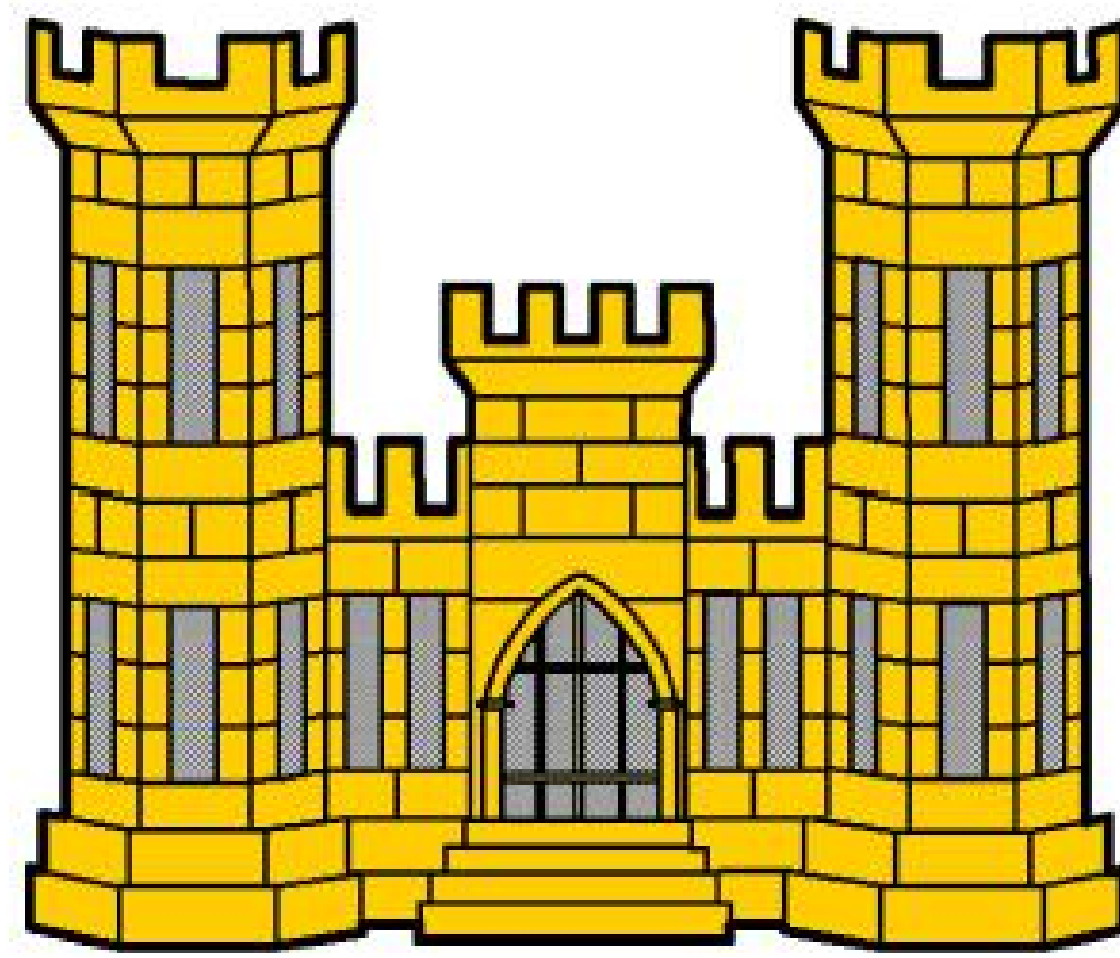


PROPOSED RENOVATIONS/ ALTERATIONS FOR:

STATE OF NEW JERSEY DEPARTMENT OF MILITARY & VETERAN AFFAIRS CAPE MAY NATIONAL GUARD ARMORY 600 GARDEN STATE PARKWAY, CAPE MAY COURTHOUSE, NJ PROJECT NO.: CM 002

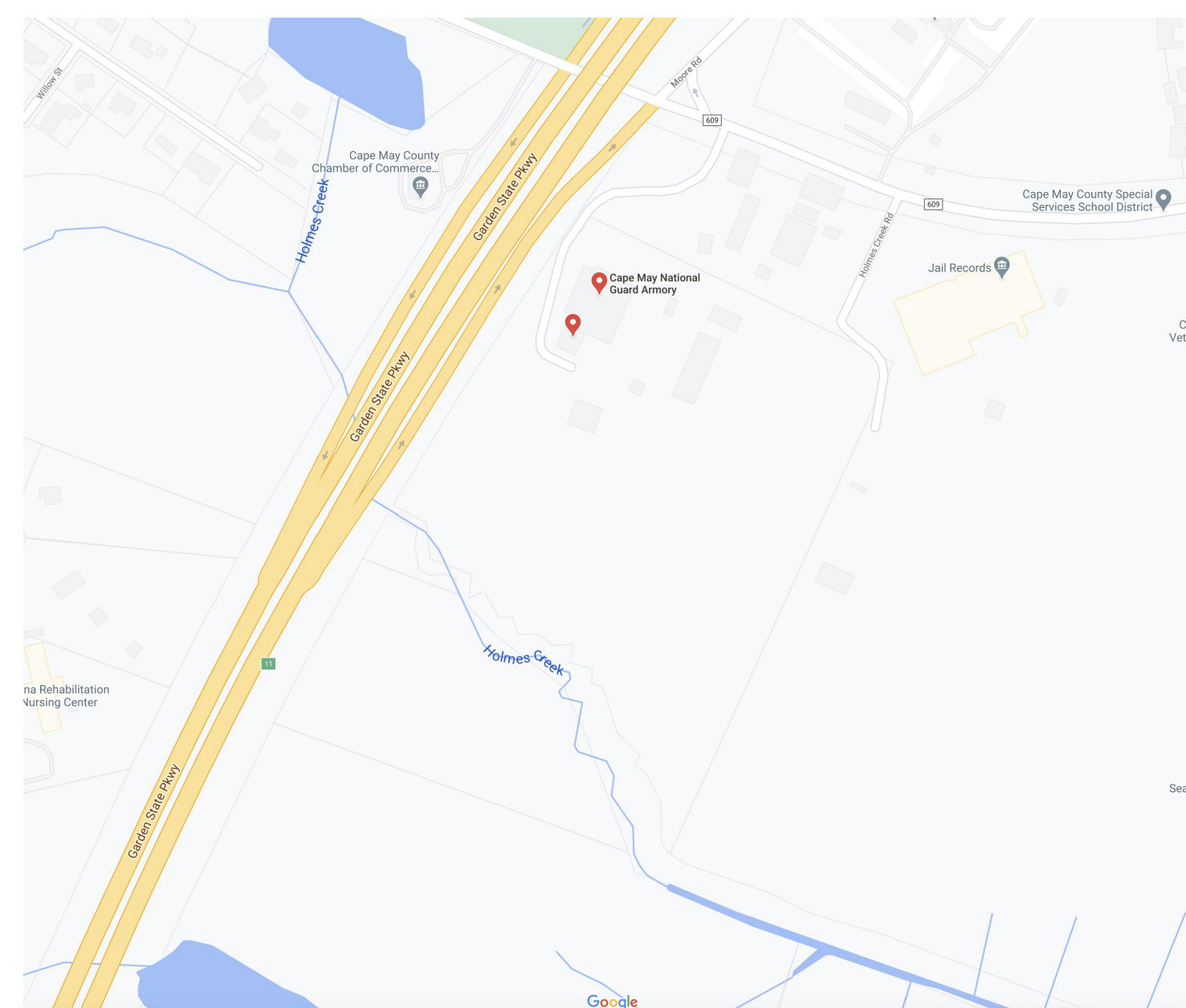
**BID ISSUE
AUGUST 25, 2022**

LISA J. HOU, D.O.
BRIGADIER GENERAL
NJARNG
THE ADJUTANT GENERAL



STATE OF NEW JERSEY
DEPARTMENT OF MILITARY AND VETERAN AFFAIRS
MARK RAMOS, PROJECT MANAGER
101 EGGERT CROSSING ROAD
LAWRENCEVILLE, NJ 08648

LOCATION MAP



AERIAL MAP



BUILDING DATA:

OWNER/ AUTHORIZED AGENT:	STATE OF NEW JERSEY
ADDRESS:	DEPARTMENT OF MILITARY & VETERAN AFFAIRS 101 EGGERT CROSSING ROAD LAWRENCEVILLE, NJ 08625-0340
PHONE NUMBER:	(609) 530-6939
OWNED BY:	<input type="checkbox"/> CITY/COUNTY <input checked="" type="checkbox"/> STATE <input type="checkbox"/> PRIVATE
CODE JURISDICTION:	CITY: CAPE MAY COURT HOUSE COUNTY: CAPE MAY
PROJECT NUMBER:	CM 005
PROJECT NAME:	LATRINE & SHOWER ROOM EXPANSION & UPGRADES
PROJECT ADDRESS:	600 GARDEN STATE PARKWAY CAPE MAY COURT HOUSE, NJ 08210

BUILDING CODE SUMMARY:

SCOPE TYPE:	<input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> RENOVATION (EXIST. BLDG.)
	<input type="checkbox"/> ALTERATION <input type="checkbox"/> RECONSTRUCTION
	<input type="checkbox"/> UPLIFT <input type="checkbox"/> AS-BUILT

CONSTRUCTION TYPE:	<input type="checkbox"/> IA <input type="checkbox"/> IIA <input type="checkbox"/> IIIA <input type="checkbox"/> IB <input type="checkbox"/> IIB <input checked="" type="checkbox"/> IIIB
	<input type="checkbox"/> IV <input type="checkbox"/> VA <input type="checkbox"/> VB

BUILDING HEIGHT:	EXISTING
NUMBER OF STORIES:	1
VOLUME:	EXISTING

BUILDING AREAS:	
FLOOR 1- FIRST FLOOR	19,160 SF

PRIMARY OCCUPANCY:	
<input checked="" type="checkbox"/> ASSEMBLY (A)	
<input checked="" type="checkbox"/> BUSINESS (B)	
<input type="checkbox"/> EDUCATIONAL (E)	
<input type="checkbox"/> FACTORY & INDUSTRIAL (F)	
<input type="checkbox"/> HIGH HAZARD (H)	
<input type="checkbox"/> INSTITUTIONAL (I)	
<input type="checkbox"/> MERCANTILE (M)	
<input type="checkbox"/> PARKING GARAGE <input type="checkbox"/> OPEN <input type="checkbox"/> ENCLOSED <input type="checkbox"/> REPAIR	
<input type="checkbox"/> RESIDENTIAL (R)	
<input checked="" type="checkbox"/> STORAGE (S)	
<input type="checkbox"/> UTILITY (U)	

APPLICABLE BUILDING CODES:

NJ INTERNATIONAL BUILDING CODE (2018)	ASCE 7-16
NJ UNIFORM CONSTRUCTION CODE (NJAC 5:23)	ACI 318-14
NATIONAL STANDARD PLUMBING CODE (2018)	ACI 301-10 (** per AISC360-16)
NATIONAL ELECTRIC CODE (2017)	AISC 360-16**
INTERNATIONAL MECHANICAL CODE (2018)	AISC Steel Construction Manual 14th Edition (per AISC360-16)
INTERNATIONAL FUEL GAS CODE (2018)	
ANSI A117.1-2009	AWS D1.1-2015 (per AISC360-16) & AWS D1.4-2011

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A-200	INTERIOR BUILDING ELEVATIONS
A-500	SCHEDULES
A-501	SCHEDULES
A-502	SCHEDULES
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A-800	INTERIOR DETAILS
A-801	INTERIOR DETAILS
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M-300	MECHANICAL PLANS/ DETAILS
P-100	GENERAL NOTES/ SYMBOLS/ ABBREVIATIONS/SCHEDULES
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P-600	PLUMBING DIAGRAMS
E-100	GENERAL NOTES/ SYMBOLS/ ABBREVIATIONS
E-200	LIGHTING PLAN & SCHEDULES & DIAGRAMS
E-201	POWER PLAN
E-300	SCHEDULES & DIAGRAMS
FP-100	FIRE PROTECTION NOTES/ SYMBOLS/ ABBREVIATIONS
FP-101	FIRE PROTECTION PLAN

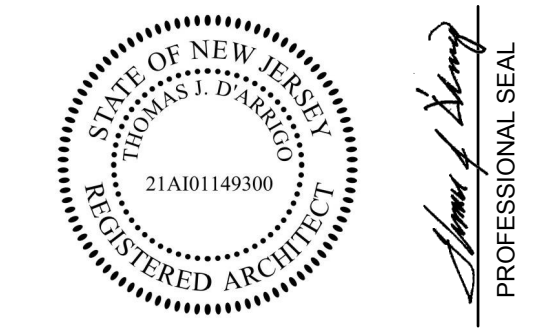
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EXPANSION & REHABILITATION:
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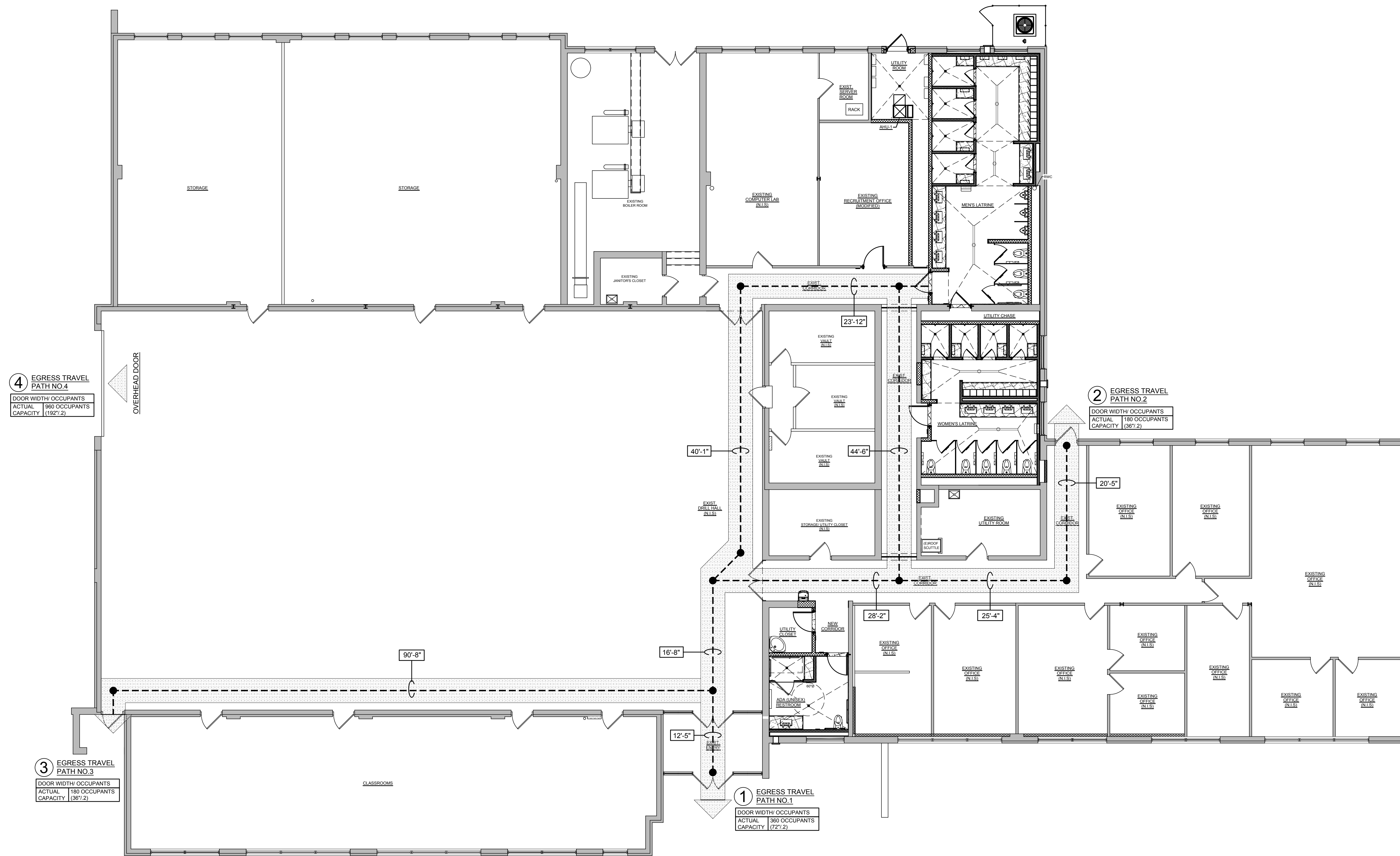
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C-100



1 LIFE SAFETY FLOOR PLAN
LS-100 SCALE: 1/8" = 1'-0"

CAPEMAY ARMORY

POPULATION: 130	
MALE	100
FEMALE	30

BUILDING USE	SQUARE FOOTAGE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD	SUB-TOTAL
FUNCTION OF SPACE				
ASSEMBLY: STANDING	6,041	5 (NET)	1,208	1,208
ASSEMBLY: CONCENTRATED	1,585	15 (NET)	106	1,314
BUSINESS	5,805	100 (GROSS)	58	1,372
LOCKER ROOMS	1,941	50 (GROSS)	37	
ACCESSORY STORAGE/ MECH ROOMS	3,780	300 (GROSS)	13	

DETERMINATION OF MIXED USE OCCUPANCY WAS ADVISED BY N J DCA IN OUR PRELIMINARY CORRESPONDENCE

ASSEMBLY USE	M/F RATIO PERCENTAGE	TOTAL OCCUPANT LOAD / CODE	OCCUPANT LOAD / NJ IBC	OCCUPANT LOAD / N.G.	REQUIRED WATER CLOSETS (ASSEMBLY)					REQUIRED LAVS (ASSEMBLY)								
					1 TO 50	51 TO 100	101 TO 200	201 TO 300	EA ADD'L 300 OVER 300	REQUIRED WC NJ IBC	REQUIRED WC NG POPULATION	1 TO 50	51 TO 100	101 TO 200	201 TO 300	EA ADD'L 300 OVER 300	REQUIRED LAV NJ IBC	REQUIRED LAV NG POPULATION
MALE	80%		1,051	100	1	1	1	1	1	6	2	1	0	1	0	1	4	1
FEMALE	20%	1,314	263	30	1	1	2	1	1	5	1	1	1	1	1	1	4	1

THE DETERMINATION OF 80:20 RATIO BETWEEN MALE AND FEMALE POPULATIONS HAS BEEN INTERPOLATED FROM THE AVERAGE AVAILABLE OCCUPANCIES PROVIDED BY THE SITE ARMORERS
* APPLICABLE PLUMBING CODE IS THE 2009 EDITION OF THE NATIONAL STANDARD PLUMBING CODE AS ADOPTED BY THE NJ IBC 2015

BUSINESS USE	M/F RATIO PERCENTAGE	TOTAL OCCUPANT LOAD / CODE	OCCUPANT LOAD / NJ IBC	OCCUPANT LOAD / N.G.	REQUIRED WATER CLOSETS (BUSINESS)					REQUIRED LAVS (BUSINESS)							
					1 TO 15	16 TO 40	41 TO 75	EA ADD'L 60 OVER 75	REQUIRED WC NJ IBC	REQUIRED WC NG POPULATION	1 TO 15	16 TO 40	41 TO 75	EA ADD'L 60 OVER 75	REQUIRED LAV NJ IBC	REQUIRED LAV NG POPULATION	
MALE	80%		46	100	1	1	1	1	3	3	1	0	1	1	1	2	3
FEMALE	20%	58	12	30	1	1	2	1	1	2	1	1	1	2	1	2	2

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NATIONAL GUARD PAMPHLET 415-12 (NG 415-12) LAV/ WC							
GENDER	# OF USERS	SF/ USER	SUB-TOTAL	ADD	BASIC SF ALLOWANCE	TOTAL SF	ADDITIONAL NEEDED
MALES	100	10	1,000	+	250	1,250	342.20
FEMALES	30	10	300	+	250	550	310.50

2 LIFE SAFETY FLOOR PLAN
LS-100 SCALE: 1/8" = 1'-0"

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HATCH PATTERNS

- HATCH: MAIN ACCESSIBLE CIRCULATION AREAS BORDERING DINING AREAS - MUST REMAIN A MINIMUM OF 44" CLR WIDTH
- HATCH: NEW WALL
- HATCH: EXISTING WALL

GENERAL NOTES:

- REFER MEP PLANS FOR LOCATIONS OF FIRE ALARM SPEAKERS/ STROBE LOCATION AND MANUAL PULL STATION BOXES.
- EXIT LIGHTS ARE SHOWN FOR REFERENCE ONLY: REFER TO MEP PLANS FOR DETAILED LOCATIONS.
- 250' MAX. TRAVEL DISTANCE NOT EXCEEDED.
- MINIMUM WIDTH OF EXIT ACCESS AISLES IS 44" CLEAR.
- ALL APPROVED PLANS MUST BE AVAILABLE AT THE CONSTRUCTION SITE FOR INSPECTION/PROCESS.
- ALL EXITS ARE TO BE PROVIDED WITH EMERGENCY LIGHTING, REFER MEP PLANS FOR DETAILS.
- FOR TOILET ACCESSIBILITY PLANS, REFER TO PLUMBING PLANS





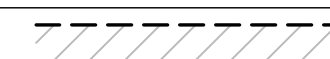
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LIFE SAFETY PLAN

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LS-100

HATCH KEY

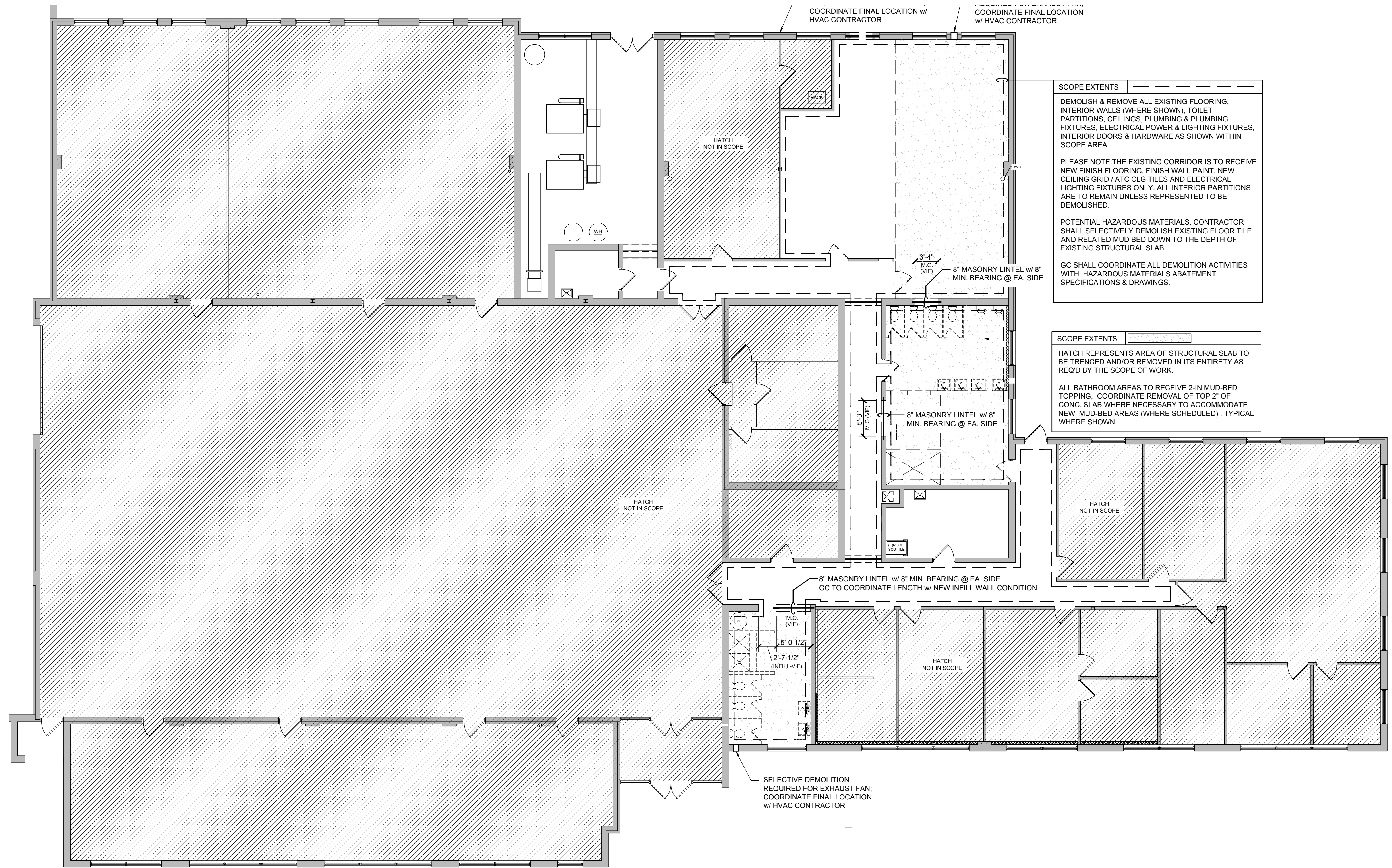
-  EXISTING WALLS TO REMAIN
-  EXISTING WALLS TO BE DEMOLISHED
-  NEW TEMPORARY WALLS

GENERAL NOTES:

- A. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL WASTE REMOVAL & CONTAINERS (DUMPSTERS) THROUGHOUT THE CONSTRUCTION PERIOD. ASSIGNED DEMOLITION OF SUB-TRADE WORK DOES NOT REMOVE FINAL RESPONSIBILITY FROM THE G.C.
- B. ALL MATERIALS SHOWN/ SCHEDULED FOR DEMOLITION SHALL BE REMOVED & DISPOSED OF IN A LEGAL MANNER BY THE G.C.
- C. THE GENERAL CONTRACTOR IS RESPONSIBLE TO PLACE TEMPORARY BARRICADES AND/OR PARTITIONS WHERE DESIGNATED ON PLAN OR AS REQUIRED TO COMPLETE SCOPE OF WORK.
- D. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF A CLEAN WORK SITE THROUGHOUT THE CONSTRUCTION PERIOD. THE PERIMETER GROUNDS SHALL BE MAINTAINED FREE OF DEBRIS AND ATTRACTIVE NUISANCES THROUGHOUT CONSTRUCTION PHASE.
- E. THE PROJECT SITE SHALL BE IN COMPLIANCE WITH ALL CURRENT LOCAL LAWS IN ORDER TO PERMIT DEMOLITION IN ACCORDANCE WITH THIS PLAN.
- F. G.C. IS RESPONSIBLE FOR DESIGN & IMPLEMENTATION OF ALL TEMPORARY SHORING REQUIRED TO COMPLETE WORK AS INDICATED ON DOCUMENTS.
- G. DISRUPTED FIREPROOFING OF BUILDING STRUCTURAL MEMBERS AND/OR ANY DISRUPTED FIRE-STOPPING WITHIN DEMISING WALLS, FLOORS & CEILINGS SHALL BE SUPPLEMENTED AFTER DEMOLITION IN ACCORDANCE W/ ALL CURRENT APPLICABLE BUILDING CODES OR AS INDICATED ON PLANS.
- H. GENERAL CONTRACTOR TO REMOVE ALL WIRING & CABLING FROM DEMOLISHED PARTITIONS AND CEILING PLENUMS. CIRCUITS NO LONGER IN USE ARE TO BE REMOVED BACK TO THE CIRCUIT PANEL. DATA CABLE NO LONGER PART OF THE BUILDING SYSTEM IS TO BE REMOVED BACK TO DATA CLOSET. TELEPHONE CABLING NO LONGER ACTIVE TO BE REMOVED BACK TO THE PUNCH-DOWN BLOCKS.
- I. EXISTING FIRE DETECTION & SPRINKLERS TO REMAIN DURING DEMOLITION & CONSTRUCTION PHASES. SPRINKLER HEADS ARE TO BE ADJUSTED AS REQUIRED BY BUILDING FIRE CODE BASED ON THE NEW DESIGN.
- J. CONTRACTOR SHALL PAY FOR AN OBTAIN ANY & ALL NECESSARY BUILDING PERMITS
- K. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT & ASSESS THE EXISTING CONDITIONS. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION THROUGHOUT THE CONSTRUCTION PROCESS.
- L. ALL EXISTING WORK TO BE REMOVED SHALL BE IN ACCORDANCE WITH THE DOCUMENTS. THE CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DOCUMENTS & FIELD CONDITIONS. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CONCEALED OR HIDDEN CONDITIONS.
- M. ALL BUILDING SYSTEMS MUST BE PROPERLY TERMINATED, CAPPED OR REMOVED. ALL LIFE SAFETY SYSTEMS ARE TO REMAIN ACTIVE & THE SPACE IS TO BE LEFT IN SAFE CONDITIONS.
- N. ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS ARE TO BE PROTECTED.
- O. ALL DEMOLITION WORK ADJACENT TO REMAINING CONSTRUCTION MUST BE KEPT IN A WORKMAN-LIKE MANNER IN PREPARATION FOR NEW CONSTRUCTION WORK.
- P. ALL FLOOR COVERINGS WITHIN DESIGNATED SPACE ARE TO BE REMOVED DOWN TO EXISTING SLAB.
- Q. COORDINATE DEMOLITION ACTIVITIES WITH FACILITY MANAGER TO AVOID CONFLICT WITH OTHER ACTIVITIES AND OCCUPANTS.
- R. RESTORE ALL SURFACES THAT HAVE BEEN EFFECTED BY DEMOLITION ACTIVITY TO ITS ORIGINAL CONDITION, OR AS OTHERWISE NOTED ON PLAN
- S. DO NOT REMOVE OR MAKE ANY STRUCTURAL ALTERATIONS WITHOUT OBTAINING DIRECT APPROVAL FROM THE ARCHITECT.

