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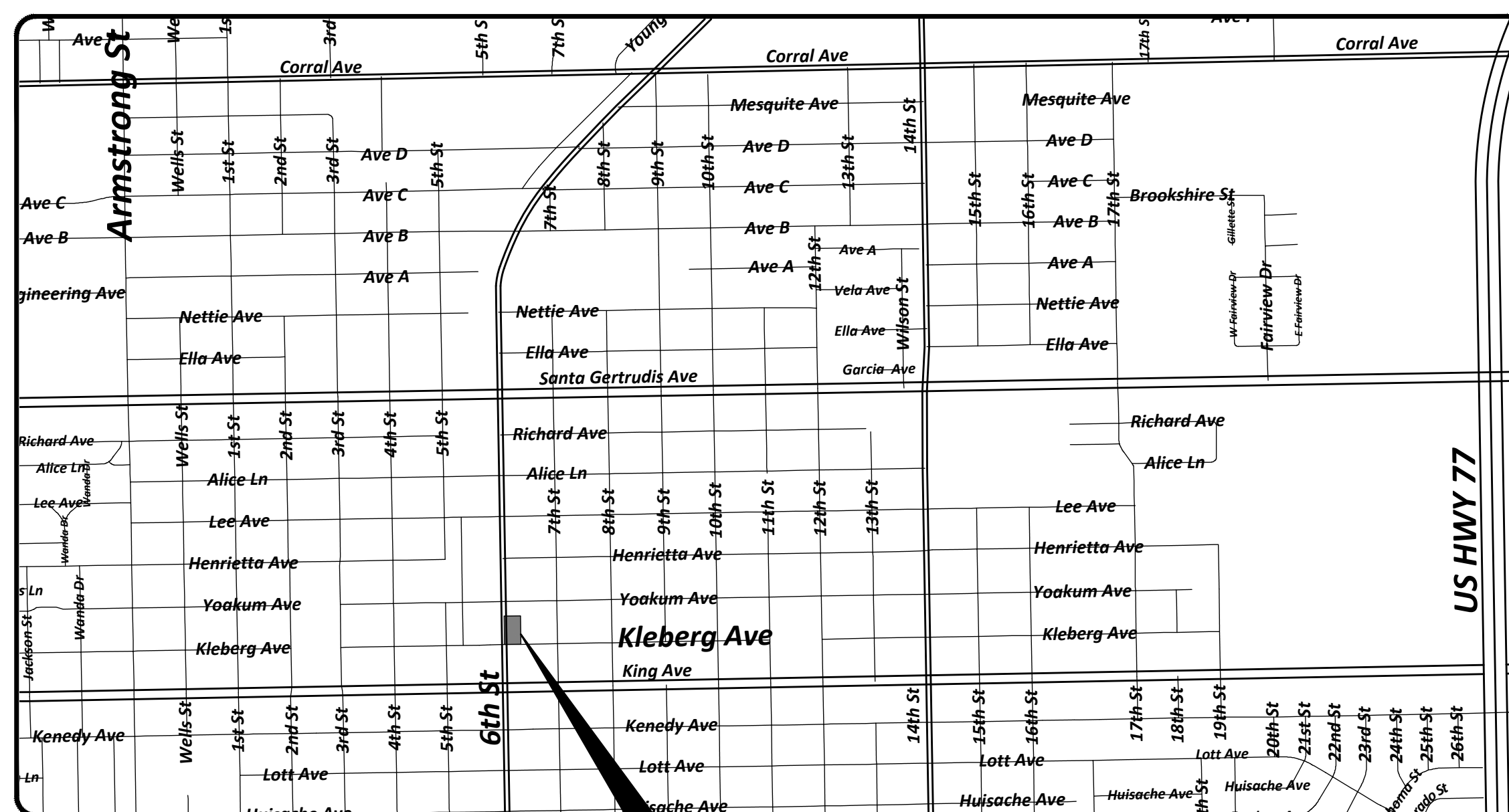
CONSULTANTS

MECHANICAL, ELECTRICAL, PLUMBING  
 DBR ENGINEERING CONSULTANTS, INC.  
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# CITY OF KINGSVILLE MUNICIPAL BUILDING FIRST FLOOR RENOVATION



OCTOBER 30, 2017



**PROJECT LOCATION**  
 MUNICIPAL BUILDING  
 200 EAST KLEBERG AVENUE  
 KINGSVILLE, TEXAS 78363

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**Texas 811** PARTICIPANTS REQUEST  
 48 HOURS NOTICE BEFORE YOU DIG,  
 DRILL, OR BLAST - STOP AND CALL

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SHEET INDEX

SHEET NO.	DESCRIPTION
1.	G1.0 TITLE SHEET
2.	G1.1 GENERAL INFORMATION
3.	D1.0 FIRST FLOOR DEMOLITION FLOOR PLANS
4.	A1.0 FIRST FLOOR PLAN - NEW WORK
5.	A2.0 ROOM FINISH SCHEDULE
6.	A2.1 OPENING SCHEDULE
7.	A5.0 INTERIOR ELEVATIONS AND DETAILS
8.	A5.1 INTERIOR ELEVATIONS AND DETAILS
9.	A5.2 INTERIOR ELEVATIONS AND DETAILS
10.	A5.3 INTERIOR ELEVATIONS AND DETAILS
11.	A5.4 INTERIOR ELEVATIONS AND DETAILS
12.	A5.5 INTERIOR ELEVATIONS AND DETAILS
13.	A6.0 OPENING DETAILS
14.	A7.0 ROOF PLAN
15.	A7.0 ROOF DETAILS
16.	A8.0 FIRST FLOOR REFLECTED CEILING PLAN
17.	MEP1.0 MEP ROOF PLAN - DEMO
18.	MEP2.0 MEP ROOF PLAN
19.	M0.0 MECHANICAL SYMBOLS AND ABBREVIATIONS
20.	M1.0 FIRST FLOOR MECHANICAL DEMO PLAN
21.	M2.0 FIRST FLOOR MECHANICAL PLAN
22.	M3.0 SECOND FLOOR MECHANICAL PLAN
23.	M4.0 MECHANICAL DETAILS
24.	M5.0 MECHANICAL SCHEDULES
25.	E0.0 ELECTRICAL SYMBOL LEGEND
26.	E1.0 FIRST FLOOR LIGHTING PLAN
27.	E2.0 FIRST FLOOR ELECTRICAL POWER PLANS
28.	E3.0 ELECTRICAL DETAILS
29.	E4.0 ELECTRICAL DETAILS
30.	P0.0 PLUMBING SYMBOLS AND ABBREVIATIONS
31.	P1.0 FIRST FLOOR PLUMBING DEMO PLAN
32.	P2.0 FIRST FLOOR PLUMBING PLAN
33.	P4.0 PLUMBING SPECIFICATIONS

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10/30/17

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NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS

**TITLE SHEET**

DRAWING NUMBER  
**G1.0**  
 OF 33

DATE: 10/30/17  
 COMM. NO.: 1609



**LIFE SAFETY CODE ANALYSIS**

Project Location: 200 E. Kleberg, Kingsville, Texas  
Code Study by: Jay Porterfield

This code study is based on the 2015 International Building Code by ICC using Plan Analyst. www.plananalyst.com

**BASIC BUILDING DESCRIPTION:**

Type of Construction = IB  
Occupancy Type: B - Business  
Building does NOT have an automatic sprinkler system  
Interior renovation of first floor only

**BUILDING INTERIOR:  
ALLOWABLE AREA AND HEIGHT:**

Table with 7 columns: FL, NAME, OCC, MAX FLR AREA, ALLOWED RATIO, STATUS. Lists areas like Offices, Lobby, Restrooms, etc.

**Notes:**

Allowable height and area not checked for interior renovation.

**EXIT REQUIREMENTS:**

Table with 9 columns: FL, NAME OF AREA, OCC, NUMB OF OCC, MIN EXIT WIDTH, MIN PANIC HWDR, CORRIDOR DOOR SWNG, MAX FIRE RATING, TRVL DIST, MAX NO. OF PEOPLE. Lists exit details for various rooms.

NOTE: Areas with (A) before the number of occupants is being treated an accessory use area. This area is only used persons who occupy the main areas of the building.

**FOOTNOTES:**

- 1. Two exits are required from this area since the occupant load exceeds allowable in Table 1006.2.1
- 5. Number of exits from this floor is based on Section 1006.3.2

**NOTES FOR EXIT TABLE:**

Door swing is based on Section 1010.1.2  
Occupant load is based on Section 1004 and Table 1004.1.2  
Exit width is in inches and based on Sections 1005.3.1 and 1005.3.2  
For the minimum width of stairways, see Section 1011.2  
Exits shall be continuous from the point of entry into the exit to the exit discharge. (1003.6)

**MEANS OF EGRESS ILLUMINATION:**

- 1. The means of egress, including the exit discharge, shall be illuminated at all times the building space served by the means of egress is occupied. (1006.1)
- 2. The means of egress illumination shall not be less than 1 foot-candle at the walking surface level. (1006.2)

**BOLT LOCKS:**

Manually operated flush bolts and surface bolts are not permitted. (1010.1.9.4)  
Exception 3: Where a pair of doors serves an occupant load of less than 50, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf. The inactive leaf shall contain no doorknobs, panic bars or similar operating hardware.  
Exception 2: Where a pair of doors serves a storage or equipment room, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf.  
The unlatching of any door or leaf shall not require more than one operation. (1010.1.9.5)  
Exception 2: Where manually operated bolt locks are permitted.  
Exception 3: Doors with automatic flush bolts as permitted.

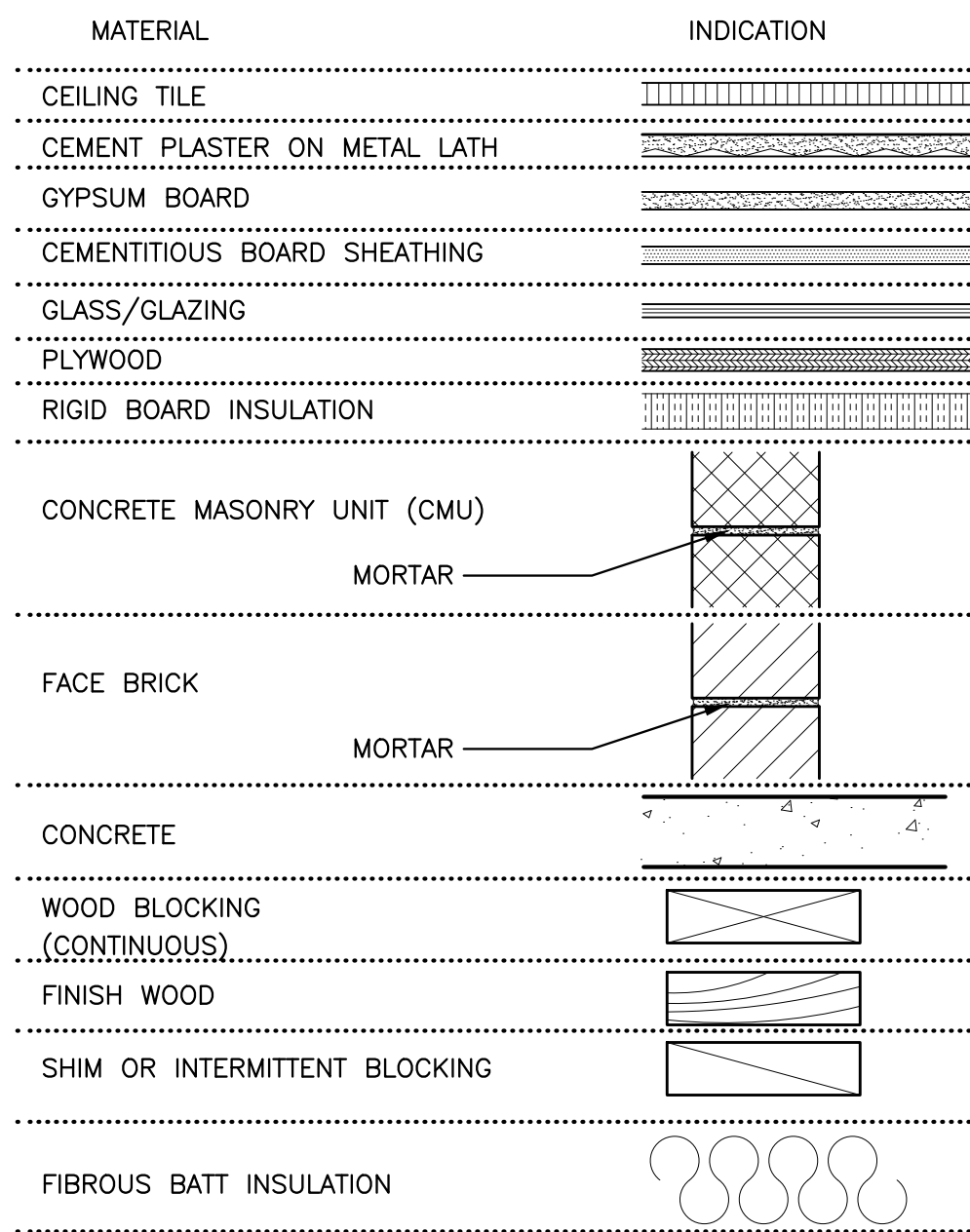
**STAIRWAY REQUIREMENTS:**

- 1. The minimum width of a stairway is 44 inches. (1011.2)  
Exception 1: If the occupant load is less than 50, the minimum width is 36 inches.  
Check floor exit requirements above to see if minimum width is greater than 44 inches.
- When stairways are part of an accessible means of egress, the stairway shall have a clear width of 48 inches. (1009.3)
- 2. The riser heights shall not be less than 4 inches or greater than 7 inches. The minimum tread depth is 11 inches. (1011.5.2)  
The maximum variation is 3/8 inch between the largest and the smallest in a stairway flight. (1011.5.4)  
Risers shall be solid. (1011.5.5.3)
- 3. Provide a handrail on each side of stairways. (1011.11)
- 4. Handrail height, measured above stair tread nosing, shall be not less than 34 inches and not more than 38 inches. (1014.2)  
Type I: Handrails with a circular cross section shall have an outside diameter of at least 1.25 inches and not greater than 2 inches or shall provide equivalent graspability. If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches and not greater than 6.25 inches with a maximum cross-section dimension of 2.25 inches. (1014.3.1)  
Type II: See Section 1014.3.2 for larger handrails. Handrail-gripping surfaces shall be continuous without interruption by newel post or other obstructions. (1014.4)  
Handrails shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight. (1014.6)

**STAIRWAY ENCLOSURES:**

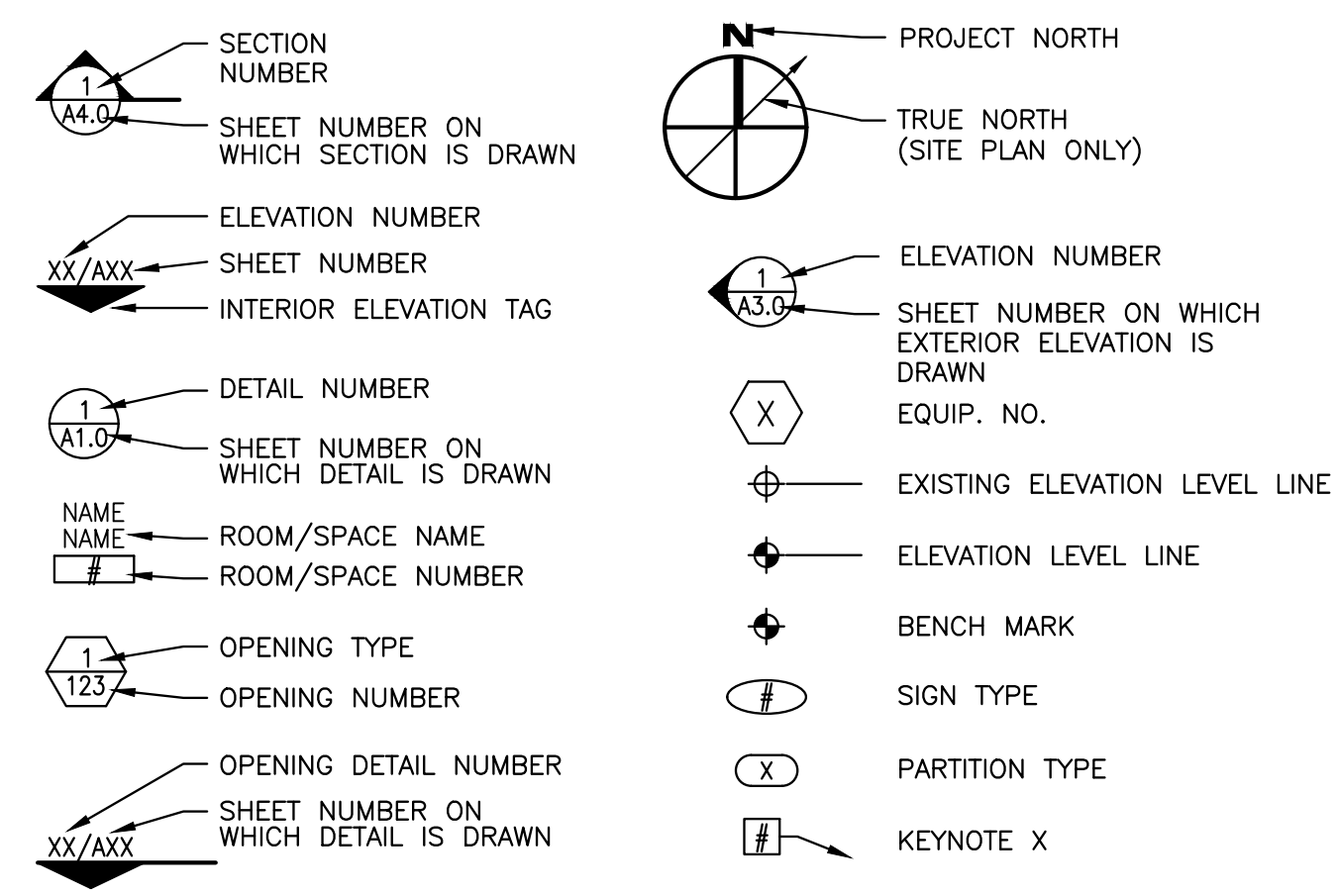
Stairways serving only 2 stories are not required to be enclosed. (1019.3, Exception 1)  
The openings into the exit enclosure are required to be 1 hour fire assemblies. (Table 716.5.2)  
Openings into enclosure are limited to those necessary for exit access to the enclosure from normally occupied spaces and for egress from the enclosure. (1023.4) Doors shall be self-closing or automatic closing. (716.5.9)  
3. Exit enclosure must discharge directly to the exterior of the building. (1023.3 & 1028.1)  
Exception: An exit enclosure shall be permitted to terminate at an exit passageway that terminates at an exit discharge or public way. (1023.3 Exception)  
The combined use of Exceptions 1 and 2 shall not exceed 50 percent of the number and capacity of the required exits. (1028.1)  
Exception 1: A maximum of 50 percent of the number and capacity may exit through areas on the level of discharge provided all of the following are met: (1028.1.1)  
1.1 There is a free and unobstructed way to the exterior that is readily visible and identifiable from the exit enclosure.  
1.3 The egress path from the enclosure and all portions of the level of discharge with access to the egress path are protected with an automatic sprinkler system or separated from the egress path as required for an exit enclosure.  
1.4 Where a required interior exit stairway and an exit access stairway serve the same floor level and terminate at the same level of exit discharge, the termination of the exit access stairway and the exit discharge door shall be separated by a distance of not less than 30 feet or not less than 1/4 of the length of the maximum diagonal of the building, whichever is less.  
Exception 2: A maximum of 50 percent of the number and minimum width or required capacity may exit through a vestibule provided all of the following are met: (1028.1)  
2.2 The depth from the exterior of the building is not greater than 10 feet and the length is not greater than 30 feet.  
2.3 The vestibule is separated from the remainder of the level of exit discharge using a 1 hour fire partition constructed per Section 708.  
2.4 The vestibule is used only for means of egress and exits directly to the outside.  
4. An exit enclosure shall not be used for any purpose other than means of egress. (1023.1)  
Note: Where interior exit enclosures are extended to the exterior of the building by an exit passageway way, fire-resistance of the exit passageway shall be the same as the enclosure. (1023.3.1)  
1. Stairways are required to be enclosed with 1 hour fire barriers. (1023.2)

**ARCHITECTURAL MATERIALS LEGEND**



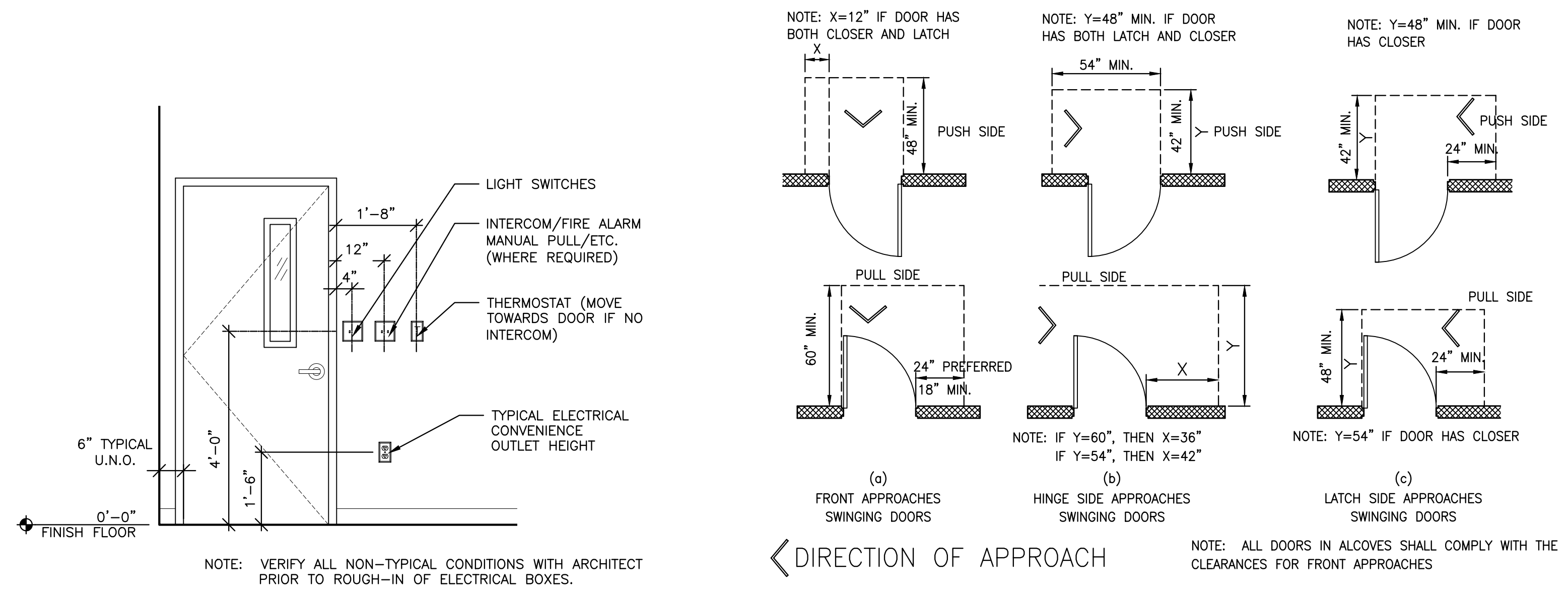
NOTE: WHERE A MATERIAL IS PARTIALLY INDICATED ON A DETAIL, IT SHALL CONTINUE UNTIL ANOTHER MATERIAL IS INDICATED OR THAT MATERIAL IS DEFINITELY TERMINATED.

**SYMBOL LEGEND**



**ARCHITECTURAL ABBREVIATION LEGEND**

Table listing architectural abbreviations such as A.D.A., A.C.O.U.S., A/C, AD, ADJ., A.F.F., AL, APPROX., ARCH., ASPH., BD., BLDG., B.M., BOC, BOT., C&G, C.J., C.L.G., C.M.U., CONC., CONT., C.T., CONN., DET., DEV., D., DEPTH, ELEV., E., EA., E.A., E.F., E.J., F.L., EL., ELEC., EQ., EQUL, E.W.C., EXIST., ETC., F.F., F.E.C., FIN., F.L., FLOW LINE, GA., GALV., GYP., GYP. BD., HOLLOW METAL, H.V.A.C., H.M., H.V.A.C. LENGTH, L.F., L.F., L.F., MAX., MECH., M.E.P., MIN., MPH, NFPA, N.I.C., etc.



2 G1.1 MEP DEVICE LOCATION SCALE: NONE

1 G1.1 TYPICAL A.D.A. DOOR CLEARANCES SCALE: NONE

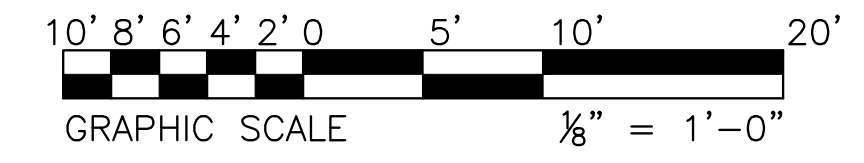
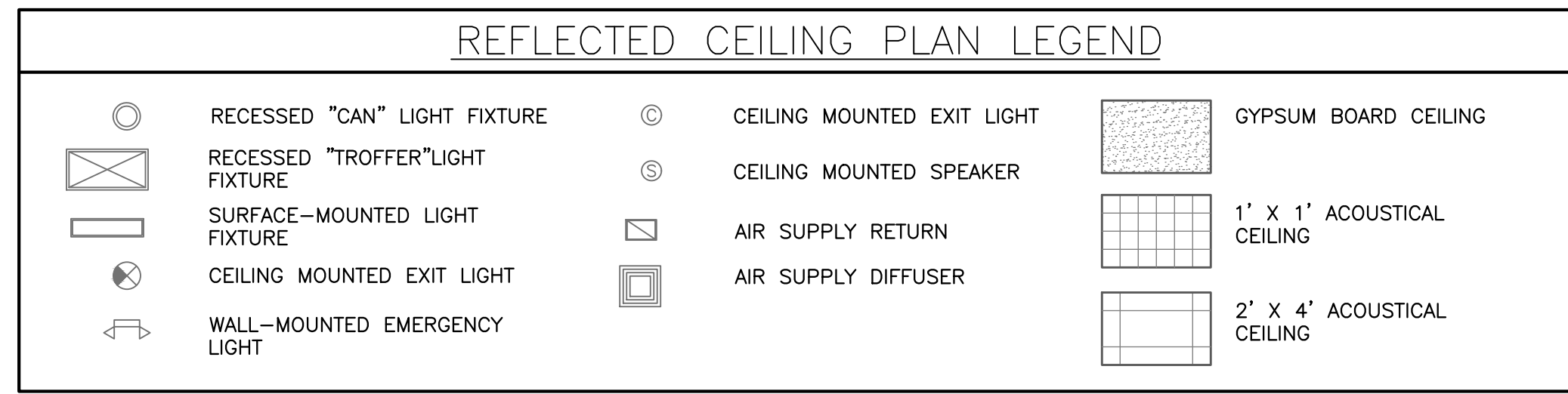
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Table with 2 columns: NO., DATE, DESCRIPTION.

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
GENERAL INFORMATION

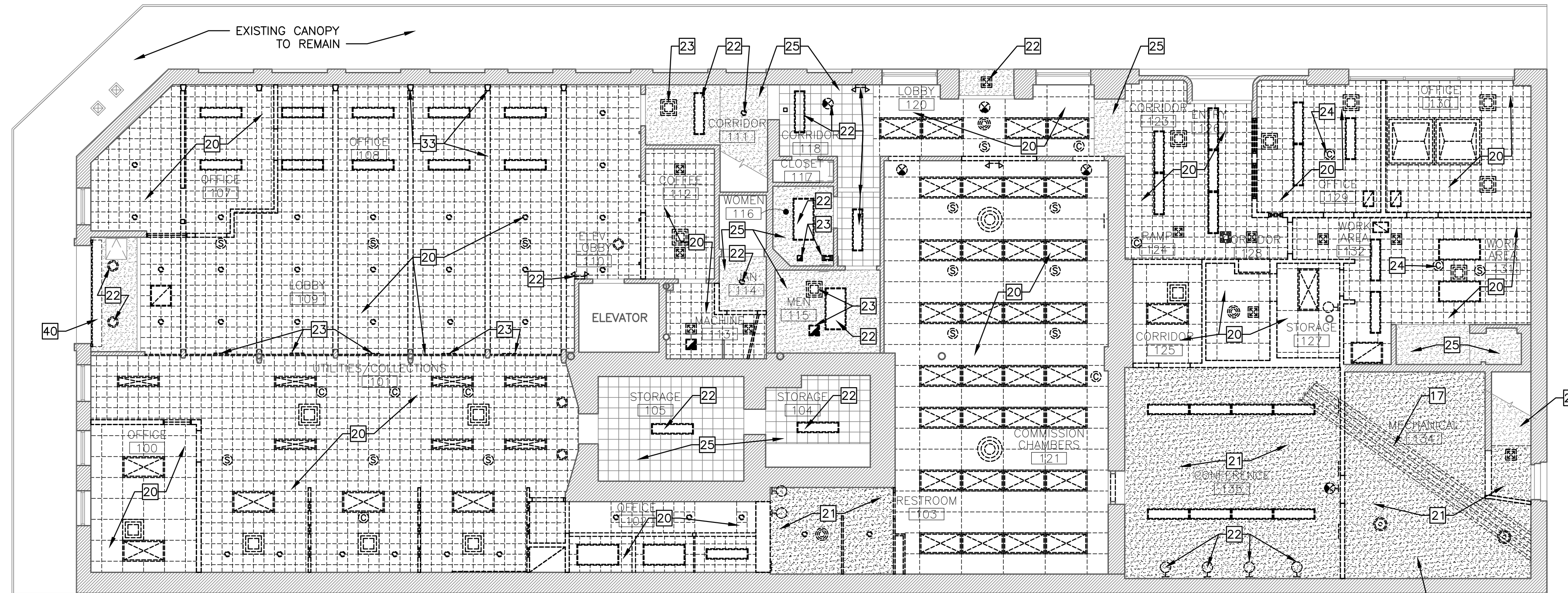
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OF 33  
DATE: 10/30/17  
COMM. NO.: 1609



#### DEMOLITION GENERAL NOTES

EXISTING BUILDING INFORMATION INDICATED IS TAKEN FROM RECORD DOCUMENTS. IT IS CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ACTUAL CONDITIONS PRIOR TO SUBMITTING BIDS

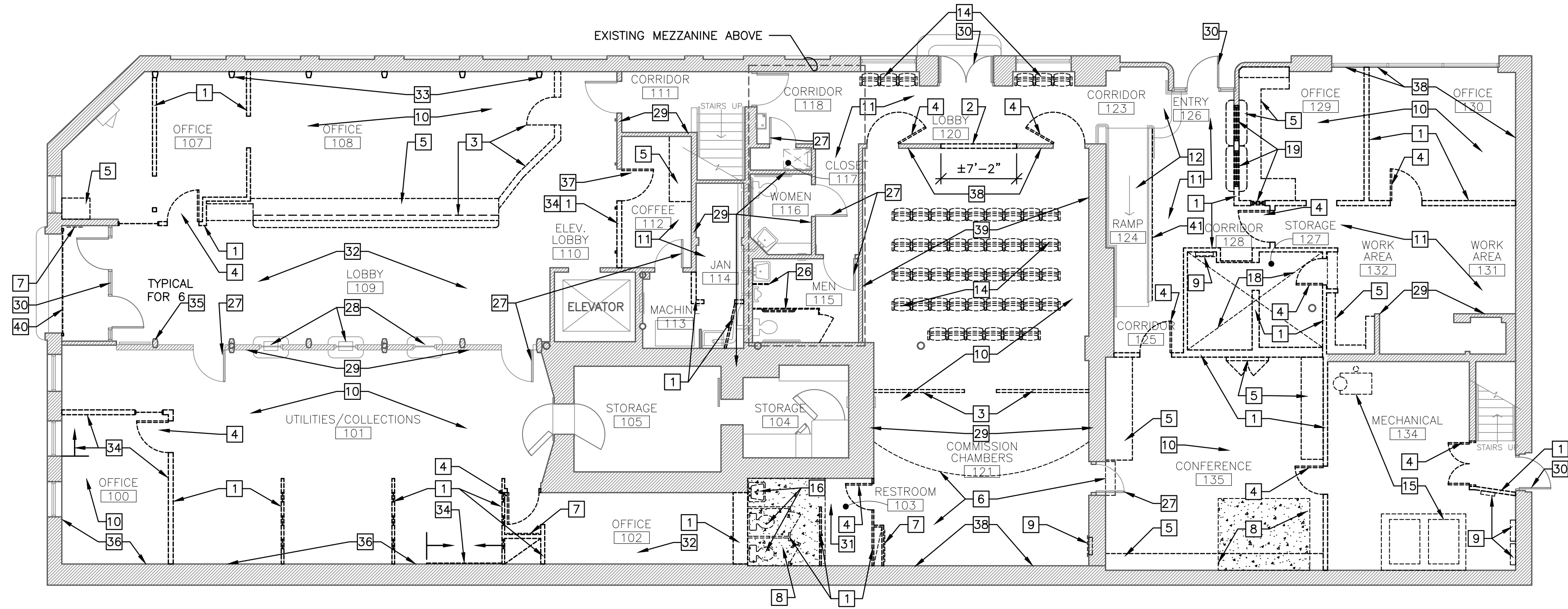
- A. CONTRACTOR SHALL VERIFY DIMENSIONS, QUANTITIES AND MATERIALS PRIOR TO BEGINNING ANY DEMOLITION WORK. DEMOLITION SHALL BE COMPLETE AND TO THE EXTENT NECESSARY TO ACCOMPLISH SCHEDULED NEW WORK.
- B. REMOVE ALL CONSTRUCTION AND DEMOLITION DEBRIS FROM THE JOB SITE IMMEDIATELY AND MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES.
- C. MAINTAIN SECURITY AND ENVIRONMENTAL CONTROL OF THE BUILDING AND DO NOT IMPEDE SAFETY EGRESS.
- D. SECOND FLOOR FACILITY SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. PHASE AND COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO PREVENT DISRUPTION OF DAILY FACILITY OPERATIONS.
- E. PROTECT FROM DAMAGE ALL EXISTING CONSTRUCTION TO REMAIN.
- F. WHERE PORTION OF EXISTING IS DEMOLISHED ADJACENT TO FINISHED MATERIAL TO REMAIN, CREATE CLEAN BREAKS IN WORK BY LEAST DESTRUCTIVE FORCE REQUIRED.
- G. ENSURE ADEQUATE STRUCTURAL SUPPORT OF CONSTRUCTION TO REMAIN DURING AND AFTER DEMOLITION AND NEW WORK ACTIVITIES.
- H. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO DEMOLITION AND NEW WORK.
- I. POTENTIALLY HAZARDOUS MATERIALS ABATEMENT IS INCLUDED IN THE SCOPE OF THIS CONTRACT.
- J. IT IS CRITICAL THAT COMPUTER SERVER AND TELEPHONE EQUIPMENT ON THE SECOND FLOOR REMAIN IN SERVICE DURING AND AFTER DEMOLITION AND NEW WORK ACTIVITIES.



#### KEYED NOTES: (THIS SHEET ONLY)

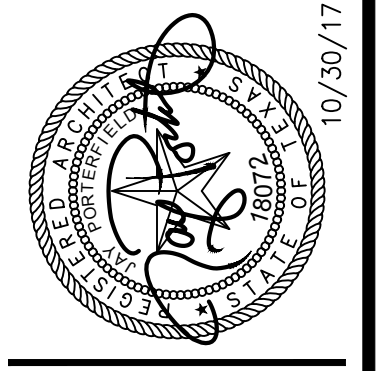
1. DEMOLISH INTERIOR PARTITION FULL HEIGHT TO EXTENT INDICATED.
2. DEMOLISH PORTION OF PARTITION INDICATED UP TO 9'-0" A.F.F. PROVIDE NEW SUPPORT HEADER FRAMING - REFER TO NEW WORK.
3. DEMOLISH MILLWORK LOW PARTITION.
4. DEMOLISH DOOR/FRAME.
5. DEMOLISH MILLWORK COMPLETE.
6. DEMOLISH WOOD-FRAMED PLATFORM COMPLETE.
7. DEMOLISH WALL-MOUNTED LOUVER GRILLE.
8. AREA OF NEW PLUMBING - SAW CUT AND REMOVE CONCRETE SLAB - CUT REINFORCING IN MIDDLE AND BEND OUT OF THE WAY - AFTER NEW PLUMBING WORK, BEND REINFORCING BACK AND SPLICE WITH NEW REINFORCING - REFER TO NEW WORK.
9. DEMOLISH ELECTRIC DISTRIBUTION PANEL AND BREAKERS. PREPARE FOR NEW CIRCUIT BREAKERS AND PANEL - REFER TO ELECTRICAL.
10. DEMOLISH CARPET, VCT UNDER, GLUE, AND WALL BASE THIS AREA. PREPARE FOR NEW FLOOR FINISH.
11. DEMOLISH VINYL TILE THIS AREA. PREPARE FOR NEW FLOOR FINISH.
12. DEMOLISH RUBBER FLOORING ON RAMP AND STEPS, INCLUDING METAL NOSINGS.
13. WOOD HANDRAILS AND HANDRAIL WALL SUPPORTS TO REMAIN.
14. DEMOLISH FLOOR-MOUNTED SEATING COMPLETE.
15. DEMOLISH MECHANICAL EQUIPMENT - REFER TO MECHANICAL.
16. DEMOLISH PLUMBING FIXTURE - PREPARE WASTE AND SUPPLY PIPING FOR NEW WORK - REFER TO PLUMBING.
17. DEMOLISH OVERHEAD PNEUMATIC TUBE SYSTEM PIPING (FORMER MOTOR BANK TUBE SYSTEM). LEAN-TO SHED ENCLOSURE ON NORTH EXTERIOR TO REMAIN.
18. DEMOLISH CERAMIC TILE AND WOOD FRAMED RAISED FLOOR THIS AREA.
19. SALVAGE BULLET-RESISTANT WINDOWS FOR RE-USE.
20. DEMOLISH SUSPENDED ACOUSTICAL CEILING, LIGHT FIXTURES, HVAC DEVICES, ETC.
21. DEMOLISH GYPSUM BOARD / PLASTER CEILING, LIGHT FIXTURES, HVAC DEVICES, ETC.
22. DEMOLISH LIGHT FIXTURE - REFER TO ELECTRICAL.
23. DEMOLISH HVAC DEVICE - REFER TO MECHANICAL.
24. CEILING-MOUNTED CAMERA - REMOVED BY OWNER - TYPICAL.
25. EXISTING CEILING FINISH TO REMAIN.
26. DEMOLISH TOILET PARTITION. SALVAGE GRAB BAR FOR RE-USE.
27. WOOD DOOR TO REMAIN.
28. BULLET RESISTANT WINDOW TO REMAIN.
29. PARTITION TO REMAIN - TYPICAL.
30. STOREFRONT DOOR SYSTEM TO REMAIN.
31. DEMOLISH CERAMIC TILE FLOOR FINISH.
32. TERRAZZO FLOOR TO REMAIN.
33. DEMOLISH WOOD FAUX COLUMN AND CEILING TRIM.
34. SALVAGE WOOD PANELING AND TRIM FOR RE-USE IN PATCHING THIS AREA - REFER TO NEW WORK.
35. EXISTING WOOD COLUMN TO REMAIN.
36. EXISTING WOOD PANELING TO REMAIN.
37. SALVAGE WOOD DOOR AND FRAME FOR RE-USE.
38. DEMOLISH TEMPERED HARDBOARD PANELING.
39. DEMOLISH WOOD CHAIR RAIL AND PAINTED VINYL WALL COVERING ABOVE.
40. DEMOLISH COILING GRILLE, INCLUDING TRACKS, COILING MECHANISM AND SOFFIT PLATE.
41. REMOVE ACOUSTIC WALL PANELS FROM RAMP - RAMP RAILING TO REMAIN.

**2** **FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN**  
SCALE: 1/8"=1'-0"



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

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488 HANCOCK CORREL PARTS, INC.  
CORPUS CHRISTI, TX 78401  
(937) 596-8977

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE**  
**MUNICIPAL BUILDING**  
**FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**FIRST FLOOR**  
**DEMOLITION FLOOR PLANS**

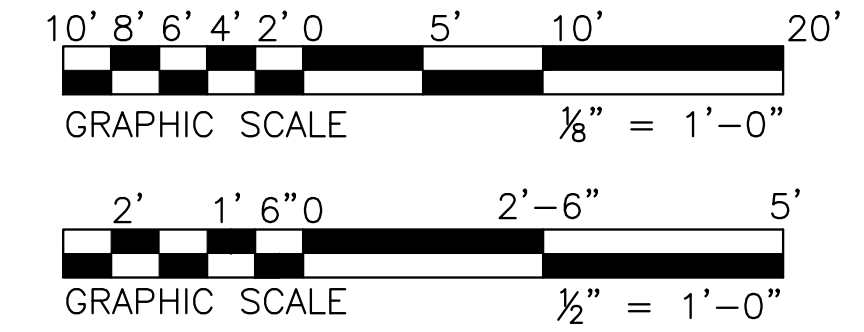
DRAWING NUMBER  
**D1.0**  
OF 33  
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TOILET ACCESSORIES SCHEDULE		
MARK	ITEM	MOUNTING
TA-1	MIRROR 24" X 36"	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
TA-2	36" GRAB BAR	35" A.F.F. TO $\bar{c}$
TA-3	42" GRAB BAR	35" A.F.F. TO $\bar{c}$
TA-4	TOILET TISSUE DISPENSER PROVIDED BY OWNER - INSTALLED BY CONTRACTOR	MOUNT 7" TO 9" FROM FRONT OF WATER CLOSET TO $\bar{c}$ OF DISPENSER COORDINATE HEIGHT LOCATION WITH GRAB BARS.
TA-5	TOWEL DISPENSER PROVIDED BY OWNER - INSTALLED BY CONTRACTOR	42" A.F.F. TO DISPENSING SLOT / OPERABLE HANDLE
TA-6	SOAP DISPENSER PROVIDED BY OWNER - INSTALLED BY CONTRACTOR	48" A.F.F. MAX. TO CONTROLS - COORDINATE PLACEMENT WITH OTHER FIXTURES
TA-7	SANITARY NAPKIN DISPOSAL	MOUNT AT 28" TO TOP

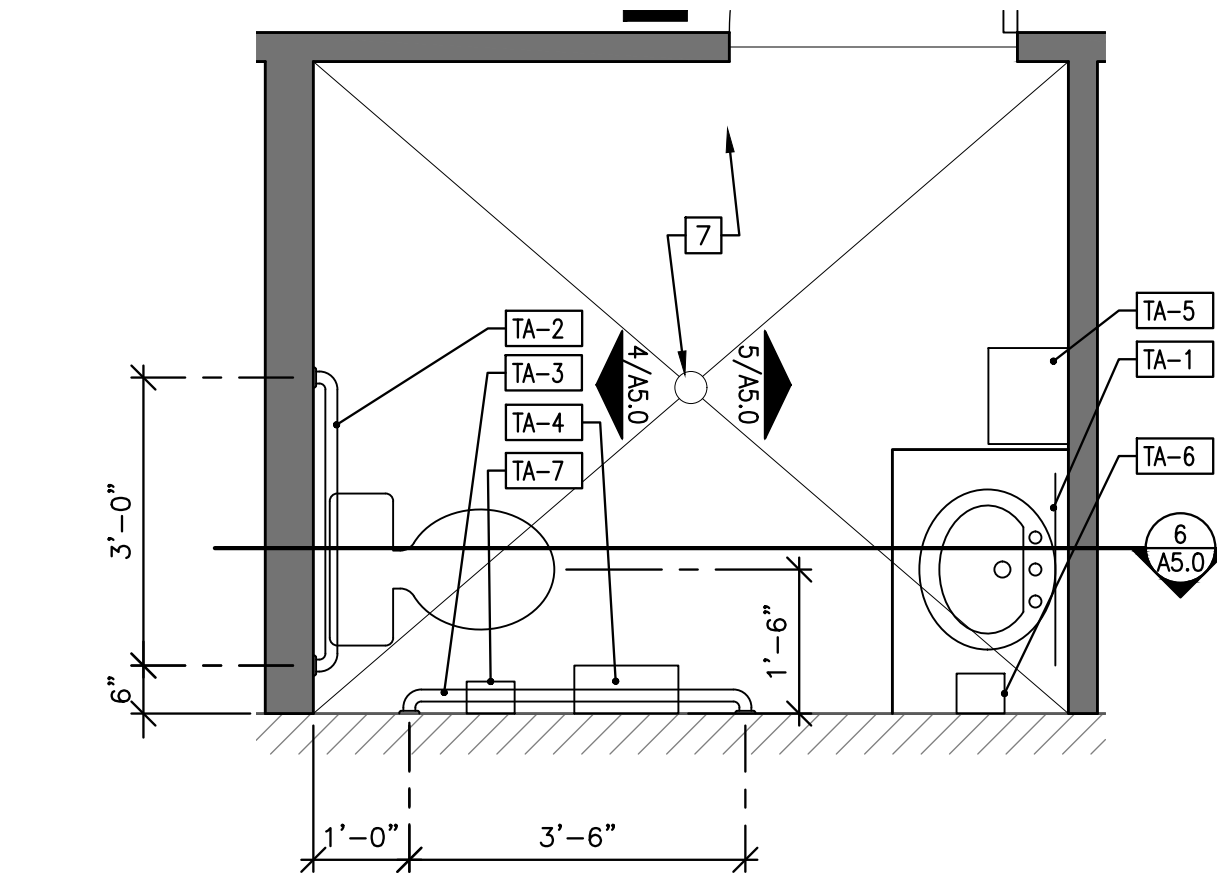
**GENERAL NOTES**

- A. REFER TO SHEET A2.1 FOR DOOR AND WINDOW TYPE ELEVATIONS.
- B. REFER TO SHEET G1.1 FOR TYPICAL MEP DEVICE PLACEMENT NEXT TO DOORS.
- C. REFER TO SHEET G1.1 FOR MINIMUM REQUIRED ACCESSIBLE CLEAR FLOOR SPACE AT DOORS.
- D. REFER TO SHEET G1.1 FOR SYMBOL LEGEND.
- E. REFER TO SHEET A2.0 FOR PARTITION TYPES:
- F. FURNITURE INDICATED BY SHADED/DASHED LINES IS FOR REFERENCE ONLY - NOT IN CONTRACT.
- G. ALL PIPE/CONDUIT PENETRATIONS THROUGH CONCRETE SLAB SHALL BE SLEEVED AND SEALED PRIOR TO CONSTRUCTING WALLS.
- H. ALL PLUMBING, HVAC, ELECTRICAL, ETC. PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED TIGHT TO MATCH EXISTING ADJACENT CONSTRUCTION.
- I. IN REMODEL/DEMOLITION AREAS WHERE NEW FINISHES ARE SCHEDULED OR INDICATED, ALL WALL/CEILING/FLOOR DEFECTS MUST BE PATCHED OR REPAIRED PRIOR TO APPLICATION OF NEW FINISHES. THIS INCLUDES EXISTING DEFECTS, EXISTING ANCHORS/FASTENERS/HOLES AND NEW DEFECTS CAUSED BY DEMOLITION OR RE-WORK, ETC.
- J. ABANDONED/DEMOLISHED M.E.P. DEVICE BOXES IN WALLS SHALL BE PATCHED AND BLENDED TO MATCH ADJACENT WALL SURFACE.
- K. DIMENSIONS ARE FROM STUD FACE/CMU FACE IN NEW WORK, FROM FINISH IN EXISTING CONSTRUCTION.
- L. WHERE NEW PARTITIONS JOIN/INTERSECT EXISTING, TAPE AND FLOAT JOINT/TRANSITION SMOOTH. WHERE PARTITIONS ARE INTENDED TO BE ALIGNED, ENSURE FINISHES ARE ALIGNED, TAPE AND FLOAT TRANSITION SMOOTH.

