



ADDENDUM NUMBER: #1

Date: December 3, 2025

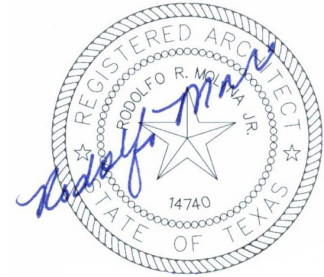
Milnet Project No.: 224026

Project Name: STARR COUNTY COURTHOUSE
TEMPORARY HOUSING INTERIOR BUILD-OUT

Date: December 3, 2025

Bid Date: **December 4, 2025**

Architect: Milnet Architectural Services, PLLC
608 S. 12th St.
McAllen, TX 78501



NOTICE TO ALL BIDDERS

This Addendum forms a part of the Contract Document and modifies the original drawings issued for bids to the extent noted herein.

Careful note of this Addendum shall be taken by all parties of interest so that proper allowance is made in all computations, estimates, and contracts, and so that all trades affected are fully advised in the performance of work that will be required by them. Please acknowledge receipt of this addendum by inserting its number and date of issue in the place provided for the same in the proposal.

Items revised on the Drawings are designated by a cloud line and a triangle surrounding the corresponding revision number.

This Addendum supersedes all previous Drawings, Specifications, and instructions pertaining to these items. It is imperative that this addendum be inserted INTO the set of specifications.

1.01 The Bid Date has been extended to Thursday, December 11, 2025, at 3 pm.

1.02 QUESTION: Has an asbestos survey been completed?

RESPONSE: The asbestos report will be provided by the owner at a later date.

1.03 QUESTION: What is the intended finish for the holding cell restroom walls?

RESPONSE: Restrooms will have a glazed CMU finish on all exposed sides.

1.04 QUESTION: What is the scope of work for the existing roof?

RESPONSE: The only work concerning the roof is at the new bathroom additions at the back of the building. Insulation will be added, and the new construction is to be adequately sealed and tied into the existing roof.

1.05 CORRECTION: Sheet A0.1- Egress Plan:

- **Revised Fire Protection notes & Code Summary**



1.06 CORRECTION: Sheet AS1.0- Site Plan:

- Corrected security fence height notes at enlarged floor plan to 10'-0". Ref: 2/AS1.0
- Revised note for caliche to have a 6" depth

1.07 CLARIFICATION: Sheet D2.0- Demo Elevations:

- Noted portion of metal panels to be deleted at North Elevation

1.08 CORRECTION: Sheet A1.0- Floor Plan:

- Added general note No. 15 for maximum capacity signage
- Added partition Type "J" tag to walls at Judge's bench areas
- Reconfigured walls, millwork, and raised floor area at jury boxes
- Deleted dimensions at framing for existing columns at courtroom south walls
- Added dimensions for low walls in courtrooms
- Extended wall to match the length of the ramp in Judge's Quarters, Ref: 2/A6.0

1.09 CORRECTION: Sheet A3.0- Enlarged Plans:

- ADA 42" grab bar adjusted to 1'-0" from the wall
- ADA toilet paper dispenser adjusted to 8" from the water closet
- Adjusted door in Men's R.R. to 4" from the wall
- ADA restroom partition adjusted to 5'-0"
- ADA restroom partition doors note added to be 3'-0" self-closing door
- ADA 36" grab bar adjusted to 6" from the wall
- ADA water closet adjusted to 1'-6" and added dimension
- Adjusted water closet, urinal, and partition, Ref: 1/A3.0 for new Dims.
- Adjusted framing at the north wall of the Men's Restrooms ADA stall

1.10 CORRECTION: Sheet A3.1- Restroom Elevations:

- ADA 42" grab bar adjusted to 1'-0" from the wall
- ADA water closet centered 1'-6" from wall, Ref: 1/A3.1 & 2/A3.1
- Added dimension to grab bar located in holding cell, Ref: 1/A3.1 & 2/A3.1

1.11 CLARIFICATION: Sheet A4.0- Reflected Ceiling Plan:

- Revised legend notes for the ceiling type in the holding cells
- Adjusted ceilings to match the new layout at jury box areas



1.12 CORRECTION: Sheet A6.0- Interior Elevations:

- Updated wall length to extend to ramp end. Ref: 2/A6.0

1.13 CORRECTION: Sheet A7.0- Schedules:

- Deleted Door type G
- Revised Door Schedule to remove doors 103B & 130B, swing doors are to be included as part of the millwork

1.14 CORRECTION: Sheet A7.1- Finish Floor Plan:

- Adjusted floor finishes to match new configuration at jury boxes

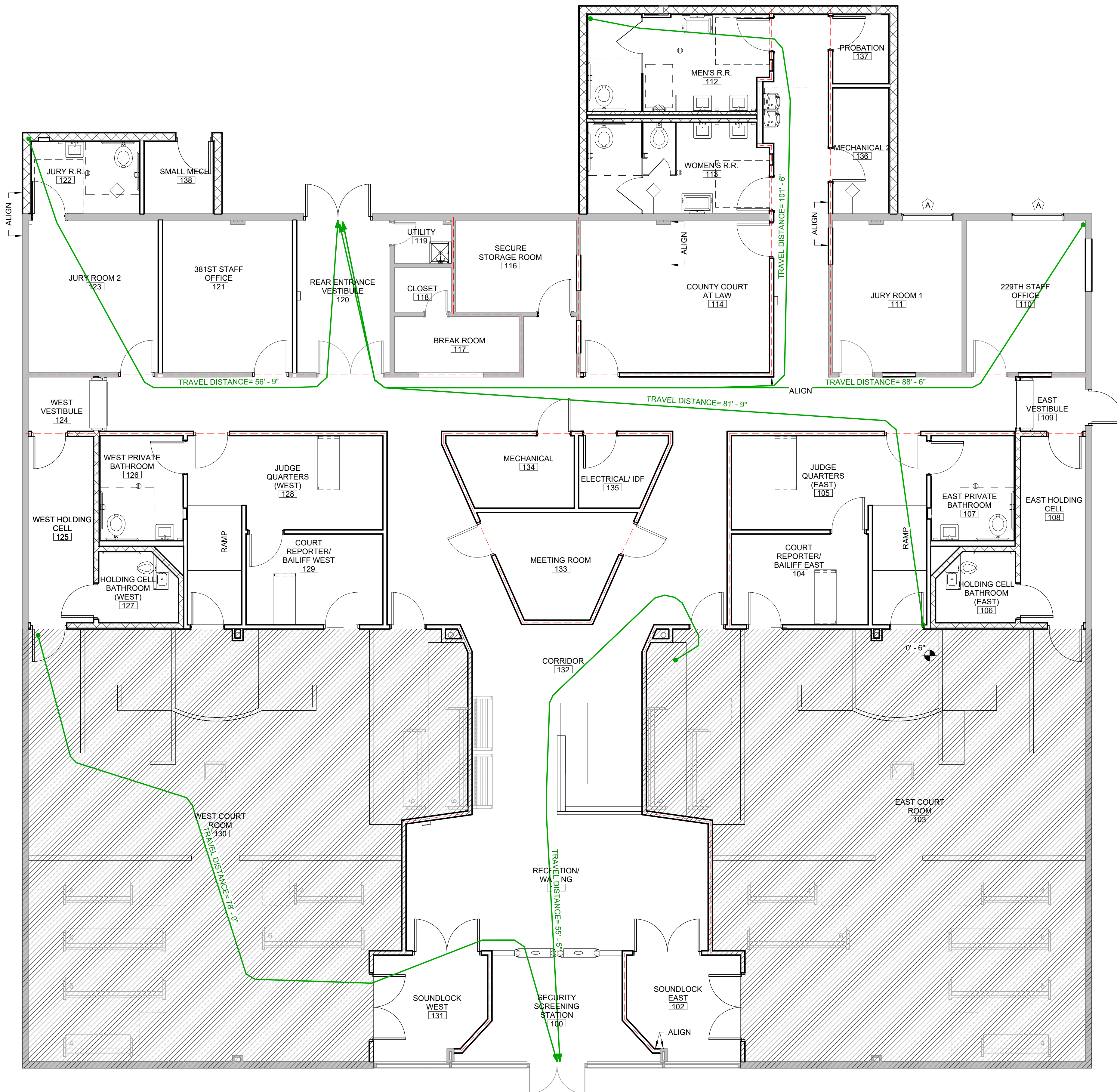
1.15 CORRECTION: Sheet A7.2- Partition Schedule:

- Added partition type "J"
- Revised notes on partitions tagged as fire rated for Gyp. BD. to be (Type X)
- Updated ceilings on partition types "F" and "F1"

1.16 CORRECTION: Revised Door Hardware Schedule/ Specs, RE: SPEC 08 71 00

- Deleted doors 103B & 130B, Swing doors are to be included as part of millwork

END OF ADDENDUM



1 EGRESS PLAN
3/16" = 1'-0"

GENERAL NOTES:

- OCCUPANT LOAD SIGNS SHALL BE POSTED IN ANY ROOM WITH AN OCCUPANT LOAD OVER 50.
- PROVIDE PANIC HARDWARE FOR GROUP "A" OCCUPANCIES WITH AN OCCUPANT LOAD OF 50 OR MORE.
- ALL FIRE AND SMOKE STOP RATED PARTITIONS MUST BE MARKED WITH 2.5" MIN. RED LETTERING ABOVE CEILING AS FOLLOWS: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS"

APPLICABLE CODES:

INTERNATIONAL EXISTING BUILDING CODE 2018
2012 TEXAS ACCESSIBILITY STANDARDS
INTERNATIONAL MECHANICAL CODE 2018
INTERNATIONAL PLUMBING CODE 2018
2015 NATIONAL ELECTRICAL CODE
INTERNATIONAL ENERGY CODE 2018
INTERNATIONAL FIRE CODE 2018

CODE SUMMARY

BUSINESS
AREA GROSS 4,732 S. F.
OCCUPANCY CLASSIFICATION GROUP "B-2"
CONSTRUCTION TYPE II B - UNPROTECTED, UNSPRINKLERED

ASSEMBLY
AREA GROSS 3,005 S. F.
OCCUPANCY CLASSIFICATION GROUP "A-3"
CONSTRUCTION TYPE II B - UNPROTECTED, UNSPRINKLERED

TOTAL AREA GROSS 7,737 S. F.

COVERED PORCH 1,195 S. F.

BUSINESS GROUP B-2 OCCUPANCY
4,732 SQFT. NET USABLE @ 150 SQFT. PER OCCUPANT 32 OCCUPANTS

ASSEMBLY A-3 OCCUPANCY
@ FIXED SEATING 90 OCCUPANTS

TOTAL: 122 OCCUPANTS

- FIRE PROTECTION
- AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED DUE TO:
- FIRE AREA DOES NOT EXCEED 12,000 SQFT
 - FIRE AREA DOES NOT HAVE AN OCCUPANT LOAD OF 300 OR MORE
 - FIRE AREA IS LOCATED ON A LEVEL OF EXIT DISCHARGE
 - OCCUPANT LOAD IS LESS THAN 300 FOR GROUP A OCCUPANCY LOAD
 - PROVIDE COMPLETE FIRE ALARM SYSTEM AS REQUIRED BY CODE

PLUMBING FACILITIES

	OFFICE FOR 32 OCCUPANTS REQUIRED	ASSEMBLY FOR 90 OCCUPANTS REQUIRED	HAVE 8 W/C & 1 URINAL
WATER CLOSETS	2	3	9
LAVATORIES	2	2	2
DRINKING FOUNTAINS	1	1	1
OTHER	1 SERVICE SINK	1 SERVICE SINK	1

EGRESS WIDTH PER OCCUPANT SERVED
0.15" PER OCCUPANT
262 * 0.15" = 39.3"
60"

OCCUPANCY LEGEND

- BUSINESS & ANCILLIARY AMENITIES
- ASSEMBLY

CODE PLAN LEGEND

LINE TYPE INDICATES: 1-HOUR FIRE RATED PARTITION WITH DAMPERS, 1/3 HOUR DOOR RATED ASSEMBLY

LINE TYPE INDICATES: EMERGENCY EXIT PATH OF TRAVEL

PARKING COUNT

PARKING SPACES REQUIRED: 1 SPACE/ 300 SQ FT
7,737/300 = 26

HANDICAP SPACES REQ. = 2 SPACES
TOTAL PARKING SPACES REQUIRED: 28 SPACES

CURRENT DESIGN:

PARKING SPACES
26 TOTAL PARKING SPACES
2 A.D.A PARKING SPACES



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11.12.2025

STARR COUNTY COURTHOUSE TEMPORARY
HOUSING INTERIOR BUILD-OUT
STARR COUNTY
1920 US-83 RIO GRANDE CITY, TX

PROJECT NUMBER
224026

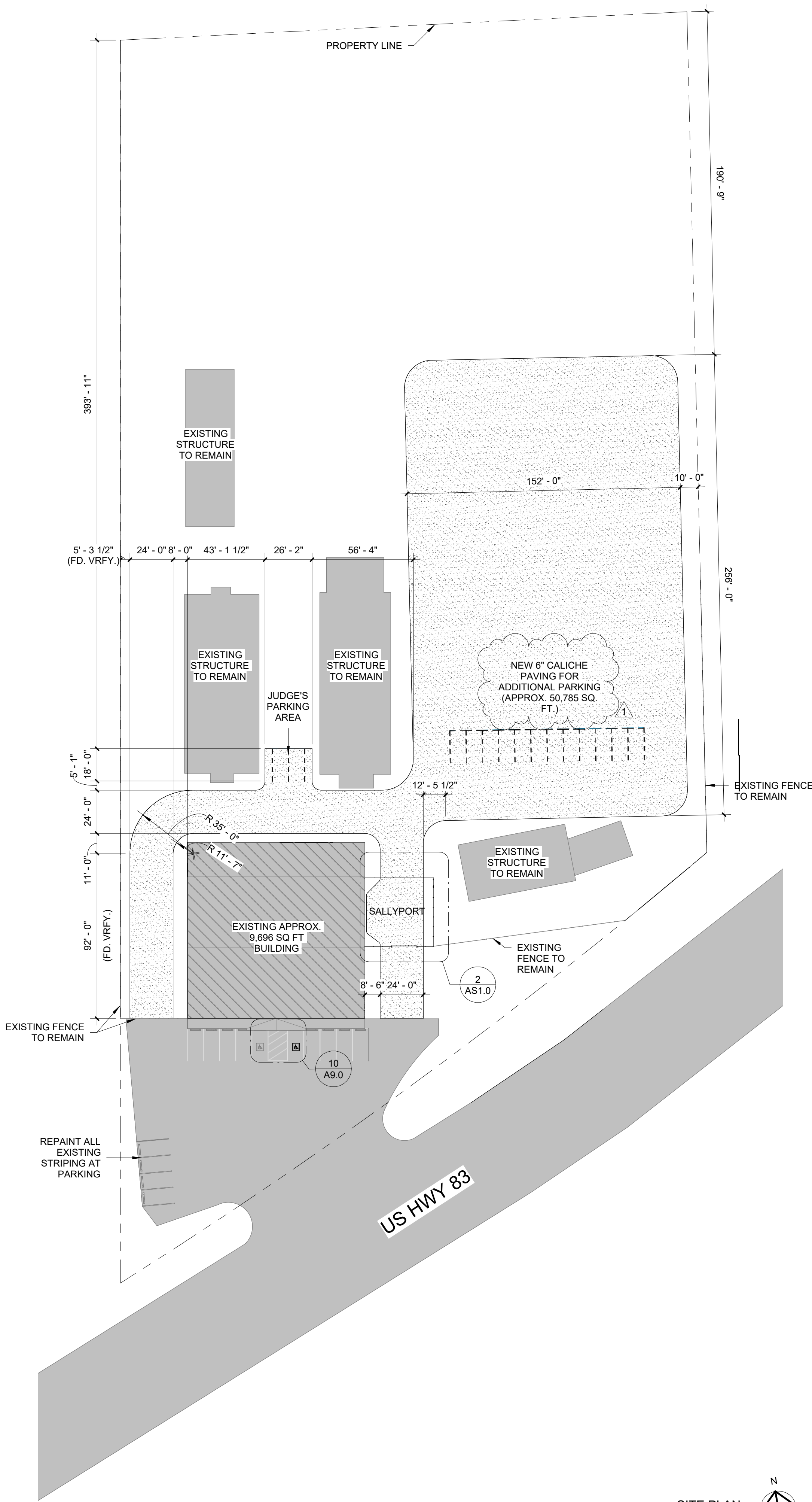
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ISSUE FOR BIDS

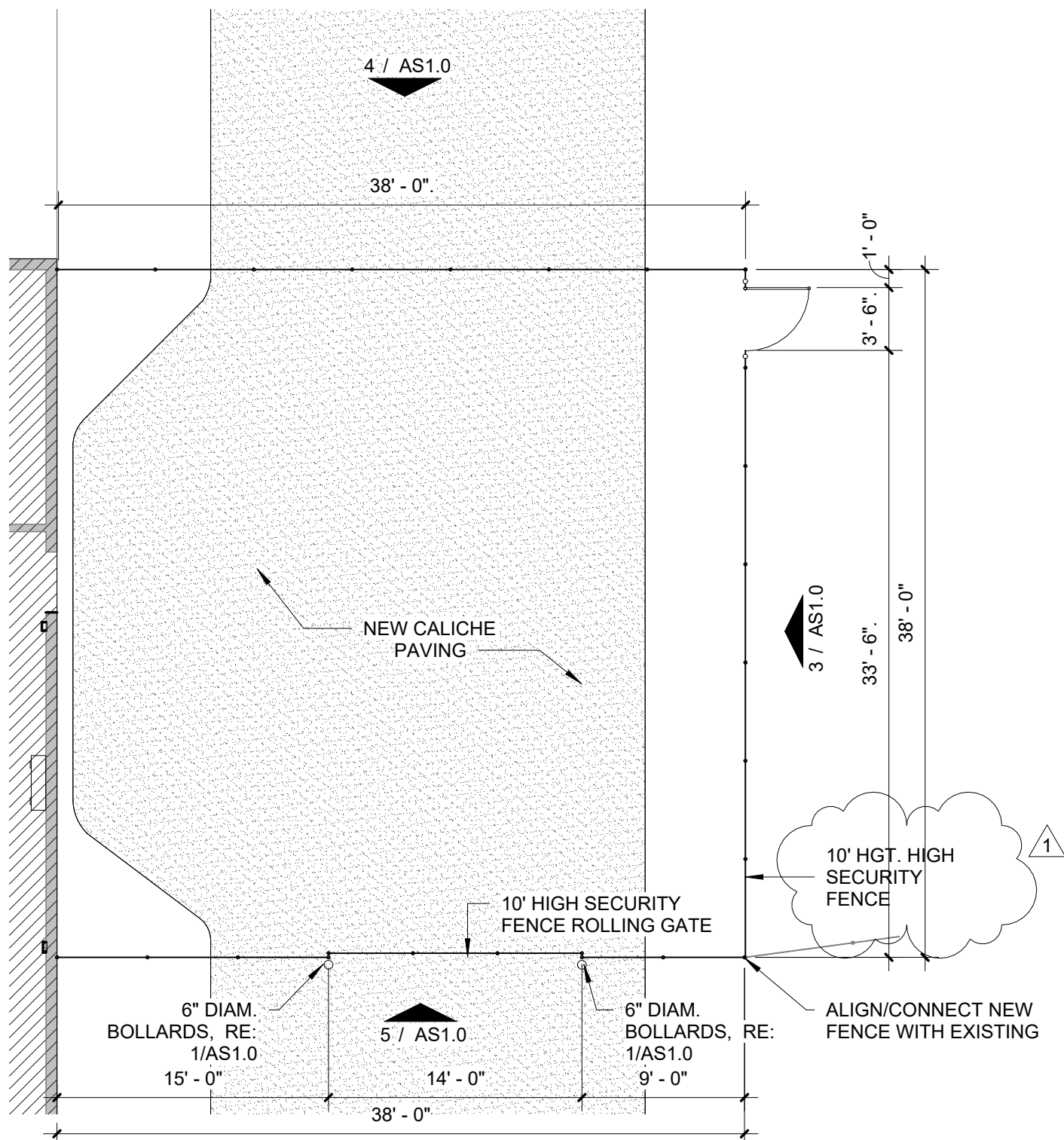
ADD NO.1 12/03/2025

SHEET NUMBER

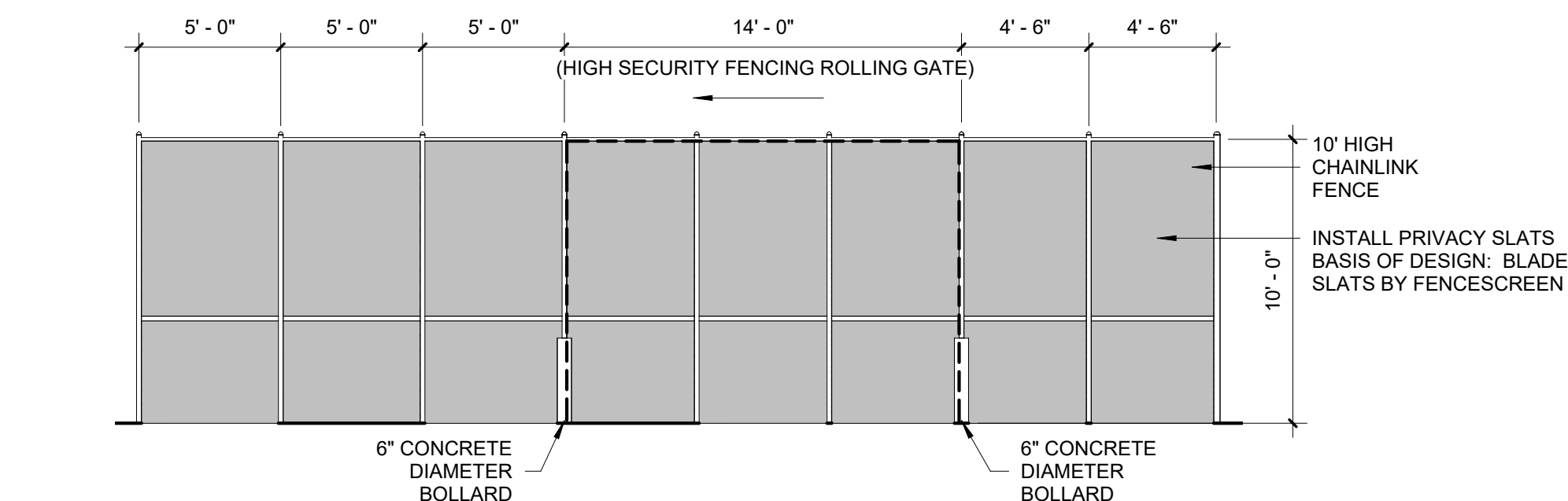
A0.1



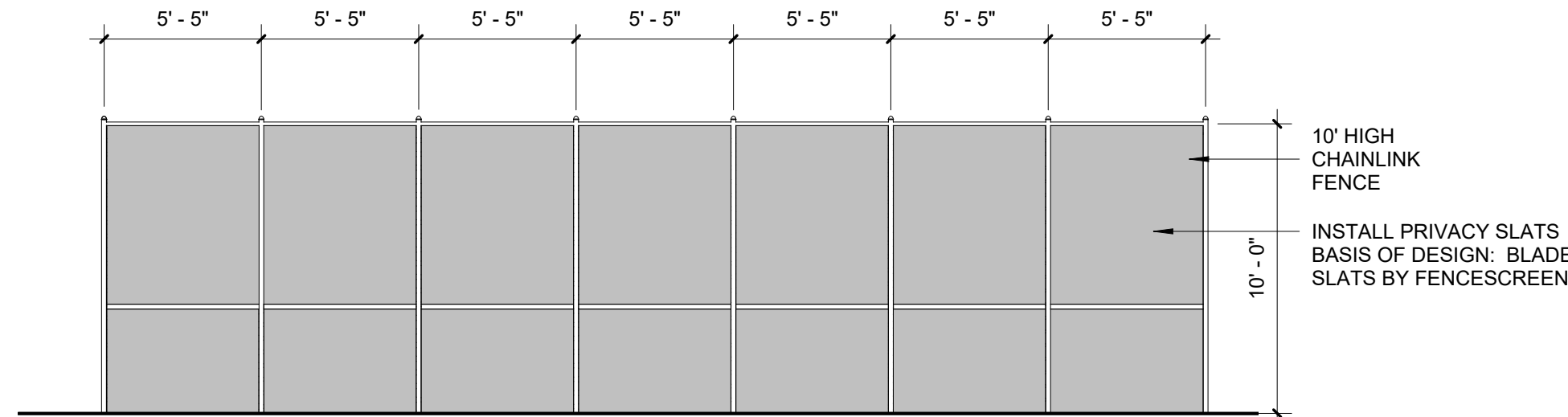
6 SITE PLAN
1" = 40'-0"



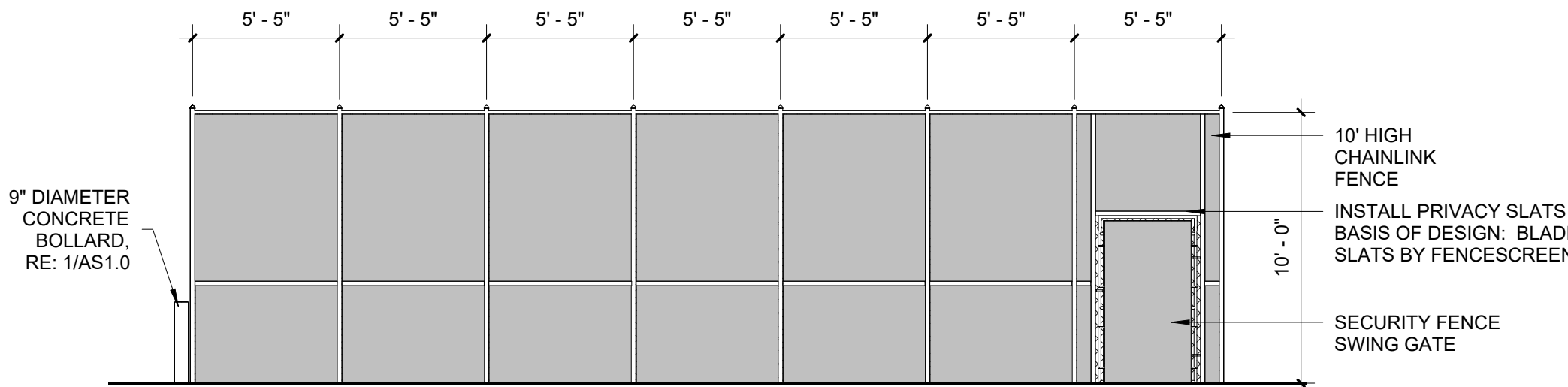
2 SALLY PORT PLAN
1/8" = 1'-0"



5 SALLYPORT SOUTH ELEVATION
3/16" = 1'-0"



4 SALLYPORT NORTH ELEVATION
3/16" = 1'-0"

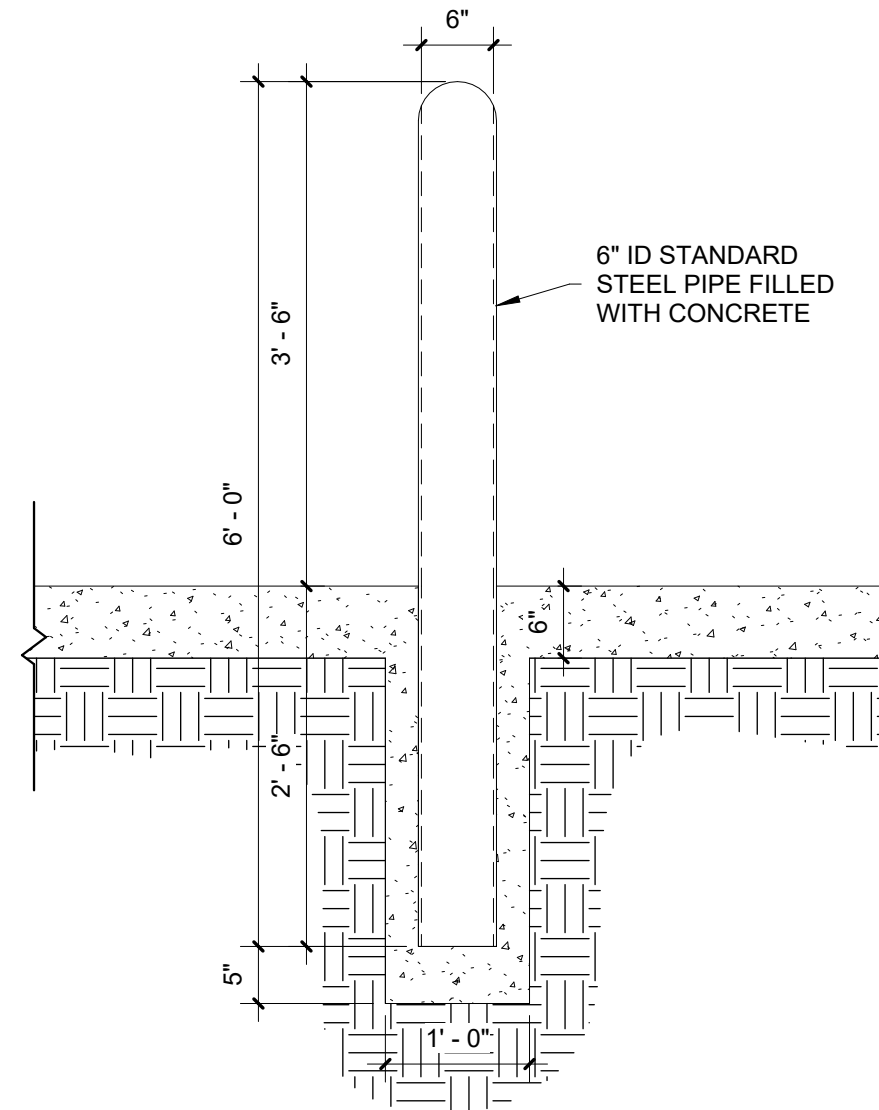


3 SALLYPORT EAST ELEVATION
3/16" = 1'-0"

GENERAL NOTES:

- OWNER WILL PROVIDE SOIL TESTS PRIOR TO FOUNDATION WORKS.
- PROVIDE SIDEWALK AS PART OF BASE BID.
- RE: CIVIL FOR UTILITY CONNECTIONS (U.R. WATER & SEWER.)
- WARNING:
CONTACT 1-800-DIG-TEST FOR UNDERGROUND ELECTRICAL CABLES IN SITE.
- ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE, GRADING AND PAVING TO BE IN ACCORD WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
- ALL SOIL PLACED ONTO SITE IS TO BE COMPACTED TO 80% DENSITY, EXCEPT UNDER ANY PAVING COMPACTION IS TO BE 95%, BY OWNER. RE: CIVIL FOR ADDT. INFO.
- CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PAYING ANY FEES FOR PERMITS AS MAY BE REQUIRED FOR THIS CONSTRUCTION.
- ALL PIPE SLEEVES SHALL BE SCH. 40 PVC AND FURNISHED IN PLACE BY THE CONTRACTOR BEFORE PAVING.