DEMOLITION NOTES:

1. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
2. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE REQUIRED FOR COMPLETION OF WORK
3. REMOVAL OF EXISTING PLUMBING FIXTURES AND EQUIPMENT, ETC. WILL REQUIRE CAPPING AND SEALING EXISTING MAINS OR BRANCHES AS NECESSARY AND REQUIRED TO ALLOW THE REMAINING SYSTEMS TO FULLY OPERATE WITHOUT DEGRADATION. CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK, AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK. REFER TO GENERAL CONDITIONS AND DIVISION 1 SECTIONS IN THE SPECIFICATIONS.
4. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
5. COORDINATE WITH GENERAL CONTRACTOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALLS, ETC. AS REQUIRED FOR MECHANICAL DEMOLITION WORK.
6. EXISTING PIPING AND EQUIPMENT, ETC., NOT TO BE UTILIZED IN THE COMPLETED SCOPE SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED NEATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION. REFER TO DRAWINGS DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS
7. EXISTING PIPING, FIXTURES AND EQUIPMENT THAT ARE NOT TO BE REUSED SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE OWNER IF THEY WISH TO RETAIN OWNERSHIP OF SAME. IF NOT, EQUIPMENT SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AS SOON AS PRACTICAL AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS.
8. ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
9. WHERE EXISTING PIPING AND EQUIPMENT, ETC., THAT ARE TO BE UTILIZED IN THE COMPLETED PROGRAM CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE.
10. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
12. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE
13. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.



1 DEMOLITION FLOOR PLAN
D-100 SCALE: 1/8" = 1'-0"

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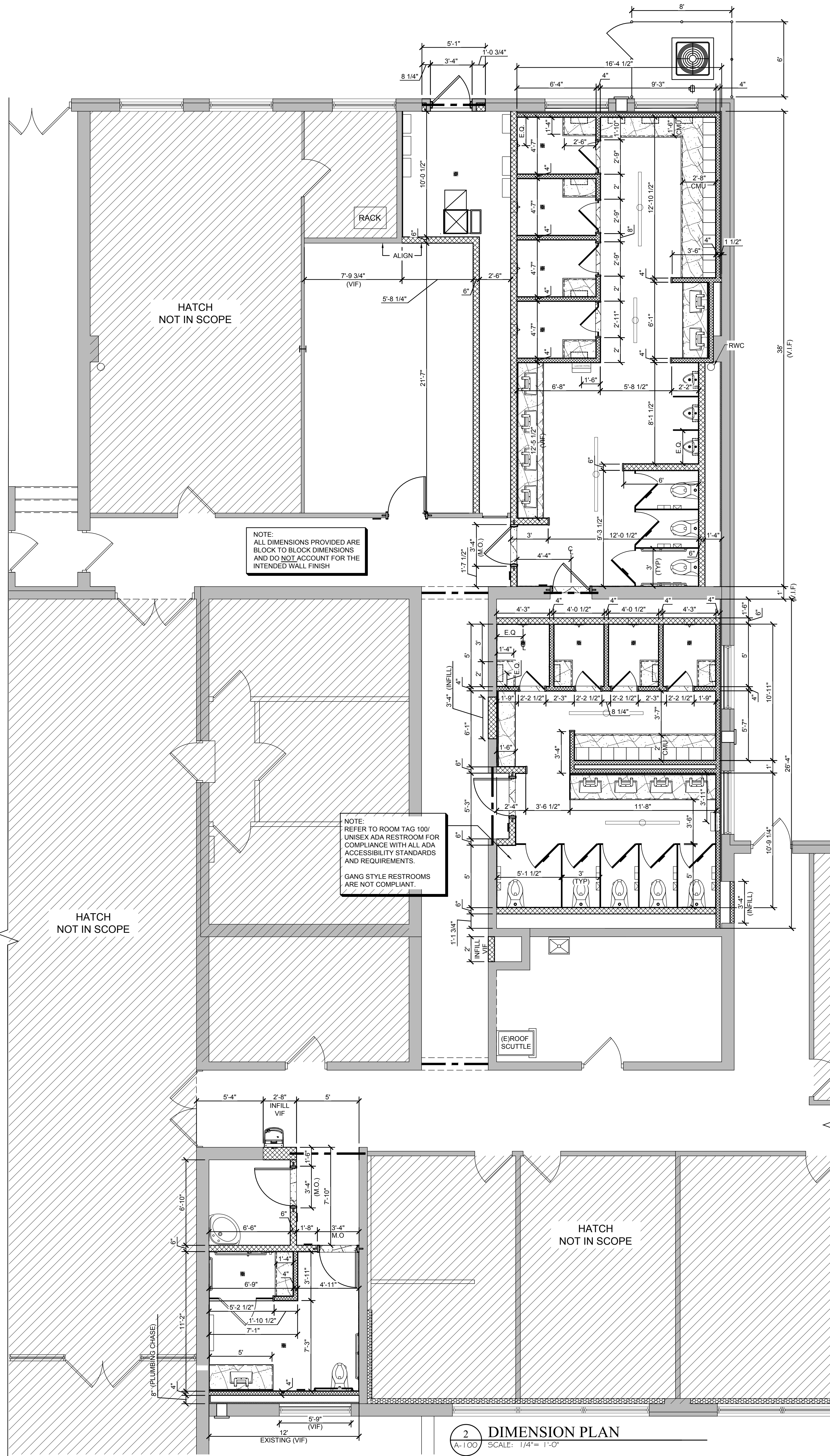


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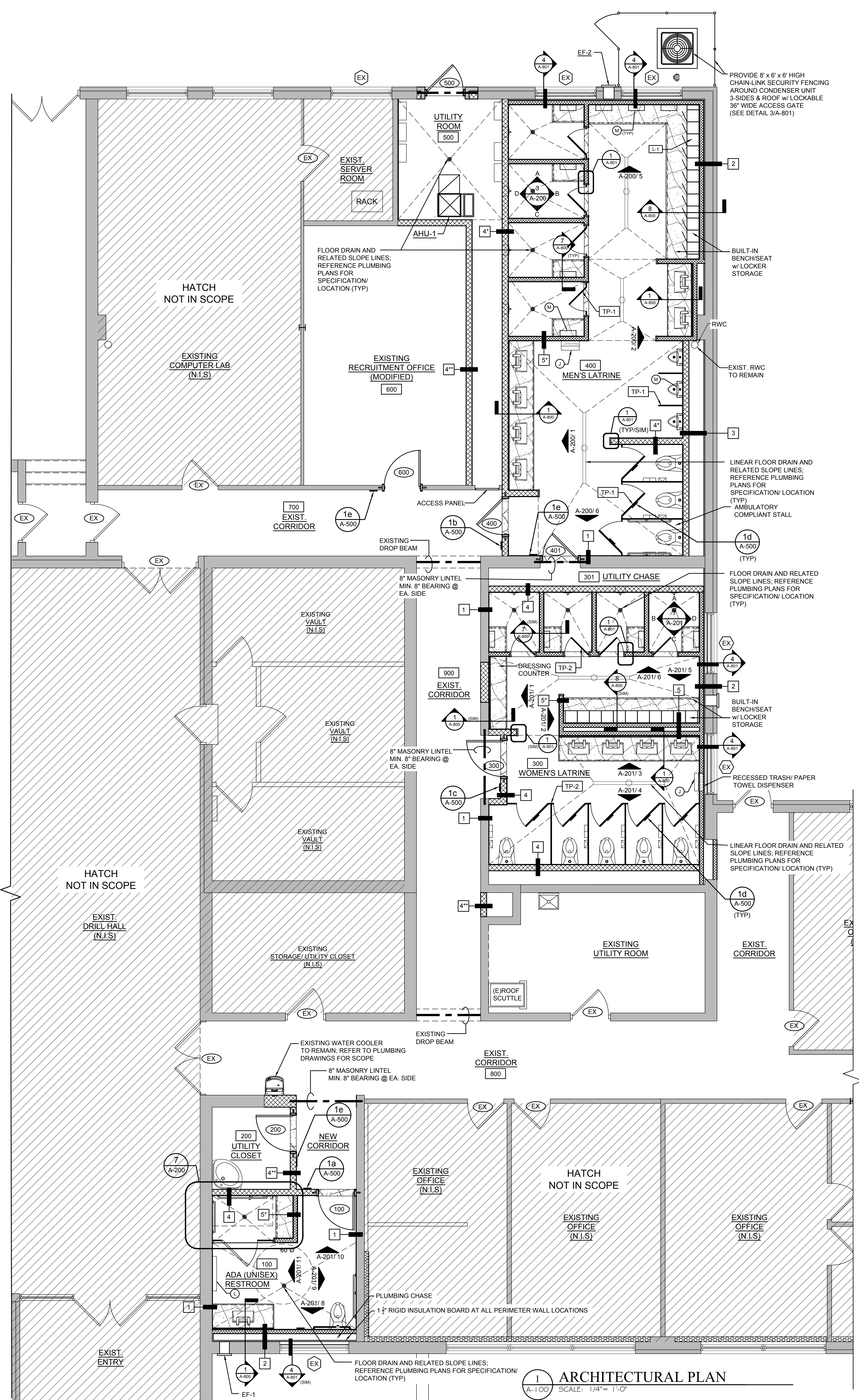
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D-100



2 DIMENSION PLAN
SCALE: 1/4" = 1'-0"

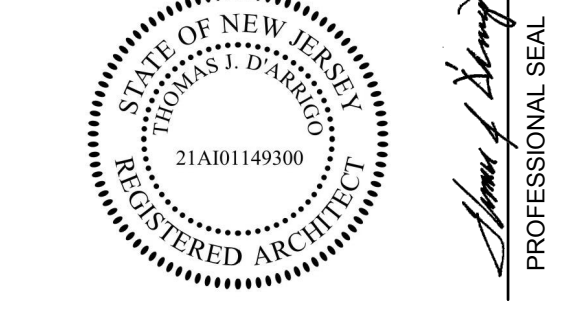


1 ARCHITECTURAL PLAN
SCALE: 1/4" = 1'-0"

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A-100

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DO NOT SCALE DRAWING. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

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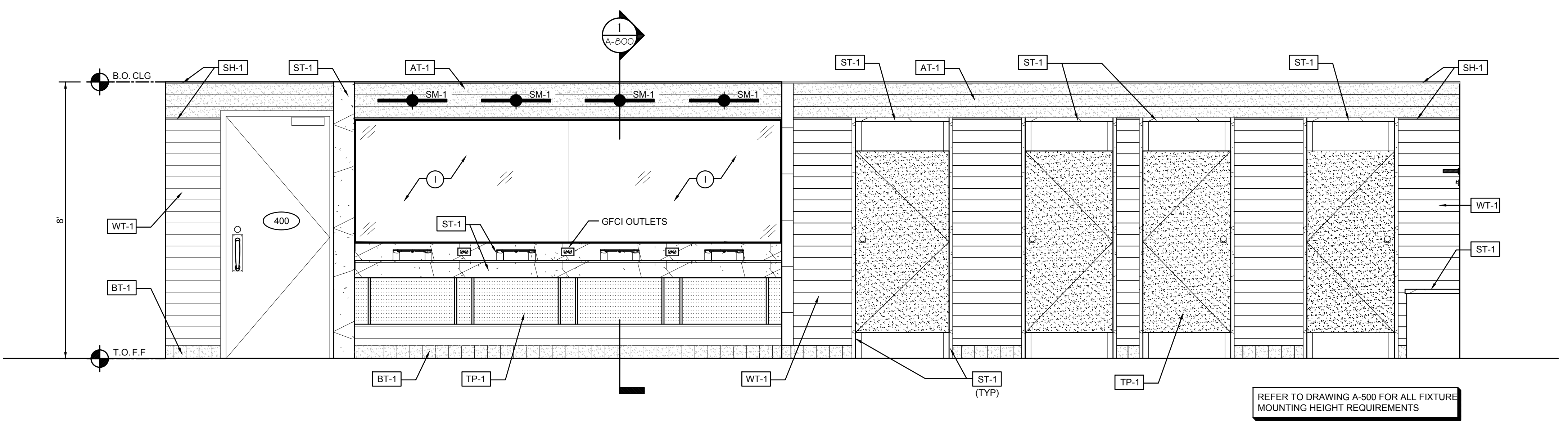
REVISIONS:

ISSUE	DATE	DESCRIPTION
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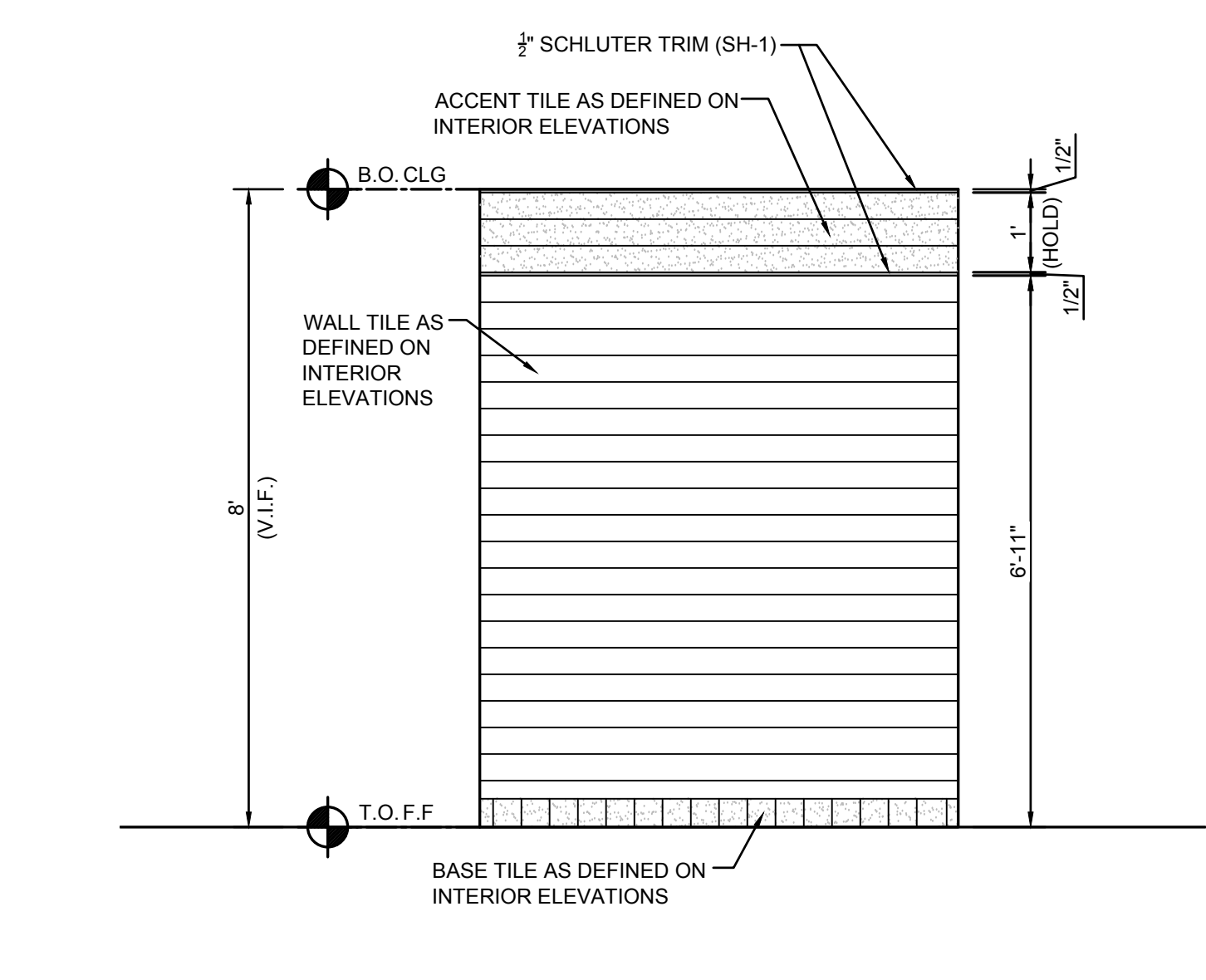
DRAWING TITLE:
 INTERIOR BUILDING ELEVATIONS

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

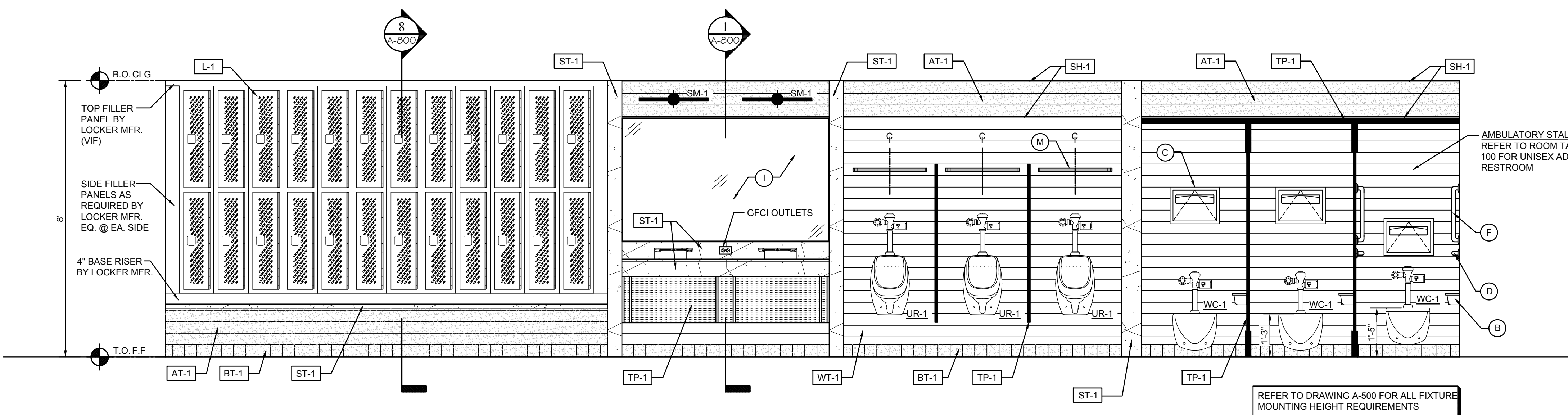
A-200



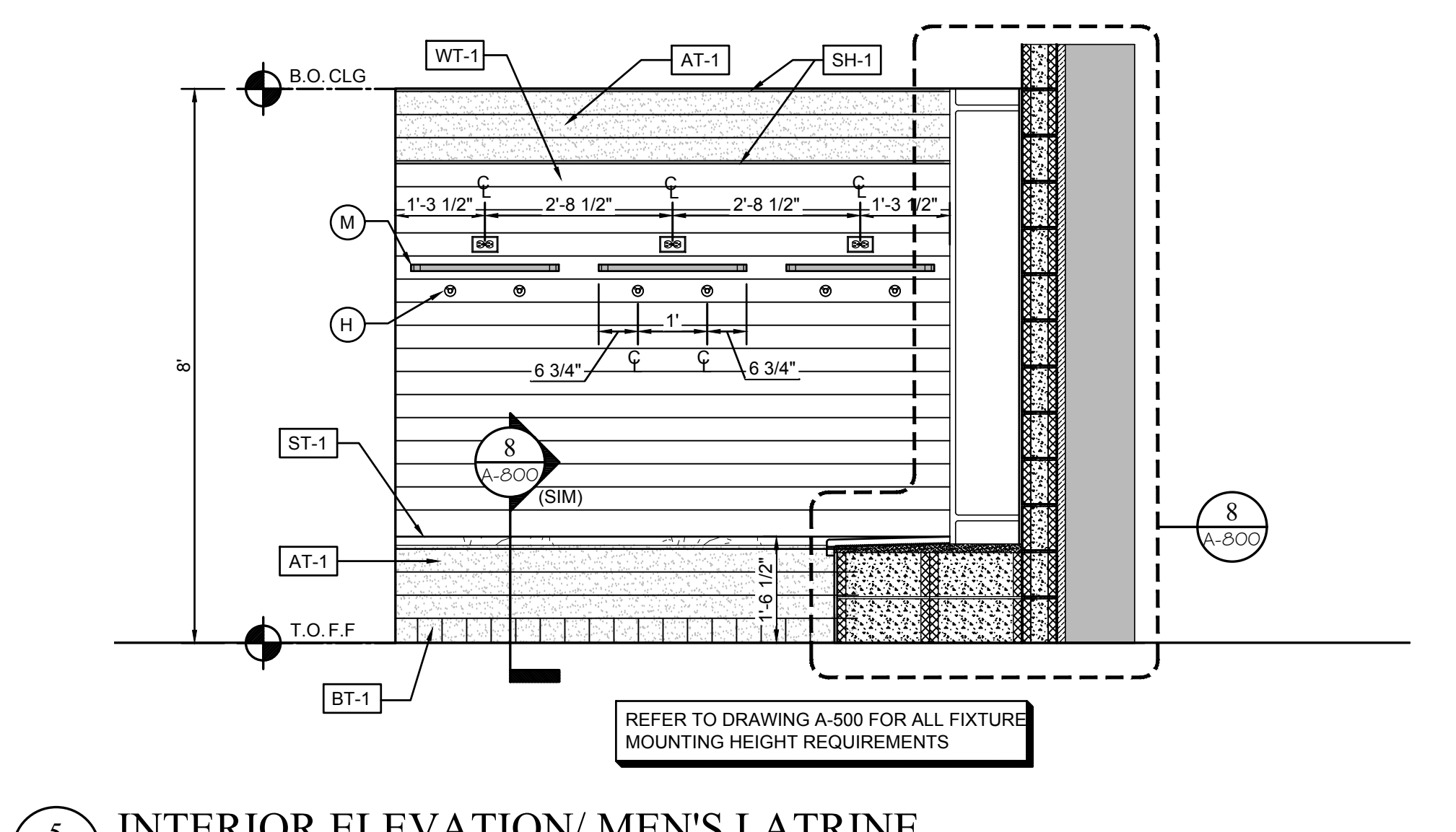
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 A-200 SCALE: 1/2" = 1'-0"



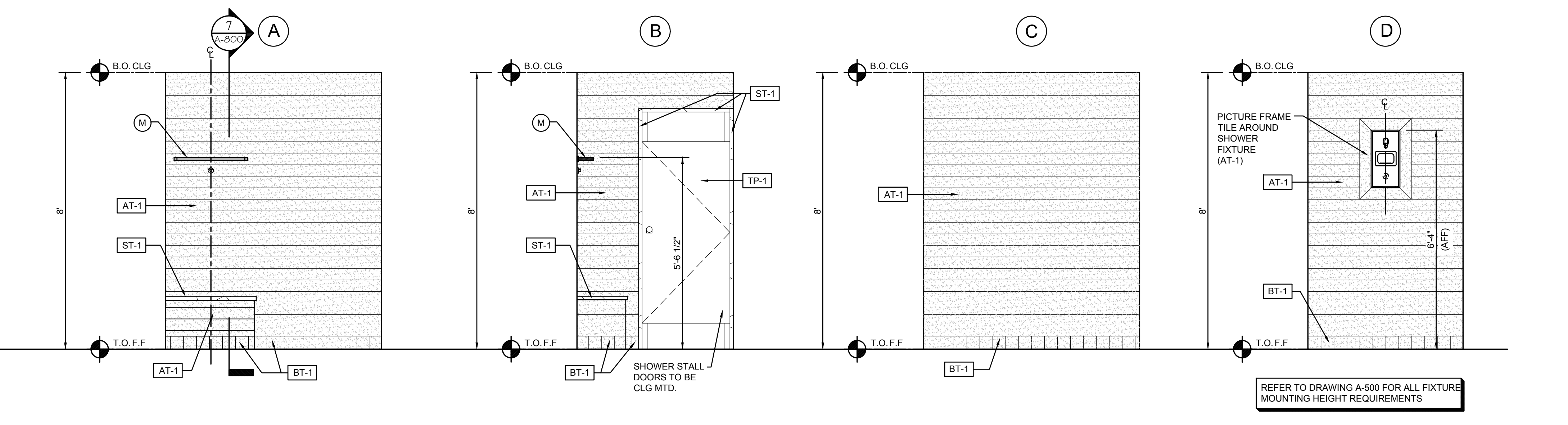
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 A-200 SCALE: 1/2" = 1'-0"