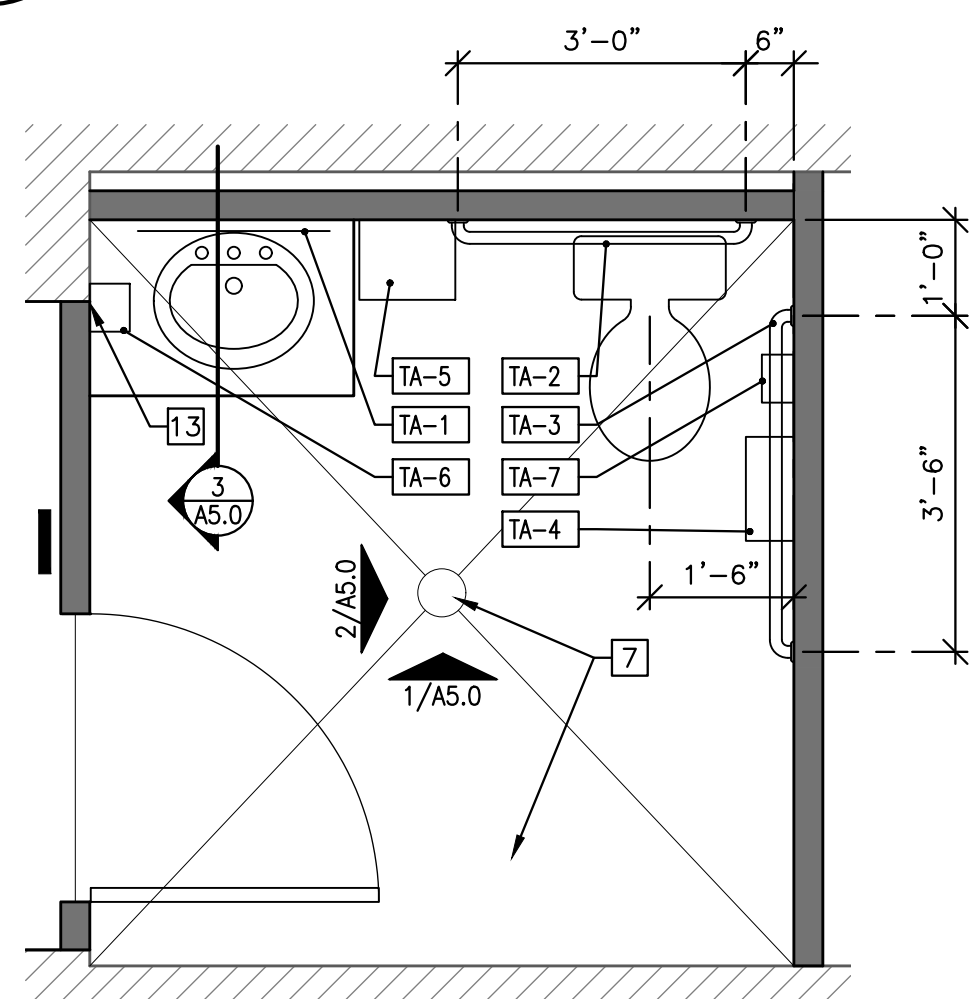


**KEYED NOTES**

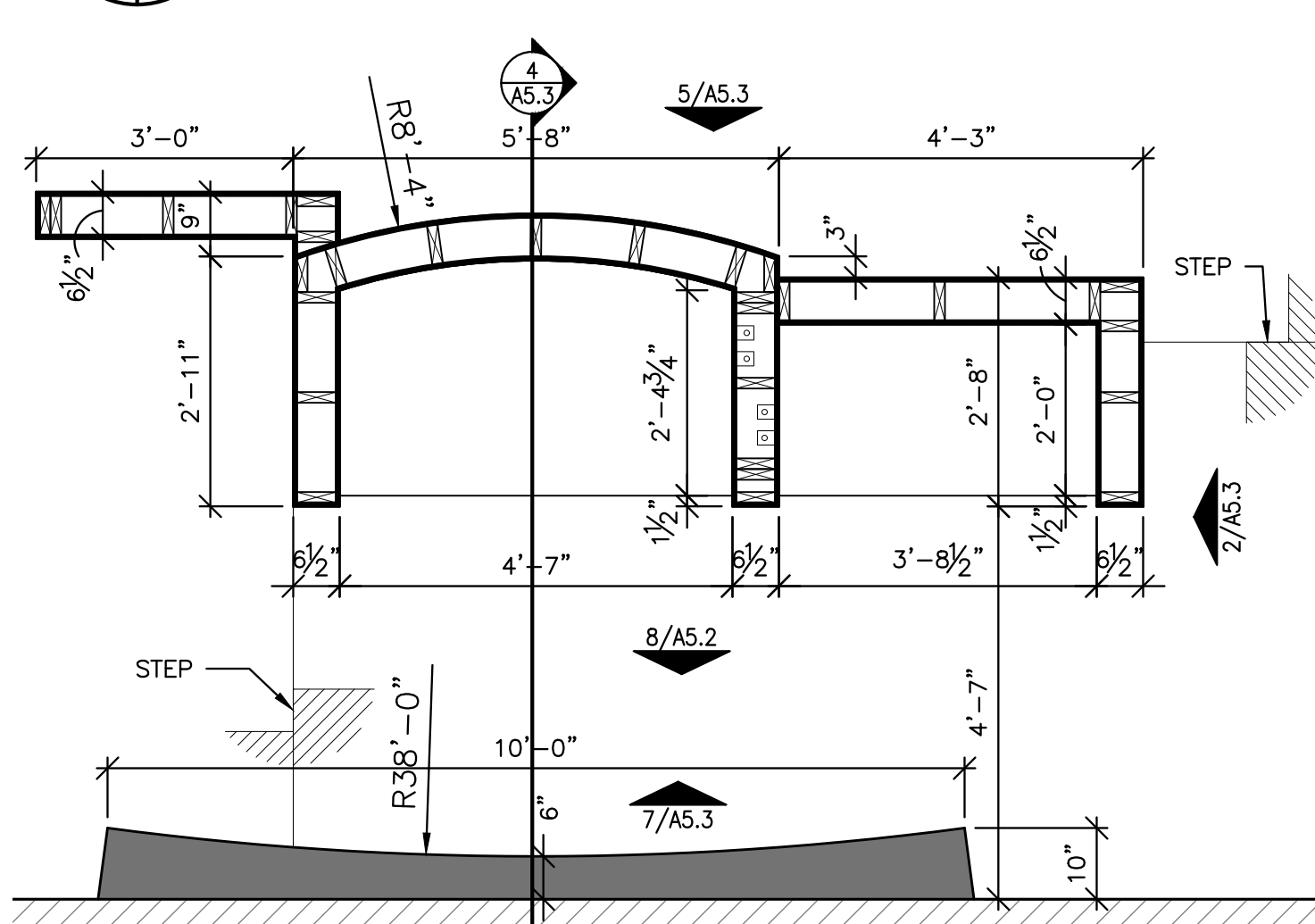
1. 5 POUND MULTIPURPOSE DRY CHEMICAL FIRE EXTINGUISHER IN SEMI-RECESSED WALL CABINET. MOUNT CABINET AT 48" A.F.F. TO TOP OF CABINET. FIELD VERIFY EXACT LOCATION.
2. 5 POUND MULTIPURPOSE DRY CHEMICAL FIRE EXTINGUISHER. WALL BRACKET MOUNT AT 48" A.F.F. TO TOP OF EXTINGUISHER. FIELD VERIFY EXACT LOCATION.
3. 5 POUND CARBON DIOXIDE FIRE EXTINGUISHER. WALL BRACKET MOUNT AT 48" A.F.F. TO TOP OF EXTINGUISHER. FIELD VERIFY EXACT LOCATION.
4. ROOM IDENTIFICATION SIGN LOCATION - REFER TO DOOR SCHEDULE FOR TEXT/SIGN TYPE.
5. LINE OF FLOOR MATERIAL TRANSITION (CENTER OF DOOR).
6. PREPARE AND PAINT EXISTING STEEL COLUMN.
7. REPAIR FLOOR SLAB REMOVED FOR PLUMBING WORK WITH 4,000 PSI (MINIMUM) CONCRETE. PROVIDE CONSISTENT FLOOR SLOPE DOWN 1/2" TO FLOOR DRAIN.
8. ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL.
9. WOOD-FRAMED LOW WALL - REFER TO INTERIOR ELEVATIONS.
10. DECORATIVE 6" X 14" VENTILATION GRATE (ONE HIGH AND ONE LOW). DECOR GRATES "CLASSIC COLLECTION" PAINTED TO MATCH WALL.
11. INSTALL SALVAGED GRAB BAR.
12. INFIL ±18"x16" OPENING THROUGH WALL. PROVIDE DRYWALL PATCH FLUSH WITH EXISTING ON INTERIOR WALL SURFACE, .072" MIN. ALUMINUM PLATE ON THE EXTERIOR, ATTACHED WITH STAINLESS STEEL TAMPER-RESISTANT CONCRETE SCREWS, SEAL TO WALL - PAINT FINISH.
13. ALIGN FINISH.
14. INSTALL SALVAGED WOOD PANELS THIS SIDE OF WALL - REFER TO 7/A5.1.
15. ENSURE CLEARANCE FOR DOOR SWING.
16. INFILL WITH STUDS AND 5/8" GYPSUM BOARD. FINISH FLUSH WITH ADJACENT FINISH - PAINT.
17. INFILL ON TOP OF EXISTING ±7"-8" TALL CMU WALL WITH DRYWALL PARTITION UP TO LOBBY CEILING. FILL CAVITY WITH ACOUSTICAL INSULATION.
18. PROVIDE 1 LAYER NEW 5/8" GYPSUM BOARD THIS SIDE OF WALL. FILL CAVITY WITH ACOUSTICAL INSULATION.
19. EXISTING STEP.
20. 2X6 PLATFORM FRAMING @ 16" O.C. WITH 3/4" PLYWOOD SUB FLOOR TOP.
21. 3" WIDE YELLOW PAINTED STRIPING IN 48" X 48" SQUARE ON FLOOR IN FRONT OF ELECTRICAL GEAR.
22. METAL DETECTOR BY OWNER.



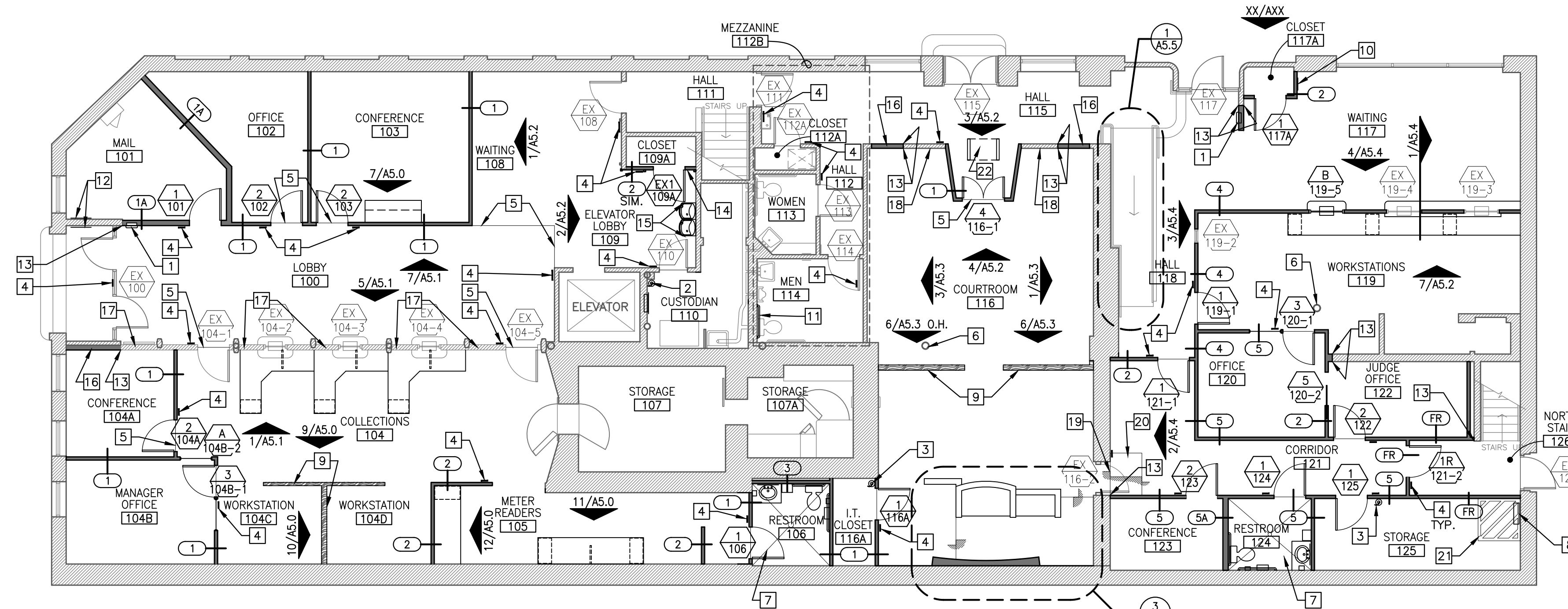
**5 RESTROOM 125 ENLARGED FLOOR PLAN**  
SCALE: 1/2"=1'-0"



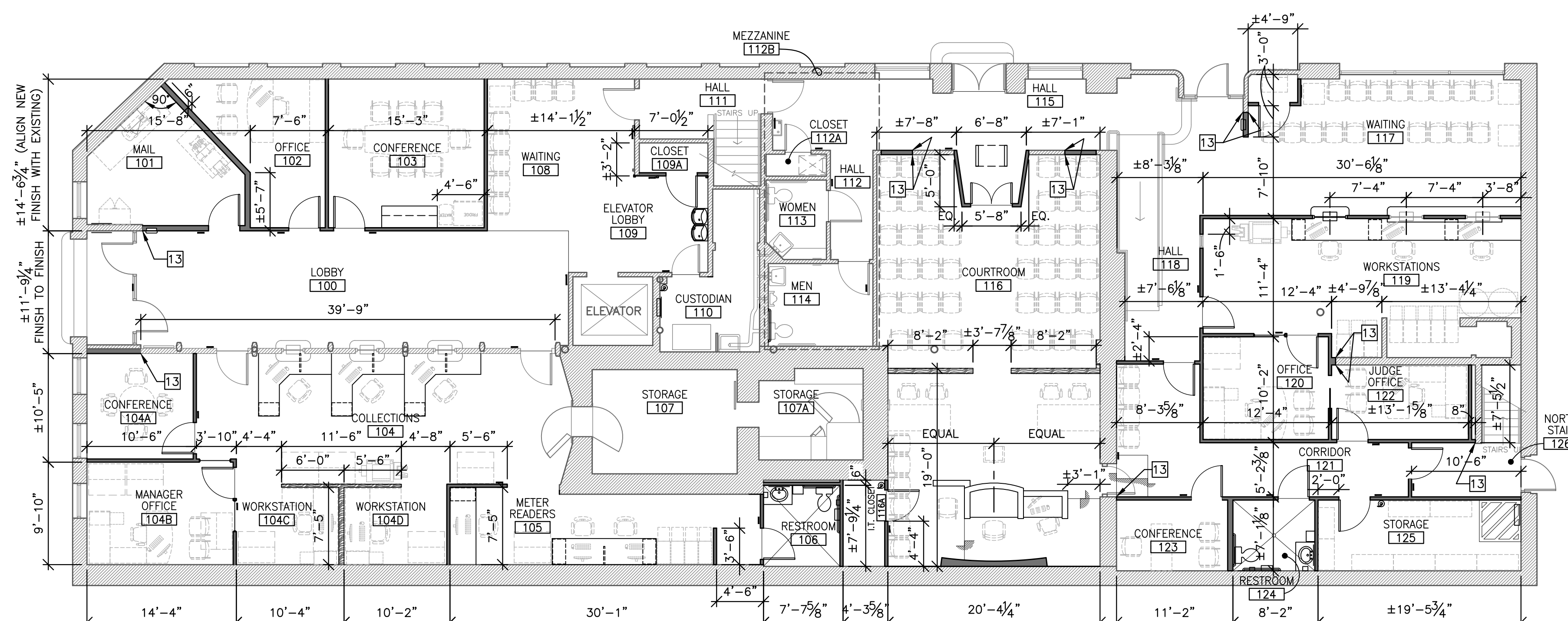
**4 RESTROOM 106 ENLARGED FLOOR PLAN**  
SCALE: 1/2"=1'-0"



**3 JUDGE'S BENCH ENLARGED FLOOR PLAN**  
SCALE: 1/2"=1'-0"



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



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

J:\1609\DWG\1609 A1.0 - FLOOR PLANS.DWG

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6262 Weber Road, Suite 310 Corpus Christi, Texas 78413-4031 www.smararchitects.com

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MECHANICAL / ELECTRICAL / PLUMBING: HIRSHMAN ENGINEERING CONSULTANTS, INC. (409) 948-8977

**REVISIONS**

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE MUNICIPAL BUILDING FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
FIRST FLOOR PLAN NEW WORK

DRAWING NUMBER **A1.0**  
OF 33  
DATE: 10/30/17  
COMM. NO.: 1609





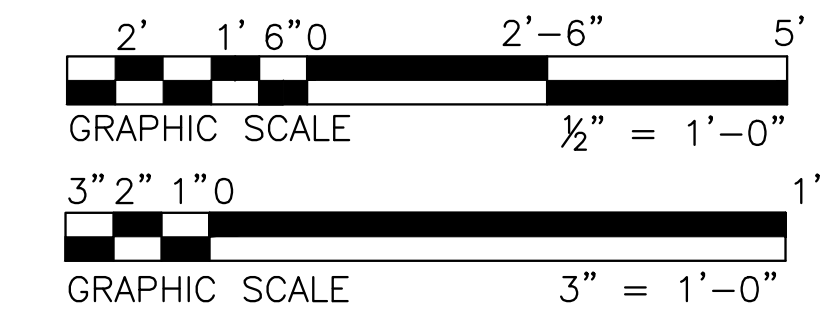
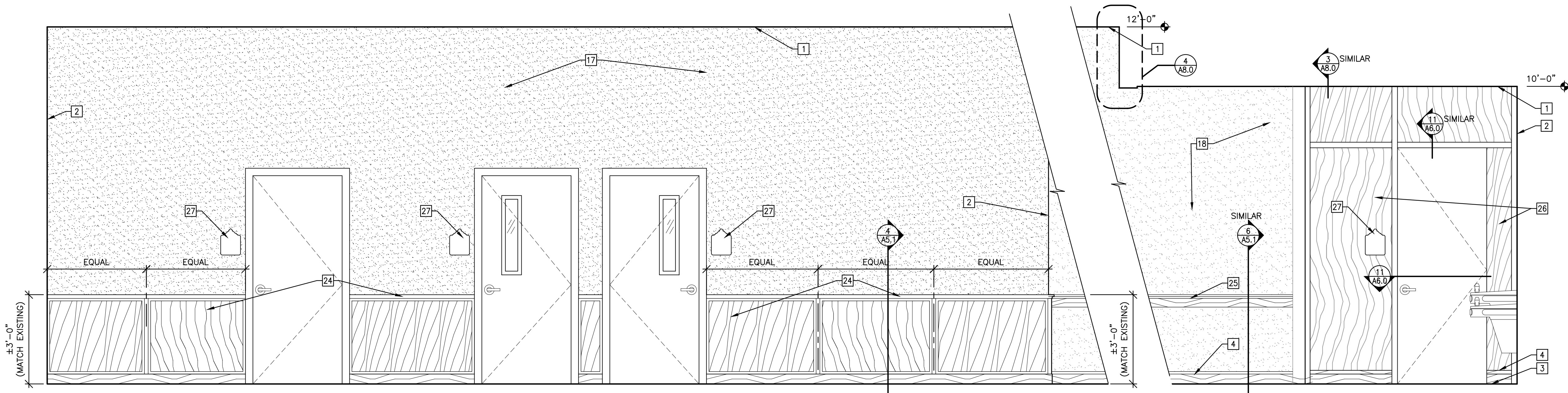












**GENERAL NOTES**

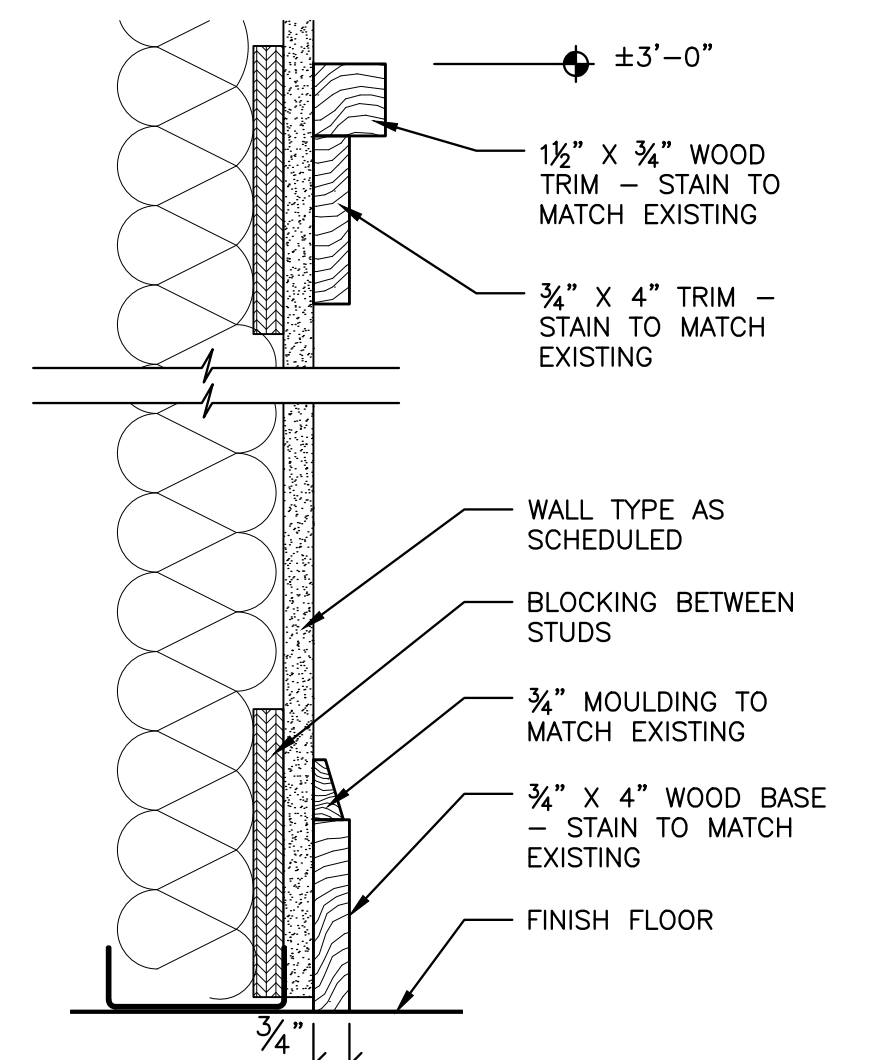
- A. REFER TO SHEET A2.1 FOR DOOR SCHEDULE AND DOOR ELEVATIONS.
- B. REFER TO DETAIL 3/A2.1 FOR ROOM SIGN PLACEMENT - TYPICAL UNLESS NOTED OTHERWISE.
- C. COORDINATE ALL WALL MOUNTED M.E.P. DEVICES WITH M.E.P. DRAWINGS AND DETAIL 2/G1.1
- D. PROVIDE FINISHED ENDS AT ALL EXPOSED TO VIEW LOCATIONS.
- E. WALL FINISHES SHALL BE CONTINUOUS BEHIND TOILET ACCESSORIES, PLUMBING FIXTURES, ETC.
- F. VERIFY EXACT ROUTING OF SURFACE-MOUNTED CONDUIT WITH ARCHITECT.
- G. FURNITURE/EQUIPMENT INDICATED WITH HIDDEN/SHADED LINES ARE FOR INFORMATION ONLY - NOT IN CONTRACT.

**KEYED NOTES:** [X]

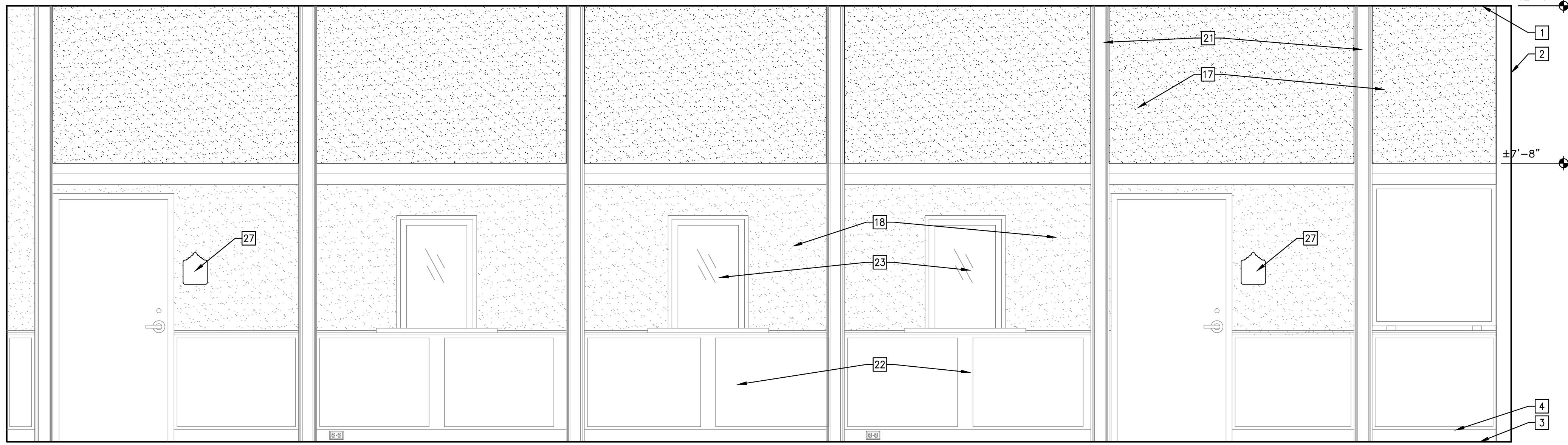
(SHEETS A5.1, A5.2 AND A5.3 ONLY)

1. FINISH CEILING LINE.
2. FINISH WALL LINE.
3. FINISH FLOOR LINE.
4. WALL BASE AS SCHEDULED.
5. REMOVABLE ACCESS PANEL ANCHORED TO SOLID WOOD BLOCKING - MATCH ADJACENT MATERIAL THICKNESS/FINISH.
6. STAINLESS STEEL SCREWS WITH STAINLESS STEEL CUP WASHERS.
7. PLASTIC LAMINATE CLAD CASEWORK, INCLUDING DOORS, DRAWERS, BOTTOMS AND ALL EXPOSED TO VIEW SURFACES.
8. DRAWER/DOOR PULL-TYPICAL.
9. ADJUSTABLE SHELF, 3/4" THICK.
10. TOEBOARD, RECESS 3" WITH 4" HIGH RESILIENT BASE. INSTALL 1/4" BACKUP BOARD BEHIND BASE AS NEEDED WHERE GAP BETWEEN BASE AND FLOOR EXCEEDS 1/4".
11. FINISHED END.
12. PLASTIC LAMINATE COUNTERTOP AND EDGES.
13. PROVIDE FINISHED TOPS ON UPPER CABINETS.
14. 3/4" THICK PLASTIC LAMINATE SUPPORT PANEL, TYPICAL.
15. STEEL SURFACE-MOUNTED WORK STATION BRACKET - A&M HARDWARE (www.aandmhardware.com) 21"x21" BLACK FINISH.
16. 2" PLASTIC WIRE MANAGEMENT GROMMET - FIELD VERIFY EXACT LOCATION.
17. NEW GYPSUM BOARD - PAINT.
18. EXISTING GYPSUM BOARD/PLASTER - PATCH DAMAGE AND PAINT.
19. ELECTRICAL/DATA DEVICE - REFER TO ELECTRICAL.
20. SURFACE MOUNTED "WIREMOLD" CONDUIT - VERIFY EXACT ROUTING WITH ARCHITECT. COLOR TO MATCH WALL.
21. EXISTING WOOD "COLUMN" TO REMAIN.
22. EXISTING WOOD PANELING TO REMAIN.
23. EXISTING BULLET-RESISTANT WINDOW AND LAMINATE SHELF TO REMAIN.
24. WOOD PANELING WITH BASE AND TOP CAP - STAIN TO MATCH EXISTING.
25. WOOD CHAIR RAIL - STAIN TO MATCH EXISTING.
26. SALVAGED WOOD PANELING AND TRIM.
27. ROOM IDENTIFICATION SIGN - REFER TO DOOR SCHEDULE.
28. 1/4" VENEER PLYWOOD - STAIN FINISH.
29. 1/2" VENEER PLYWOOD - STAIN FINISH
30. NOT USED.
31. 1/2" X 1 1/2" WOOD TRIM - STAIN FINISH.
32. 3/4" X 3" WOOD TRIM - STAIN FINISH.
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34. NEW BULLET-RESISTANT WINDOW IN NEW PARTITION.
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37. 3/4" PLYWOOD SUB FLOOR.
38. SHEET METAL ANGLE DESK TOP SUPPORT.
39. 2X WALL FRAMING - BRACE AS REQUIRED.
40. DRYWALL CEILING FRAMING - SUPPORT AND BRACE AS REQUIRED.
41. RESILIENT STAIR NOSING.
42. ALUMINUM REVEAL TRIM, PAINTED BLACK.
43. CITY SEAL PLAQUE BY OWNER.
44. SIMPSON TIE HIT4. EPOXY SET ANCHOR BOLT TO EXISTING CONCRETE SLAB.
45. 6" TALL ACRYLIC LETTERS - VERIFY EXACT TEXT.

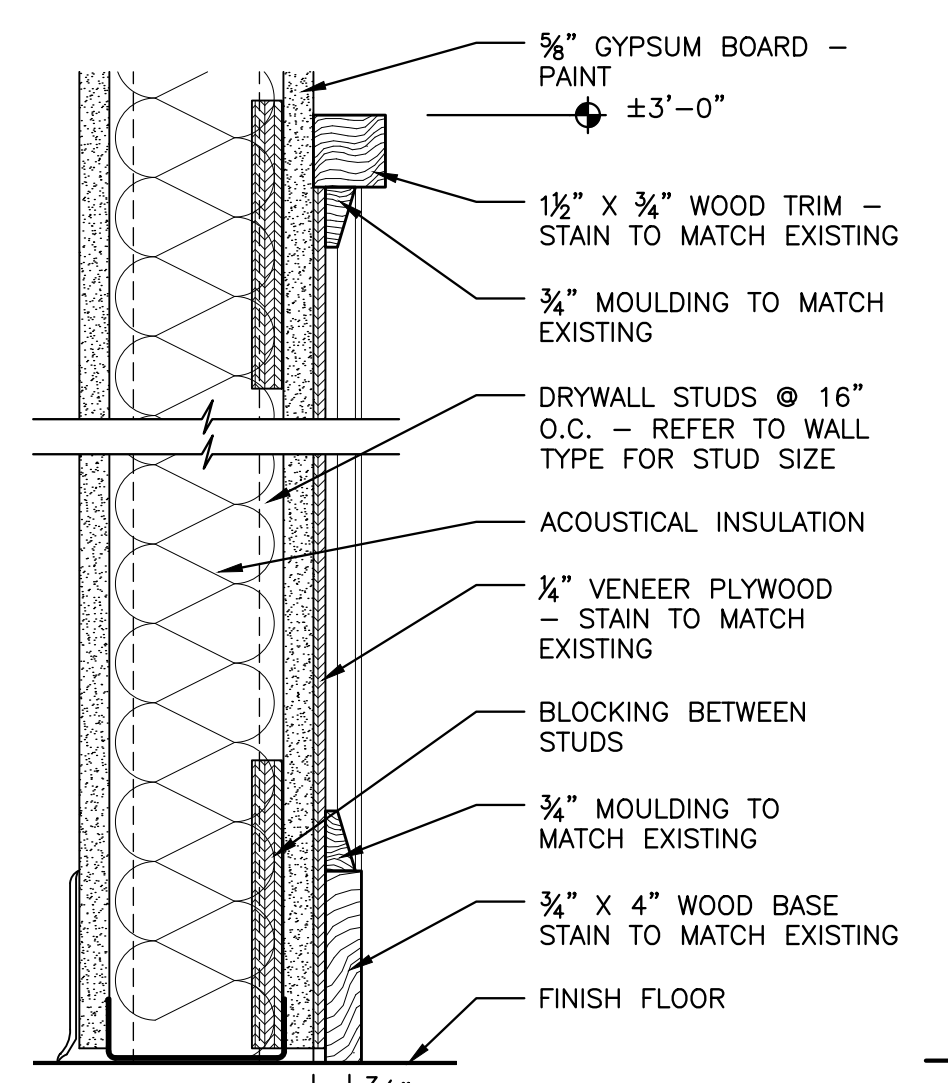
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A5.1  
**LOBBY 100  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



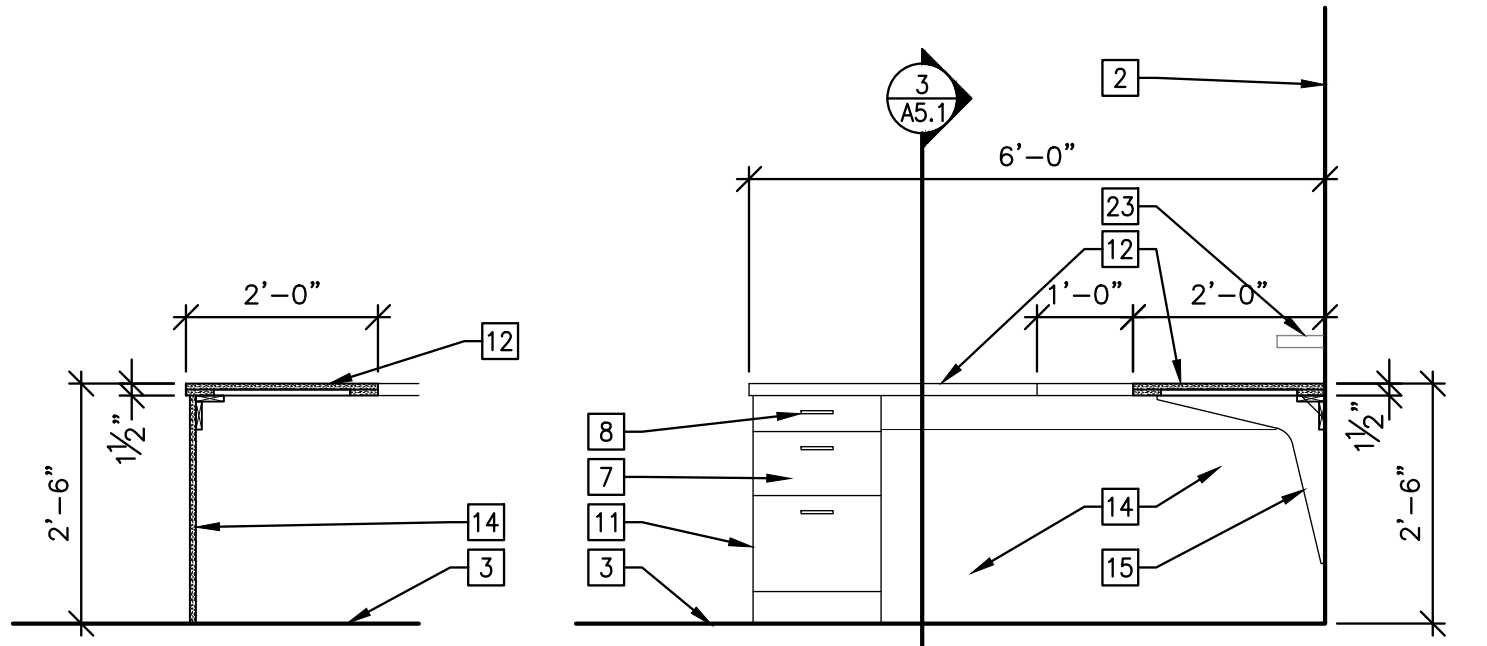
**6**  
A5.1  
**LOBBY 100  
CHAIR RAIL DETAIL**  
SCALE: 3"=1'-0"



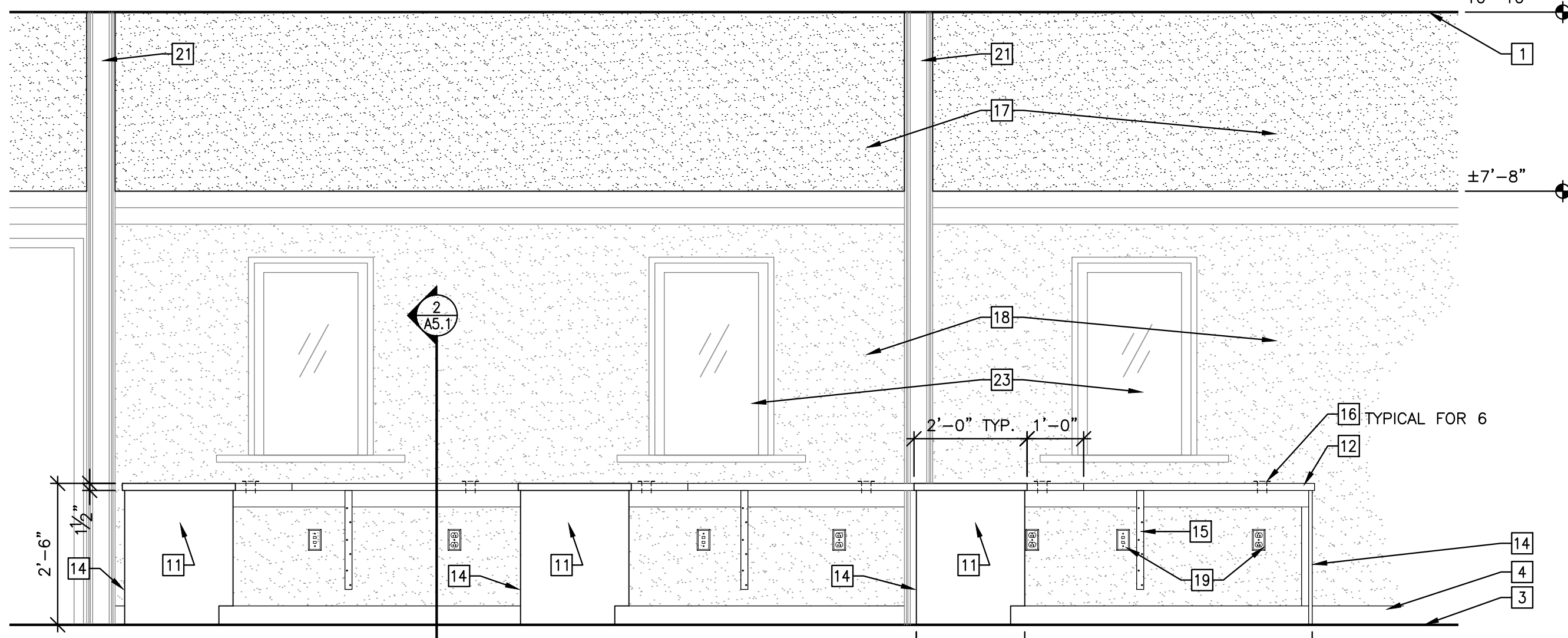
**5**  
A5.1  
**LOBBY 100  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



**4**  
A5.1  
**LOBBY 100  
PANELING DETAIL**  
SCALE: 3"=1'-0"

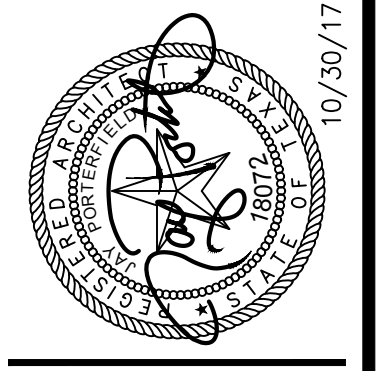


**3**  
A5.1  
**COLLECTIONS 104  
WORK COUNTER SECTION**  
SCALE: 1/2"=1'-0"



**1**  
A5.1  
**COLLECTIONS 104  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"

**2**  
A5.1  
**COLLECTIONS 104  
WORK COUNTER SECTION**  
SCALE: 1/2"=1'-0"



**CONSULTANTS**  
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1000 W. WALKER STREET  
CORPUS CHRISTI, TX 78401  
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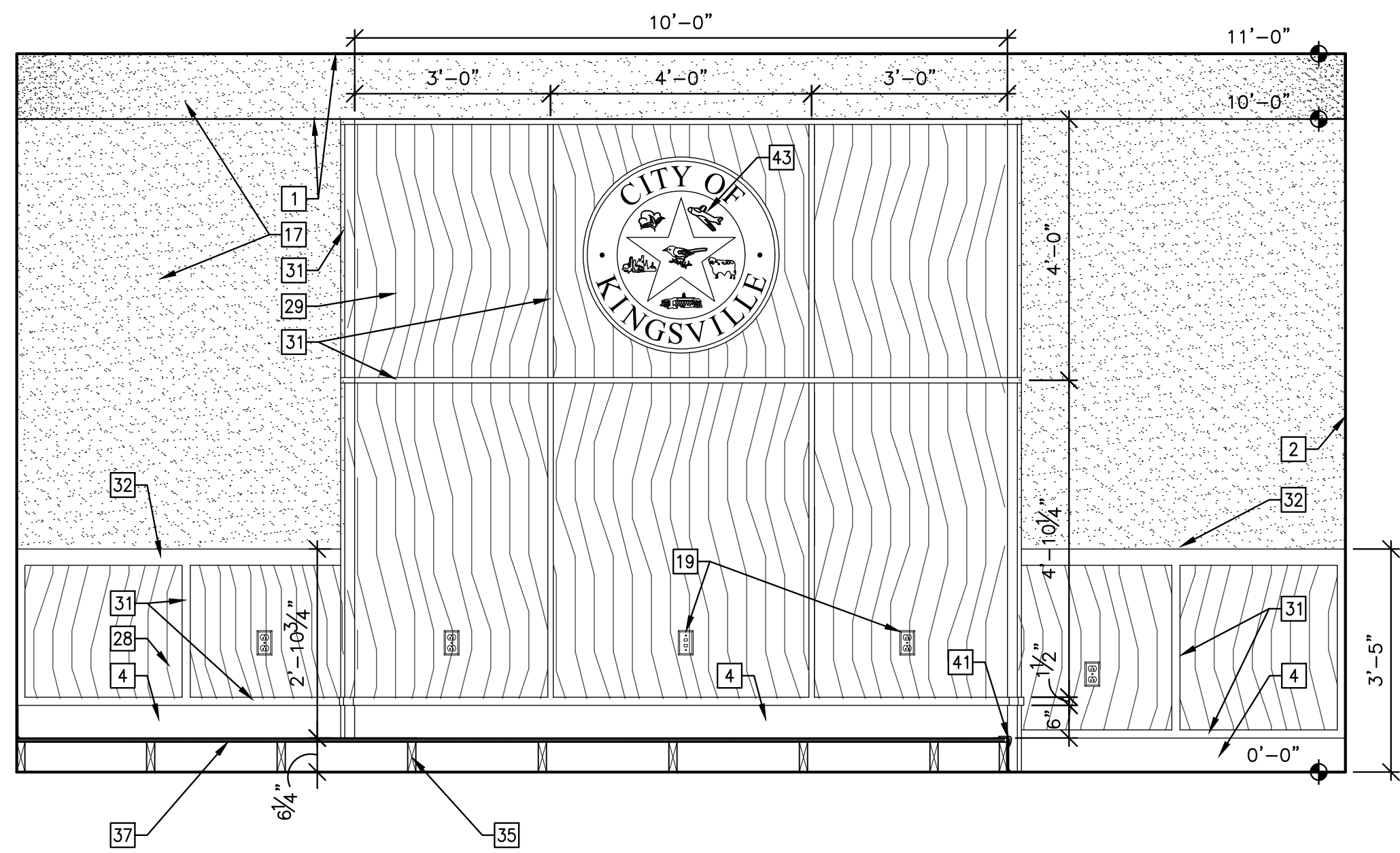
NO.	DATE	DESCRIPTION
1	4/12/17	ADDENDUM NO. 2

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**INTERIOR ELEVATIONS AND DETAILS**

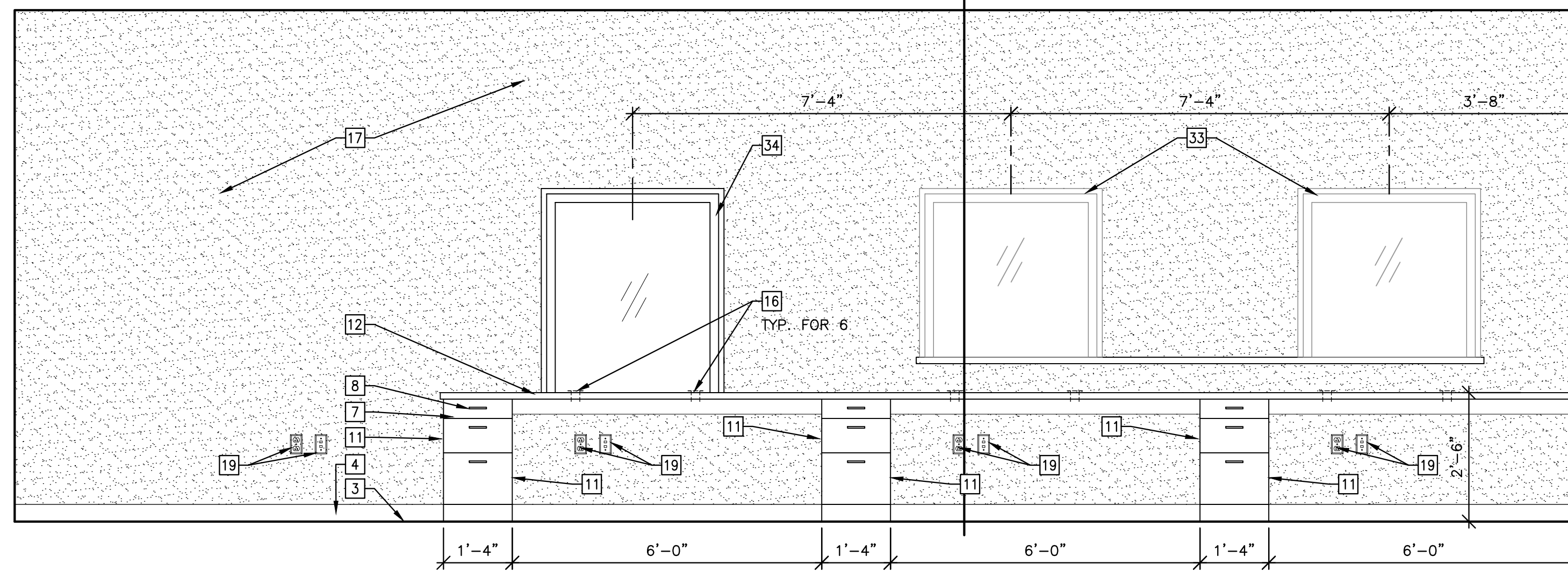
DRAWING NUMBER  
**A5.1**  
OF 33  
DATE: 10/30/17  
COMM. NO.: 1609

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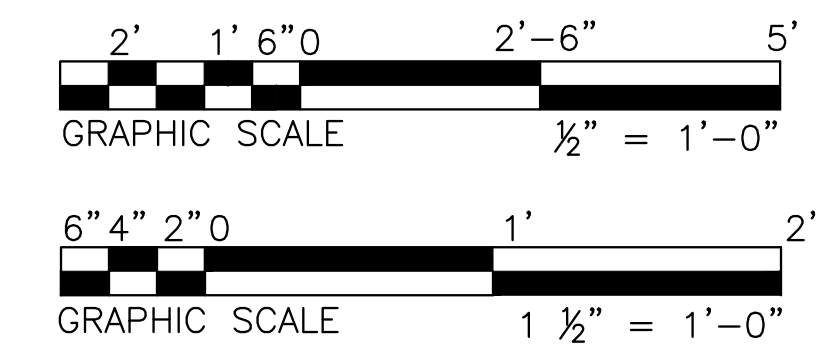




**8**  
A5.2  
**COURTROOM 116  
WOOD PANELING ACCENT WALL ELEVATION**  
SCALE: 1/2"=1'-0"



**7**  
A5.2  
**WORKSTATIONS 119  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"

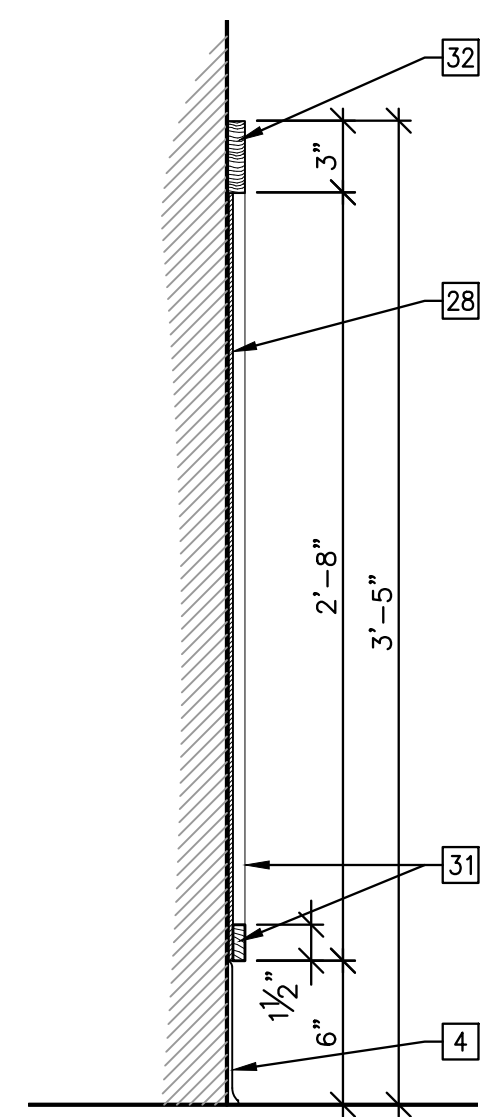


**GENERAL NOTES**

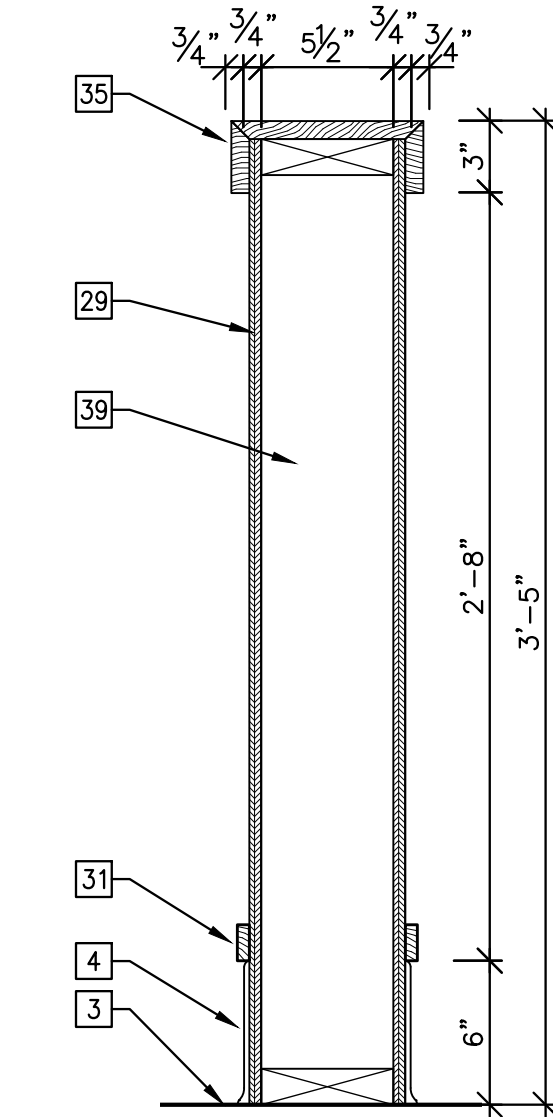
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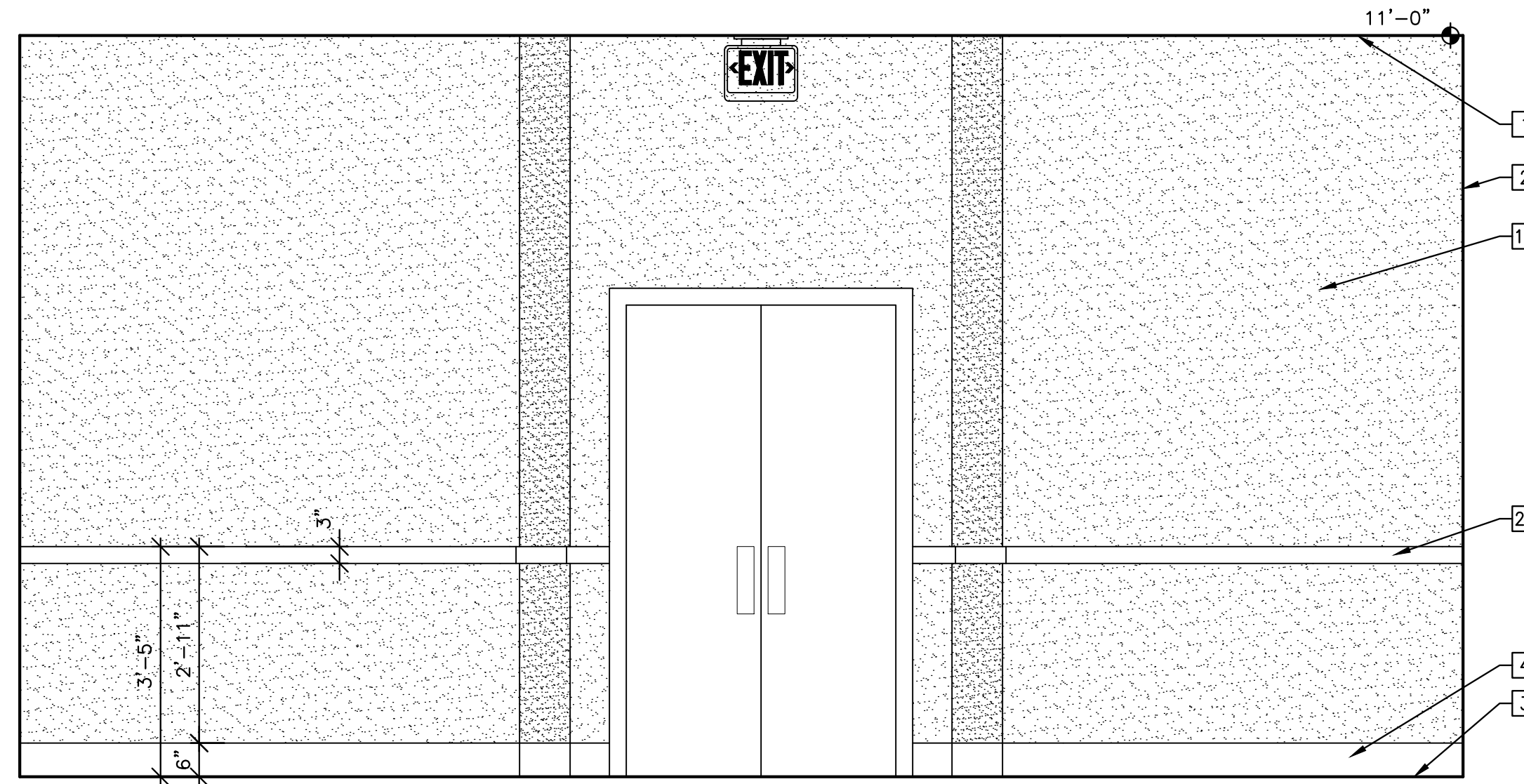
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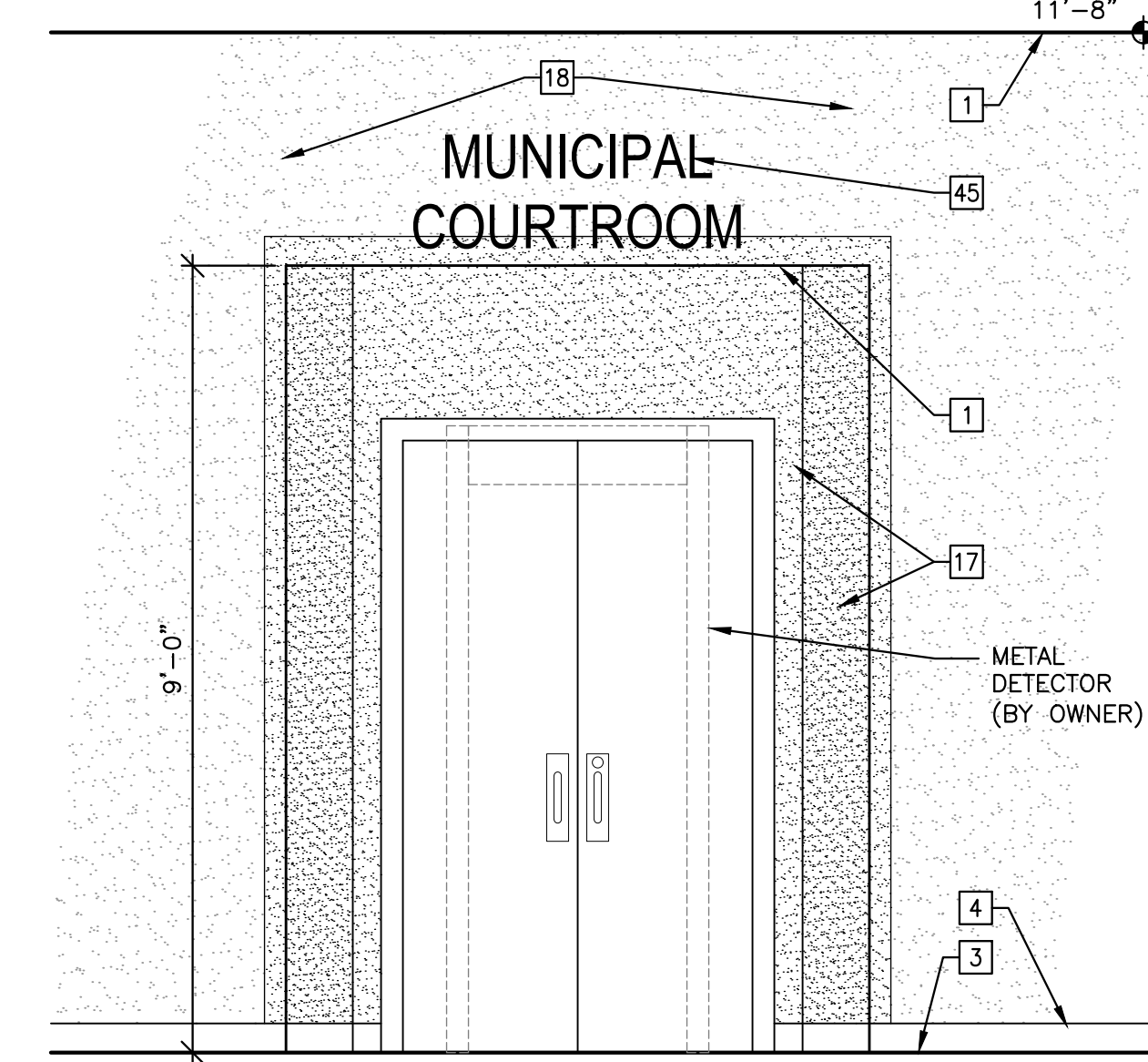
**6**  
A5.2  
**COURTROOM 116  
WAINSCOT DETAIL**  
SCALE: 1 1/2"=1'-0"