TUELECTRIC SLEEVES:
6" SLEEVES ARE TO BE DOVE GREY AND PLACED 48" BELOW TOP OF CURB ELEVATIONS. WITH END CONDUIT MARKERS FURNISHED BY TUELECTRIC PLACED ON EACH END OF CONDUIT.
IRRIGATION SLEEVES:
2" & 4" SLEEVES ARE TO BE PLACED 24" BELOW TOP OF CURB.
- CONTRACTOR TO SET CONTROL GRADES AT 25' INTERVALS ALONG ALL PAVING FLOW LINES.
- CONTRACTOR TO PROVIDE JOB SIGN. RE: 4/A9.0
- ALL SIDEWALKS AND COVERED WALKWAYS SHALL HAVE 1:50 MAXIMUM CROSS SLOPE. SIDEWALKS OR COVERED WALKWAYS THAT MUST HAVE SLOPES GREATER THAN 1:20 SHALL HAVE HANDRAILS ON BOTH SIDES WITH 4" HIGH CONC. CURBS ON BOTH SIDES. HANDRAILS SHALL BE 34" TO TOP A.F.F. THERE SHALL BE NO ABRUPT CHANGE IN ELEVATION ALONG ACCESSIBLE ROUTES AT SIDEWALKS AND COVERED WALKWAYS.
- CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM WITH 1:10 FLARED SIDES AND SHALL BE TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. PARALLEL CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM & TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. ALL CURB RAMP SHALL HAVE A LANDING AT TOP & BOTTOM. LANDINGS SHALL HAVE A 1:50 MAXIMUM SLOPE IN ANY DIRECTION.
- STRIPED ACCESS AISLES AND ACCESSIBLE PARKING SHALL HAVE A MAXIMUM CROSS SLOPE IN ALL DIRECTIONS OF 1:50.
- ALL GRADING SHALL BE DONE TO DRAIN WATER AWAY FROM BUILDINGS.
- ALL EXTERIOR ALCOVES SHALL HAVE A 1:50 MAXIMUM SLOPE AND SHALL HAVE NO DROPS AT DOORS NOR AT CONNECTING SIDEWALKS.
- REFER TO CIVIL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ARCHITECT IN CASE OF DISCREPANCIES AND COORDINATING WITH CIVIL ENGINEER PRIOR TO PROCEEDING.
- PROVIDE 2" X 4" CONCRETE SPLASH BLOCK AT DOWNSPOUT LOCATIONS.
- ALL EXTERIOR DOORS SHALL HAVE A LEVEL AREA WITH A 1:50 MAXIMUM SLOPE IN ALL DIRECTIONS. THE AREA SHALL BE A MINIMUM OF 5 FT. IN THE DIRECTION OF TRAVEL BY THE WIDTH OF THE SIDEWALK.



1 BOLLARD DETAIL
3/4" = 1'-0"



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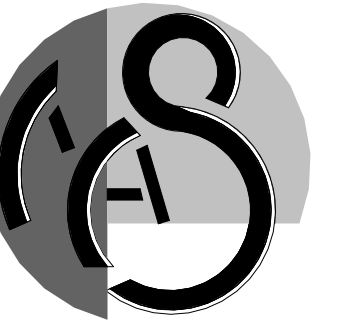
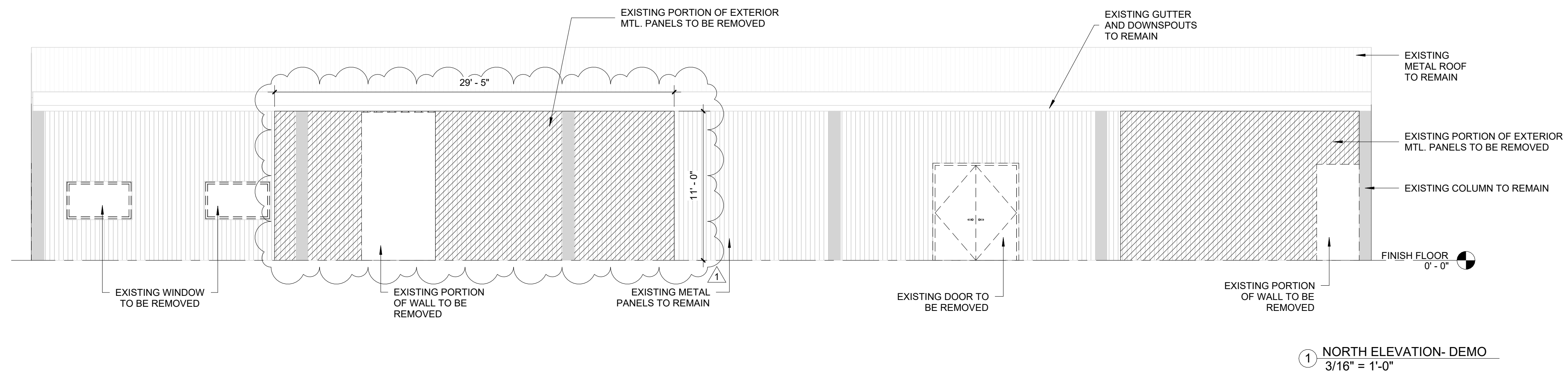
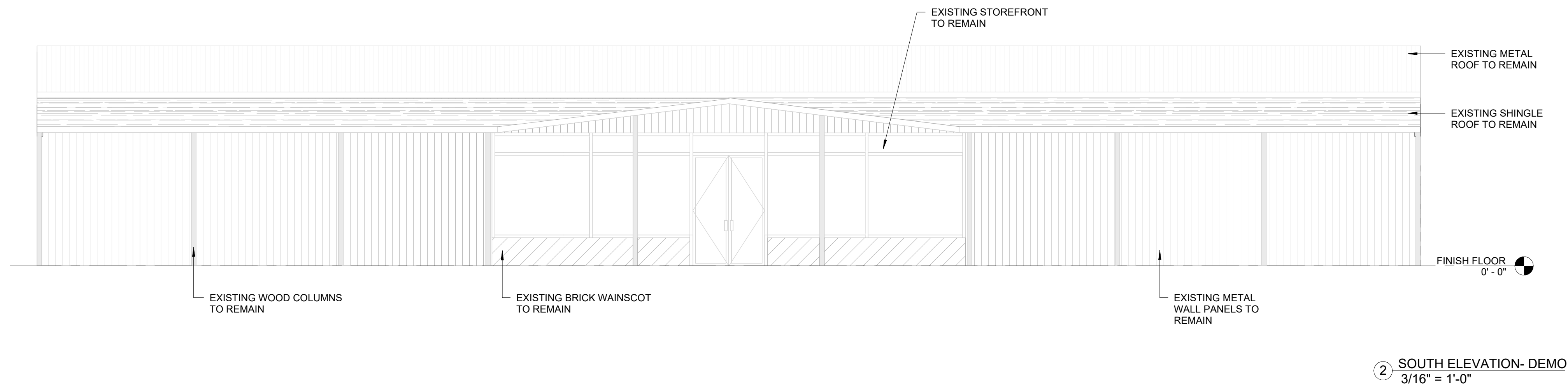
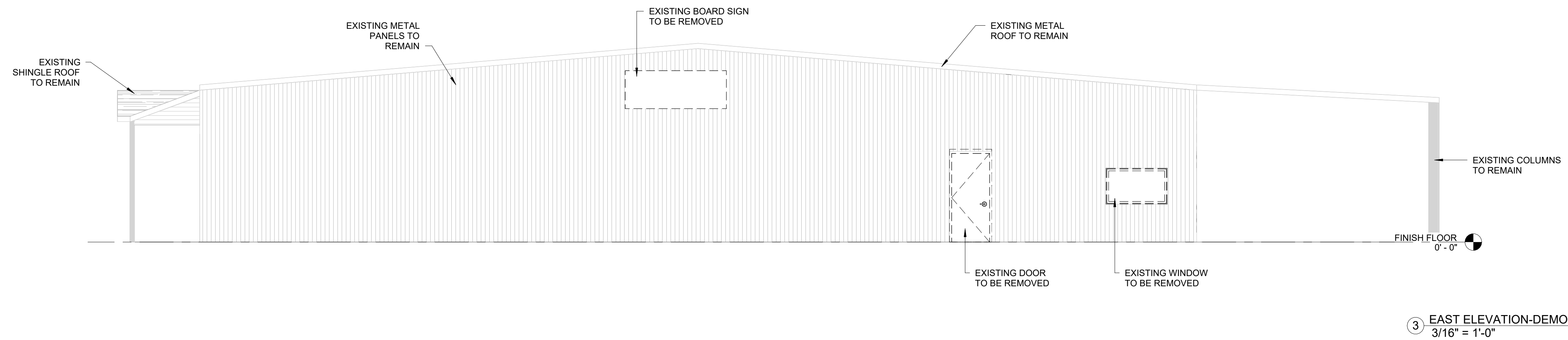
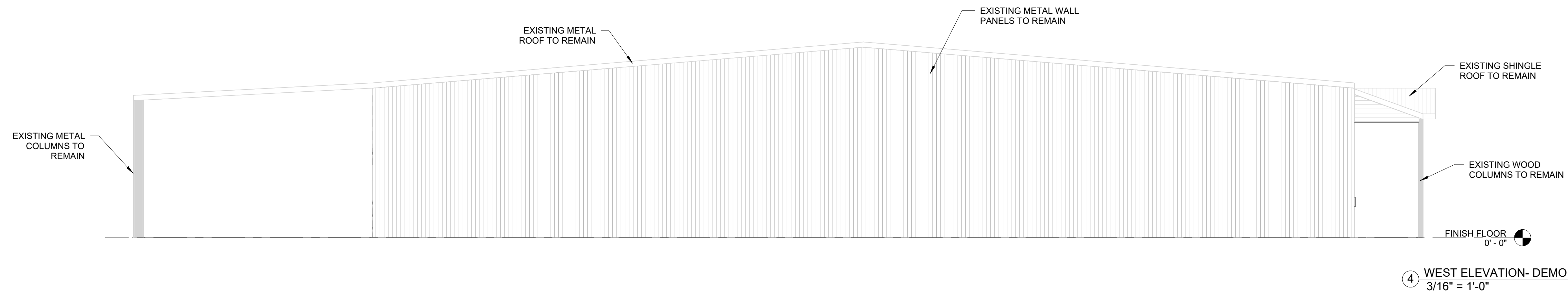
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SHEET NUMBER

AS1.0



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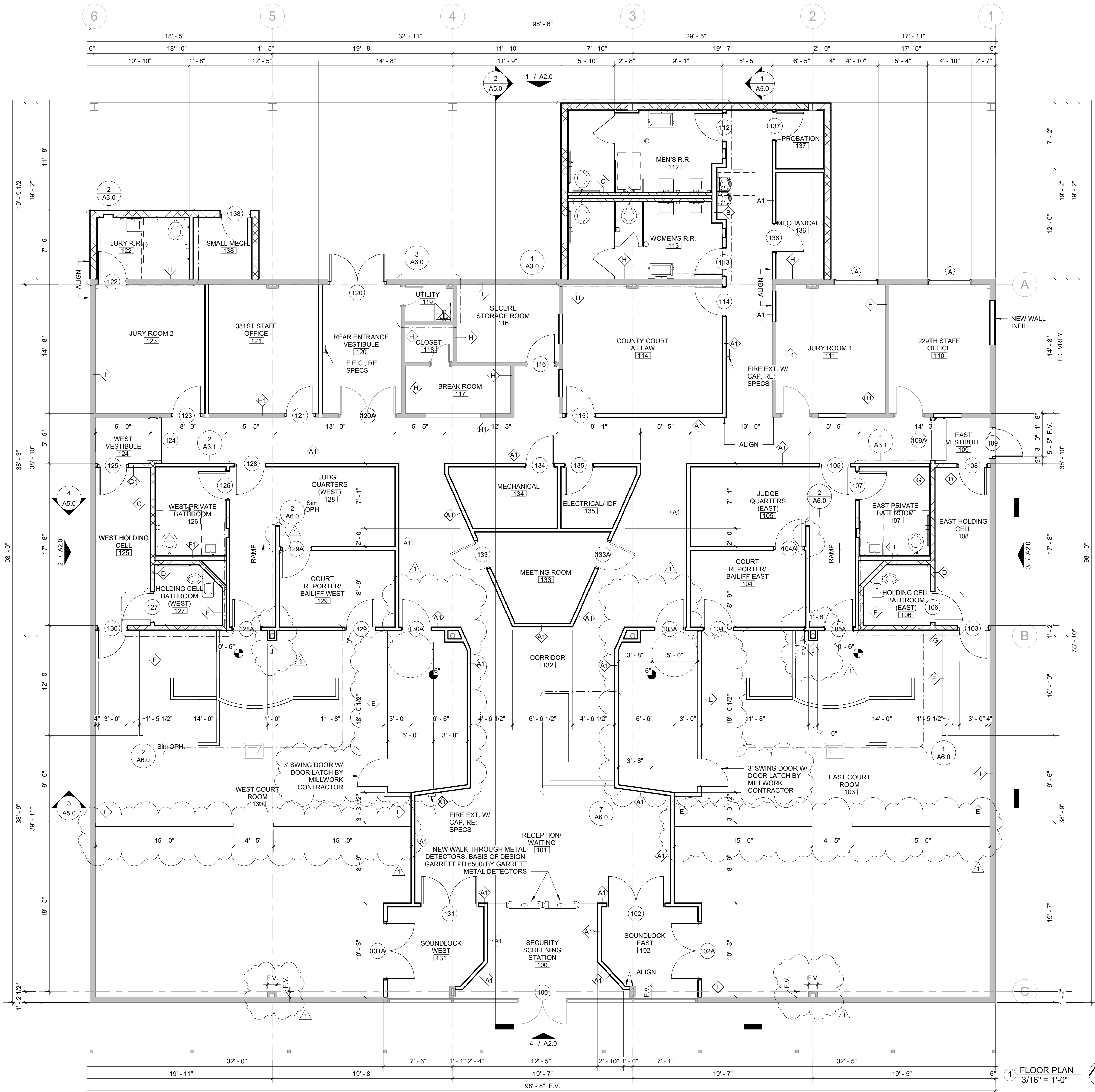
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SHEET NUMBER

D2.0



GENERAL NOTES:

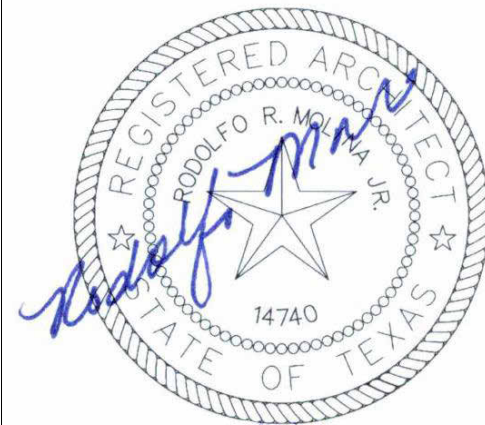
1. ALL PENETRATIONS IN TOP OR BOTTOM PLATES FOR PLUMBING OR ELECTRICAL RUNS TO BE SEALED. SEE ELECTRICAL PLANS FOR ADDITIONAL SPECIFICATIONS.
2. ALL DIM. TO FINISH FACE OF WALL.
3. BUILDING MUST HAVE A PANEL BOX (LOCATION AS PER CITY CODES).
4. ALL SMOKE DETECTORS ARE TO BE PLACED AS PER CITY CODES.
5. ALL LIGHT FIXTURES TO BE REVIEWED BY OWNER. RE: ELEC.
6. RE: A7.0 FOR DOOR, WINDOW SCH.
7. RE: 1/A7.2 FOR PARTITION TYPES.
8. ROOM NO. - □
9. ALL PARTITIONS TYPE "A" U.N.O.
10. PROVIDE ROOM SIGNAGE, RE: 3/A9.0
11. BULLNOSE EDGE AT ALL C.M.U. CORNERS FOR INTERIOR C.M.U. WALLS.
12. ALL FURNITURE TO BE PROVIDE BY OWNER, NIC.
13. ALL NEW FLOORING SHALL BE FLUSH WITH EXISTING BUILDING FLOOR LEVEL. PROVIDE FLOOR LEVELER AS REQUIRED
14. FRAME AND FURR OUT AT EXISTING METAL COLUMNS AS NEEDED TO CONCEAL, FIELD VERIFY EXISTING CONDITIONS.
15. PROVIDE "NOTICE OF MAXIMUM OCCUPANCY LOAD OF 45 PEOPLE" SIGNAGE AT COURTROOM ENTRANCES IN A CONSPICUOUS PLACE, RE: SPEC 10 14 00 & 3/A9.0

BUILDING GROSS AREA	
EXISTING BUILDING:	7,777 SQ. FT.
NEW BUILDING:	683 SQ. FT.
TOTAL (BASE BID):	8,460 SQ. FT.



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1 FLOOR PLAN
3/16" = 1'-0"

TOILET ACCESSORIES LEGEND

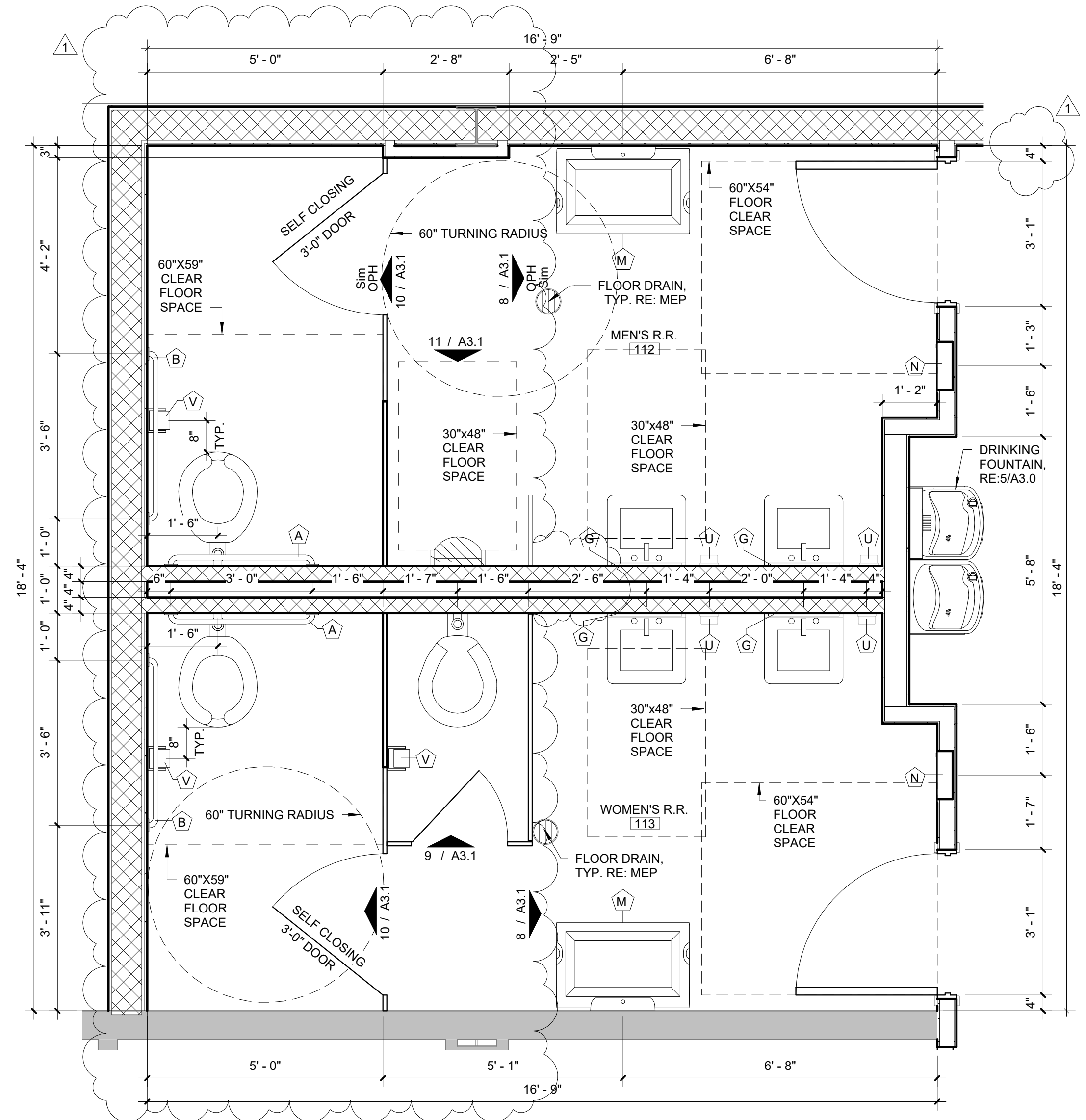
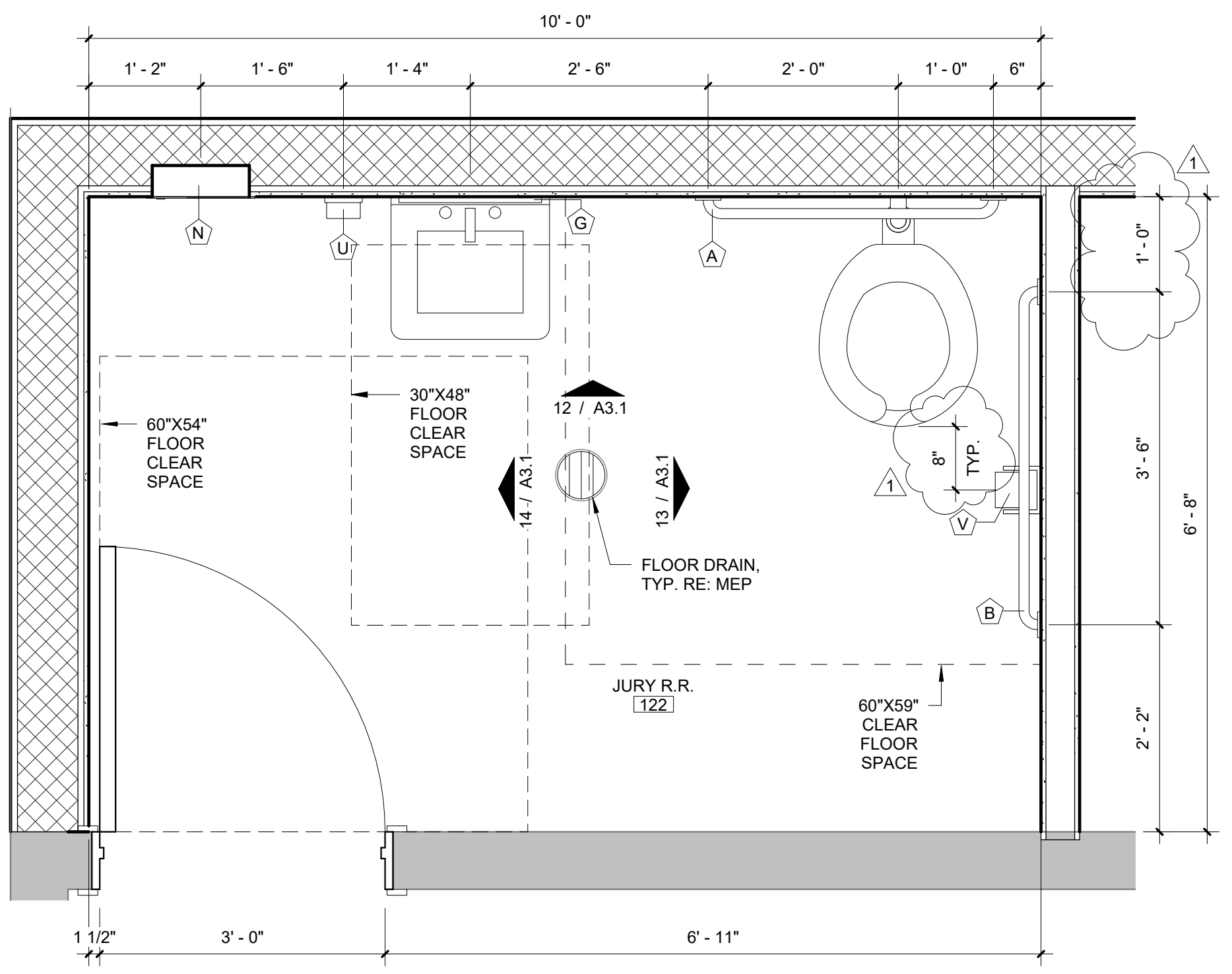
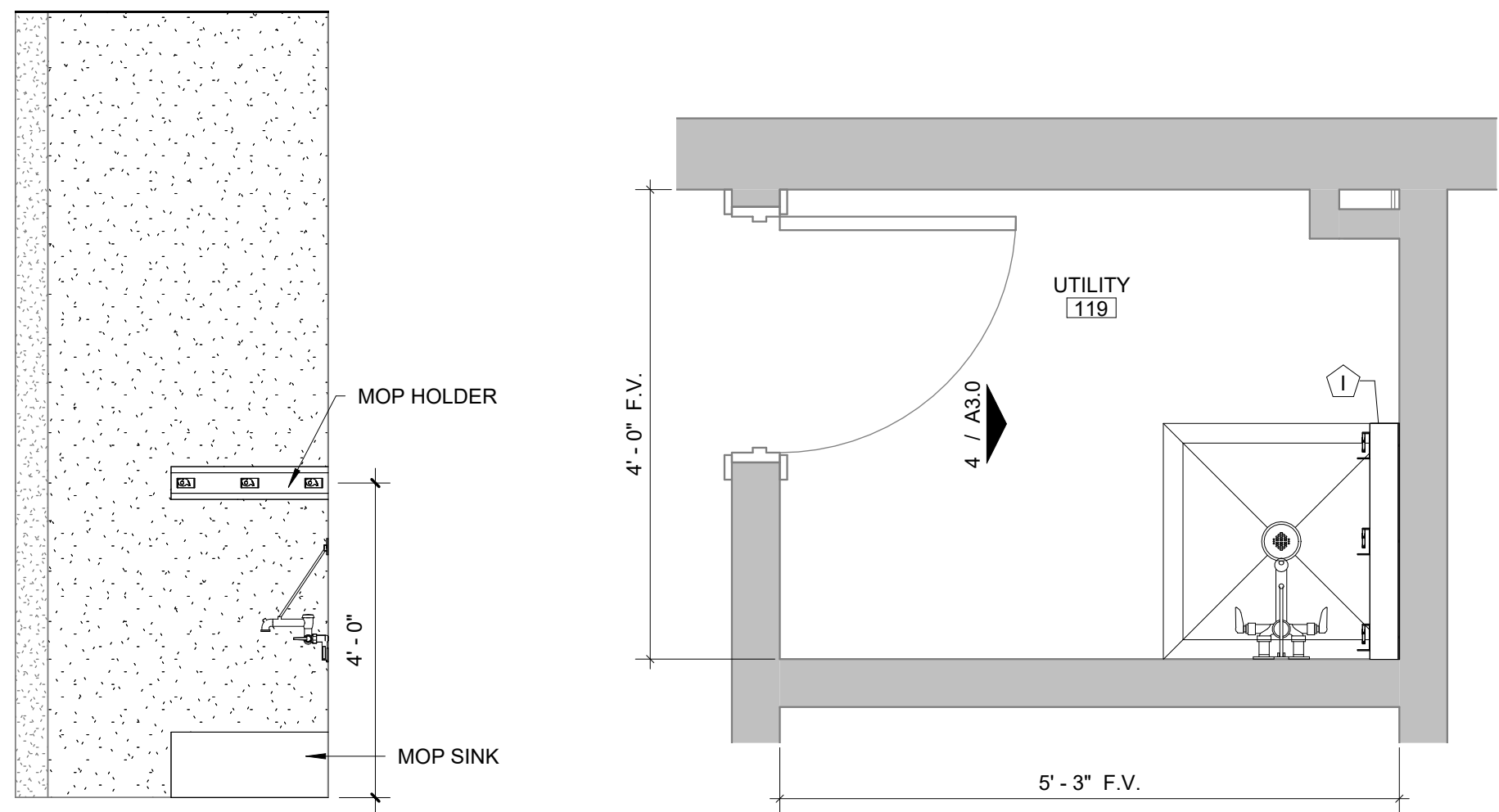
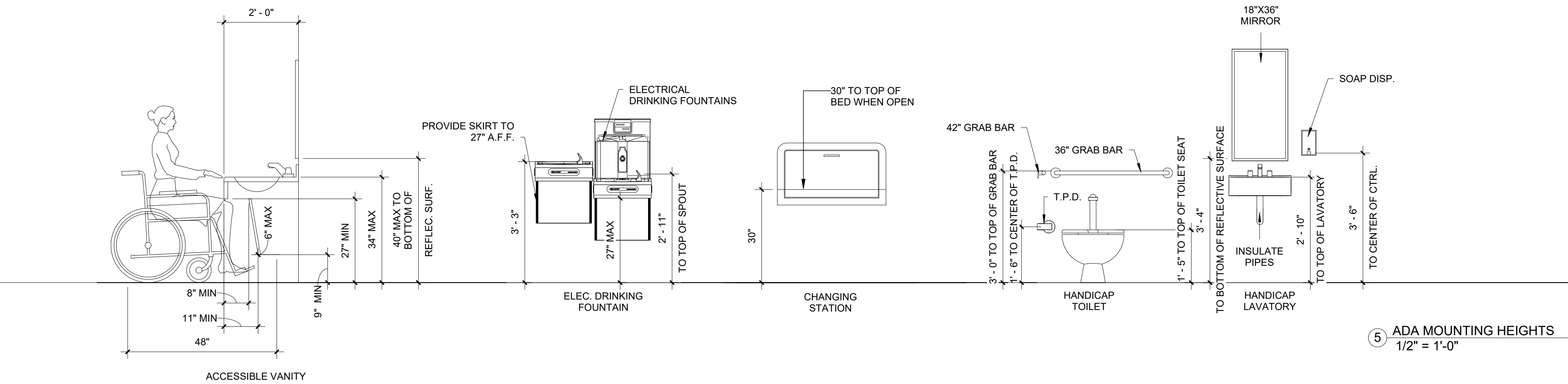
MARK	DESCRIPTION	MODEL NO.	NOTES
A	STAINLESS STL GRAB BAR 36" LONG	B-6806-36	1 & 7
B	STAINLESS STL GRAB BAR 42" LONG	B-6806-42	1 & 7
C	NOT USED		
D	NOT USED		
E	NOT USED		
F	NOT USED		
G	FRAMED 1/4" PLATE GLASS MIRROR 18"x36"	B-290-1836	2 & 7
H	NOT USED		
I	STAINLESS STL MOP & BROOM HOLDER 24" LONG	B-223-24	1 & 7
J	NOT USED		
K	NOT USED		
L	NOT USED		
M	RECESSED BABY CHANGING STATION, AMERICAN SPECIALTIES.	9014	3, 7 & 8
N	RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	B-369	1 & 7
P	NOT USED		1 & 2
Q	NOT USED		
R	NOT USED		
S	NOT USED		6 & 9
T	NOT USED		3, 7 & 8
U	SURFACE MOUNTED AUTO. SOAP DISPENSER	B-2012	1 & 7
V	SURFACE MOUNTED TWO-ROLL TISSUE DISPENSER BOBRICK	B-265	1 & 2