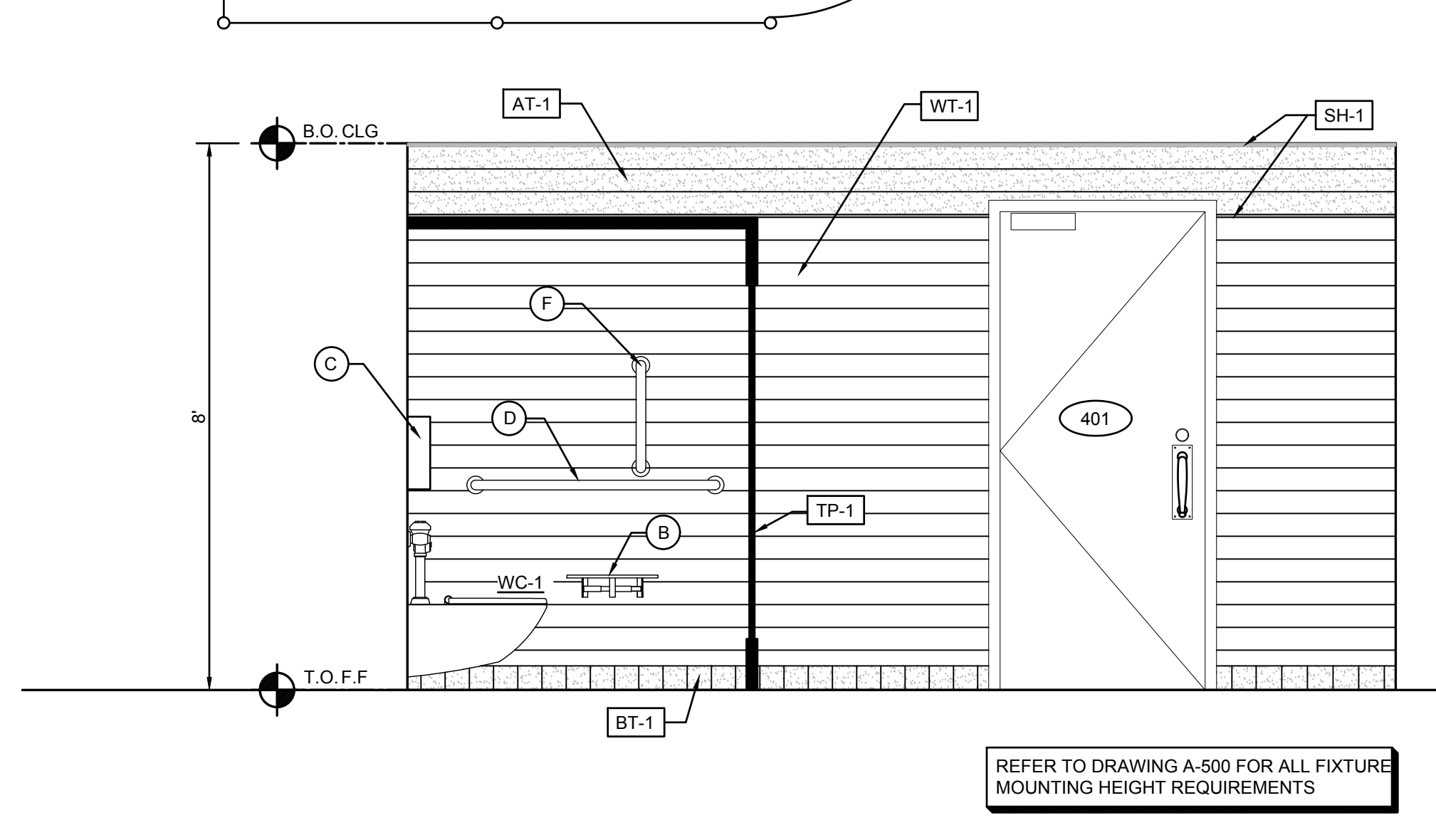
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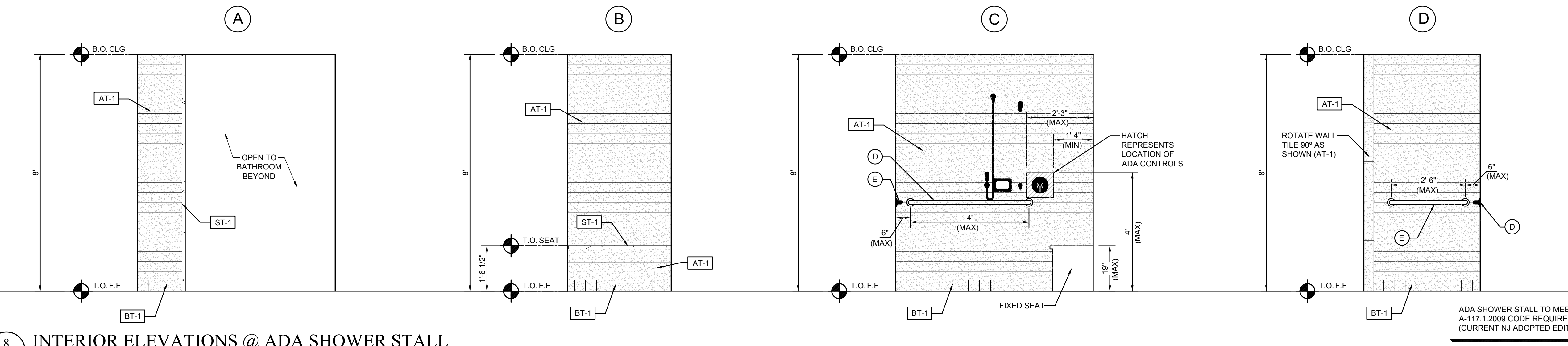
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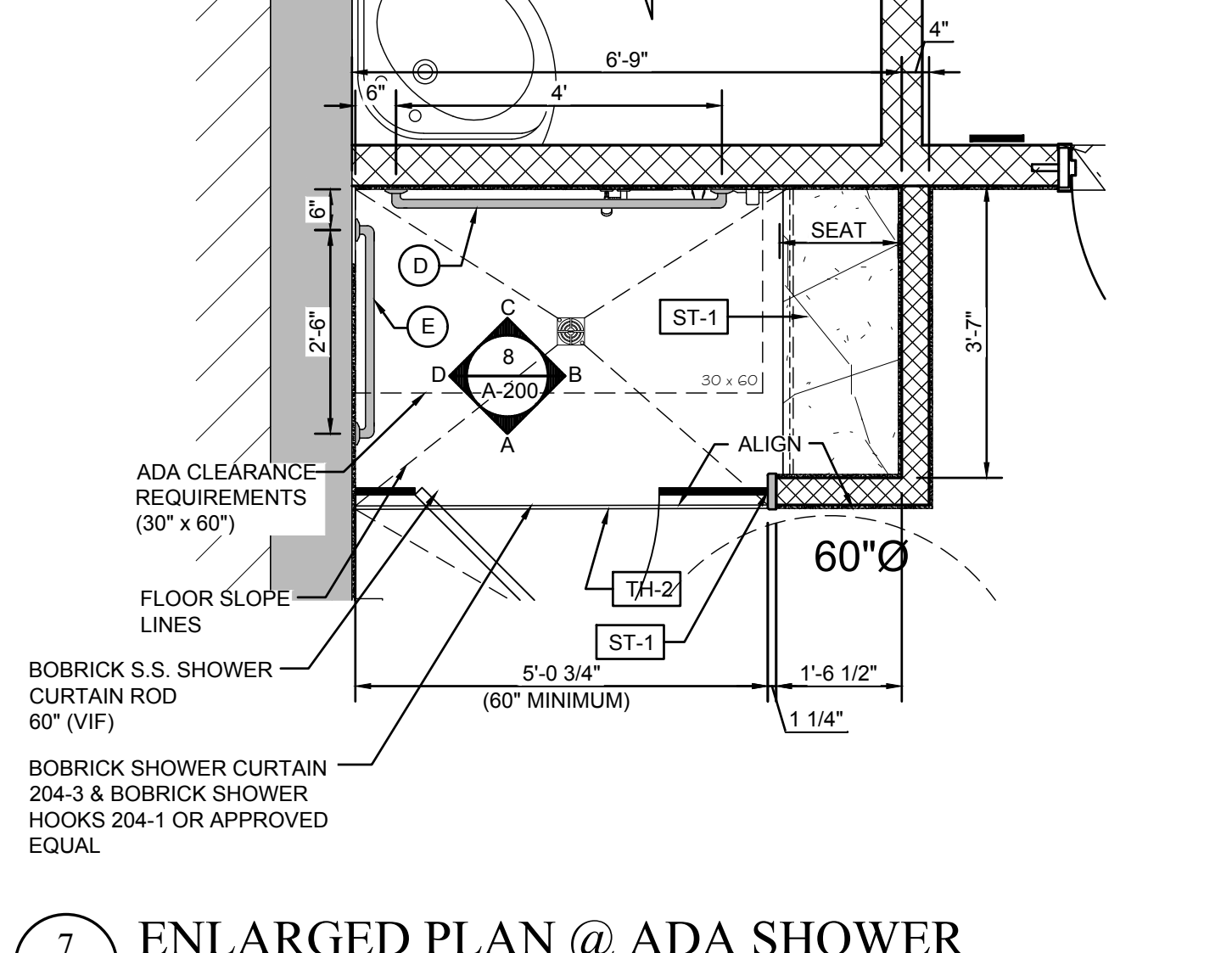
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 A-200 SCALE: 1/2" = 1'-0"



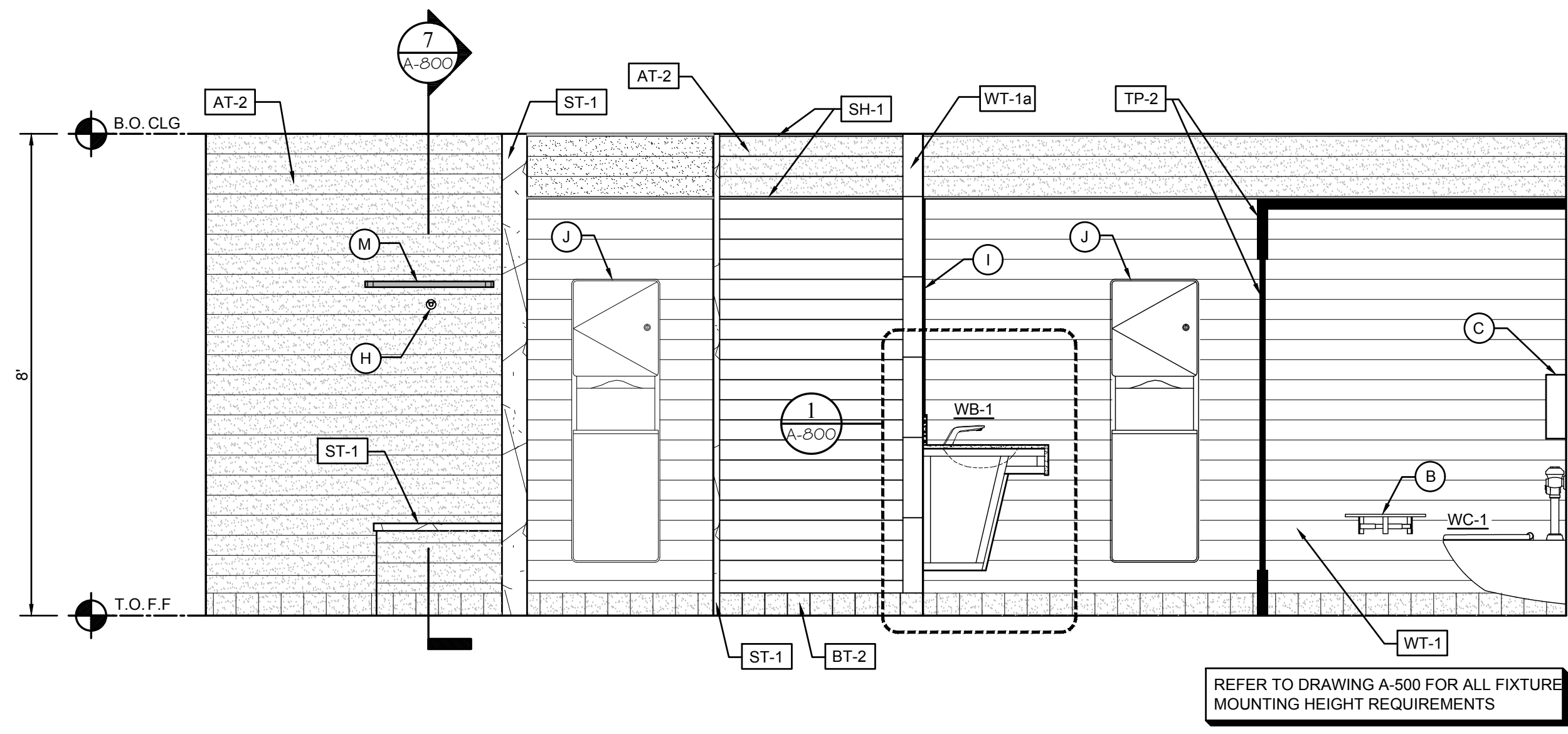
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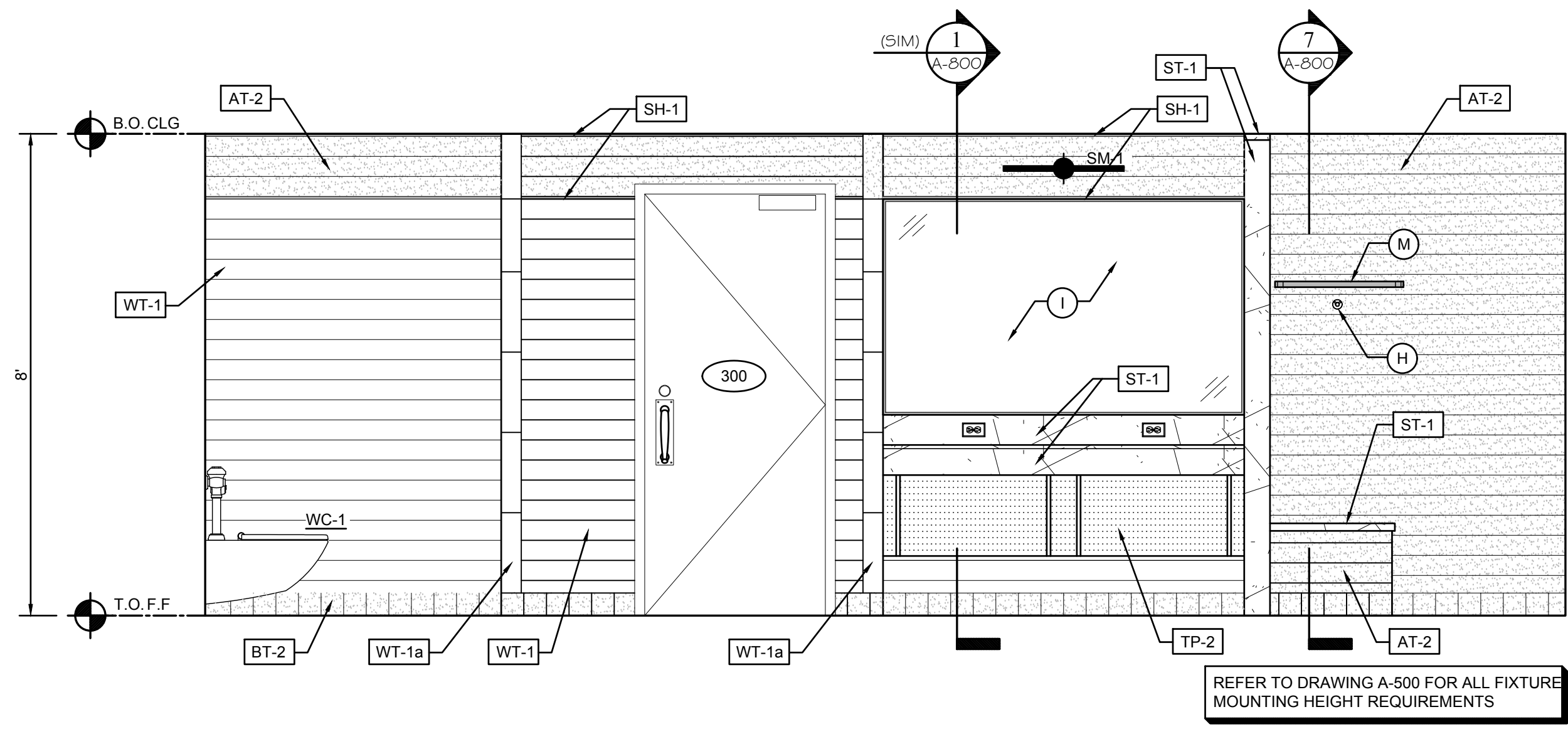
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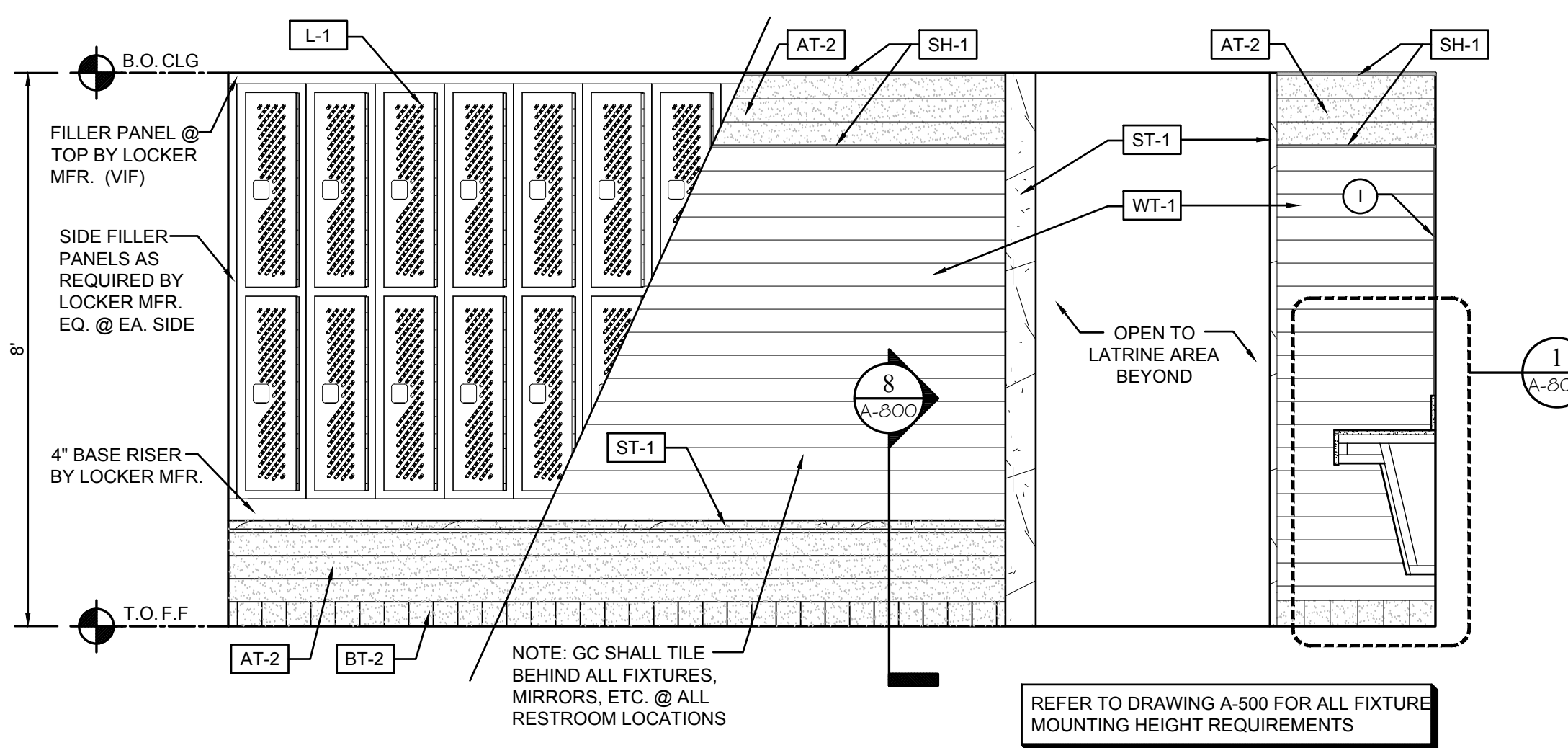
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 A-200 SCALE: 1/2" = 1'-0"