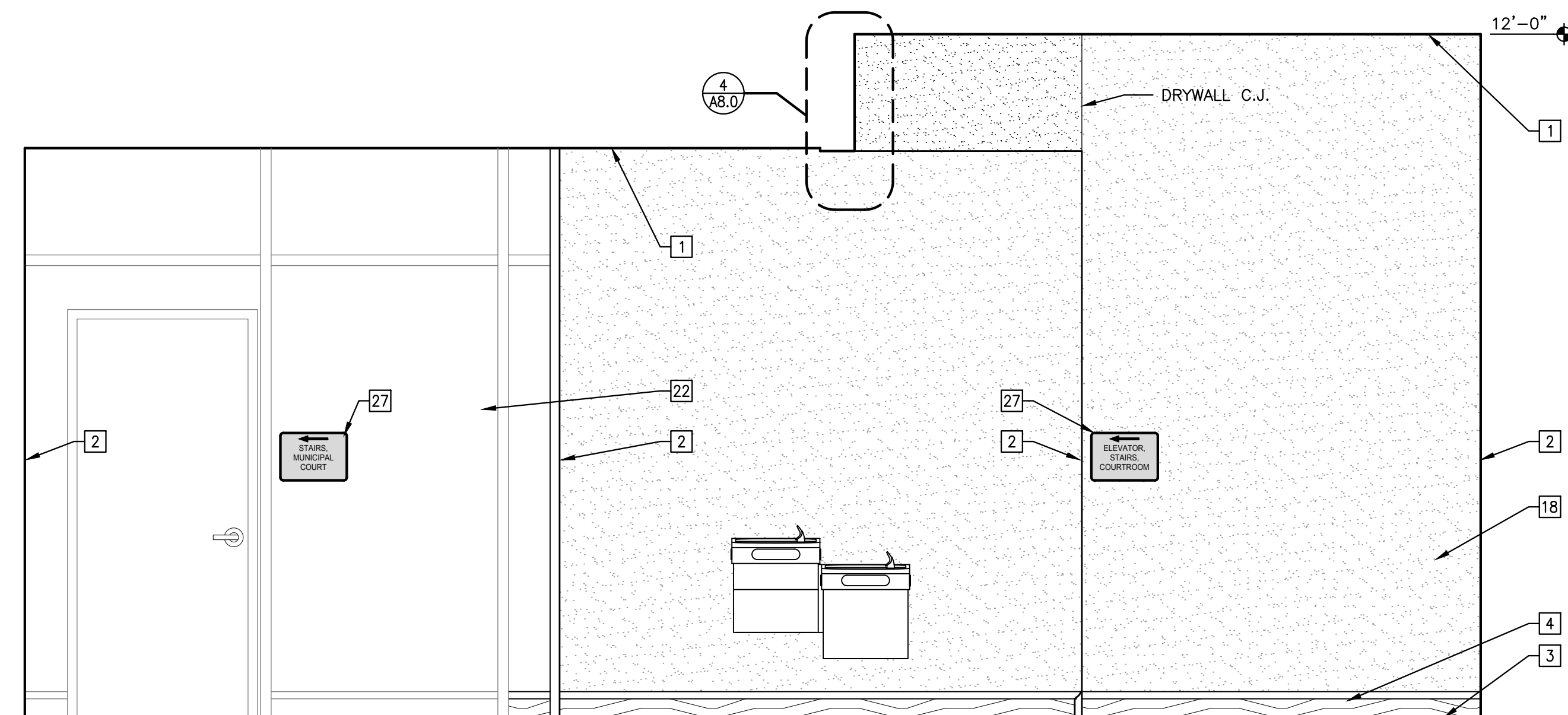
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**COURTROOM 116  
LOW WALL DETAIL**  
SCALE: 1 1/2"=1'-0"



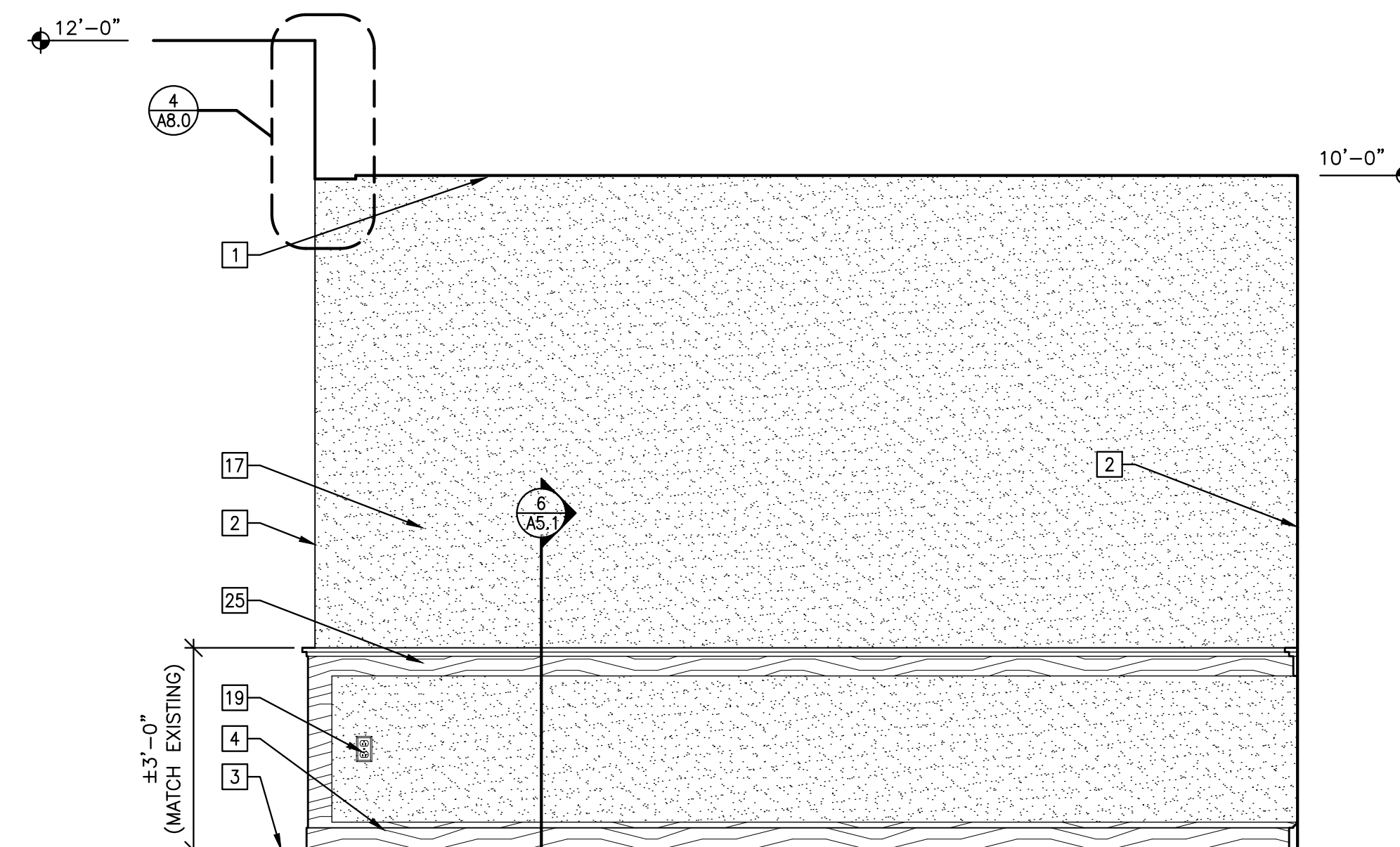
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A5.2  
**COURTROOM 116  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



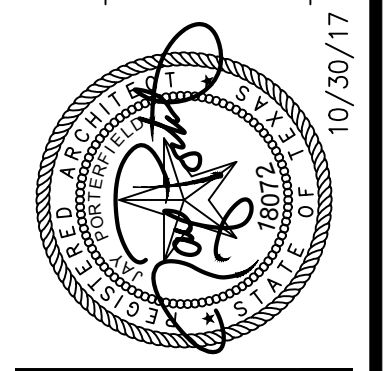
**3**  
A5.2  
**HALL 115  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



**2**  
A5.2  
**ELEVATOR LOBBY 109  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



**1**  
A5.2  
**WAITING 108  
INTERIOR ELEVATION**  
SCALE: 1/2"=1'-0"



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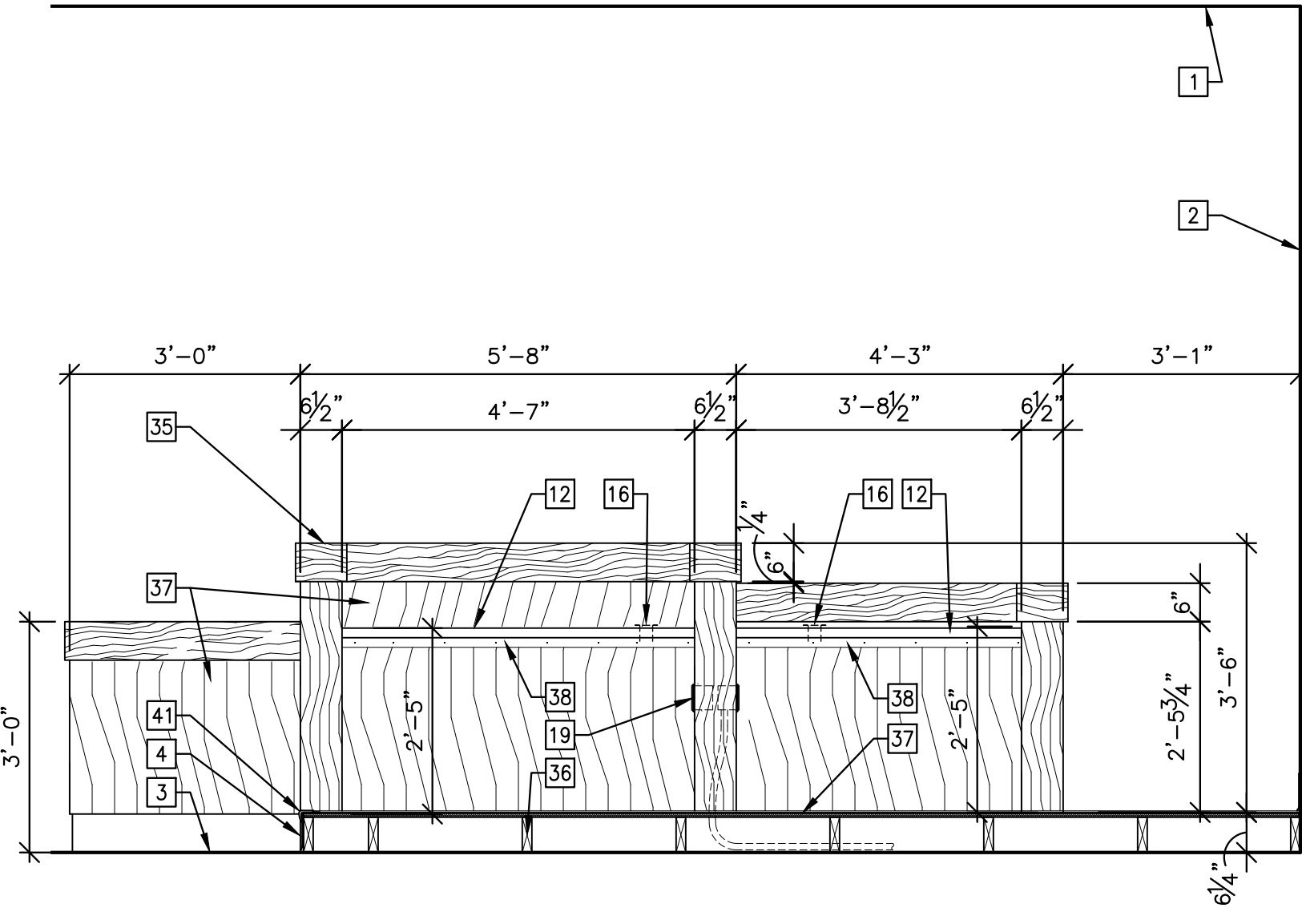
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**INTERIOR ELEVATIONS AND DETAILS**

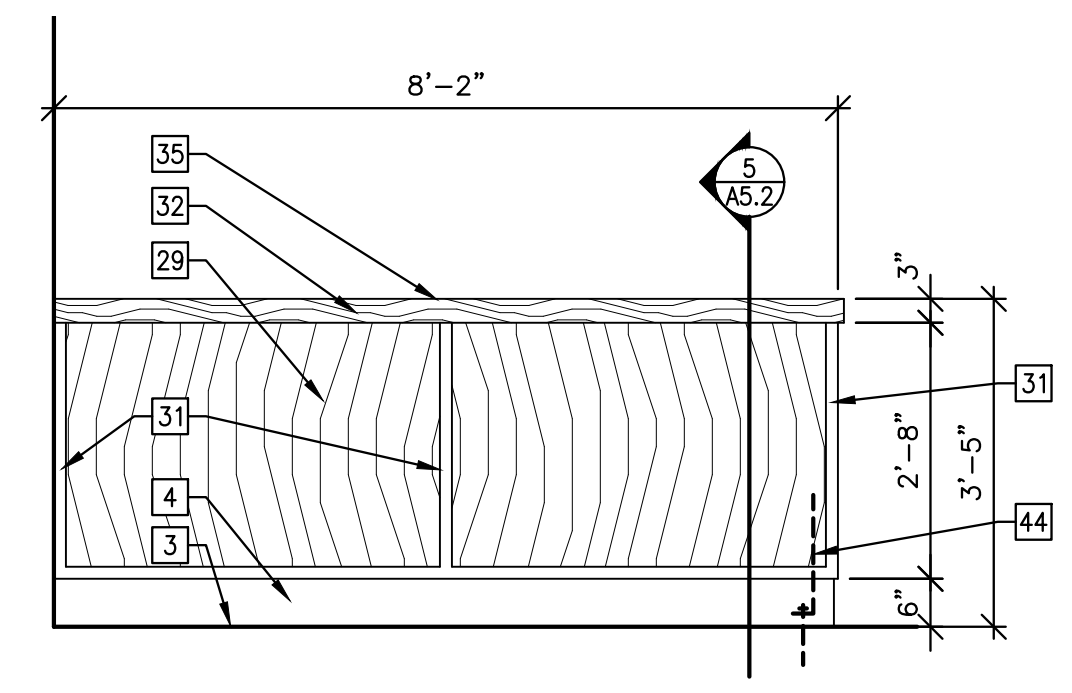
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OF 33  
DATE: 10/30/17  
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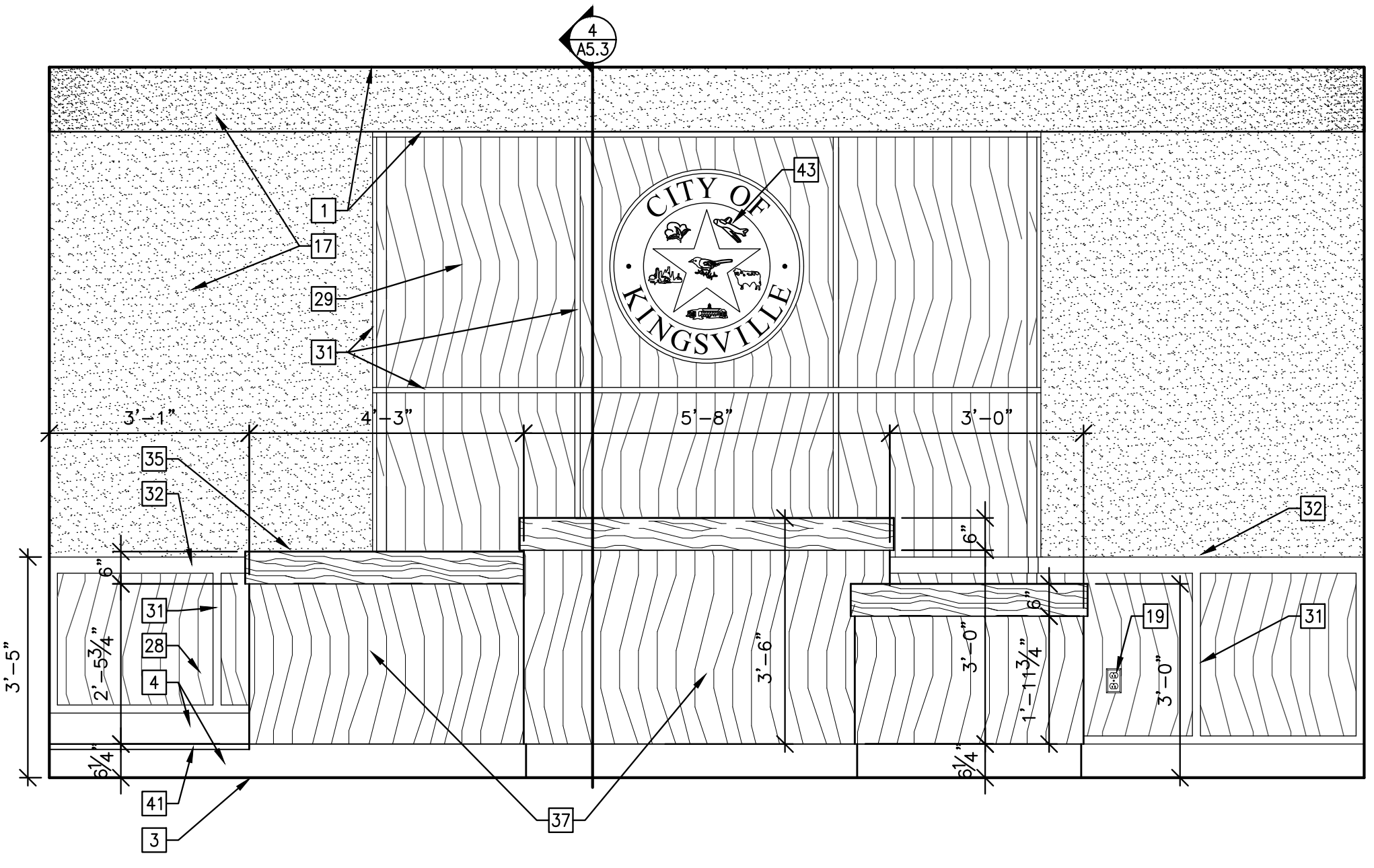
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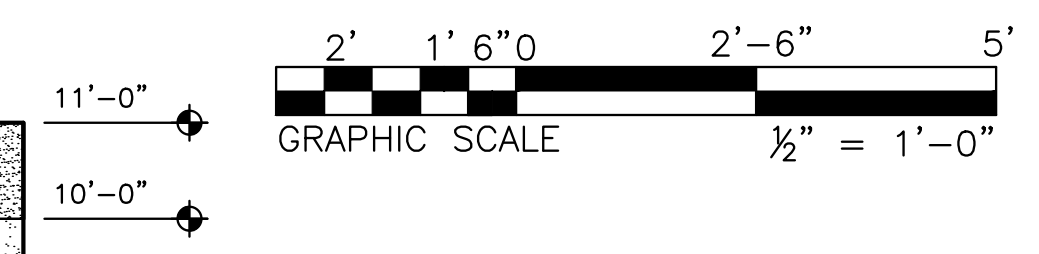
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A5.3 COURTROOM 116  
JUDGE'S BENCH ELEVATION  
SCALE: 1/2"=1'-0"



**6**  
A5.3 COURTROOM 116  
LOW WALL ELEVATION  
SCALE: 1/2"=1'-0"



**5**  
A5.3 COURTROOM 116  
JUDGE'S BENCH ELEVATION  
SCALE: 1/2"=1'-0"

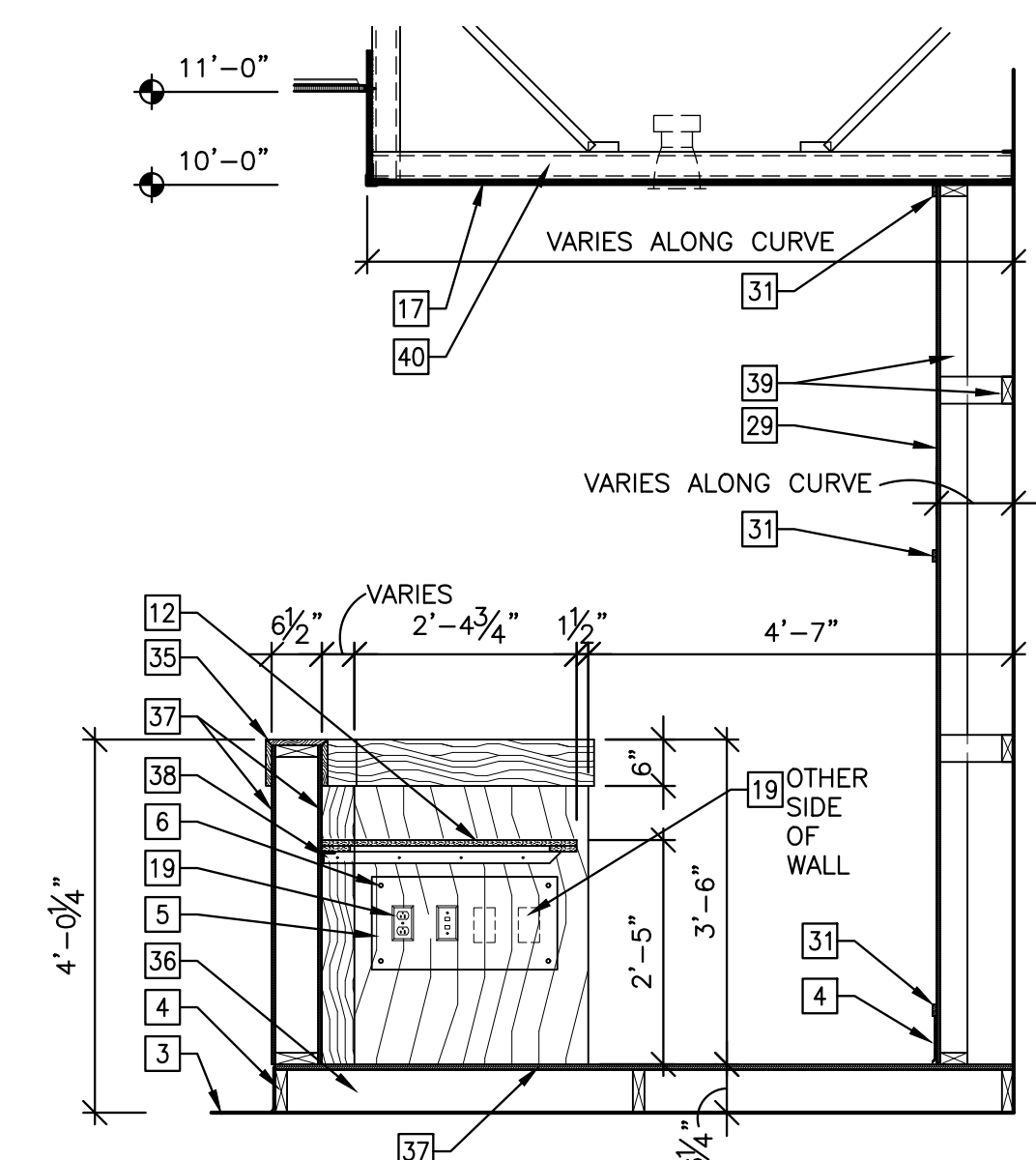


**GENERAL NOTES**

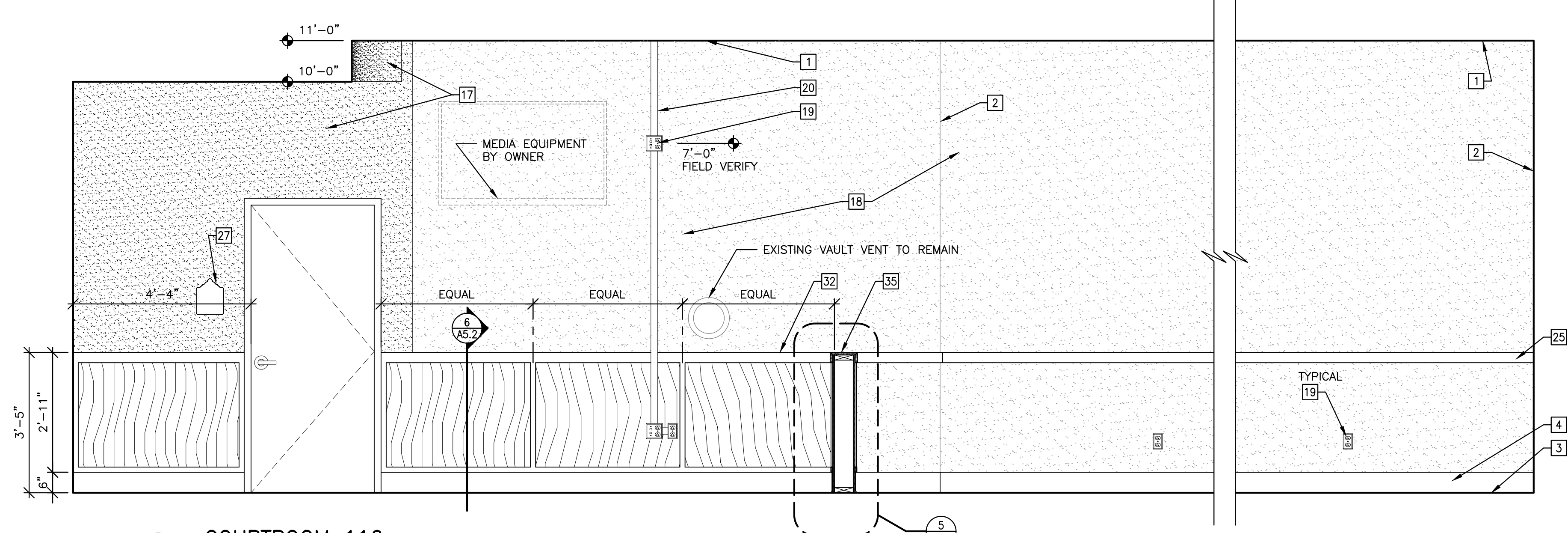
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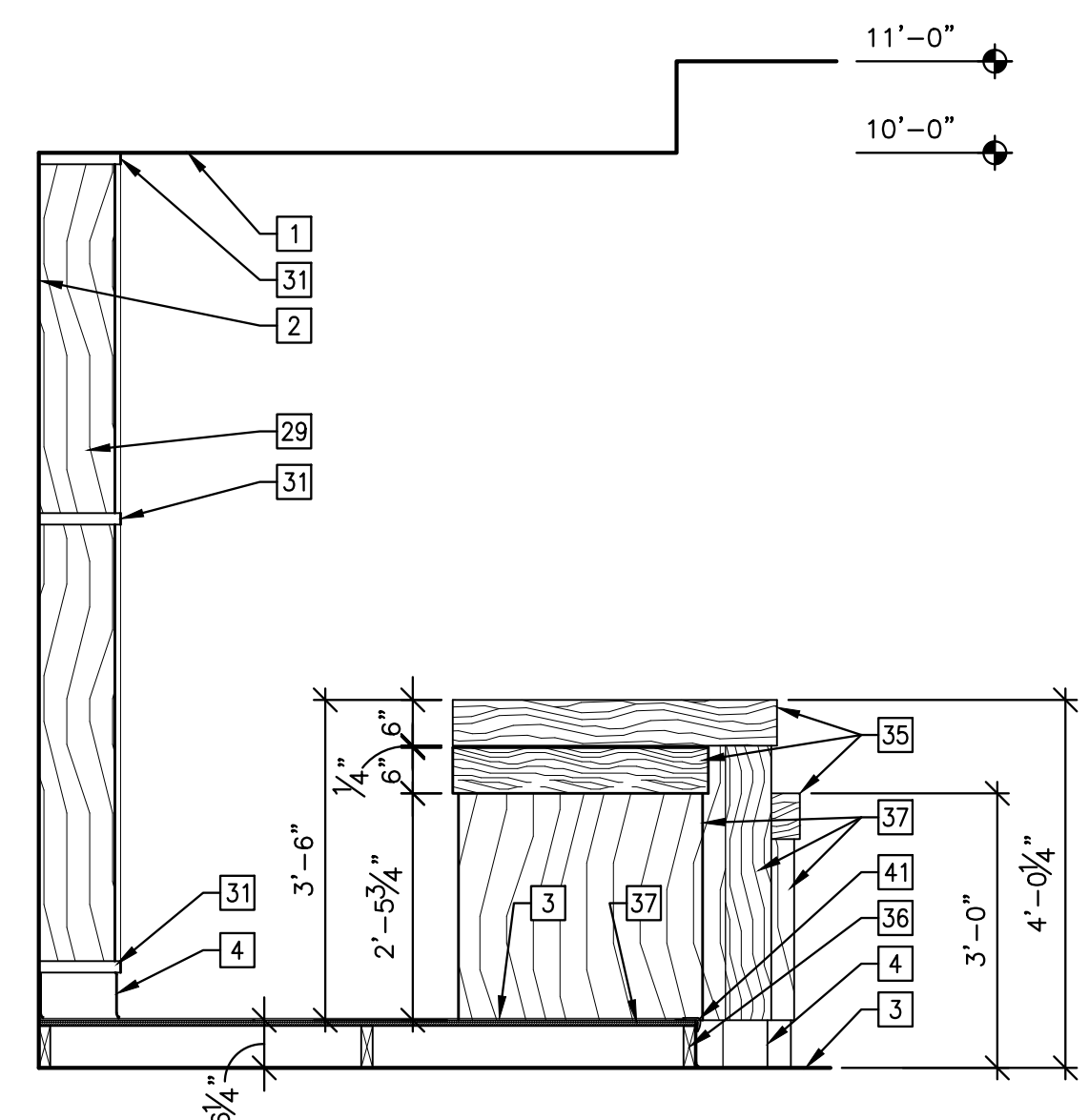
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31. 1/2" X 1 1/2" WOOD TRIM - STAIN FINISH.
32. 3/4" X 3" WOOD TRIM - STAIN FINISH.
33. SALVAGED BULLET-RESISTANT WINDOW AND DEAL TRAY - INSTALL IN NEW PARTITION.
34. NEW BULLET-RESISTANT WINDOW IN NEW PARTITION.
35. 1X TOP CAP - STAINED FINISH.
36. 2X6 PLATFORM FRAMING AT 24" O.C. MAX.
37. 3/4" PLYWOOD SUB FLOOR.
38. SHEET METAL ANGLE DESK TOP SUPPORT.
39. 2X WALL FRAMING - BRACE AS REQUIRED.
40. DRYWALL CEILING FRAMING - SUPPORT AND BRACE AS REQUIRED.
41. RESILIENT STAIR NOSING.
42. ALUMINUM REVEAL TRIM, PAINTED BLACK.
43. CITY SEAL PLAQUE BY OWNER.
44. SIMPSON TIE HIT4. EPOXY SET ANCHOR BOLT TO EXISTING CONCRETE SLAB.
45. 6" TALL ACRYLIC LETTERS - VERIFY EXACT TEXT.



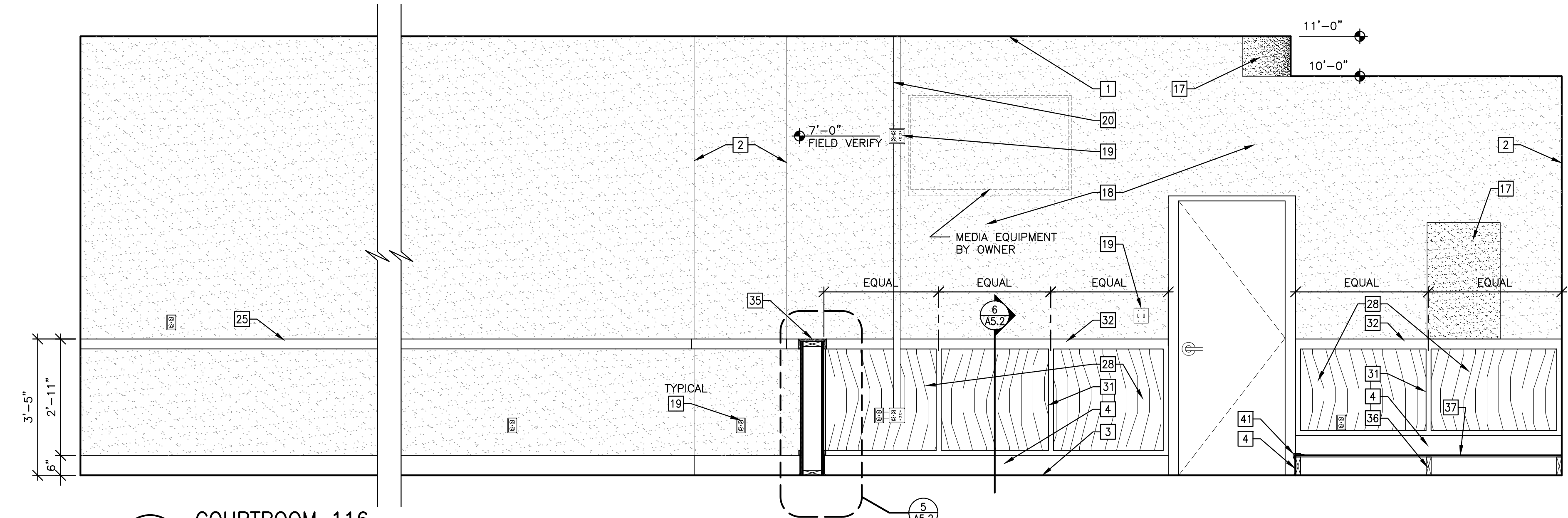
**4**  
A5.3 COURTROOM 116  
JUDGE'S BENCH SECTION  
SCALE: 1/2"=1'-0"



**3**  
A5.3 COURTROOM 116  
INTERIOR ELEVATION  
SCALE: 1/2"=1'-0"



**2**  
A5.3 COURTROOM 116  
JUDGE'S BENCH ELEVATION  
SCALE: 1/2"=1'-0"



**1**  
A5.3 COURTROOM 116  
INTERIOR ELEVATION  
SCALE: 1/2"=1'-0"

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10/30/17

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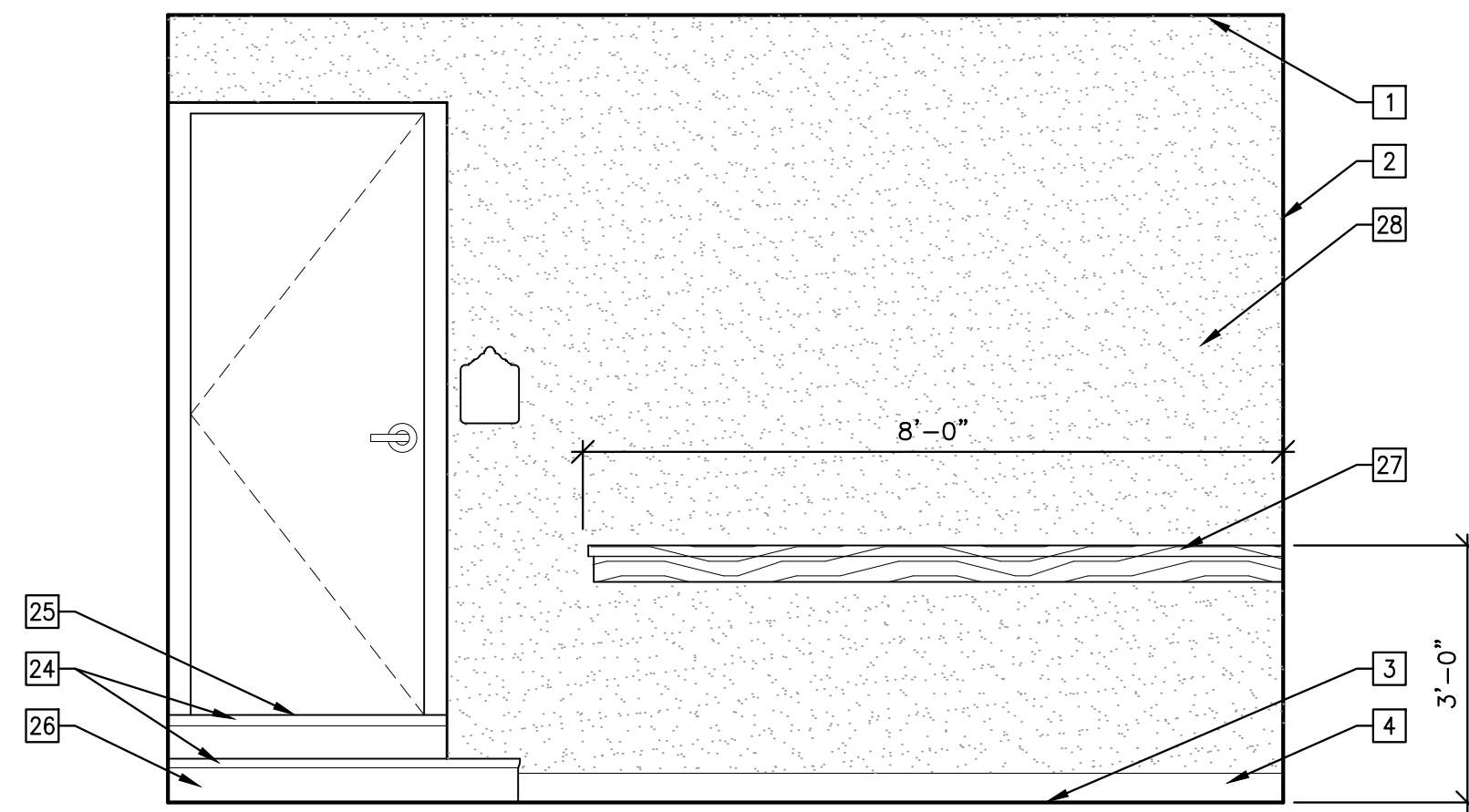
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CORPUS CHRISTI, TX 78401  
(937) 506-9797

NO.	DATE	DESCRIPTION
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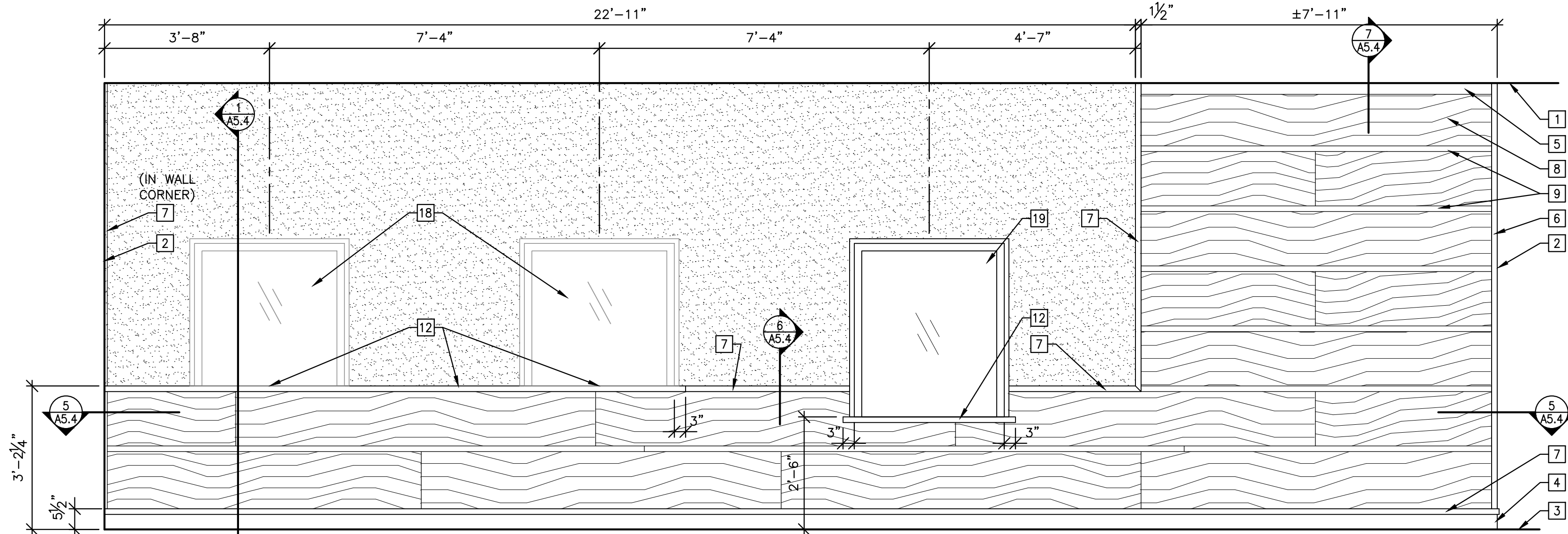
CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
INTERIOR ELEVATIONS AND DETAILS

DRAWING NUMBER  
**A5.3**  
OF 33

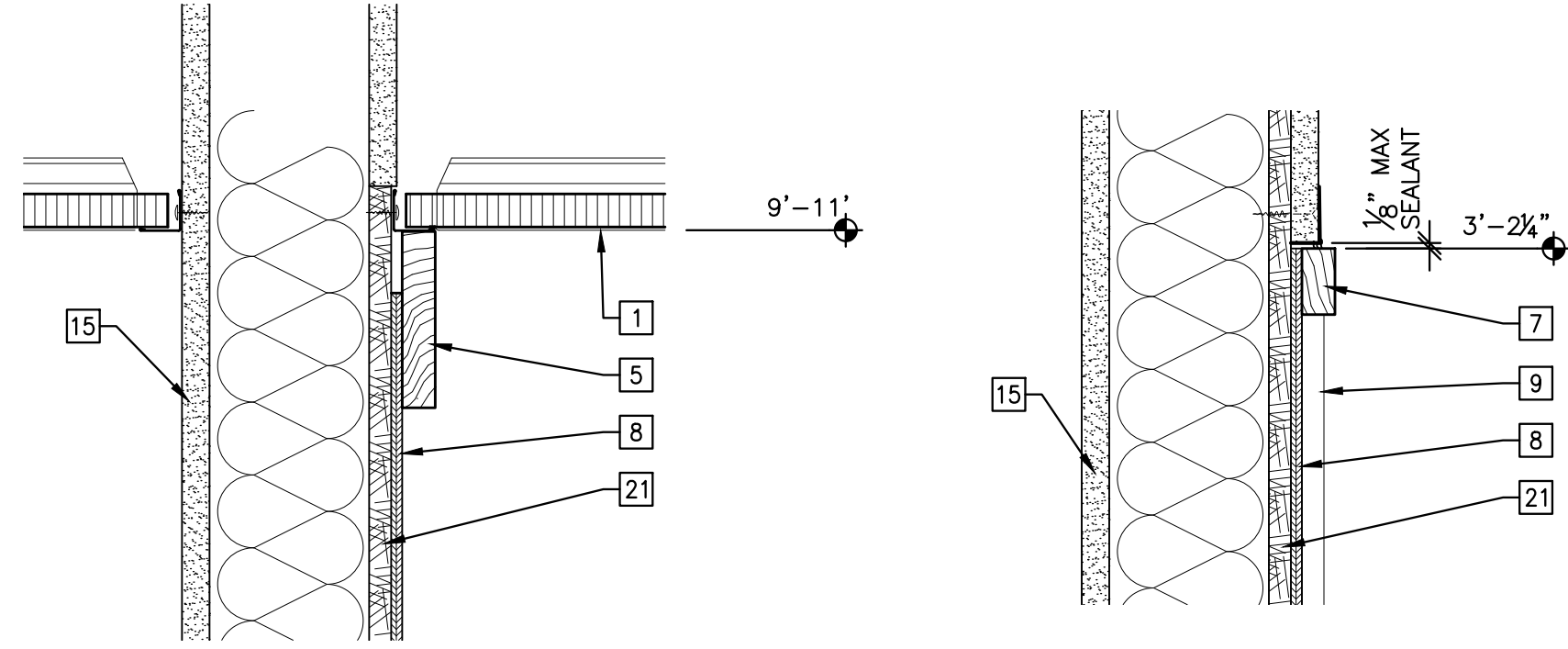
DATE: 10/30/17  
COMM. NO.: 1609



**2**  
A5.4 CORRIDOR 121  
INTERIOR ELEVATION  
SCALE: 1/2"=1'-0"

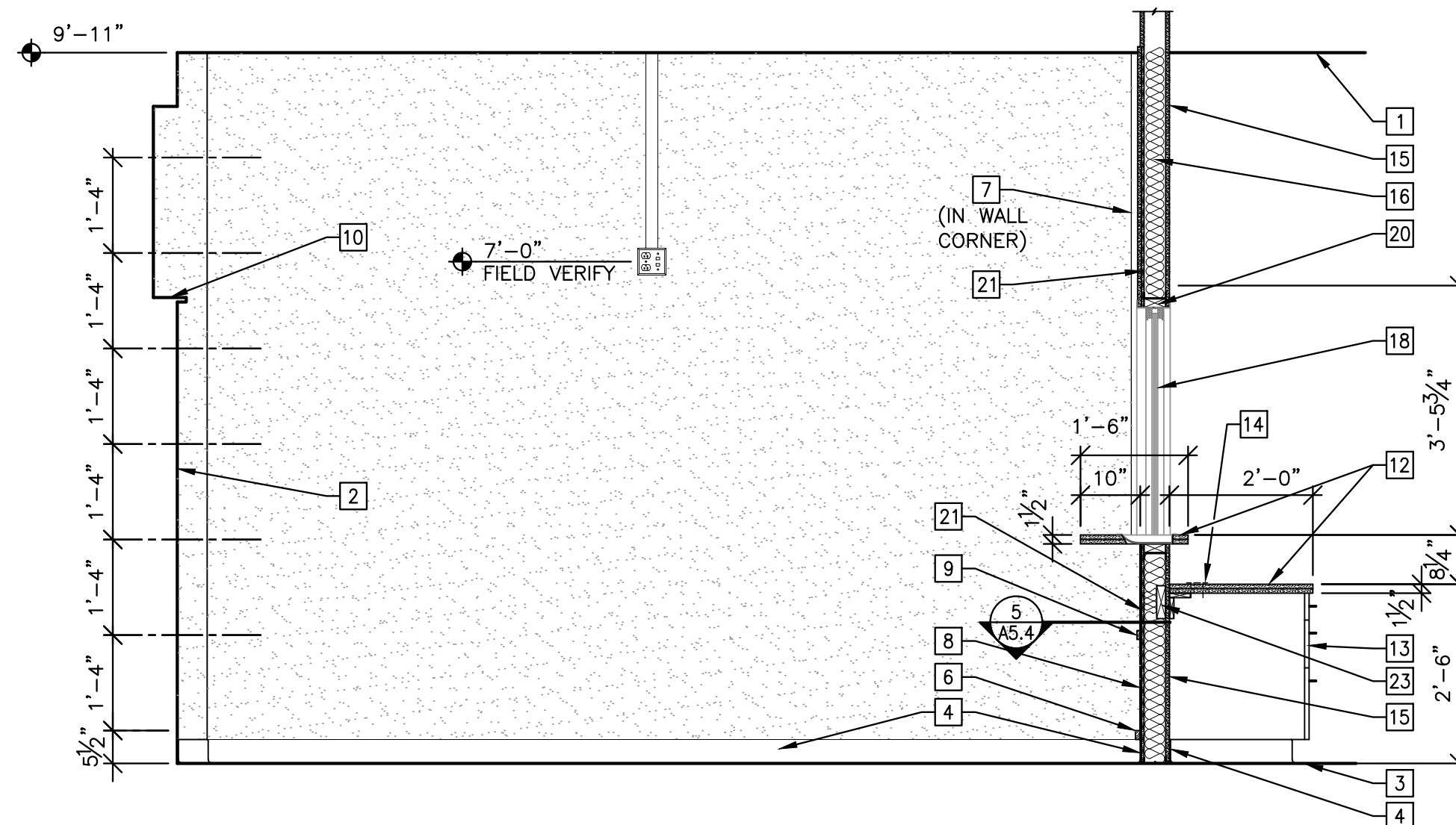


**4**  
A5.4 WAITING 117  
DETAIL  
SCALE: 3"=1'-0"

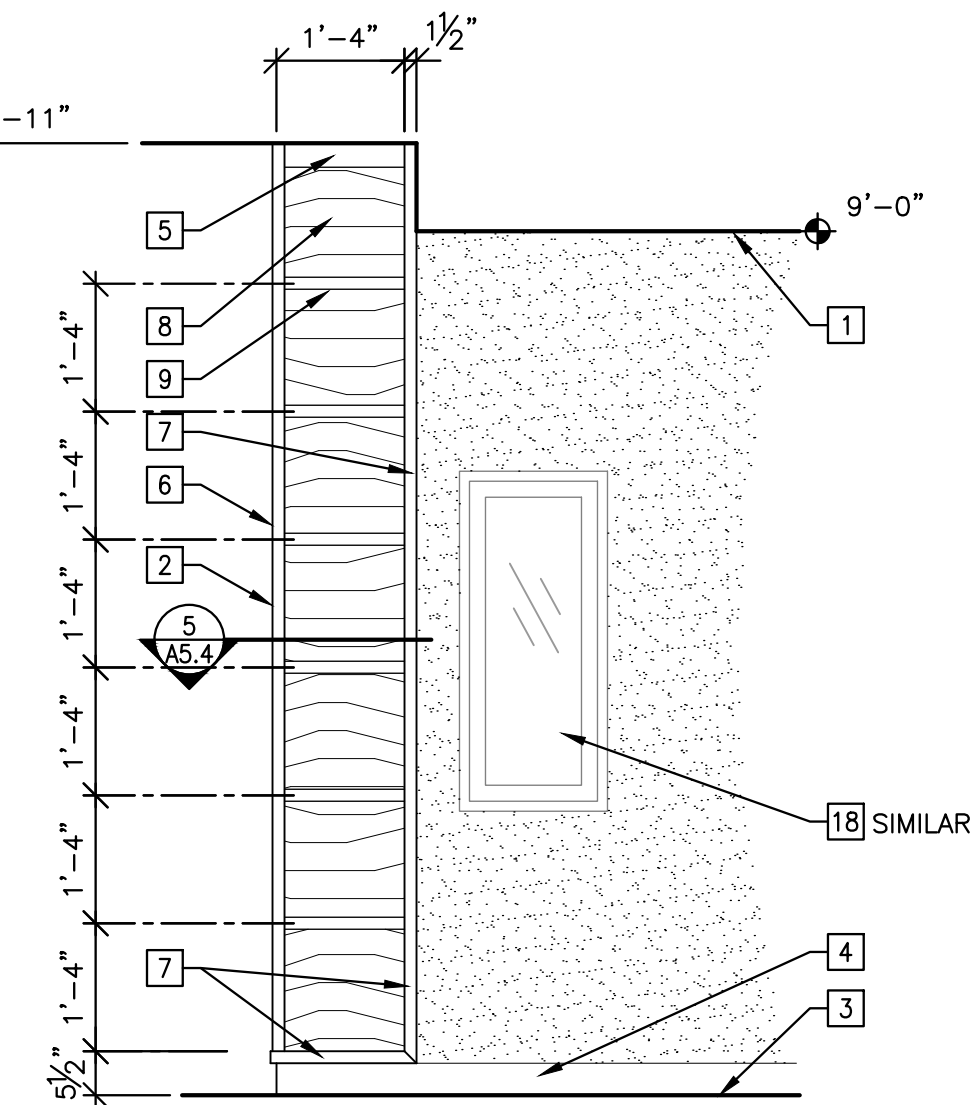


**7**  
A5.4 WAITING 117  
CEILING DETAIL  
SCALE: 3"=1'-0"

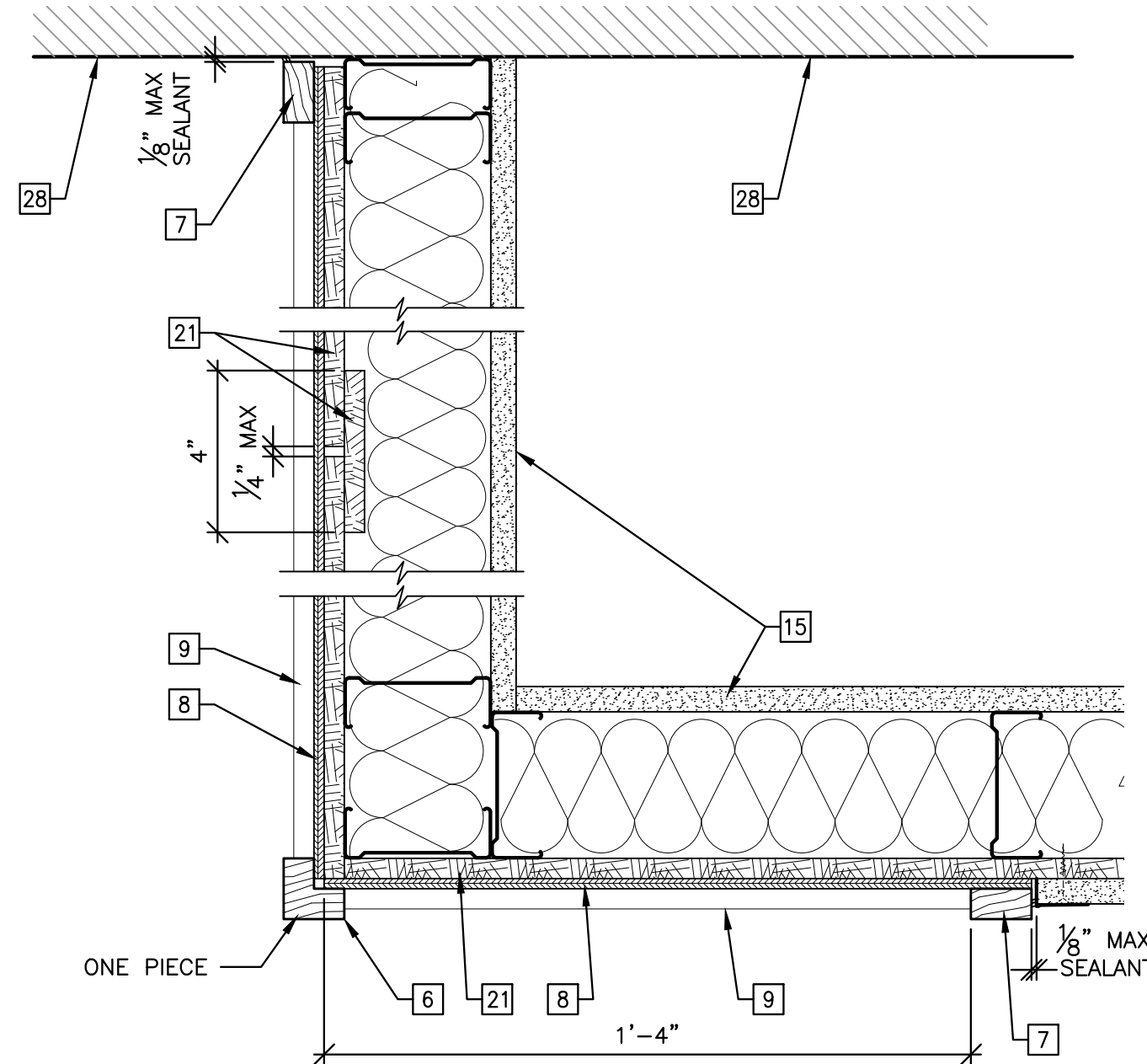
**6**  
A5.4 WAITING 117  
TOP OF WAJNSCOT DETAIL  
SCALE: 3"=1'-0"



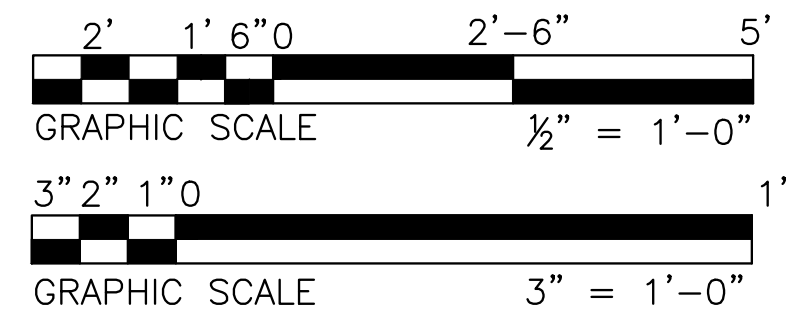
**1**  
A5.4 WAITING 117  
INTERIOR ELEVATION  
SCALE: 1/2"=1'-0"



**3**  
A5.4 WAITING 117  
INTERIOR ELEVATION  
SCALE: 1/2"=1'-0"



**5**  
A5.4 WAITING 117  
WAJNSCOT PLAN DETAIL  
SCALE: 3"=1'-0"



**GENERAL NOTES**

- A. REFER TO SHEET A2.1 FOR DOOR SCHEDULE AND DOOR ELEVATIONS.
- B. REFER TO DETAIL 3/A2.1 FOR ROOM SIGN PLACEMENT - TYPICAL UNLESS NOTED OTHERWISE.
- C. COORDINATE ALL WALL MOUNTED M.E.P. DEVICES WITH M.E.P. DRAWINGS AND DETAIL 2/G1.1
- D. PROVIDE FINISHED ENDS AT ALL EXPOSED TO VIEW LOCATIONS.
- E. WALL FINISHES SHALL BE CONTINUOUS BEHIND TOILET ACCESSORIES, PLUMBING FIXTURES, ETC.
- F. VERIFY EXACT ROUTING OF SURFACE-MOUNTED CONDUIT WITH ARCHITECT.
- G. FURNITURE/EQUIPMENT INDICATED WITH HIDDEN/SHADED LINES ARE FOR INFORMATION ONLY - NOT IN CONTRACT.