GENERAL NOTES

1. PROVIDE AND INSTALL NEW 8X24 CERAMIC WALL TILE WAINSCOT UP TO 6'-0" AT ALL NEW RESTROOM WALLS. REMAINING WALL HEIGHT SHALL BE TEXTURED AND PAINTED GYP. BOARD.
2. PROVIDE AND INSTALL A MOP HOLDER AT ROOM NO. 114 RE: SPECS.
3. TOILET TISSUE DISPENSER SHALL BE MOUNTED CENTERLINE 8" FROM EDGE OF TOILET RIM.
4. PROVIDE AND INSTALL A 6'-0" HIGH CERAMIC TILE WAINSCOT BEHIND MOP SINK AT ROOM NO. 114.
5. PROVIDE AND INSTALL SOLID PHENOLIC DOORS (SELF-CLOSING) AT EVERY TOILET STALL, TYP.
6. WALL TILE: REFERENCE 1/A7.3 FOR TYPICAL WALL TILE ACCENT ELEVATION DETAIL.
7. FLOOR TILE: PROVIDE AND INSTALL A BORDER COLOR WITH THREE (3) ACCENTS AND A FIELD COLOR AT EACH RESTROOM. RE: 2/A3.2 FOR FLOOR TILE LAYOUT.
8. PROVIDE AND INSTALL A FLOOR DRAIN (F.D.) AT EVERY RESTROOM, TYP.
9. ALL MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES SHALL COMPLY WITH THE 2010 ADA AND 2012 TEXAS ACCESSIBILITY STANDARDS. COMPLIANCE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

TOILET ACCESSORIES NOTES

1. PROVIDE ALL NECESSARY ANCHORING PLATES AND FASTENERS.
2. PROVIDE EXPANSION SHIELDS FOR CMU PTN FOR SECURE ATTACHMENT.
3. COORDINATE WITH WALL PTN CONSTRUCTION FOR RECESSED ACCESSORY.
4. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS.
5. COORDINATE ELECTRICAL REQUIREMENTS AND ANCHORING.
6. COORDINATE LOCATION WITH OTHER ACCESSORIES ON WALL.
7. UNIT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. SEE SPEC SECTION 10 21 13
 - RECESSED PTD
 - MIRRORS
 - TOILET TISSUE DISP.
 - GRAB BARS
 - SOAP DISP.
8. ALL MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES SHALL COMPLY WITH THE 2010 ADA AND 2012 TEXAS ACCESSIBILITY STANDARDS.



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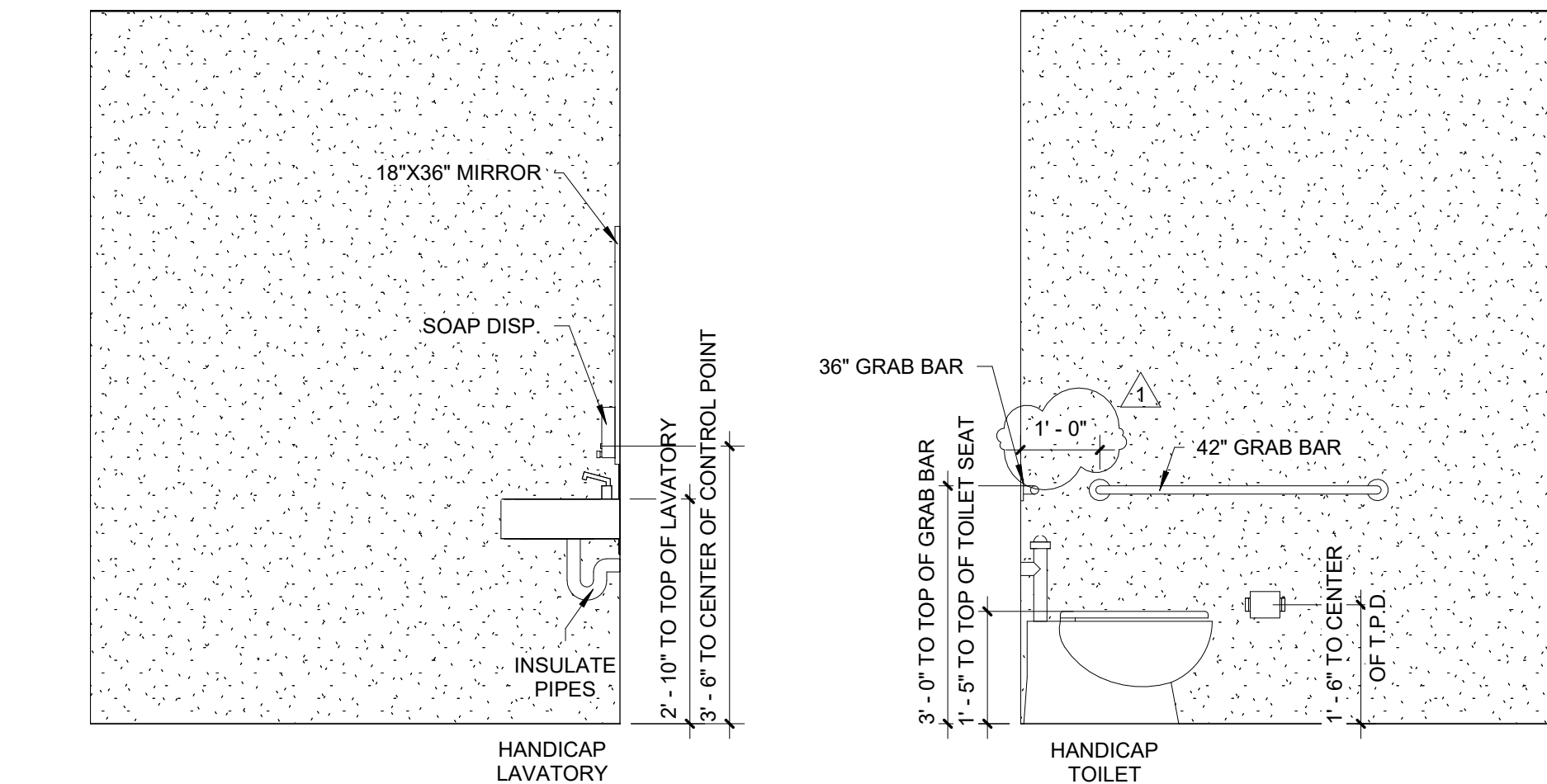
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A3.0

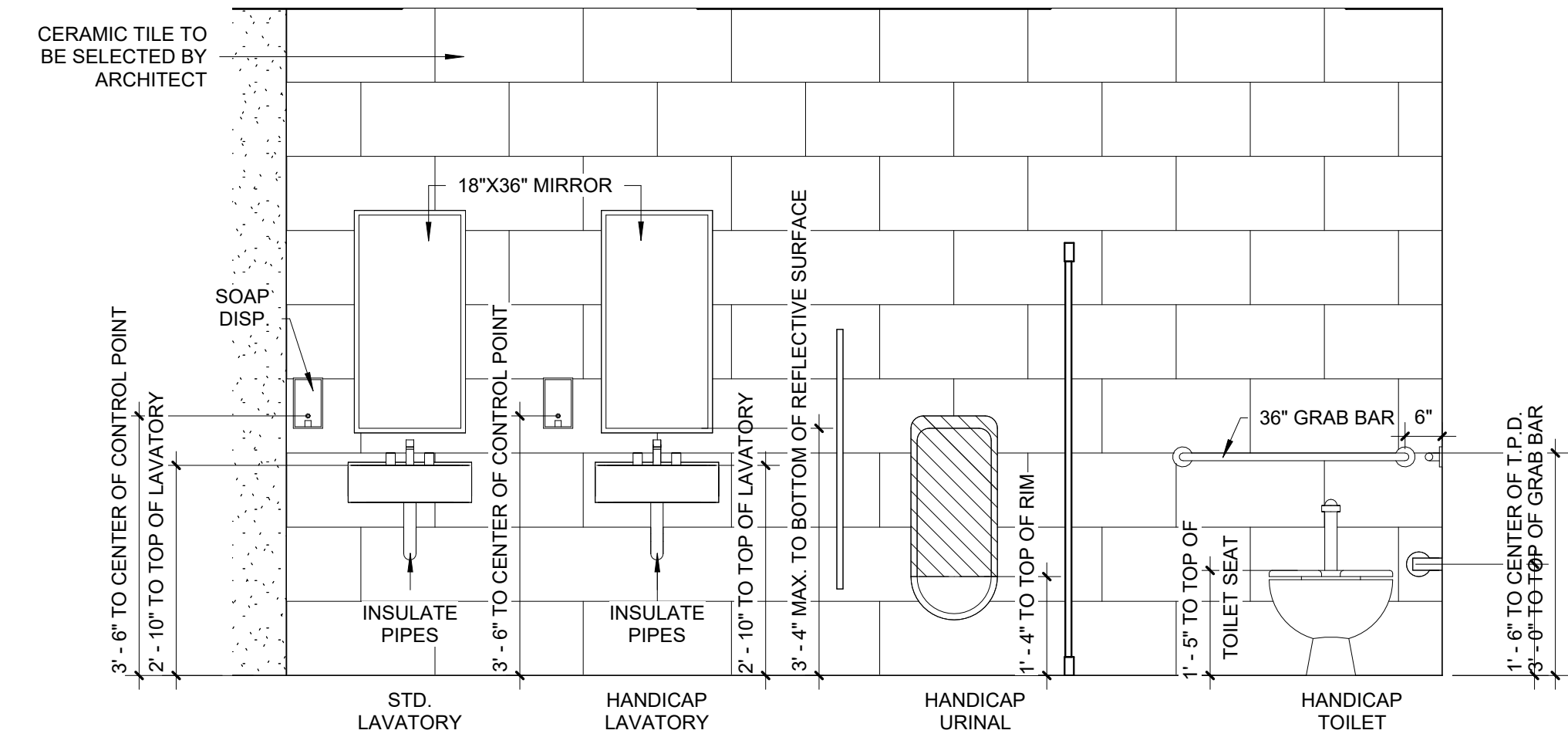
GENERAL NOTE:

1. REFERENCE A3.0 FOR TOILET ACCESSORIES
LEGEND & STANDARD MOUNTING HEIGHTS
2. REFERENCE 2/A7.1 FOR WALL LAYOUT

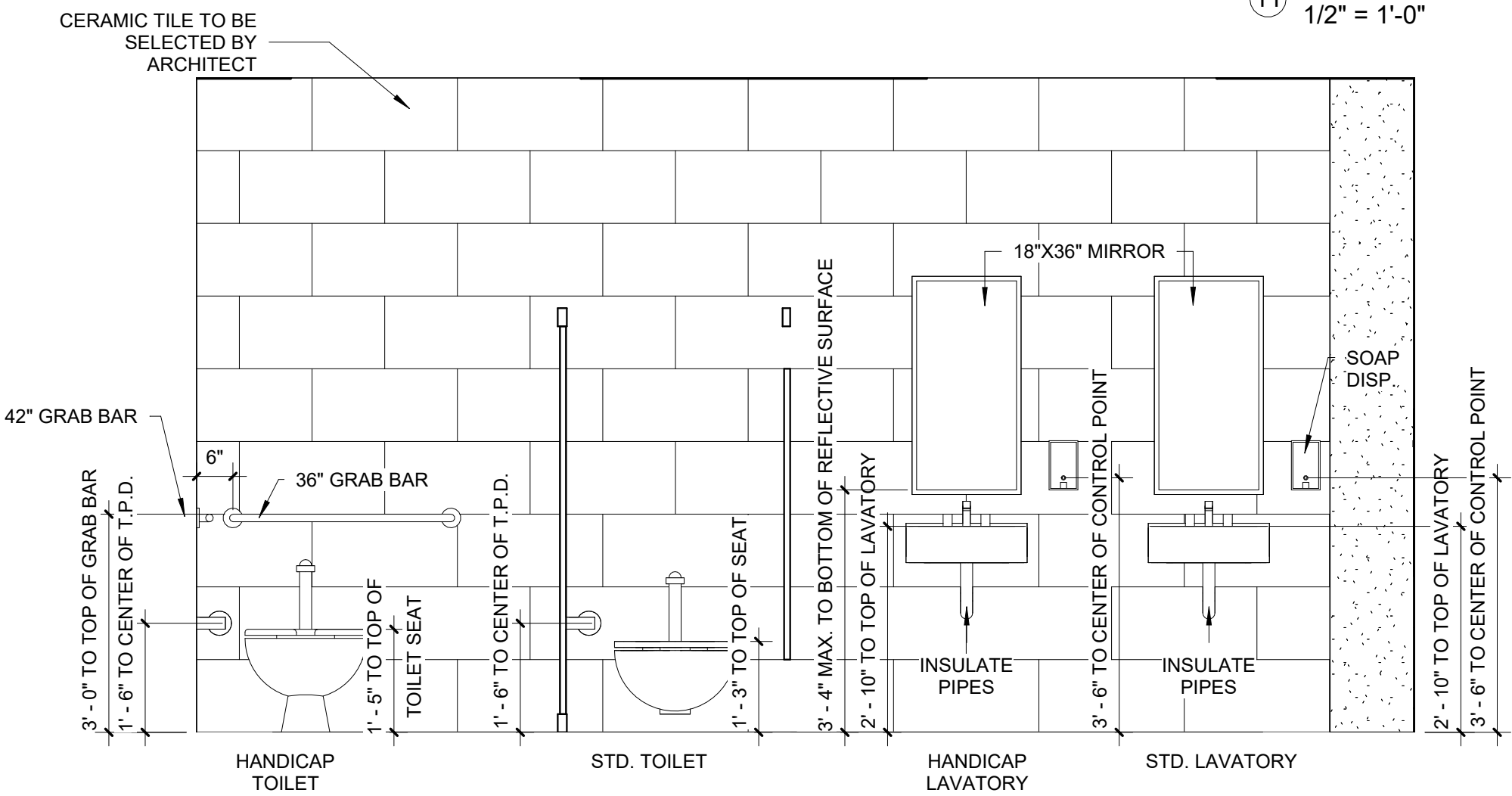


14 RESTROOM ELEVATION
1/2" = 1'-0"

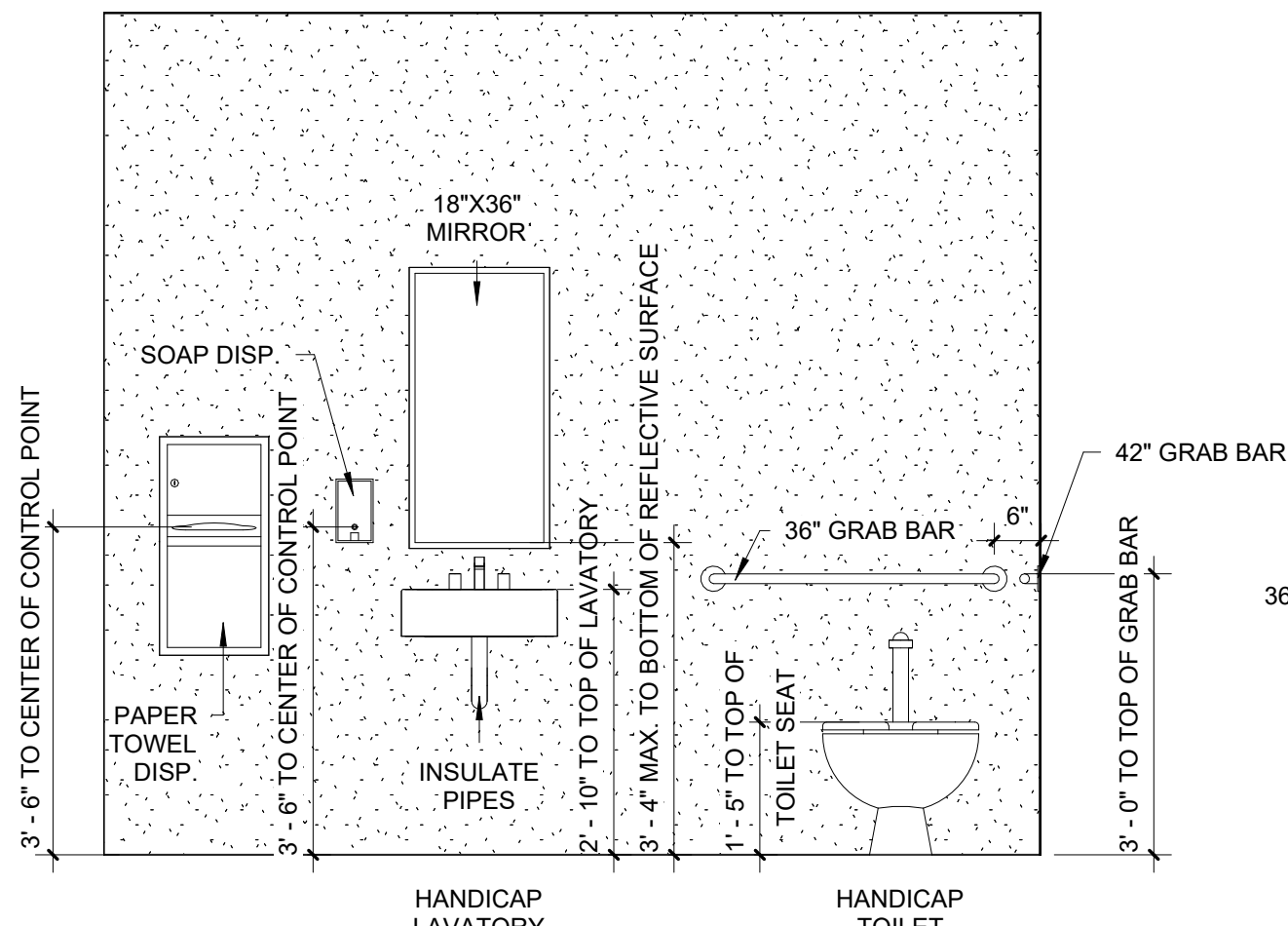
13 RESTROOM ELEVATION
1/2" = 1'-0"



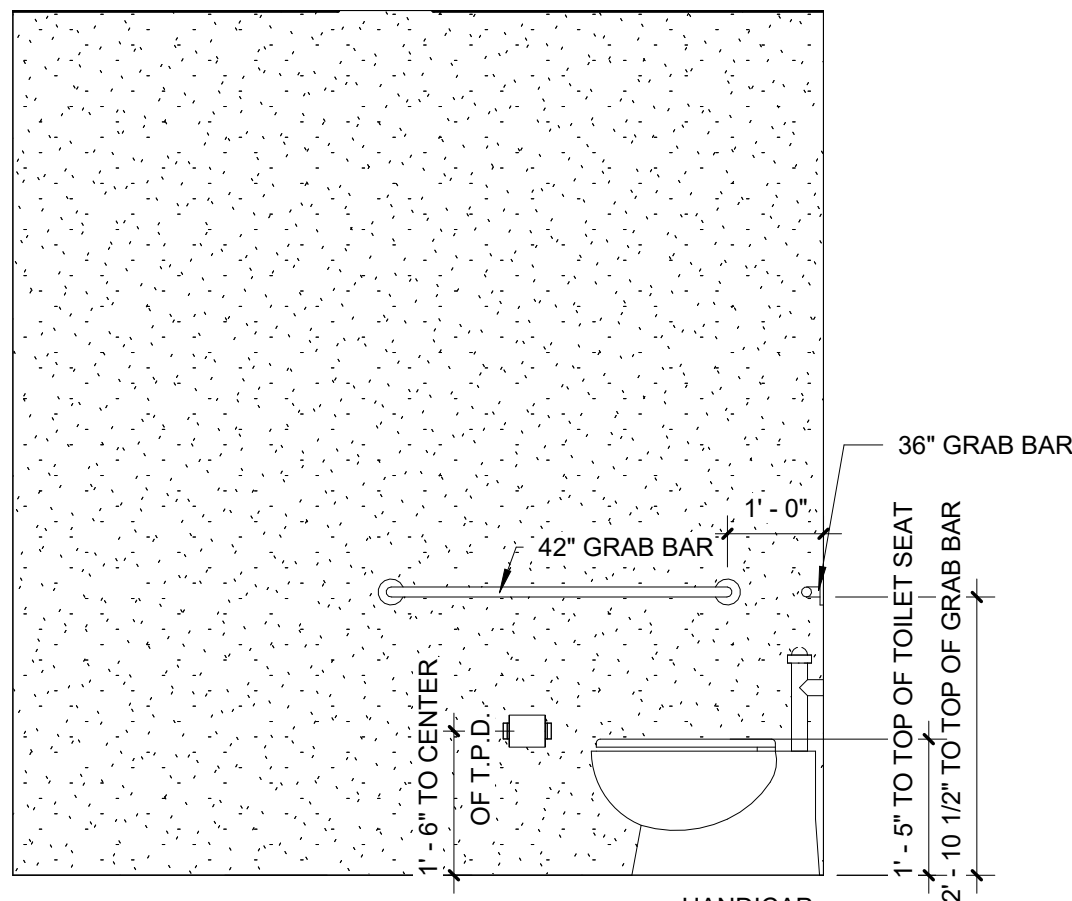
11 RESTROOM ELEVATION
1/2" = 1'-0"



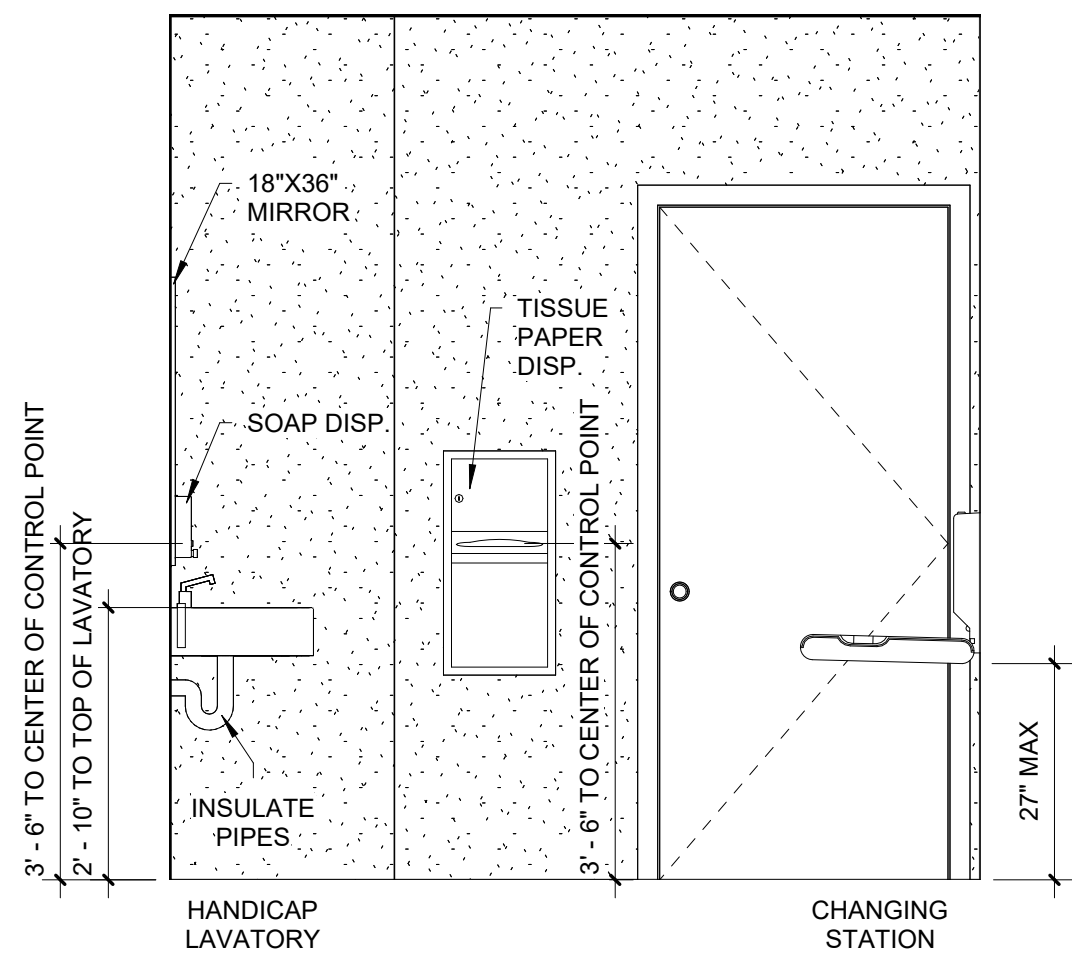
9 RESTROOM ELEVATION
1/2" = 1'-0"



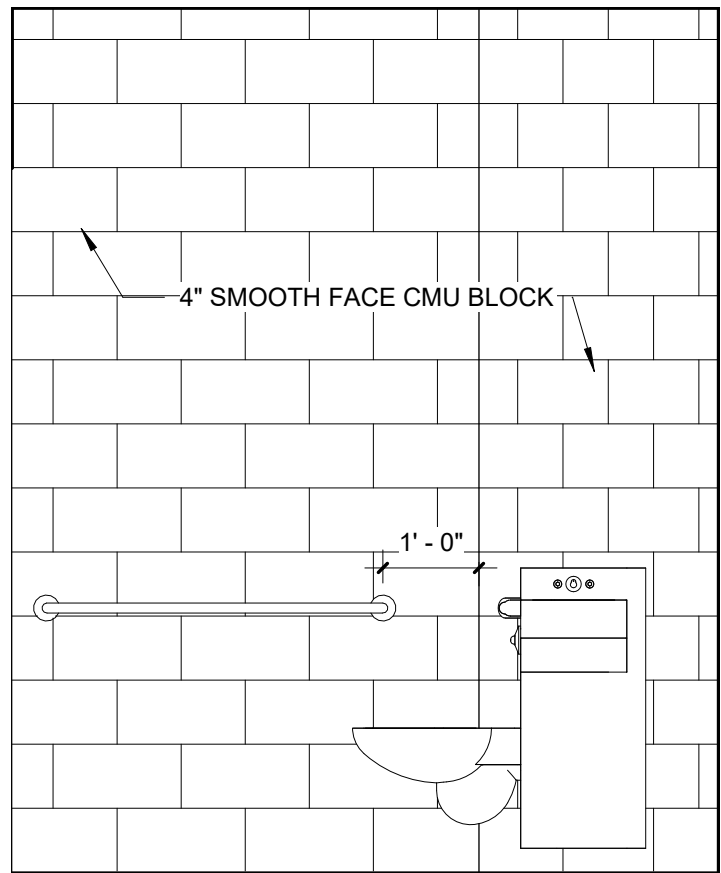
12 RESTROOM ELEVATION
1/2" = 1'-0"