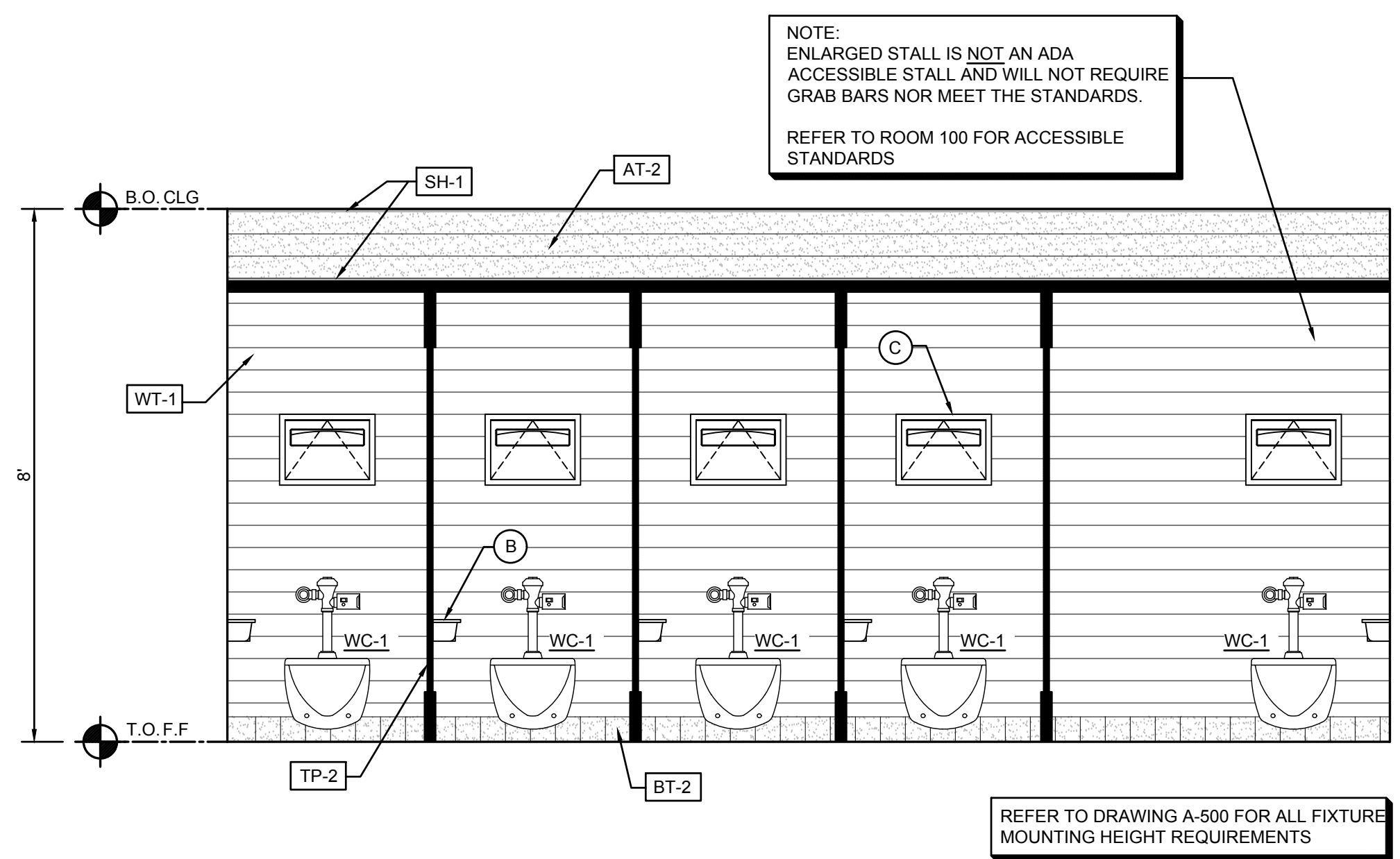
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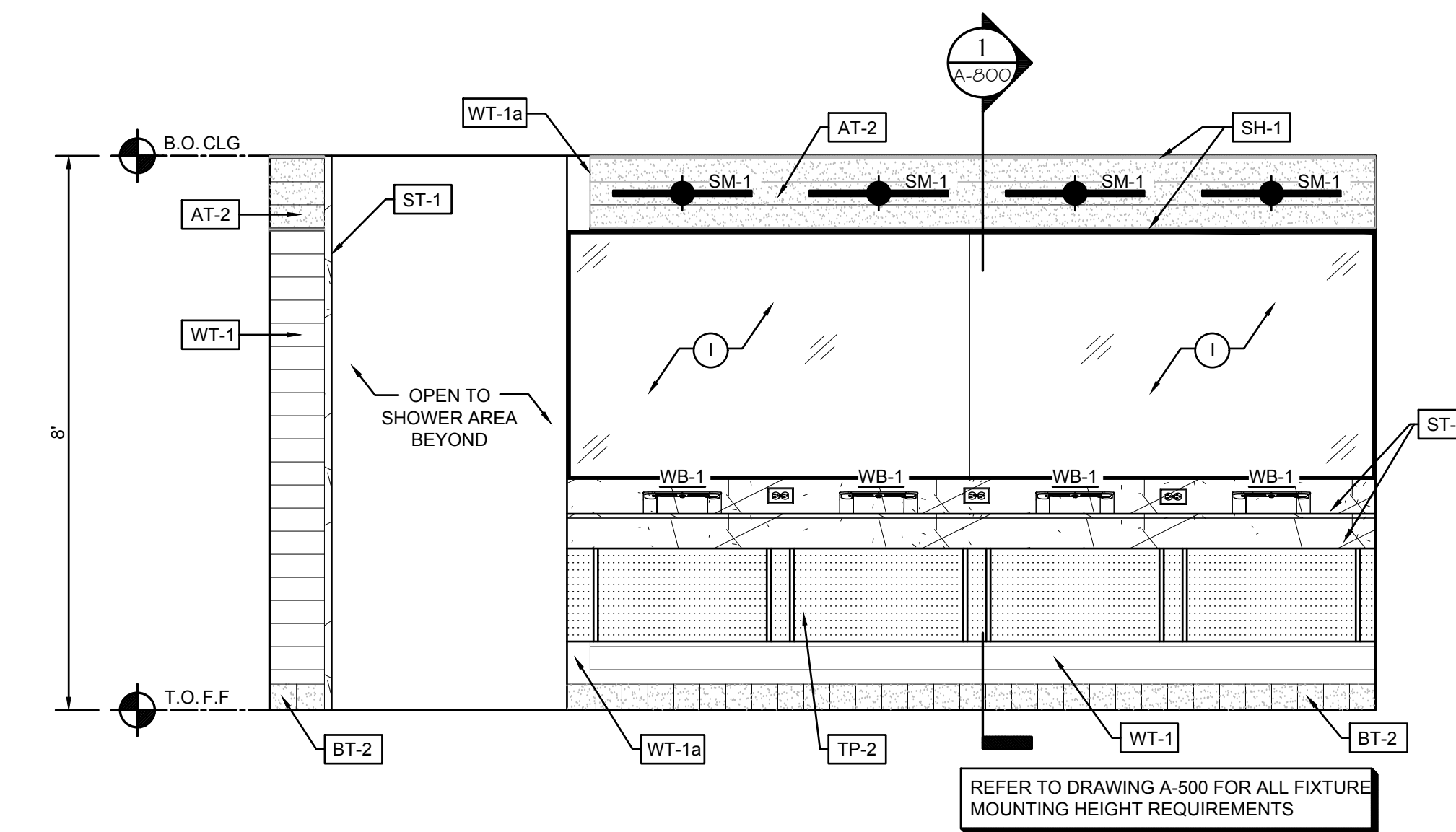
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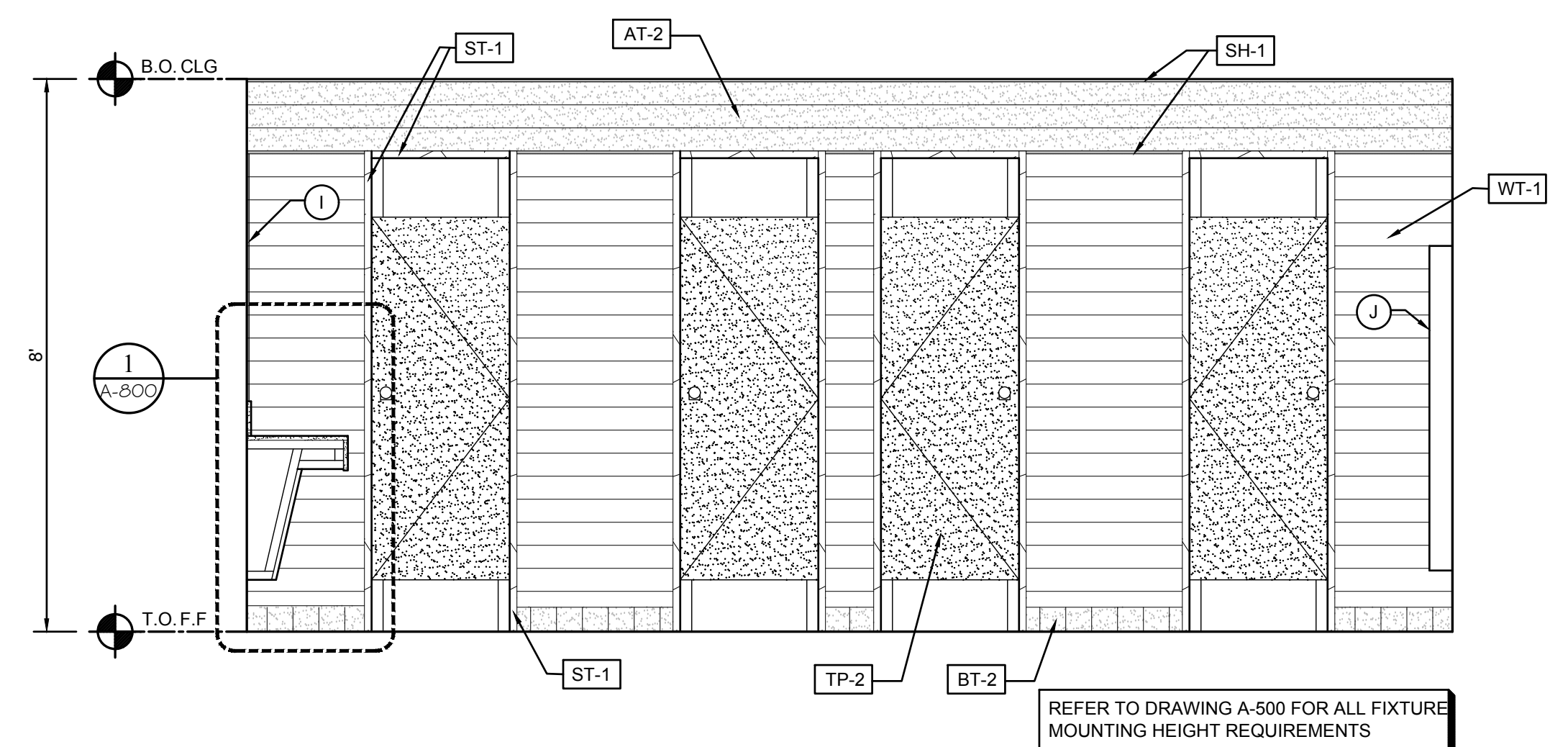
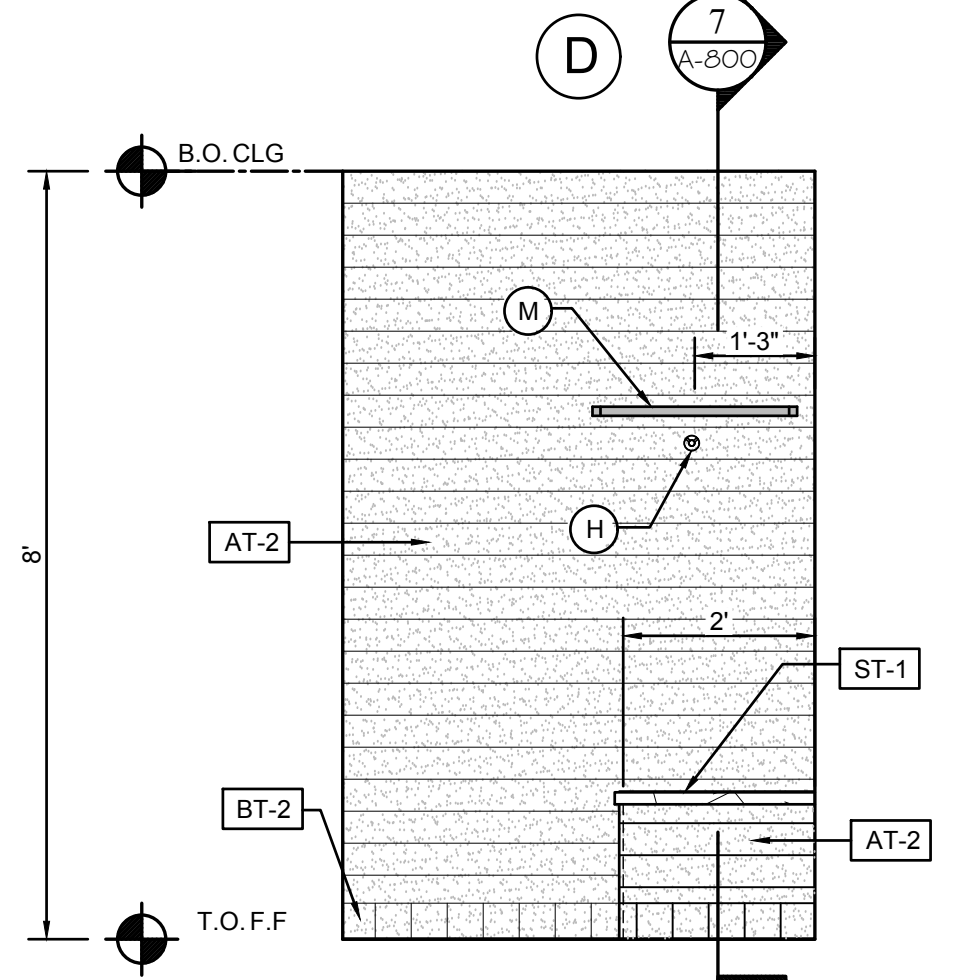
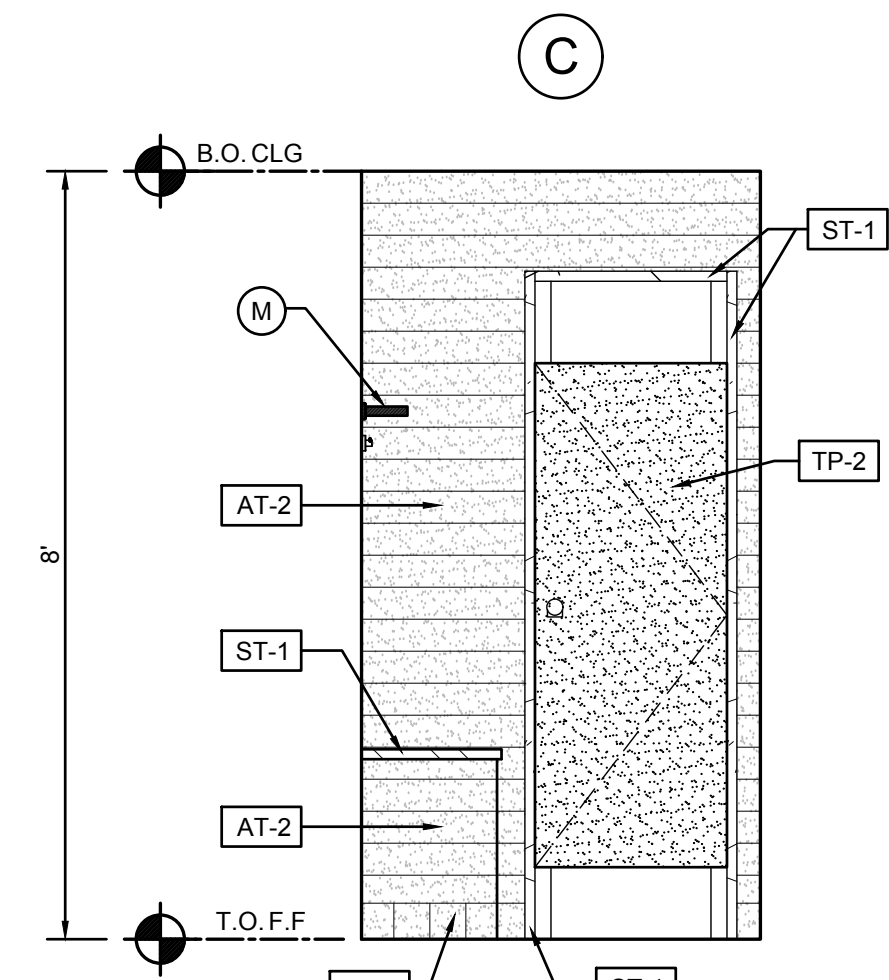
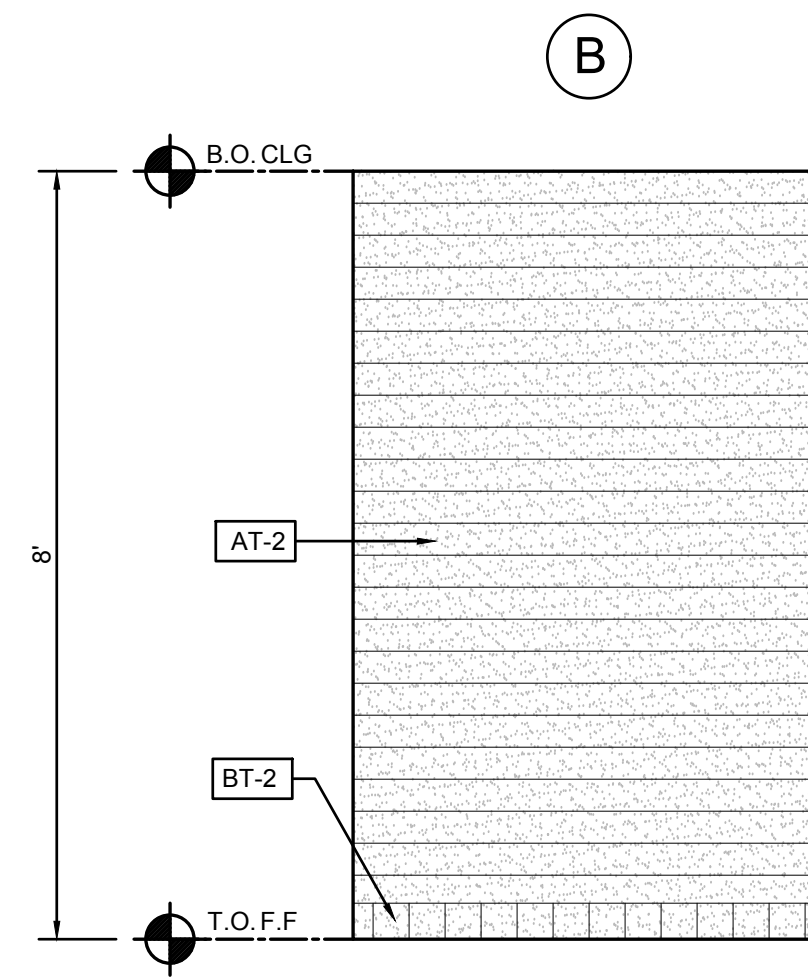
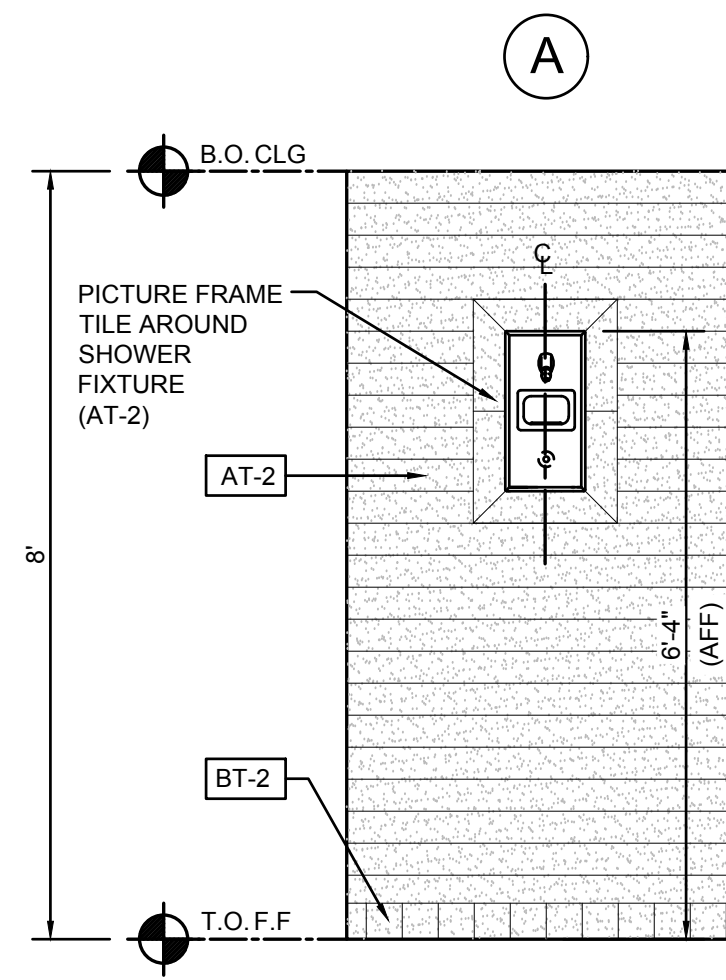
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SCALE: 1/2" = 1'-0"



4 INTERIOR ELEVATION/ WOMEN'S LATRINE
SCALE: 1/2" = 1'-0"

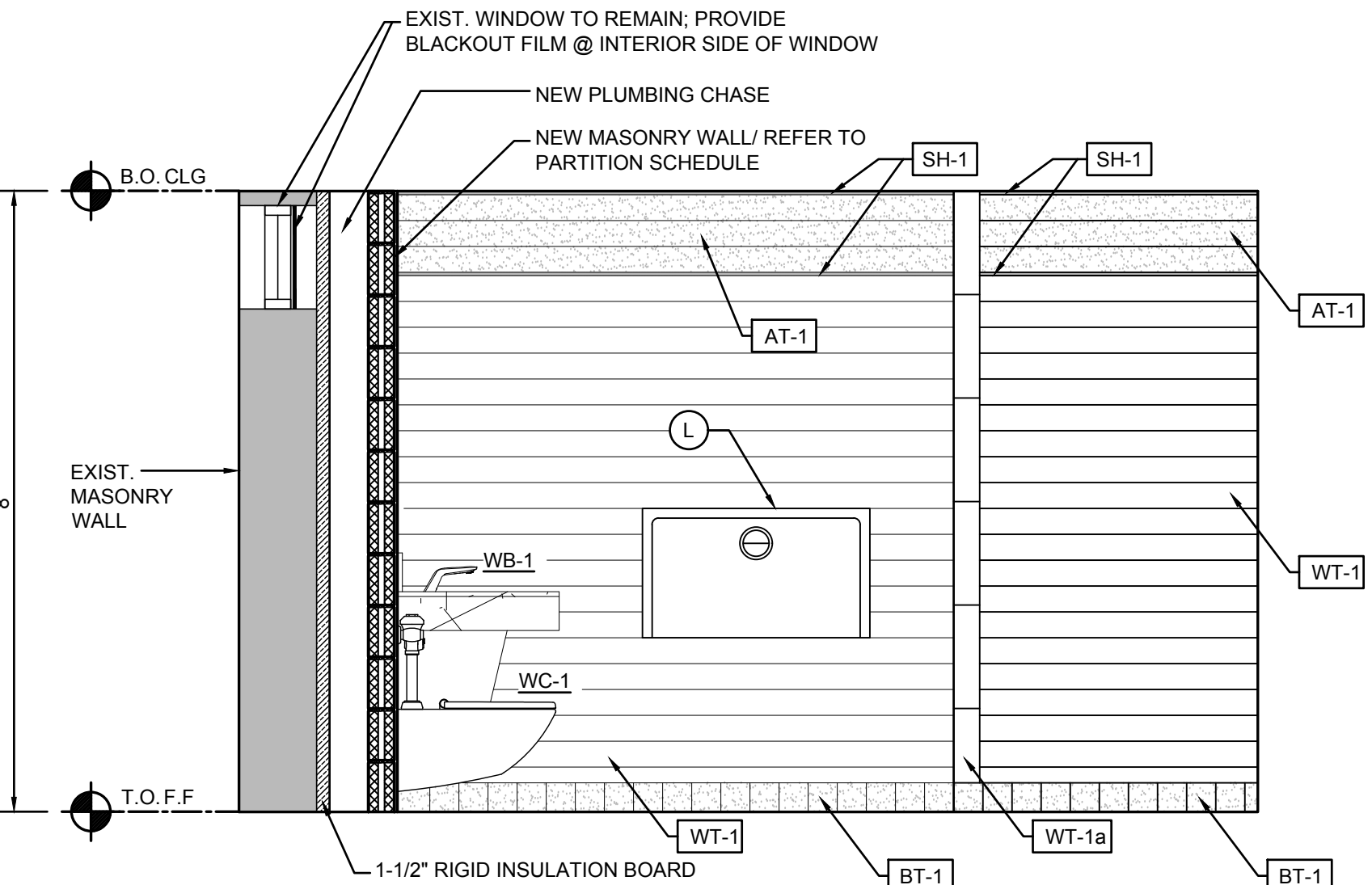


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SCALE: 1/2" = 1'-0"

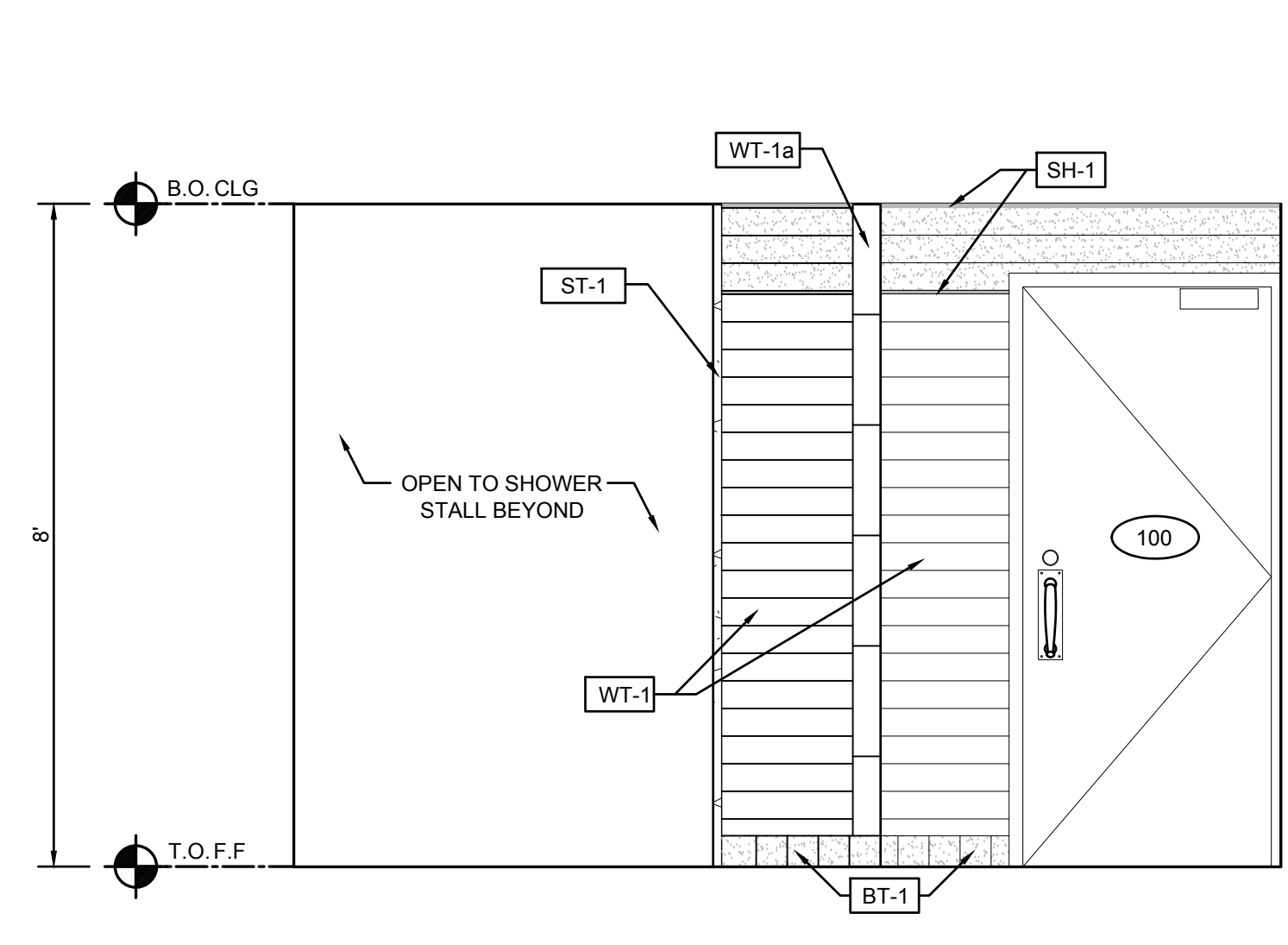


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SCALE: 1/2" = 1'-0"

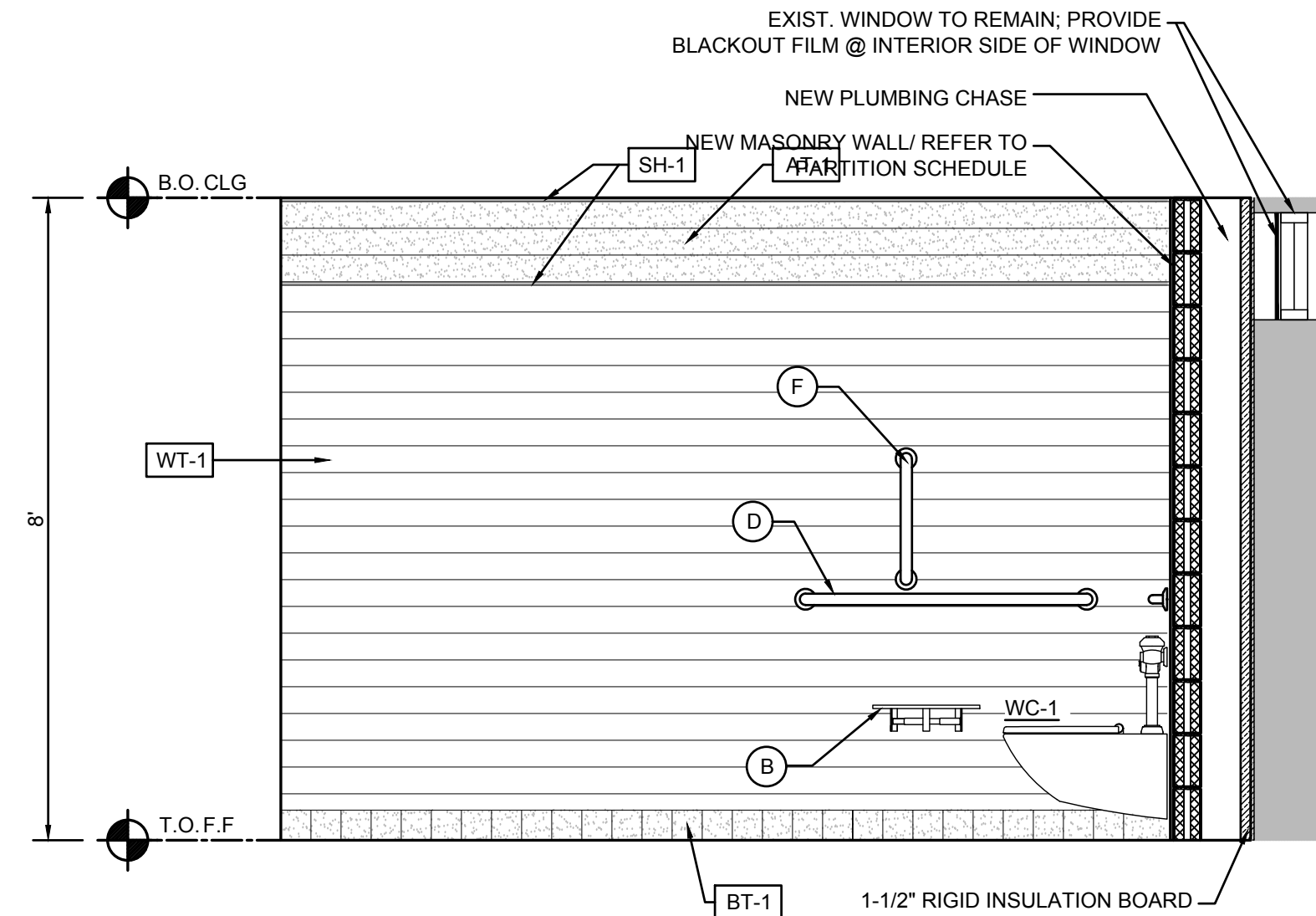
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SCALE: 1/2" = 1'-0"



