERAL NOTES

1	CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION PRIOR TO ORDERING OR FABRICATING ANY MECHANICAL WORK.

M202 NOTES BY SYMBOL

NUMBER	NOTE
1	CONTRACTOR SHALL PROVIDE AND INSTALL MECHANICAL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCE.
2	26/10 O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT ROOF WITH O/A INTAKE AIR HOOD. CONTRACTOR SHALL PROVIDE MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
3	10" DIA O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT ROOF WITH O/A INTAKE AIR HOOD. CONTRACTOR SHALL PROVIDE MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
4	PROVIDE VERTICAL HYDRONIC FAN COIL UNIT WITH MANUFACTURER'S MIXING BOX. REFER TO MECHANICAL EQUIPMENT SCHEDULES.
5	14/10 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
6	22/10 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
7	8" EXHAUST DUCT UP THROUGH THE ROOF AND TERMINATE WITH EXHAUST AIR HOOD. RE:1/M203
8	26/12 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
9	10/10 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
10	26/14 RETURN DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
12	12/12 O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT ROOF WITH O/A INTAKE AIR HOOD. CONTRACTOR SHALL PROVIDE MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
13	PROVIDE HORIZONTAL FAN COIL UNIT WITH MANUFACTURER'S MIXING BOX. REFER TO MECHANICAL EQUIPMENT SCHEDULES.
14	PROVIDE 48/16 TRANSFER AIR OPENING IN THIS LOCATION. PROVIDE TRANSFER AIR OPENING AS HIGH AS POSSIBLE.
15	12/10 SUPPLY DUCT DOWN THROUGH THE FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
16	18/10 SUPPLY DUCT DOWN THROUGH THE FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
17	20/10 SUPPLY DUCT DOWN THROUGH THE FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
18	12/14 EXHAUST DUCT UP THROUGH THE ROOF AND TERMINATE WITH EXHAUST AIR HOOD. RE:1/M203
19	8" DIA SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
20	12/12 O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT THE ROOF LEVEL WITH ROOF CAP. RE:1/M203 FOR CONTINUATION.
21	14/14 EXHAUST DUCT UP THROUGH THE ROOF AND TERMINATE WITH EXHAUST AIR HOOD. RE:1/M203
22	THIS EQUIPMENT IS FOR ALTERNATE 2. CONTRATOR SHALL NOT INCLUDE THIS EQUIPMENT AND ALL ASSOCIATED ACCESSORIES, FITTINGS, AND DUCTWORK IN BASE BID.
23	22/12 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
24	14/12 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
25	6" DIA SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
26	14/14 O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT ROOF WITH O/A INTAKE AIR HOOD. CONTRACTOR SHALL PROVIDE MOTORAIZED DAMPER AND MANUAL BALANCE DAMPER ON THE VERTICAL RISE DUCT. MOTORIZED DAMPER SHALL INTERLOCK WITH ASSOCIATED AHU. MOTORIZED DAMPER SHALL BE FULLY CLOSED WHEN ASSOCIATED AHU IS OFF.
27	38/14 SUPPLY DUCT DOWN TO FLOOR BELOW. RE:1/M201 FOR CONTINUATION.
28	6" EXHAUST DUCT UP THROUGH THE ROOF AND TERMINATE WITH EXHAUST AIR HOOD. RE:1/M203
29	10" DIA O/A DUCT UP THROUGH THE ROOF AND TERMINATE AT THE ROOF LEVEL WITH ROOF CAP. RE:1/M203 FOR CONTINUATION.
30	EXISTING DUCT TO REMAIN.
31	EXISTING MECHANICAL EQUIPMENT AND ALL ASSOCIATED ACCESSORIES, FITTINGS, AND SUPPORTS TO REMAIN.

NO.	APPR.	DESCRIPTION	DATE
1		ISSUED WITH ADDENDUM NO. 1	09/14/2020

AUGUST 24, 2020

DANIEL BUILDING RENOVATION
J.S. BRIDWELL ACTIVITIES CENTER & CANNEDY GREEK COMMONS

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SECOND FLOOR MECHANICAL PLAN

M202