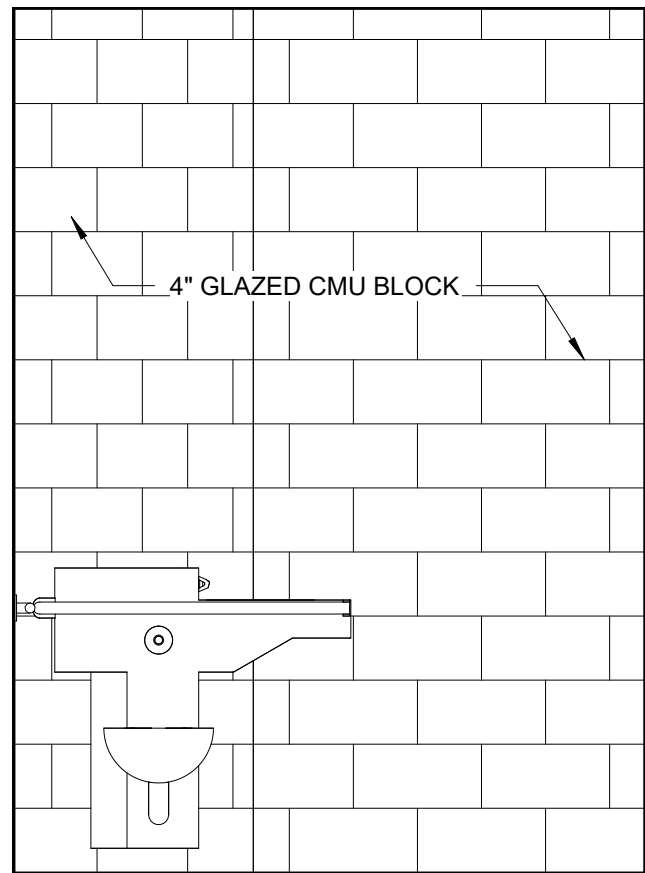
10 RESTROOM ELEVATION
1/2" = 1'-0"



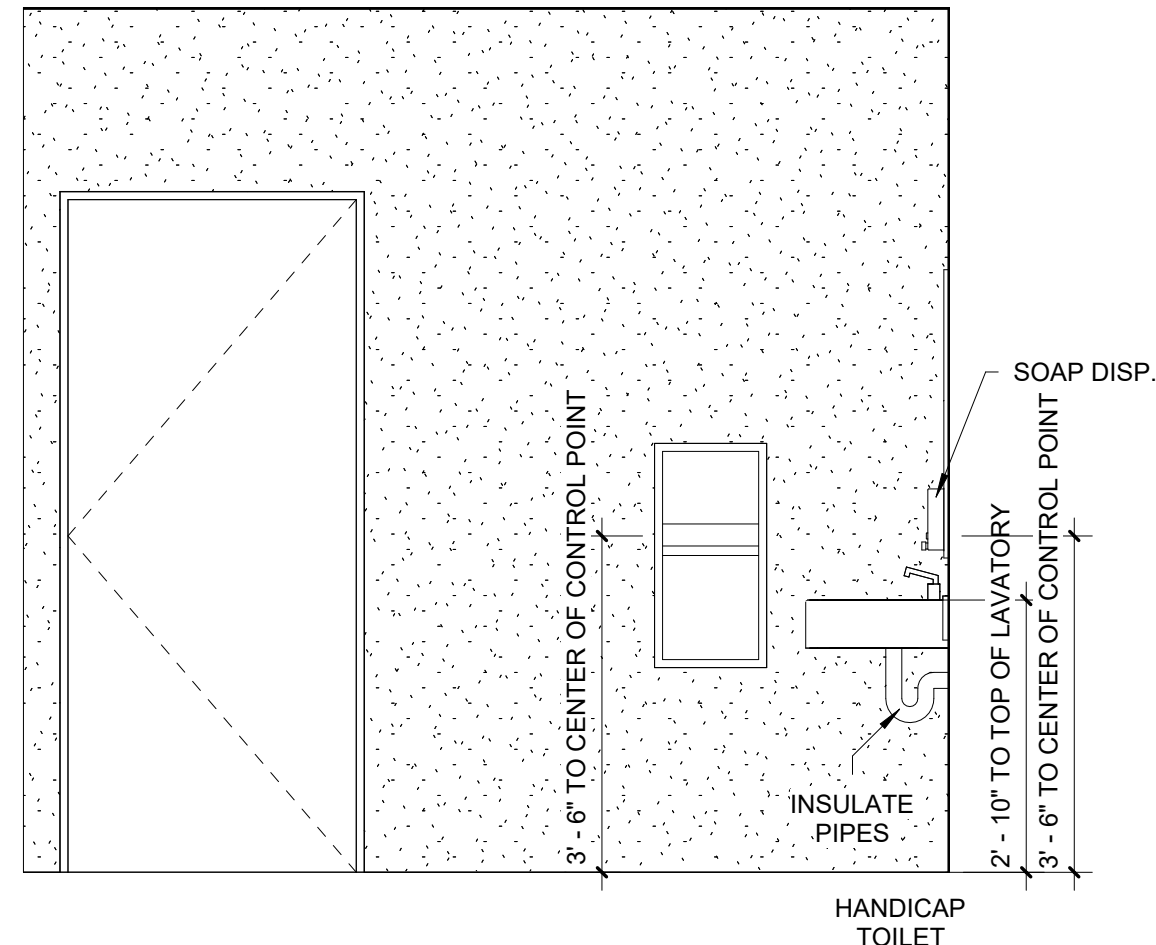
8 RESTROOM ELEVATION
1/2" = 1'-0"



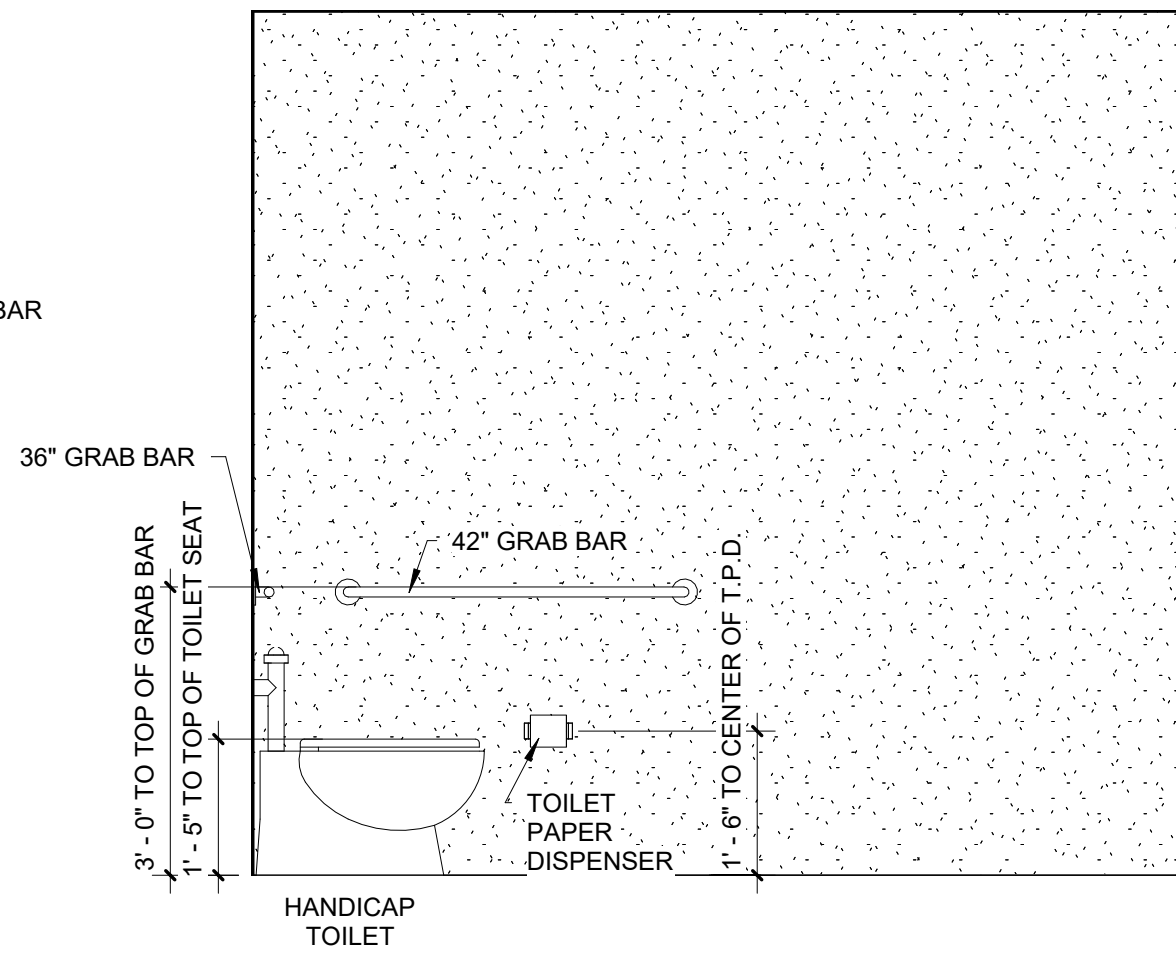
7 RESTROOM ELEVATION
1/2" = 1'-0"



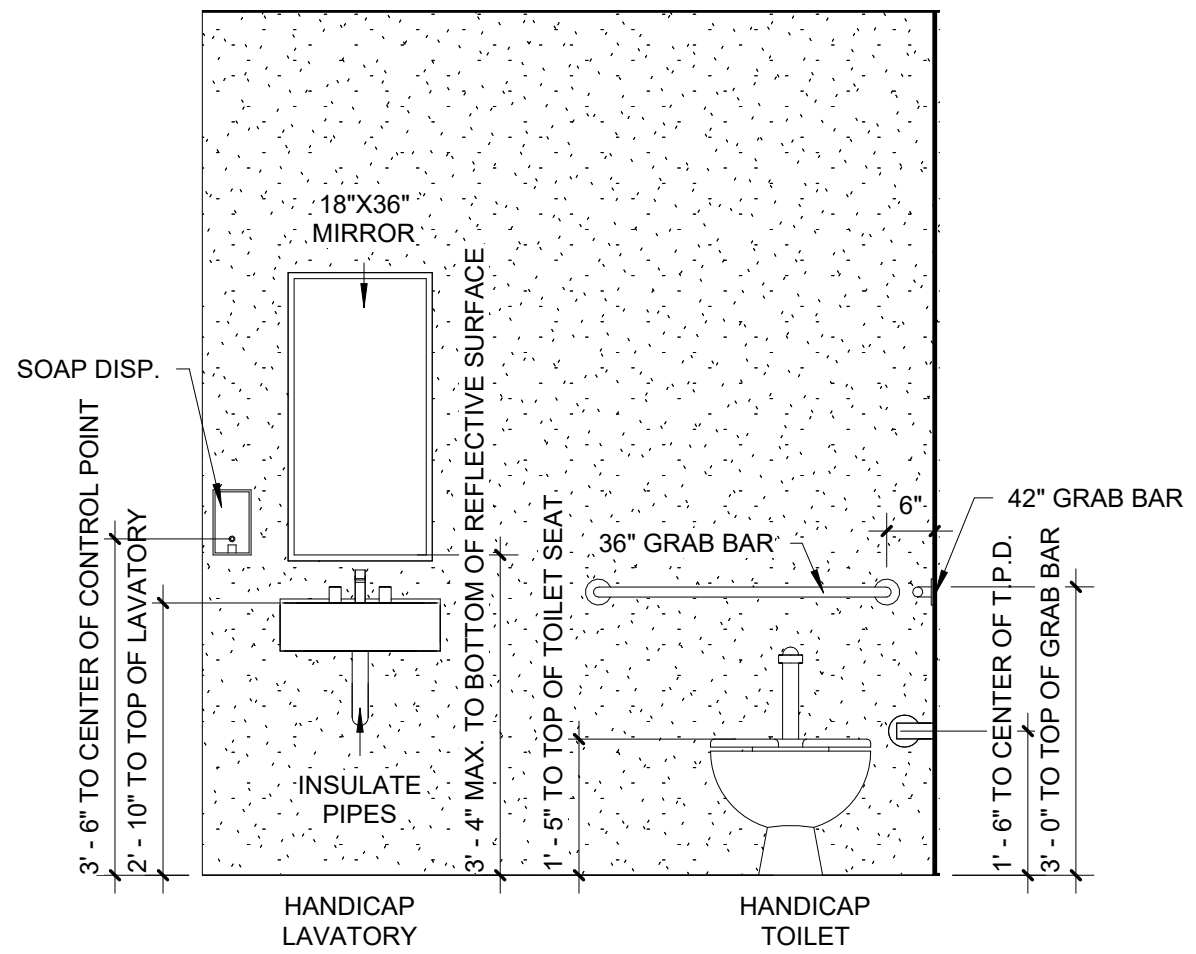
6 RESTROOM ELEVATION
1/2" = 1'-0"



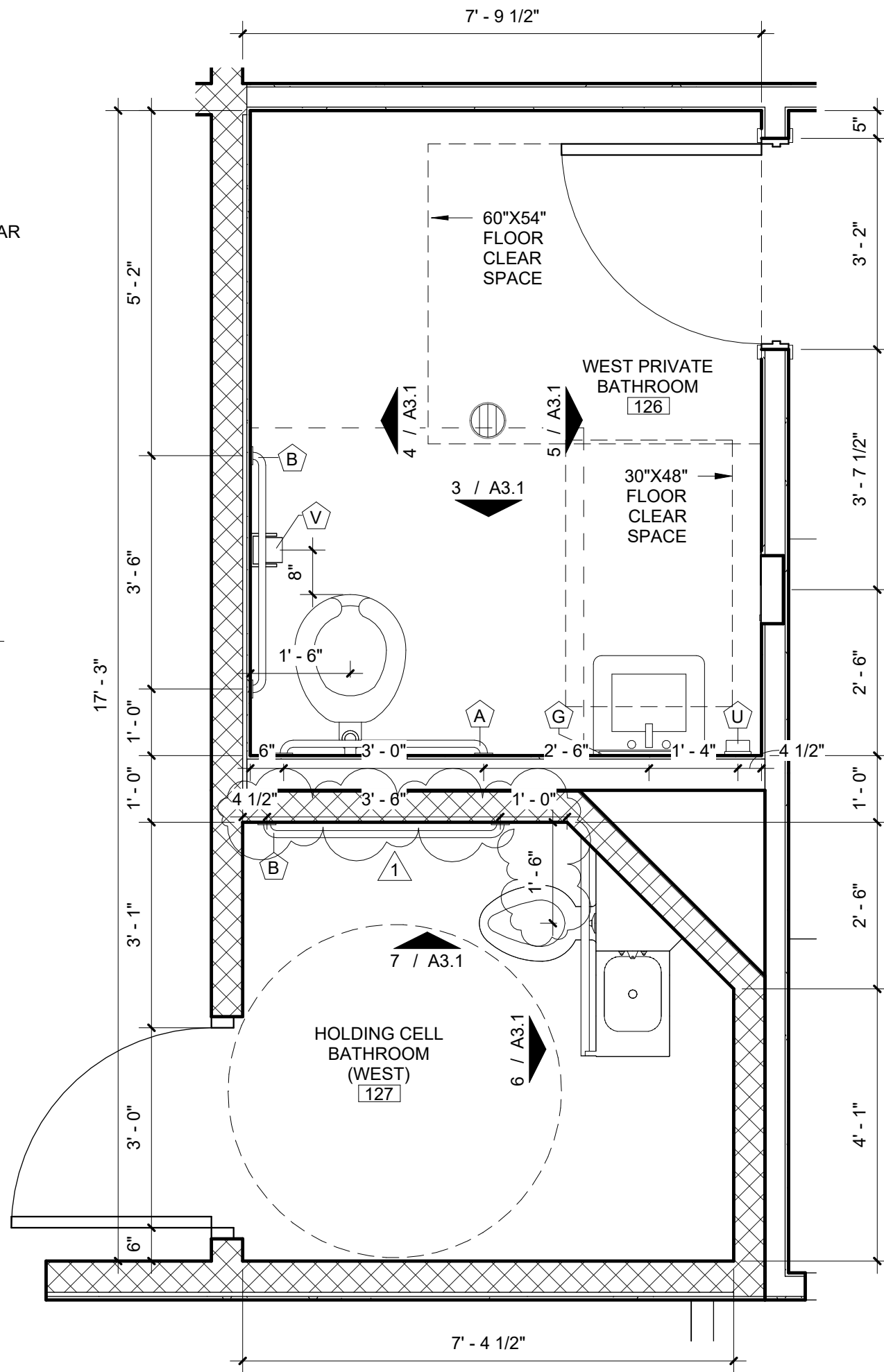
5 RESTROOM ELEVATION
1/2" = 1'-0"



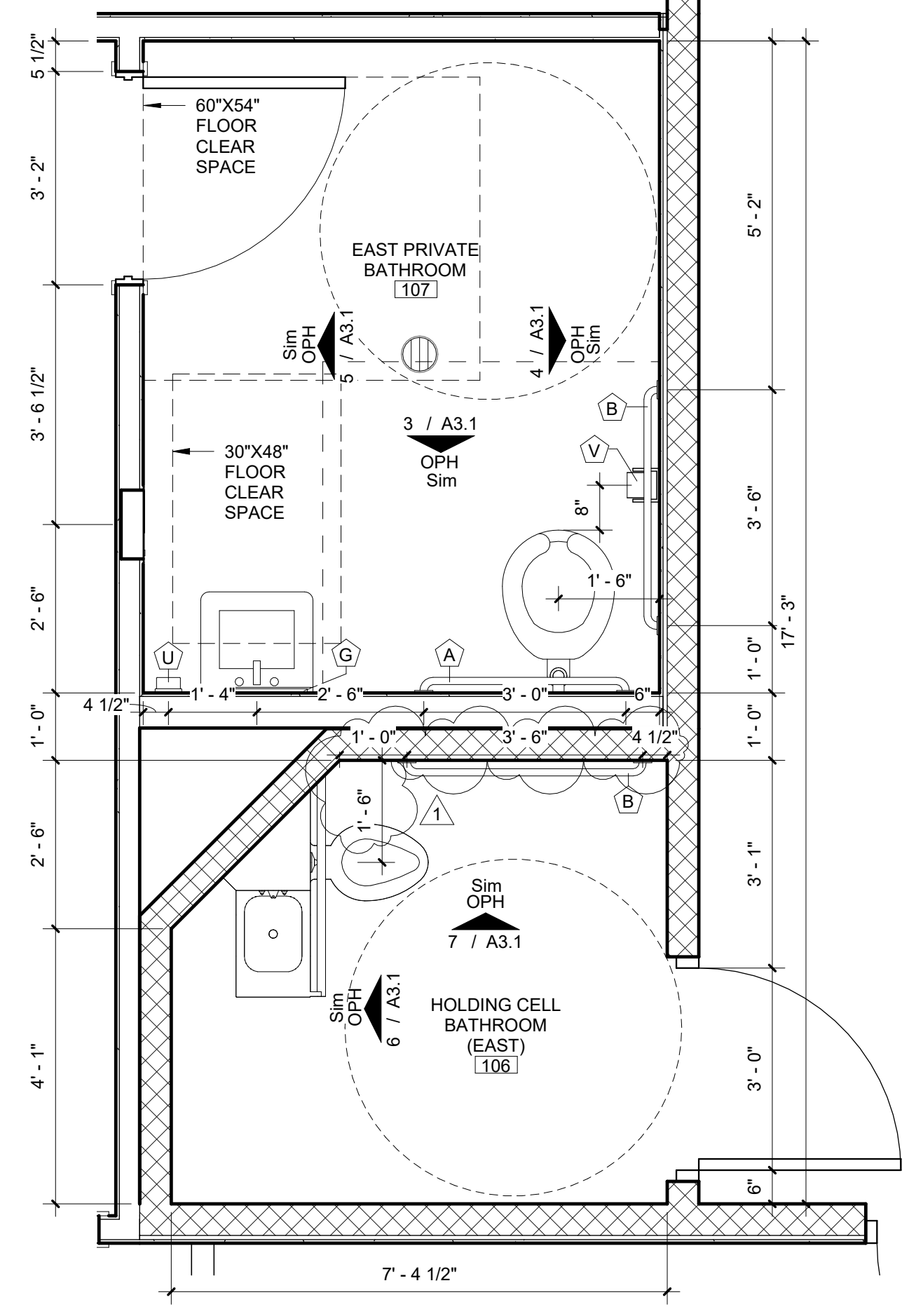
4 RESTROOM ELEVATION
1/2" = 1'-0"



3 RESTROOM ELEVATION
1/2" = 1'-0"



2 ENLARGED RESTROOM PLAN
1/2" = 1'-0"



1 ENLARGED RESTROOM PLAN
1/2" = 1'-0"



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11.12.2025

STARR COUNTY COURTHOUSE TEMPORARY
HOUSING INTERIOR BUILD-OUT
STARR COUNTY
1920 US-83 RIO GRANDE CITY, TX

PROJECT NUMBER
224026

DATE
11.12.2025

ISSUE FOR BIDS

ADD NO.1 12/03/2025

SHEET NUMBER

A3.1



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1920 US-83 RIO GRANDE CITY, TX

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A4.0

GENERAL NOTES:

- ALL OUTLETS SHALL BE @ 15" A.F.F. UNLESS NOTED OTHERWISE. ALSO, OUTLETS SHALL BE PLACED 12'-0" MAX. DISTANCE ALONG INSIDE WALLS.
- GROUND FAULT INTERRUPTERS (GFI) ARE REQ'D ON CONVENIENCE OUTLETS IN RESTROOMS & KITCHEN.
- WEATHER PROOF (W.P.) CONVENIENCE OUTLETS ARE REQUIRED OUTSIDE.
- ALL CLG. ARE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
- LIGHT SWITCH @ H.C. RESTROOMS @ 45" O.C.
- RE: MEP DWGS. FOR ADDITIONAL INFO.

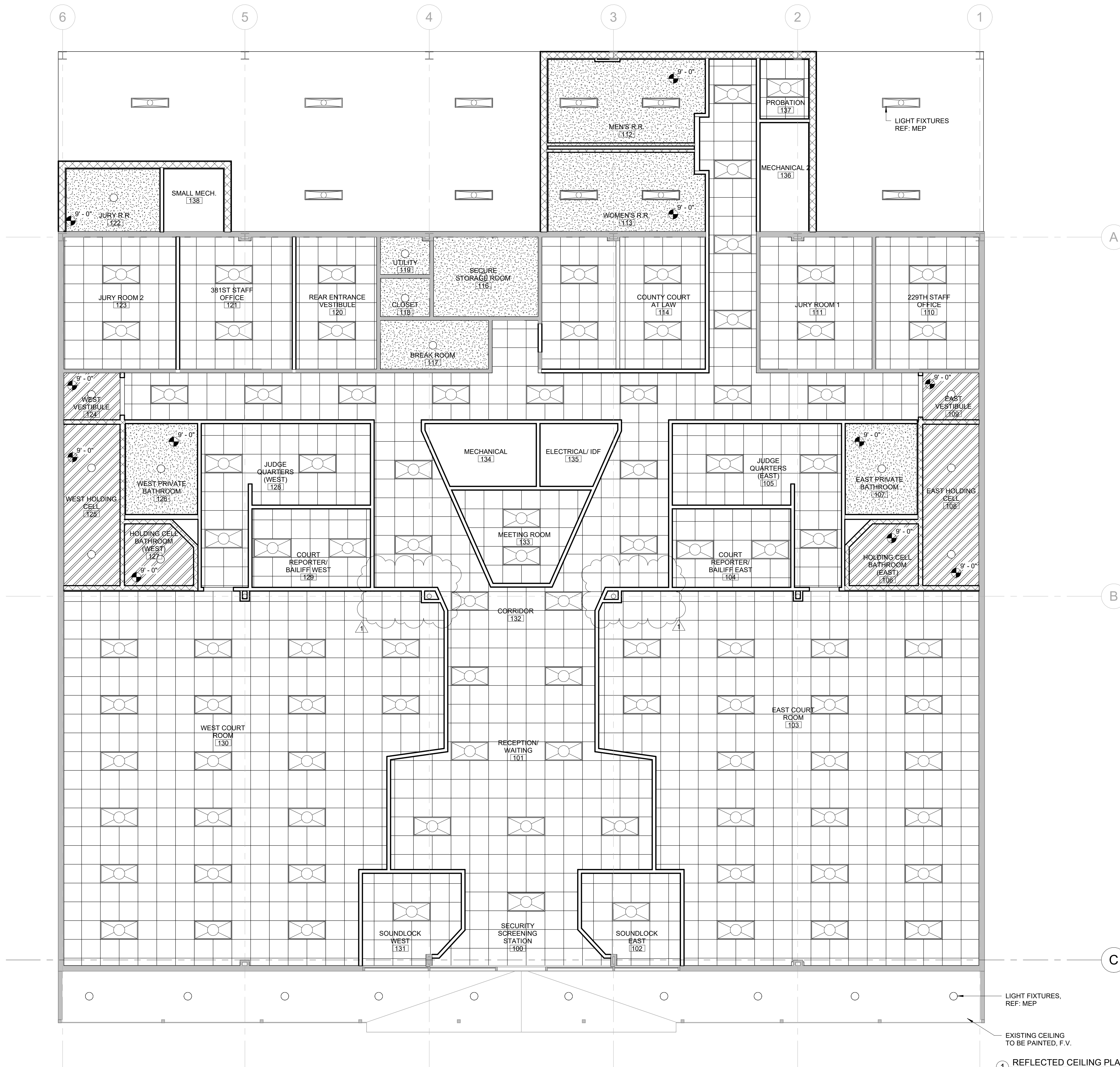
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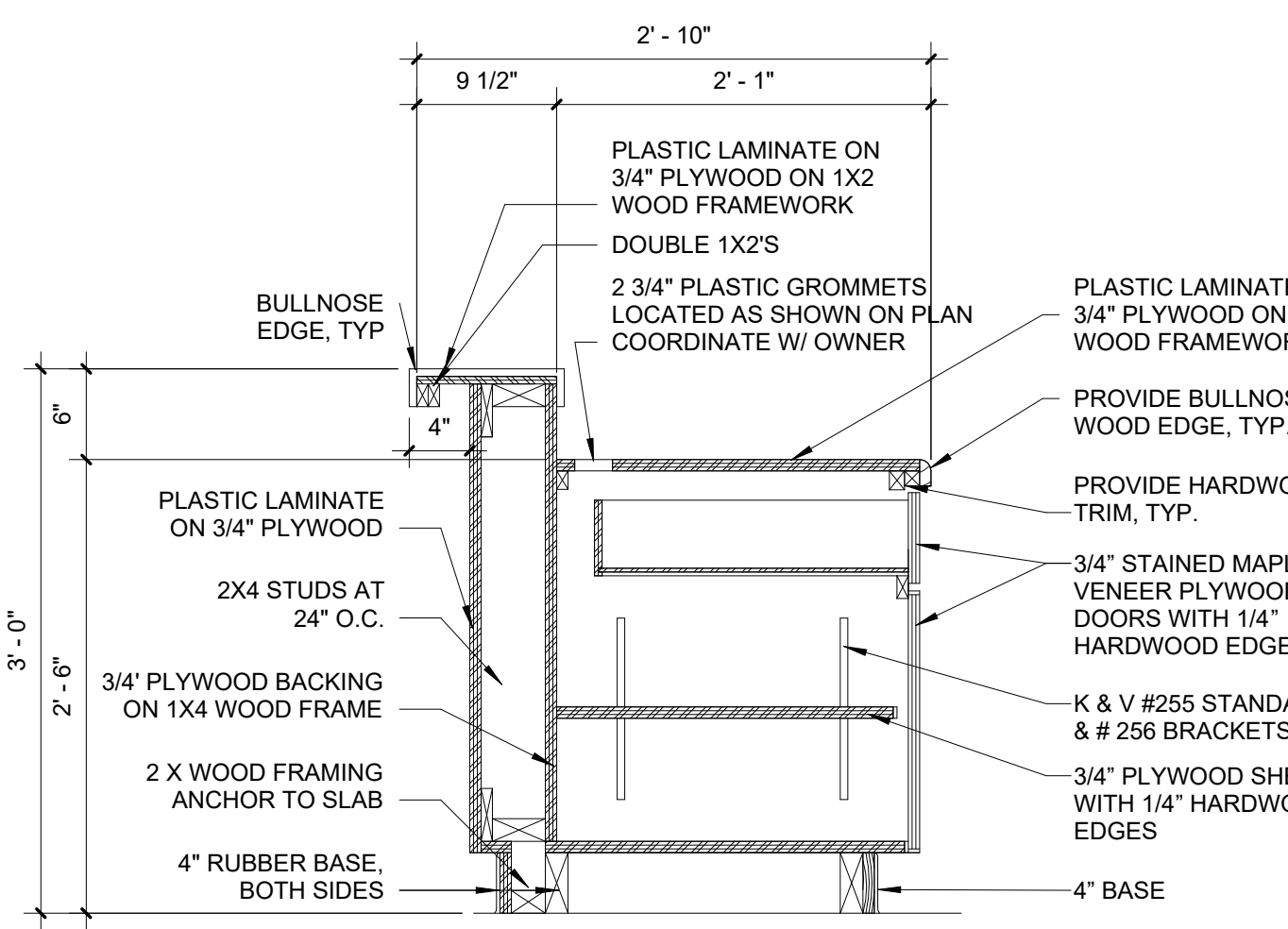
- 2x2 SUSPENDED CEILING
- PAINTED GYPSUM BOARD
- OPEN STRUCTURE
- GYP. BOARD TEXTURED & PAINTED OVER 3/4" PLYWOOD

LIGHT FIXTURES,
REF: MEP

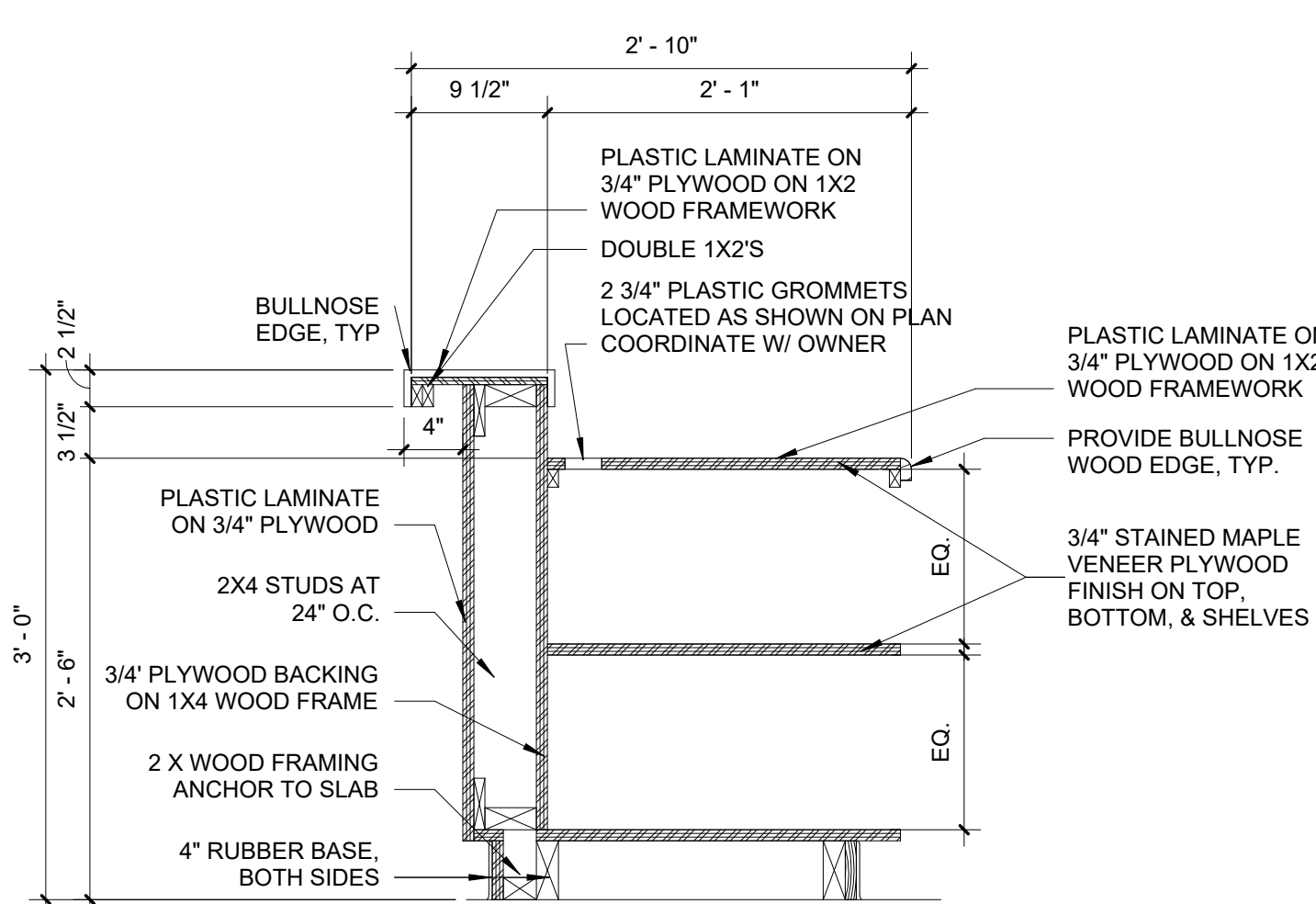
EXISTING CEILING
TO BE PAINTED, F.V.