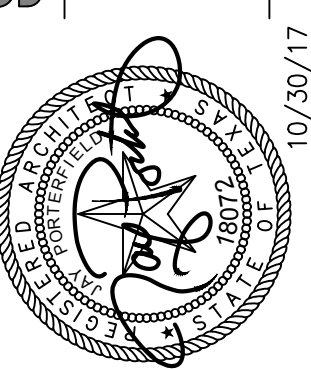
**KEYED NOTES:** [X]

- 1. FINISH CEILING LINE.
- 2. FINISH WALL LINE.
- 3. FINISH FLOOR LINE.
- 4. BASE AS SCHEDULED.
- 5. 3/4" x 4" WOOD TRIM - STAIN FINISH.
- 6. 1 1/2" x 1 1/2" WOOD TRIM - STAIN FINISH.
- 7. 3/4" x 1 1/2" WOOD TRIM - STAIN FINISH.
- 8. 1/4" VENEER PLYWOOD WOOD PANELING - STAIN FINISH. STAGGER END JOINTS AS INDICATED.
- 9. 1/2" X 1 1/2" WOOD TRIM - STAIN FINISH. STAGGER END JOINTS AS INDICATED.
- 10. EXISTING WOOD WINDOW SILL TO REMAIN - PAINT FINISH.
- 11. EXISTING WOOD PANELING AT WINDOW HEAD AND JAMBS TO REMAIN - PAINT FINISH.
- 12. PLASTIC LAMINATE COUNTERTOP AND EDGES.
- 13. PLASTIC LAMINATE CLAD CASEWORK, INCLUDING DOORS, DRAWERS, BOTTOMS AND ALL EXPOSED TO VIEW SURFACES.
- 14. 2"Ø PLASTIC WIRE MANAGEMENT GROMMET - FIELD VERIFY EXACT LOCATION.
- 15. NEW DRYWALL PARTITION - PAINT - REFER TO A1.0 FOR TYPE.
- 16. ACOUSTICAL BATT INSULATION TO CEILING LEVEL.
- 17. ELECTRICAL/DATA DEVICE - REFER TO ELECTRICAL.
- 18. SALVAGED BULLET-RESISTANT WINDOW AND DEAL TRAY-INSTALL IN NEW PARTITION.
- 19. NEW BULLET-RESISTANT WINDOW AND DEAL TRAY IN NEW PARTITION.
- 20. SOLID WOOD BLOCKING IN WALL AT HEAD, JAMB AND SILL - TYPICAL.
- 21. BULLET-RESISTANT COMPOSITE PANEL UP TO CEILING HEIGHT.
- 22. NOT USED.
- 23. PROVIDE CONTINUOUS BLOCKING IN WALL FOR COUNTERTOP CLEATS.
- 24. RESILIENT STAIR NOSING.
- 25. EXISTING STEP.
- 26. 2X6 PLATFORM FRAMING @ 16" O.C. WITH 3/4" PLYWOOD SUB FLOOR TOP.
- 27. WOOD CHAIR RAIL - REFER TO 6/A5.1 (SIMILAR). PAINT FINISH.
- 28. EXISTING GYPSUM BOARD/PLASTER - PATCH DAMAGE AND PAINT.
- 29. SOLID WOOD BLOCKING/FURRING STRIPS. USE EXISTING FURRING IF POSSIBLE.

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1900 WINDYBROOK DRIVE  
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(361) 886-8797

REVISIONS

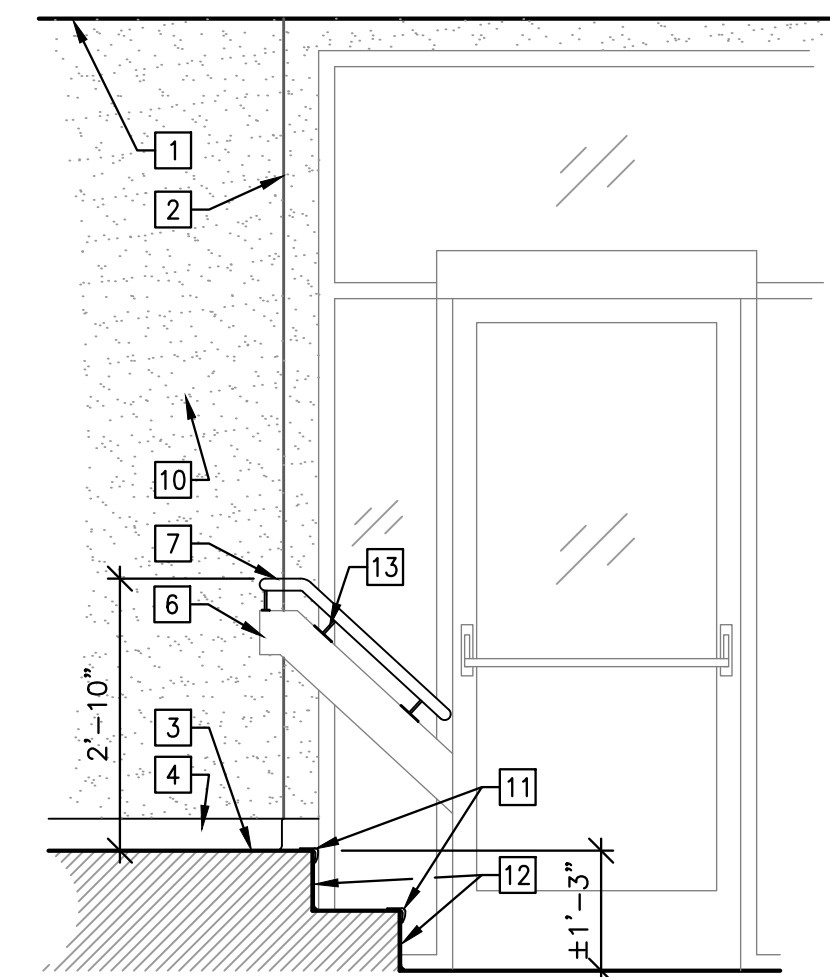
NO.	DATE	DESCRIPTION
Δ	4/12/17	ADDENDUM NO. 2

DATE: 10/30/17  
COMM. NO.: 1609

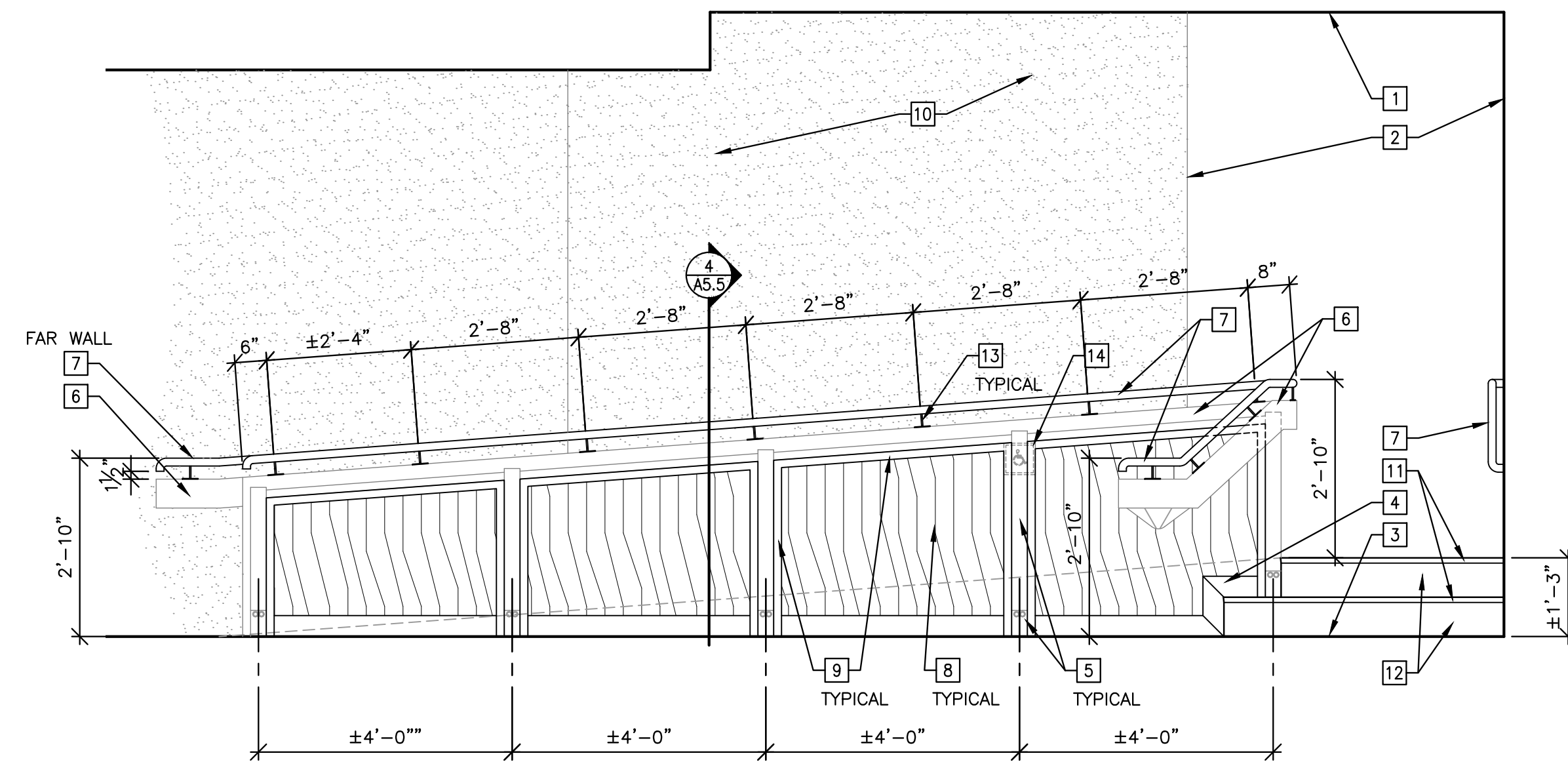
CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
INTERIOR ELEVATIONS AND DETAILS

DRAWING NUMBER  
**A5.4**  
OF 33

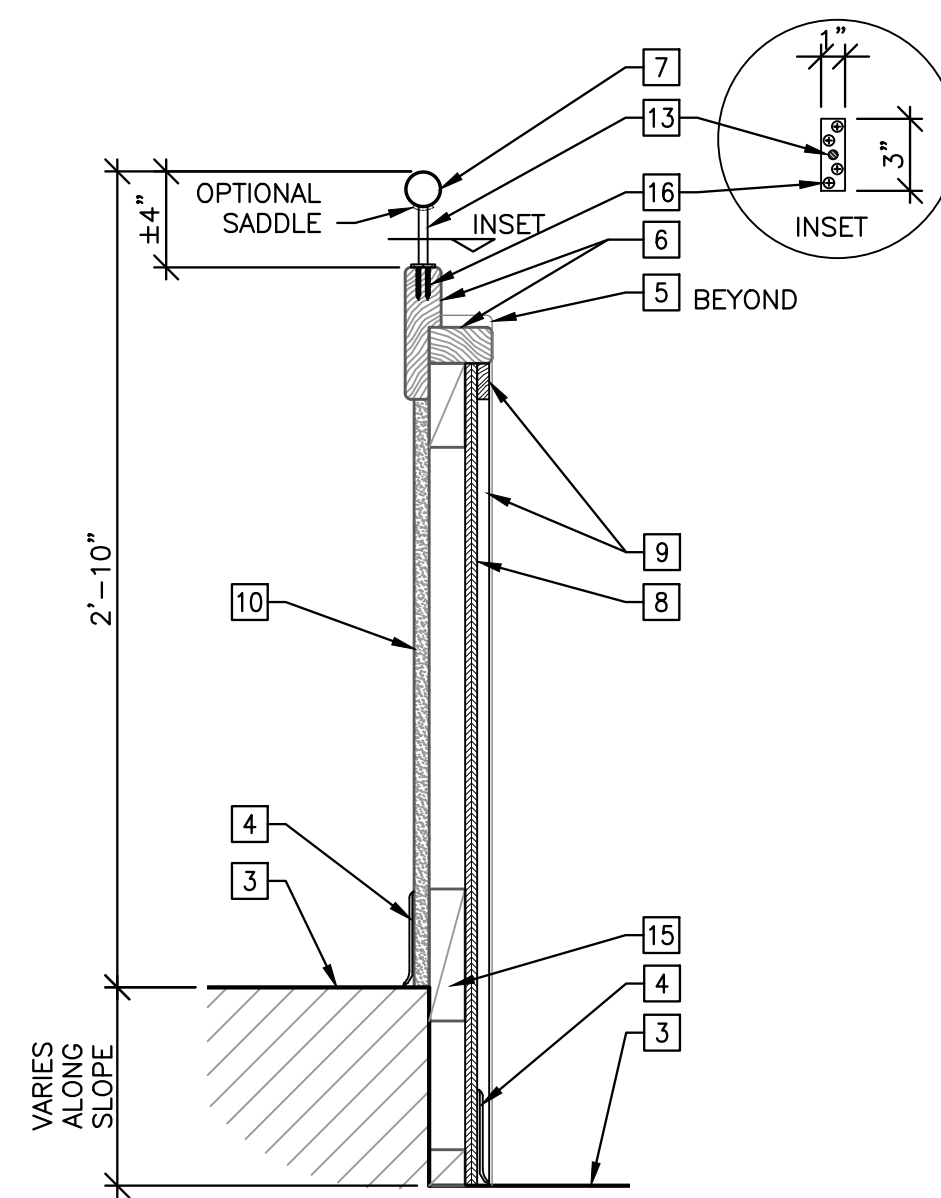




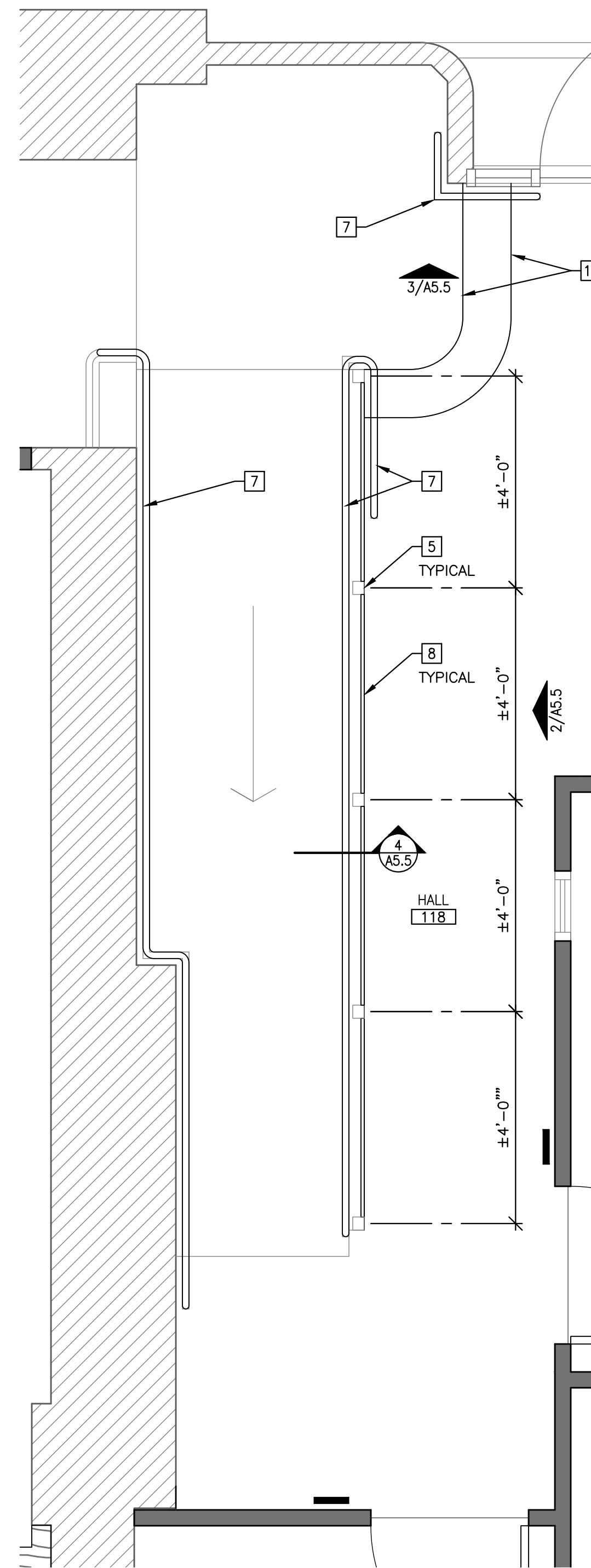
**3**  
**A5.5** EXISTING STEPS ELEVATION  
SCALE: 1/2"=1'-0"



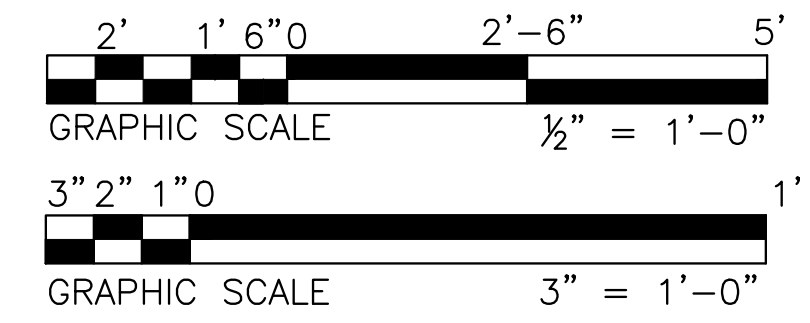
**2**  
**A5.5** EXISTING RAMP ELEVATION  
SCALE: 1/2"=1'-0"



**4**  
**A5.5** EXISTING RAMP DETAIL  
SCALE: 1 1/2"=1'-0"



**1**  
**A5.5** ENLARGED EXISTING RAMP PLAN  
SCALE: 1/2"=1'-0"



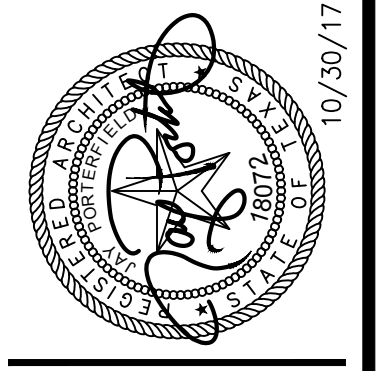
**GENERAL NOTES**

- A. REFER TO SHEET A2.1 FOR DOOR SCHEDULE AND DOOR ELEVATIONS.
- B. REFER TO DETAIL 3/A2.1 FOR ROOM SIGN PLACEMENT - TYPICAL UNLESS NOTED OTHERWISE.
- C. COORDINATE ALL WALL MOUNTED M.E.P. DEVICES WITH M.E.P. DRAWINGS AND DETAIL 2/G1.1
- D. PROVIDE FINISHED ENDS AT ALL EXPOSED TO VIEW LOCATIONS.
- E. WALL FINISHES SHALL BE CONTINUOUS BEHIND TOILET ACCESSORIES, PLUMBING FIXTURES, ETC.
- F. VERIFY EXACT ROUTING OF SURFACE-MOUNTED CONDUIT WITH ARCHITECT.
- G. FURNITURE/EQUIPMENT INDICATED WITH HIDDEN/SHADED LINES ARE FOR INFORMATION ONLY - NOT IN CONTRACT.

**KEYED NOTES:** X

(SHEETS A5.5 ONLY)

- 1. FINISH CEILING LINE.
- 2. FINISH WALL LINE.
- 3. FINISH FLOOR LINE.
- 4. 4" BASE AS SCHEDULED.
- 5. EXISTING POST TO REMAIN - PREPARE AND PAINT POST AND MOUNTING BRACKET.
- 6. EXISTING WOOD RAILING TO REMAIN - PREPARE AND PAINT.
- 7. NEW 1 1/2" Ø STEEL PIPE HANDRAIL ON TOP OF EXISTING WOOD RAILING - PAINT FINISH.
- 8. 1/2" VENEER PLYWOOD WOOD PANELING - STAIN FINISH. STAGGER END JOINTS AS INDICATED.
- 9. 1/2" X 1 1/2" WOOD TRIM - STAIN FINISH. STAGGER END JOINTS AS INDICATED.
- 10. EXISTING GYPSUM BOARD/PLASTER - PATCH DAMAGE AND PAINT.
- 11. EXISTING STEP - PROVIDE NEW VINYL NOSING.
- 12. 6" RESILIENT BASE.
- 13. 3/8" ROD WELDED TO 1/8" X 1" X 3" STEEL PLATE. CONTRACTOR'S OPTION: WELDED ROD TO PIPE OR BOLT TO PIPE WITH SADDLE PLATE.
- 14. EXISTING DOOR OPERATOR PUSH BUTTON TO REMAIN.
- 15. EXISTING WOOD BLOCKING BETWEEN POSTS.
- 16. #12 X 1 1/4" SCREWS, STAGGERED.



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NO.	DATE	DESCRIPTION
Δ	4/12/17	ADDENDUM NO. 2

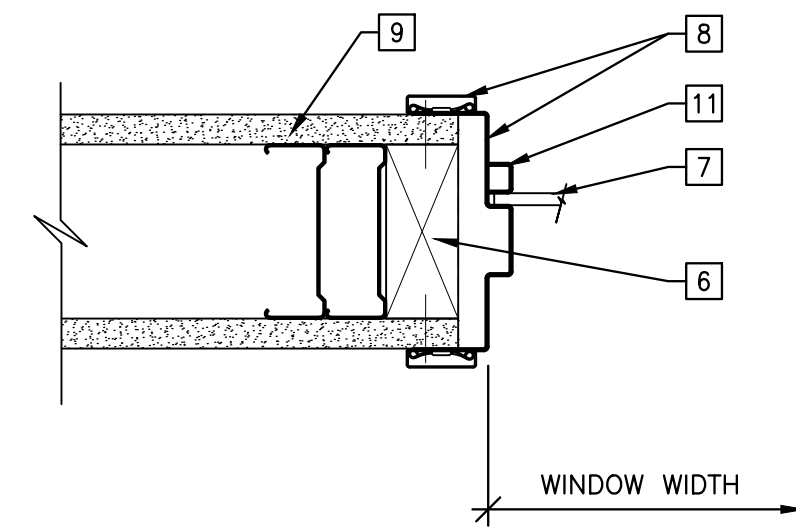
**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**INTERIOR ELEVATIONS AND DETAILS**

DRAWING NUMBER  
**A5.5**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609

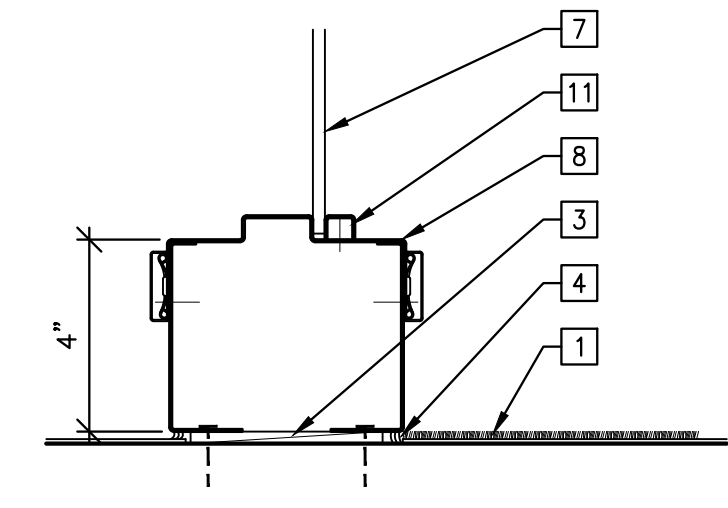


**KEYED NOTES:** [X]

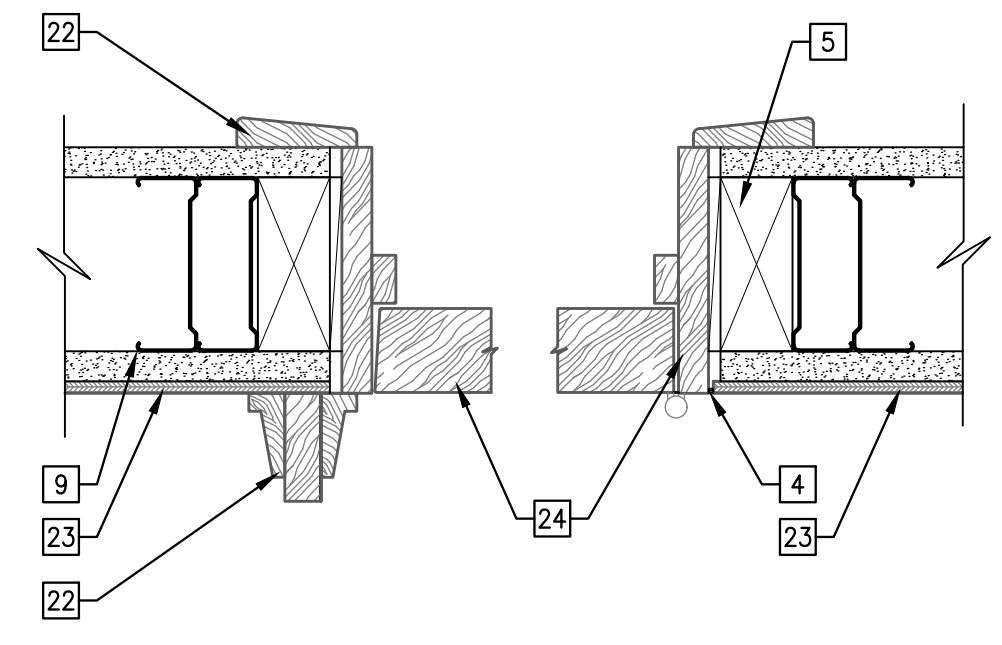
1. FLOOR FINISH AS SCHEDULED.
2. BASE AS SCHEDULED.
3. SHIM AS REQUIRED.
4. SEALANT, BOTH SIDES.
5. CONTINUOUS 2X BLOCKING.
6. DOOR AS SCHEDULED.
7. GLAZING AS SCHEDULED.
8. PRE-FINISHED INTERIOR METAL FRAME SYSTEM SNAP-ON CASING.
9. WALL TYPE AS SCHEDULED - REFER TO FLOOR PLAN AND 1/A2.0 FOR WALL TYPES.
10. ELECTRICAL ROUGH-IN BOXES AS REQUIRED.
11. PREFINISHED METAL GLAZING STOP SET IN SEALANT.
12. ANODIZED ALUMINUM TUBE FRAMING.
13. #10 X 3/8" SCREWS, FREQUENCY PER MANUFACTURER RECOMMENDATIONS.
14. BULLET-RESISTANT GLAZING.
15. ANODIZED ALUMINUM U-CHANNEL.
16. COMPOSITE SPACERS.
17. ANODIZED ALUMINUM BREAK METAL TRIM.
18. PLASTIC LAMINATE CLAD COUNTER TOP.
19. STAINLESS STEEL DEAL TRAY.
20. SLIDING POCKET DOOR HARDWARE.
21. SLIDING POCKET DOOR FRAMING.
22. SALVAGED WOOD TRIM-RELOCATED.
23. SALVAGED WOOD PANELING-RELOCATED.
24. SALVAGED WOOD DOOR AND FRAME-RELOCATED.



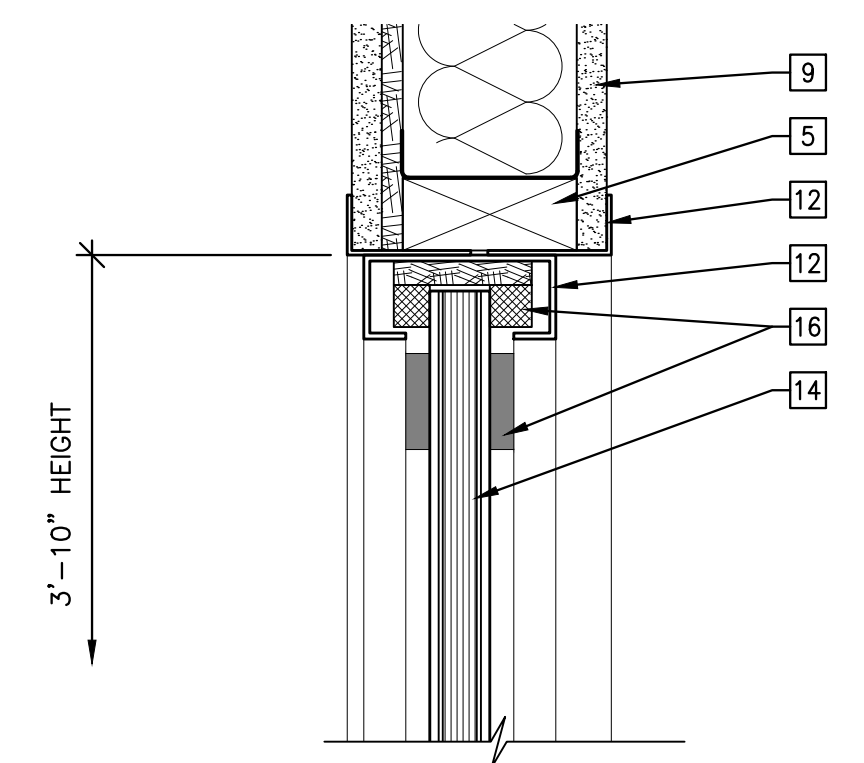
**8** BORROWED LIGHT HEAD/JAMB/SILL  
A6.0 SCALE: 3"=1'-0"



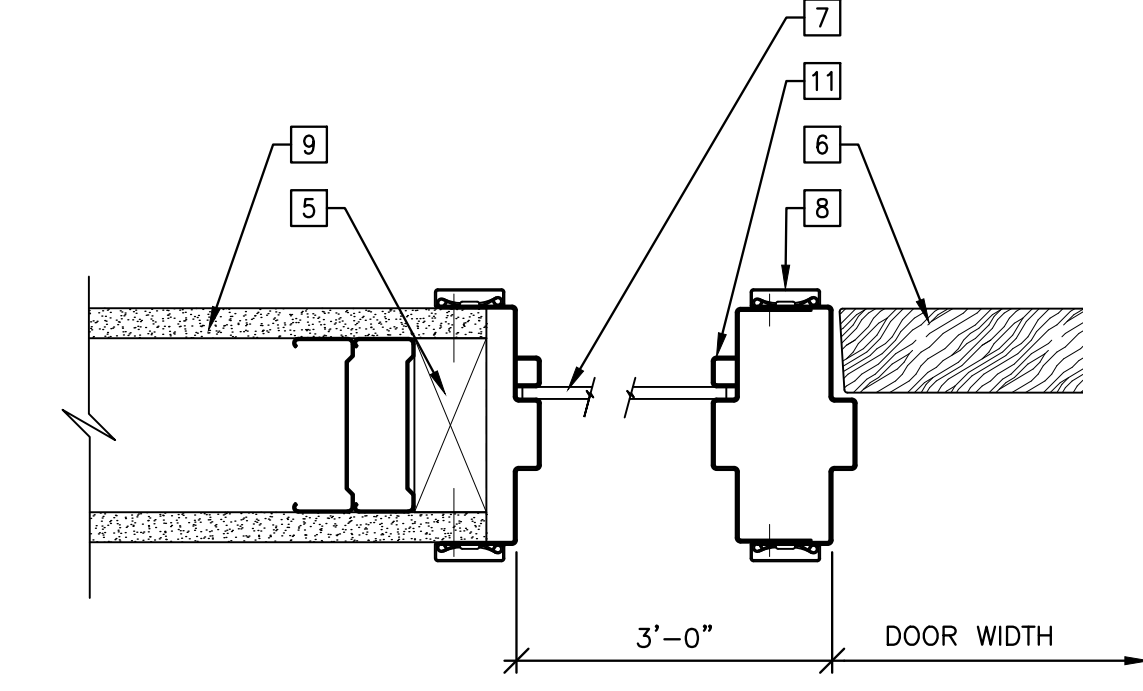
**4** SIDELIGHT SILL  
A6.0 SCALE: 3"=1'-0"



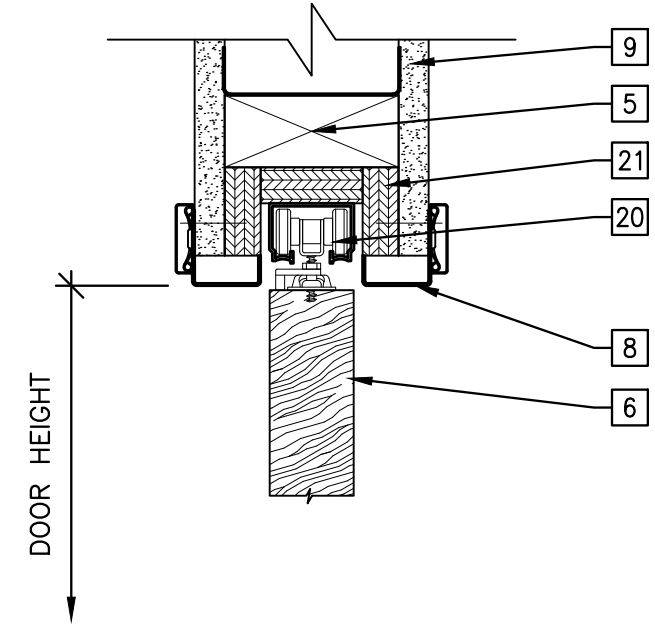
**11** DOOR 109A JAMB DETAIL (HEAD SIMILAR)  
A6.0 SCALE: 3"=1'-0"



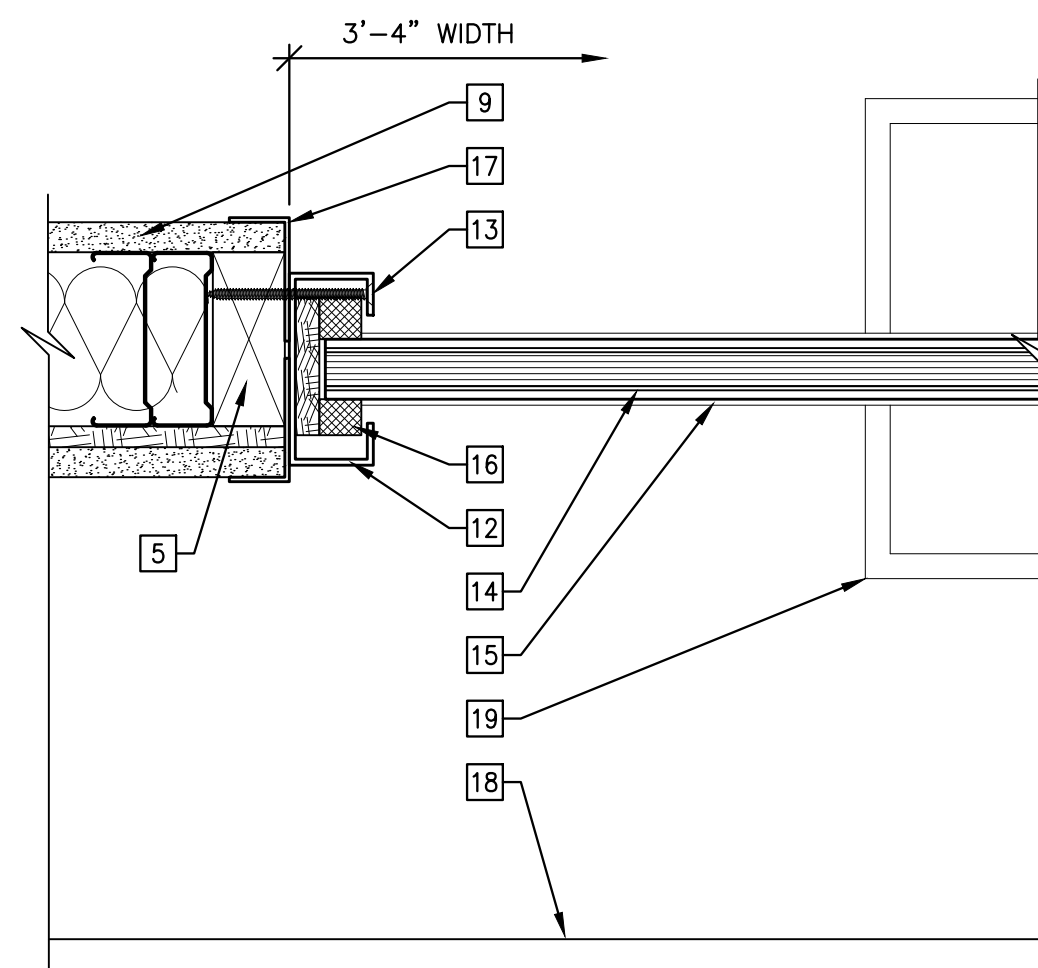
**7** TRANSACTION WINDOW HEAD  
A6.0 SCALE: 3"=1'-0"



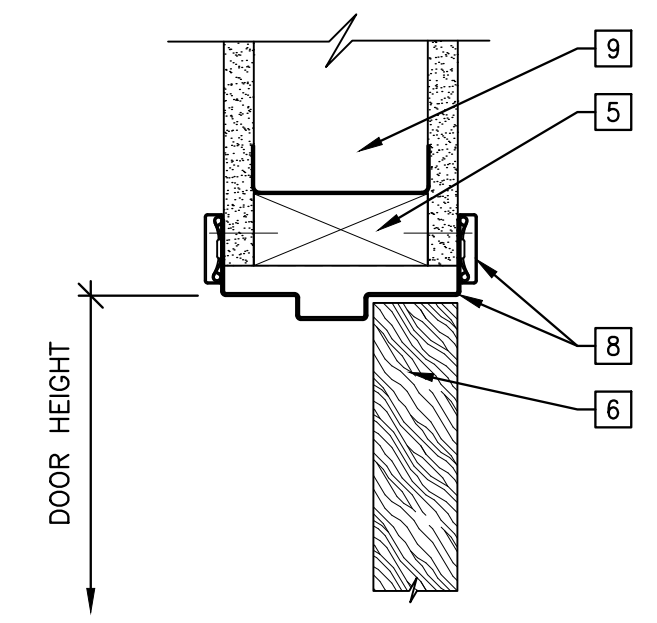
**3** DOOR JAMB @ SIDELIGHT  
A6.0 SCALE: 3"=1'-0"



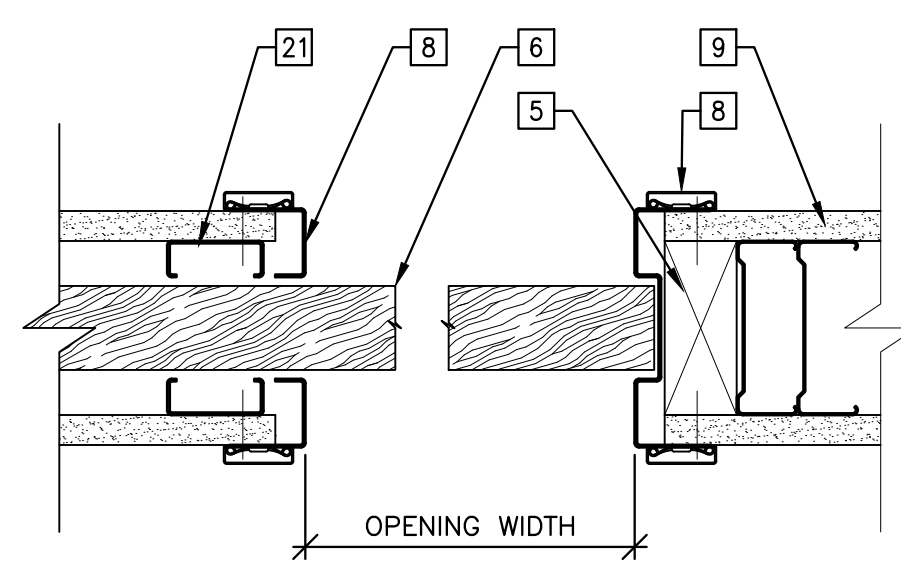
**10** POCKET DOOR HEAD  
A6.0 SCALE: 3"=1'-0"



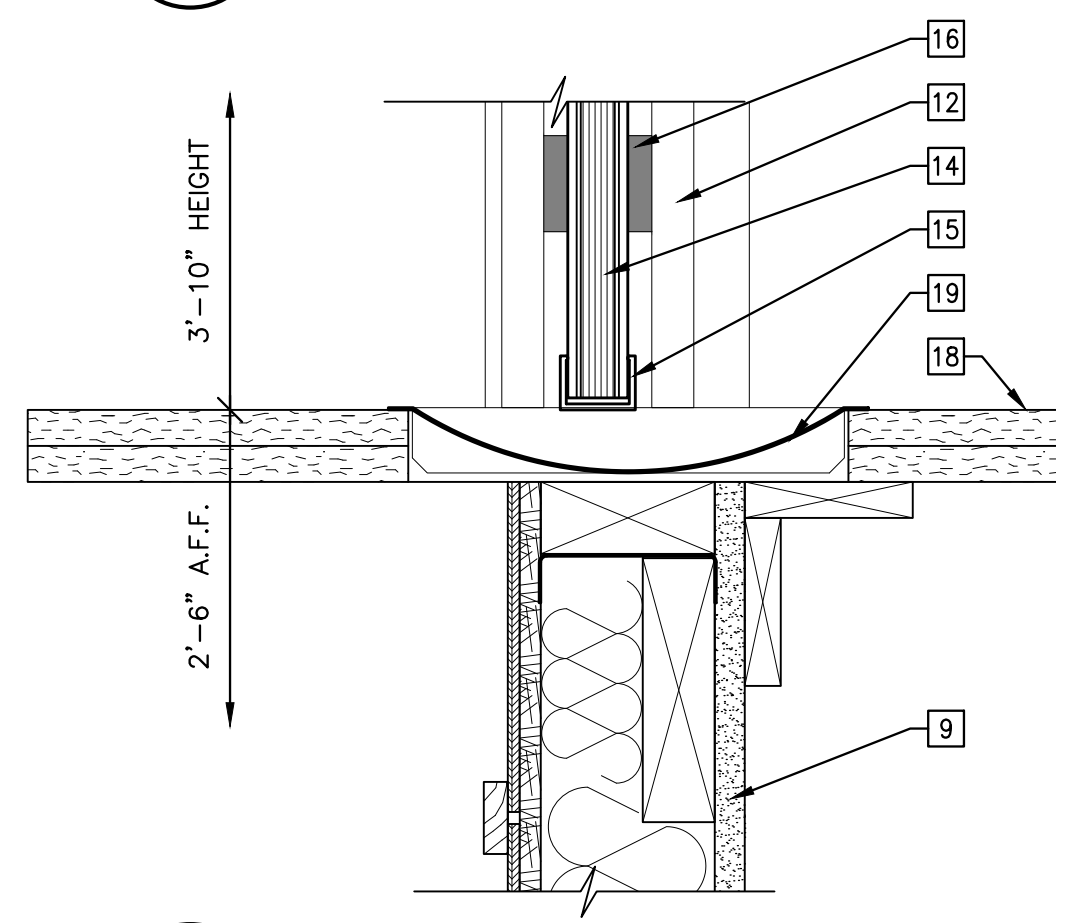
**6** TRANSACTION WINDOW JAMB  
A6.0 SCALE: 3"=1'-0"



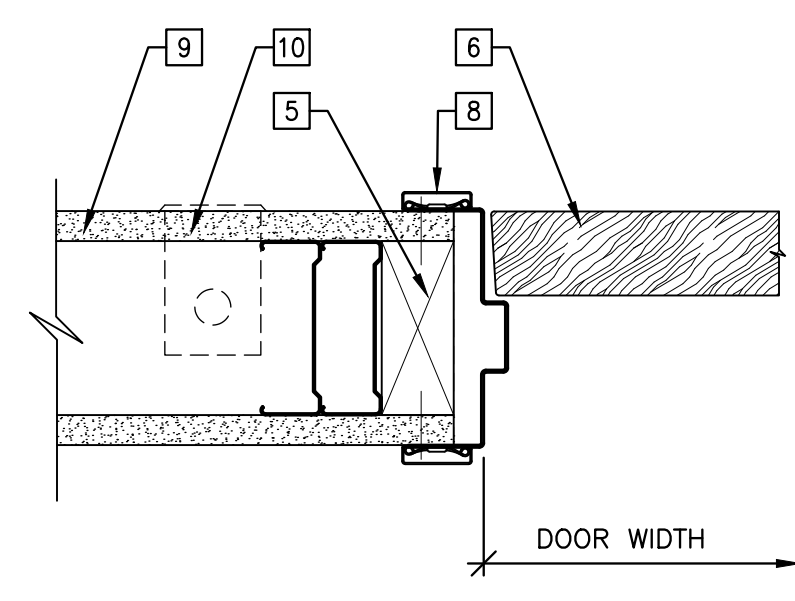
**2** DOOR HEAD - TYPICAL  
A6.0 SCALE: 3"=1'-0"