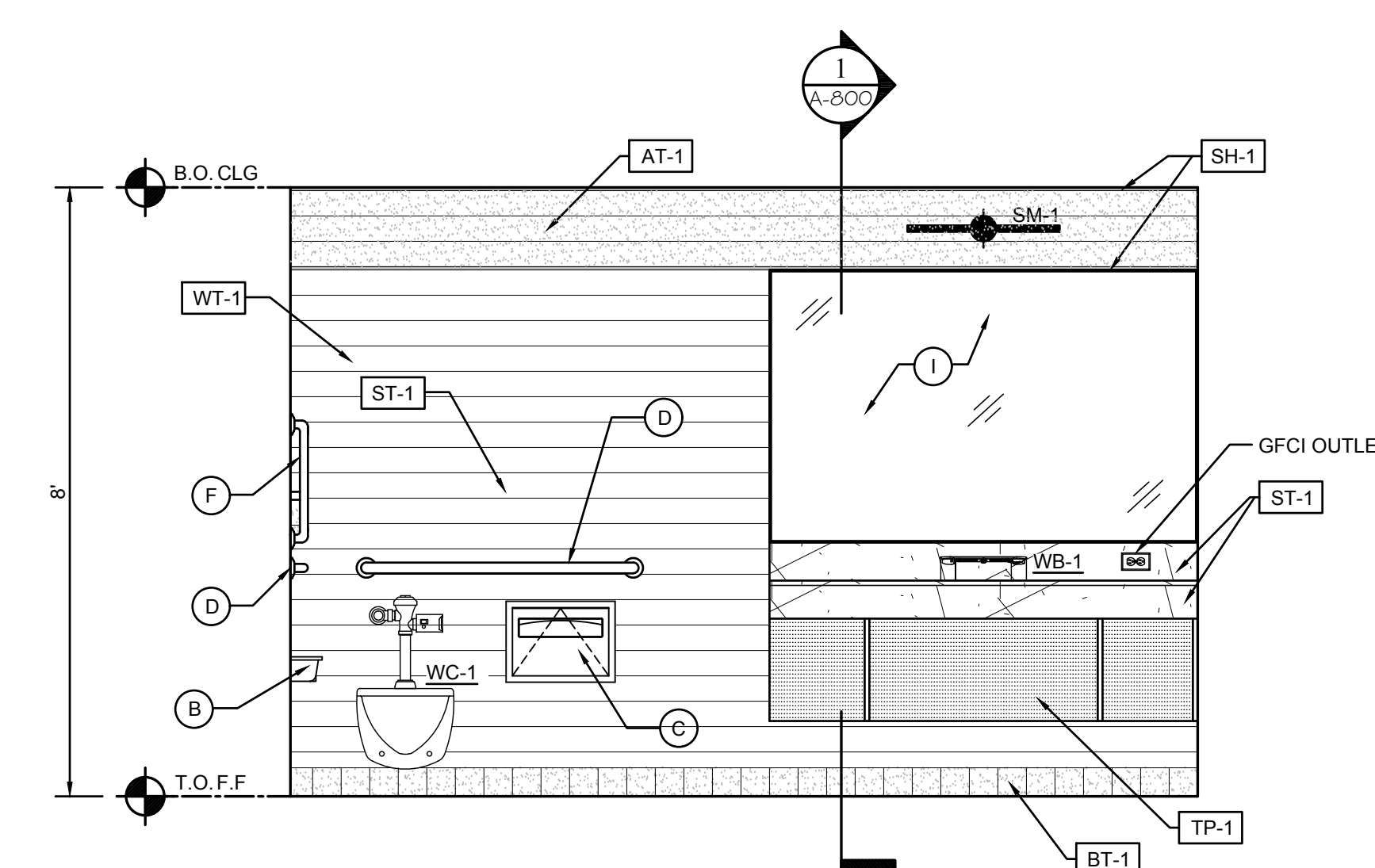
11 INTERIOR ELEVATION/ ADA RESTROOM
SCALE: 1/2" = 1'-0"



10 INTERIOR ELEVATION/ ADA RESTROOM
SCALE: 1/2" = 1'-0"



9 INTERIOR ELEVATION/ ADA RESTROOM
SCALE: 1/2" = 1'-0"



8 INTERIOR ELEVATION/ ADA RESTROOM
SCALE: 1/2" = 1'-0"

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REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
INTERIOR BUILDING ELEVATIONS

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

A-201

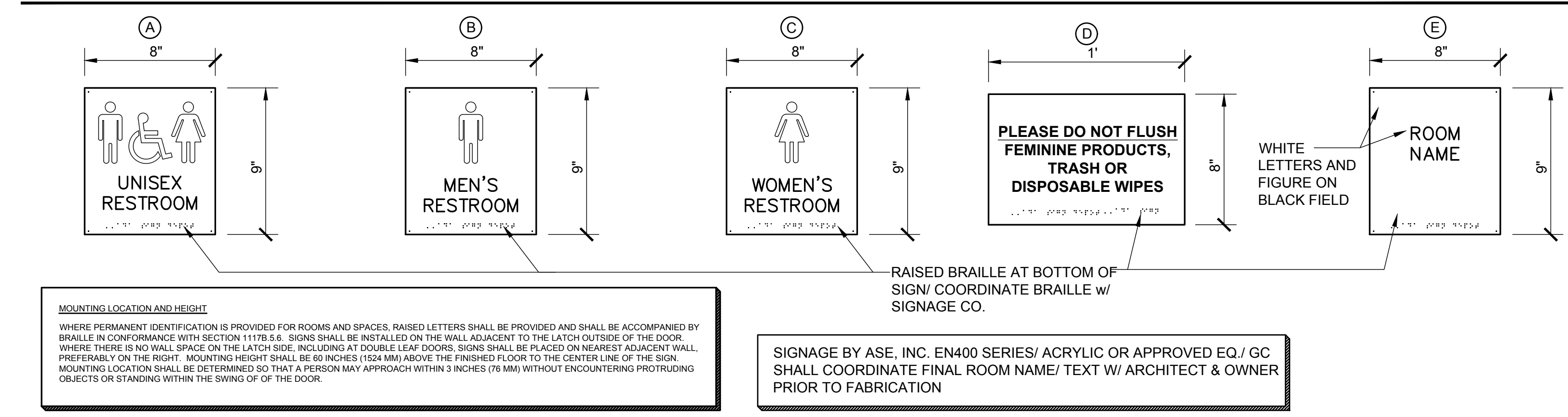
MOUNTING HEIGHT & FIXTURE SCHEDULE

FIXTURE TAG:	WC	FIXTURE TAG:	UR	FIXTURE TAG:	LAV	FIXTURE TAG:	SHOWER
FIXTURE:	WATER CLOSET	FIXTURE:	URINAL	FIXTURE:	LAVATORY	FIXTURE:	SHOWER FIXTURE
<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. RIM HEIGHT (BARRIER FREE): 16"-18" AFF 2. RIM HEIGHT (AMBULATORY): 17"-19" AFF 3. RIM HEIGHT (STANDARD): 15" AFF 4. CENTERLINE OF WC (RECOMMENDED): 18" AFF 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. RIM HEIGHT (BARRIER FREE): 17" AFF 2. RIM HEIGHT (STANDARD): 24" AFF 3. CENTERLINE OF UR (RECOMMENDED): 18" AFF 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. KNEE CLEARANCE AT LAVATORY - APRON 28" MIN. HT., 8" MIN. DEPTH. 2. LAVATORY DEPTH - 17" MIN. 3. LAVATORY DRAIN AND HOT WATER PIPES - INSULATED WHEN EXPOSED. 4. LAVATORY RIM SURFACE - MAX. 34" A.F.F. 5. INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE MOUNTED ON THE EXTERIOR OF THE TOILET ROOM DOOR. 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. CONTROLS AND HAND SHOWER SHALL BE LOCATED ON THE BACK WALL ABOVE THE GRAB BAR. 48" MAXIMUM ABOVE FINISH FLOOR. THE CONTROLS SHALL BE 16" MINIMUM AND 27" MAXIMUM FROM THE END WALL BEHIND THE SEAT. 				
<p>FIXTURE TAG: (A)</p> <p>FIXTURE: SOAP DISPENSER</p>	<p>FIXTURE TAG: (B)</p> <p>FIXTURE: TOILET TISSUE DISPENSER</p>	<p>FIXTURE TAG: (C)</p> <p>FIXTURE: TOILET SEAT COVER DISPENSER</p>	<p>FIXTURE TAG: (D)</p> <p>FIXTURE: GRAB BAR (42")</p>				
<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <p>30" (MIN) TO 48" (MAX) AFF</p> <p>MOUNTING HEIGHT: (STANDARD)</p> <p>45" (MIN) TO 59" (MAX) AFF</p>	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <p>WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24" MINIMUM AND 42" INCHES MAXIMUM FROM THE REAR WALL. 1 1/2" CLEARANCE BELOW GRAB BAR</p> <p>THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR</p>	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. OPENING FOR TOILET SEAT COVERS NEED TO BE MOUNTED BETWEEN 15" AND 48" AFF, IN ACCESSIBLE LOCATION 2. BARRIER FREE: 30" MIN TO 48" MAXIMUM AFF 3. NON-BARRIER FREE: 45" MIN TO 59" MAXIMUM AFF 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. 42" GRAB BAR (HORIZONTAL) 2. CENTER LINE 33", 38" AFF (30" RECOMMENDED) 3. 12" (MAX) FROM SIDE WALL TO CENTERLINE. 42" (MIN) LENGTH. TOTAL 54" MINIMUM FROM SIDE WALL 4. 54" (MAX) FROM WALL TO END 				
<p>FIXTURE TAG: (E)</p> <p>FIXTURE: GRAB BAR (36")</p>	<p>FIXTURE TAG: (F)</p> <p>FIXTURE: GRAB BAR (18")</p>	<p>FIXTURE TAG: (G)</p> <p>FIXTURE: SANITARY NAPKIN DISPENSER</p>	<p>FIXTURE TAG: (H)</p> <p>FIXTURE: WALL MOUNTED HOOKS</p>				
<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. 36" GRAB BAR (HORIZONTAL) 2. CENTER LINE 33", 38" AFF (30" RECOMMENDED) 3. 12" (MIN) FROM CENTERLINE OF WC TO WALL/ PARTITION 24" (MIN) FROM CENTERLINE OPP. DIRECTION 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. 18" GRAB BAR (MINIMUM) (VERTICAL) 2. CENTER LINE 36" - 41" AFF 3. 39" TO 41" TO CENTERLINE FROM REAR WALL 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. RECOMMENDED IN ALL WOMEN'S TOILET COMPARTMENTS. THEY SHOULD BE WITHIN REACH FROM A SITTING POSITION, AND IT IS RECOMMENDED THAT THEY BE MOUNTED BELOW GRAB BARS 2. RECOMMENDED 25" MIN TO 30" MAX AFF 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. (1) COAT HOOK REQUIRED AT EACH TOILET PARTITION DOOR. 2. (1) COAT HOOK REQUIRED AT EACH SHOWER STALL PARTITION DOOR 				
<p>FIXTURE TAG: (I)</p> <p>FIXTURE: MIRROR</p>	<p>FIXTURE TAG: (J)</p> <p>FIXTURE: PAPER TOWEL & WASTE RECEPTACLE</p>	<p>FIXTURE TAG: (K)</p> <p>FIXTURE: HAND DRYERS</p>	<p>FIXTURE TAG: (L)</p> <p>FIXTURE: CHILD CHANGING STATION</p>				
<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. BOTTOM EDGE OF MIRROR TO BE 35" MINIMUM TO 40" MAXIMUM AFF. (40" SHOWN) 2. 2" MIRROR 3. J-CHANNEL (CR. D636P, 1/2" x 1/2") AT TOP, BOTTOM & SIDES OF MIRROR 4. VERTICAL SEAMS TO BE FLAT POLISHED & BUTT JOINTED (TYPICAL) 5. PROVIDE CONTINUOUS BACK-BED BEAD OF SILICONE BEHIND ALL VERTICAL JOINTS 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. BARRIER FREE: PAPER TOWEL DISPENSER OUTLET 48" AFF MAXIMUM. GC TO REFERENCE 2. STANDARD T.O. FIXTURE 67" TO 74" AFF 3. MINIMUM TWO (2) FIXTURES PER RESTROOM, ONE AT EACH MOUNTING HEIGHT UNLESS SEPARATE ADA ACCESSIBLE FACILITIES ARE PROVIDED. 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. HAND DRYERS SHOULD BE SPACED 24" APART MINIMUM. NEVER OVER LAVATORY 2. MOUNTING HEIGHTS SHOWN ARE TO BOTTOM OF DRYER UNIT 3. AVERAGE DRYER TRAFFIC: (1) DRYER PER (2) LAVATORIES 	<p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. T.O. CHANGING STATION SHOULD BE 48" AFF. THE HANDLE FOR THE PULL STATION SHALL BE BELOW 48" AFF. 2. HEIGHTS ABOVE ARE RECOMMENDED. 3. GC TO REFERENCE/VERIFY INST. INSTALLATION INSTRUCTIONS RELATING TO SPECIFIC UNIT DIMENSIONS. 				
<p>FIXTURE TAG: (M)</p> <p>FIXTURE: TOILETRY SHELF</p>	<p>MISCELLANEOUS MOUNTING HEIGHTS</p> <p>MOUNTING HEIGHT: (BARRIER FREE)</p> <ol style="list-style-type: none"> 1. CENTERLINE FROM FINISH FLOOR 48" 						

BATHROOM ACCESSORY SCHEDULE

ID	FIXTURE	TYPE	MFR.	MODEL NO.	REMARKS
(A)	SOAP DISPENSER	--	--	SERIES: -- FINISH: -- MODEL NO.: -- BARRIER FREE: --	OMIT: SOAP DISPENSER IS PART OF THE WASHBAR (WB-1) FIXTURE
(B)	TOILET TISSUE DISPENSER	WALL MOUNTED	BOBRICK	SERIES: TOILET TISSUE DISPENSER WITH UTILITY SHELF FINISH: STAINLESS STEEL SATIN FINISH MODEL NO.: B-2840 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(C)	TOILET SEAT COVER DISPENSER	WALL MOUNTED	BOBRICK	SERIES: CLASSIC SERIES SURFACE MTD SEAT COVER DISPENSER FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-221 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(D)	GRAB BAR	WALL MOUNTED	BOBRICK	SERIES: 42 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-5806 x 42 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(E)	GRAB BAR	WALL MOUNTED	BOBRICK	SERIES: 36 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-5806 x 36 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(F)	GRAB BAR	WALL MOUNTED	BOBRICK	SERIES: 18 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-5806 x 18 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(G)	SANITARY NAPKIN DISPOSAL	WALL MOUNTED	BOBRICK	SERIES: CONTURA SERIES FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-270 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(H)	COAT HOOK	WALL MOUNTED	BOBRICK	SERIES: DOUBLE COAT HOOK FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-549 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(I)	MIRROR	WALL MOUNTED	BOBRICK	SERIES: NON-SPECIFIC FINISH: STANDARD MODEL NO.: 1/2" MIRROR WITH 1/2" J-CHANNEL @ PERIMETER EDGES BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(J)	PAPER TOWEL & TRASH DISPENSER	WALL MOUNTED	BOBRICK	SERIES: CONTURA SERIES FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: B-43949 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(K)	HAND DRYER	--	--	SERIES: -- FINISH: -- MODEL NO.: -- BARRIER FREE: --	OMIT: HARD DRYER IS PART OF THE WASHBAR (WB-1) FIXTURE
(L)	CHILD CHANGING STATION	WALL MOUNTED	BOBRICK/ KOALA BEAR	SERIES: HORIZONTAL STAINLESS STEEL WALL MOUNTED CHANGING STATION FINISH: STAINLESS STEEL/ SATIN FINISH MODEL NO.: KB110-SSWM BARRIER FREE: --	
(M)	TOILETRY SHELF	WALL MOUNTED	BOBRICK	SERIES: STAINLESS STEEL TOILETRY SHELF FINISH: STAINLESS STEEL MODEL NO.: B-683 x 24 BARRIER FREE: --	

SIGNAGE/ MOUNTING REQUIREMENTS

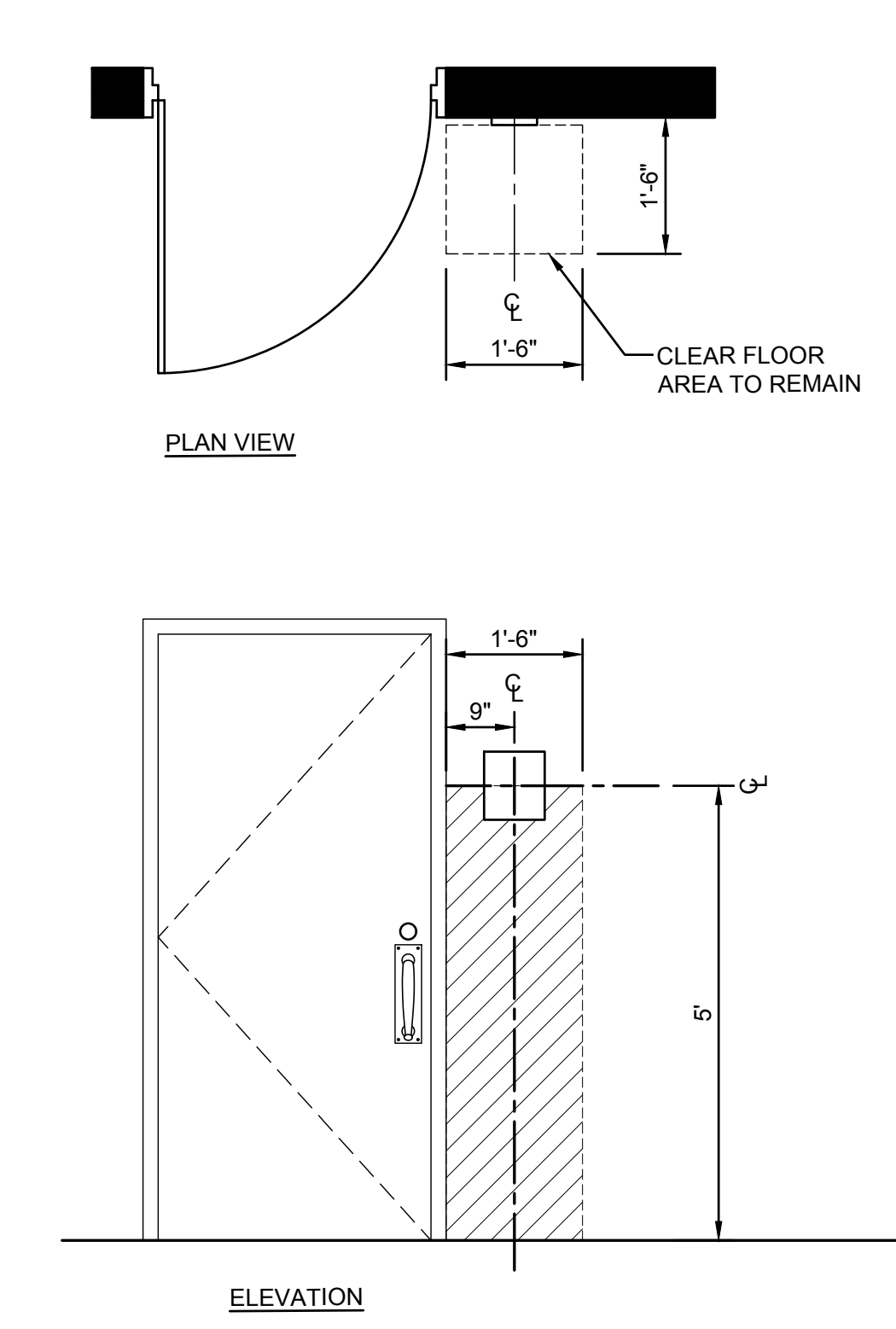


1 SIGNAGE

SIGNAGE MUST COMPLY WITH THE ICC A117.1-2009 CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES:

- 703: SIGNS
- 703.1 GENERAL: Accessible signs shall comply with Section 703. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual and one with raised characters, shall be provided.
- 703.1.1 DESIGNATIONS: Interior and exterior signs identifying permanent rooms and spaces shall comply with Sections 703.1.703.2 and 703.3. EXCEPTION: Exterior signs that are not located at the door to the space they serve shall not be required to comply with Section 703.3
- 703.1.2 DIRECTIONAL AND INFORMATIONAL SIGNS: Signs that provide direction to or information about interior spaces and facilities of the site shall comply with Section 703.2
- 703.1.3 PICTOGRAMS: Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with Section 703.5 and shall have text descriptors located directly below the pictogram field and complying with Sections 703.2 and 703.3. EXCEPTION: Pictograms that provide information about a room or space, such as "No Smoking", Occupant Logos, and the International Symbol of Accessibility, are not required to have descriptors.
- 703.2 VISUAL CHARACTERS: Visual characters shall comply with the following:
- 1) Visual characters that also serve as raised characters shall comply with Section 703.3 or
 - 2) Visual characters on VMS signage shall comply with Section 703.7, or
 - 3) Visual characters not covered in items 1 and 2 shall comply with Section 703.2
- 703.4: BRAILLE
- BRAILLE SHALL BE CONTRACTED (GRADE 2)
 - BRAILLE SHALL COMPLY W/ SECTION 703.4 OF THE ICC A117.1-2009
 - BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT.
 - BRAILLE SHALL BE SEPARATED 1/8" INCH MINIMUM FROM ANY OTHER RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 1/8" INCH MINIMUM EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.
 - BRAILLE SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE FINISH FLOOR, MEASURED TO THE BASELINE OF THE BRAILLE CELLS. EXCEPTION: ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 703.4.5
- 703.5: PICTOGRAMS
- 703.5.1 GENERAL: Pictograms shall comply with section 703.5
- 703.5.2 PICTOGRAM FIELD: Pictograms shall have field 6 inches minimum in height. characters or braille shall not be located in the pictogram field.
- 703.5.3 FINISH AND CONTRAST: Pictograms and their fields shall have a non-glare finish. pictograms shall contrast their fields, with either a light pictogram in a dark field or dark pictogram on a light field.
- 703.6 SYMBOLS OF ACCESSIBILITY:
- 703.6.1 GENERAL: Symbols of accessibility shall comply with Section 703.6
- 703.6.2 FINISH AND CONTRAST: Pictograms and their fields shall have a non-glare finish. pictograms shall contrast their fields, with either a light pictogram in a dark field or dark pictogram on a light field.
- 703.6.3 SYMBOLS: Refer to Section 703.6.3.1, 703.6.3.2, 703.6.3.3 and 703.6.3.4 for required symbols.

MOUNTING HEIGHT REQUIREMENTS



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DO NOT SCALE DRAWING. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

PROJECT NORTH

PROPOSED LATRINE & SHOWER ROOM EXPANSION & REHABILITATION:
NJ NATIONAL GUARD ARMORY (NJDAMAVA)
CAPE MAY ARMORY
600 GARDEN STATE PARKWAY
CAPE MAY COURT HOUSE, NEW JERSEY

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Professional Seal of Thomas J. D'Arrigo Sr., A.I.A.

REVISIONS:

ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:

SCHEDULES

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

A-500

SCHEDULE:		WALL			
MARK	MATERIAL:	MANUFACTURER:	DESCRIPTION:	NOTES:	
WT-1	TILE WALL FIELD TILE	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" FINISH: SEMI-GLOSS COLOR: ARTIC WHITE # 0190 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: BLEACHED WOOD # 545 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
WT-1a	TILE WALL BULLNOSE (16" SIDE)	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" (BULLNOSE 16" SIDE) S-4409 FINISH: SEMI-GLOSS COLOR: ARTIC WHITE # 0190 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: BLEACHED WOOD # 545 GROUT JOINT: 1/8"	TO BE USED AT ALL VERTICAL CORNER CONDITIONS AND INTERIOR JAMBS TCNA METHOD TR711-19	
BT-1	TILE WALL COVE BASE	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 4" FINISH: SEMI-GLOSS COLOR: BLACK # K111 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
BT-2	TILE WALL COVE BASE	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 4" FINISH: SEMI-GLOSS COLOR: ARCHITECTURAL GRAY # 0109 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
AT-1	TILE WALL ACCENT	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" FINISH: SEMI-GLOSS COLOR: BLACK PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
AT-2	TILE WALL ACCENT	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" FINISH: SEMI-GLOSS COLOR: ARCHITECTURAL GRAY # 0109 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: BLEACHED WOOD # 545 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
CT-1	TILE WALL CEILING (SHOWERS)	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 3" x 6" FINISH: SEMI-GLOSS COLOR: ARTIC WHITE # 0190 PATTERN: STRETCHER COURSE 33% OFF-SET GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: BLEACHED WOOD # 545 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	

SCHEDULE:		CEILING				
MARK	MATERIAL:	MFR.:	DESCRIPTION:	SIZE	COLOR	NOTES
GWB-1	GYPSONUM CEILING SYSTEM SUSPENSION SYSTEM	ARMSTRONG DRYWALL GRID SYSTEM (DGS)	QUICKSTIX DRYWALL GRID SYSTEM & QUICKSTIX SOFFITS OR APPROVED EQ. (CHICAGO CEILING) + 1/2" PURPLE WALLBOARD BY NATIONAL GYPSONUM MOISTURE, MOLD & MILDEW RESISTANCE	---	---	SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 1/2" SUSPENSION SYSTEM OR APPROVED E.Q.
CB-2	GYPSONUM CEILING SYSTEM SUSPENSION SYSTEM	ARMSTRONG DRYWALL GRID SYSTEM (DGS)	QUICKSTIX DRYWALL GRID SYSTEM & QUICKSTIX SOFFITS OR APPROVED EQ. (CHICAGO CEILING) + 1/2" CEMENT BOARD WALL BOARD FOR ALL TILE CEILING LOCATIONS + REFER TO TILE SCHEDULE FOR MATERIAL SPECIFICATION	---	---	SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 1/2" SUSPENSION SYSTEM OR APPROVED E.Q.
ATC-1	ACOUSTIC TILE CEILING & SUSPENSION SYSTEM	ARMSTRONG CEILINGS	TYPE: CERAMAGUARD LAY-IN FINE TEXTURE + HumiGuard Plus	2'-0" x 2'-0" x 1/2"	WHITE	SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 1/2" SUSPENSION SYSTEM OR APPROVED E.Q.
ATC-2	ACOUSTIC TILE CEILING & SUSPENSION SYSTEM	ARMSTRONG CEILINGS	TYPE: CERAMAGUARD LAY-IN FINE TEXTURE + HumiGuard Plus	4'-0" x 4'-0" x 1/2"	WHITE	SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 1/2" SUSPENSION SYSTEM OR APPROVED E.Q.