REFLECTED CEILING PLAN
3/16" = 1'-0"

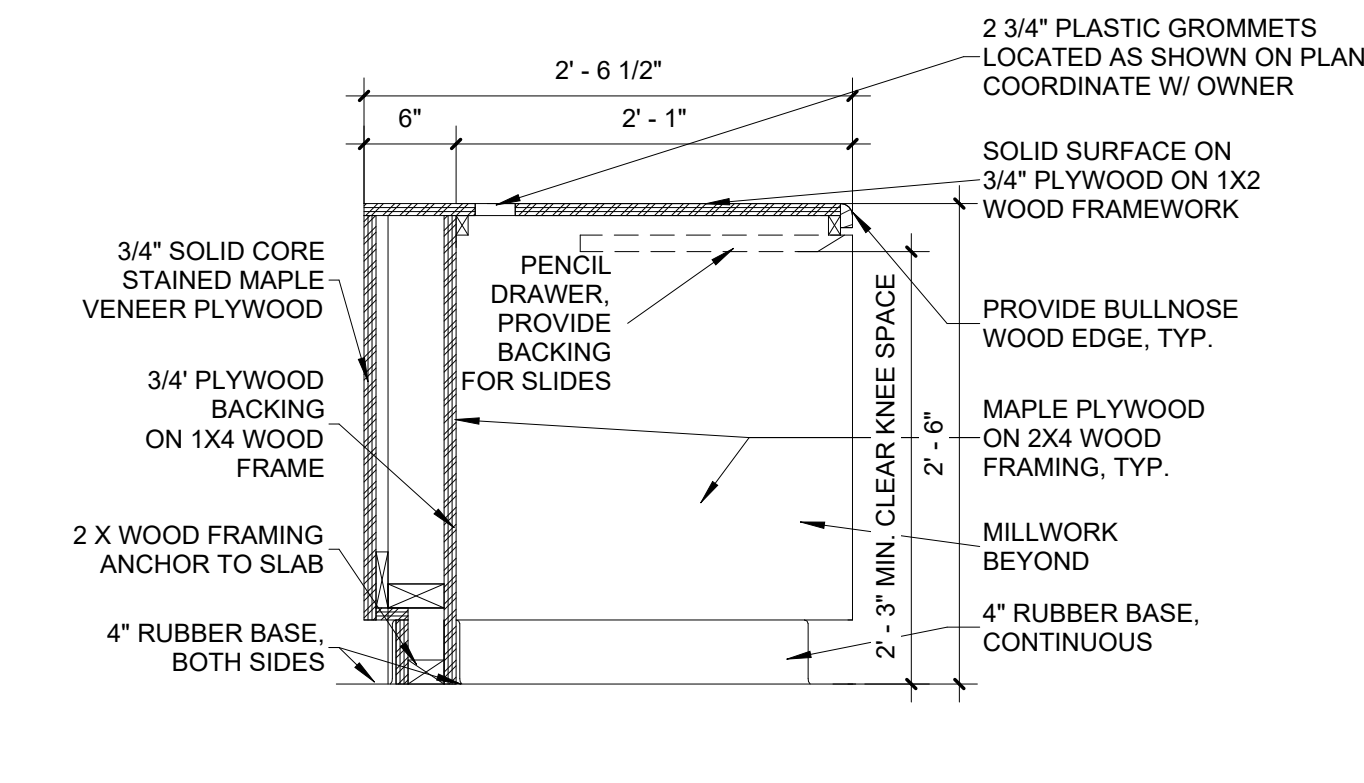




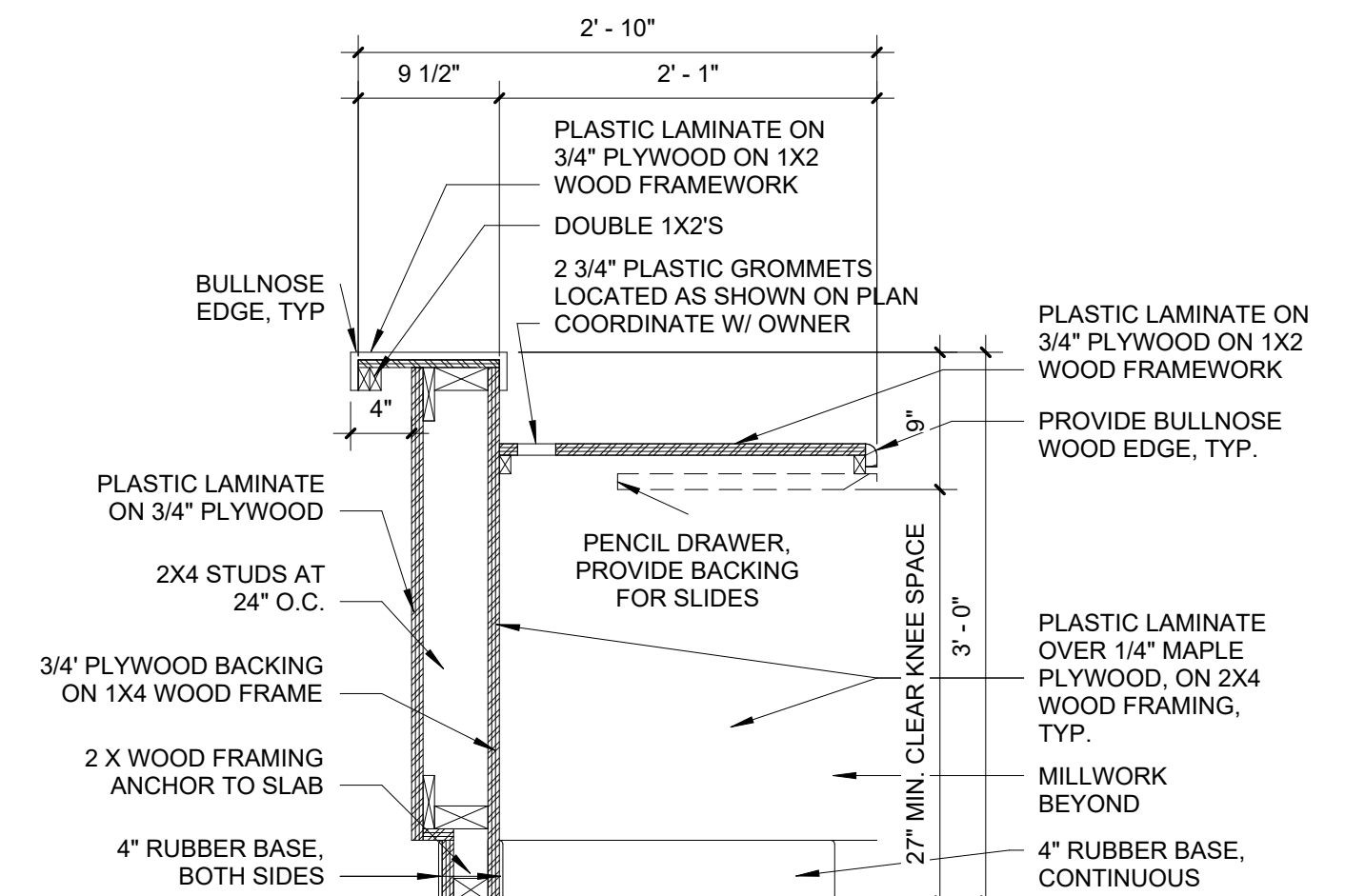
11 RECEPTION DESK- DRAWERS
1" = 1'-0"



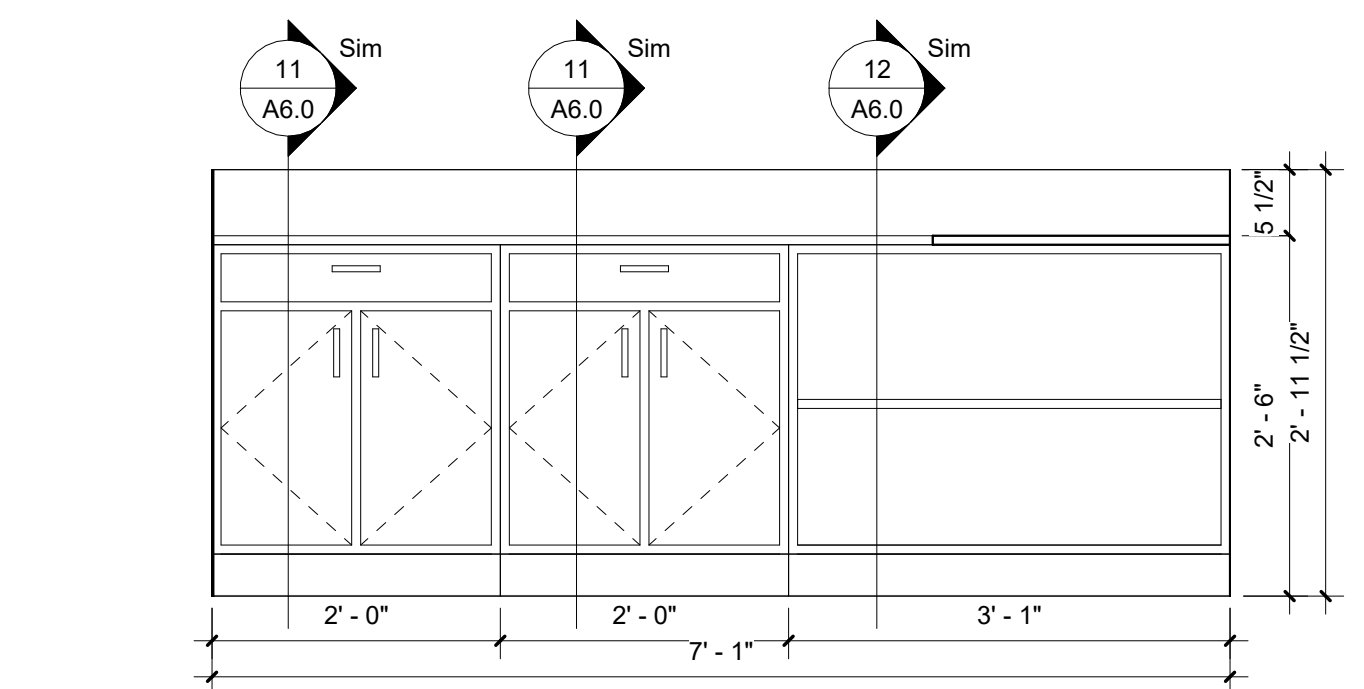
12 RECEPTION DESK- SHELVING
1" = 1'-0"



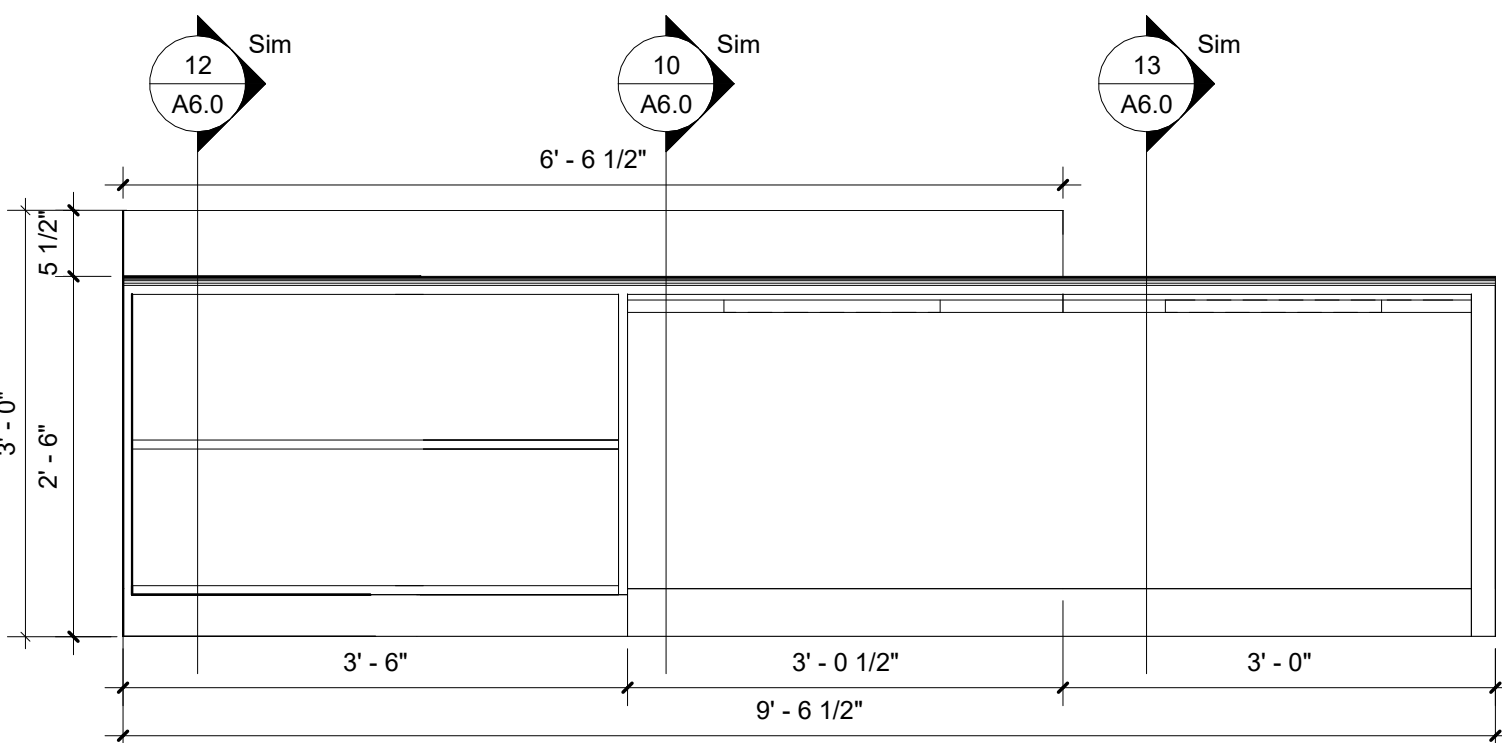
13 RECEPTION DESK- ADA PENCIL HOLDER
1" = 1'-0"



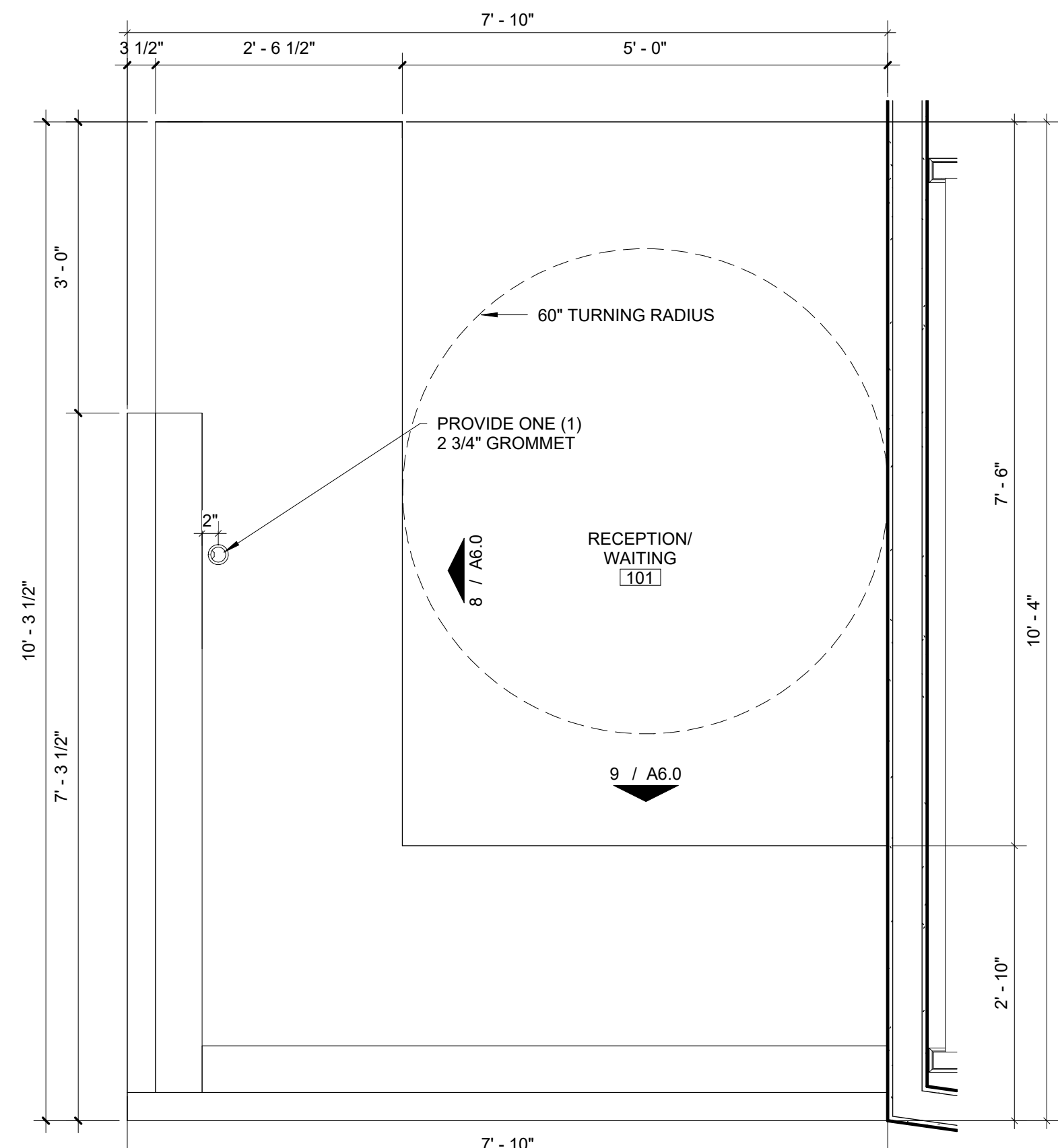
10 RECEPTION DESK- PENCIL HOLDER
1" = 1'-0"



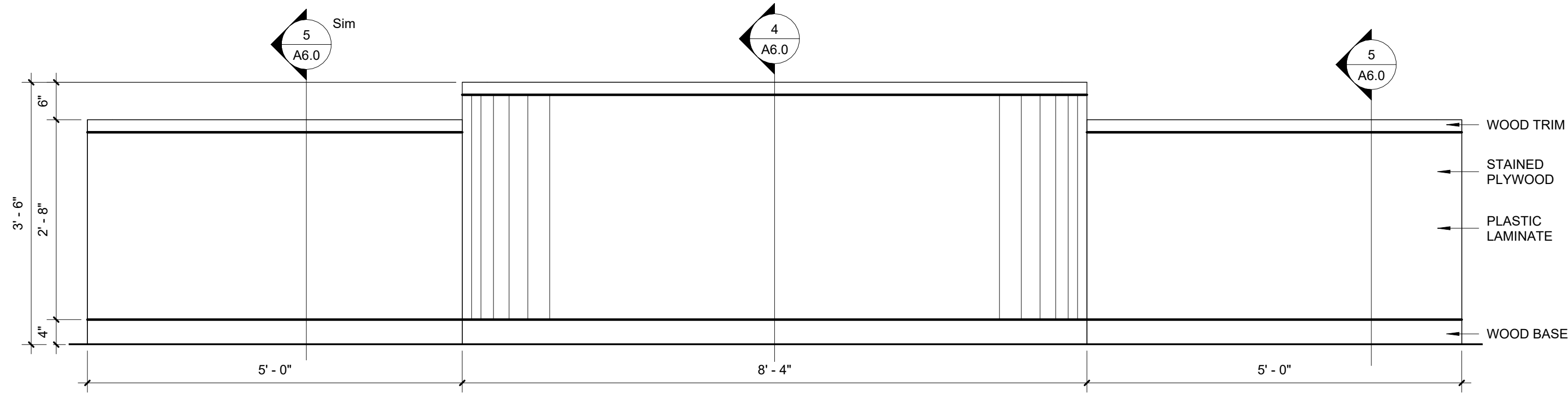
9 RECEPTION ELEVATION
3/4" = 1'-0"



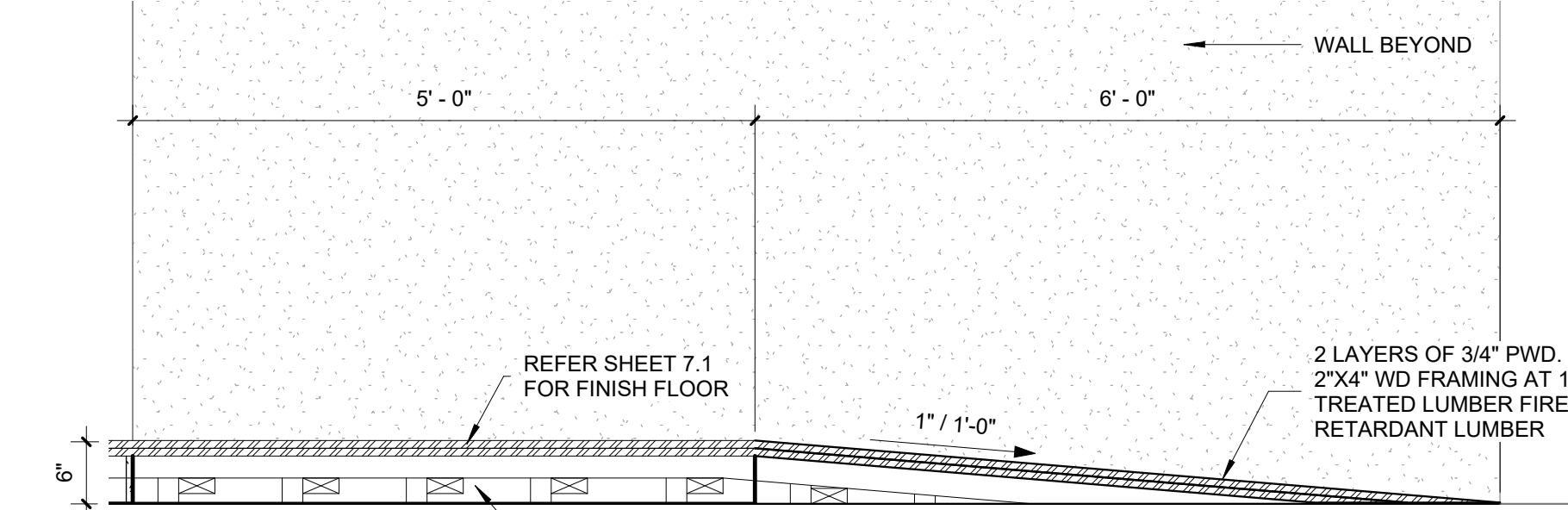
8 RECEPTION ELEVATION
3/4" = 1'-0"



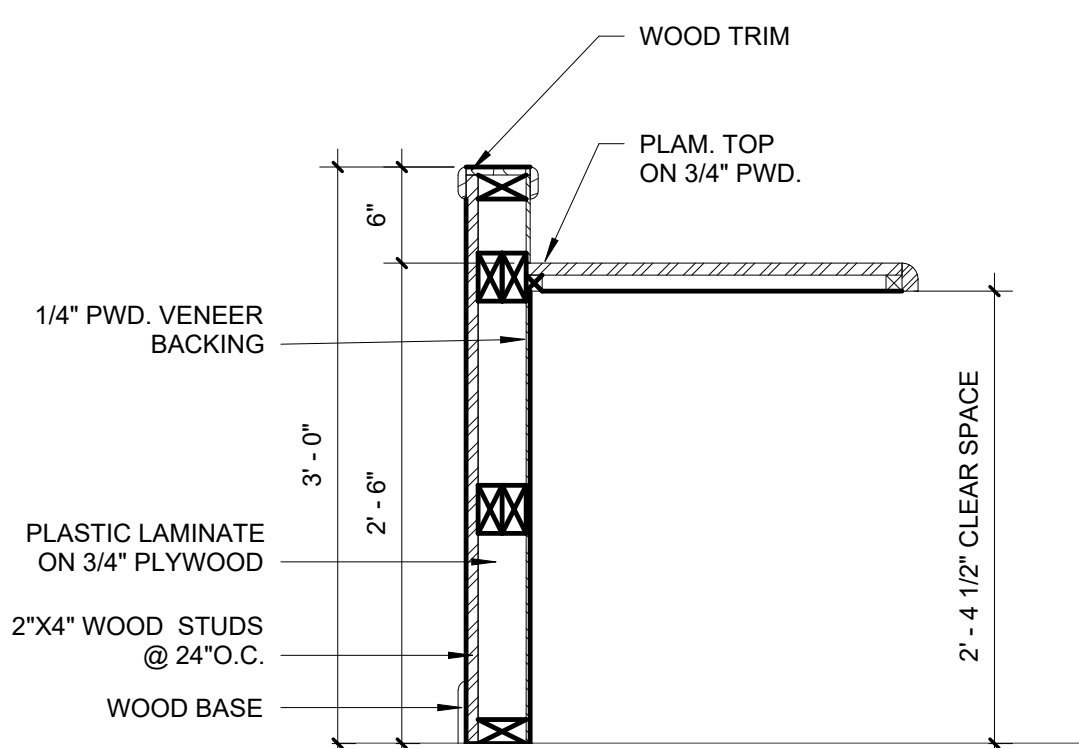
7 RECEPTION
3/4" = 1'-0"



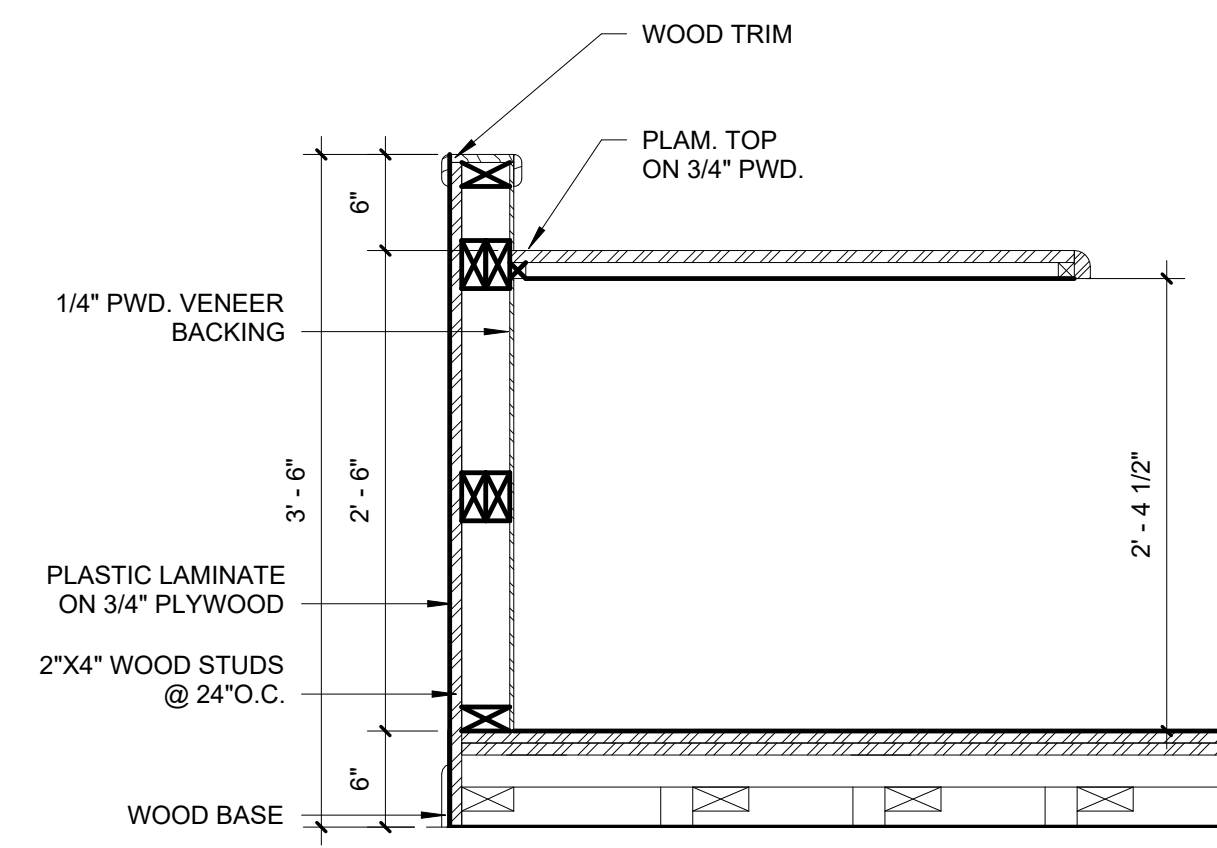
3 COURTROOM MILLWORK ELEVATION
3/4" = 1'-0"