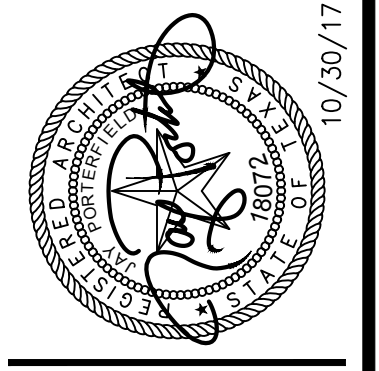
**9** POCKET DOOR JAMB  
A6.0 SCALE: 3"=1'-0"



**5** TRANSACTION WINDOW SILL  
A6.0 SCALE: 3"=1'-0"



**1** DOOR JAMB - TYPICAL  
A6.0 SCALE: 3"=1'-0"



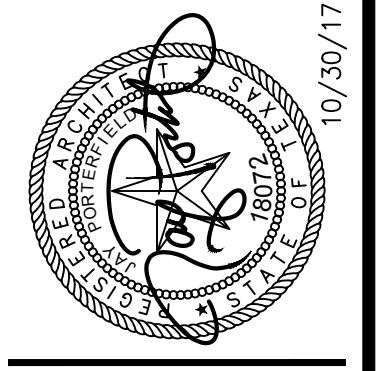
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**CITY OF KINGSVILLE  
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200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS

**OPENING DETAILS**  
DRAWING NUMBER  
**A6.0**  
OF 33  
DATE: 10/30/17  
COMM. NO.: 1609



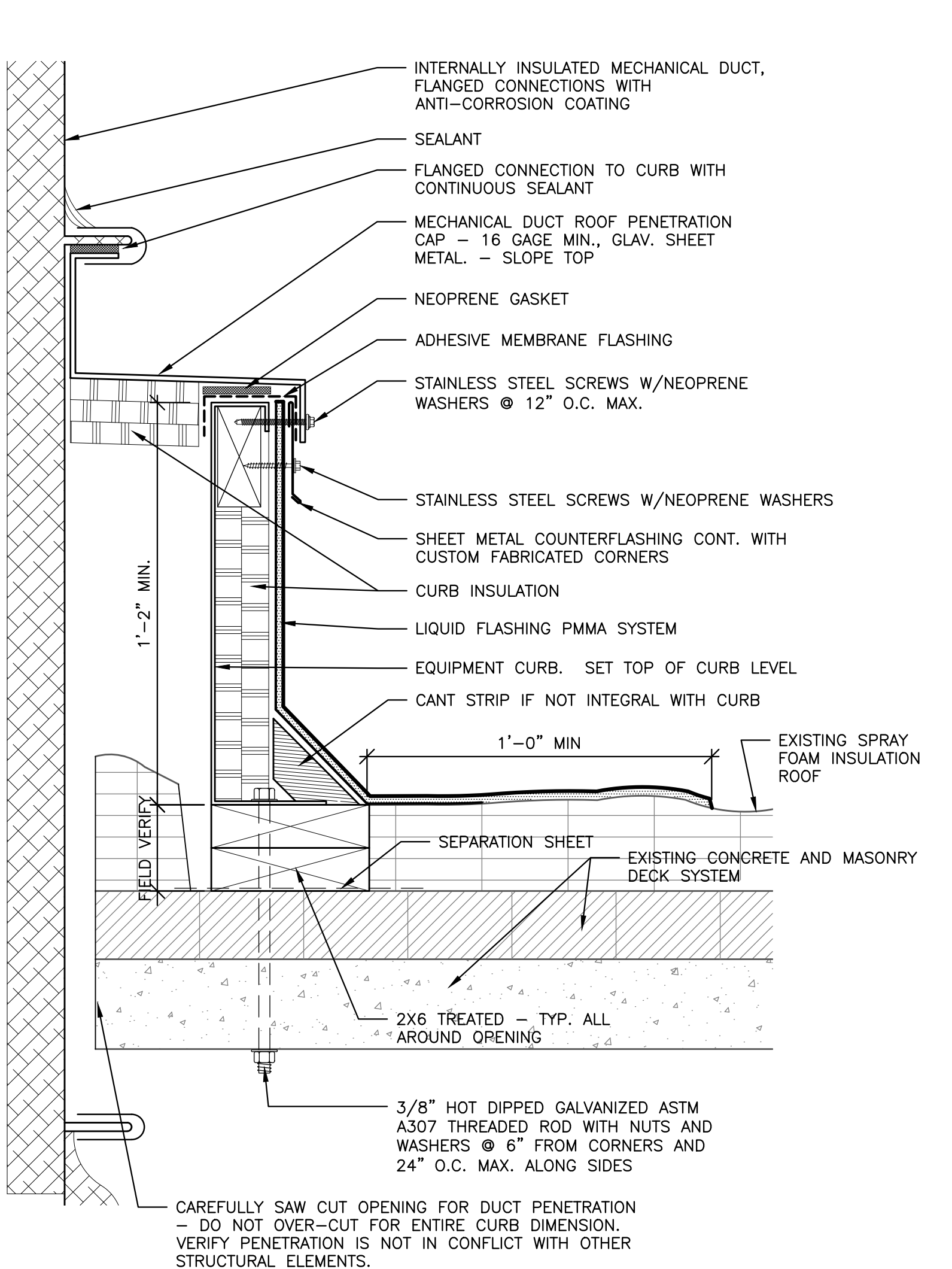
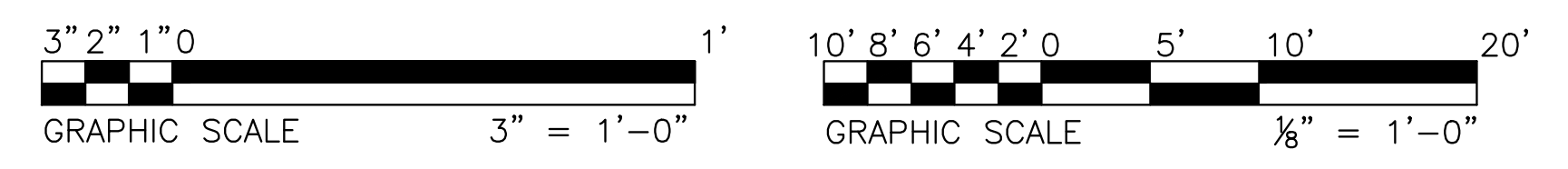


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 408 HANCOCK CORPUS CHRISTI, TEXAS  
 CORPUS CHRISTI, TX 78401  
 (361) 586-8877

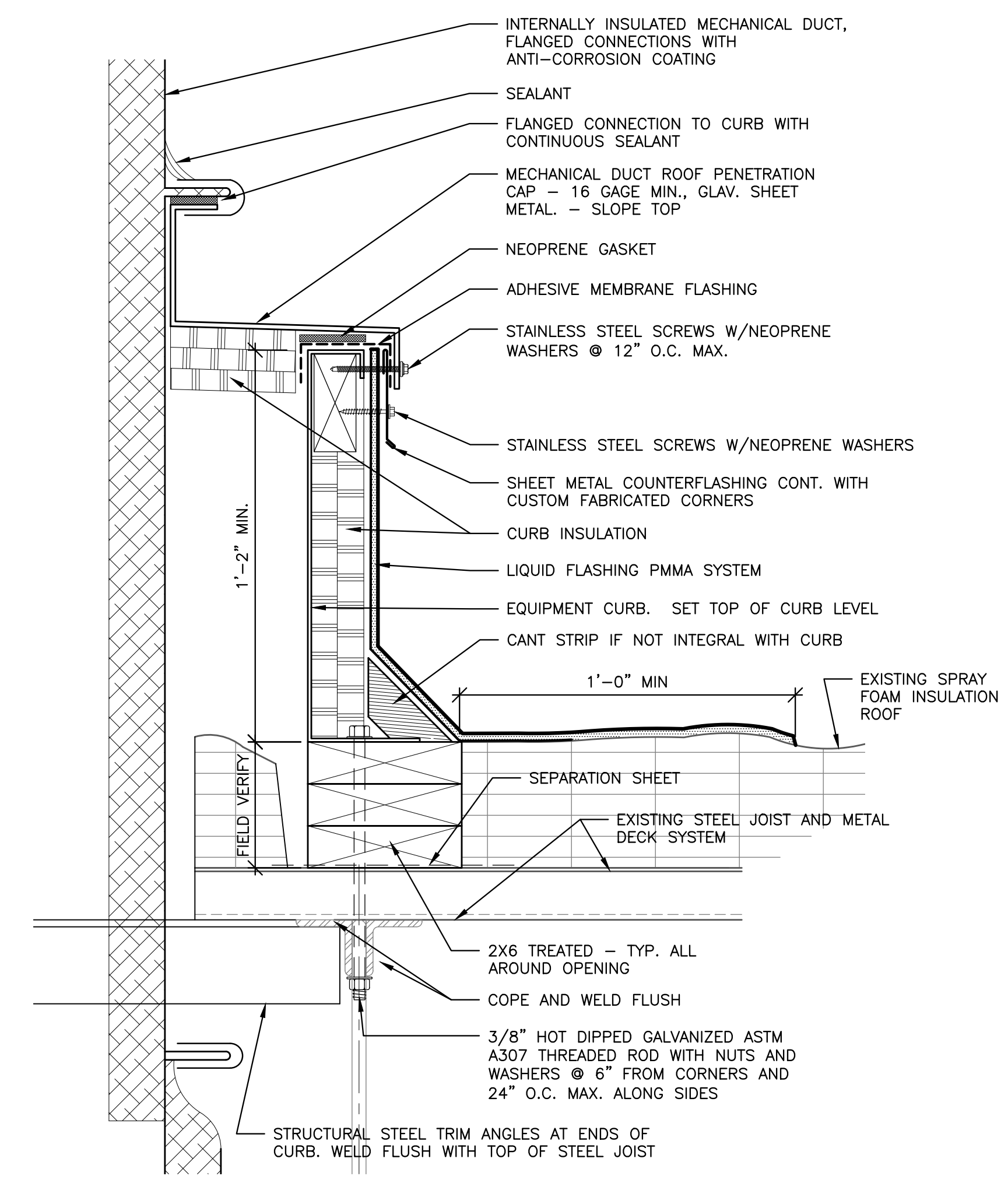
NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
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 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS

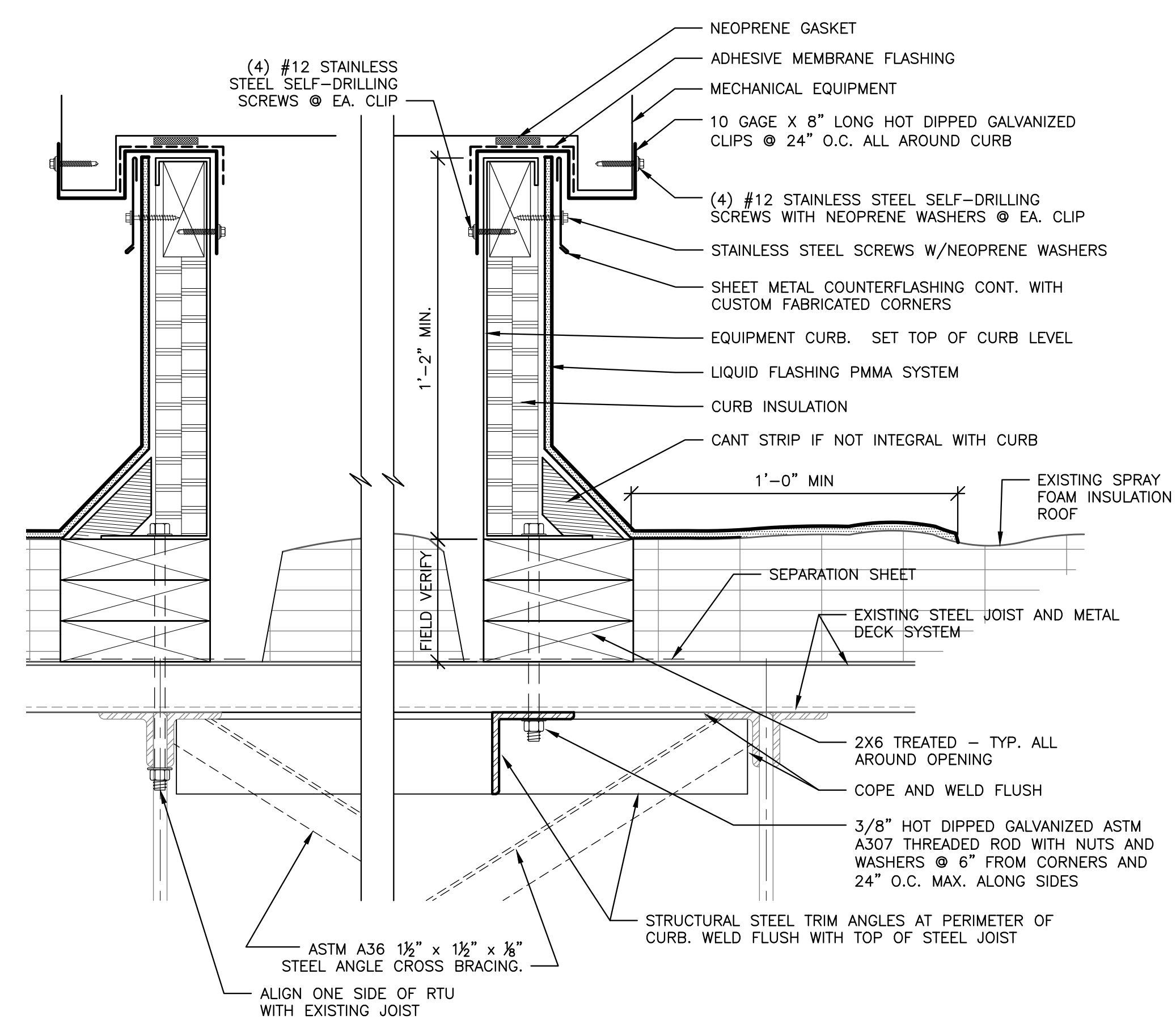
**ROOF PLAN**  
 DRAWING NUMBER  
**A7.0**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609



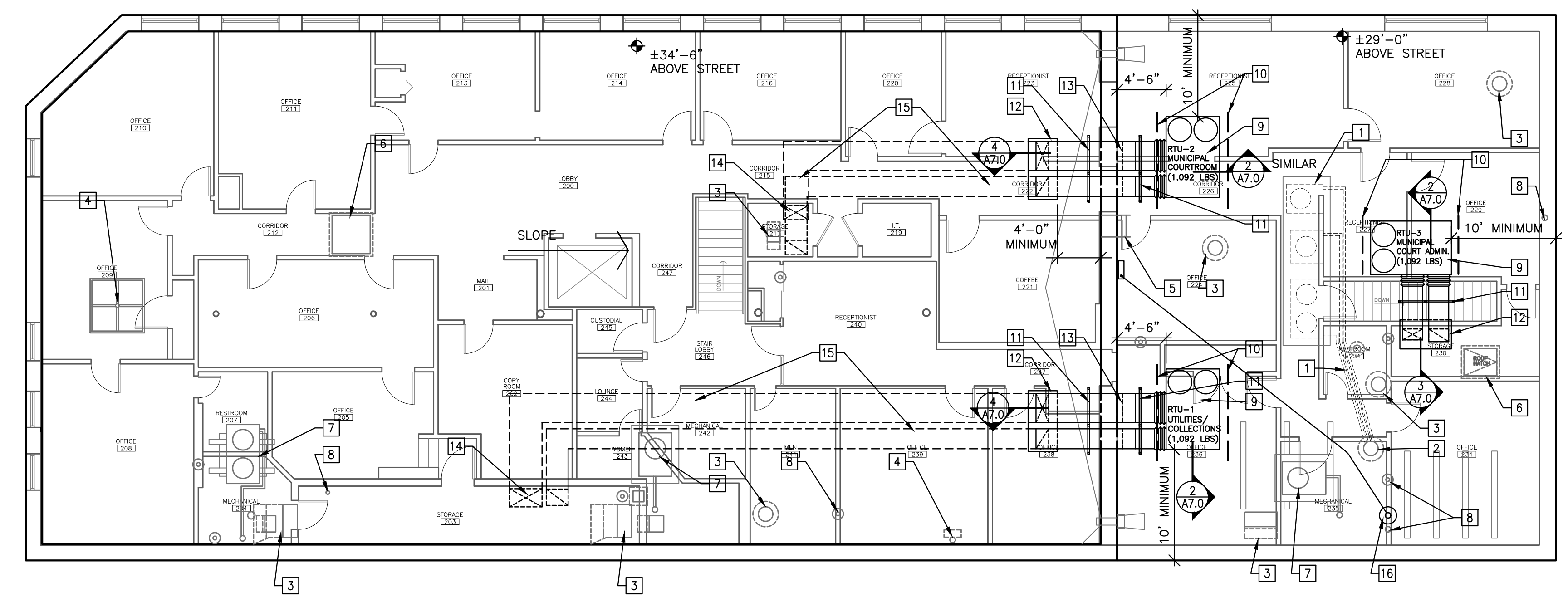
**4**  
**A7.0** DUCT/HIGH ROOF PENETRATION DETAIL  
 SCALE: 3"=1'-0"



**3**  
**A7.0** DUCT/LOW ROOF PENETRATION DETAIL  
 SCALE: 3"=1'-0"



**2**  
**A7.0** TYPICAL EQUIPMENT CURB DETAIL  
 SCALE: 3"=1'-0"



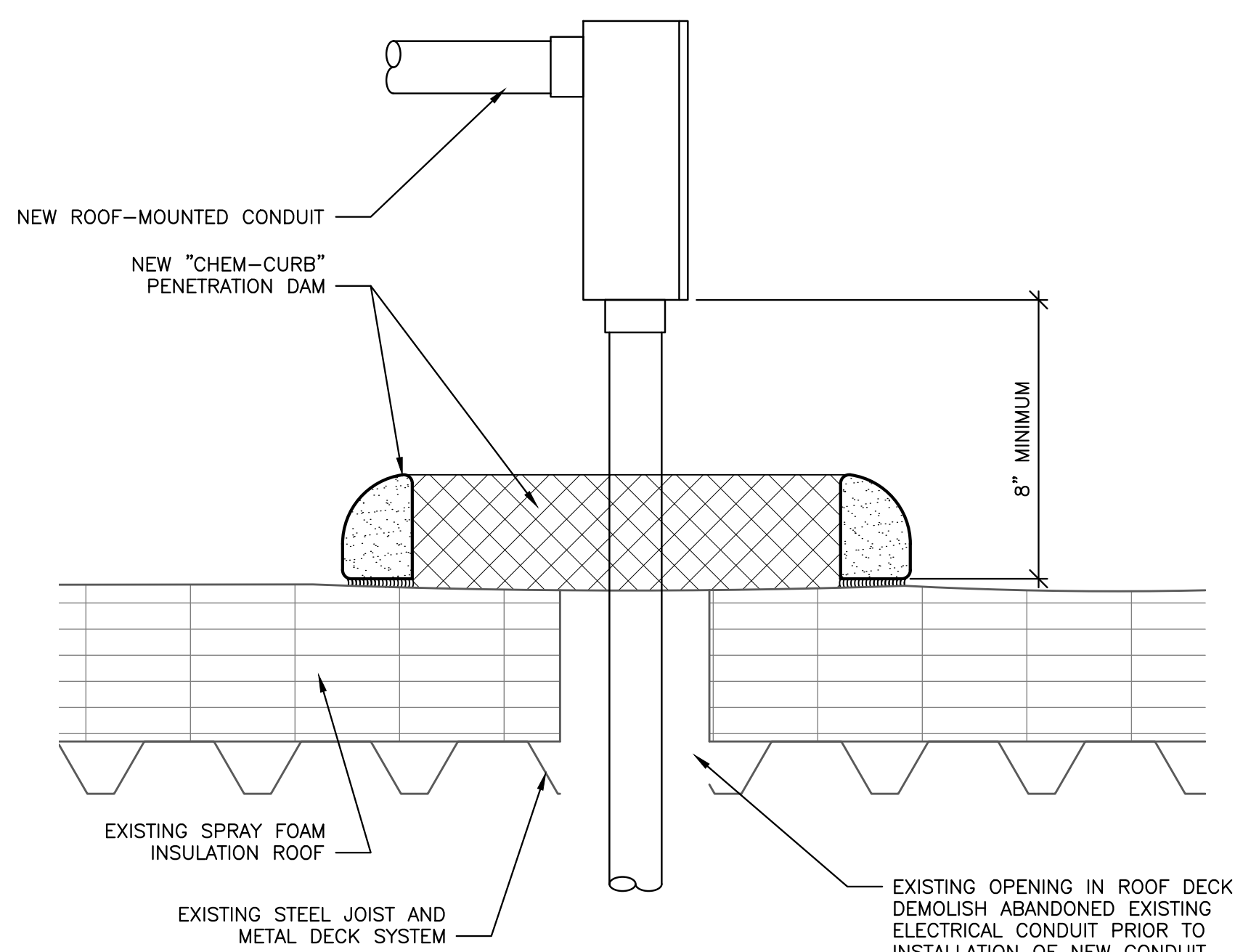
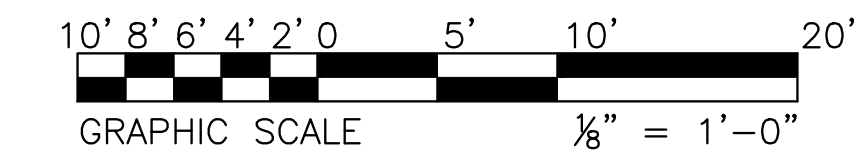
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**A7.0** ROOF PLAN  
 NEW WORK  
 SCALE: 1/8"=1'-0"

**FLOOR PLAN GENERAL NOTES**

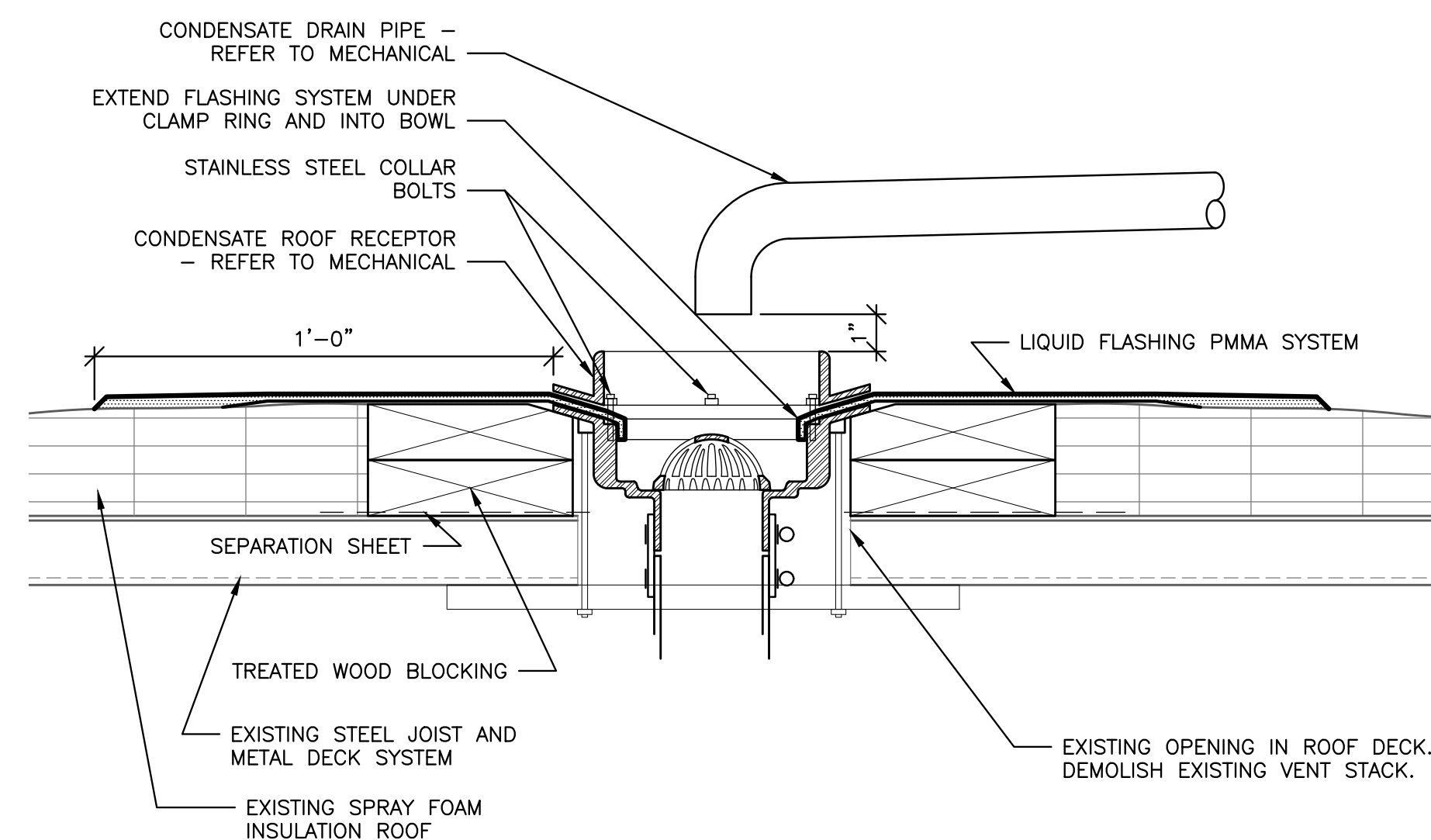
- A. EQUIPMENT AND ROOF FEATURE LOCATIONS ARE SCHEMATIC. FIELD VERIFY EXACT LOCATION OF NEW EQUIPMENT PRIOR TO INSTALLATION.
- B. PROTECT FROM DAMAGE EXISTING ROOF MATERIAL AND ROOF-MOUNTED EQUIPMENT TO REMAIN.
- C. WHEN MAKING PENETRATIONS IN EXISTING ROOF, REPORT DEGRADED STRUCTURAL CONDITIONS OR VISIBLE EXISTING ROOF LEAKS TO ARCHITECT.
- D. SECOND FLOOR PLAN SHOWN FADED FOR REFERENCE ONLY.

**KEYED NOTES**

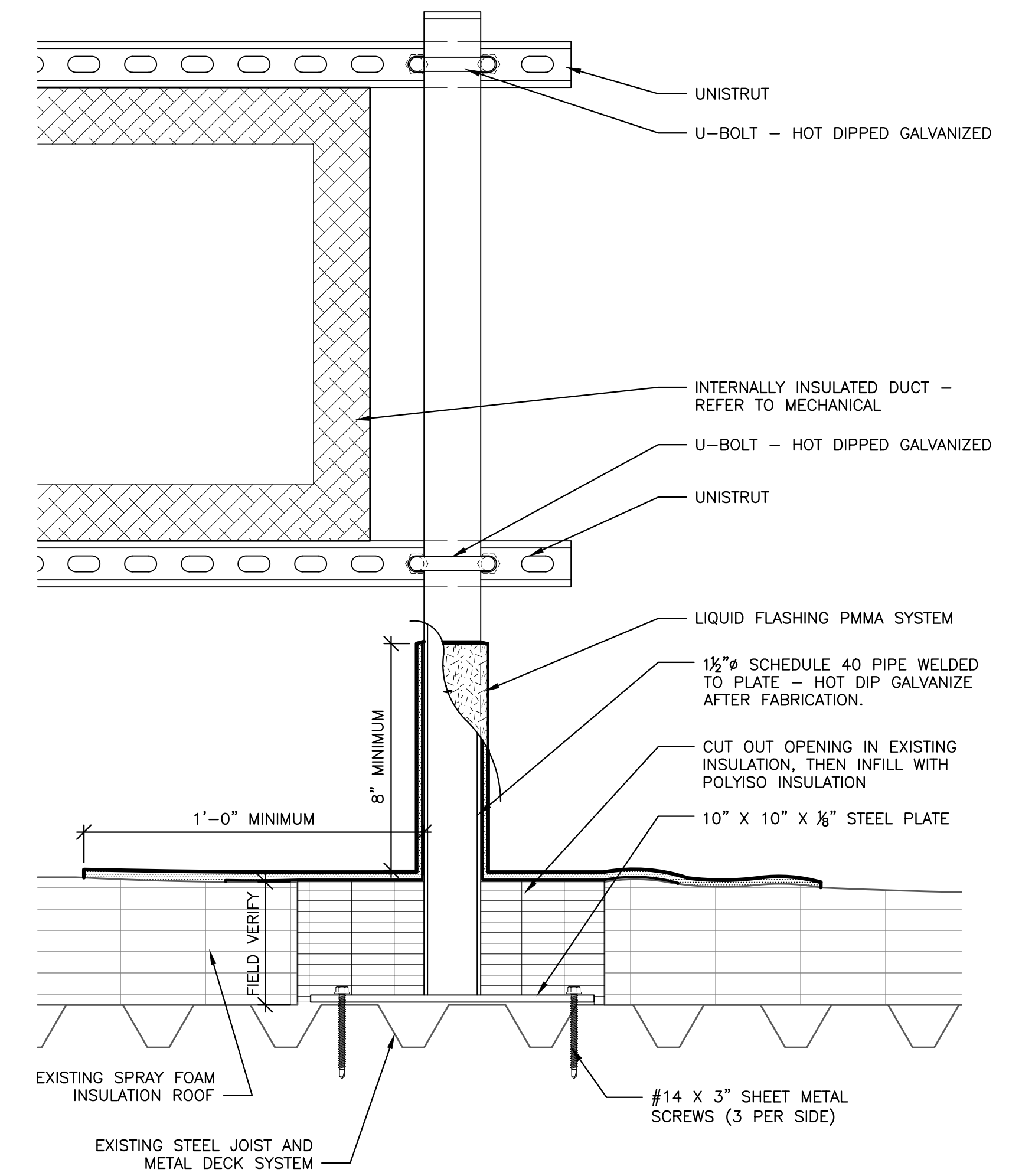
1. DEMOLISH EXISTING ROOF-MOUNTED AIR-COOLED CONDENSING UNITS AND ASSOCIATED ELECTRICAL, REFRIGERANT PIPING, ETC.
2. DEMOLISH EXISTING VENT CAP. PROVIDE NEW HUB DRAIN PER MECHANICAL/PLUMBING - REFER TO DETAIL 2/A7.1.
3. EXISTING MECHANICAL VENT CAP TO REMAIN.
4. EXISTING ROOF-MOUNTED ANTENNA TO REMAIN.
5. EXISTING LADDER UP TO HIGH ROOF TO REMAIN.
6. EXISTING ROOF ACCESS HATCH TO REMAIN.
7. EXISTING ROOF-MOUNTED CONDENSING UNIT TO REMAIN.
8. EXISTING PLUMBING VENT PIPE / CONDUIT PENETRATION TO REMAIN - TYPICAL.
9. NEW CURB-MOUNTED PACKAGED AIR CONDITIONING UNIT ON NEW ROOF-MOUNTED CURB. COORDINATE WITH MECHANICAL FOR EXACT PLACEMENT LOCATION AND ORIENTATION.
10. ASTM A36 1 1/2" X 1 1/2" X 1/8" STEEL ANGLE CROSS BRACING WELDED TO EXISTING JOISTS - TYPICAL AT ALL RTU'S.
11. DUCT SUPPORT - REFER TO DETAIL 1/A7.1.
12. DUCT PENETRATION CURB 32" X 54" SIZE (FIELD VERIFY) - REFER TO DETAIL 3/A7.0.
13. ROUTE NEW DUCTWORK UP AND OVER EXISTING MASONRY PARAPET WALL.
14. DROP DUCT DOWN TO FIRST FLOOR.
15. DUCT ROUTED IN SECOND FLOOR ATTIC SPACE.
16. NEW CONDUIT PENETRATION IN CHEM-CURB AT EXISTING CONDUIT PENETRATION - REFER TO DETAIL 3/A7.1.



**3**  
A7.1 CONDUIT PENETRATION  
AT EXISTING ROOF OPENING  
SCALE: 3"=1'-0"



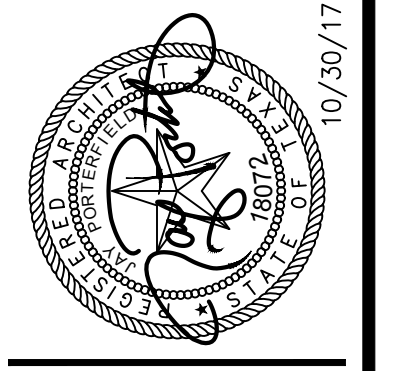
**2**  
A7.1 CONDENSATE DRAIN RECEPTOR  
AT EXISTING ROOF OPENING  
SCALE: 3"=1'-0"



**1**  
A7.1 TYPICAL DUCT SUPPORT ROOF DETAIL  
SCALE: 3"=1'-0"

J:\1609\DWG\1609 A7.0 ROOF PLAN.DWG

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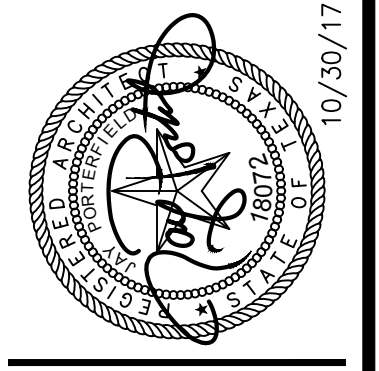
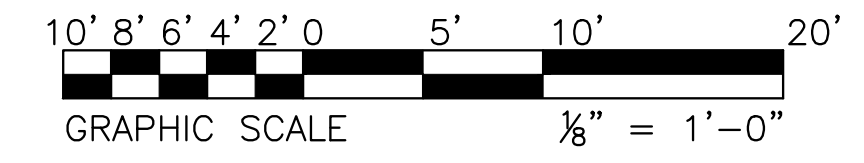
**CONSULTANTS**  
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(361) 886-8797

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS

DRAWING NUMBER  
**A7.1**  
OF 33  
DATE: 10/30/17  
COMM. NO.: 1609





**CONSULTANTS**  
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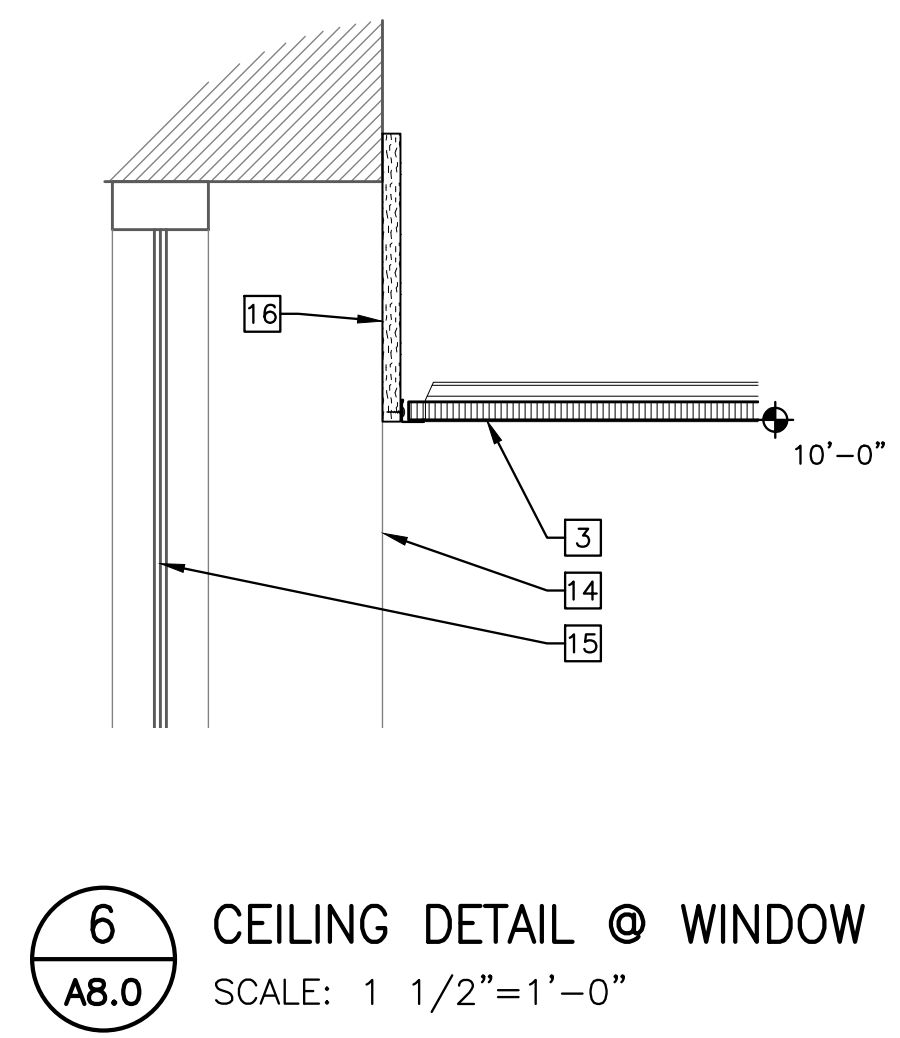
NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**FIRST FLOOR REFLECTED CEILING PLAN**

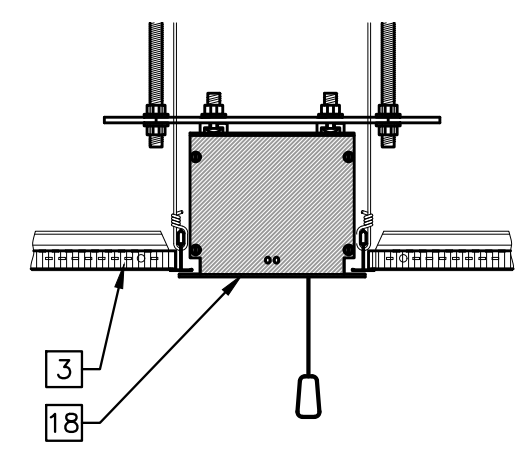
DRAWING NUMBER  
**A8.0**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609

### REFLECTED CEILING PLAN LEGEND

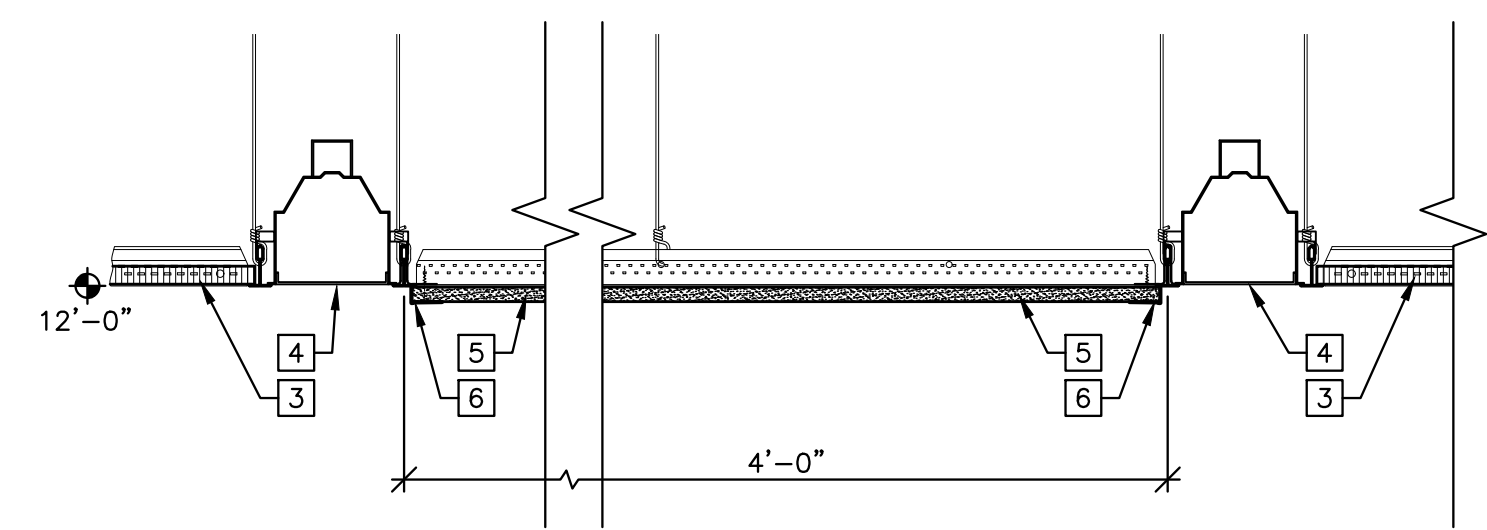
○ RECESSED "CAN" LIGHT FIXTURE	EXISTING 12"x12" SUSPENDED ACOUSTICAL CEILING
□ WALL MOUNTED LIGHT FIXTURE	EXISTING GYPSUM BOARD/PLASTER CEILING - PAINTED
⊠ 2X4 (NOMINAL) RECESSED LIGHT FIXTURE	GYPSUM BOARD CEILING - PAINTED
⊠ 2X2 (NOMINAL) RECESSED LIGHT FIXTURE	EXPOSED STRUCTURE
— LINEAR RECESSED LIGHT FIXTURE	2' X 2' SUSPENDED ACOUSTICAL CEILING
□ SURFACE MOUNTED LIGHT FIXTURE	INDICATES START FULL TILE WIDTH
⊙ WALL MOUNTED EXIT LIGHT	INDICATES CEILING HEIGHT ABOVE FINISHED FLOOR
⊙ CEILING MOUNTED EXIT LIGHT - EMERGENCY LIGHTS WHERE SCHEDULED	Ⓜ CEILING MOUNTED PROJECTOR ASSEMBLY BY OWNER; COORDINATE INSTALLATION REQUIREMENTS WITH OWNER
⊙ WALL MOUNTED EMERGENCY LIGHT	Ⓞ OCCUPANCY SENSOR



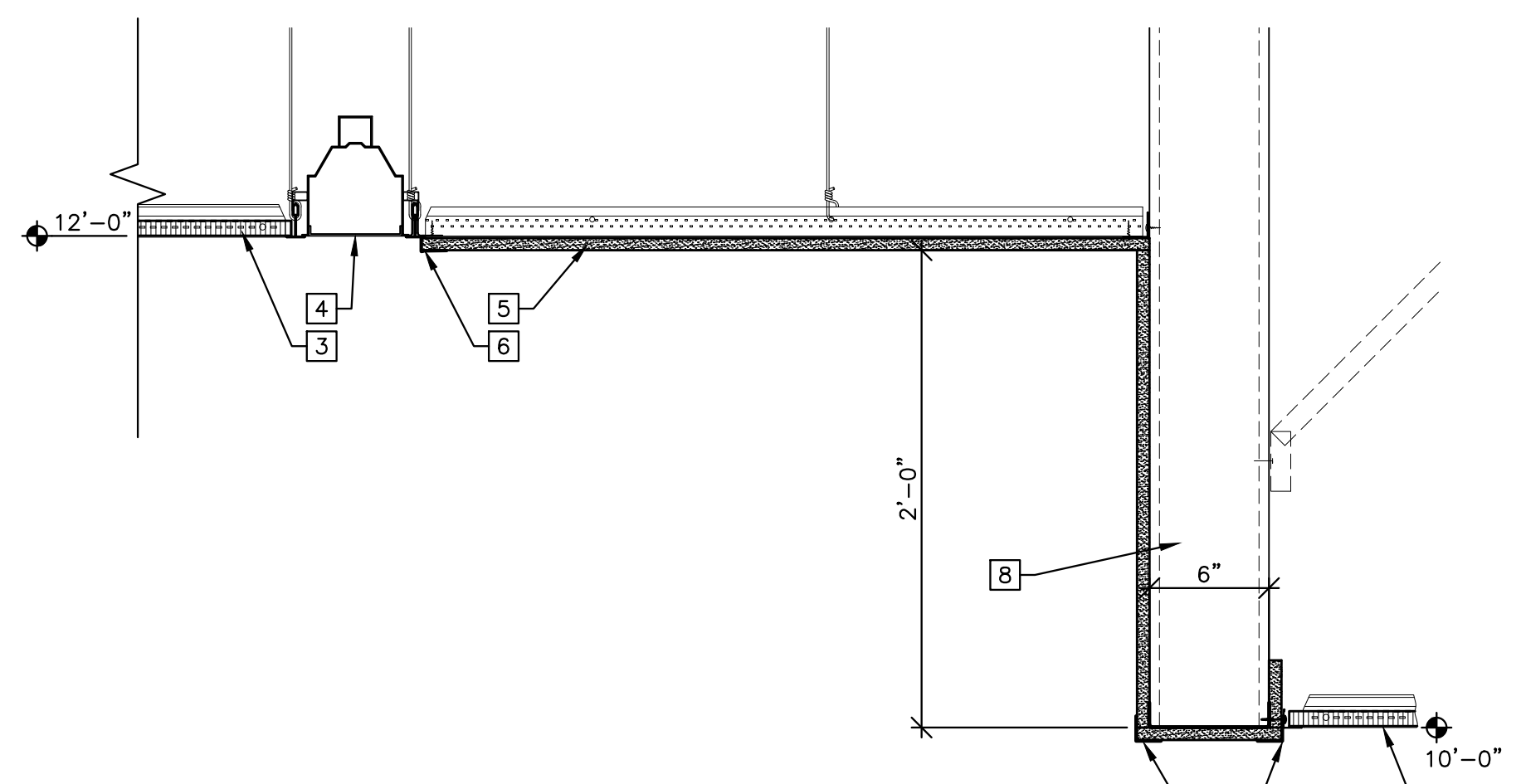
**7 PROJECTION SCREEN DETAIL**  
 SCALE: 1 1/2"=1'-0"



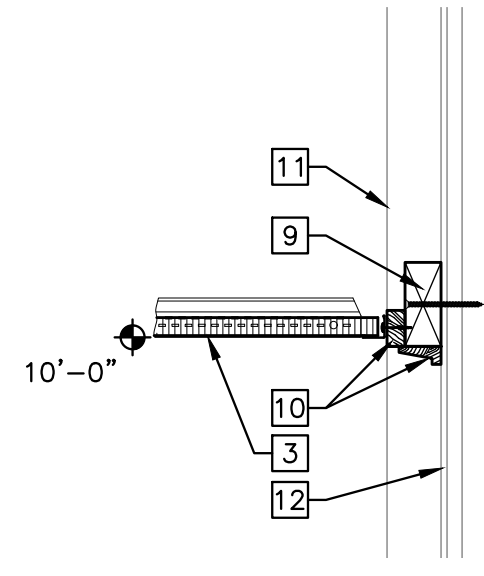
**6 CEILING DETAIL @ WINDOW**  
 SCALE: 1 1/2"=1'-0"



**5 CEILING TRANSITION DETAIL**  
 SCALE: 1 1/2"=1'-0"



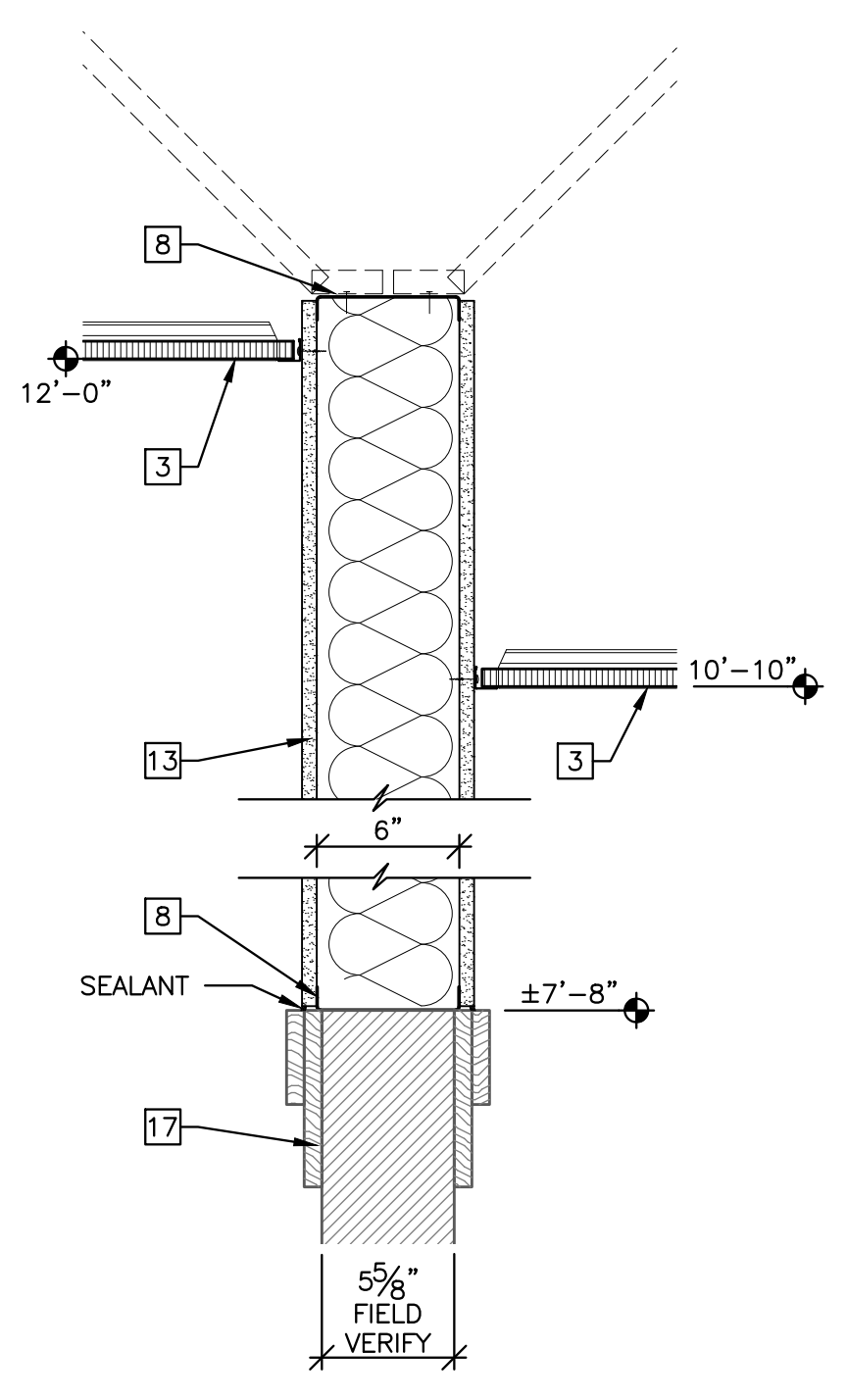
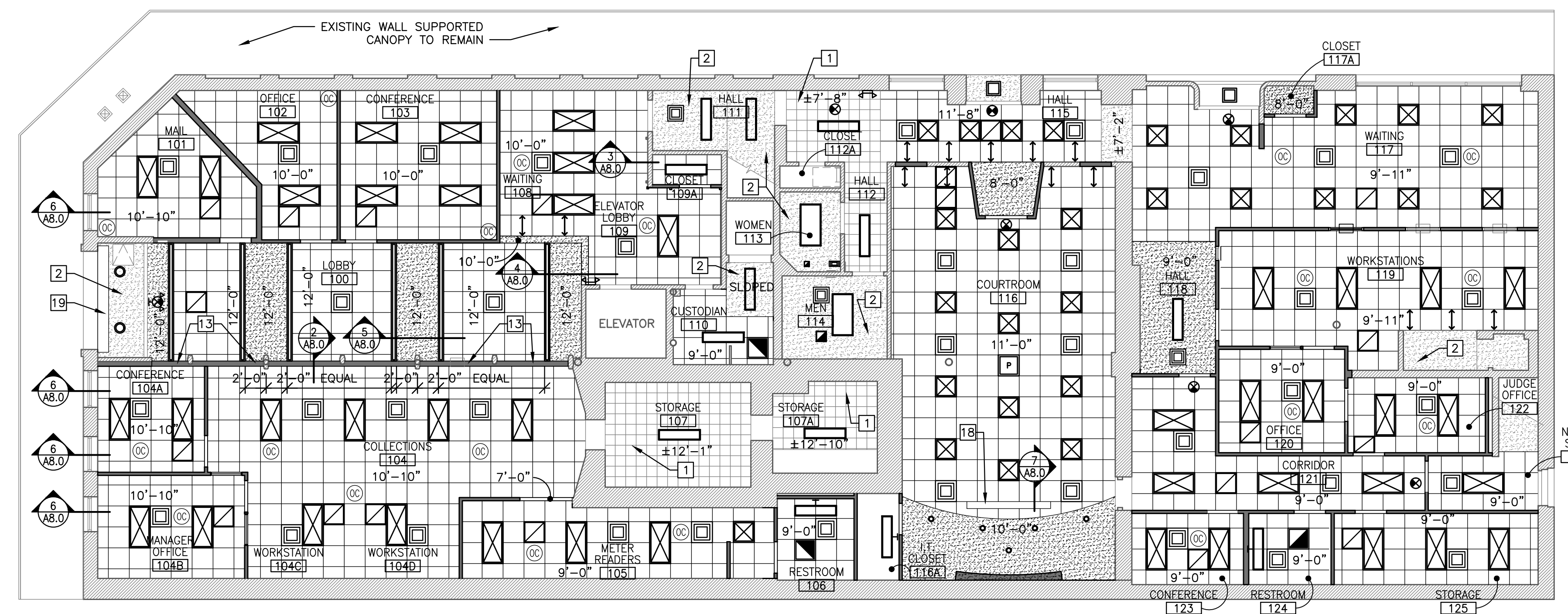
**4 CEILING TRANSITION DETAIL**  
 SCALE: 1 1/2"=1'-0"



**3 CEILING TRANSITION DETAIL**  
 SCALE: 1 1/2"=1'-0"

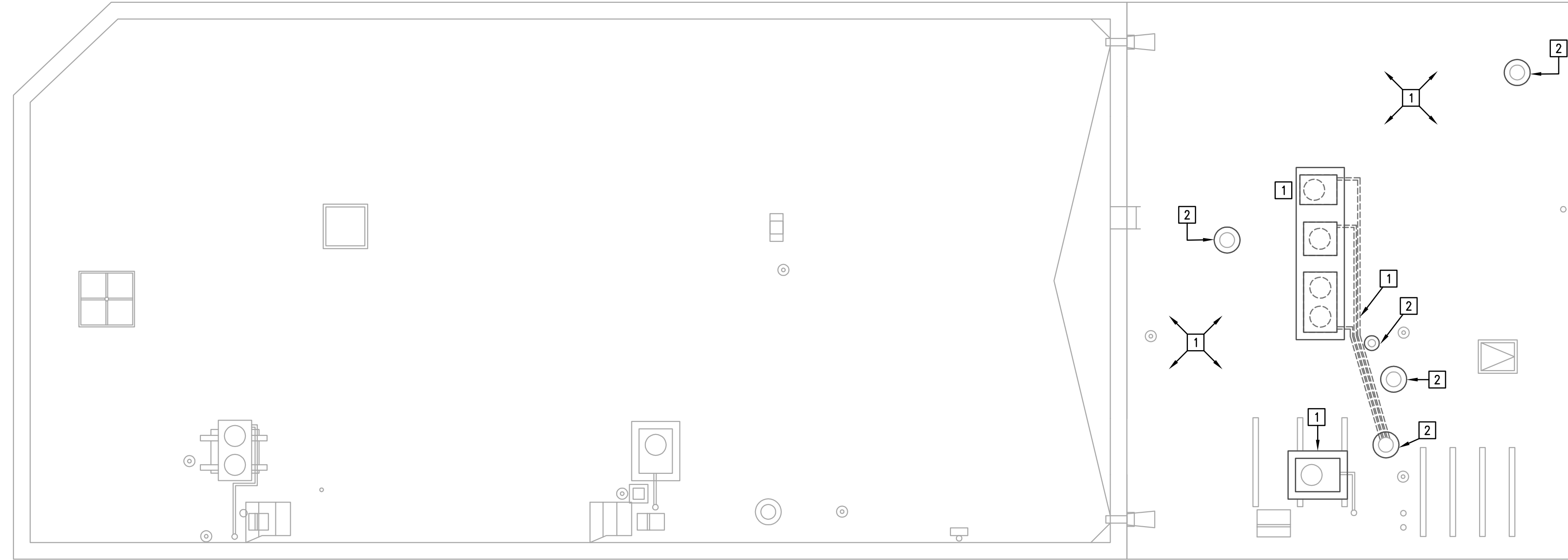
- GENERAL NOTES:**
- CEILING-MOUNTED LIGHTING CONTROLS SYSTEM DEVICES ARE SHOWN FOR REFERENCE, COORDINATE WITH ELECTRICAL DRAWINGS.
  - DO NOT ADJUST LOCATIONS OF LIGHT FIXTURES, HVAC COMPONENTS OR ARCHITECTURAL FEATURES WITHOUT APPROVAL OF ARCHITECT.
  - PROVIDE ADDITIONAL CROSS TEES REQUIRED FOR SUPPORT OF NON-MODULAR MEP COMPONENTS.