SCHEDULE:		FLOORING			
MARK	MATERIAL:	MANUFACTURER:	DESCRIPTION:	NOTES:	
FT-1	TILE FLOOR TILE	DALTILE	SERIES: KEYSTONES COLORBODY PORCELAIN MOSAICS SIZE: 2" x 2" HEXAGONAL TILE FINISH: MATTE COLOR: ARTIC WHITE (# D617) BLACK (# D311) PATTERN: HEXAGON DK16 (STANDARD/STOCK PATTERN) GROUT: LATICRETE SPECTRALOCK PRO-PREMIUM EPOXY FLOOR GROUT GROUT COLOR: STERLING SILVER # 78 GROUT JOINT: SHEET TILE/ STANDARD	TCNA F114-17 (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE)	
FT-2	TILE FLOOR TILE	DALTILE	SERIES: KEYSTONES COLORBODY PORCELAIN MOSAICS SIZE: 2" x 2" HEXAGONAL TILE FINISH: ARTIC WHITE (# D617) ARCHITECTURAL GRAY (MATCH AT-2) PATTERN: HEXAGON DK16 (STANDARD/STOCK PATTERN) GROUT: LATICRETE SPECTRALOCK PRO-PREMIUM EPOXY FLOOR GROUT GROUT COLOR: STERLING SILVER # 78 GROUT JOINT: SHEET TILE/ STANDARD	TCNA F114-17 (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE)	
FT-3	TILE FLOOR TILE	DALTILE	SERIES: QUARRY TILE SIZE: 8" x 8" FINISH: ABRASIVE COLOR: RED BLAZE (# 0040) PATTERN: SQUARE (STANDARD PATTERN) GROUT: LATICRETE SPECTRALOCK PRO-PREMIUM EPOXY FLOOR GROUT GROUT COLOR: STERLING SILVER # 78 GROUT JOINT: 1/8" JOINT (QUARRY TILE ONLY)	TCNA F114-17 (SLABS ON GRADE) TCNA F122A-17 (SLABS ABOVE GRADE)	
VCT-1	VINYL COMPOSITE FLOOR TILE	ARMSTRONG	SERIES: STANDARD EXCELON IMPERIAL TEXTURE SIZE: 12" x 12" FLOOR SEALER: ARMSTRONG S-495 COMMERCIAL FLOOR SEALER PRIOR TO FINISH POLISH FINISH POLISH: ARMSTRONG S-480 COMMERCIAL FLOOR POLISH APPLY MINIMUM (2) TWO COATS	---	

SCHEDULE:		WALL BASE			
MARK	MATERIAL:	MANUFACTURER:	DESCRIPTION:	NOTES:	
BT-1	TILE WALL COVE BASE	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 4" FINISH: SEMI-GLOSS COLOR: BLACK # K111 GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
BT-2	TILE WALL COVE BASE	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 4" FINISH: SEMI-GLOSS COLOR: BLACK # K111 GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
BT-3	TILE WALL COVE BASE	DALTILE	SERIES: QUARRY TILE/ COVE BASE SIZE: 5 x 6 x 1/2" FINISH: MATTE COLOR: RED BLAZE GROUT: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT COLOR: CHARCOAL # 60 GROUT JOINT: 1/8"	TCNA METHOD TR711-19	
BT-4	VINYL COMPOSITE FLOOR COVE BASE	ARMSTRONG	SERIES: STANDARD EXCELON IMPERIAL TEXTURE COLOR: BLACK SIZE: 6"	---	

SCHEDULE:		PAINT	
MARK	DESCRIPTION:	SPECIFICATION	
PR-1	CMU- EPOXY FILLER (AT ALL NEW CMU WALLS)	MANUFACTURER: SHERWIN WILLIAMS SERIES: B42W400/B42V401 TYPE: KEM CATH-COAT HS EPOXY FILLER/ SEALER FINISH: BLOCK FILLER (WET AREAS) COLOR CODE: -- COLOR NAME: --	
PR-1a	CMU- PRIMER (AT ALL NEW CMU WALLS)	MANUFACTURER: SHERWIN WILLIAMS SERIES: B58-620/ B58V620 TYPE: MACROPOXY 646-100 FAST CURE EPOXY FINISH: PRIMER (WET AREAS) COLOR CODE: -- COLOR NAME: --	
PR-2	GYPSONUM BOARD PRIMER	MANUFACTURER: SHERWIN WILLIAMS SERIES: B28W2600 TYPE: PRO MAR 200 ZERO VOC LATEX PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --	
PR-2a	GYPSONUM BOARD PRIMER	MANUFACTURER: SHERWIN WILLIAMS SERIES: B28W2600 TYPE: PRO MAR 200 ZERO VOC LATEX PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --	
PNT-1	GYPSONUM BOARD- CEILINGS AND SOFFITS	MANUFACTURER: SHERWIN WILLIAMS SERIES: B30-2600 TYPE: PRO MAR 200 ZERO VOC INTERIOR LATEX FINISH: FLAT COLOR CODE: SW7757 COLOR NAME: HIGH REFLECTIVE WHITE	
PNT-2	CMU- FIELD	MANUFACTURER: SHERWIN WILLIAMS SERIES: -- TYPE: -- FINISH: TBD COLOR CODE: TBD COLOR NAME: TBD	
PNT-3	CMU- FIELD	MANUFACTURER: SHERWIN WILLIAMS SERIES: -- TYPE: -- FINISH: TBD COLOR CODE: TBD COLOR NAME: TBD	
PNT-4	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-310 TYPE: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --	
PNT-5	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-650 TYPE: PRO INDUSTRIAL ACRYLIC FINISH: SEMI-GLOSS COLOR CODE: -- COLOR NAME: BLACK	
PNT-6	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-650 TYPE: PRO INDUSTRIAL ACRYLIC FINISH: SEMI-GLOSS COLOR CODE: -- COLOR NAME: BLACK	
PNT-7	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-650 TYPE: PRO INDUSTRIAL ACRYLIC FINISH: SEMI-GLOSS COLOR CODE: -- COLOR NAME: BLACK	
PNT-8	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-650 TYPE: PRO INDUSTRIAL ACRYLIC FINISH: SEMI-GLOSS COLOR CODE: -- COLOR NAME: BLACK	

NOTES
REFER TO SPECIFICATION MANUAL:
1. ALL SURFACES SCHEDULED FOR PAINTING SHALL RECEIVE ONE (1) COAT OF PRIMER AND TWO (2) FINISH COATS OF THE SPECIFIED PAINT
2. ALL PAINTING MATERIALS SHALL BE HANDLED (STORED) AND APPLIED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.
3. ALL GWB AND PLASTER WALLS TO BE FINISH PAINTED WITH SCRUBBABLE INTERIOR LATEX "SATIN" SERIES A87-100 BY SHERWIN WILLIAMS OR APPROVED EQUAL.
4. ALL GWB AND PLASTER CEILING SURFACES TO BE FINISH PAINTED WITH INTERIOR LATEX "FLAT" PPRMAR 200, SERIES B30W-200 BY SHERWIN WILLIAMS OR APPROVED EQ. ALL WOOD AND POLYMER TRIMS CASINGS & BASE MOLDINGS TO BE FINISH PAINTED WITH LATEX LOW SHEEN ES ENAMEL B20W1200 BY SHERWIN WILLIAMS OR APPROVED EQ.
5. ALL DOORS AND FRAMES THAT ARE NOT SPECIFICALLY SPECIFIED AS FACTORY FINISHED SHALL BE PROVIDED WITH A PRIME COAT AND TWO FINISH COATS OF PAINT SPECIFIED IN NOTE NO. 5 ABOVE.

SCHEDULE:		FIXTURES & FURNISHINGS	
MARK	MATERIAL	MANUFACT.	DESCRIPTION
TP-1	TOILET PARTITIONS & DOORS, URINAL SCREENS & SHOWER STALL DOORS	SCRANTON PRODUCTS OR APPROVED EQ.	SERIES: ECLIPSE II HEIGHT: 62" COLOR: METALLIC COLOR COLLECTION: CLASS B/ STAINLESS
TP-2	TOILET PARTITIONS & DOORS, URINAL SCREENS & SHOWER STALL DOORS	SCRANTON PRODUCTS OR APPROVED EQ.	SERIES: ECLIPSE II HEIGHT: 62" COLOR: METALLIC COLOR COLLECTION: CLASS B/ BRONZE
L-1	LOCKERS	SCRANTON PRODUCTS OR APPROVED EQ.	SERIES: TUFFTEC LOCKERS/ CLASSIC COLLECTION SIZE: 12" x 12" x 72" STYLE: FULL LATTICE MESH TOP MATERIAL: TWO-TIER LOCKER COMBO w/ 4" HIGH BLACK BASE TOP: PAD LOCK LOCK NUMBERING: START AT 1

SCHEDULE:		MISCELLANEOUS	
MARK	MATERIAL	MANUFACT.	DESCRIPTION
SH-1	WALL TRIM ALUMINUM	SCHLUTER	SERIES: QUADEC # Q100ACG SIZE: 1/2" MATERIAL: ANODIZED ALUMINUM FINISH: POLISHED CHROME (Q100ACG)
ST-1	STONE QUARTZ	CAMBRIA	COLOR: WEYBOURNE THICKNESS: 1 1/2"
TH-1			
TH-2	THRESHOLD ALUMINUM	SCHLUTER	SERIES: SCHIENE MATERIAL: ALUMINUM FINISH: ALUMINUM

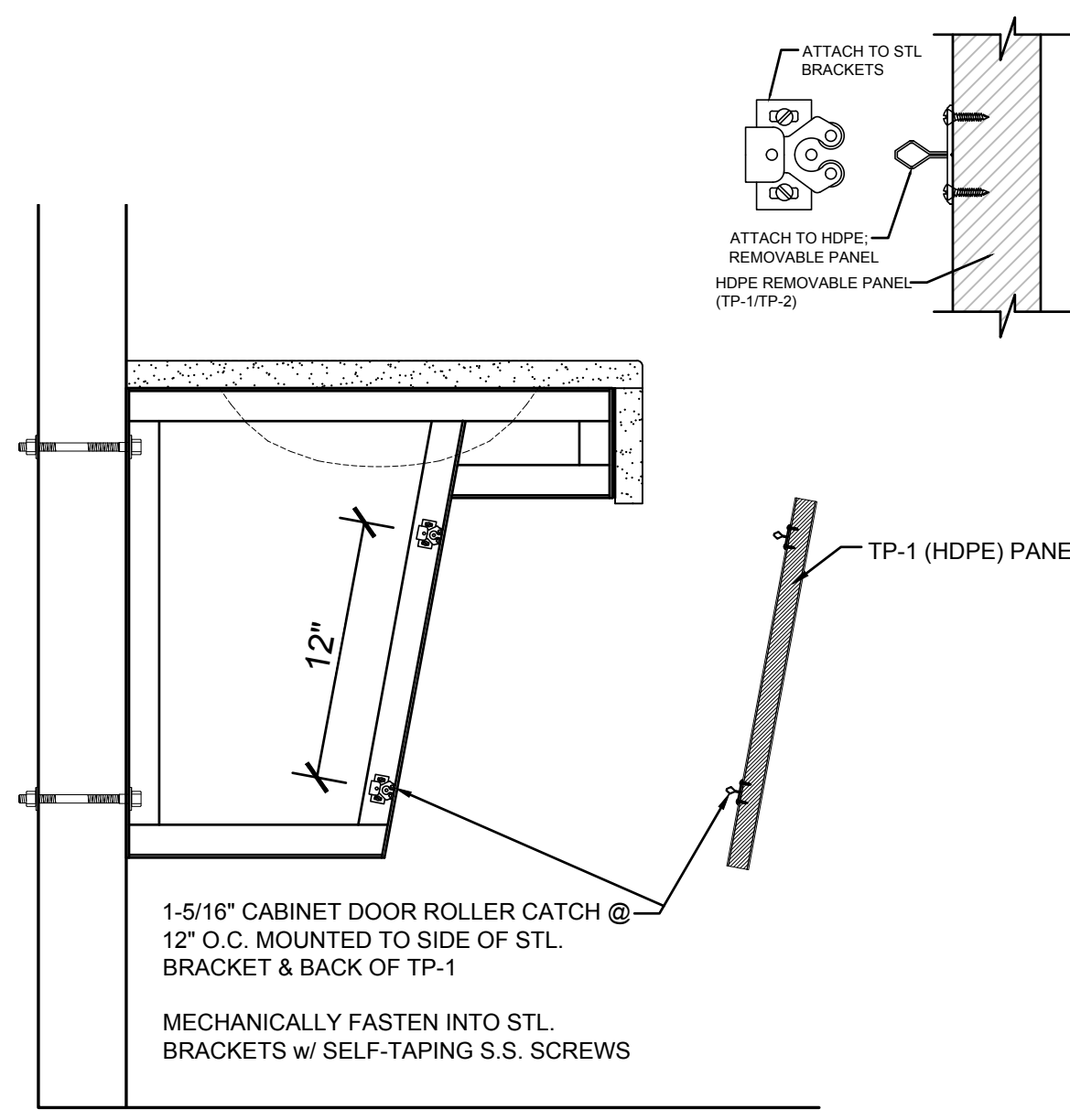
FINISH SCHEDULE		FLOOR		WALL		CEILING		REMARKS
MARK	ROOM ID	MATERIAL	BASE	MATERIAL	BASE	MATERIAL	HEIGHT	
100	ADA RESTROOM (UNISEX)	TILE	TILE	TILE	TILE	GWB-1	8'-0"	COORDINATE W/ FINISH PLANS
200	UTILITY CLOSET	TILE	TILE	PNT	PNT	---	---	
300	WOMEN'S LATRINE	TILE	TILE	TILE	TILE	GWB-1	8'-0"	
301	UTILITY CHASE	---	---	---	---	---	---	
400	MEN'S LATRINE	TILE	TILE	TILE	TILE	GWB-1	8'-0"	
500	UTILITY CHASE	---	---	---	---	---	---	
600	LOUNGE (RELOCATED)	VCT	VINYL	PNT	PNT	ATC-2	8'-0"	
700	EXISTING CORRIDOR	VCT	VINYL	PNT	PNT	ATC-2	8'-0"	
800	EXISTING CORRIDOR	VCT	VINYL	PNT	PNT	ATC-2	8'-0"	
900	EXISTING CORRIDOR	VCT	VINYL	PNT	PNT	ATC-2	8'-0"	

DOOR SCHEDULE		MARK	LOCATION	UNIT DIMENSION (W x H)	DOOR TYPE	DOOR		FRAME		RATING	HDWR HEADING	JAMB DETAIL
MATERIAL	FINISH					MATERIAL	FINISH					
100	ADA RESTROOM UNISEX	100	ADA RESTROOM	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #1	A-800/ 10A
200	UTILITY ROOM	200	UTILITY ROOM	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #2	A-800/ 10B
300	WOMEN'S LATRINE	300	WOMEN'S LATRINE	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #3	A-800/ 10A
400	MEN'S LATRINE	400	MEN'S LATRINE	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #3	A-800/ 10A
401	MEN'S LATRINE	401	MEN'S LATRINE	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #5	A-800/ 10A
500	UTILITY CHASE	500	UTILITY CHASE	3'-0" x 7'-0"	B	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #4	---
600	LOUNGE	600	LOUNGE	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET #6	A-800/ 10B

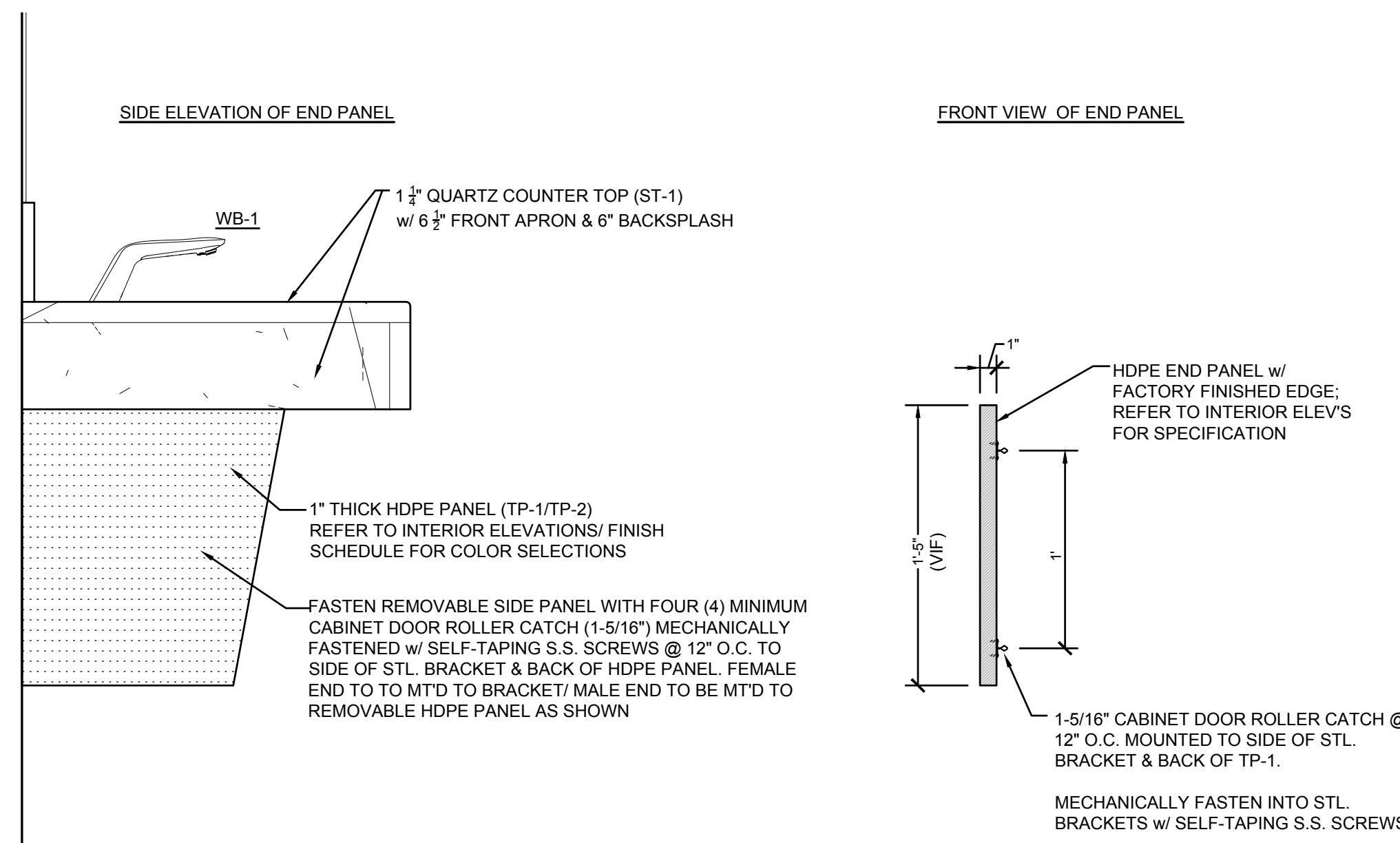
NOTES:
1. G.C. SHALL VERIFY ALL FRAME & DOOR SIZES IN FIELD WITH EXISTING CONDITIONS PRIOR TO ORDERING/ FABRICATION
2. GC SHALL BE RESPONSIBLE FOR ANY/ ALL MODIFICATIONS TO EXISTING DOOR OPENINGS THAT ARE SCHEDULED FOR NEW DOORS AND FRAMES. THIS SHALL INCLUDE ANY ADDITIONAL CUTTING OR INFILL OF MASONRY OR STUD CONSTRUCTION AS NECESSARY TO LOCATE NEW DOORS AND FRAMES AS DEFINED ON THE PLANS

FRAME TYPES		DOOR TYPES	
DOOR TYPE: (A)	DOOR TYPE: (A)	DOOR TYPE: (B)	DOOR TYPE: (B)
APPLICATION: INTERIOR	APPLICATION: INTERIOR	APPLICATION: EXTERIOR	APPLICATION: EXTERIOR
MANUFACTURER: --	MANUFACTURER: PIONEER	MANUFACTURER: TIGER DOOR OR APPROVED EQUAL	MANUFACTURER: TIGER DOOR OR APPROVED EQUAL
SERIES: --	SERIES: HEAVY DUTY/ CH SERIES	SERIES: EXTREME DUTY HURRICANE SERIES	SERIES: EXTREME DUTY HURRICANE SERIES
TYPE: FULLY WELDED METAL FRAME	DOOR TYPE: HONEYCOMB	CORE TYPE: POLYPROPYLENE	CORE TYPE: POLYPROPYLENE
GAUGE: 16 GAUGE	GAUGE: 18 GAUGE/ STANDARD	FINISH: HONEYCOMB	FINISH: HONEYCOMB
STYLE: --	STYLE: FLUSH (F)	STYLE: FLUSH PANEL	STYLE: FLUSH PANEL
FINISH: PNT-6 / PNT-7	FINISH: PNT-6 / PNT-8	FINISH: FIBERGLASS REINFORCED POLYMER (FRP)	FINISH: FIBERGLASS REINFORCED POLYMER (FRP)
FIRE RATED: N/A	FIRE RATED: N/A	FIRE RATED: N/A	FIRE RATED: N/A

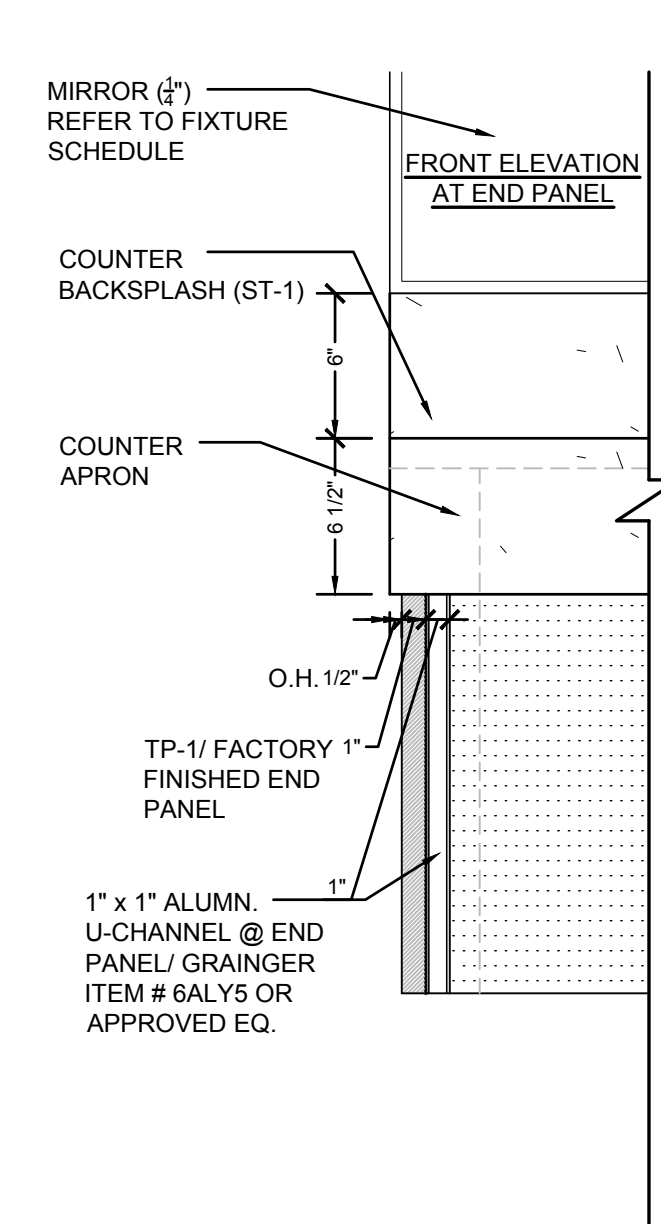
HARDWARE SCHEDULE		HARDWARE SCHEDULE	
SET #1	SET #4	SET #5	SET #6
Doors: 100 Each Opening to receive:	Doors: 400 Each Opening to receive:	Doors: 401 Each Opening to receive:	Doors: 600 Each Opening to receive:
3 Hinge BB1199 4 1/2 X 4 1/2 US32D HA	3 Hinge BB1199 4 1/2 X 4 1/2 NRP US32D HA	3 Hinge BB1199 4 1/2 X 4 1/2 NRP US32D HA	3 Hinge BB1168 4 1/2 X 4 1/2 US26D HA
1 Deadlock 3833S Less Cyl US26D HA	1 Lockset 3880 SECT ARC Less Cyl US26D HA	1 Lockset 3880 SECT ARC Less Cyl US26D HA	1 Lockset 3870 SECT ARC Less Cyl US26D HA
1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM
1 Push Plate 30S 4 X 16 US32D HA	1 Closer5100 5964-HDCS ALM HA	1 Closer5100 5964-HDCS ALM HA	1 Closer5100 5965-HDCS ALM HA
1 Door Pull 33E 4 X 16 US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA
1 Closer5100 MLT ALM HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA
1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Dip Cap 810S 40" MIL HA	1 Dip Cap 810S 40" MIL HA	1 Dip Cap 810S 40" MIL HA
1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Set Weatherstrip 890S N 1 x 3/8" 2 x 84" MIL HA	1 Set Weatherstrip 890S N 1 x 3/8" 2 x 84" MIL HA	1 Set Weatherstrip 890S N 1 x 3/8" 2 x 84" MIL HA
1 Wall Stop 236W US32D HA	1 Door Sweep 754S N 36" CLR HA	1 Door Sweep 754S N 36" CLR HA	1 Door Sweep 754S N 36" CLR HA
3 Door Silencer 307D GREYHA	1 Threshold 412S 36" MIL HA	1 Threshold 412S 36" MIL HA	1 Threshold 412S 36" MIL HA
SET #2	SET #5	SET #6	SET #6
Doors: 200 Each Opening to receive:	Doors: 401 Each Opening to receive:	Doors: 401 Each Opening to receive:	Doors: 600 Each Opening to receive:
3 Hinge BB1199 4 1/2 X 4 1/2 US32D HA	3 Hinge BB1199 4 1/2 X 4 1/2 NRP US32D HA	3 Hinge BB1199 4 1/2 X 4 1/2 NRP US32D HA	3 Hinge BB1168 4 1/2 X 4 1/2 US26D HA
1 Lockset 3880 SECT ARC Less Cyl US26D HA	1 Lockset 3880 SECT ARC Less Cyl US26D HA	1 Lockset 3880 SECT ARC Less Cyl US26D HA	1 Lockset 3870 SECT ARC Less Cyl US26D HA
1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM
1 Closer5100 MLT ALM HA	1 Closer5100 5964-HDCS ALM HA	1 Closer5100 5964-HDCS ALM HA	1 Closer5100 5965-HDCS ALM HA
1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA
1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA
1 Door Holder 327W US26D HA	1 Door Holder 327W US26D HA	1 Door Holder 327W US26D HA	1 Door Holder 327W US26D HA
3 Door Silencer 307D GREYHA	3 Door Silencer 307D GREYHA	3 Door Silencer 307D GREYHA	3 Door Silencer 307D GREYHA
SET #3	SET #6	SET #6	SET #6
Doors: 300, 400 Each Opening to receive:	Doors: 600 Each Opening to receive:	Doors: 600 Each Opening to receive:	Doors: 600 Each Opening to receive:
3 Hinge BB1199 4 1/2 X 4 1/2 NRP US32D HA	3 Hinge BB1168 4 1/2 X 4 1/2 US26D HA	3 Hinge BB1168 4 1/2 X 4 1/2 US26D HA	3 Hinge BB1168 4 1/2 X 4 1/2 US26D HA
1 Deadlock 3833S Less Cyl US26D HA	1 Lockset 3870 SECT ARC Less Cyl US26D HA	1 Lockset 3870 SECT ARC Less Cyl US26D HA	1 Lockset 3870 SECT ARC Less Cyl US26D HA
1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM	1 Mortise Cylinder MATCH EXISTING SYSTEM
1 Push Plate 30S 4 X 16 US32D HA	1 Closer5100 5965-HDCS ALM HA	1 Closer5100 5965-HDCS ALM HA	1 Closer5100 5965-HDCS ALM HA
1 Door Pull 33E 4 X 16 US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA	1 Kick Plate 190S 10" X 2" LDW US32D HA
1 Closer5100 MLT ALM HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA	1 Mop Plate 190S 4" X 1" LDW US32D HA
1 Mop Plate			