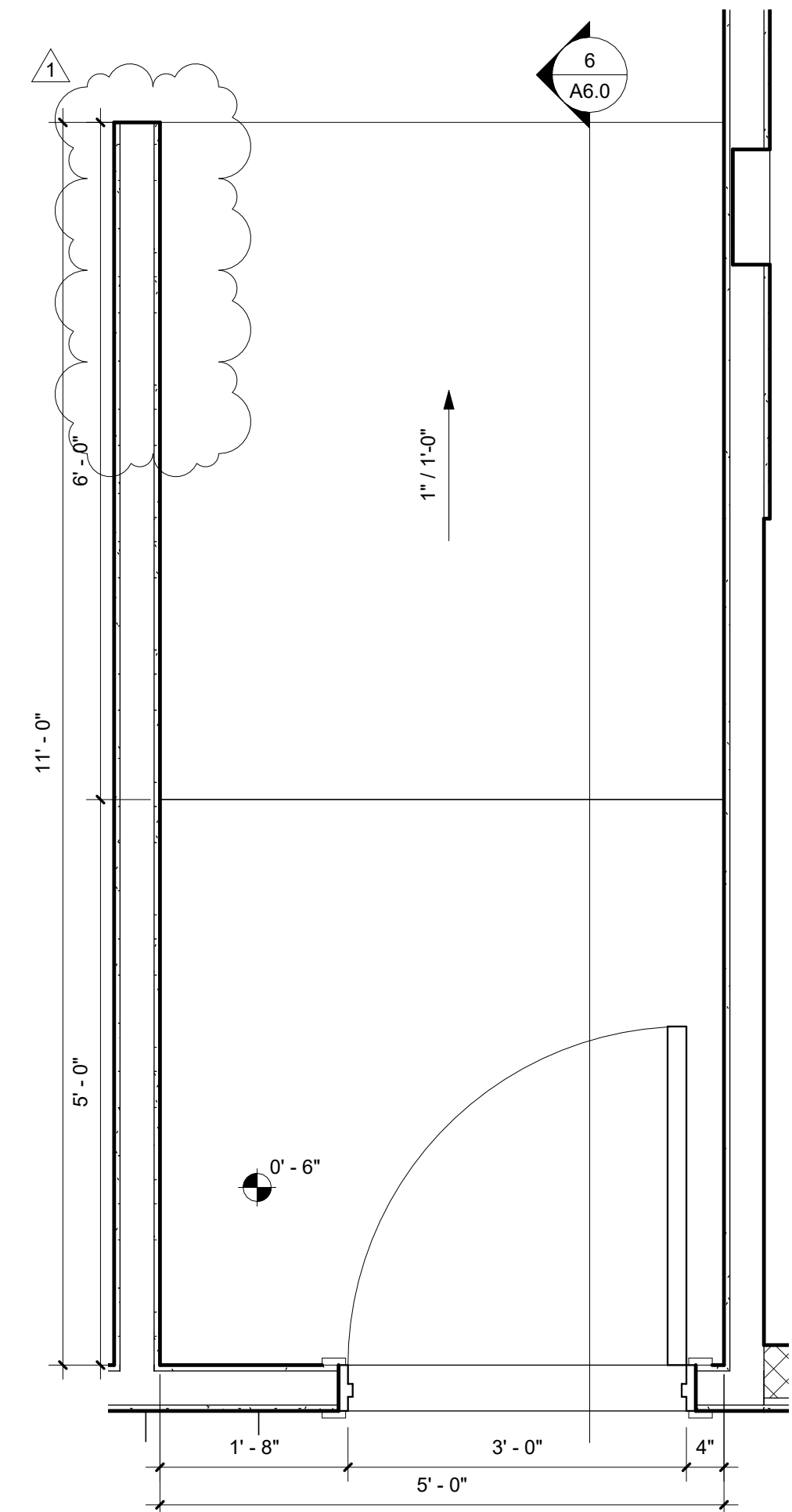
6 RAMP SECTION
3/4" = 1'-0"



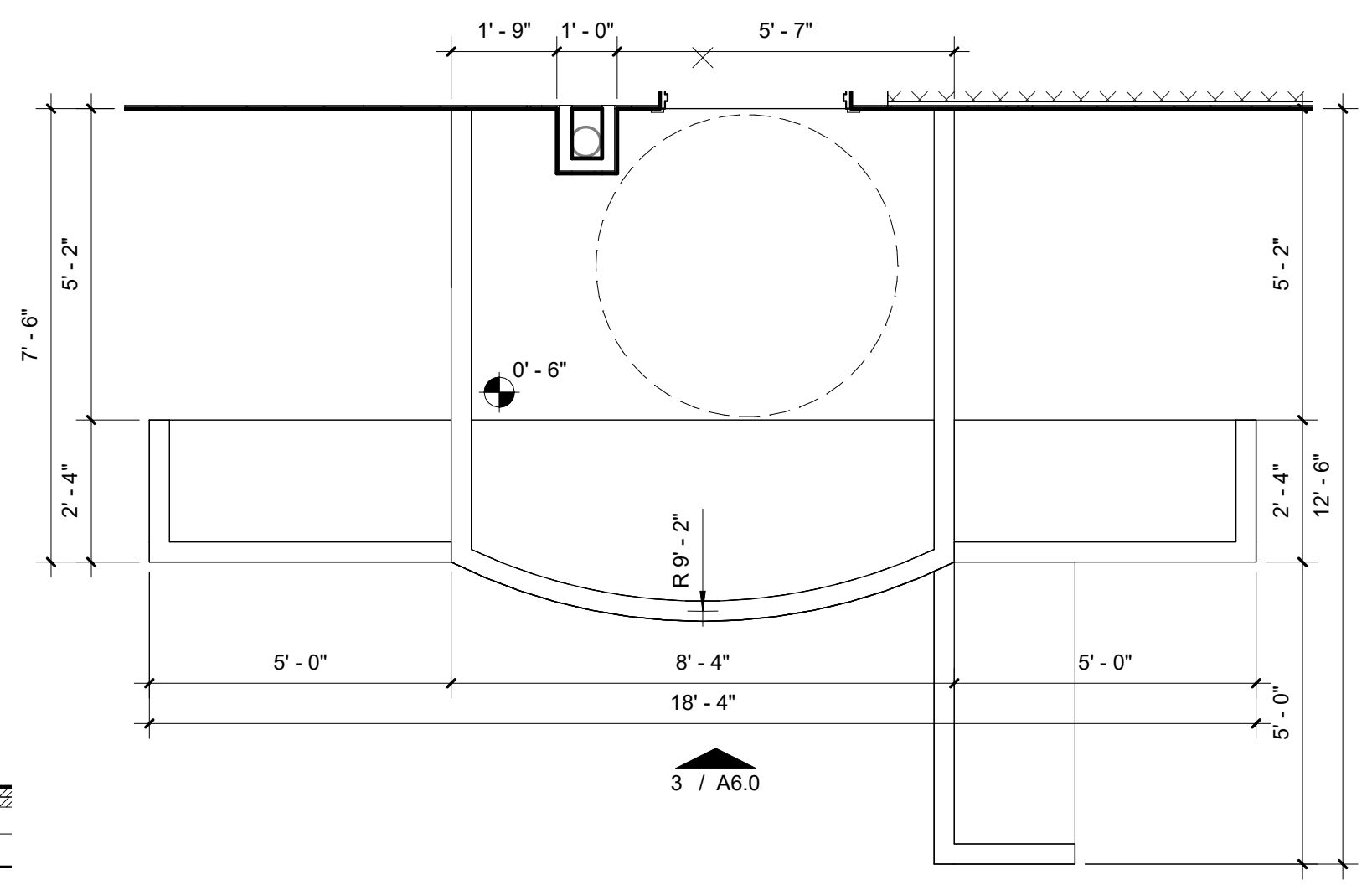
5 MILLWORK SECTION
1" = 1'-0"



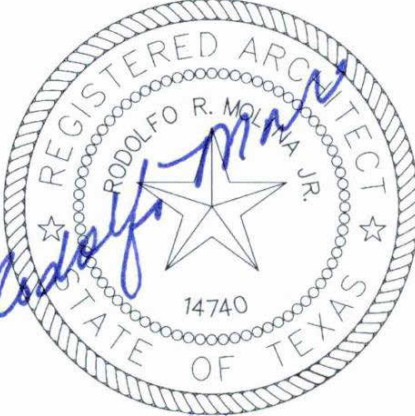
4 MILLWORK SECTION
1" = 1'-0"



2 JUDGE DESK RAMP- ENLARGED PLAN
3/4" = 1'-0"



1 JUDGE DESK- ENLARGED PLAN
3/8" = 1'-0"



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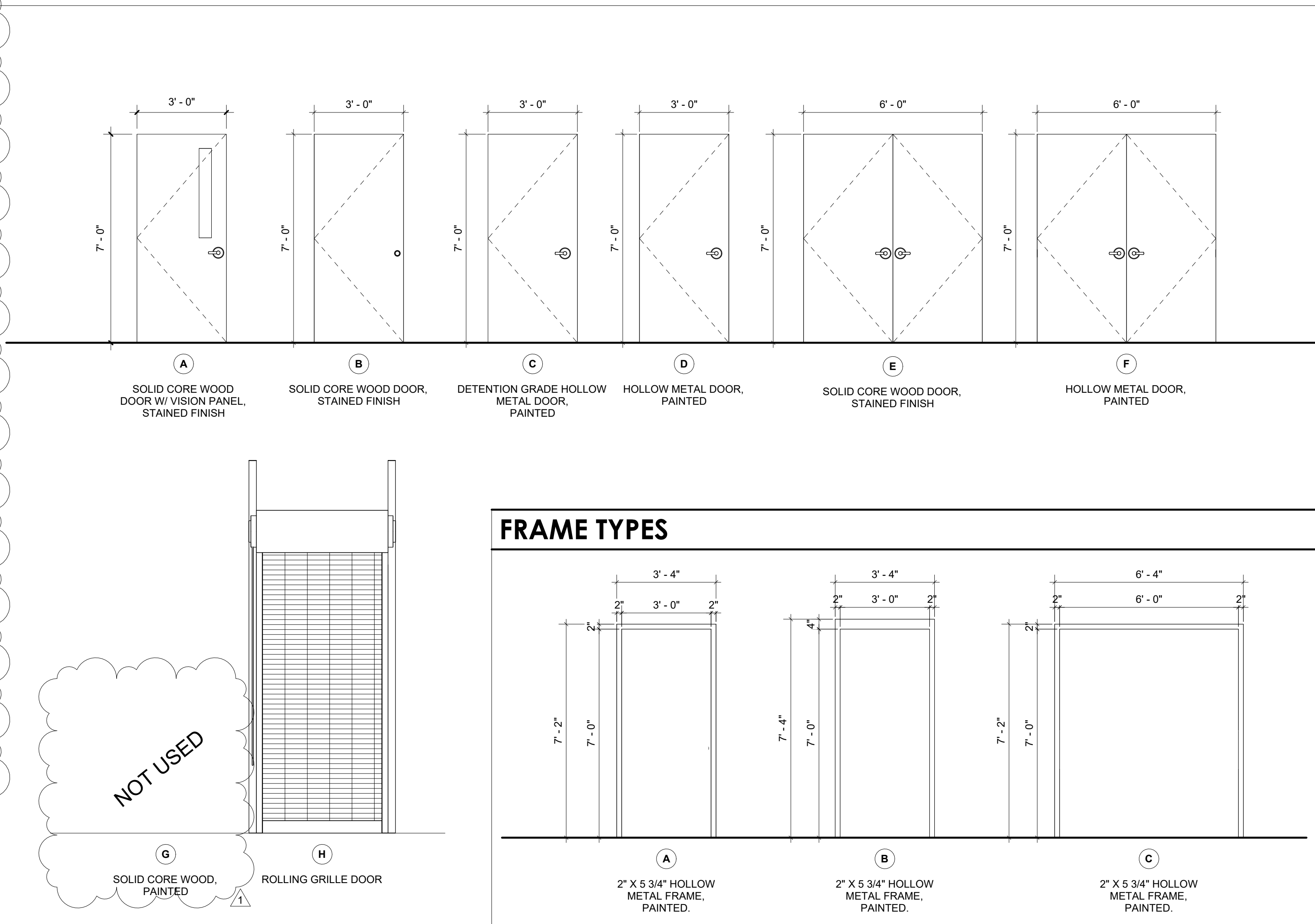
SHEET NUMBER

A6.0

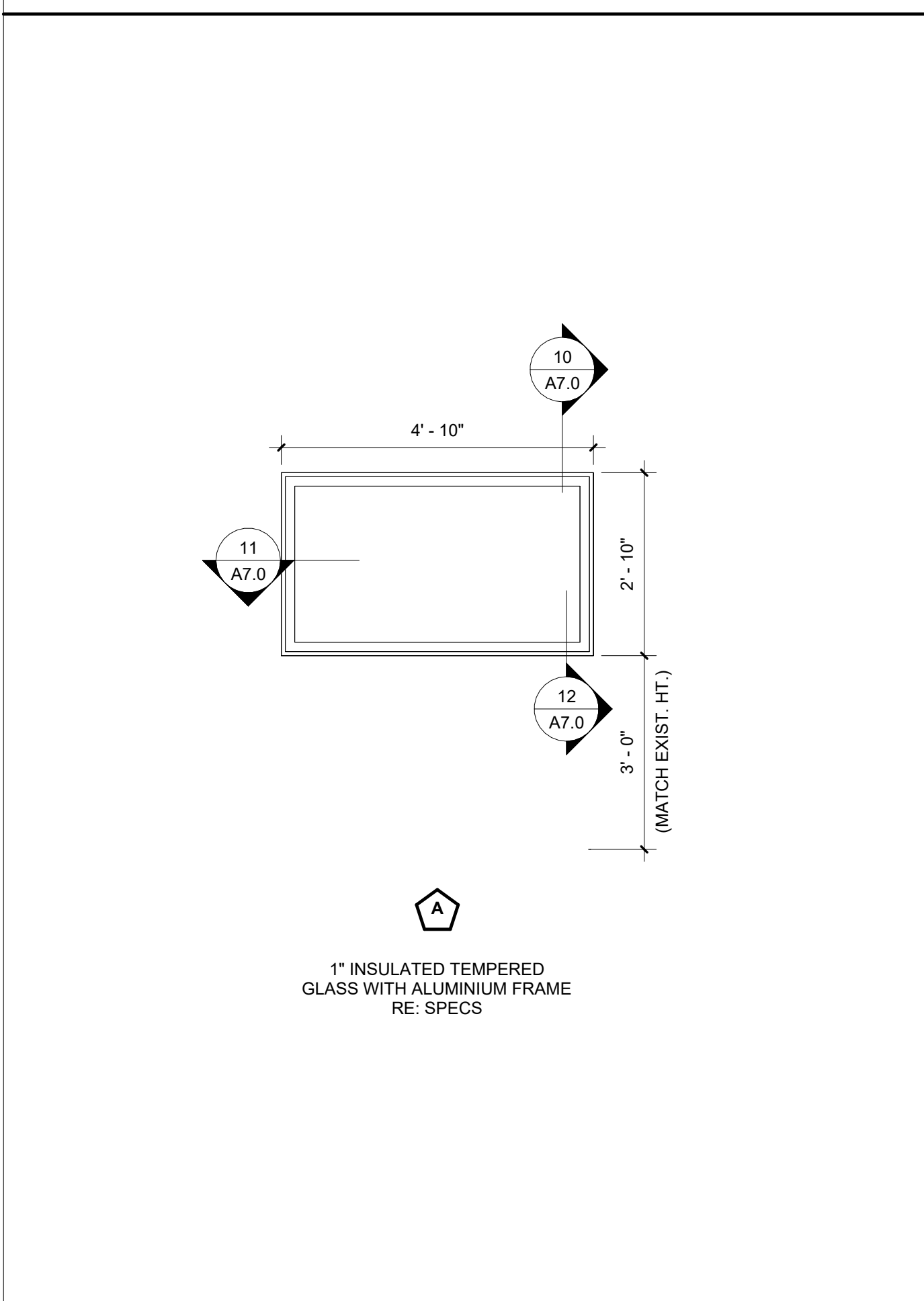
DOOR SCHEDULE														
MARK	DESCRIPTION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FIRE RATING	DOOR HARDWARE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	Comments
100	ENTRANCE	-	5' - 1 1/2"	7' - 10 3/4"		EXISTING	EXISTING	EXISTING		RE: SPECS	-	-	-	INSPECT AND REPAIR/REPLACE AS NEEDED
102	SOUNDLOCK EAST	E	6' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	C	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
102A	SOUNDLOCK EAST	E	6' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	C		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
103	EAST COURT ROOM	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B		REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
103A	EAST COURT ROOM	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
104	COURT REPORTER/ BALIFF EAST	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
104A	COURT REPORTER/ BALIFF EAST	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
105	JUDGE QUARTERS (EAST)	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
105A	JUDGE QUARTERS (EAST)	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
106	HOLDING CELL BATHROOM (EAST)	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B		REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
107	EAST PRIVATE BATHROOM	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	INSPECT AND REPAIR/REPLACE AS NEEDED
108	EAST HOLDING CELL	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B		REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
109	EAST VESTIBULE	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	A		REF: SPECS	7/A7.0	8/A7.0	9/A7.0	
109A	EAST VESTIBULE	H	5' - 0"	9' - 0"	0' - 3"	ALUMINUM		AS PER MANUF.		REF: SPECS	-	-	-	
112	NEW MEN'S BATHROOM	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
113	NEW WOMEN'S BATHROOM	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
114	COUNTY COURT AT LAW	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
115	COUNTY COURT AT LAW	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
116	SECURE STORAGE ROOM	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
120	REAR ENTRANCE VESTIBULE	F	6' - 0"	7' - 0"	0' - 2"	HOLLOW METAL	PAINTED	C		REF: SPECS	7/A7.0	8/A7.0	9/A7.0	
120A	REAR ENTRANCE VESTIBULE	-	6' - 0"	7' - 0"	0' - 2"	EXISTING	PAINTED	EXISTING		REF: SPECS	-	-	-	INSPECT AND REPAIR/REPLACE AS NEEDED
121	JURY ROOM 1	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
122	JURY R.R.	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
123	JURY ROOM 2	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
124	WEST VESTIBULE	H	5' - 0"	9' - 0"	0' - 3"	ALUMINUM		AS PER MANUF.		REF: SPECS	-	-	-	
125	WEST HOLDING CELL	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B	20 MIN	REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
126	WEST PRIVATE BATHROOM	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
127	HOLDING CELL BATHROOM (WEST)	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B		REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
128	JUDGE QUARTERS (WEST)	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
128A	JUDGE QUARTERS (WEST)	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
129	COURT REPORTER/ BALIFF WEST	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	INSPECT AND REPAIR/REPLACE AS NEEDED
129A	COURT REPORTER/ BALIFF WEST	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
130	WEST COURT ROOM	C	3' - 0"	7' - 0"	0' - 2"	DETENTION GRADE HOLLOW MTL.	PAINTED	B		REF: SPECS	4/A7.0	5/A7.0	6/A7.0	
130A	WEST COURT ROOM	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
131	SOUNDLOCK WEST	E	6' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	C	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
131A	SOUNDLOCK WEST	E	6' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	C		REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
133	MEETING ROOM	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
133A	MEETING ROOM	A	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
134	MECHANICAL	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
135	ELECTRICAL/IDF	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
136	MECHANICAL 2	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	INSPECT AND REPAIR/REPLACE AS NEEDED
137	STORAGE	B	3' - 0"	7' - 0"	0' - 2"	SOLID CORE WOOD	STAINED	A	20 MIN	REF: SPECS	1/A7.0	2/A7.0	3/A7.0	
138	SMALL MECHANICAL	D	3' - 0"	7' - 0"	0' - 2"	HOLLOW METAL	PAINTED	A		REF: SPECS	7/A7.0	8/A7.0	9/A7.0	