- KEYED NOTES:**
- EXISTING ACOUSTICAL CEILING TO REMAIN.
  - EXISTING GYPSUM BOARD/PLASTER CEILING TO REMAIN. REPAIR HOLES AND DAMAGE - PAINT.
  - SUSPENDED ACOUSTICAL CEILING GRID AND PANELS.
  - LINEAR RECESSED LIGHT FIXTURE - SUPPORT GRID ON EACH SIDE.
  - 5/8" GYPSUM BOARD ON SUSPENSION GRID SYSTEM.
  - GYPSUM BOARD "L" BEAD TRIM.
  - GYPSUM BOARD CORNER TRIM.
  - DRYWALL STUD FRAMING - BRACE AS REQUIRED.
  - 2X BLOCKING.
  - WOOD TRIM TO MATCH EXISTING.
  - WOOD TRIM BEYOND - COPE NEW TRIM INTO EXISTING.
  - EXISTING WOOD PANELING ON EXISTING PARTITION.
  - INFILL ON TOP OF EXISTING ±7'-8" TALL CMU WALL WITH DRYWALL PARTITION UP TO LOBBY CEILING. FILL CAVITY WITH ACOUSTICAL INSULATION.
  - EXISTING WALL/WINDOW JAMB BEYOND.
  - EXISTING WINDOW.
  - WHITE PLASTIC LAMINATE CLAD PANEL.
  - EXISTING CMU WALL WITH WOOD TRIM AT TOP.
  - RECESSED ELECTRIC PROJECTION SCREEN WITH SELF-TRIMMING FLANGE. SUPPORT FROM STRUCTURE INDEPENDENT FROM CEILING SUSPENSION SYSTEM.
  - NEW ALUMINUM COVER PLATE.



**2 TOP OF PARTITION DETAIL**  
 SCALE: 1 1/2"=1'-0"

**1 FIRST FLOOR REFLECTED CEILING PLAN NEW WORK**  
 SCALE: 1/8"=1'-0"





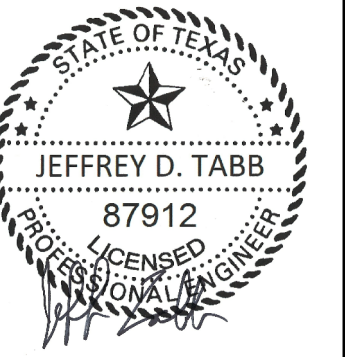
**MEP1.0** **MEP ROOF PLAN - DEMO**  
 1/8"=1'-0"

**GENERAL MECHANICAL DEMO NOTES**

- A. COORDINATE DEMOLITION WORK WITH ELECTRICAL AND OTHER DISCIPLINES AS REQUIRED.
- B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE DISCOVERED THE FULL SCOPE OF WORK INVOLVED WITH THE MODIFICATION OF THIS EXISTING SPACE. THE SCOPE OF THE WORK SHALL INCLUDE ALL MATERIALS FOR A COMPLETE INSTALLATION INCLUDING DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED TO ACCOMMODATE THE INDICATED REMODELING. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS. ALL HVAC SHOWN ARE TAKEN FROM AS-BUILT HARDCOPY AND MUST BE FIELD VERIFIED.
- C. WHEN AN EQUIPMENT IS IDENTIFIED TO BE REMOVED, THE OWNER HAS FIRST RIGHT OF REFUSAL BEFORE DISPOSING OF THAT EQUIPMENT. PROVIDE OWNER ONE WEEK NOTICE PRIOR TO DEMOLITION.
- D. PROVIDE ALL NECESSARY CLEAR PATH TO MOVE DEMOLISHED EQUIPMENT OUT OF THE FACILITY AS WELL TO BRING NEW EQUIPMENT INTO THE BUILDING. MODIFY EXISTING PIPING, DUCTWORK CONDUITS, AS REQUIRED TO COMPLETE THE DEMOLITION.

**MECHANICAL KEYED NOTES**

- 1 ALL EXISTING CONDENSING EQUIPMENT AND ASSOCIATED REFRIGERANT PIPING/SUPPORTS ON ROOF THAT SERVE FIRST LEVEL SHALL BE DEMOLISHED. ALL EXISTING ROOF MOUNTED EQUIPMENT SERVING THE SECOND FLOOR SHALL REMAIN. CONTRACTOR SHALL FIELD VERIFY PRIOR TO DEMOLITION.
- 2 EXISTING ROOF CAP TO REMAIN. CAP AND SEAL ALL ROOF CAPS NOT REPURPOSED.



10/30/2017

NO.	DATE	DESCRIPTION

Statewide Firm: amtech  
 Compression

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**MEP ROOF PLAN - DEMO**

DRAWING NUMBER

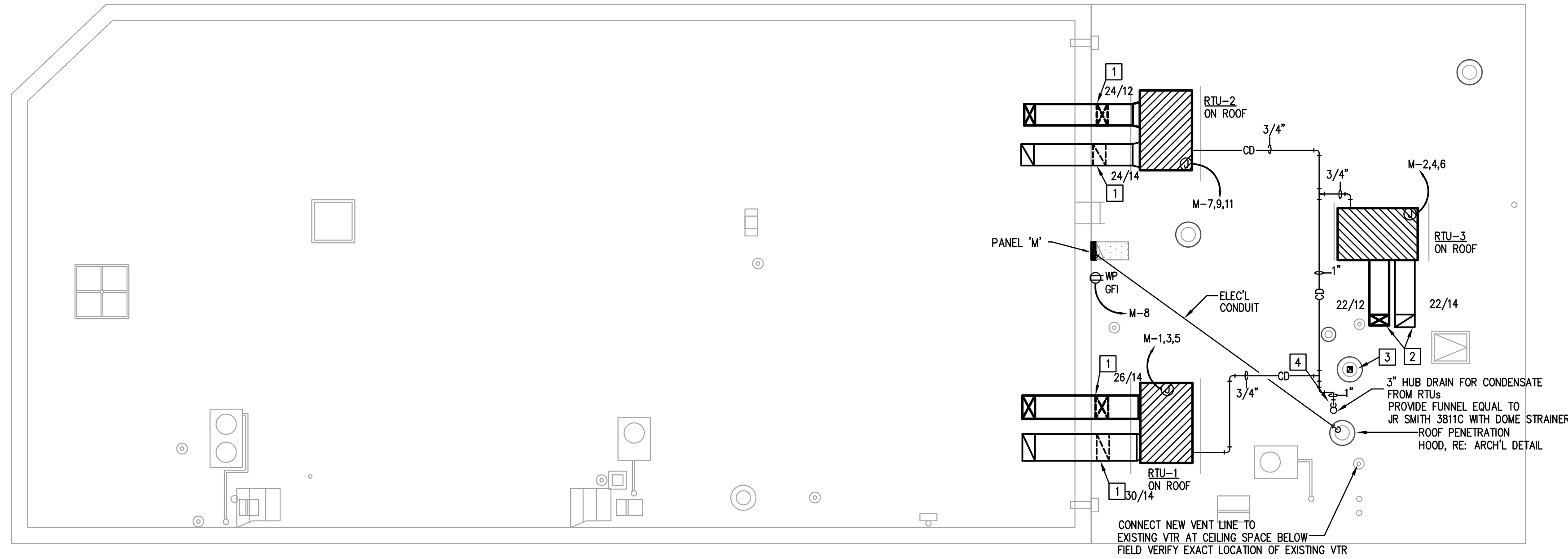
**MEP1.0**

OF 33

DATE: 10/30/17

COMM. NO.: 1609





MEP ROOF PLAN  
MEP2.0  
1/8"=1'-0"

**GENERAL MECHANICAL NOTES**

- A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION OF EQUIPMENT, DUCTS, AND GRILLES ETC. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT COMPLETE MECHANICAL SYSTEMS BE FURNISHED, INSTALLED, TESTED AND READY FOR OPERATION WHETHER OR NOT EVERY ITEM OF EQUIPMENT, ACCESSORY, DEVICE, ETC. IS SHOWN. REFERENCE SHALL BE MADE TO THE FULL DRAWING PACKAGE INCLUDING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR COORDINATION AND POTENTIAL CONFLICTS. THE MECHANICAL SUBCONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICTS WITH OTHER TRADES, OR FOR PROPER EXECUTION OF THE WORK. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTWORK.
- B. DUCT DIMENSIONS INDICATED ON DRAWINGS ARE CLEAR INSIDE AIR STREAM DIMENSIONS.
- C. ALL NEW A/C EQUIPMENT SHALL BE CLEANED AFTER THE FINISHING OF DRYWALL AND PRIOR TO THE RELEASE OF BUILDING TO OWNER. MECHANICAL CONTRACTOR TO PROVIDE DOCUMENTATION WITH DATE AND TIME OF UNIT CLEANING.
- D. PROVIDE DUCT-MOUNTED SMOKE DETECTOR IN SUPPLY AND RETURN DUCT FOR ROOF TOP UNITS SUPPLYING 2000 CFM AND GREATER.

**MECHANICAL KEYED NOTES**

- 1 ROUTE SIDE DISCHARGE SUPPLY AND RETURN DUCTWORK AT UP AND OVER PARAPET WALL THEN DOWN THROUGH ROOF. ROUTE DUCTWORK ABOVE 2ND LEVEL CEILING. REFER TO 2ND LEVEL FOR CONTINUATION. COORDINATE FINAL LOCATION OF ROOF PENETRATION WITH ALL BUILDING COMPONENTS.
- 2 ROUTE SIDE DISCHARGE SUPPLY AND RETURN DUCTWORK DOWN THROUGH CHASE. REFER TO 2ND LEVEL FOR CONTINUATION.
- 3 ROUTE EXHAUST DUCT UP AND CONNECT TO EXISTING ROOF CAP. PROVIDE DUCT TRANSITIONS NECESSARY TO CONNECT TO EXISTING ROOF CAP OPENING.
- 4 ROUTE CONDENSATE AS SHOWN ON PLAN TO HUB DRAIN. COORDINATE ROUTING WITH ALL DISCIPLINES.



10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**MEP ROOF PLAN**

DRAWING NUMBER  
**MEP2.0**  
OF 33

DATE: 10/30/17  
COMM. NO.: 1609



**ABBREVIATIONS (NOT ALL ITEMS INDICATED APPLY TO THIS PROJECT)**

A	
A	AIR (COMPRESSED)
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT AIR COMPRESSOR
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AMERICAN REFRIGERANT INSTITUTE
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AV	ACID VENT, AIR VENT
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

D	
D	DEPTH, DRAIN, DRYER
DB	DRY BULB
DC	DOUBLE DUCT CONSTANT VOLUME, DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DESIG	DESIGNATION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPR	DAMPER
DS	DOWNSPOUT, DOUBLE SUCTION
DV	DOUBLE DUCT VAV
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION

E	
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EDF	ELECTRIC DRINKING FOUNTAIN
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR EMERGENCY ENCLOSURE
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ES	END SUCTION, EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE EXPANSION TANK
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAP	EVAPORATOR
EWB	ENTERING WET BULB
EWI	ENTERING WATER TEMPERATURE
EX	EXPLOSION-PROOF
EXT	EXTERNAL
EXTG	EXISTING

F	
F	FAHRENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCD	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATION
FCU	FAN COIL UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FDS	FIRE DEPARTMENT SIAMSESE
FDV	FIRE DEPARTMENT VALVE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FL	FLOW LINES
FLR	FLOOR
FP	FIRE PUMP
FPT	FAN POWERED TERMINAL
FRZR	FREEZER
FS	FLOW SWITCH, FIRE SPRINKLER
FSK	FLOOR SINK
FT	FOOT, FEET
FUT	FUTURE

G	
G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSH	GRAND SENSIBLE HEAT
GTH	GRAND TOTAL HEAT
GV	GATE VALVE

H	
HB	HOSE BIBB
HD	HEAD, HUB DRAIN
HE	HEAT EXCHANGER
HF	HUMIDIFIER
HORIZ	HORIZONTAL
HP	HORSEPOWER, HALON PANEL
HPU	HEAT PUMP UNIT
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPLIT CASE
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HZ	HERTZ

I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
INSUL	INSULATION
INT	INTERNAL, INTERIOR
IW	INDIRECT WASTE

J	
JB	JUNCTION BOX
JP	JOCKEY PUMP

K	
KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT-AMPS
KW	KILOWATT

L	
L	LENGTH, LAVATORY
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE

M	
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED
MU	MAKE-UP
MVD	MANUAL VOLUME DAMPER

N	
N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE

O	
OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OCU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OPEN STEM AND YOLK

P	
P	PUMP, PLUMBING EQUIPMENT
PC	PLUMBING CONTRACTOR
PCR	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP, PLANTER DRAIN
PH	PHASE, POST HYDRANT
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNEU	PNEUMATIC
PNL	PANEL
PNH	PENTHOUSE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRI	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q	
QTY	QUANTITY

R	
RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILL
RAT	RETURN AIR TEMPERATURE
ROP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE, REFER
RECIRC	RECIRCULATE
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RKVA	RUNNING KILOVOLT-AMPS
RKW	RUNNING KILOWATTS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM, REFRIGERATION MACHINE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S	
S	STEAM
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SAG	SUPPLY AIR GRILLE
SAN	SANITARY SEWER
SAR	SUPPLY AIR REGISTER
SC	STEAM CONDENSATE
SCHED	SCHEDULED
SCR	SILICON CONTROLLED RECTIFIER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SH	SHEETMETAL
SK	SINK
SKVA	STARTING KILOVOLT-AMPS
SKW	STARTING KILOWATTS
SM	SHEETMETAL
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SO	SQUARE
SS	SERVICE SINK
SSD	SUBSURFACE DRAIN
SSFU	SANITARY SEWER FIXTURE UNITS
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT

**MECHANICAL PIPING SYMBOLS**

—CWS—	CONDENSER WATER SUPPLY		STRAINER WITH BLOW DOWN VALVE
—CWR—	CONDENSER WATER RETURN		GATE VALVE, HVAC BALANCING/STOP VALVE
—CHS—	CHILLED WATER SUPPLY		GLOBE VALVE
—CHR—	CHILLED WATER RETURN		BALL VALVE
—CD—	CONDENSATE DRAIN LINE		BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
	CAP ON END OF PIPE		OS&Y VALVE
	ELBOW UP		CHECK VALVE
	ELBOW DOWN		BUTTERFLY VALVE
	VALVE IN DROP		TWO-WAY MODULATING CONTROL VALVE
	VALVE IN RISE		THREE-WAY MODULATING CONTROL VALVE
	DIRECTION OF FLOW		SOLENOID VALVE
	DIRECTION OF SLOPE DOWN		PRESSURE REDUCING VALVE
	CONCENTRIC REDUCER		GAS REGULATOR
	ECCENTRIC REDUCER		GAS COOK
	TEE OUTLET UP		SPRINKLER FLOOR CONTROL STATION
	TEE OUTLET DOWN		MANUAL AIR VENT
	UNION		AUTOMATIC AIR VENT
	FLANGE		T&P RELIEF VALVE
	PIPE ANCHOR		PRESSURE GAUGE WITH GAUGE COOK
	EXPANSION JOINT		STEAM TRAP
	PRESSURE AND TEMPERATURE TAP		WATER METER
	FLOW VENTURI		FLEXIBLE CONNECTION
	VACUUM BREAKER		
	VACUUM RELIEF VALVE		
	BACKFLOW PREVENTOR		
	THERMOMETER		
	CIRCULATING PUMP		

**T**

TC	TEMPERATURE CONTROL
TCC	TEMPERATURE CONTROL COMPRESSOR
TD	TRENCH DRAIN
TF	TRANSFER FAN
TDH	TOTAL DYNAMIC HEAD
TH BLK	THRUST BLOCK
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL

U	
U	URNAL
UCD	UNDER CUT DOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
U/F	UNDERFLOOR
U/S	UNDERSLAB

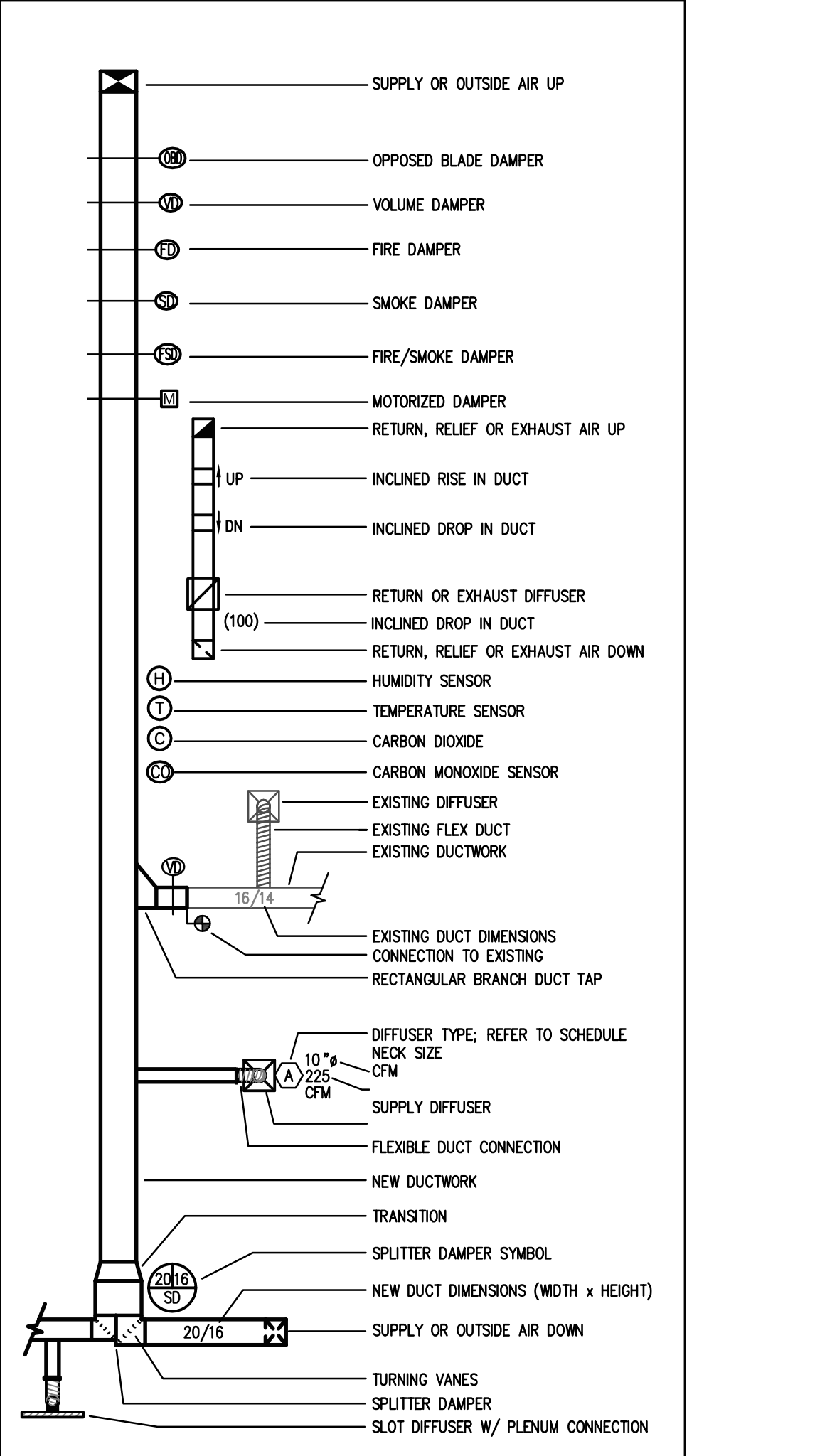
V	
V	VOLT, VENT
VA	VOLT- AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX, VACUUM BREAKER
VCP	VITRIFIED CLAY PIPE
VD	VOLUME DAMPER
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VD	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VR	VARIABLE AIR VOLUME REHEAT
VTR	VENT THRU ROOF

W	
W	WATT, WASTE, WIDTH, WASHER
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATERTIGHT, WEIGHT

Y	
Y	YARD HYDRANT

Z	
Z	ZONE

**DUCTWORK SYMBOLS - NEW**



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 JT MG JB TL JL

STATE OF TEXAS  
 JEFFREY D. TABB  
 87912  
 PROFESSIONAL ENGINEER  
 10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**MECHANICAL SYMBOLS AND ABBREVIATIONS**

DRAWING NUMBER  
**M0.0**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609

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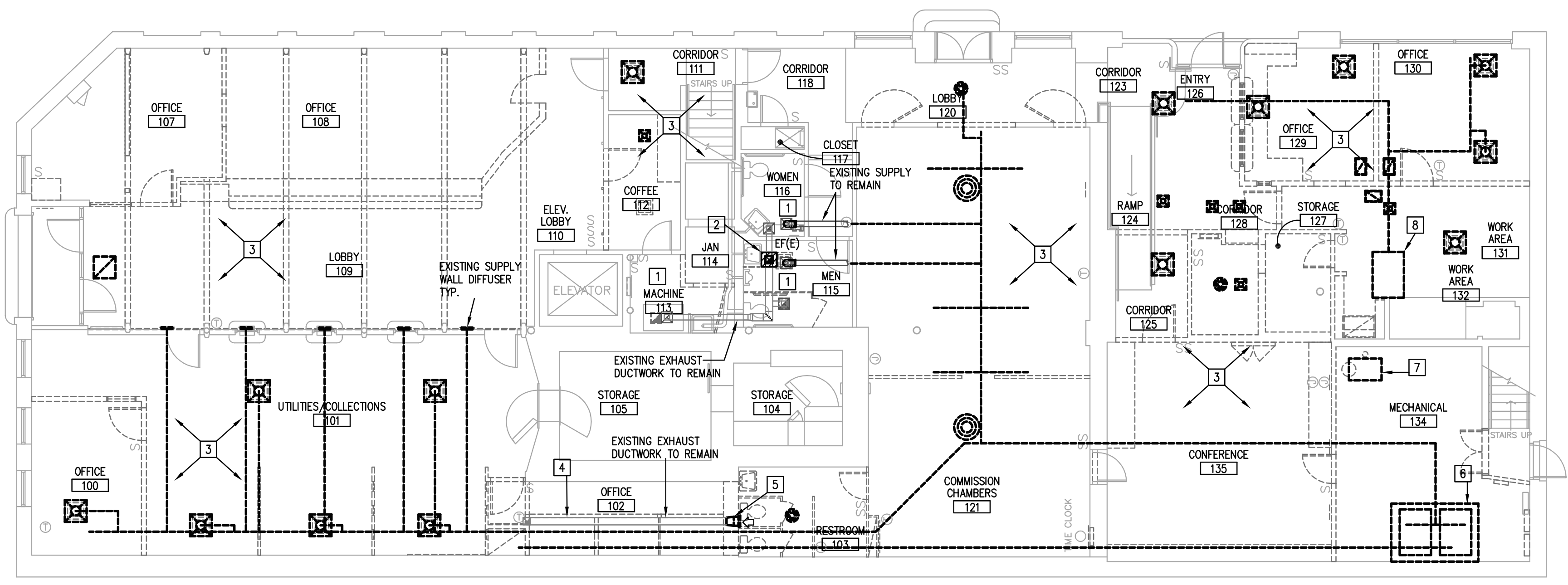


**MECHANICAL GENERAL DEMO NOTES**

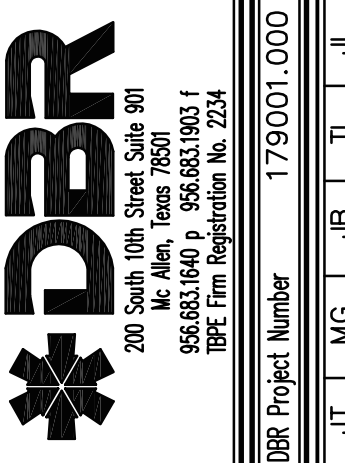
- A. COORDINATE DEMOLITION WORK WITH ELECTRICAL AND OTHER DISCIPLINES AS REQUIRED.
- B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED EXISTING JOBSITE CONDITIONS DURING THE BIDDING PERIOD, SO THEY WILL HAVE DISCOVERED THE FULL SCOPE OF WORK INVOLVED WITH THE MODIFICATION OF THIS EXISTING SPACE. THE SCOPE OF THE WORK SHALL INCLUDE ALL MATERIALS FOR A COMPLETE INSTALLATION INCLUDING DEVICES, EQUIPMENT, OR APPARATUS WHICH MUST BE REROUTED, RELOCATED, OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED TO ACCOMMODATE THE INDICATED REMODELING. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS. ALL HVAC SHOWN ARE TAKEN FROM AS-BUILT HARDCOPY AND MUST BE FIELD VERIFIED.
- C. WHEN AN EQUIPMENT IS IDENTIFIED TO BE REMOVED, THE OWNER HAS FIRST RIGHT OF REFUSAL BEFORE DISPOSING OF THAT EQUIPMENT. PROVIDE OWNER ONE WEEK NOTICE PRIOR TO DEMOLITION.
- D. PROVIDE ALL NECESSARY CLEAR PATH TO MOVE DEMOLISHED EQUIPMENT OUT OF THE FACILITY AS WELL TO BRING NEW EQUIPMENT INTO THE BUILDING. MODIFY EXISTING PIPING, DUCTWORK CONDUITS, AS REQUIRED TO COMPLETE THE DEMOLITION.

**MECHANICAL DEMO KEYED NOTES**

- 1. DUCTWORK AND AIR DEVICES SHOWN IN WOMEN 116, MEN 115, AND MACHINE ROOM 113 SHALL REMAIN. TEMPORARILY CAP AND SEAL. REFER TO M2.0 FOR NEW WORK IN THESE AREAS.
- 2. EXISTING EXHAUST FAN SHALL BE DEMOLISHED. ALL ASSOCIATED EXHAUST DUCTWORK TO REMAIN. REFER TO M2.0 FOR NEW WORK.
- 3. DEMOLISH EXISTING AIR DEVICES, EXISTING DUCTWORK, AND ALL ASSOCIATED CONTROLS UNLESS OTHERWISE NOTED TO REMAIN. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING AIR DEVICES, DUCTWORK AND CONTROLS. NOT ALL EXISTING CONDITIONS ARE NECESSARILY INDICATED ON THE DRAWINGS. SITE VISIT PRIOR TO BIDDING IS REQUIRED TO DETERMINE FULL SCOPE OF WORK.
- 4. EXISTING EXHAUST DUCTWORK AND EXISTING EXHAUST FAN SHALL REMAIN. EXISTING ROOF CAP SHALL REMAIN. CONTRACTOR TO FIELD VERIFY LOCATION AND ROUTING OF DUCTWORK TO ROOF. SITE VISIT PRIOR TO BIDDING IS REQUIRED TO DETERMINE FULL SCOPE OF WORK.
- 5. EXISTING WALL AIR DEVICE SHALL DEMOLISHED. TEMPORARILY CAP AND SEAL EXHAUST DUCTWORK. REFER TO M2.0 FOR NEW WORK.
- 6. EXISTING AIR HANDLING UNIT, ASSOCIATED ROOF MOUNTED CONDENSING UNITS, REFRIGERANT PIPING, HOUSEKEEPING PAD, AND ASSOCIATED DUCTWORK SHALL BE DEMOLISHED.
- 7. DEMOLISH EXISTING BOILER AND VENT AND ALL ASSOCIATED PIPING AND APPURTENANCES.
- 8. EXISTING AIR HANDLING UNIT ABOVE CEILING, ASSOCIATED ROOF MOUNTED CONDENSING UNITS, REFRIGERANT PIPING, AND ASSOCIATED DUCTWORK SHALL BE DEMOLISHED.



1 FIRST FLOOR MECHANICAL DEMO PLAN  
 1/8"=1'-0"



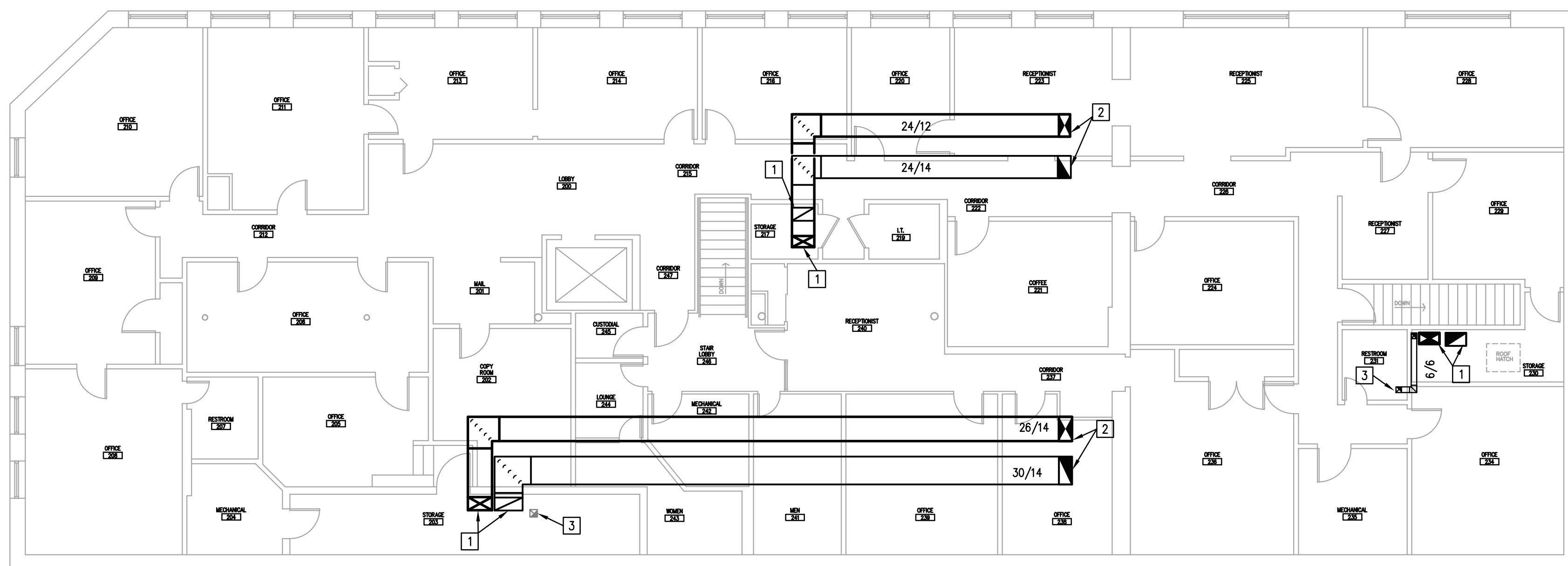
NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**FIRST FLOOR MECHANICAL DEMO PLAN**

DRAWING NUMBER  
**M1.0**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609









**SECOND FLOOR MECHANICAL PLAN**  
 1/8"=1'-0"

**GENERAL MECHANICAL NOTES**

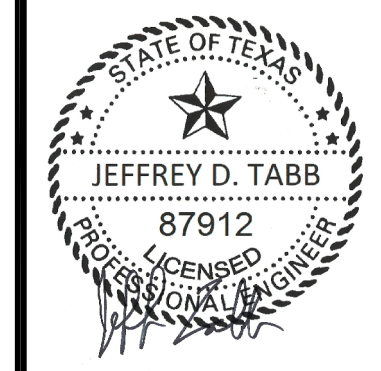
- A. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL LOCATION OF EQUIPMENT, DUCTS, AND GRILLES ETC. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT COMPLETE MECHANICAL SYSTEMS BE FURNISHED, INSTALLED, TESTED AND READY FOR OPERATION WHETHER OR NOT EVERY ITEM OF EQUIPMENT, ACCESSORY, DEVICE, ETC. IS SHOWN. REFERENCE SHALL BE MADE TO THE FULL DRAWING PACKAGE INCLUDING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR COORDINATION AND POTENTIAL CONFLICTS. THE MECHANICAL SUBCONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICTS WITH OTHER TRADES, OR FOR PROPER EXECUTION OF THE WORK. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTWORK.
- B. DUCT DIMENSIONS INDICATED ON DRAWINGS ARE CLEAR INSIDE AIR STREAM DIMENSIONS.
- C. ALL NEW A/C EQUIPMENT SHALL BE CLEANED AFTER THE FINISHING OF DRYWALL AND PRIOR TO THE RELEASE OF BUILDING TO OWNER. MECHANICAL CONTRACTOR TO PROVIDE DOCUMENTATION WITH DATE AND TIME OF UNIT CLEANING.
- D. PROVIDE DUCT-MOUNTED SMOKE DETECTOR IN SUPPLY AND RETURN DUCT FOR ROOF TOP UNITS SUPPLYING 2000 CFM AND GREATER.

**MECHANICAL KEYED NOTES**

- 1 SUPPLY AND RETURN DUCTWORK FROM LEVEL BELOW. ROUTE ABOVE CEILING.
- 2 ROUTE DUCTWORK UP THROUGH ROOF. COORDINATE WITH STRUCTURAL PRIOR TO ROOF PENETRATION. REFER TO MEP ROOF PLAN FOR CONTINUATION OF DUCTWORK.
- 3 ROUTE EXHAUST DUCT UP TO EXISTING ROOF CAP OPENING. REFER TO MEP ROOF PLAN FOR CONTINUATION. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF EXISTING ROOF CAP OPENING.

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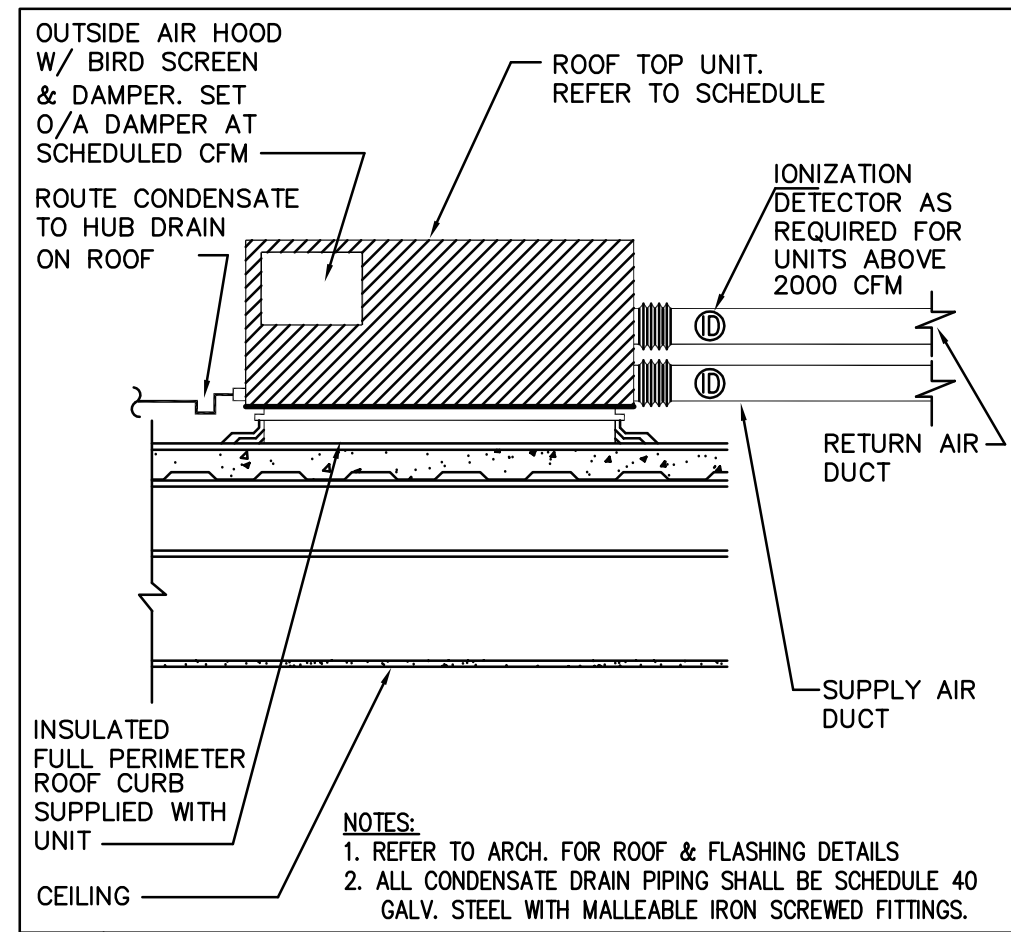


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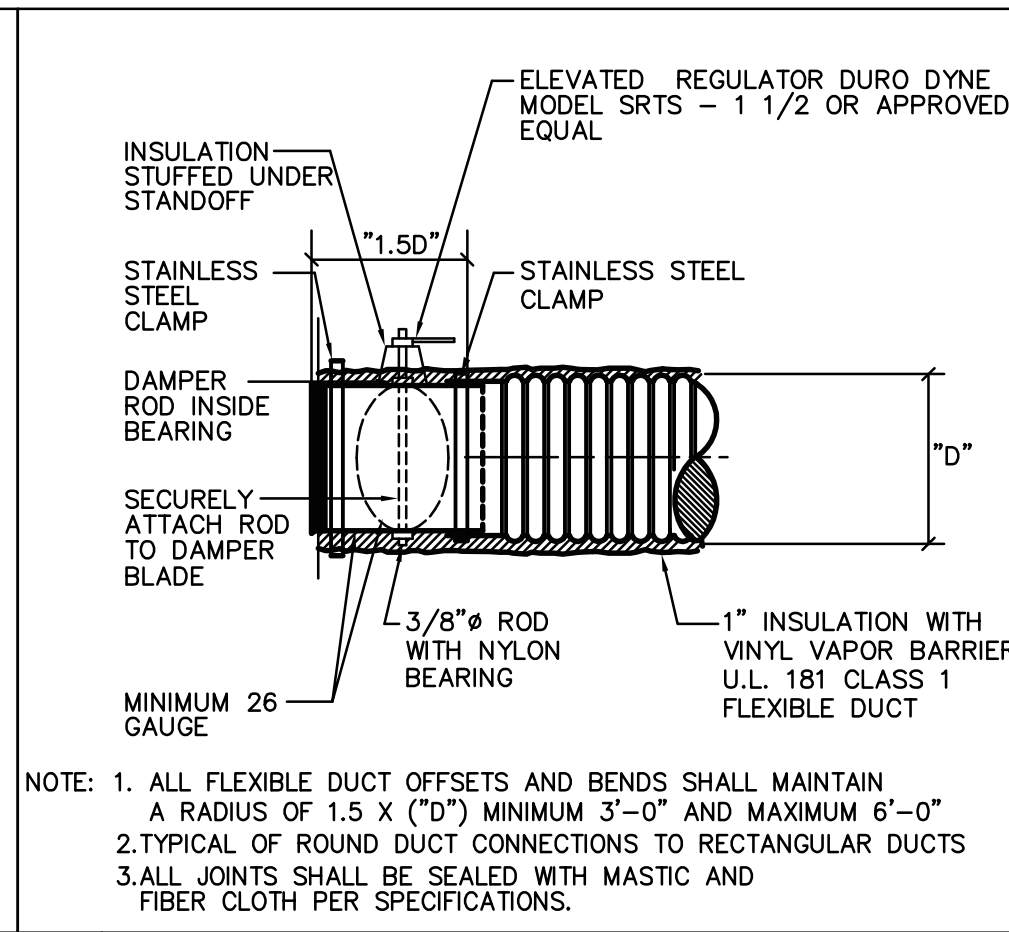
NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**SECOND FLOOR MECHANICAL PLAN**

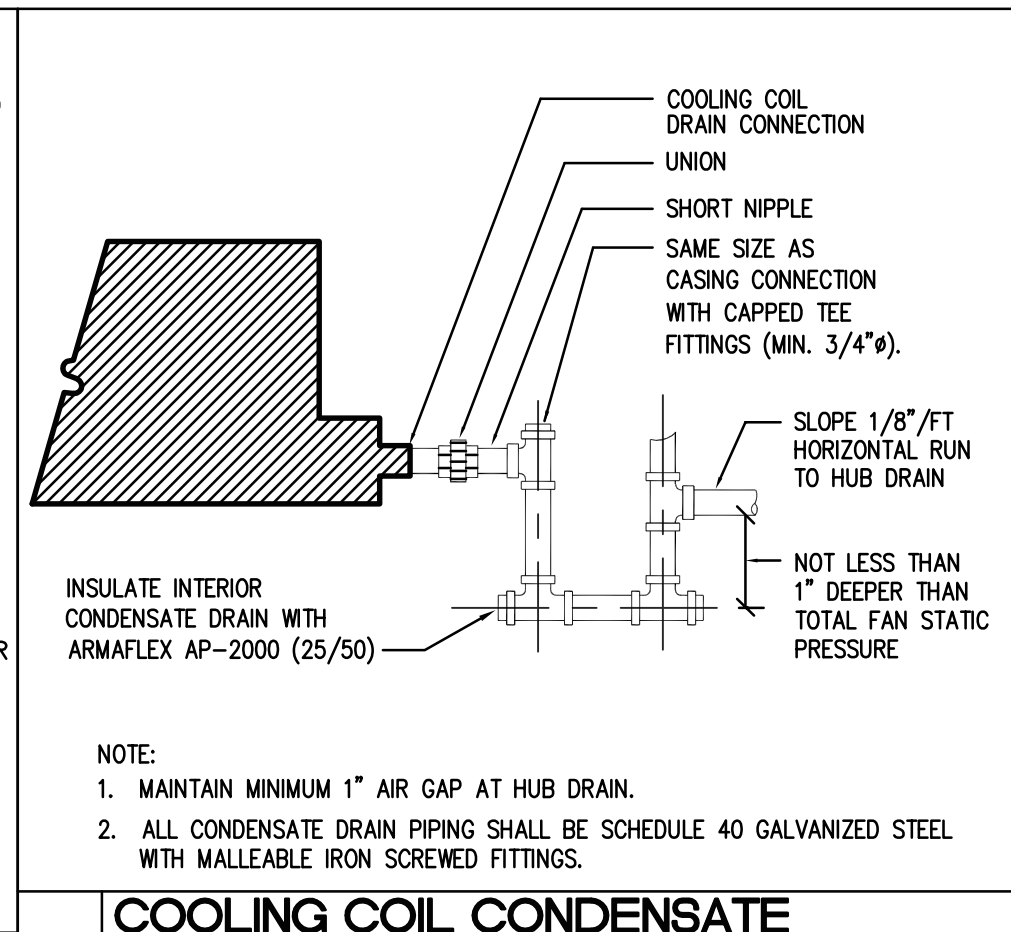
DRAWING NUMBER  
**M3.0**  
 OF 33  
 DATE: 10/30/17  
 COMM. NO.: 1609



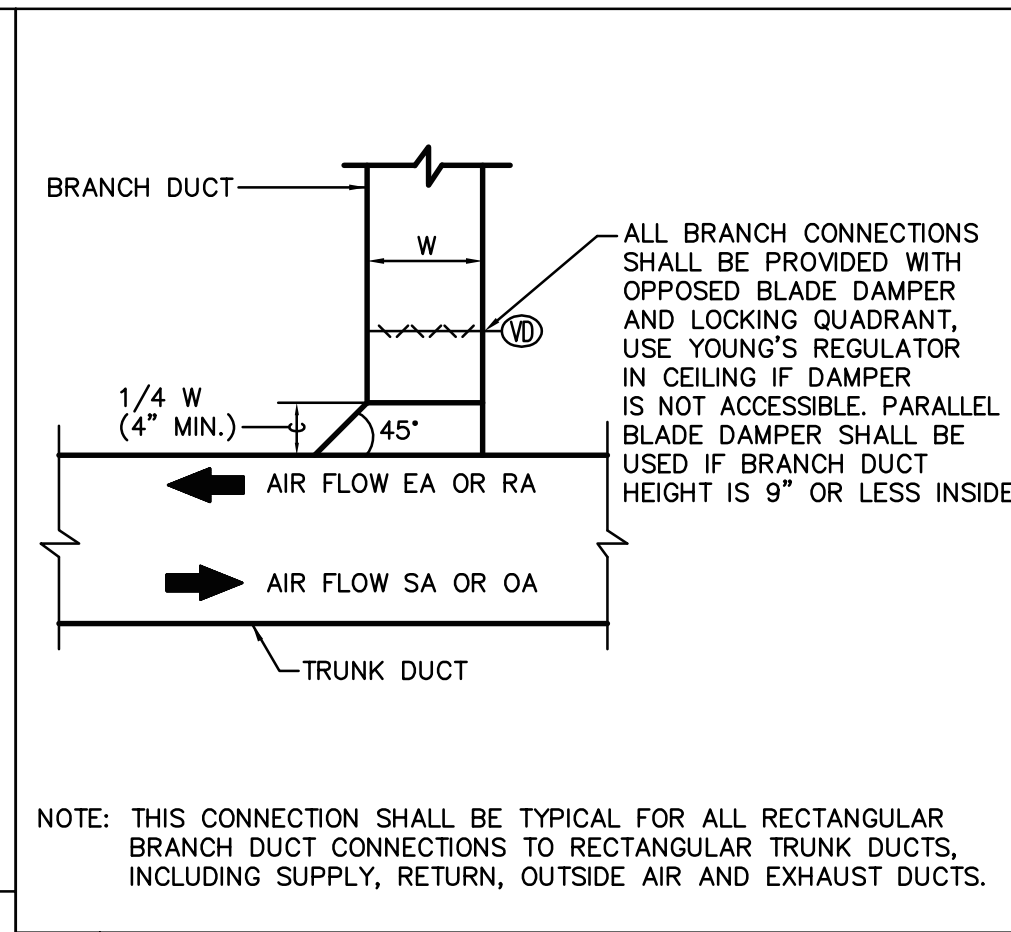
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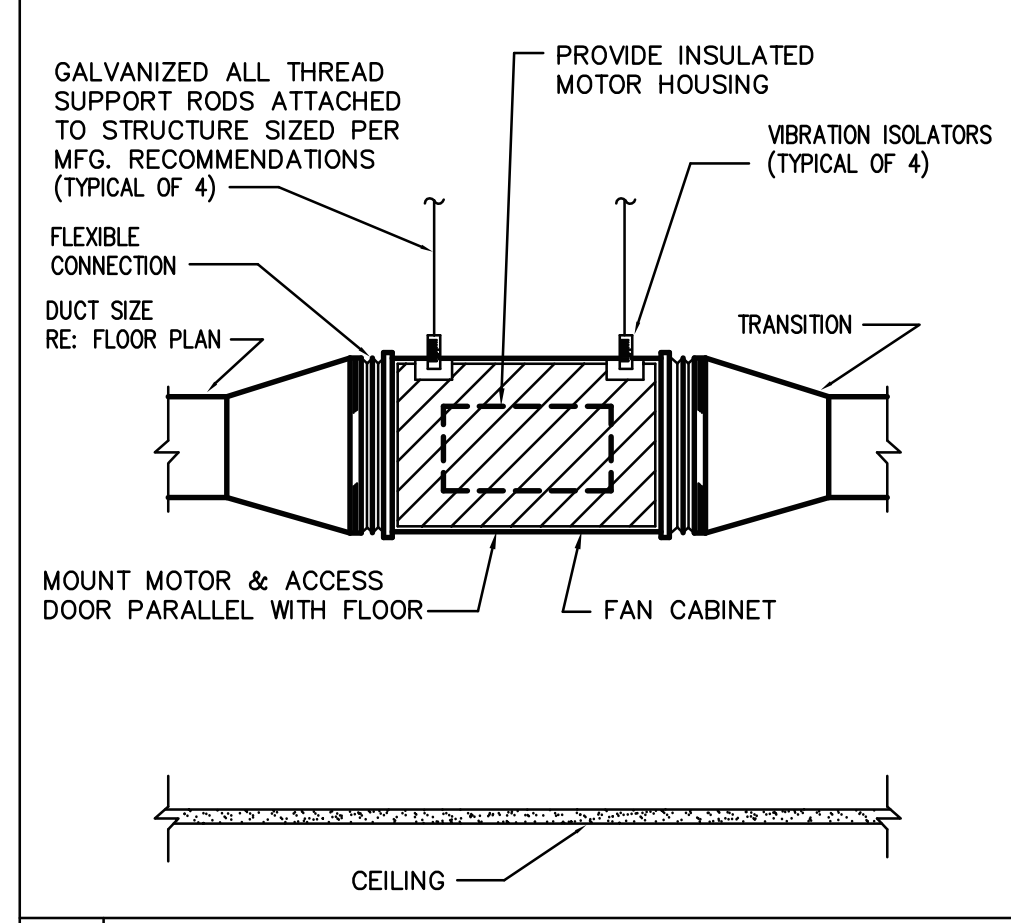
**2 SPIN-IN DETAIL**  
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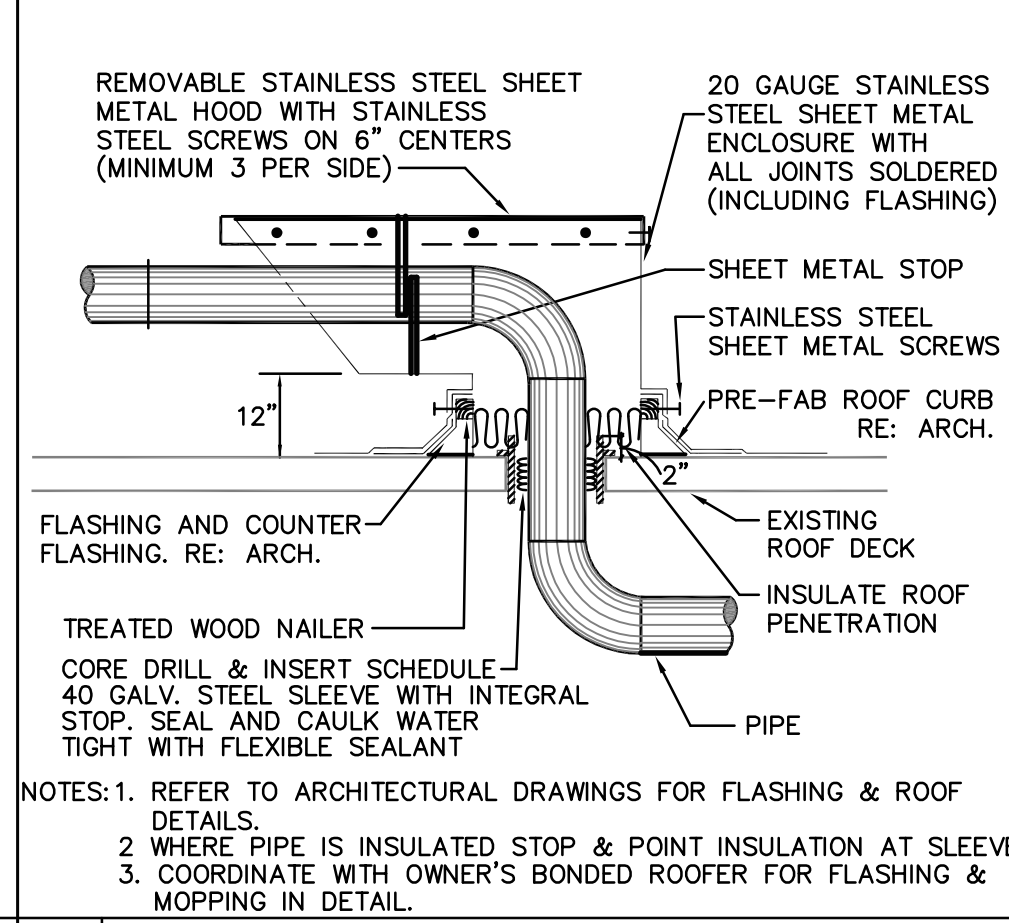
**3 COOLING COIL CONDENSATE DRAIN**  
NOT TO SCALE MPCE300.DWG



**4 RECTANGULAR BRANCH DUCT TAP**  
NOT TO SCALE



**5 IN-LINE EXHAUST FAN DETAIL**  
NOT TO SCALE



**6 EXISTING ROOF PIPE PENETRATION**  
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10/30/2017

NO.	DATE	DESCRIPTION

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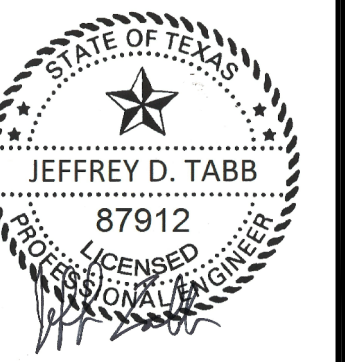
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AIR DEVICE SCHEDULE				
MARK	MANUFACTURER/MODEL	TYPE	NC	REMARKS
A	TITUS/TMS-AA	24"X24" SUPPLY	25	ALUMINUM CONSTRUCTION. NECK SIZES AS INDICATED BELOW UNLESS NOTED ON PLAN.
B	TITUS/50F	24"X24" EGGCRATE RETURN	20	ALUMINUM CONSTRUCTION. PROVIDE DAMPER FOR EXHAUST.
C	TITUS/350FL	SIDEWALL RETURN	20	ALUMINUM CONSTRUCTION. SEE MECHANICAL PLAN FOR SIZE. PROVIDE DAMPER FOR EXHAUST.
NOTES:				
1. PROVIDE STANDARD WHITE FINISH FOR ALL AIR DEVICES UNLESS NOTED OTHERWISE ON PLAN.				
2. PAINT ALL SURFACES VISIBLE THROUGH FACE OF RETURN AIR GRILLES FLAT BLACK. THIS SHALL INCLUDE PIPING, CONDUIT, DUCTWORK, AND STRUCTURAL MEMBERS.				
3. PROVIDE FRAME FOR MOUNTING AIR DEVICE IN LAY-IN GRID CEILING UNLESS REFLECTED CEILING PLAN INDICATES HARD CEILING. IN AREAS WITH HARD CEILINGS, PROVIDE FRAMES FOR SURFACE MOUNTING.				
4. UNLESS OTHERWISE NOTED, BRANCH DUCTS SERVING AIR DEVICES SHALL BE SAME SIZE AS NECK OF AIR DEVICE.				
FOR ROUND NECK DIFFUSERS:				
6" DIA: 0-120 CFM				
8" DIA: 125-220 CFM				
10" DIA: 225-380 CFM				
12" DIA: 385-600 CFM				

FAN SCHEDULE			
MARK	EF-1	EF-2	EF-3
SERVES	I.T. CLOSET 116A	CUSTODIAN/RRs	RESTROOM 125
CFM	75	275	75
E.S.P. (IN W.G.)	0.375	0.375	0.375
TYPE	INLINE	INLINE	INLINE
DIRECT/BELT DRIVE	DIRECT	DIRECT	DIRECT
FAN RPM	1,075	1,050	1,075
MOTOR HORSEPOWER	35 W	1/6	35 W
VOLTS/PHASE/HERTZ	115/1/60	115/1/60	115/1/60
SONES	1.4	6.4	1.4
MANUFACTURER	COOK	COOK	COOK
MODEL NO.	GN-148	90SQND10D	GN-148
NOTES	1, 2, 3, 5	1, 2, 3, 4	1, 2, 3, 4
NOTES:			
1. PROVIDE FACTORY MOUNTED DISCONNECT.			
2. PROVIDE SPEED CONTROLLER.			
3. PROVIDE VIBRATION ISOLATION.			
4. INTERLOCK FAN WITH LIGHTS.			
5. INTERLOCK WITH THERMOSTAT TO MAINTAIN 85°F (ADJUSTABLE).			