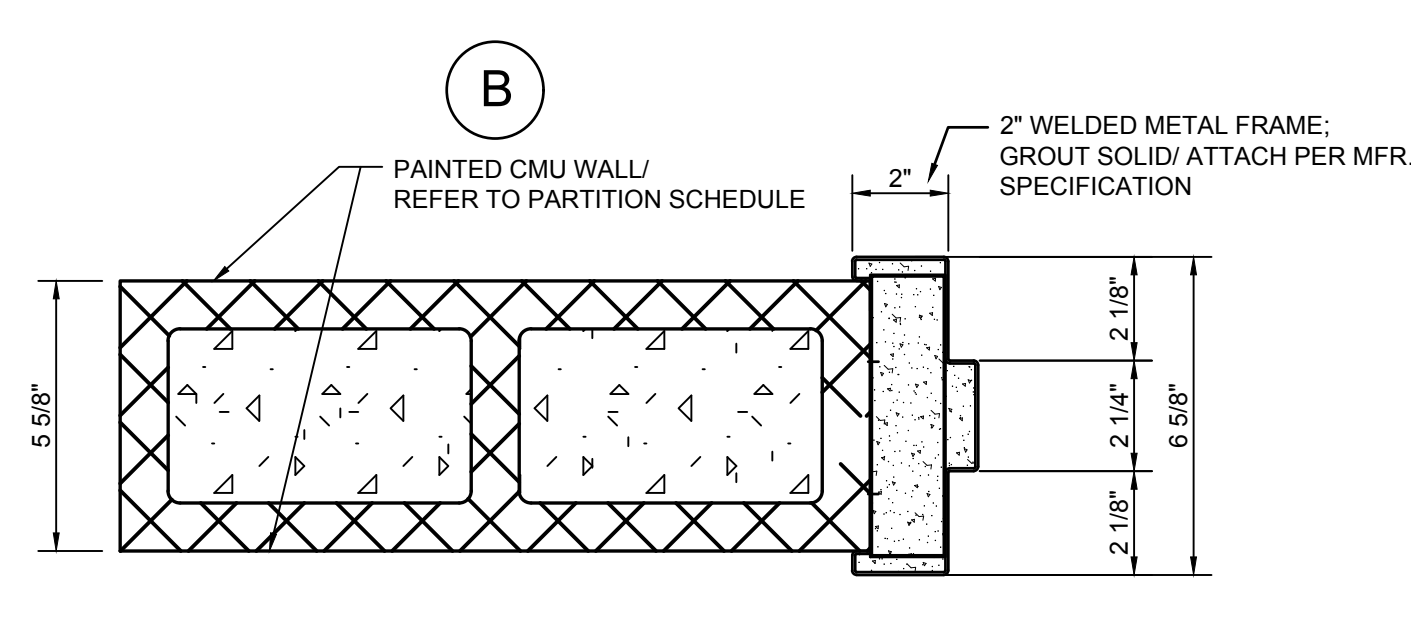
3 LAV PANEL CONNECTION (TYPICAL)
SCALE: 1-1/2" = 1'-0"



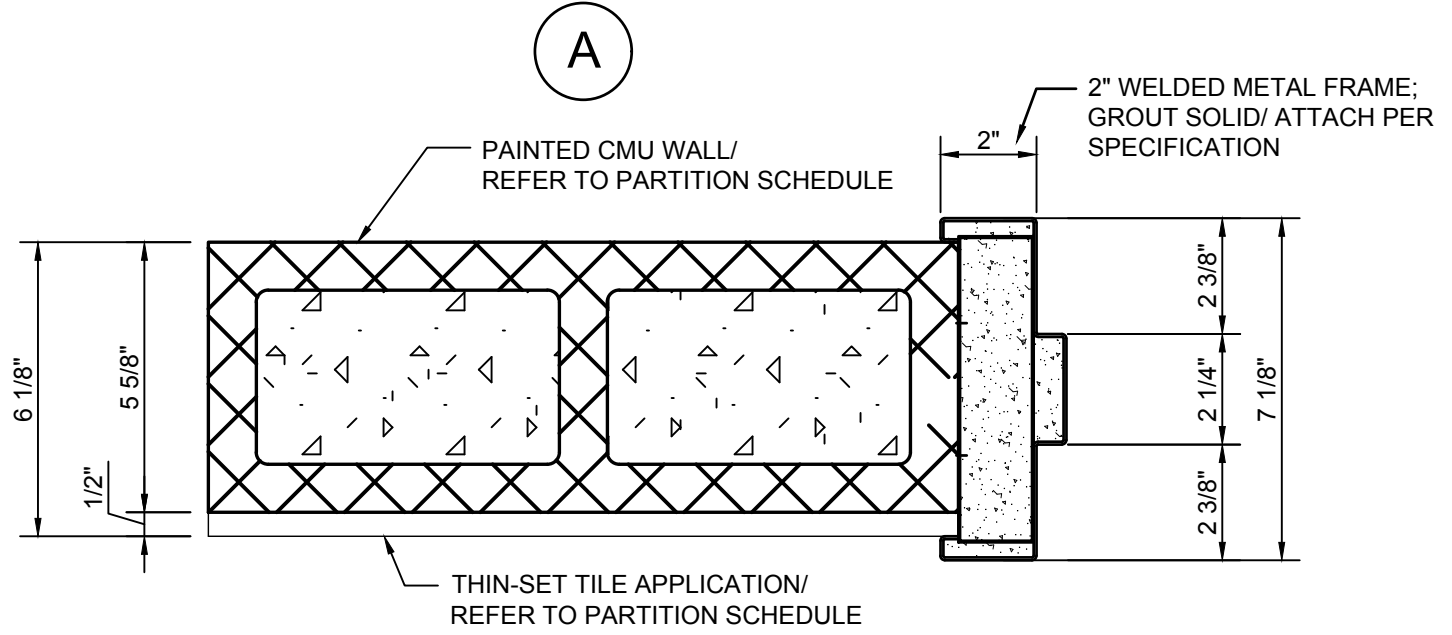
2 DETAIL @ SIDE END PANEL OF LAVATORY COUNTER (TYPICAL)
SCALE: 1-1/2" = 1'-0"



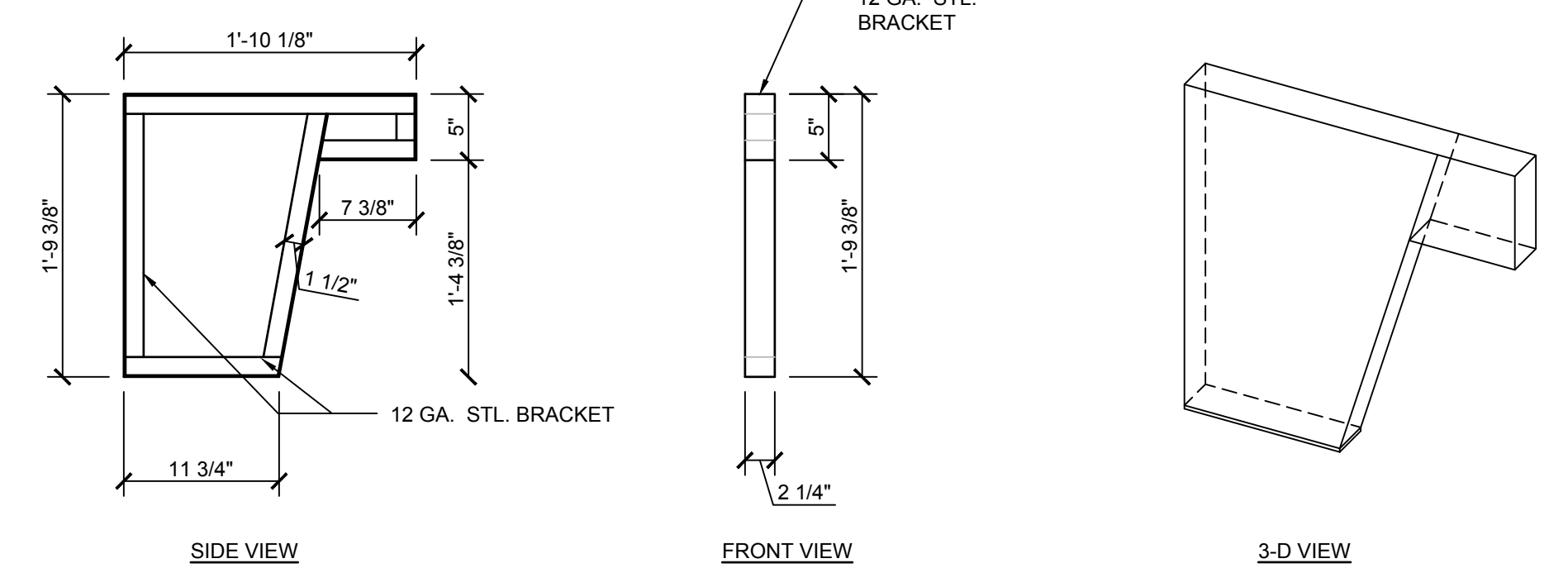
1 DETAIL @ TYPICAL LAVATORY COUNTER
SCALE: 1-1/2" = 1'-0"



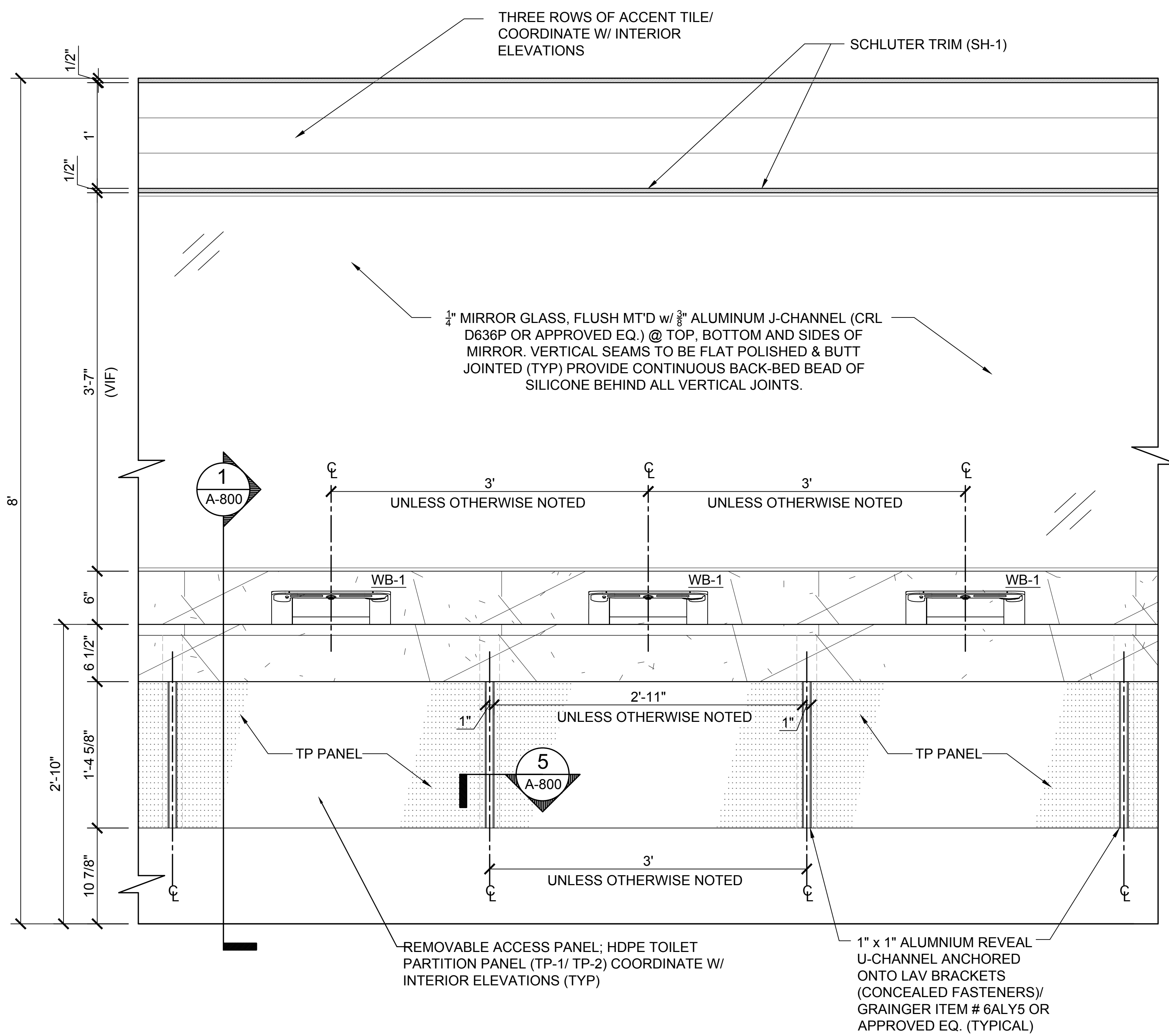
10 GROUDED DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



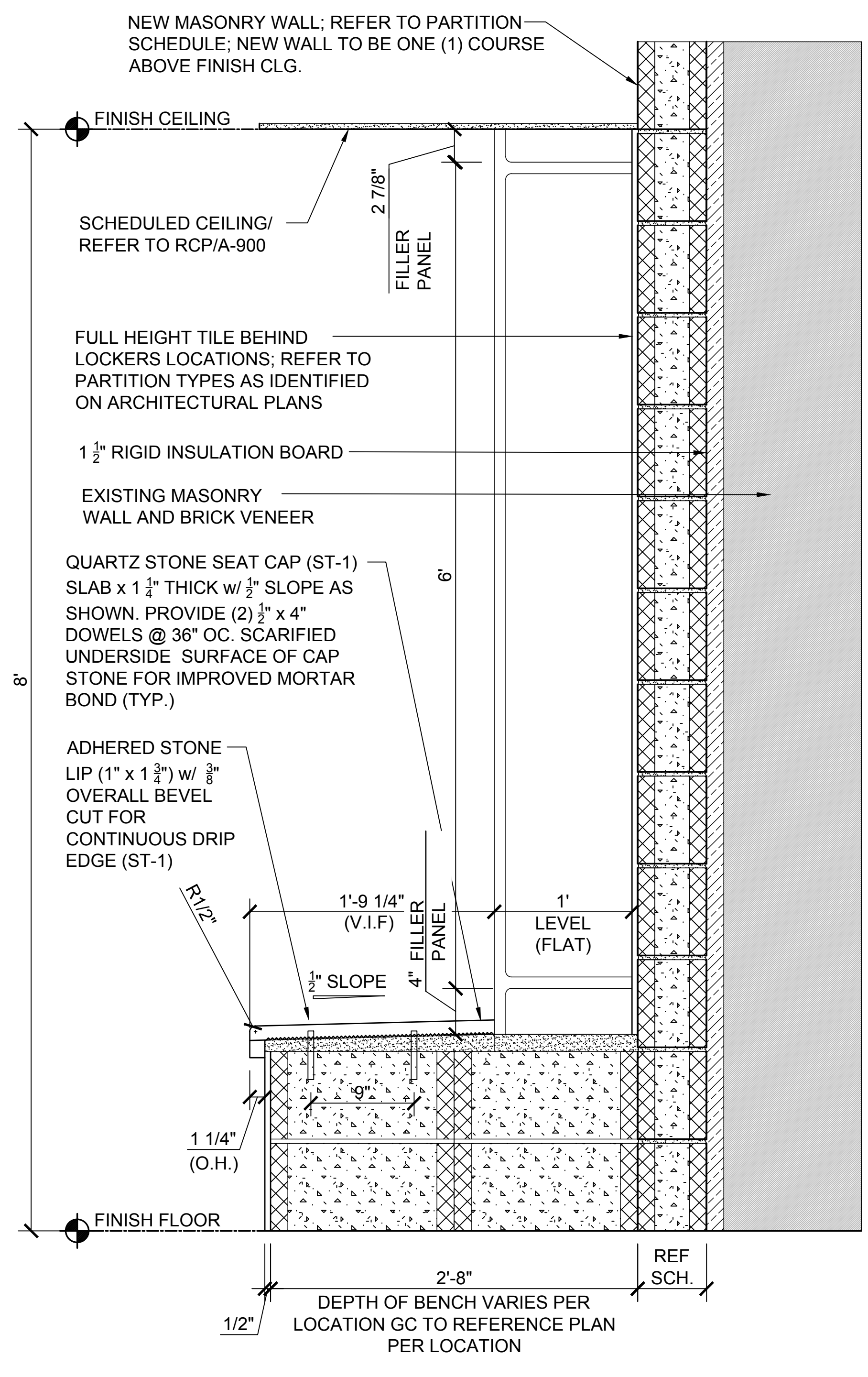
5 LAVATORY MOUNTING BRACKET
SCALE: 1" = 1'-0"



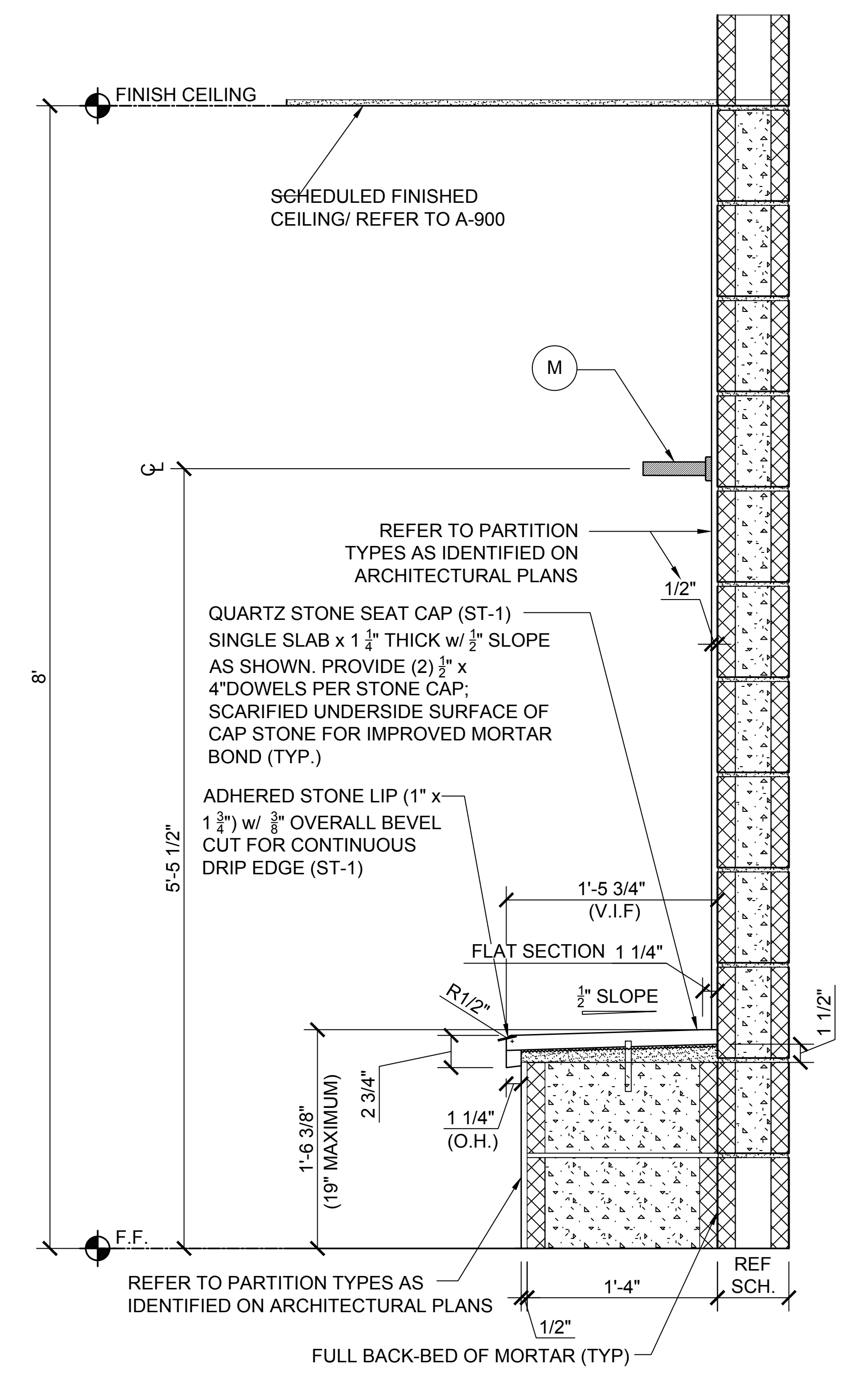
6 LAVATORY MOUNTING BRACKET
SCALE: 1" = 1'-0"