1

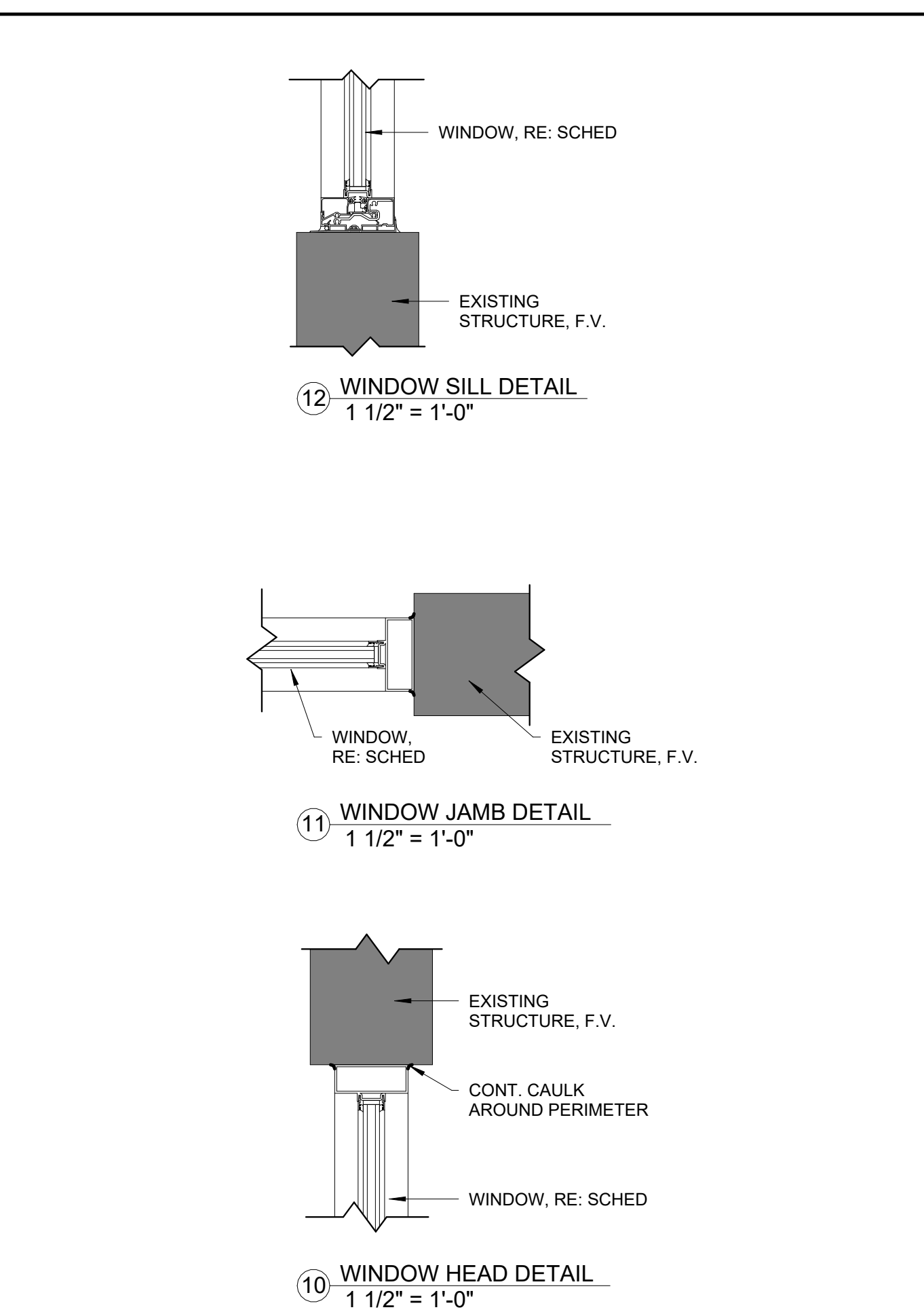
DOOR TYPES



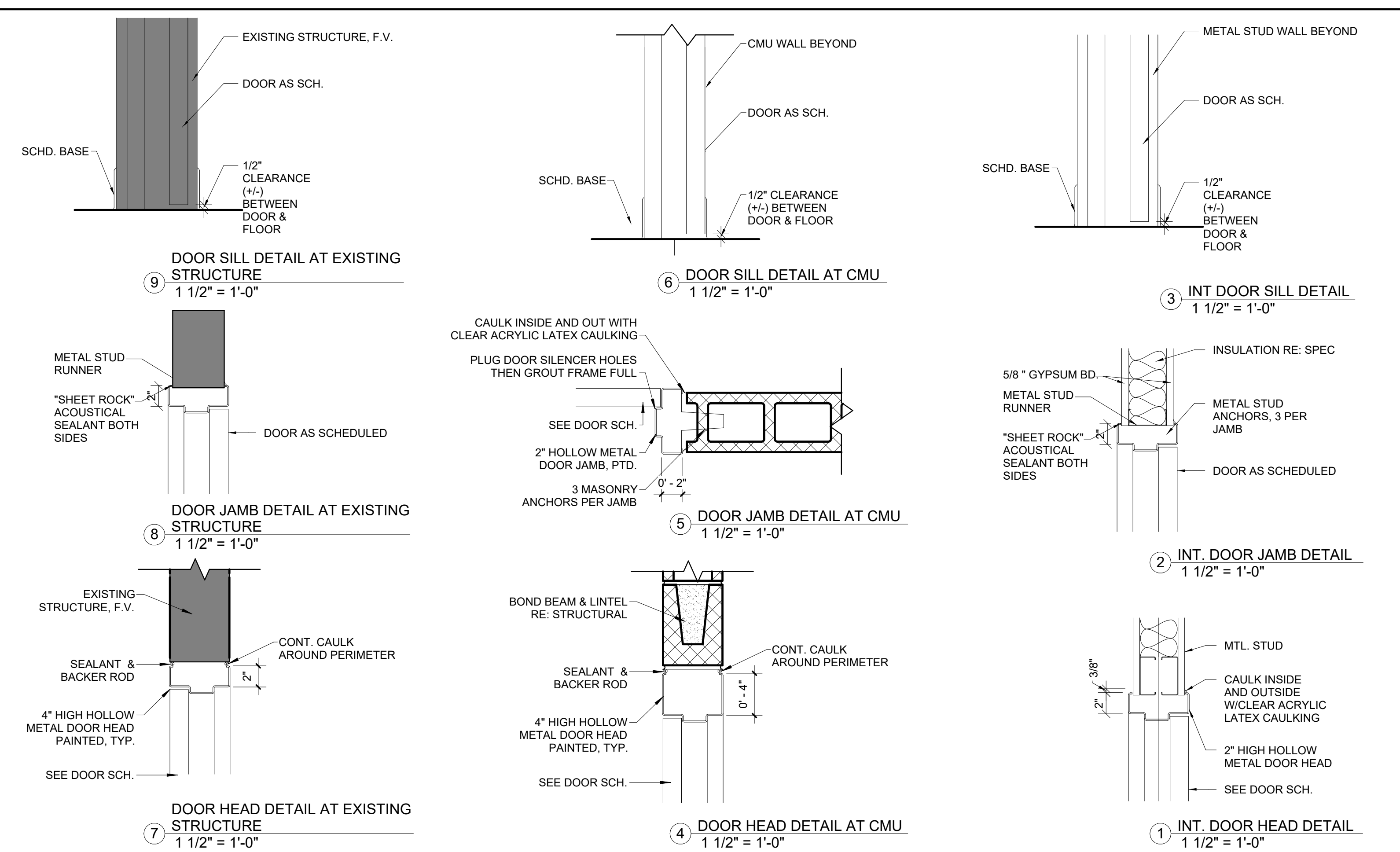
WINDOW TYPES



WINDOW DETAILS

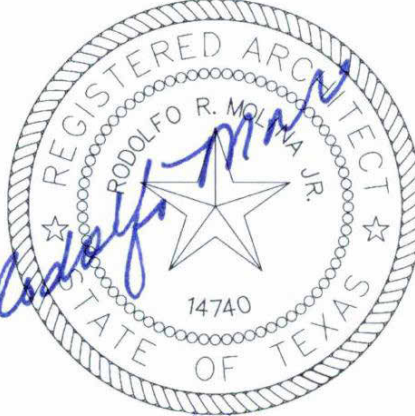


DOOR DETAILS



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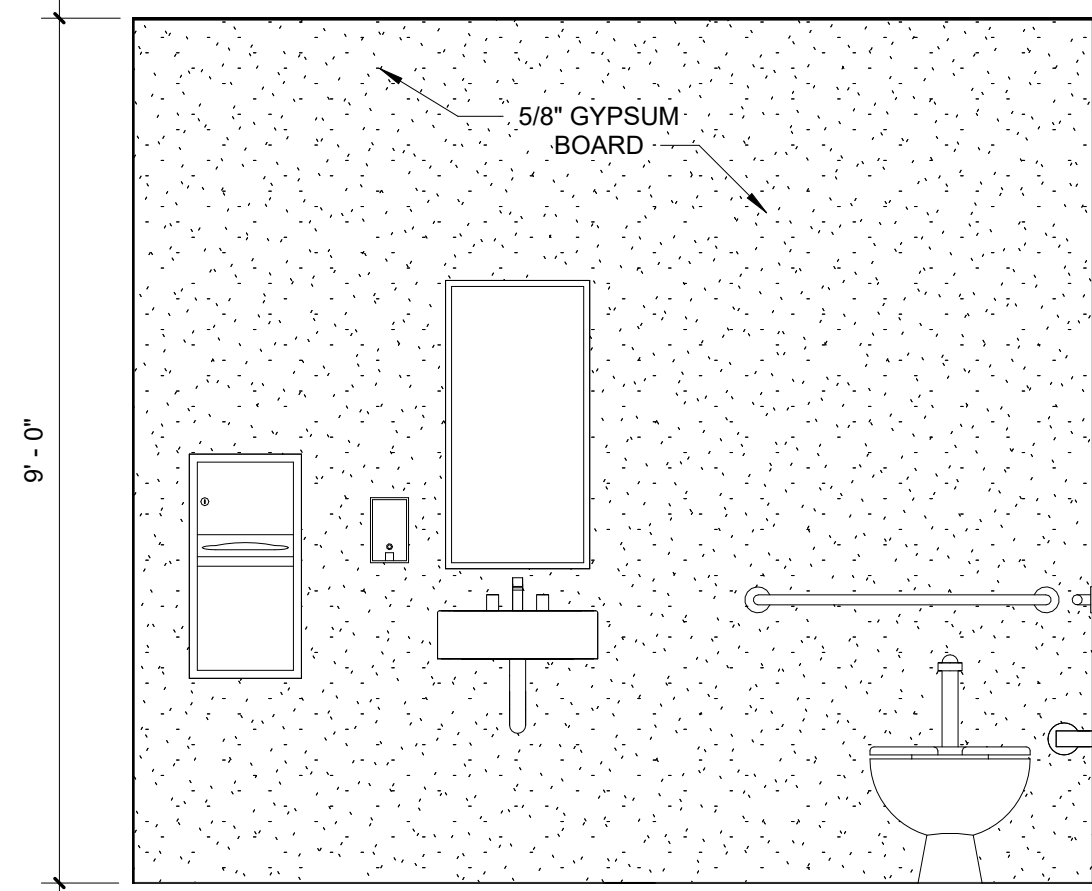
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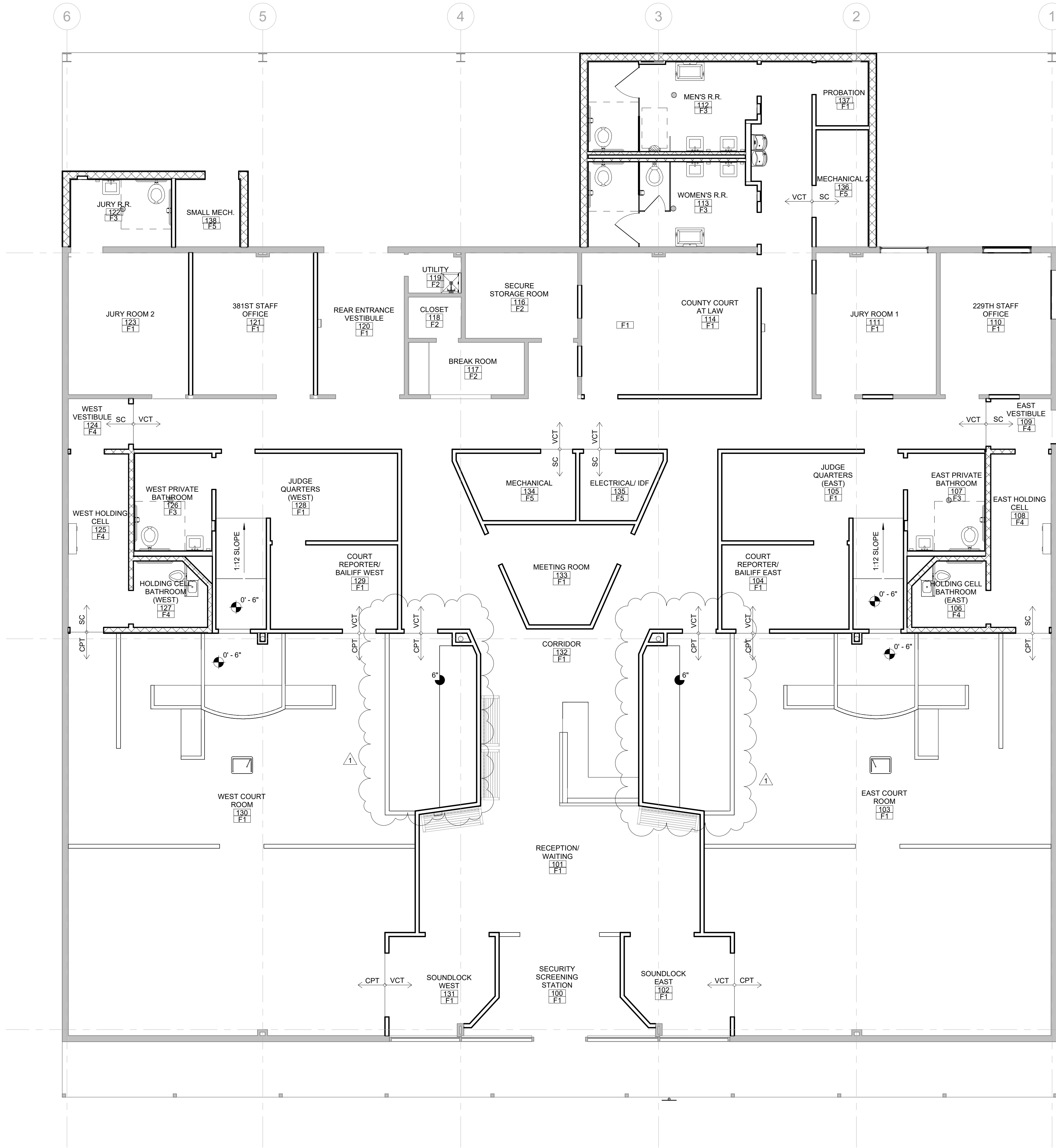
ROOM SCHEDULE							
Number	Name	FINISH KEY NOTE	WALLS	BASE	FLOOR	CEILING	Comments
100	SECURITY SCREENING STATION	F1	P-1	B-1	VCT	C-1	
101	RECEPTION/ WAITING	F1	P-1	B-1	VCT	C-1	
102	SOUNDLOCK EAST	F1	P-1	B-1	VCT	C-1	
103	EAST COURT ROOM	F6	P-1	B-1	CPT	C-1	
104	COURT REPORTER/ BAILIFF EAST	F1	P-1	B-1	VCT	C-1	
105	JUDGE QUARTERS (EAST)	F1	P-1	B-1	VCT	C-1	
106	HOLDING CELL BATHROOM (EAST)	F4	P-3	-	SC	C-4	
107	EAST PRIVATE BATHROOM	F3	P-2	B-1	VCT	C-2	
108	EAST HOLDING CELL	F4	P-3	-	SC	C-4	
109	EAST VESTIBULE	F4	P-3	-	SC	C-4	
110	229TH STAFF OFFICE	F1	P-1	B-1	VCT	C-1	
111	JURY ROOM 1	F1	P-1	B-1	VCT	C-1	
112	MEN'S R.R.	F3	P-2	B-1	VCT	C-2	
113	WOMEN'S R.R.	F3	P-2	B-1	VCT	C-2	
114	COUNTY COURT AT LAW	F1	P-1	B-1	VCT	C-1	
115	PROBATION OFFICE	F1	P-1	B-1	VCT	C-1	
116	SECURE STORAGE ROOM	F2	P-1	B-1	VCT	C-2	
117	BREAK ROOM	F2	P-1	B-1	VCT	C-2	
118	CLOSET	F2	P-1	B-1	VCT	C-2	
119	UTILITY	F2	P-1	B-1	VCT	C-2	
120	REAR ENTRANCE VESTIBULE	F1	P-1	B-1	VCT	C-1	
121	381ST STAFF OFFICE	F1	P-1	B-1	VCT	C-1	
122	JURY R.R.	F3	P-2	B-1	VCT	C-2	
123	JURY ROOM 2	F1	P-1	B-1	VCT	C-1	
124	WEST VESTIBULE	F4	P-3	-	SC	C-4	
125	WEST HOLDING CELL	F4	P-3	-	SC	C-4	
126	WEST PRIVATE BATHROOM	F3	P-2	B-1	VCT	C-2	
127	HOLDING CELL BATHROOM (WEST)	F4	P-3	-	SC	C-4	
128	JUDGE QUARTERS (WEST)	F1	P-1	B-1	VCT	C-1	
129	COURT REPORTER/ BAILIFF WEST	F1	P-1	B-1	VCT	C-1	
130	WEST COURT ROOM	F6	P-1	B-1	CPT	C-1	
131	SOUNDLOCK WEST	F1	P-1	B-1	VCT	C-1	
132	CORRIDOR	F1	P-1	B-1	VCT	C-1	
133	MEETING ROOM	F1	P-1	B-1	VCT	C-1	
134	MECHANICAL	F5	P-1	B-1	SC	C-3	
135	ELECTRICAL/ IDF	F5	P-1	B-1	SC	C-3	
136	MECHANICAL 2	F5	P-1	B-1	SC	C-3	
137	PROBATION	F1	P-1	B-1	VCT	C-1	
138	SMALL MECH.	F5	P-1	B-1	SC	C-3	

ROOM FINISH SCHEDULE						
Key Name	WALLS	BASE	FLOOR	CEILING	MISC.	REMARKS
F1	P-1	B-1	VCT	C-1		
F2	P-1	B-1	VCT	C-2		
F3	P-2	B-1	VCT	C-2		
F4	P-3	-	SC	C-4		
F5	P-1	B-1	SC	C-3		
F6	P-1	B-1	CPT	C-1		

ROOM FINISH STANDARDS	
WALLS	
P-1	LATEX PAINT
P-2	EPOXY PAINT
P-3	GLAZED CMU
FLOOR COVERINGS	
VCT	VINYL COMPOSITION TILE
SC	SEALED CONCRETE
CPT	CARPET TILE
BASE	
B-1	4" RUBBER BASE
CEILING	
C-1	SUSP. ACOUSTICAL CEILING (2X2)
C-2	PAINTED GYPSUM BOARD
C-3	EXPOSED STRUCTURE, PAINTED
C-4	PLYWOOD CEILING



2 TYP. RESTROOM ELEV.
1/2" = 1'-0"



1 FINISH FLOOR
3/16" = 1'-0"



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ISSUE FOR BIDS

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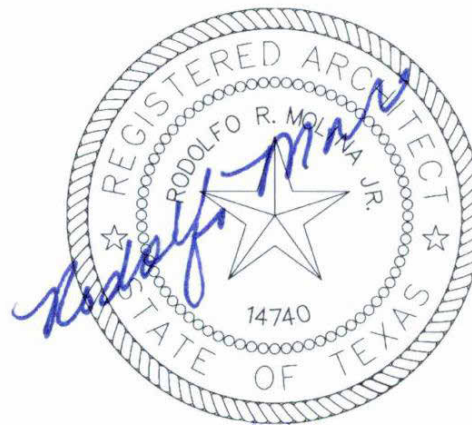
SHEET NUMBER

A7.1



MILNET
ARCHITECTURAL
SERVICES

AMERICAN INSTITUTE OF ARCHITECTS



11.12.2025

STARR COUNTY COURTHOUSE TEMPORARY
HOUSING INTERIOR BUILD-OUT
STARR COUNTY
1920 US-83 RIO GRANDE CITY, TX

PROJECT NUMBER
224026

DATE
11.12.2025

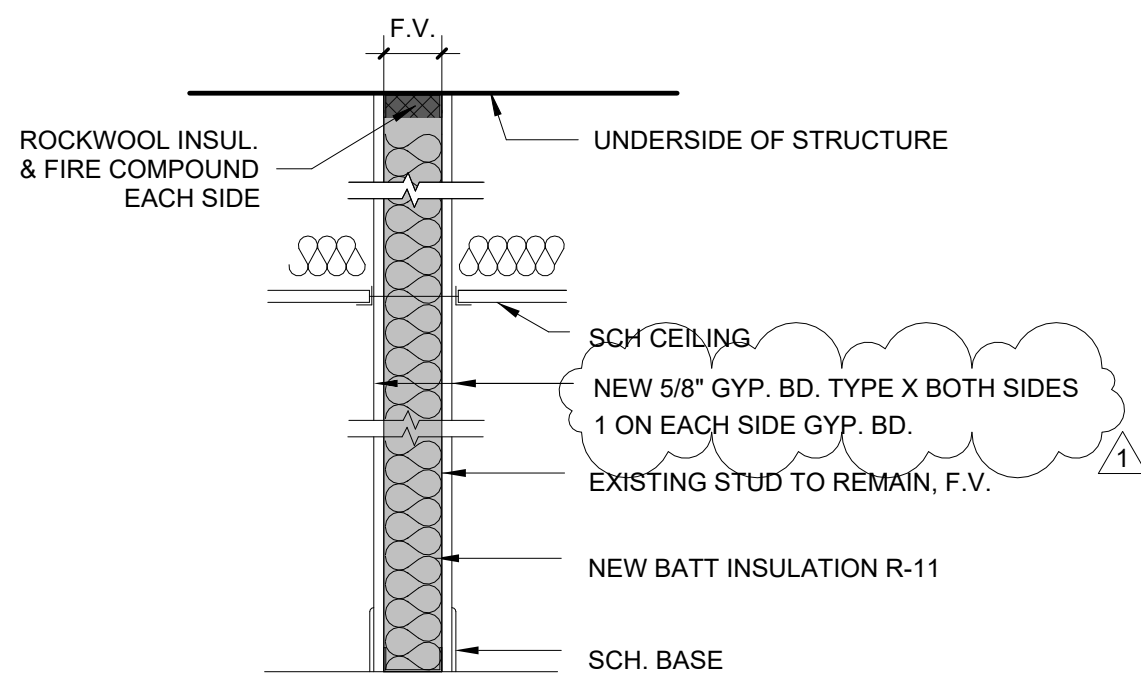
ISSUE FOR BIDS

ADD NO.1 12/03/2025

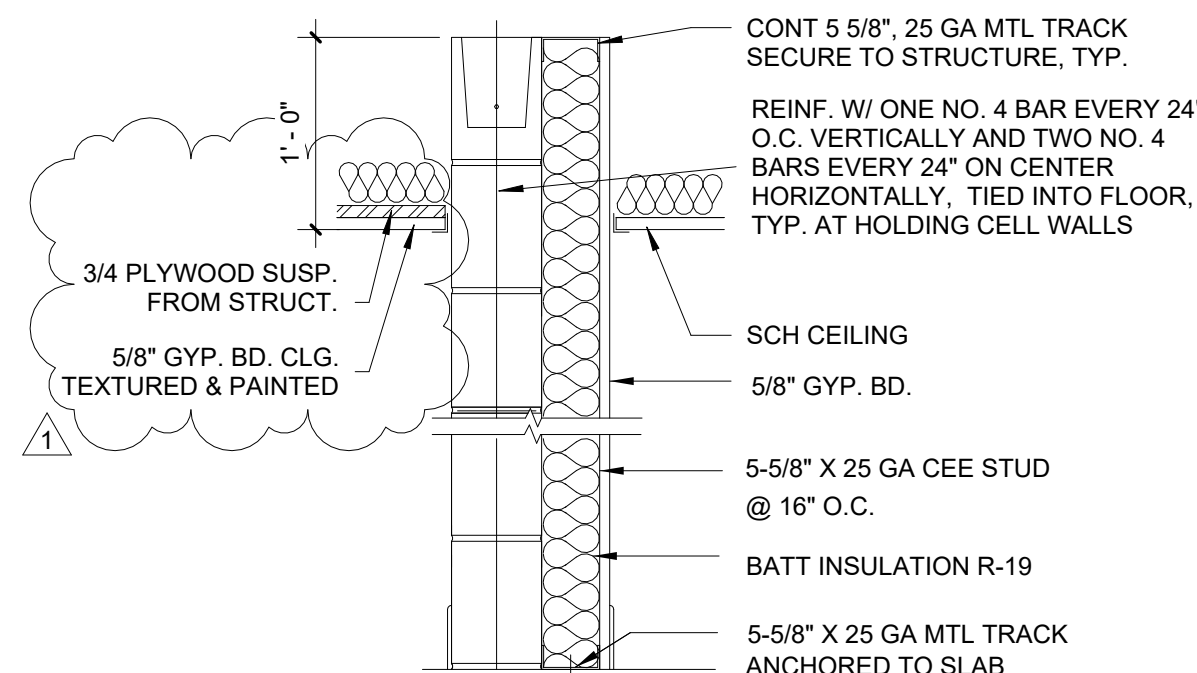
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A7.2

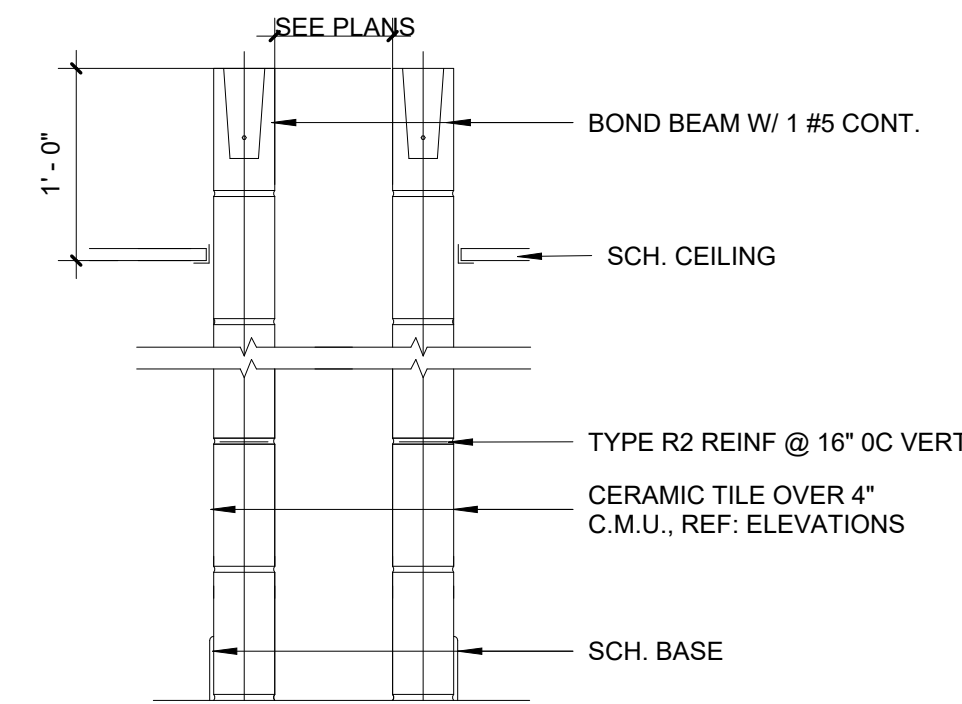
1 PARTITION TYPES
1" = 1'-0"



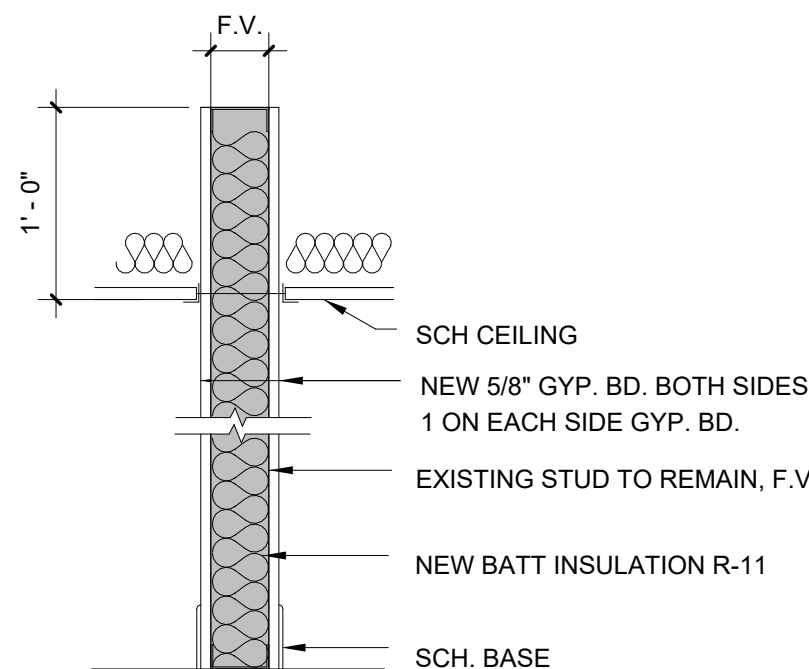
H1 EXISTING STUD W/ NEW GYP.
U.L. #U465 - 1HR. FIRE RATED



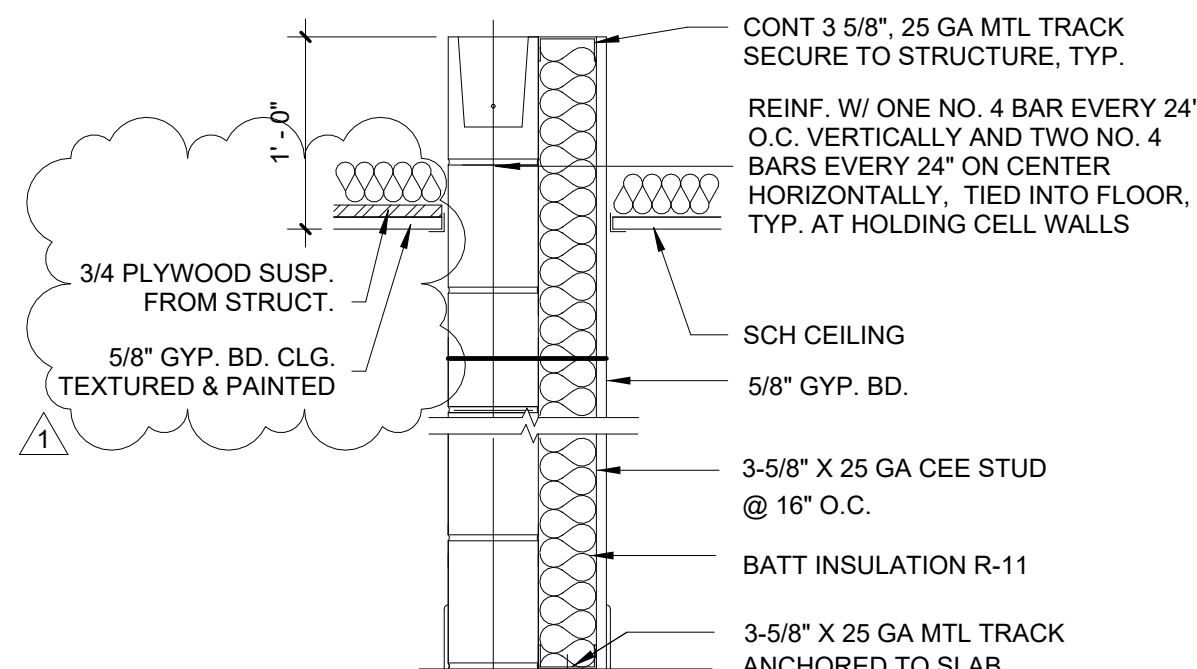
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5-5/8" MTL. STUDS



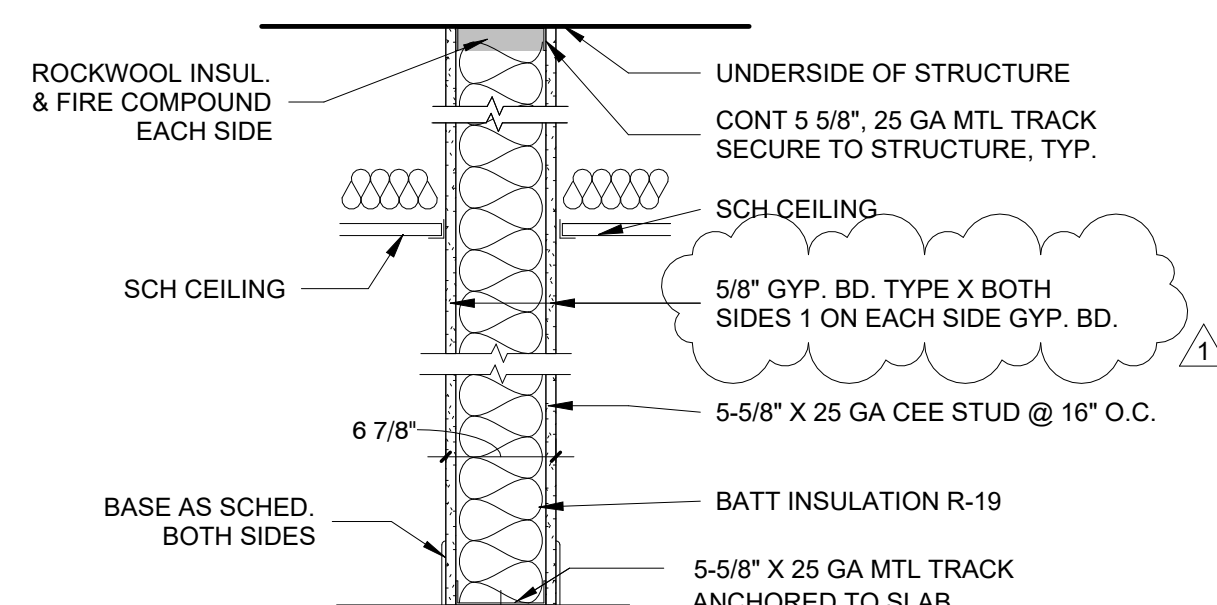
C C.M.U. CHASE WALL



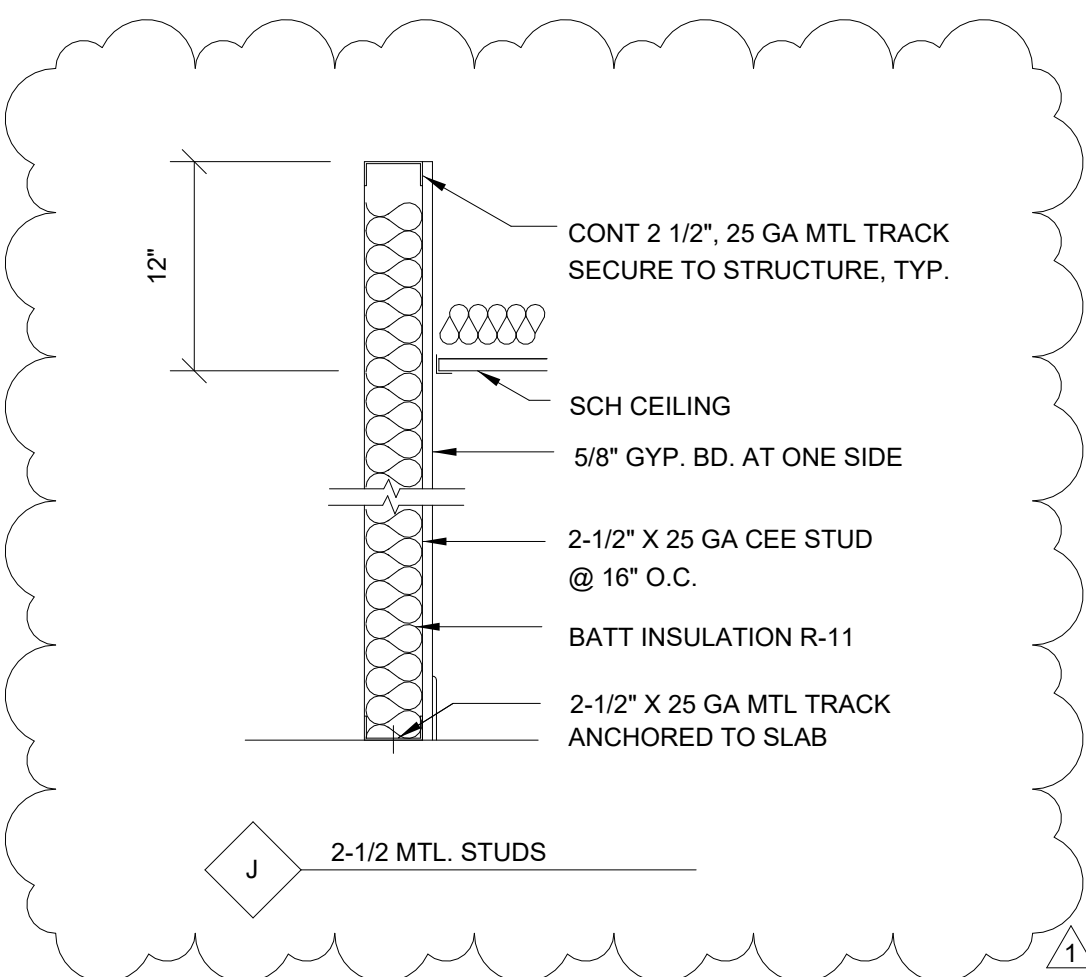
H EXISTING STUD W/ NEW GYP.