ROOFTOP UNIT SCHEDULE (ELECTRIC HEAT)			
MARK	RTU-1	RTU-2	RTU-3
SERVES	UTILITY	COURT	COURT / ADMIN
SUPPLY AIR (CFM)	2,855	2,000	1,870
OUTSIDE AIR (CFM)	261	313	181
EXT. SP. (IN W.G.)	1	1	1
TOTAL COOLING (MBH)	83.5	81.9	66.6
SENSIBLE COOLING (MBH)	65.2	50.2	47.0
ENTERING AIR TEMP. DB/WB (F)	76.2 / 63.6	77.9 / 66.4	76.4 / 63.9
LEAVING AIR TEMP. DB/WB (F)	55.1 / 53.7	54.7 / 52.8	52.3 / 51.1
AMBIENT TEMP. (F)	100	100	100
TOTAL HEATING (KW) / STAGES	13.5 / 2	13.5 / 2	13.5 / 2
ENTERING AIR TEMP. DB (F)	66.5	64.4	66.5
LEAVING AIR TEMP. DB (F)	81.4	85.7	90.1
VOLTS/PHASE/HERTZ	208 / 3 / 60	208 / 3 / 60	208 / 3 / 60
MCA	58.8	53.3	55.3
MOCP	60	60	60
MANUFACTURER	JOHNSON CONTROLS	JOHNSON CONTROLS	JOHNSON CONTROLS
MODEL	J07ZR	J07ZR	J06ZR
NOMINAL TONS	7.5	7.5	6.5
S.E.E.R./E.E.R. (ARI)	12.5 / 11.2	12.5 / 11.2	12.5 / 11.2
WEIGHT (LBS)	1,092	1,092	1,084
NOTES	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8
NOTES:			
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.			
2. PROVIDE FACTORY MOUNTED CONDENSER COIL HAIL GUARD.			
3. PROVIDE CO2 OUTSIDE AIR CONTROL WITH MODULATING OUTSIDE AIR DAMPERS.			
4. PROVIDE ECONOMIZER CONTROL WITH POWER EXHAUST.			
5. PROVIDE HOT GAS REHEAT COIL.			
6. PROVIDE PROGRAMMABLE THERMOSTAT/HUMIDISTAT WITH LOCKABLE COVER.			
7. PROVIDE FACTORY APPLIED CONDENSER COATING PROVIDING 3,000 HOUR SALT SPRAY RESISTANCE PER ASTM B117-90.			
8. PROVIDE UNIT WITH HORIZONTAL SUPPLY AND RETURN.			
9. PROVIDE DUCT-MOUNTED SMOKE DETECTOR ON SUPPLY AND RETURN DUCTWORK ON UNITS GREATER THAN 2000 CFM. PROVIDE RELAY TO SHUT OFF UNIT UPON SMOKE DETECTION. INTERFACE WITH FIRE ALARM.			



10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION  
MECHANICAL SCHEDULES**

200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS

DRAWING NUMBER

**M5.0**

OF 33

DATE: 10/30/17

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**SOLKANAVATORMO, LLC architects**

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DBR Project Number 179001.000

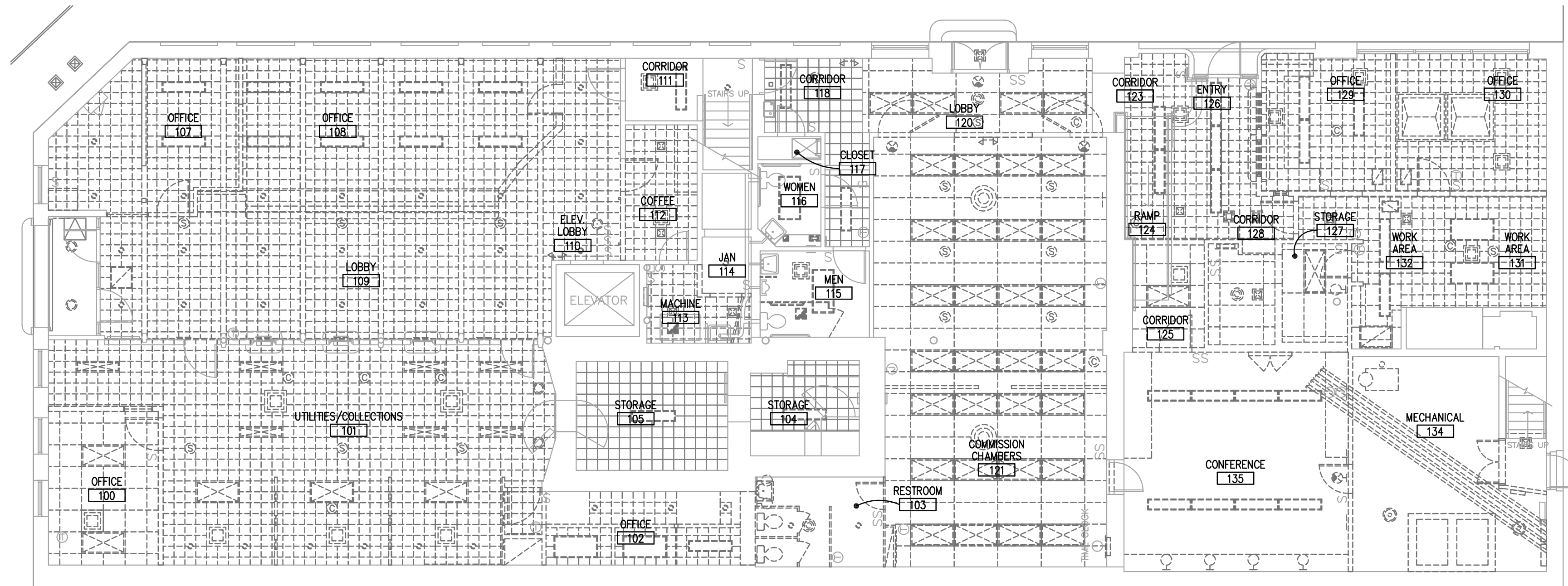
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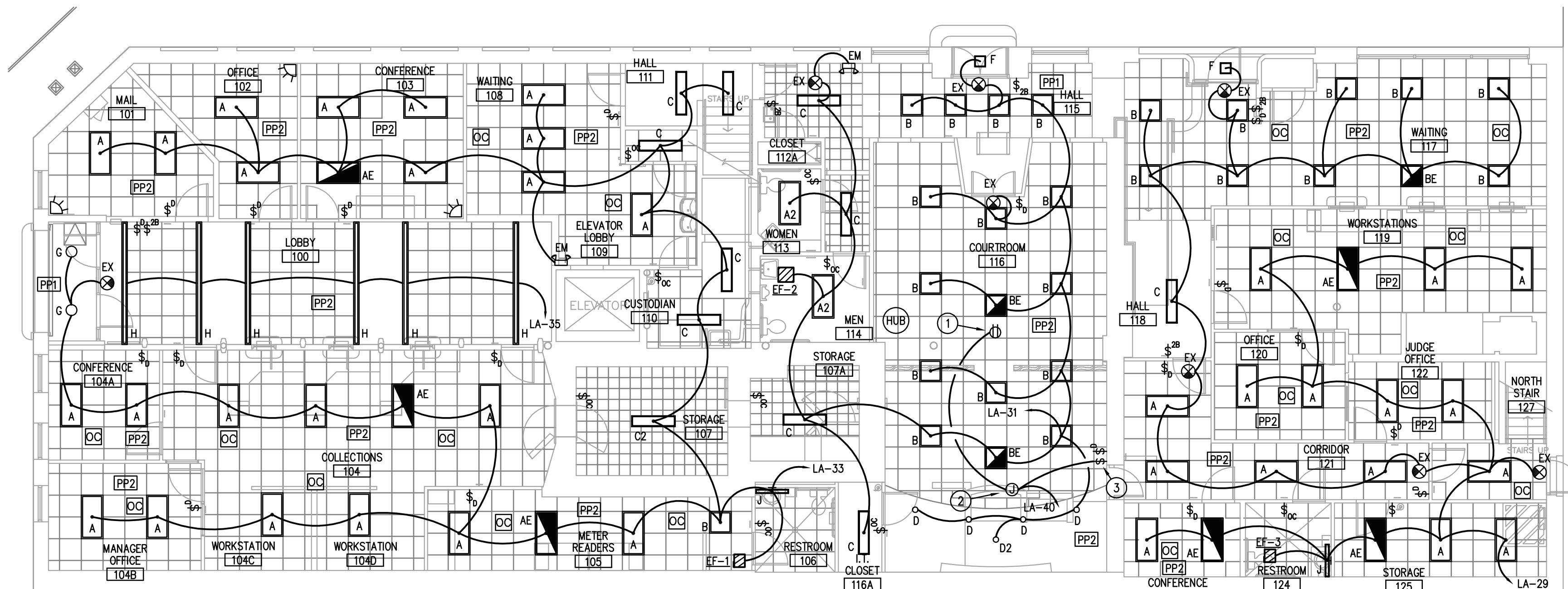




2 FIRST FLOOR LIGHTING DEMOLITION PLAN  
 1/8"=1'-0"

**LIGHTING DEMOLITION GENERAL NOTES:**

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE FIELD VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE ALL LABOR AND MATERIAL CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, CONDUIT AND WIRING WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED.
- B. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES, LIGHTING CONTROL DEVICES AND ASSOCIATED CONDUIT AND WIRE.
- C. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.
- D. ANY EXISTING CONDUIT NOT BEING REUSED ROUTED BELOW GRADE SHALL BE ABANDONED.



1 FIRST FLOOR LIGHTING PLAN  
 1/8"=1'-0"

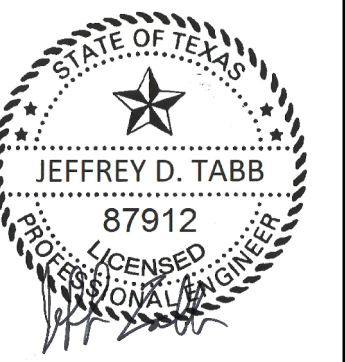
**LUTRON WIRELESS LIGHTING CONTROL LEGEND**

- \$ 20A, 120/277V WALL MOUNTED TOGGLE SWITCH
- \$<sub>0</sub> WALL MOUNTED PICO WIRELESS CONTROL, THREE BUTTON ON/OFF WITH DIMMING LUTRON #P42-3BRL-GWH-L01 (CW-1-WH)
- \$<sub>2B</sub> WALL MOUNTED PICO WIRELESS CONTROL, TWO BUTTON ON/OFF LUTRON #P42-2BL-GWH-L01 (CW-1-WH)
- \$<sub>OC</sub> WALL MOUNTED OCCUPANCY SENSOR WITH MANUAL ON/OFF - PROVIDE 120V WIRING TO L LUTRON #MS-0PS2-WH
- OC CEILING MOUNTED WIRELESS OCCUPANCY SENSOR LUTRON #LRF2-OCR2B-P
- OC CORNER MOUNTED WIRELESS OCCUPANCY SENSOR LUTRON #LRF2-OKLB-P
- PP1 POWER PACK RELAY MODULE - PROVIDE WIRING FROM POWER PACK TO LIGHT FIXTURES. I LUTRON #RMS-16R-DV-B
- PP2 POWER PACK DIMMING MODULE - PROVIDE WIRING FROM POWER PACK TO LIGHT FIXTURES. LUTRON #RMS-8T-DV-B
- HUB WVE WIRELESS HUB - PROVIDE 120V CIRCUIT TO 24V POWER SUPPLY LUTRON #HUS-2-FM

NOTE: SEE MANUFACTURER'S WIRING DIAGRAMS FOR ADDITIONAL INFORMATION



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10/30/2017

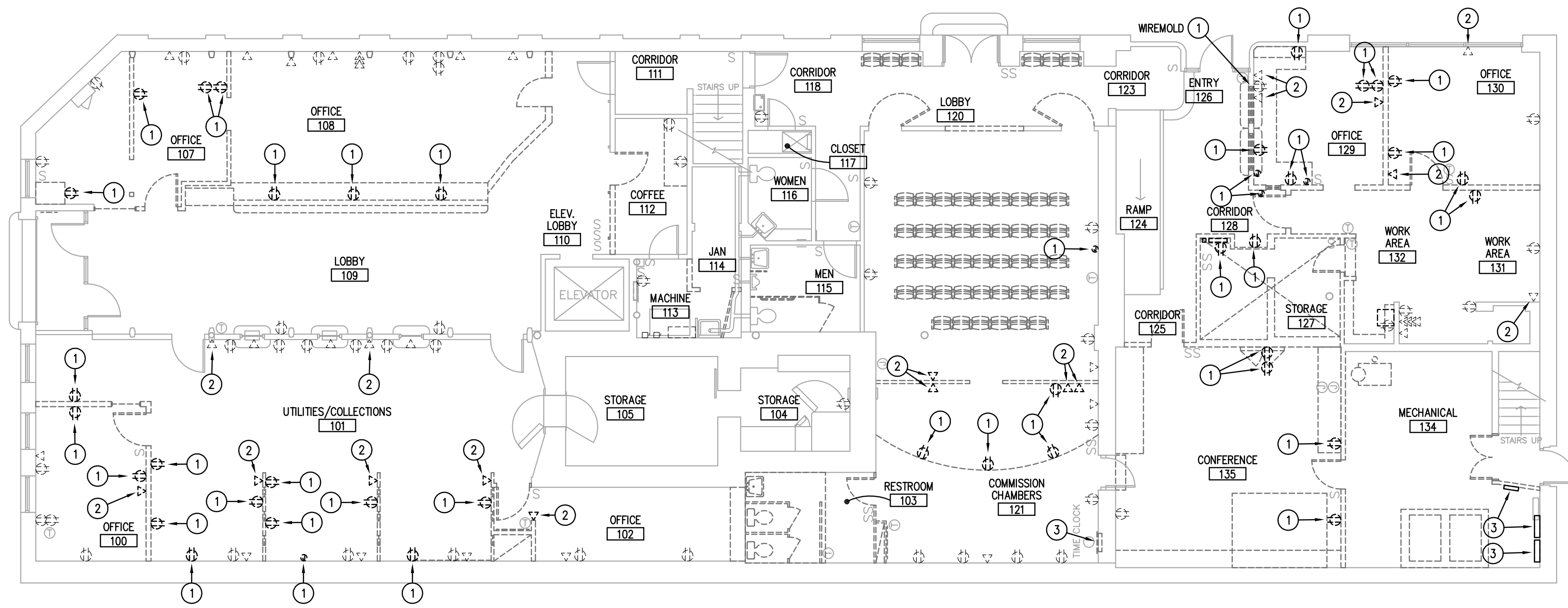
NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**FIRST FLOOR LIGHTING PLAN**

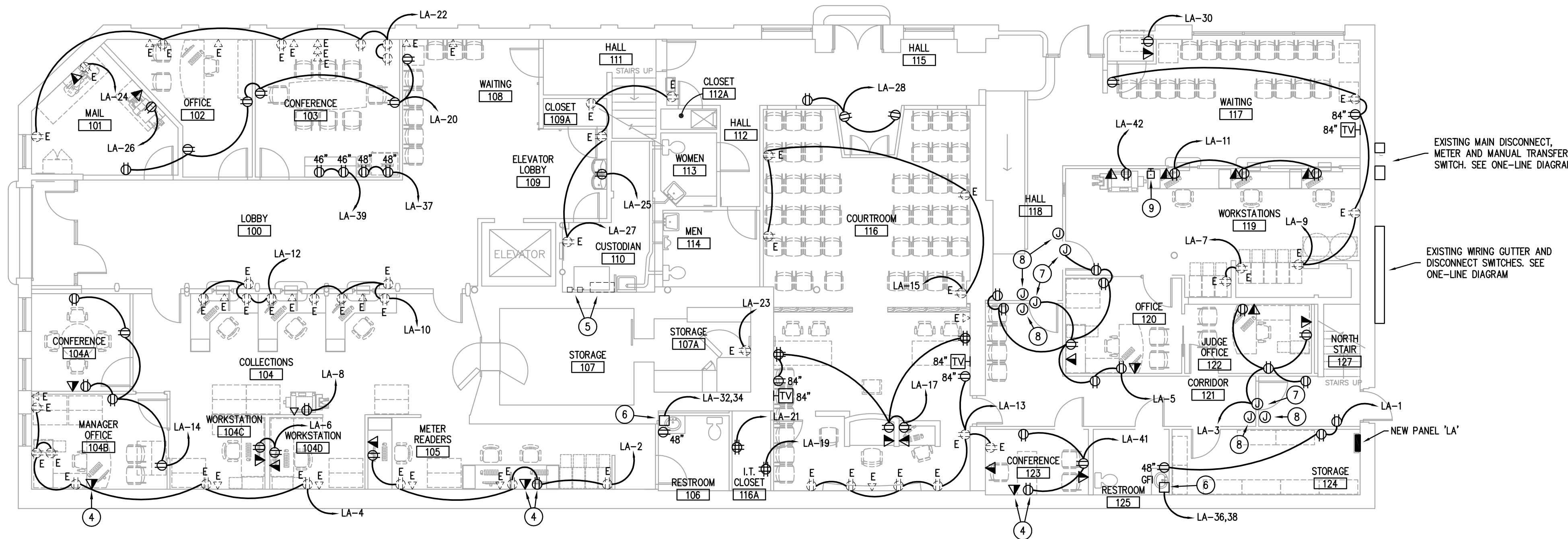
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2 FIRST FLOOR ELECTRICAL POWER DEMOLITION PLAN  
E2.0 1/8"=1'-0"



1 FIRST FLOOR ELECTRICAL POWER PLAN  
E2.0 1/8"=1'-0"

**GENERAL ELECTRICAL REMODEL NOTES:**

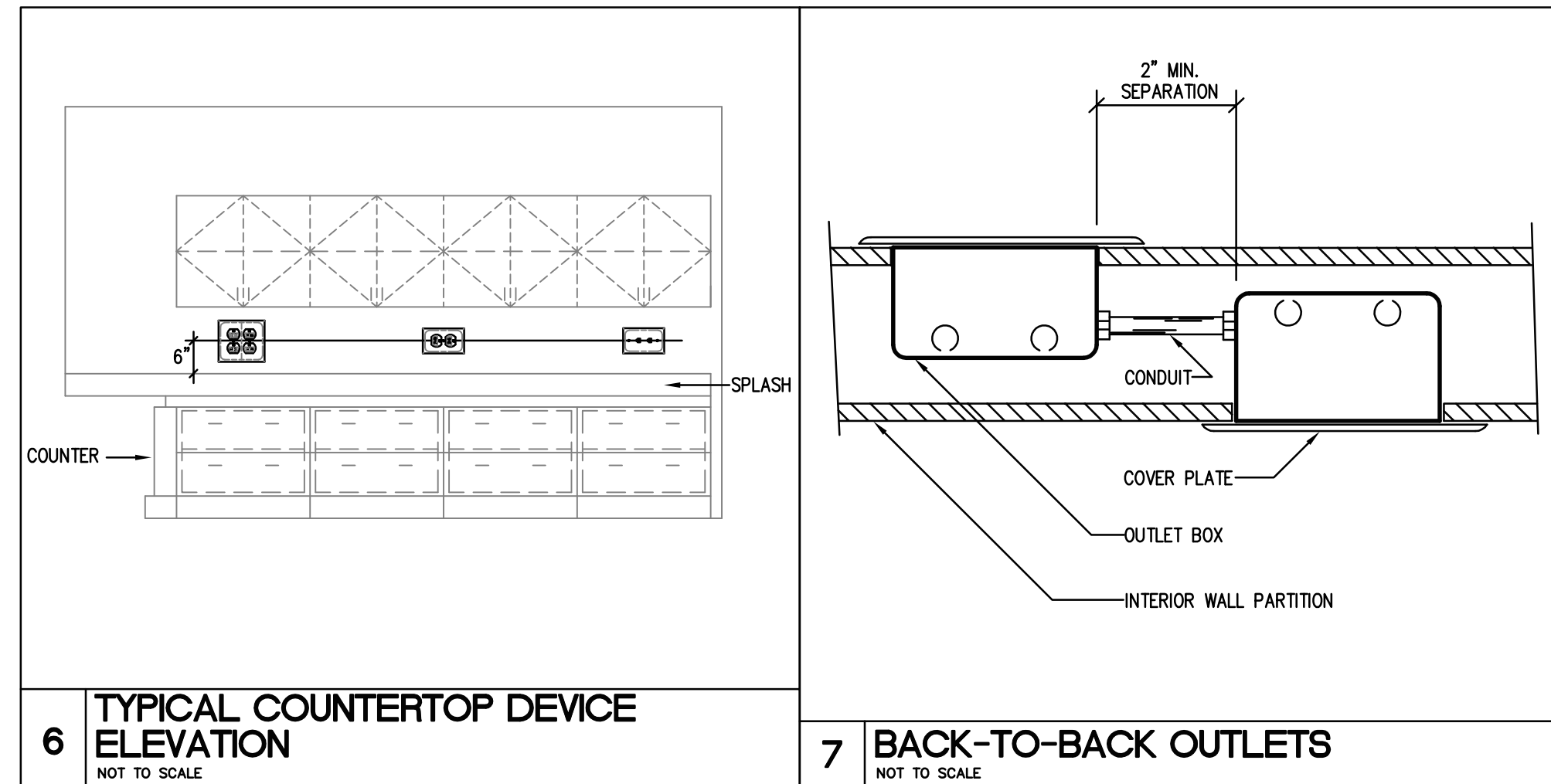
- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE FIELD VERIFIED EXISTING JOB-SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF ARCHITECTURAL MODIFICATIONS TO THE EXISTING STRUCTURE. THE SCOPE OF WORK SHALL INCLUDE ALL LABOR AND MATERIAL CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, CONDUIT AND WIRING WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED, SO THAT THE INDICATED REMODELING MAY BE ACCOMPLISHED.
- B. ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- C. CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION BOX.
- D. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.
- E. CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, SWITCHES, DATA/TELEPHONE DROPS, FIRE ALARM DEVICES, P/A DEVICES, CONDUIT, AND WIRING. REMOVE CONDUIT AND WIRING BACK TO PANEL OR LAST ACTIVE JUNCTION BOX. REFER TO ARCHITECTURAL DEMO PLAN.
- F. ANY EXISTING CONDUIT NOT BEING REUSED ROUTED BELOW GRADE SHALL BE ABANDONED.
- G. ALL EQUIPMENT SHALL BE LOCATED PER NEW POWER PLANS. EXTEND ALL EXISTING FEEDERS AS REQUIRED FOR RELOCATION.
- H. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN TO THE OWNER BEFORE STARTING WORK. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT ARE NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED BY THE CONTRACTOR AT HIS COST.
- I. WHEN OUTLETS ARE ABANDONED, WIRE MUST BE PULLED OUT OF CONDUIT BACK TO THE NEAREST REMAINING BOX OR CABINET AND EXPOSED CONDUIT THAT HAS BEEN ABANDONED MUST BE REMOVED.
- J. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED BECAUSE OF REMODELING WORK.
- K. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS DESCRIBED IN THESE NOTES.
- L. VERIFY THE LOADING OF EACH CIRCUIT AFFECTED BY REMODELING WORK. THE MAXIMUM LOAD OF ANY BRANCH CIRCUIT MUST NOT EXCEED 80% OF ITS RATING.
- M. REMOVE ALL DEVICES AND WIRING ASSOCIATED WITH ALL EQUIPMENT BEING REMOVED, INCLUDING MECHANICAL AND PLUMBING EQUIPMENT.
- N. ALL EXISTING LIGHT FIXTURES TO BE RELOCATED MUST BE CLEANED, RELAMPED, TOUCHED UP WITH PAINT AND ALL DAMAGED PARTS REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW BALLAST AS REQUIRED.
- O. ALL ELECTRICAL ITEMS ON 2ND FLOOR SHALL REMAIN IN OPERATION. CONTRACTOR SHALL FIELD VERIFY EXISTING ELECTRICAL SYSTEM IN ORDER TO ENSURE ELECTRICAL SERVICE TO SECOND FLOOR IS NOT DISRUPTED. WHEN DEMOLISHING ELECTRICAL PANELS AND CIRCUITS ON 1ST FLOOR CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO ENSURE CONTINUITY TO ELECTRICAL ITEMS ON 2ND FLOOR.

**ELECTRICAL KEYED NOTES:**

- 1 DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICE. DISCONNECT AND REMOVE EXISTING WIRE BACK TO NEAREST J-BOX.
- 2 DISCONNECT AND REMOVE EXISTING TELE/DATA DEVICE. DISCONNECT AND REMOVE EXISTING CABLING TO ABOVE CEILING.
- 3 DISCONNECT AND REMOVE EXISTING ELECTRICAL PANEL. DISCONNECT AND REMOVE EXISTING FEEDER BACK TO SERVICE ENTRANCE GUTTER. DISCONNECT AND REMOVE ALL EXISTING BRANCH CIRCUITS.
- 4 INSTALL NEW DEVICE IN SURFACE MOUNTED BOX. PROVIDE SURFACE MOUNTED WIREMOLD RACEWAY TO ABOVE CEILING.
- 5 EXISTING ELECTRICAL FOR ELEVATOR EQUIPMENT IS EXISTING TO REMAIN.
- 6 208V, 30A/3P, N.F., NEMA 1 DISCONNECT SWITCH FOR INSTANTANEOUS WATER HEATER UNDER SINK. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING.
- 7 PROVIDE POWER TO DOOR HARDWARE AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH DOOR INSTALLER. PROVIDE CONDUIT TO CARD READER AND PUSHBUTTON LOCATION AS REQUIRED.
- 8 FLUSH MOUNTED J-BOX FOR CARD READER. COORDINATE EXACT LOCATION WITH ARCHITECT AND/OR OWNER IN FIELD.
- 9 FLUSH MOUNTED J-BOX FOR DOOR CONTROL PUSHBUTTON. COORDINATE EXACT LOCATION WITH ARCHITECT AND/OR OWNER IN FIELD.

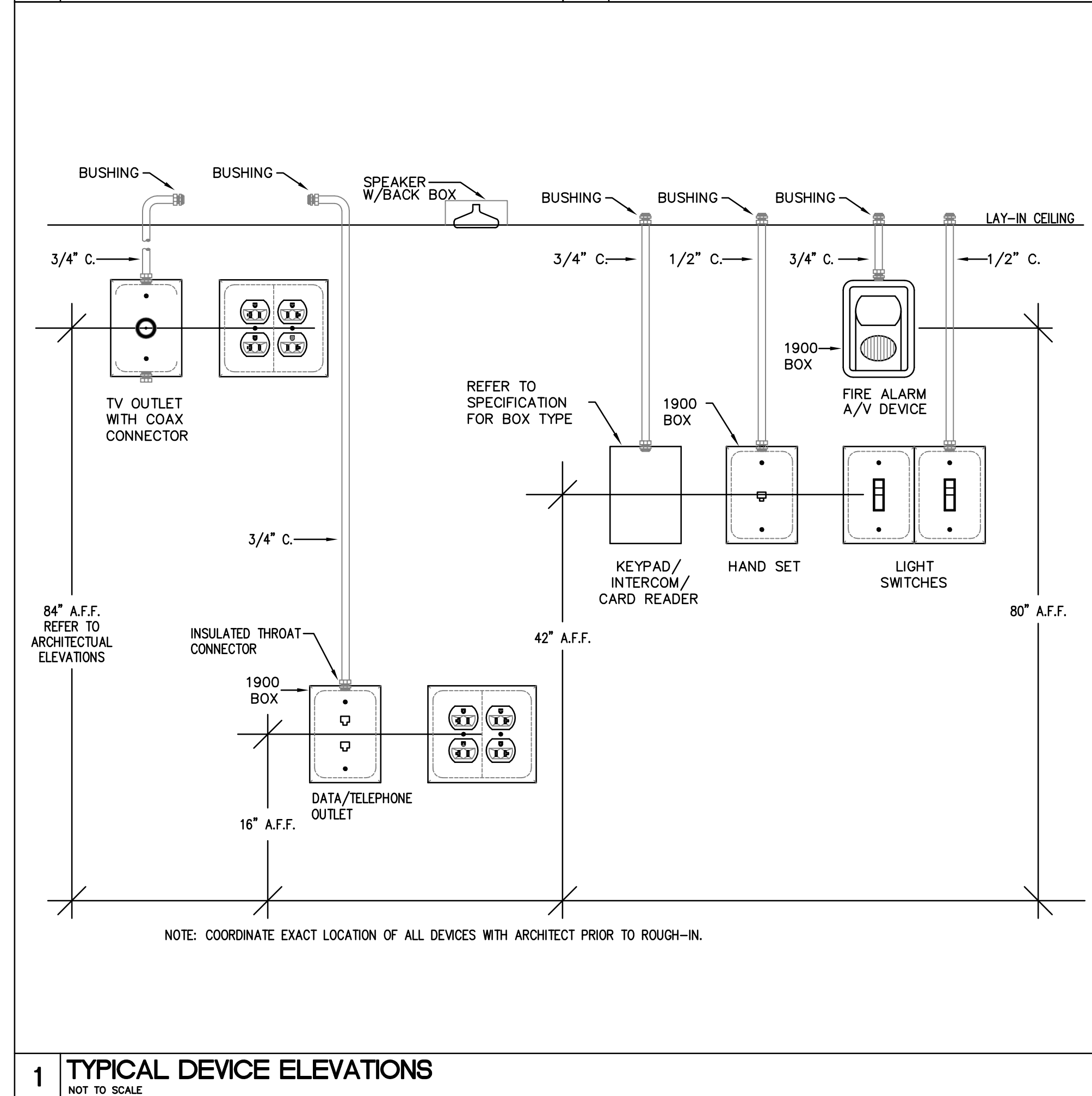
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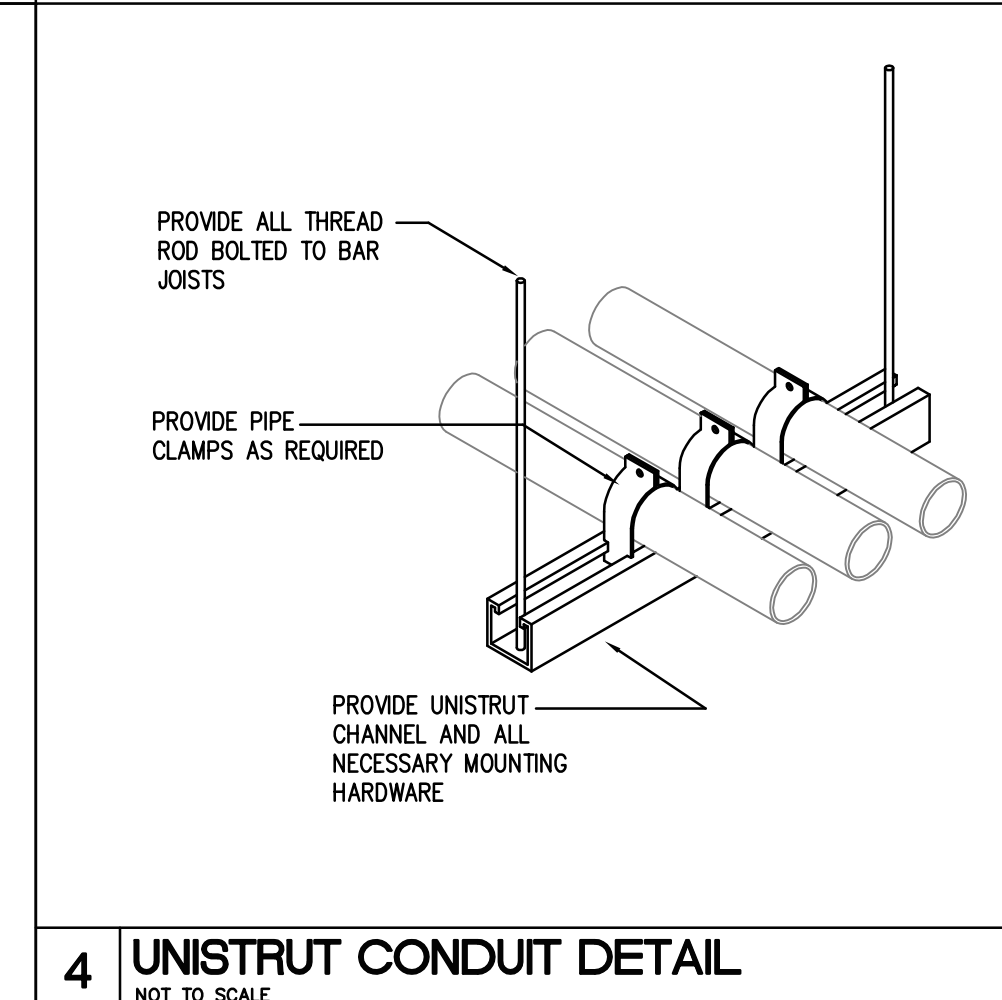


**6 TYPICAL COUNTERTOP DEVICE ELEVATION**  
NOT TO SCALE

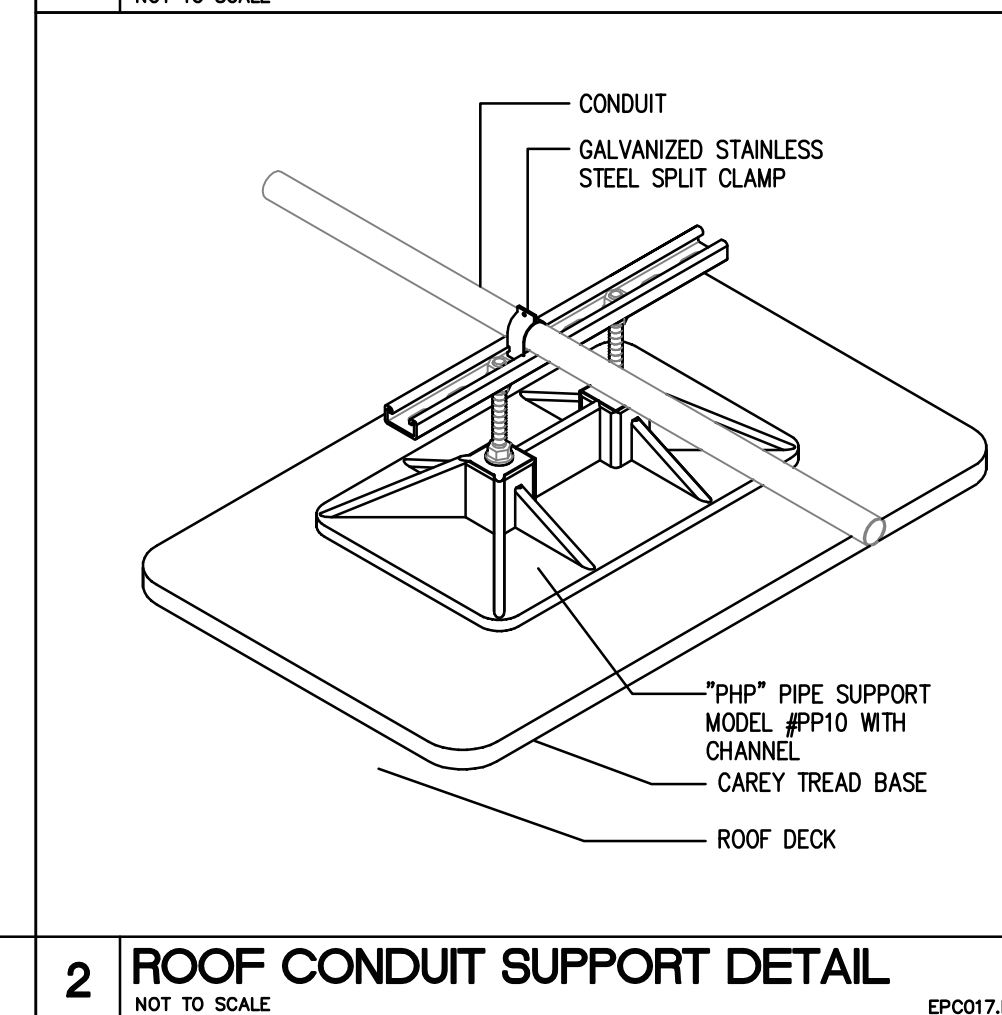
**7 BACK-TO-BACK OUTLETS**  
NOT TO SCALE



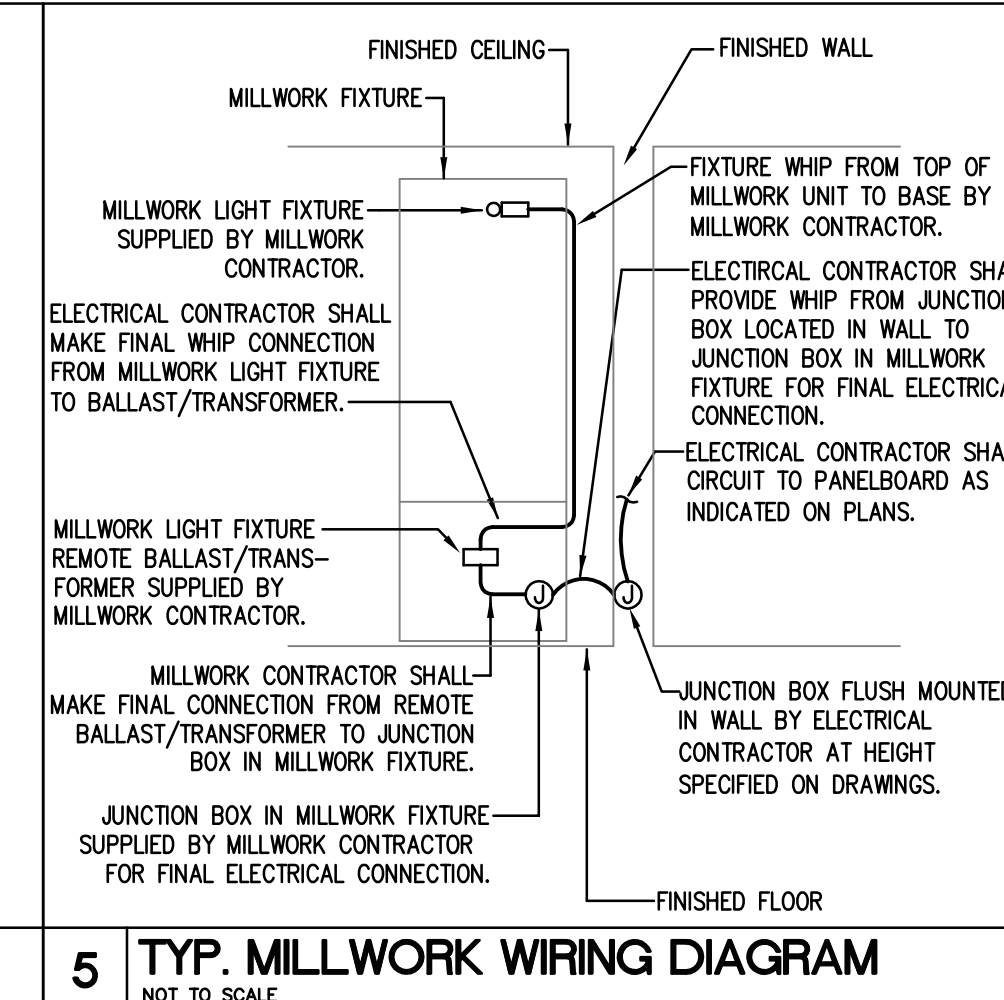
**1 TYPICAL DEVICE ELEVATIONS**  
NOT TO SCALE



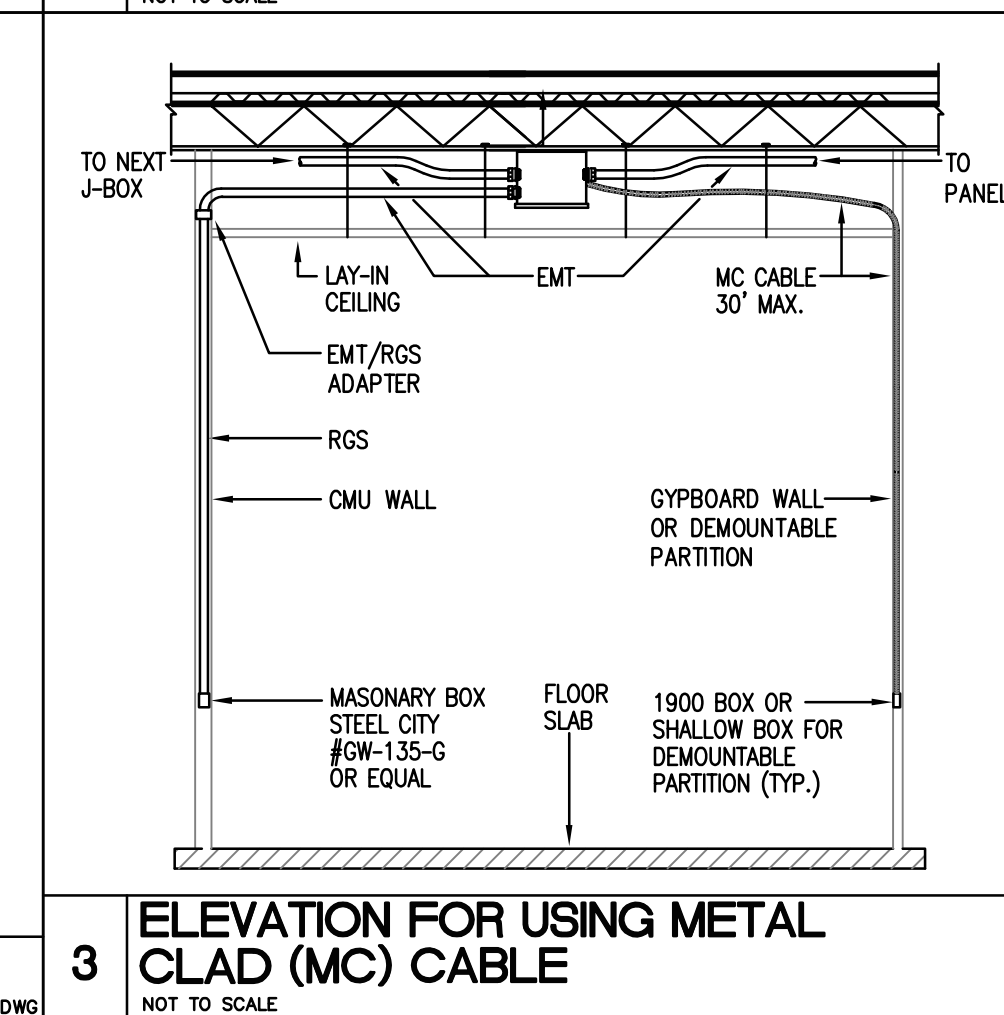
**4 UNISTRUT CONDUIT DETAIL**  
NOT TO SCALE