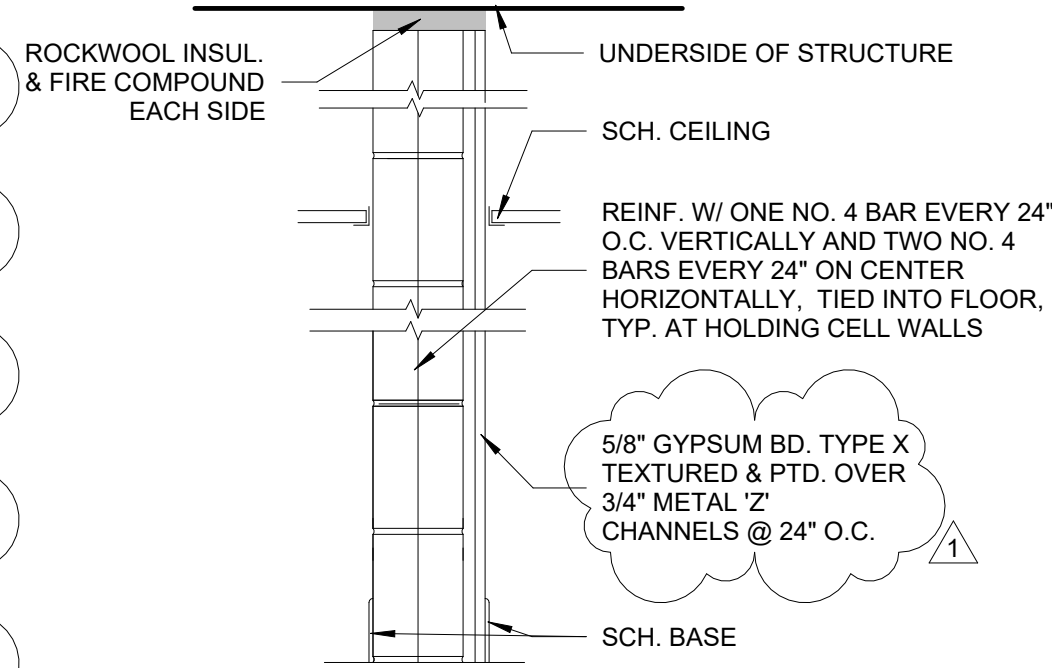
F 6" GLAZED C.M.U. WALL W/
3-5/8" MTL. STUDS



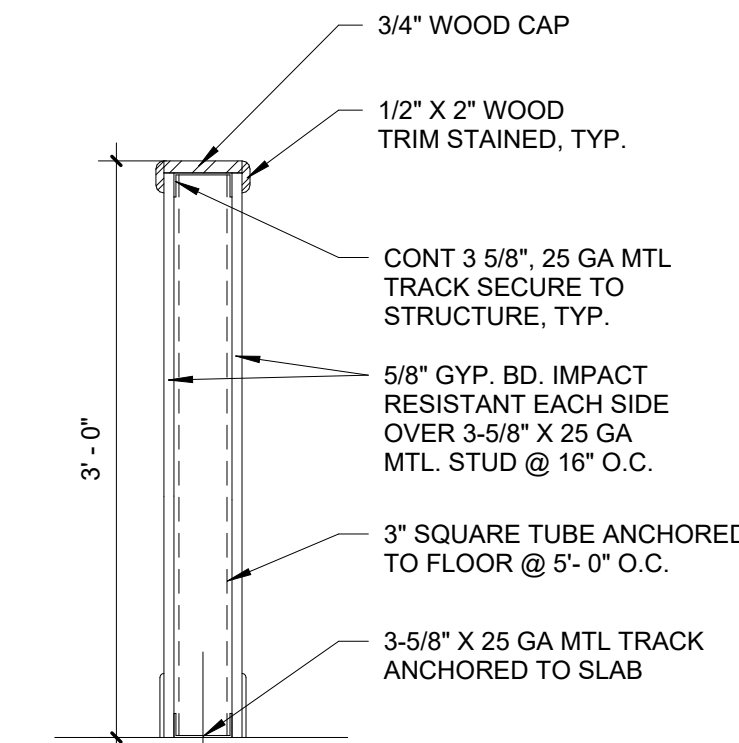
B 5-5/8" MTL. STUDS
U.L. #U465 - 1HR. FIRE RATED



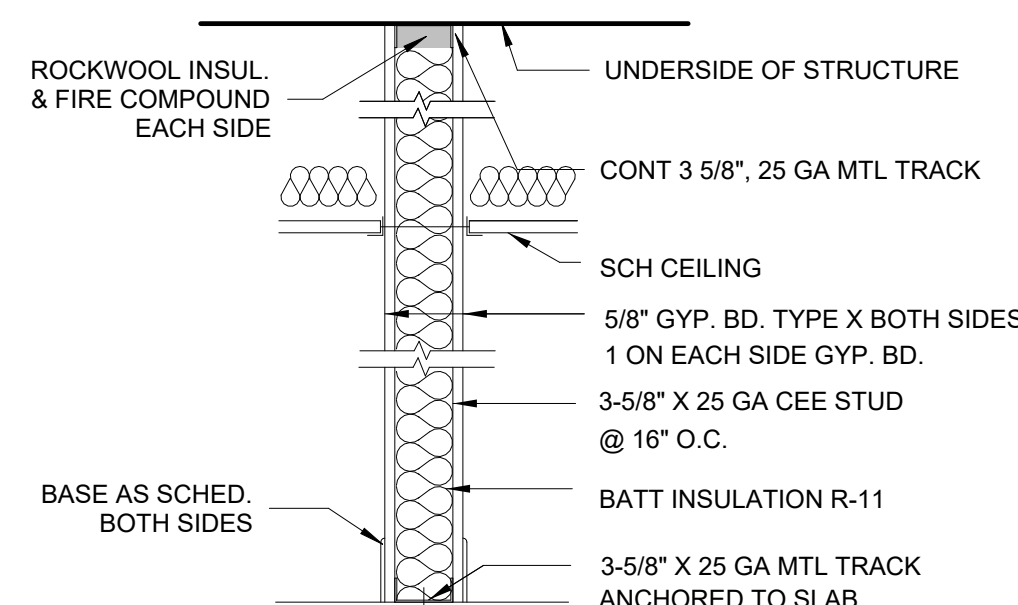
J 2-1/2" MTL. STUDS



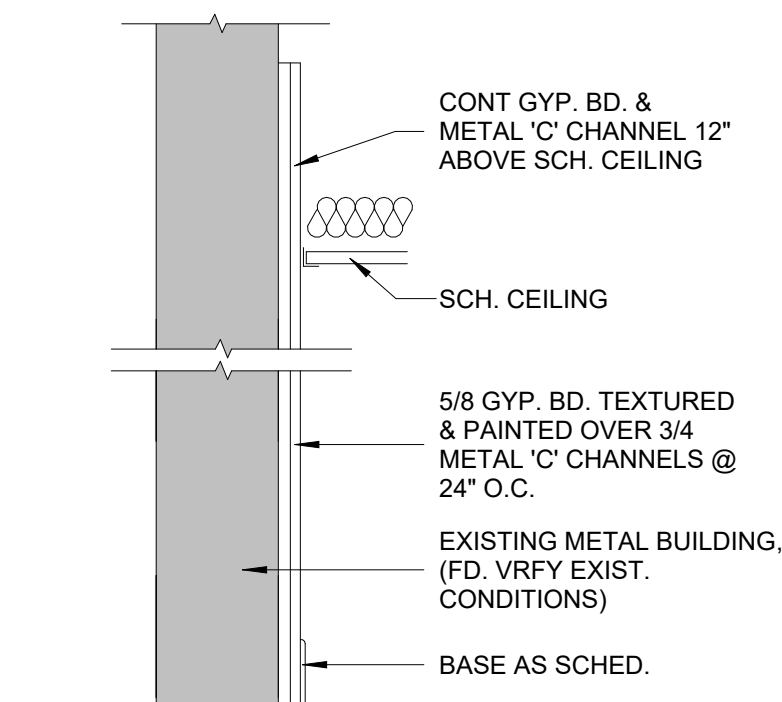
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U.L. U906- 1HR. FIRE RATED
GYP. BD. OVER "Z" CHANNELS ON ONE SIDE



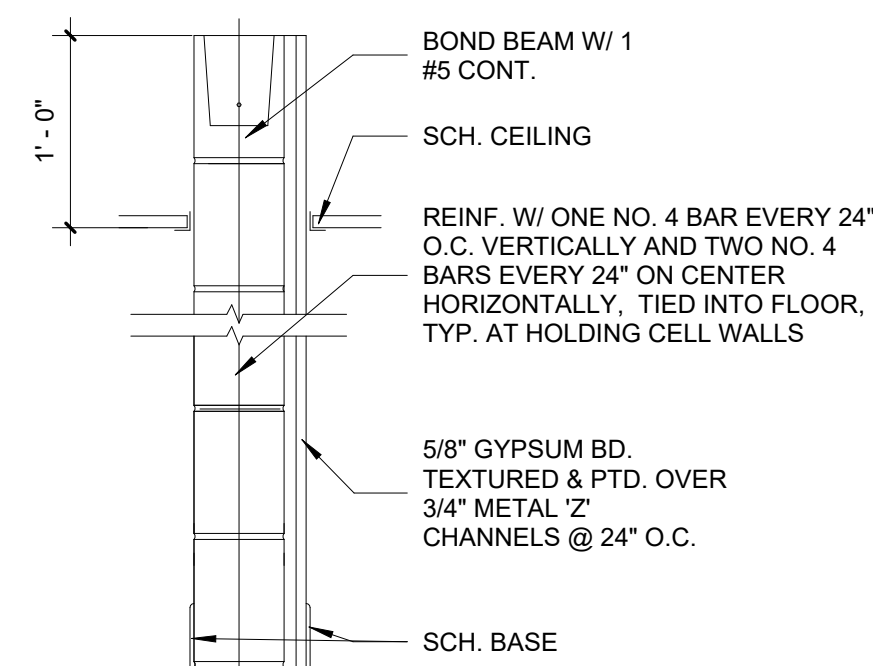
E 3-5/8" HALF WALL



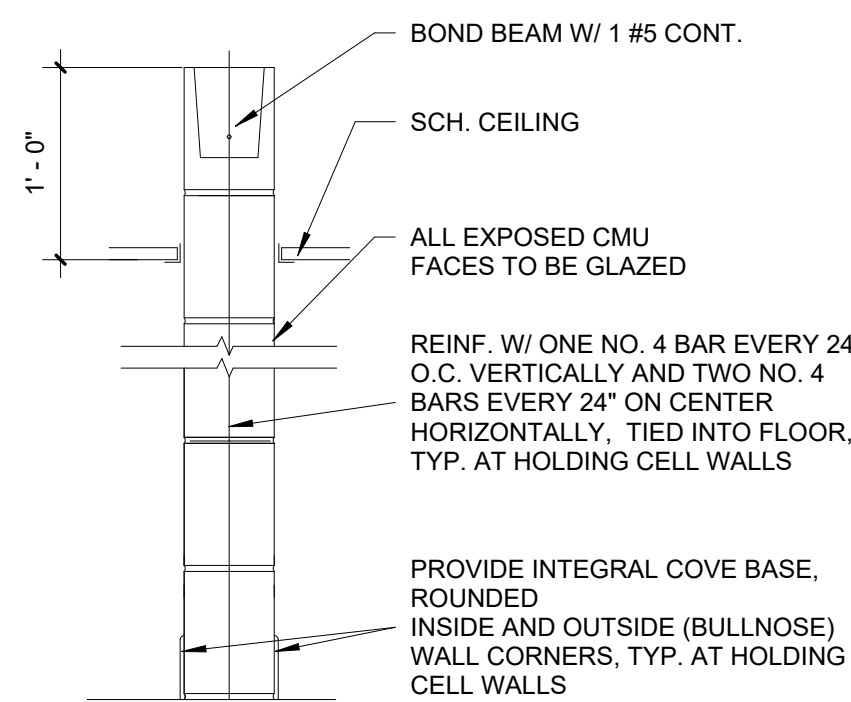
A1 3-5/8" MTL. STUDS
U.L. #U465 - 1HR. FIRE RATED



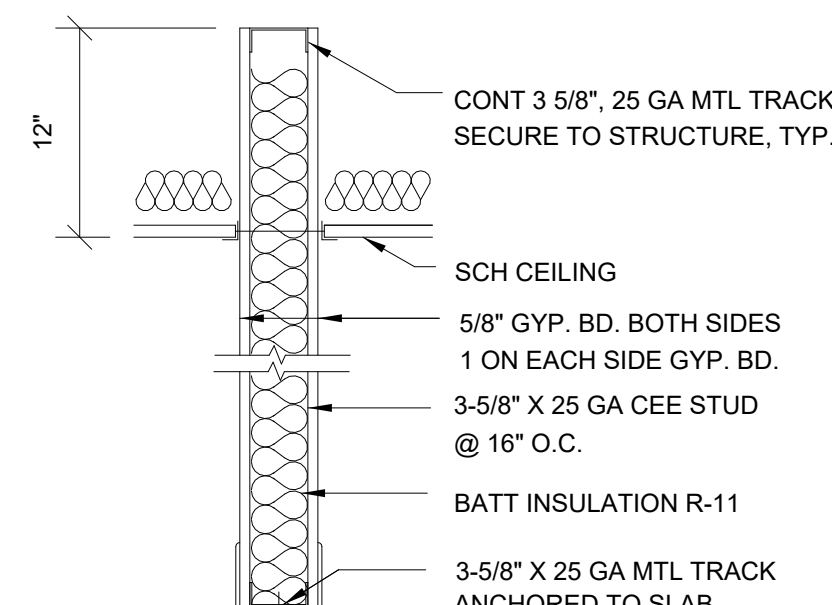
I FURRING WALL



G 6" GLAZED C.M.U. WALL W/
GYP. BD. OVER "Z" CHANNELS ON ONE SIDE



D 6" GLAZED C.M.U. WALL



A 3-5/8" MTL. STUDS

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
- C. Related Sections:
 - 1. Division 08 Section "Operations and Maintenance".
 - 2. Division 08 Section "Door Schedule".
 - 3. Division 08 Section "Door Hardware Schedule".
 - 4. Division 08 Section "Hollow Metal Doors and Frames".
 - 5. Division 08 Section "Flush Wood Doors".
 - 6. Division 08 Section "Fire-Rated Steel Framed Entrances".
 - 7. Division 08 Section "Detention Door Hardware".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ANSI/SDI A250.13 - Testing and Rating of Severe Windstorm Resistant Components for Swing Door Assemblies.
 - 3. ICC/IBC - International Building Code.
 - 4. NFPA 70 - National Electrical Code.
 - 5. NFPA 80 - Fire Doors and Windows.
 - 6. NFPA 101 - Life Safety Code.
 - 7. NFPA 105 - Installation of Smoke Door Assemblies.
 - 8. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series.
 - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 - 3. ANSI/UL 294 - Access Control System Units.
 - 4. UL 305 - Panic Hardware.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- D. Informational Submittals:
 - 1. Hurricane Resistant Openings: Exterior hurricane opening assemblies to be tested according to ASTM E330, ASTM E1886, ASTM E1996, TAS 201, TAS 202, TAS 203 standards, and certified by a qualified independent third party agency acceptable to authority having jurisdiction, with labeling indicating compliance with the design pressure and debris impact resistance level requirements specified for the Project.
 - 2. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

1.4 CLOSEOUT SUBMITTALS

- A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
- B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.5 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
- F. Hurricane Resistant Exterior Openings (State of Texas): Provide exterior hollow metal and door hardware assemblies approved by the Texas Department of Insurance (TDI), including anchorage, capable of withstanding wind load design pressures calculated for this project by a registered architect or engineer and are part of the construction documents per the Texas Department of Insurance, authorities having jurisdiction, and the International Building Code Design Loads Section 1609.
 - 1. Each unit to bear third party permanent label in accordance with the Texas Department of Insurance requirements applicable to project.
 - 2. Hurricane Resistance Test Performance: Provide hollow metal and door hardware approved assemblies that pass large missile-impact tests, as required by Texas Department of Insurance systems location above grade and cyclic-pressure tests according to testing requirements of authorities having jurisdiction.
 - a. Impact Resistance: Hollow metal with approved door hardware assemblies must satisfy the Texas Department of Insurance's criteria for protection from windborne debris complying with the International Building Code (IBC). Assemblies must pass

the large missile impact test (which equates to Missile Level D or Missile Level E as specified in ASTM E 1996-02). Assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

- G. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
- I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures
- J. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of

other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

1.9 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 MATERIALS

- A. Hardware shall not have any visible manufacturer names on exposed materials, except cylinders, when the door is in a closed position.

2.3 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for all out-swinging lockable doors.
5. Manufacturers:
 - a. McKinney (MK) - TA/T4A Series, 5-knuckle.

2.4 DOOR OPERATING TRIM

- A. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.

2. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets. When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
3. Manufacturers:

- a. Rockwood (RO).

2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
 1. Manufacturers:
 - a. Sargent Manufacturing (SA).
- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 4. Tubular deadlocks and other auxiliary locks.
 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 6. Keyway: Manufacturer's Standard.
- C. Large Format Interchangeable Cores: Provide removable cores (LFIC) as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.
- D. Keying System: Each type of lock and cylinders to be factory keyed.
 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 3. New System: Key locks to a new key system as directed by the Owner.
- E. Key Quantity: Provide the following minimum number of keys:
 1. Change Keys per Cylinder: Two (2)
 2. Master Keys (per Master Key Level/Group): Five (5).
 3. Construction Keys (where required): Ten (10).
 4. Construction Control Keys (where required): Two (2).
 5. Permanent Control Keys (where required): Two (2).
- F. Construction Keying: Provide temporary keyed construction cores.
- G. Key Registration List (Bitting List):
 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.6 KEY CONTROL

- A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.
1. Manufacturers:
 - a. Lund Equipment (LU).
 - b. MMF Industries (MM).
 - c. Telkee (TK).

2.7 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.
1. Provide locksets with functions and features as follows:
 - a. Heavy duty 12-gauge wrought steel case.
 - b. Stainless steel 3/4" one-piece anti-friction reversible latchbolt with a one-piece hardened stainless steel 1" projection deadbolt.
 - c. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
 - d. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
 - e. Status indicators inside, outside, or on both sides of doors as specified; available with wording for "locked/unlocked", "vacant/occupied" or custom wording options. Indicator to be located above the cylinder with the inside thumb-turn not blocking the visibility of the indicator status.
 - f. Ten-year limited warranty for mechanical functions.
 2. Manufacturers:
 - a. Sargent Manufacturing (SA) - 8200 Series.

2.8 CYLINDRICAL LOCKS AND LATCHING DEVICES

- A. Cylindrical Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.2, Series 4000, Operational Grade 1 Certified Products Directory (CPD) listed cylindrical locksets. Listed manufacturers shall meet all functions and features as specified herein.
1. Provide locksets with functions and features as follows:
 - a. Meets ANSI/BHMA A156.41 for single motion egress.
 - b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
 - c. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.

- d. Exceeds ANSI/BHMA A156.2 requirements by 2.6 times for 3,100 in-lb. abusive locked lever torque with no entry while maintaining egress.
- e. Exceeds ANSI/BHMA A156.2 requirements by 8 times for 1,600 lbs. offset lever pull with no entry for protection against attacks.
- f. Exceeds ANSI/BHMA A156.3 requirements by 2 times for latch retraction with 100 lb. preload while maintaining operation in warped doors.
- g. Exceeds ANSI/BHMA A156.3 requirements by 20 times for no access with minimum 100 vertical impacts for protection against vandalism attempts.
- h. Independent return springs allow lock to exceed ANSI/BHMA A156.2 Grade 1 cycle requirements without lever sag.
- i. Ten-year limited warranty for mechanical functions.

2. Manufacturers:

- a. Sargent Manufacturing (SA) - 10X Line.

2.9 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 4. Dustproof Strikes: BHMA A156.16.

2.10 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
1. Exit devices shall have a five-year warranty.
 2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
 3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.

5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
 6. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
 7. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
 8. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
 9. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
 10. Rail Sizing: Provide exit device rails factory sized for proper door width application.
 11. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
 12. Hurricane and Storm Shelter Compliance: Devices to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate hurricane or storm shelter products that have been independently third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.
- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.
1. Provide exit devices with functions and features as follows:
 - a. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
 - b. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
 - c. Five-year limited warranty for mechanical features.
 2. Manufacturers:
 - a. Sargent Manufacturing (SA) - 80 Series.
- C. Extruded Aluminum Removable Mullions: ANSI/BHMA A156.3 anodized, removable mullions with malleable-iron top and bottom retainers. Mullions to be provided standard with stabilizers and imbedded weatherstrip.
1. Manufacturers:
 - a. Same as exit device manufacturer.
- D. Steel Removable Mullions: ANSI/BHMA A156.3 steel removable mullions with options for fire rating, locking, through-wire electrification and hurricane compliance as specified.
1. Provide mullions with functions and features as follows:

- a. At openings designed for severe wind load conditions due to hurricanes or tornadoes, provide manufacturer's certified mullion and accessories to meet applicable state and local windstorm codes.
 - b. Provide keyed removable feature where specified in the Hardware Sets.
 - c. Provide stabilizers and mounting brackets as required.
2. Manufacturers:
 - a. Same as exit device manufacturer.

2.11 SURFACE DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
 1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Large Body Cast Iron): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control.
 1. Large body cast iron surface mounted door closers shall have a 30-year warranty.
 2. Manufacturers:
 - a. Sargent Manufacturing (SA) - 281 Series.
- C. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
 1. Heavy duty surface mounted door closers shall have a 30-year warranty.
 2. Manufacturers:

- a. Sargent Manufacturing (SA) - 351 Series.

2.12 ARCHITECTURAL TRIM AND ACCESSORIES

A. Door Protective Trim:

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, .050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:

- a. Rockwood (RO).

2.13 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Manufacturers:

- a. Rockwood (RO).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Manufacturers:

- a. Norton Rixson (RF).

2.14 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 - 1. Pemko (PE).

2.15 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.16 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
- E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection (Punch Report): Reference Division 01 Sections “Closeout Procedures”. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
 - 1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
 - 4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

- B. Manufacturer’s Abbreviations:

1. MK - McKinney
2. SA - SARGENT
3. RO - Rockwood
4. RF - Rixson
5. PE - Pemko
6. OT - Other

Hardware Sets

Set: 1.0

Doors: 120

Description: Ext, PR, Rear Entrance

6 Hinge, Full Mortise, Hvy Wt	T4A3386xNRP 4-1/2" x 4-1/2"	US32D	MK
1 Mullion	HC980	PC	SA
1 Rim Exit Device, Storeroom	HC 64 8804 ETB	US32D	SA
1 Rim Exit Device, Exit Only	HC 8810 EO	US32D	SA
2 Core	As Required	US15	SA
1 Cylinder	980C1	US26D	SA
2 Surface Closer	351 CPS	EN	SA
2 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
2 Astragal	303CPK		PE
1 Gasketing	303AS		PE
1 Rain Guard	346C		PE
1 Gasketing Mullion	5110BL 120"		PE
2 Sweep	315CN		PE
1 Threshold	2005AV		PE

Set: 2.0

Doors: 138

Description: Ext, Small Mech

3 Hinge, Full Mortise, Hvy Wt	T4A3386xNRP 4-1/2" x 4-1/2"	US32D	MK
1 Storeroom Deadbolt Lock	64 8251 LB	US26D	SA
1 Core	As Required	US15	SA

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1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1	Gasketing	303AS		PE
1	Rain Guard	346C		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE

Set: 3.0

Doors: 102, 102A, 131, 131A

Description: PR, Soundlock East/West

6	Hinge, Full Mortise, Hvy Wt	T4A3786xNRP 4-1/2" x 4-1/2"	US26D	MK
1	Mullion	L980	PC	SA
2	Rim Exit Device, Classroom	64 8813 ETB	US32D	SA
3	Core	As Required	US15	SA
1	Cylinder	980C1	US26D	SA
2	Surface Closer	351 CPS	EN	SA
2	Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
2	Astragal	303CPK		PE
1	Gasketing	S88BL		PE
1	Gasketing Mullion	5110BL 120"		PE

Set: 4.0

Doors: 137

Description: Storage

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom/Closet Lock	64 10XG04 LB	US26D	SA
1	Core	As Required	US15	SA
1	Wall Stop	403/441CU	US26D	RO
3	Silencer	608-RKW		RO

Set: 5.0

Doors: 136

Description: Mechanical 2

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom/Closet Lock	64 10XG04 LB	US26D	SA
1	Core	As Required	US15	SA
1	Conc Overhead Stop	6ADJ-x36	689	RF
3	Silencer	608-RKW		RO

Set: 6.0

Doors: 116, 135

Description: Secure Storage/Electrical

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom/Closet Lock	64 10XG04 LB	US26D	SA
1	Core	As Required	US15	SA
1	Surface Closer	351 O/P9	EN	SA
1	Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1	Wall Stop	403/441CU	US26D	RO
3	Silencer	608-RKW		RO

DOOR HARDWARE

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Set: 7.0

Doors: 134

Description: Mechanical

3 Hinge, Full Mortise	TA2714xNRP 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	64 10XG04 LB	US26D	SA
1 Core	As Required	US15	SA
1 Surface Closer	351 CPS	EN	SA
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
3 Silencer	608-RKW		RO

Set: 8.0

Doors: 105, 128

Description: Judges Quarters

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	64 10XG04 LB	US26D	SA
1 Core	As Required	US15	SA
1 Conc Overhead Stop	6ADJ-x36	689	RF
1 Surface Closer	281 O	EN	SA
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Gasketing	S88BL		PE

Set: 9.0

Doors: 104A, 129A

Description: Court Reporter/Baliff

3 Hinge, Full Mortise	TA2714xNRP 4-1/2" x 4-1/2"	US26D	MK
1 Entry/Office Lock	64 10XG05 LB	US26D	SA
1 Core	As Required	US15	SA
1 Conc Overhead Stop	6ADJ-x36	689	RF
3 Silencer	608-RKW		RO

Set: 10.0

Doors: 104, 114, 115, 121, 123, 129

Description: Conference/Jury/Office

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Entry/Office Lock	64 10XG05 LB	US26D	SA
1 Core	As Required	US15	SA
1 Surface Closer	351 O/P9	EN	SA
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Wall Stop	403/441CU	US26D	RO
1 Gasketing	S88BL		PE

Set: 11.0

Doors: 133, 133A

Description: Meeting Room

3 Hinge, Full Mortise	TA2714xNRP 4-1/2" x 4-1/2"	US26D	MK
1 Entry/Office Lock	64 10XG05 LB	US26D	SA
1 Core	As Required	US15	SA
1 Surface Closer	351 CPS	EN	SA

1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Gasketing	S88BL		PE

Set: 12.0

Doors: 103A, 105A, 128A, 130A

Description: Judges Quarters/Jury Seating

3 Hinge, Full Mortise	TA2714xNRP 4-1/2" x 4-1/2"	US26D	MK
1 Classroom Lock	64 10XG37 LB	US26D	SA
1 Core	As Required	US15	SA
1 Surface Closer	351 O/P9	EN	SA
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Wall Stop	403/441CU	US26D	RO
3 Silencer	608-RKW		RO

Set: 13.0 (NOT USED)

Doors: 103B, 130B

Description: Jury Seating

-

2 Hinge, Full Mortise	TA2714xNRP 4 1/2" x 4 1/2"	US26D	MK
1 Classroom Lock	64 10XG37 LB	US26D	SA
1 Core	As Required	US15	SA
1 Surface Closer	351 CPS	EN	SA
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
3 Silencer	608-RKW		RO

Set: 14.0

Doors: 107, 122, 126

Description: Private Bathroom

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Privacy Lock	10XU65 LB	US26D	SA
1 Surface Closer	351 O/P9	EN	SA
1 Mop Plate	K1050 4" x 1" LDW CSK BEV	US32D	RO
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Wall Stop	403/441CU	US26D	RO
1 Gasketing	S88BL		PE

Set: 15.0

Doors: 112, 113

Description: Men/Womens Bathroom

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Push Plate	70C-RKW	US26D	RO
1 Pull	RM301	US32D	RO
1 Surface Closer	351 O/P9	EN	SA
1 Mop Plate	K1050 4" x 1" LDW CSK BEV	US32D	RO
1 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
1 Wall Stop	403/441CU	US26D	RO
1 Gasketing	S88BL		PE

Set: 16.0

Doors: 109A, 124

Description: Overhead Vestibule Door

DOOR HARDWARE

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1 All Hardware By Others OT

Set: 17.0

Doors: 103, 106, 108, 109, 125, 127, 130

Description: Detention Doors

1 All Hardware By Detention Door Supplier OT

Notes: All Hardware complete by detention door supplier

Set: 18.0

Doors: 100

Description: Existing, Ext, PR, Entrance

8 Hinge, Full Mortise, Hvy Wt	T4A3386xNRP 4-1/2" x 4-1/2"	US32D	MK
1 Mullion	HC980	PC	SA
1 Rim Exit Device, Storeroom	HC 16 64 8804 ETB	US32D	SA
1 Rim Exit Device, Dummy	HC 16 8810 ETB	US32D	SA
4 Core	As Required	US15	SA
1 Cylinder	980C1	US26D	SA
2 Surface Closer	351 CPS	EN	SA
2 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
2 Astragal	303CPK		PE
1 Gasketing	303AS		PE
1 Rain Guard	346C		PE
1 Gasketing Mullion	5110BL 120"		PE
2 Sweep	315CN		PE
1 Threshold	2005AV		PE

Set: 19.0

Doors: 120A

Description: Existing, PR, Rear Entrance Vestibule

6 Hinge, Full Mortise, Hvy Wt	T4A3786xNRP 4-1/2" x 4-1/2"	US26D	MK
1 Mullion	L980	PC	SA
2 Rim Exit Device, Passage	8815 ETB	US32D	SA
1 Core	As Required	US15	SA
1 Cylinder	980C1	US26D	SA
2 Surface Closer	351 CPS	EN	SA
2 Kick Plate	K1050 10" x 2" LDW CSK BEV	US32D	RO
2 Astragal	303CPK		PE
1 Gasketing Mullion	5110BL 120"		PE
2 Silencer	608-RKW		RO

END OF SECTION 087100