**2 ROOF CONDUIT SUPPORT DETAIL**  
NOT TO SCALE



**5 TYP. MILLWORK WIRING DIAGRAM**  
NOT TO SCALE



**3 ELEVATION FOR USING METAL CLAD (MC) CABLE**  
NOT TO SCALE

NO.	DATE	DESCRIPTION

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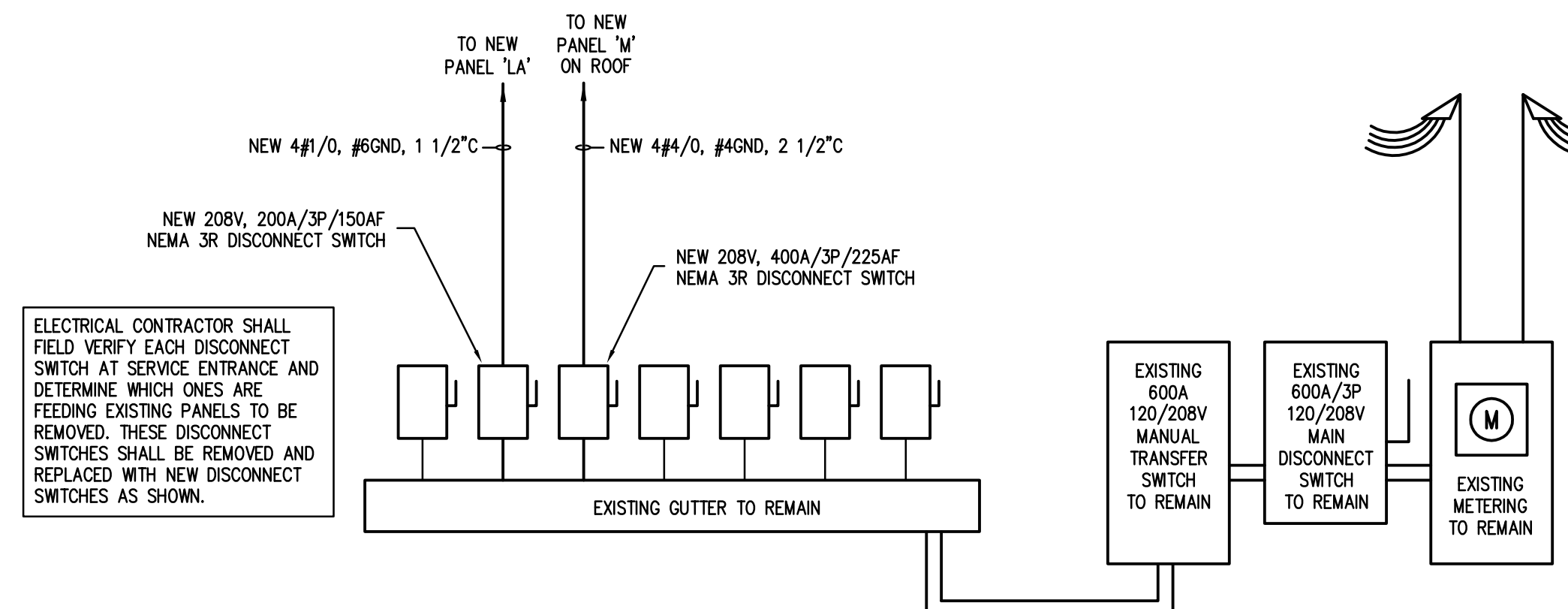
Panelboard LA																	
120/208 Volt, 3-Phase, 4-Wire 1 Section 1 - Nema Rating										MCB X MLO		0 AMP MCB 225 AMP BUS (Copper)		X Single Double Feed - Thru		Mounting X Surface Flush	
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes			
	540	RECEPTS	R	12	20/1	1	A	2	20/1	12	R	METER READERS	900				
	900	RECEPTS	R	12	20/1	3	B	4	20/1	12	R	CLERK RECEPITS	1080				
	900	RECEPTS	R	12	20/1	5	C	6	20/1	12	R	CLERK RECEPITS	720				
	1200	COPIER	M	12	20/1	7	A	8	20/1	12	M	COPIER	1200				
	900	WARRANT AREA REC.	R	12	20/1	9	B	10	20/1	12	R	UTILITIES/COLLECTIONS	720				
	1260	WARRANT AREA REC.	R	12	20/1	11	C	12	20/1	12	R	UTILITIES/COLLECTIONS	720				
	1260	COURTROOM RECEPITS	R	12	20/1	13	A	14	20/1	12	R	BREAK ROOM	1000				
	900	COURTROOM RECEPITS	R	12	20/1	15	B	16	20/1	12	R	BREAK ROOM	1000				
	540	COURTROOM RECEPITS	R	12	20/1	17	C	18	20/1	12	R	BREAK ROOM	1000				
	360	IT ROOM QUAD	R	12	20/1	19	A	20	20/1	12	R	ATTORNEY/CONF. ROOM	1260				
	360	IT ROOM QUAD	R	12	20/1	21	B	22	20/1	12	R	ATTORNEY/CONF. ROOM	1260				
	180	VAULT RECEPIT	R	12	20/1	23	C	24	20/1	12	M	MAIL ROOM	1000				
	960	EWC	M	12	20/1	25	A	26	20/1	12	M	MAIL ROOM	1000				
	720	RECEPTS	R	12	20/1	27	B	28	20/1	12	R	LOBBY/METAL DETECT.	1200				
	1200	LIGHTS	L	12	20/1	29	C	30	20/1	12	M	BILL PAY KIOSK	1200				
	1200	LIGHTS	L	12	20/1	31	A	32	40/2	8	WH	IWH	3120				
	1200	LIGHTS	L	12	20/1	33	B	34	40/2	8	WH	IWH	3120				
	1200	LIGHTS	L	12	20/1	35	C	36	40/2	8	WH	IWH	3120				
	1200	CONF. ROOM	R	12	20/1	37	A	38	40/2	8	WH	IWH	3120				
	1200	CONF. ROOM	R	12	20/1	39	B	40	20/1	12	R	CEILING PROJECTOR	500				
	540	CONF. ROOM	R	12	20/1	41	C	42	20/1	12	R	COPIER	1200				
		SPARE				20/1	43	A	44			SPACE					
		SPARE				20/1	45	B	46			SPACE					
		SPARE				20/1	47	C	48			SPACE					
		SPARE				20/1	49	A	50			SPACE					
		SPARE				20/1	51	B	52			SPACE					
		SPARE				20/1	53	C	54			SPACE					
	18,720	Subtotal										Subtotal	29,440				
N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity								
220.44	(R) Recept	24,320		17,160	220.12	(L) Lighting	4,800	125%	6,000								
220.56	(K) Kitchen	0	100%	0	220.12	(EL) Ext. Ltg.	0	125%	0								
220.60	(C) Cooling	0	0%	0	620.14	(E) Elevators	0	100%	0								
220.60	(H) Heating	0	0%	0		(WH) Water Ht.	12,480	100%	12,480								
220.60	(F) Fans	0	100%	0	220.5	(MT) Lrg. Mot.	0	125%	0								
630.11	(W) Welders	0	0	0		(SP) Sub Panel	0	100%	0								
	(M) Misc.	6,560	100%	6,560													
Total Connected Load =		48,160 VA =	133.8 AMPS	Location of Panel:		STORAGE ROOM #124											
Total Load (Diversified)=		42,200 VA =	117.2 AMPS														

Panelboard M																	
120/208 Volt, 3-Phase, 4-Wire 1 Section 3R - Nema Rating										MCB X MLO		0 AMP MCB 225 AMP BUS (Copper)		X Single Double Feed - Thru		Mounting X Surface Flush	
Notes	Load (VA)	Description	Type	Wire	CB	CKT #	PH	CKT #	CB	Wire	Type	Description	Load (VA)	Notes			
	7056		H	6		1	A	2		6	H		6636				
	7056	RTU-1	H		60/3	3	B	4	60/3		H	RTU-3	6636				
	7056		H			5	C	6			H		6636				
	6396		H	6		7	A	8	20/1		R	ROOF RECEPIT	180				
	6396	RTU-2	H		60/3	9	B	10				SPACE					
	6396		H			11	C	12				SPACE					
		SPARE				20/1	13	A	14			SPACE					
		SPARE				20/1	15	B	16			SPACE					
		SPARE				20/1	17	C	18			SPACE					
	40,356	Subtotal										Subtotal	20,088				
N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity	N.E.C. (2011)	Load Type	Conn.	Fct.	Diversity								
220.44	(R) Recept.	180		180	220.12	(L) Lighting	0	125%	0								
220.56	(K) Kitchen	0	100%	0	220.12	(EL) Ext. Ltg.	0	125%	0								
220.60	(C) Cooling	0	0%	0	620.14	(E) Elevators	0	100%	0								
220.60	(H) Heating	60,264	100%	60,264		(WH) Water Ht.	0	100%	0								
220.60	(F) Fans	0	100%	0	220.5	(MT) Lrg. Mot.	0	125%	0								
630.11	(W) Welders	0	0	0		(SP) Sub Panel	0	100%	0								
	(M) Misc.	0	100%	0													
Total Connected Load =		60,444 VA =	167.9 AMPS	Location of Panel:		ROOF											
Total Load (Diversified)=		60,444 VA =	167.9 AMPS														

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER AND CATALOG NUMBER	LED'S		WATTAGE	NOTES	
		COLOR	LUMENS			
A	METALUX #24CZ-LD4-50-UNV-L835-CD1-U	3500	5000	56	2'x4' LED VOLUMETRIC TROFFER	
AE	METALUX #24CZ-LD4-50-UNV-EL14W-L835-CD1-U	3500	5000	56	SAME AS TYPE 'A' WITH EMERGENCY BATTERY PACK	
A2	METALUX #24CZ-LD4-50-UNV-L835-CD1-U-DF-24-W	3500	5000	56	2'x4' LED VOLUMETRIC TROFFER WITH DRYWALL FRAME KIT	
B	METALUX #22CZ-LD5-44-UNV-L835-CD1-U	3500	4400	42	2'x2' LED VOLUMETRIC TROFFER	
BE	METALUX #22CZ-LD5-44-UNV-EL14W-L835-CD1-U	3500	4400	42	SAME AS TYPE 'B' WITH EMERGENCY BATTERY PACK	
C	METALUX #WPLD4035C	3500	4000	45	4' SURFACE MOUNTED LED WRAPAROUND	
D	PORTFOLIO #LDB150010 EU6B 10208035 6LBWZH	3500	1500	16	6" RECESSED DOWNLIGHT	
D2	PORTFOLIO #LDB48-20-D010-EU48-1020-80-30-4LB-SW-2-H	3000	2000	21	4" RECESSED WALL WASH DOWNLIGHT	
EX	SURE-LITES #APC7				EXIT LIGHT WITH EMERGENCY HEADS	
EM	SURE-LITES #SEL-50-WHITE				EMERGENCY LIGHT	
F	McGRAW-EDISON #ITT-C1-LED-120-MQ-BZ-IBP	4000	3500	28	SURFACE CANOPY FIXTURE WITH EMERGENCY BATTERY PACK	
G	PORTFOLIO #LDBA-20-1-DE010-ERBA-20-8-40-8LM0-L1	4000	2000	32	8" RECESSED DOWNLIGHT	
H	NEO-RAY #S125-DR-1-35-GYP-11'-1-1-DD-1-W	3500	6677	77	11" CUSTOM LENGTH, RECESSED DIRECT LINEAR FIXTURE	
J	SHAPER #605-37-W-L4/835-UNV-ALP	3500	3000	29	37" LED VANITY LIGHT	

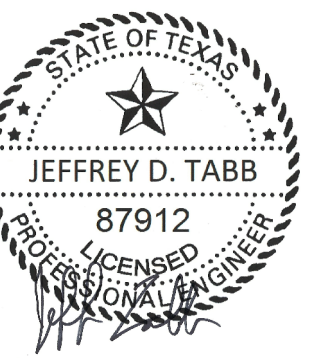
A. Light Fixture Substitutions to Specified Product

- Prior approval requests will include the following:
  - Full submittal data, by type, clearly highlighted and arrowed to identify the specific proposed manufacturer's nomenclature
  - Full submittal data of lamps of proposed manufacturer
  - Full submittal data of ballast/driver (LED) data of proposed manufacturer
  - LED lumen data shall include:
    - Lumen output
    - L70 and L90 testing
    - Confirmation of independent test lab data (TL)
    - Color temperature and CRI with quantity of McAdam Ellipse steps
    - Data shall include sphere and goniometer results for total lumen, total power, luminaire efficacy, CRI and junction temperature for the specified color temperature
    - Make and brand of LED diode should be clearly identified on submittal data
    - LED dimming shall be equal in range and quality to the specified drivers. Quality of dimming to be defined by dimming range, freedom from perceived flicker or visible stroboscopic flicker, smooth and continuous change in level (no visible steps in transitions), natural square law response to control input, and stable when input voltage conditions fluctuate over what is typically experience in a commercial environment.
    - All substitutions must meet specified fixtures certifications (UL, ETL, CE, CSA, RoHS, DLC, Energy Star)
- Provide lighting calculations with the prior approval request based on reflectance values and light loss factors provided by the engineer and displayed on lighting calculation drawings. (may be unique by area) Calculations shall be shown on one sheet with dimensions as shown on construction set. Data will be submitted electronically in pdf format on a flash drive and with printed calculations on Architectural E size sheets to scale with construction set sheets.
  - Discrepancies between prior approval data calculations and the original design calculations will result in immediate disqualification of review due to time based constraints on the bid process
- Prior approval request may require a sample of both the proposed and specified fixtures provided by the alternate manufacturer at NO additional cost to the project. Samples of both specified and proposed must be provided within 10 working days of request.
- Energy calculations (Comcheck) must be provided with specification sheets including lamp and ballast data supporting input wattages highlighted in yellow and clearly identified by type. Input wattages must coincide with panel schedules. This data will be submitted under separate cover with the prior approval request
- All data will be submitted electronically and in a bound format.
  - Bound data will be secured in hard binder with 3? rings for ease of review.
  - Types will be marked with a tab by type and indexed for ease of reference
- LED warranty information MUST be included by type and marked in RED to clearly identify the manufacturer's warranty terms. Warranty data MUST meet or exceed the specified manufacturers terms
- Prior approvals MUST be received and acknowledged to the specifiers office no less than 15 days prior to bid.
- ALL prior approval data must be submitted in one package with complete information. Information that is incomplete will be rejected without review.
- The prior approval will be returned marked approved or rejected by type with no explanation. If any specification is deemed not equal the review will be stopped and the type rejected with no explanation.
- Lumen output for the proposed fixture must be highlighted in yellow for clear identification
- All inverter systems that supply power to LED fixtures must have pure PWM sine wave function and work with any type of lighting load.



NOTE:  
ALL ELECTRICAL ITEMS ON 2ND FLOOR SHALL REMAIN IN OPERATION. CONTRACTOR SHALL FIELD VERIFY EXISTING ELECTRICAL SYSTEM IN ORDER TO ENSURE ELECTRICAL SERVICE TO SECOND FLOOR IS NOT DISRUPTED. WHEN DEMOLISHING ELECTRICAL PANELS AND CIRCUITS ON 1ST FLOOR CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO ENSURE CONTINUITY TO ELECTRICAL ITEMS ON 2ND FLOOR.

**1** ELECTRICAL ONE-LINE DIAGRAM  
E4.0 NOT TO SCALE



10/30/17

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**ELECTRICAL DETAILS**

DRAWING NUMBER

**E4.0**

OF 33

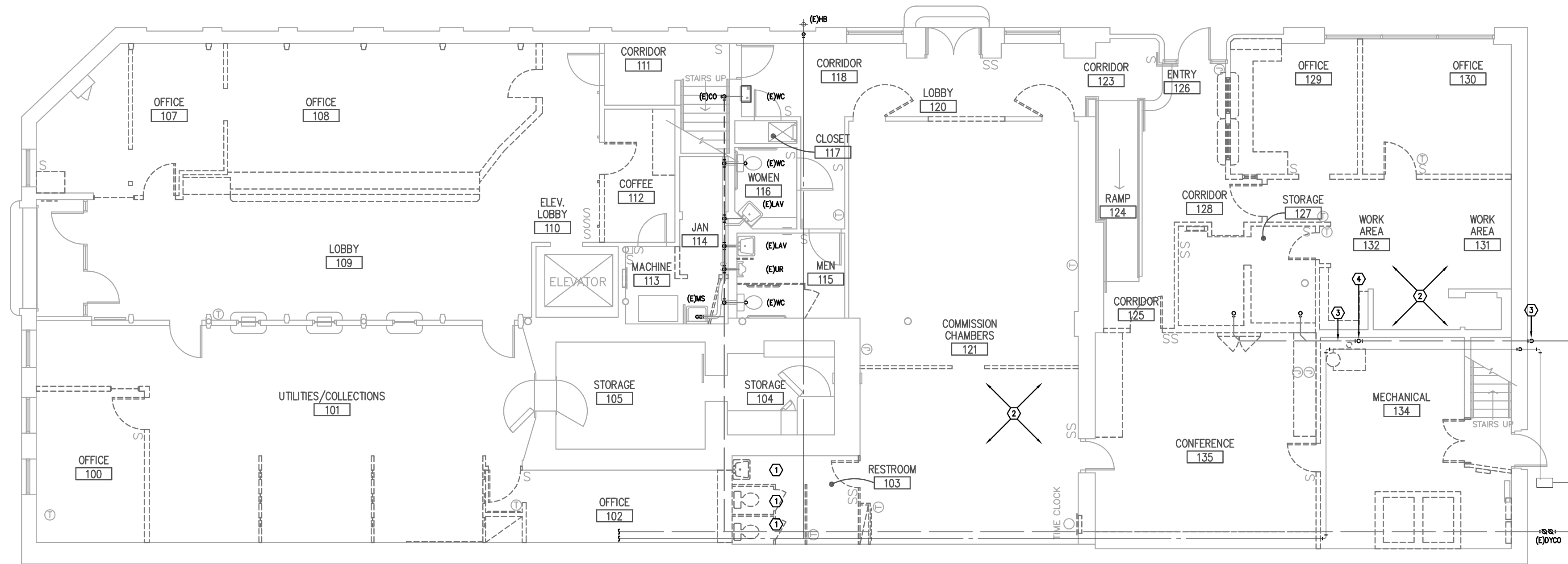
DATE: 10/30/17

COMM. NO.: 1609











**FIRST FLOOR PLUMBING DEMO PLAN**  
 1/8"=1'-0"

**GENERAL NOTES:**

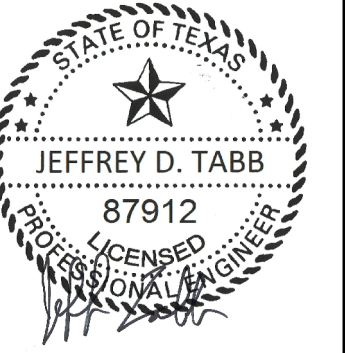
- 1) ALL FIXTURES, EQUIPMENT AND PLUMBING LINES SHOWN WITH (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
- 2) THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING ALL WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND DCA.
- 3) THE EXTENT OF WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED PRIOR TO BEGIN. CONTRACTOR SHALL IDENTIFY/VERIFY ALL PLUMBING LINES BEFORE STARTING ANY WORK.
- 4) CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.
- 5) ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- 6) PROVIDE ALL WORK REQUIRED FOR THE REMOVAL OF FIXTURES TO BE DISASSEMBLED AND INSTALLATION OF NEW FIXTURES AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- 7) PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE MECHANICAL AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- 8) COORDINATE PLUMBING SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- 9) CONTRACTOR SHALL REMOVE ANY AND ALL ABANDONED/UNUSED PIPING, FITTINGS AND APPURTENANCES BACK TO LAST ACTIVE SOURCE. FIELD VERIFY FOR EXACT LOCATIONS.
- 10) EVERY EFFORT HAS BEEN MADE TO SHOW THE APPROXIMATE LOCATIONS OF CONNECTIONS TO THE EXISTING PIPING AND OTHER APPURTENANCES RELATED TO THIS PHASE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ABOVE INFORMATION. CONTRACTOR SHALL RESPECT AND VERIFY ALL DETAILS AND REQUIREMENTS OF ALL THE CONTRACT DOCUMENTS, PRIOR TO SUBMISSION OF PROPOSAL. ALL DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND ACTUAL JOB-SITE CONDITIONS SHALL BE RESOLVED BY THIS CONTRACTOR, WHO SHALL PRODUCE DRAWINGS WHICH SHALL BE SUBMITTED TO THE ARCHITECT/OWNER FOR REVIEW.

**PLUMBING KEYED NOTES:**

- 1) DEMOLISH EXISTING FIXTURE INCLUDING ALL ASSOCIATED PIPINGS, FITTINGS AND APPURTENANCES. CAP SERVICES AT CONCEALED LOCATIONS.
- 2) REMOVE ALL ABANDONED GAS LINES IN THE BUILDING.
- 3) DEMOLISH EXISTING CL SOIL PIPE THAT IS RUNNING ON THE FLOOR ALL THE WAY TO THE EAVES JUST OUTSIDE THE EXTERIOR WALL.
- 4) 3" CL SOIL PIPE SERVING RESTROOM ABOVE. DEMOLISH LINE UP TO CEILING SPACE AND REROUTE LINE ABOVE CEILING AND DROP TO STAR AREA. SEE 1/P22.01.



200 South 10th Street, Suite 801  
 Corpus Christi, Texas 78401  
 DBR Firm Registration No. 27224  
 DBR Project Number 179001.000



10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
 FIRST FLOOR PLUMBING DEMO PLAN**

DRAWING NUMBER

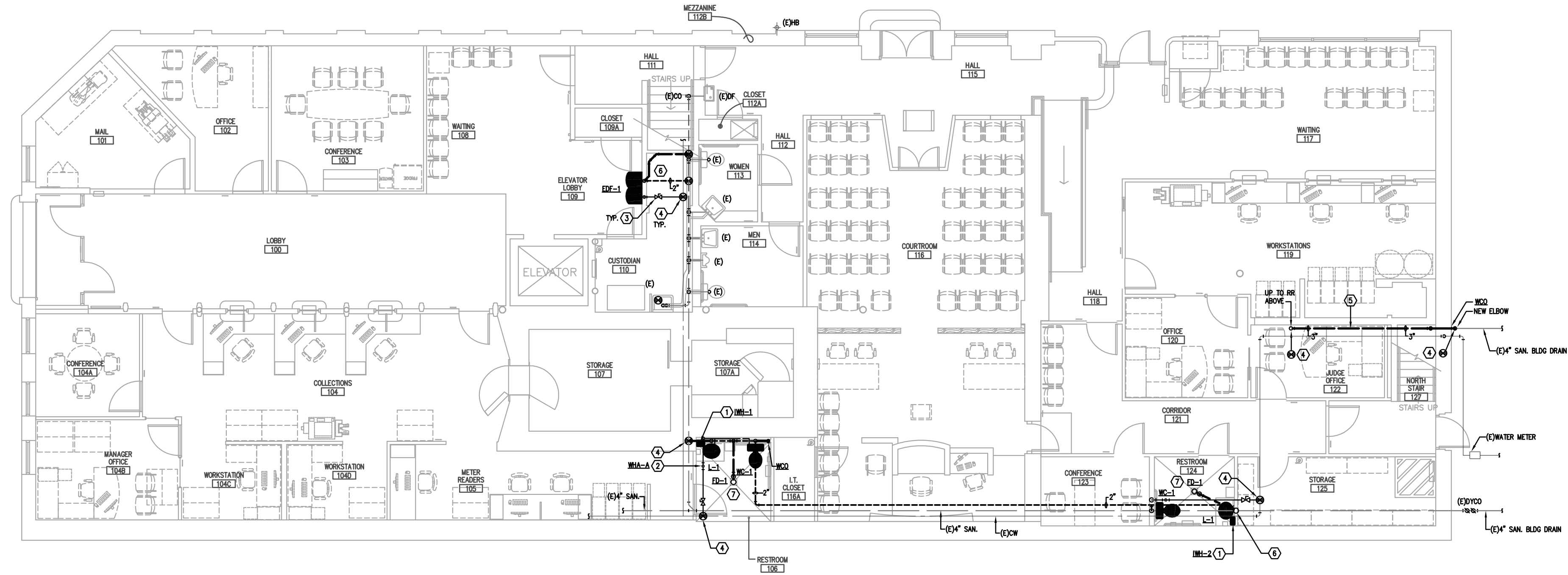
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OF 33

DATE: 10/30/17

COMM. NO.: 1609

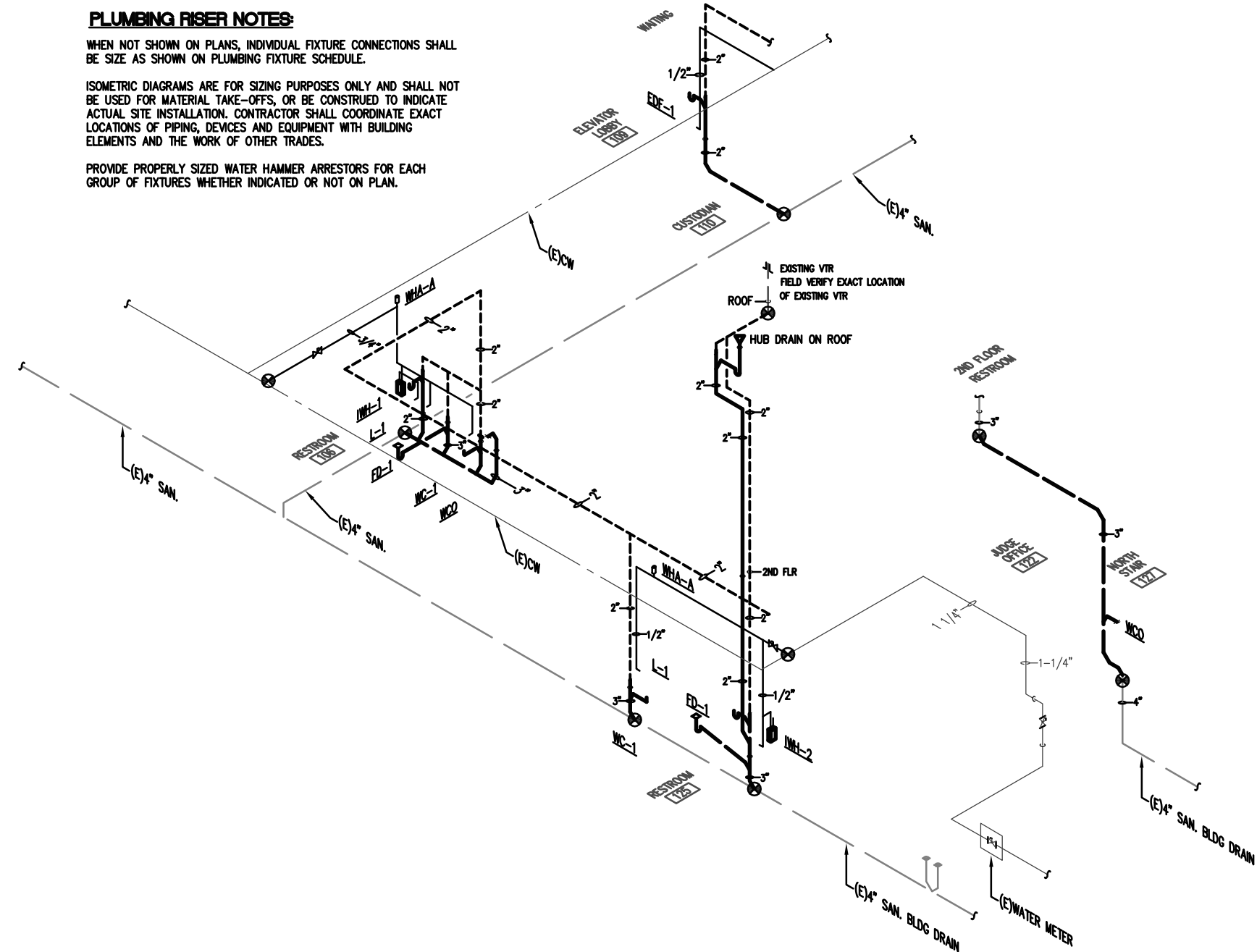




**1 FIRST FLOOR PLUMBING PLAN**  
 1/8"=1'-0"

**PLUMBING RISER NOTES:**

WHEN NOT SHOWN ON PLANS, INDIVIDUAL FIXTURE CONNECTIONS SHALL BE SIZE AS SHOWN ON PLUMBING FIXTURE SCHEDULE.  
 ISOMETRIC DIAGRAMS ARE FOR SIZING PURPOSES ONLY AND SHALL NOT BE USED FOR MATERIAL TAKE-OFFS, OR BE CONSIDERED TO INDICATE ACTUAL SITE INSTALLATION. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.  
 PROVIDE PROPERLY SIZED WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES WHETHER INDICATED OR NOT ON PLAN.



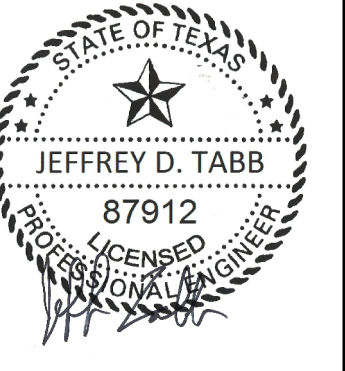
**2 PLUMBING RISERS**  
 P2.0 NTS

**GENERAL NOTES:**

- ALL FIXTURES, EQUIPMENT AND PLUMBING LINES SHOWN WITH (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING ALL WORK UNDER THIS SECTION OF THE PROJECT IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES INCLUDING THOSE PUBLISHED BY OSHA AND EPA.
- THE EXTENT OF WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED PRIOR TO BIDDING. CONTRACTOR SHALL IDENTIFY/VERIFY ALL PLUMBING LINES BEFORE STARTING ANY WORK.
- CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.
- ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.
- PROVIDE ALL WORK REQUIRED FOR THE REMOVAL OF FIXTURES TO BE DEMOLISHED AND INSTALLATION OF NEW FIXTURES AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE MECHANICAL AND ELECTRICAL DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.
- COORDINATE PLUMBING SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.
- CONTRACTOR SHALL REMOVE ANY AND ALL ABANDONED/UNUSED PIPING, FITTINGS AND APPURTENANCES BACK TO LAST ACTIVE SOURCE; FIELD VERIFY FOR EXACT LOCATIONS.
- EVERY EFFORT HAS BEEN MADE TO SHOW THE APPROXIMATE LOCATIONS OF CONNECTIONS TO THE EXISTING PIPING AND OTHER APPURTENANCES RELATED TO THIS PHASE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ABOVE INFORMATION. CONTRACTOR SHALL INSPECT AND VERIFY ALL DETAILS AND REQUIREMENTS OF ALL THE CONTRACT DOCUMENTS, PRIOR TO SUBMISSION OF PROPOSAL. ALL DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND ACTUAL, AS-BUILT CONDITIONS SHALL BE RESOLVED BY THIS CONTRACTOR, WHO SHALL PRODUCE DRAWINGS WHICH SHALL BE SUBMITTED TO THE ARCHITECT/OWNER FOR REVIEW.

**PLUMBING KEYED NOTES**

- PROVIDE LAVATORY WITH INSTANTANEOUS WATER HEATER WITH ASSE 1070 LISTED TMV, SET AT MAX. 110°F, INSTALL UNDER FIXTURE AS HIGH AS POSSIBLE.
- WATER HAMMER ARRESTOR, SIZE AS NOTED, PROVIDE PROPERLY SIZED WATER HAMMER ARRESTOR FOR EACH GROUP OF FIXTURES WHETHER SHOWN OR NOT ON PLANS.
- SHALL VALVE ABOVE CEILING, PROVIDE ACCESS PANEL, WHERE LOCATED IN AN INACCESSIBLE CEILING, PANEL SHALL BE 12"x12" PAINTED TO MATCH CEILING. PROVIDE MARKING OF VALVE LOCATION ALONG THE CEILING TILE.
- POINT OF CONNECTION TO EXISTING UTILITY, FIELD VERIFY EXACT LOCATION OF EXISTING UTILITY.
- SANITARY LINE SERVING 2ND FLOOR RESTROOM, ROUTE ABOVE CEILING AND DROP BELOW STAINWELL AND CONNECT TO EXISTING SEWER LINE OUTSIDE THE BUILDING. PROVIDE WALL CLEAN-OUT 24" ABOVE GRADE LEVEL. REPLACE THE FLOOR CONNECTING THE DRAIN LINE TO UNDERGROUND SEWER.
- CONNECT VENT TO EXISTING, FIELD VERIFY LOCATION OF EXISTING VTR, RET. MEPP2.
- PROVIDE FLOOR DRAIN WITH TRAP GUARD SEMI GAS PROTECTION.



10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
 MUNICIPAL BUILDING  
 FIRST FLOOR RENOVATION**  
 200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**FIRST FLOOR PLUMBING PLAN**

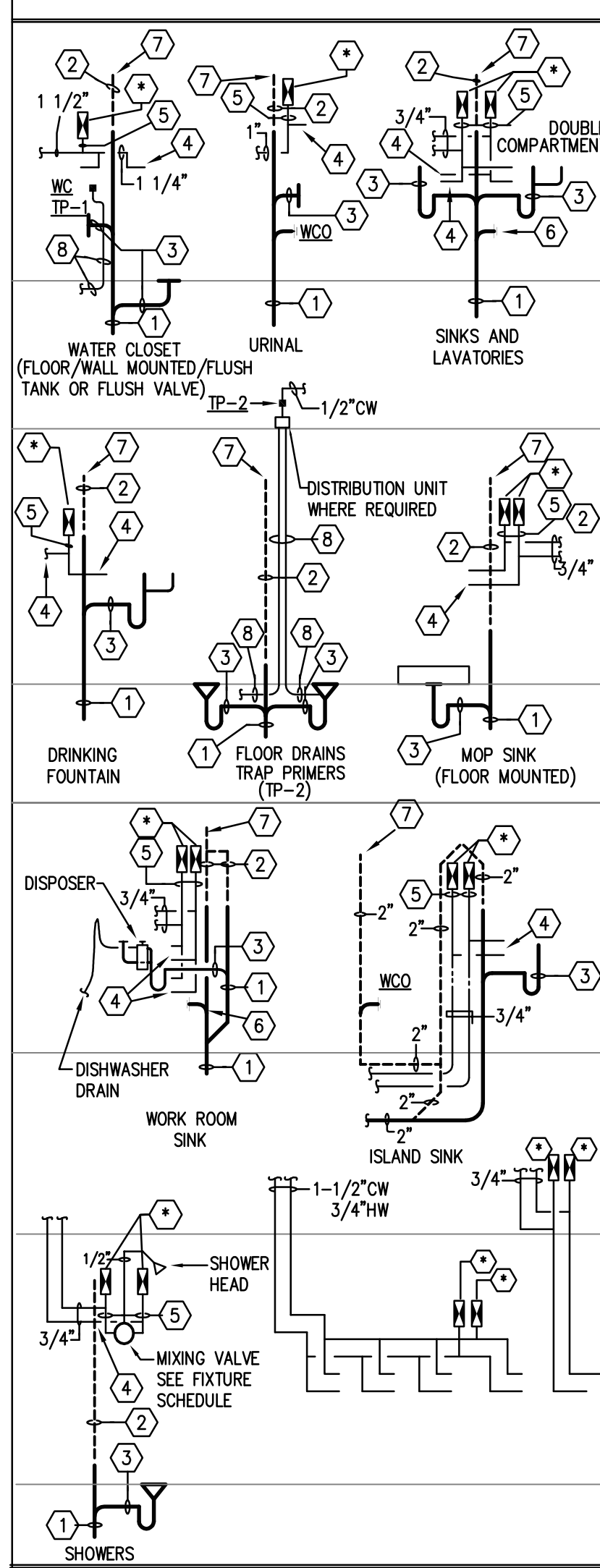
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**P2.0**  
 OF 33

DATE: 10/30/17  
 COMM. NO.: 1609



**PLUMBING RISER DETAILS**



**KEYED NOTES - RISER DIAGRAM DETAILS:**  
(SEE PLUMBING FIXTURE SCHEDULE ON SHEET P3.01)

- 1 REFER TO PLUMBING FIXTURE SCHEDULE FOR SOIL OR WASTE ROUGH-IN PIPE SIZE. MINIMUM SOIL OR WASTE DRAIN LINE SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- 2 REFER TO PLUMBING FIXTURE SCHEDULE FOR SANITARY VENT ROUGH-IN PIPE SIZE. MINIMUM SANITARY VENT BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- 3 REFER TO PLUMBING FIXTURE SCHEDULE FOR FIXTURE DRAIN ROUGH-IN PIPE SIZE. MINIMUM FIXTURE DRAIN AND TRAP SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- 4 REFER TO PLUMBING FIXTURE SCHEDULE FOR WATER PIPING ROUGH-IN PIPE SIZE. MINIMUM WATER SUPPLY BRANCH SIZE (EXCEPT AS NOTED) FOR THIS FIXTURE.
- 5 SHOCK ARRESTOR INLET; REFER TO SHOCK ARRESTOR SCHEDULE FOR SIZE. LOCATION SHOWN HERE FOR INDIVIDUAL FIXTURE WILL VARY WHERE INCLUDED AS PART OF PLUMBING CHASE BATTERY OF PIPING. REFER TO RISER DIAGRAMS FOR BATTERY LOCATIONS. ARRANGE ALL WATER LINES TO GRAVITY DRAIN.
- 6 WALL CLEANOUTS SHALL BE PROVIDED AT ALL END OF BATTERY OR END OF BRANCH LINE FIXTURES AND WHERE REQUIRED BY PLUMBING CODE OFFICIALS TO ASSURE COMPLETE ACCESS TO ALL PORTIONS OF DRAIN.
- 7 SANITARY VENT PIPES SHALL CONTINUE TO CEILING OR HEADER TOGETHER AT MINIMUM 42" ABOVE FINISHED FLOOR.
- 8 TRAP REFILL LINE; SEE PLUMBING DETAILS SHEET. EXTEND AND CONNECT TO FLOOR DRAIN TRAP AS SHOWN.

**PLUMBING GENERAL PLAN NOTES:**

- A ALL PIPE PASSING THROUGH FIRE RATED WALLS OR FLOOR SLABS SHALL BE SUPPORTED AT PENETRATION AND OPENINGS SHALL BE SEALED WITH APPROVED, NON-HARDENING, FIRE STOP MATERIALS AS SPECIFIED OR REQUIRED.
- B CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL CONDITIONS AT THE SITE AND PROVIDE PROPER ROUGH-IN CONNECTIONS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS ARE NECESSARY, CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- C THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. CORRECTIONS OR RELOCATIONS DUE TO MISALIGNED PIPE SHALL BE PERFORMED IN A TIMELY MANNER AT NO ADDITIONAL COST TO OWNER.
- D DO NOT SCALE THE PLUMBING DRAWINGS FOR ROUGH-IN WORK. CONTRACTOR SHALL REFER TO THE DIMENSIONED ARCHITECTURAL AND STRUCTURAL DRAWINGS TO FIELD DETERMINE EXACT LOCATIONS OF PLUMBING ROUGH-IN WORK.
- E SANITARY DRAINAGE PIPING 3" AND SMALLER SHALL HAVE A UNIFORM MINIMUM CONTINUOUS SLOPE OF 1/4 INCH PER FOOT OF RUN. DRAINAGE PIPING OF 4" SIZE AND LARGER SHALL SLOPE MINIMUM 1/8 INCH PER FOOT OF RUN. SLOPE ALL VENT PIPING MINIMUM 6" PER 100 FEET OF RUN BACK TO DRAIN.
- F PROVIDE AND INSTALL CLEANOUTS AT EACH CHANGE OF DIRECTION OF THE BUILDING SANITARY DRAIN, AT MINIMUM 75' INTERVALS ALONG STRAIGHT RUNS OF MAIN DRAIN AND BRANCHES; AT EACH HORIZONTAL CHANGE OF DIRECTION IN SOIL OR WASTE PIPES GREATER THAN 45 DEGREES; AT END OF INDIVIDUAL BRANCH DRAINS LONGER THAN 5'. PROVIDE CLEANOUTS IN ACCORD WITH INTERNATIONAL PLUMBING CODE SECTION 708.
- G INSTALL EACH WATER HEATER AND ALL PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVALS/REPLACEMENTS.
- H PROVIDE ISOLATION VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE APPROVED PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT. PROVIDE STAINLESS STEEL ACCESS PANELS FOR SHOWER, LOCKER AND LOCKER TOILET ROOM PANELS. PROVIDE MARKINGS ON CEILING TILES ON LOCATIONS OF ISOLATION VALVES.
- I THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING LOCATIONS OF ALL SANITARY VENTS UP THROUGH ROOF TO MAINTAIN MINIMUM 15' CLEARANCE TO ANY BUILDING OUTDOOR AIR INLET.

**GENERAL NOTES - PLUMBING FIXTURES**

- 1. MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG OR COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION OF ROUGH-IN WORK.
- 2. FOR ALL FIXTURES AND EQUIPMENT WITH ASSOCIATED TRIM OR COMPONENT ACCESSORIES PROVIDED UNDER SEPARATE DIVISIONS AND REQUIRING PLUMBING CONNECTIONS; THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
- 3. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF EQUIPMENT TO BE SUPPLIED FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS BEFORE BEGINNING WORK.
- 4. ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES. SUPPLY RISERS SHALL BE STAINLESS STEEL FLEXIBLE CONNECTORS.
- 5. ALL P-TRAPS WITHIN THE BUILDING, ABOVE GRADE AND EXPOSED TO INSPECTION SHALL BE C.P. ADJUSTABLE, CAST BRASS WITH CLEANOUT PLUG. PROVIDE CAST BRASS SLIP NUTS AND WASHERS, 17 GAGE SEAMLESS TUBULAR BRASS DRAIN TO WALL AND WALL FLANGE. PROVIDE McGUIRE No. 8872C, 1-1/4" P-TRAP FOR ALL LAVATORIES AND SIMILAR FIXTURES PROVIDE McGUIRE No. 8912C, 1-1/2" P-TRAP FOR ALL SINKS AND SIMILAR FIXTURES.
- 6. PROVIDE DEEP SEAL P-TRAP FOR ALL DRAINS OF INFREQUENT USE OR REQUIRING TRAP PRIMER.
- 7. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED, WROUGHT BRASS DEEP BELL OR BOX ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL. STEEL ESCUTCHEON PLATES ARE NOT ACCEPTED.
- 8. ALL EXPOSED BRASS SHALL BE CHROME PLATED.
- 9. ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH ♿ SHALL BE PROVIDED OF APPROVED TYPES AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHTS AND CLEARANCES, AS PRESCRIBED BY AMERICANS WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ACCESSIBILITY CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS. PROVIDE FIXTURES WITH DEPTHS AT MAXIMUM PERMITTED AND AVAILABLE FOR INTENDED FIXTURE USE.
- 10. ALL WHEELCHAIR LAVATORY AND SINK PIPING WHERE EXPOSED SHALL BE INSULATED. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO PROVIDE MINIMUM CLEARANCES. REFER TO SPECIFICATIONS SECTION 15440.
- 11. ALL SINKS FOR HANDICAPPED USE SHALL BE STAMPED WITH DRAIN OUTLET AT REAR OF BOWL.
- 12. PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 2.2 GPM FLOW CONTROL.
- 13. ORIENT ADA WATER CLOSET FLUSH VALVE WITH OPERATOR ON WIDE SIDE OF ENCLOSURE.
- 14. SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
- 15. FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF UNIFORMLY SLOPED FLOOR. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO INSURE FLOORS ARE SLOPED UNIFORMLY ACROSS ENTIRE TOILET ROOMS OR OVER AS WIDE AN AREA AS PRACTICAL FOR OPEN AREA FLOOR DRAINS. CONVEX FLOOR SLOPE IN THE IMMEDIATE VICINITY OF THE FLOOR DRAIN IS NOT ACCEPTABLE.

**PLUMBING FIXTURE SCHEDULE**

PLAN MARK	MINIMUM ROUGH-IN SIZES				DESCRIPTION	
	WST & VENT	DRAIN	CW	HW		
WATER CLOSET WC-1	3"	2"	4"	1/2"	----	KOHLER "CIMARRON" COMPLETE SOLUTION K-11451 ELONGATED, WITH AquaPiston FLUSHING SYSTEM. INCLUDES SEAT, COVER, WAX RING, TRIP LEVER, AND HARDWARE. CHROME PLATED SUPPLY AND STOP. 1.28 GPF, 12" ROUGH-IN, 16 1/2" RIM HEIGHT.
LAVATORY-COUNTER TOP L-1	2"	1-1/2"	1-1/4"	1/2"	1/2"	KOHLER "PENNINGTON" DROP-IN K-2196-4 WHITE VC LAVATORY WITH FRONT OVERFLOW W/ SINGLE HOLE FOR CHICAGO FAUCET 116.221.AB-E2805, WITH 6 VOLT LITHIUM BATTERY.
ELECTRIC DRINKING FOUNTAIN EDF-1	2"	2"	1-1/2"	1/2"	----	ELKAY EMABFTL8 BARRIER-FREE ACCESS, LEAD FREE WALL MOUNTED BI-LEVEL DUAL WATER COOLER, 8.0 GPH CAPACITY COOLED TO 50° F WITH 80° F AMBIENT TEMP; 1/5 HP, 4.0 FL. AMPS WIRED FOR 120V/60/1 POWER. PROVIDE ZURN OR EQUAL FLOOR MOUNTED PLATE TYPE CARRIER. PROVIDE APRON FOR SIDE ACCESS CLEARANCE (LAKAPREZL) AND TRAP AND SUPPLY AS NOTED BELOW. PROVIDE WITH ALL STAINLESS STEEL CABINET.
FLOOR DRAIN FD-1	3"	2"	----	----	----	ZURN No. ZN-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE "B" STRAINER. W/ PROSET TRAPGUARD
WALL CLEAN-OUT WCO	----	----	----	----	----	ZURN No. ZN-1443 DURO-COATED CAST IRON CLEANOUT TEE WITH COUNTER-SUNK GASKET. WATER TIGHT THREADED PLUG AND SQUARE SMOOTH ACCESS COVER WITH VANDAL PROOF SCREWS.
INSTANTANEOUS WATER HEATER IWH-1, IWH-2	----	----	----	1/2"	1/2"	INSTANT-FLOW MICRO MIX WATER HEATER EQUAL TO CHRONOMITE M-30L/208-MM, 208V/1PH, 6.24 KW, 30 AMPS, 53°F RISE AT 0.8 GPM. WITH ASSE1070 MIXING VALVE SET AT 110°F.

**PLUMBING PIPE MATERIALS SCHEDULE**

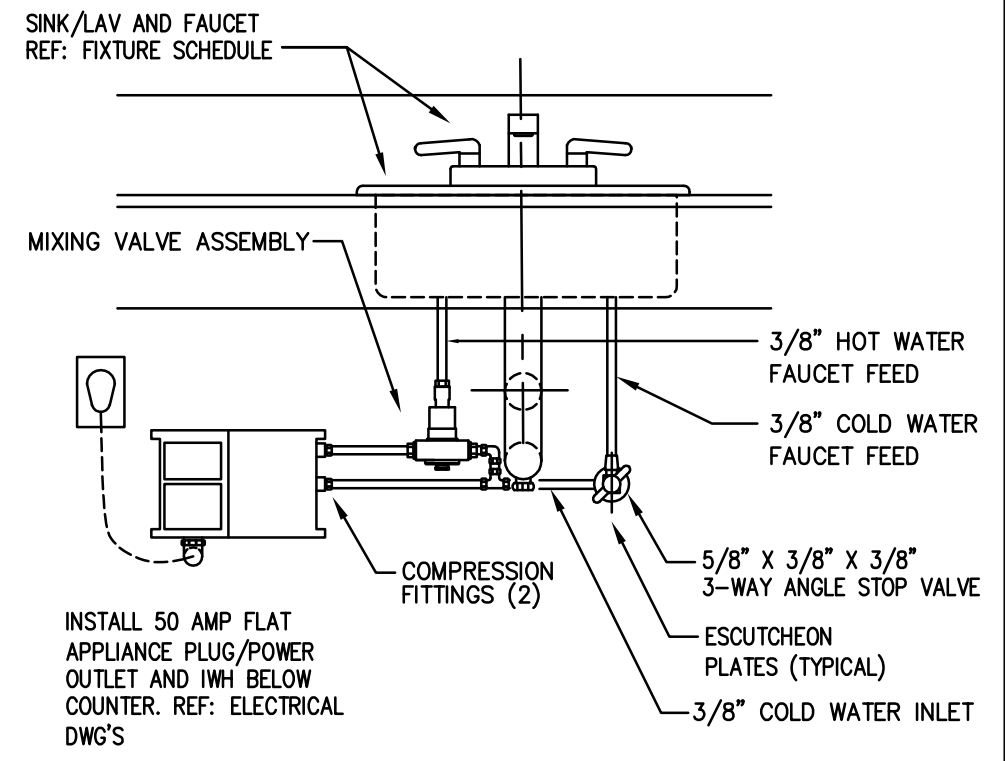
PIPING SYSTEM	SCHEDULE
SANITARY DRAINS AND VENTS INSIDE BUILDING AND BELOW GROUND	SCHEDULE 40 PVC DWV
SANITARY DRAINS AND VENTS INSIDE BUILDING AND ABOVE GROUND	SCHEDULE 40 PVC DWV
SANITARY DRAINS AND VENTS INSIDE BUILDING AT PLENUM CEILING	SCHEDULE 40 PVC DWV
DOMESTIC HOT & COLD WATER INSIDE BUILDING AND ABOVE GROUND	COPPER, TYPE "L" HARD DRAWN

**SHOCK ARRESTOR SCHEDULE**

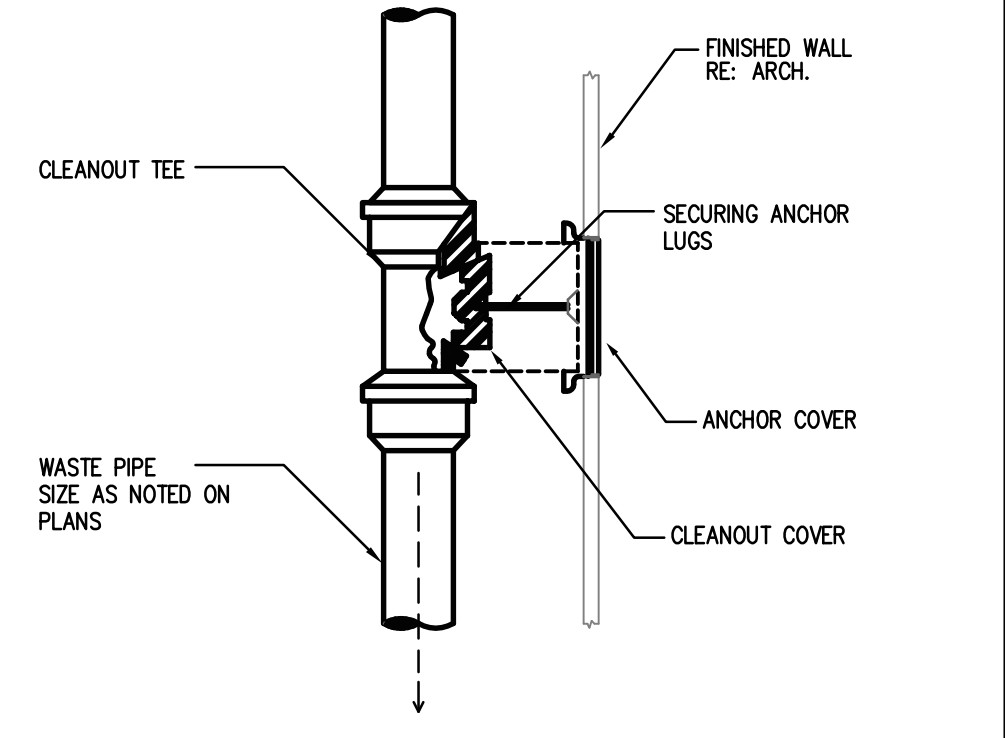
P.D.I. SYMBOL	FIXTURE UNITS	SIZE
A	1-11	1/2" NPT
B	12-32	3/4" NPT
C	33-60	1" NPT
D	61-113	1 1/4" NPT
E	114-154	1 1/2" NPT
F	155-330	2" NPT

PIPING RISER DIAGRAMS ILLUSTRATE SHOCK ARRESTORS FOR FIXTURE WATER PIPE OPENINGS. SHOCK ARRESTORS, WHERE USED, SHALL BE SIZED AS NOTED IN PLUMBING RISER DETAILS ON THIS SHEET OR PER PLUMBING CODE REQUIREMENTS, WHICHEVER PLACES THE MOST STRINGENT REQUIREMENT.

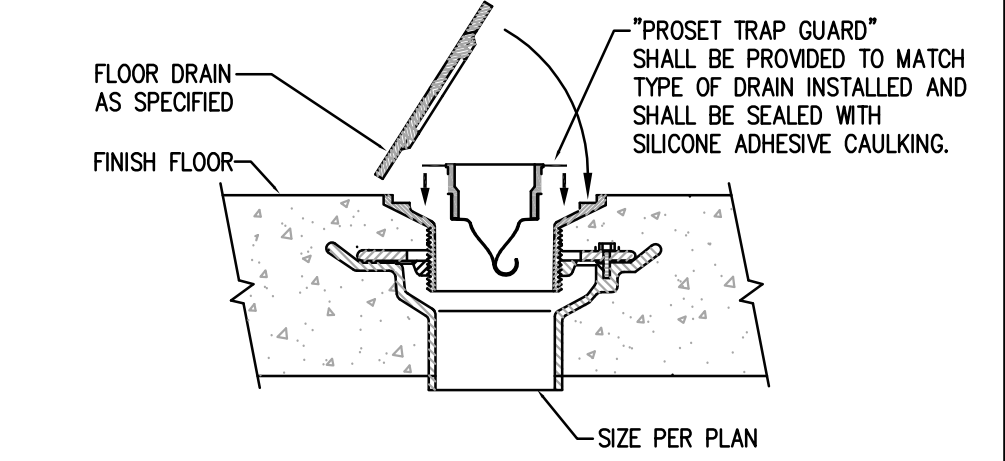
SHOCK ARRESTORS SHALL HAVE LIFETIME WARRANTY AND SHALL BE CERTIFIED BY THE MANUFACTURER TO BE SUITABLE FOR INSTALLATION WITHOUT REQUIREMENT FOR ACCESS DOORS.



**1 INSTANTANEOUS WATER HEATER**  
NOT TO SCALE



**2 WALL CLEAN-OUT DETAIL (WCO)**  
NOT TO SCALE



NOTE: INSTALL PER MANUFACTURER'S RECOMMENDATION FOR WATERTIGHT SEAL.

**3 TRAPGUARD DETAIL**  
NOT TO SCALE



10/30/2017

NO.	DATE	DESCRIPTION

**CITY OF KINGSVILLE  
MUNICIPAL BUILDING  
FIRST FLOOR RENOVATION**  
200 E. KLEBERG AVENUE, KINGSVILLE, TEXAS  
**PLUMBING SPECIFICATIONS**

Plotted: Oct 25, 2017, 2:17 PM by user: fleccitico - Saved: 10/24/2017 by user: moneal  
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