4 LAVATORY SKIRT/ APRON DETAIL
SCALE: 1-1/2" = 1'-0"



8 DETAL @ BUILT-IN BENCH & LOCKERS
SCALE: 1-1/2" = 1'-0"



7 DETAL @ SHOWER SEAT
SCALE: 1-1/2" = 1'-0"

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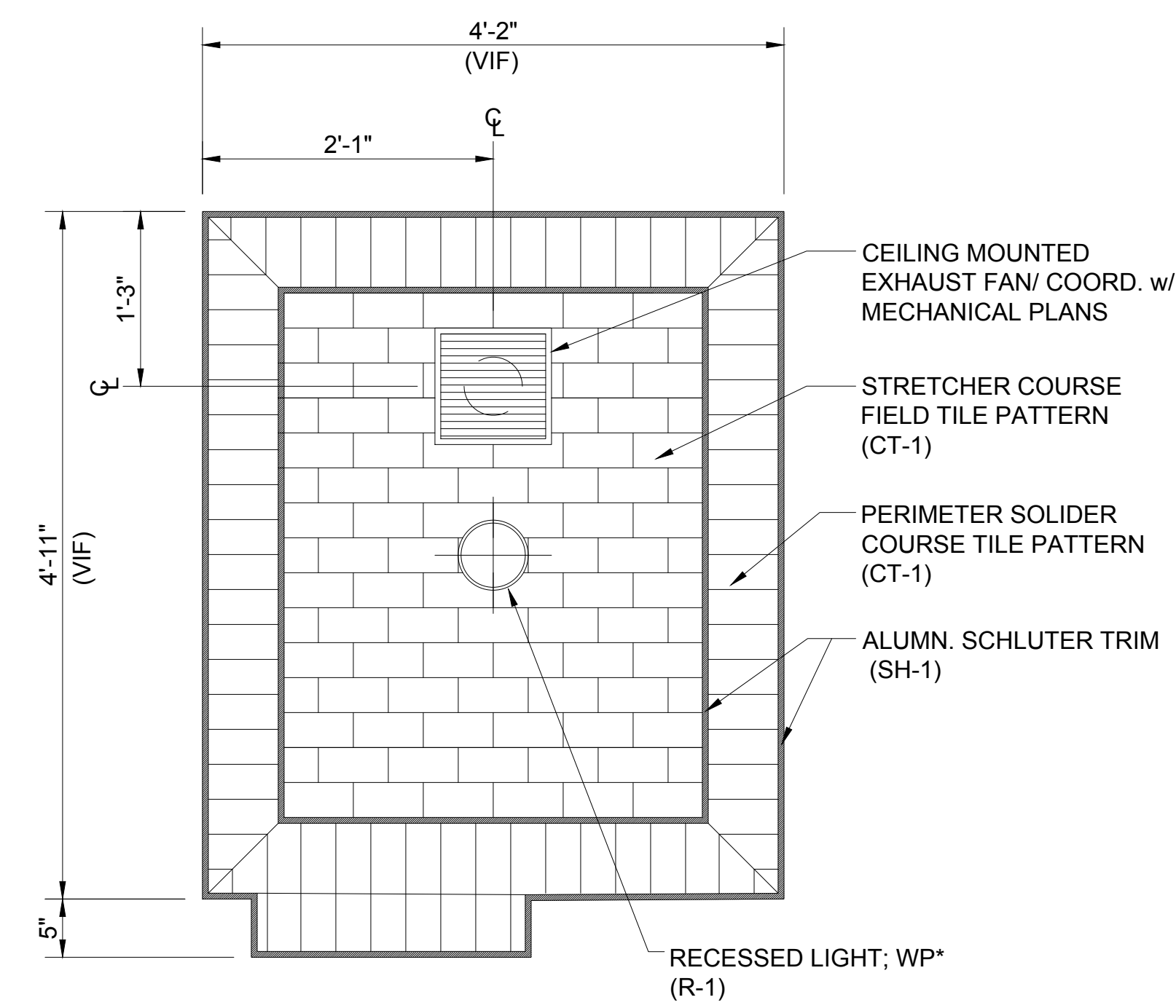
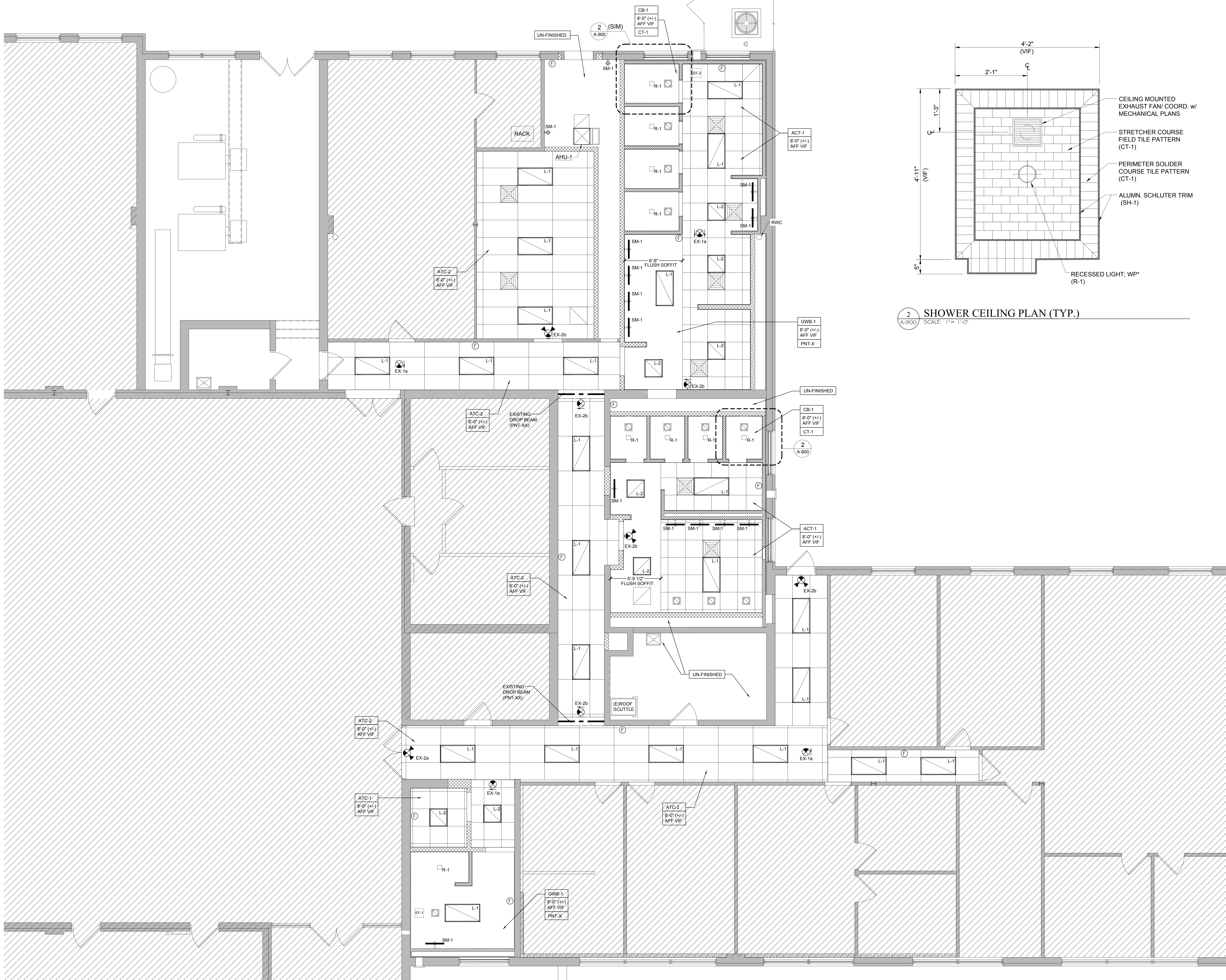
REVISIONS:

ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
INTERIOR DETAILS

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

A-800



2 SHOWER CEILING PLAN (TYP.)
SCALE: 1" = 1'-0"

1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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PROJECT NORTH

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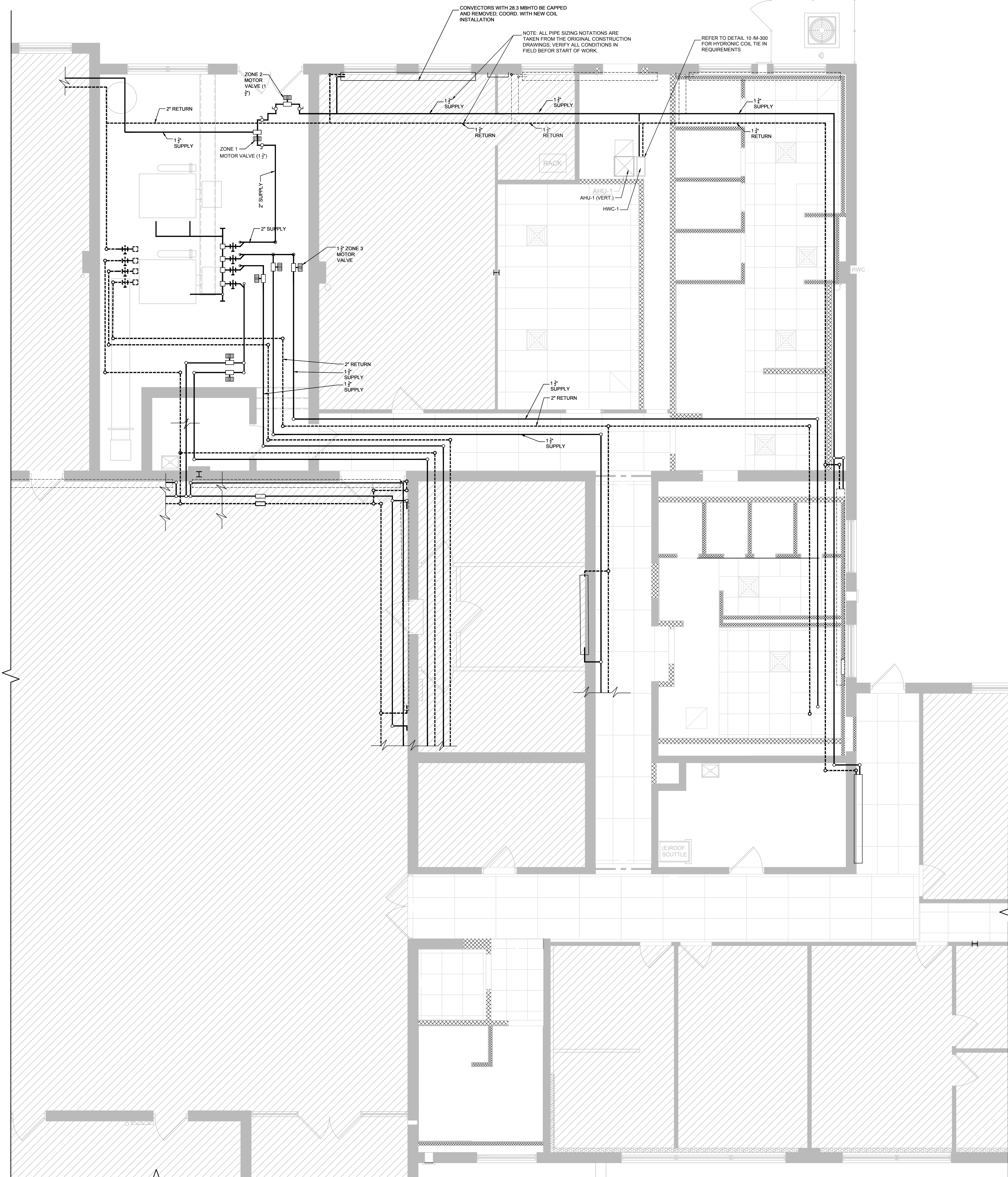
REVISIONS:

ISSUE	DATE	DESCRIPTION

DRAWING TITLE:
REFLECTED
CEILING PLAN

JOB NO.	CM005
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

A-900



CONNECTORS WITH 28.3 MBHTO BE CAPPED AND REMOVED. COORD. WITH NEW COIL INSTALLATION

NOTE: ALL PIPE SIZING NOTATIONS ARE TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. VERIFY ALL CONDITIONS IN FIELD BEFORE START OF WORK.

REFER TO DETAIL 10-M-300 FOR HYDRONIC COIL TIE IN REQUIREMENTS

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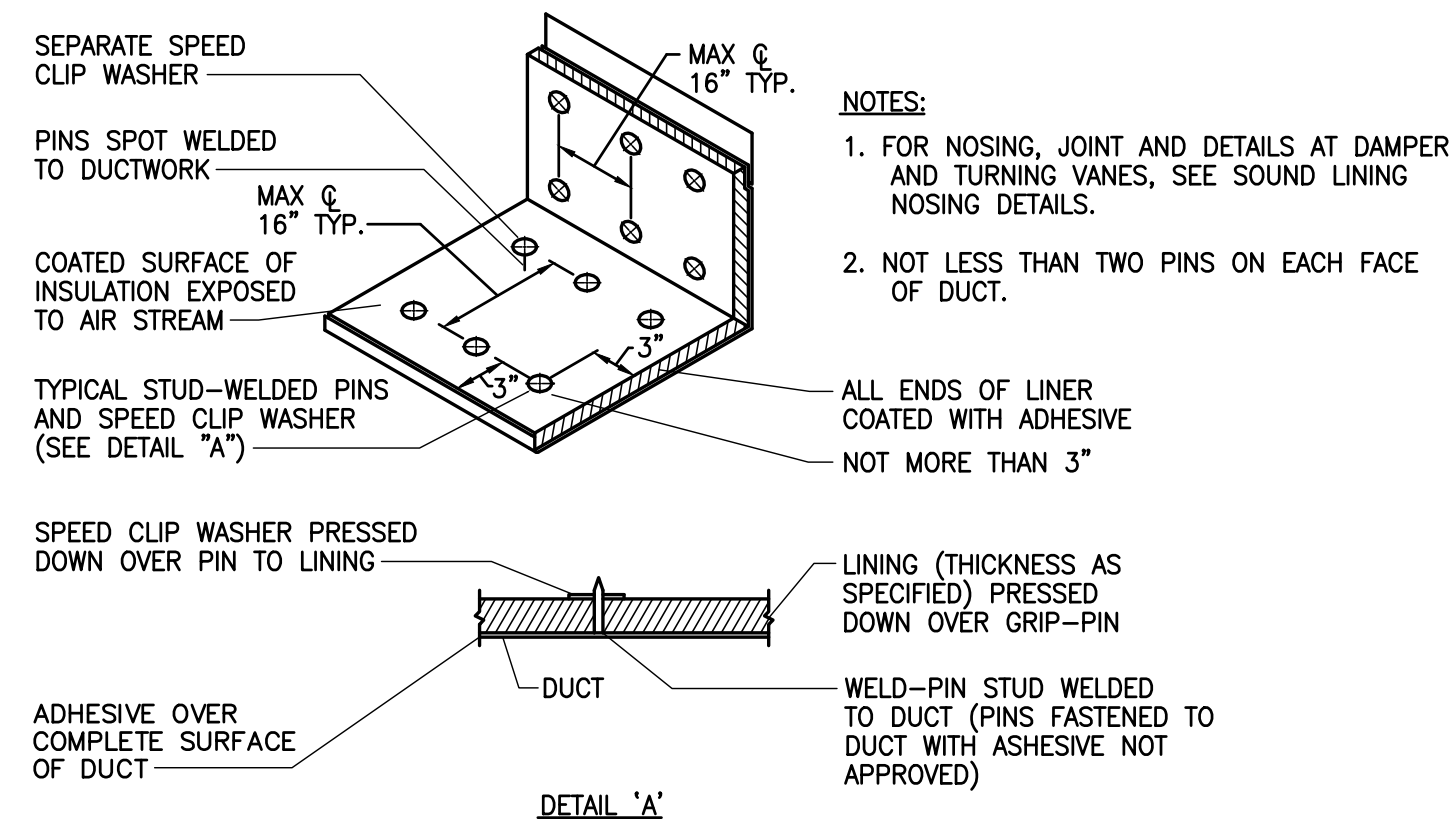


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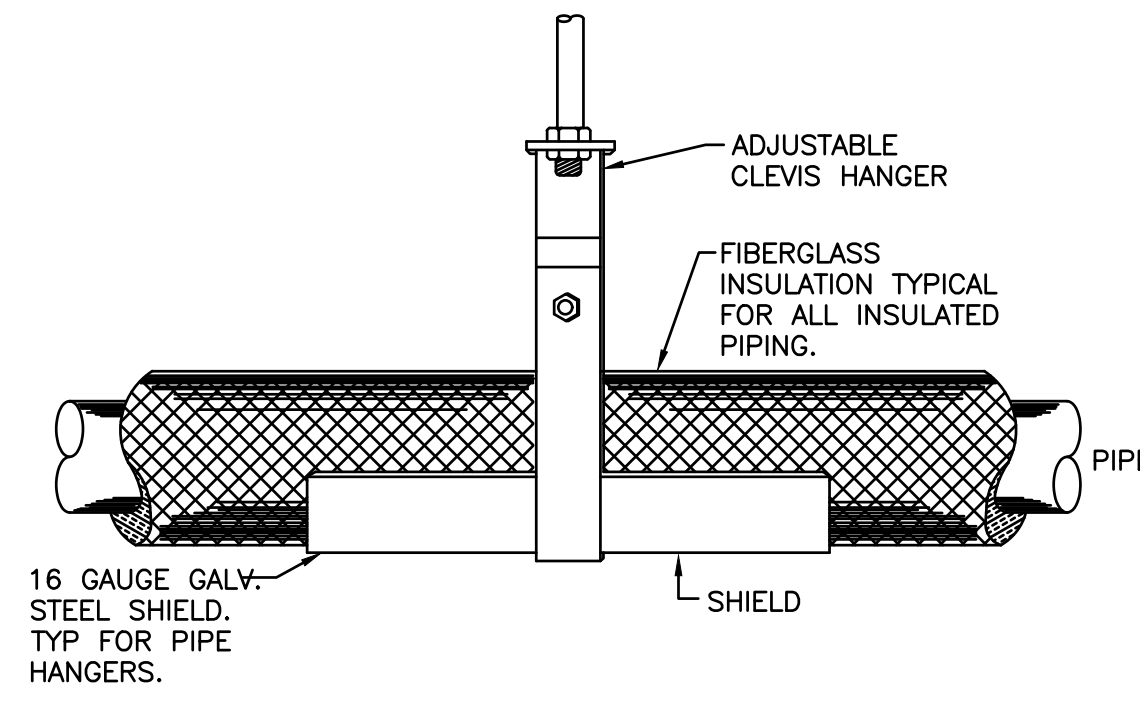
ISSUE	DATE	DESCRIPTION

DRAWING TITLE:
 ZONE 1 HYDRONIC

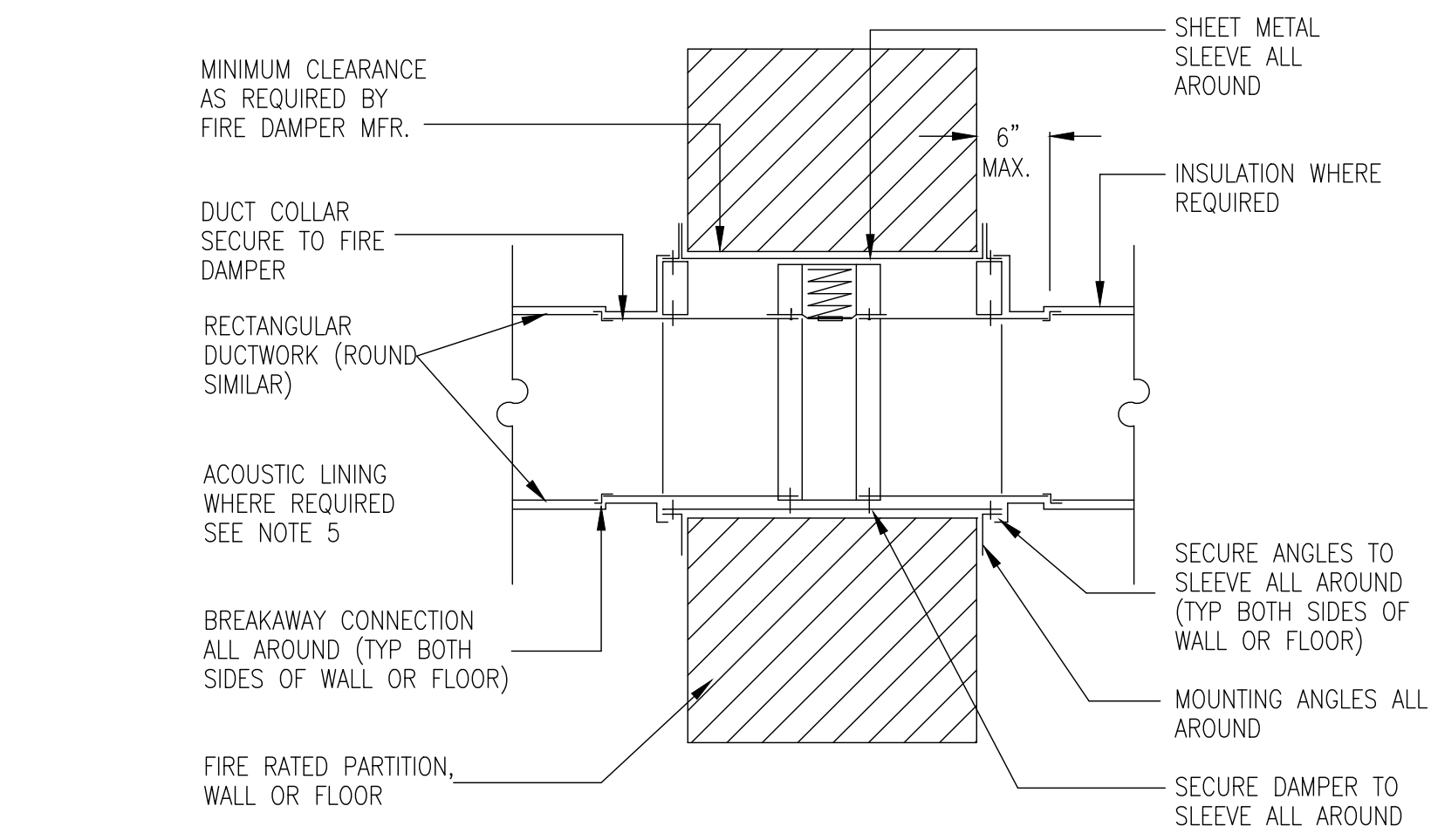
JOB NO.	CM005
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020



12 SOUND LINING INSTALLATION DETAIL
SCALE: N.T.S.



8 HYDRONIC PIPE SUPPORT DETAIL
SCALE: N.T.S.

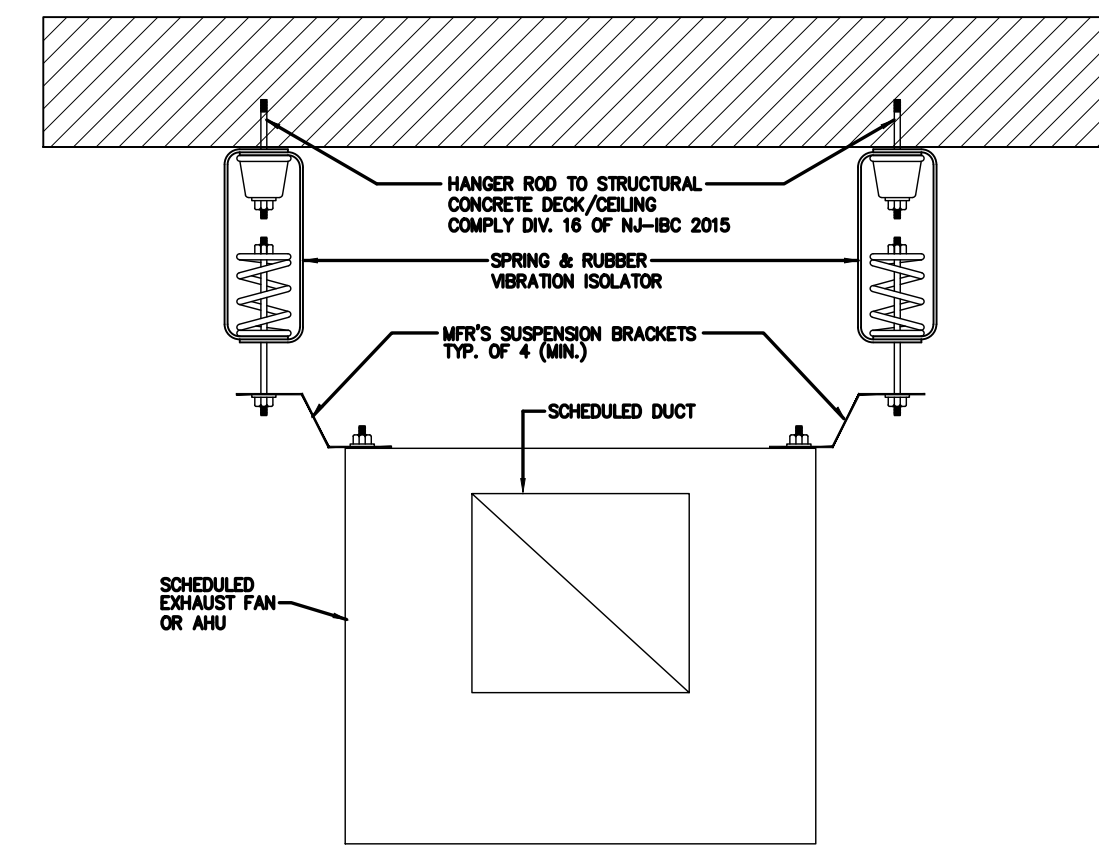


1 EXHAUST FAN SUSPENSION DETAIL
SCALE: NOT TO SCALE

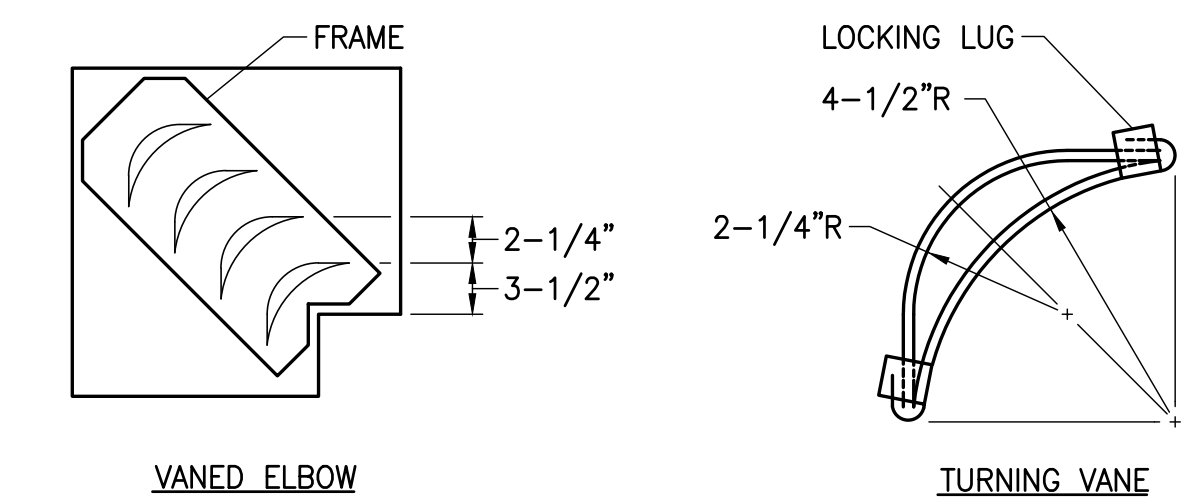
- FIRE DAMPER NOTES:**
- GENERAL ARRANGEMENT SHOWN. INSTALL ALL FIRE DAMPERS IN STRICT ACCORDANCE WITH ALL INSTALLATION PROCEDURES REQUIRED BY THE UNDERWRITERS LABORATORY INC AS FURNISHED BY DAMPER MANUFACTURER.
 - WHERE FIRE DAMPER IS TO BE MOUNTED WITHIN EXISTING WALL OR FLOOR, CUT OPENING AS REQUIRED TO MAINTAIN CLEARANCES STIPULATED BY THE MANUFACTURER BETWEEN WALL OR FLOOR AND SLEEVE.
 - ACCESS DOORS SHALL BE AS LARGE AS POSSIBLE, UP TO 18"X12" MAXIMUM. LOCATE ON MOST ACCESSIBLE SIDE OF DAMPER.
 - GUAGE OF SHEETMETAL SLEEVE, MOUNTING ANGLES, METHOD OF ATTACHMENT, ETC. AS DIRECTED BY FIRE DAMPER MANUFACTURER.
 - EXTERNAL INSULATION IS REQUIRED FROM BREAK-AWAY CONNECTION TO WALL WHEN DUCTWORK IS ACOUSTICALLY LINED.
 - NUMBER INDICATES THE HOURLY FIRE RESISTANCE RATING OF FIRE DAMPER. IF NONE IS SHOWN, THE RATING IS 1 1/2 HOURS.

PIPE SUPPORT SCHEDULE			NOTES:
PIPE SIZE	MODEL NO.	MAX SPACING	
1"	3-R	6'	<ol style="list-style-type: none"> PIPING SHALL BE SUPPORTED AT ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN TABLE. PIPING SHALL BE SLOPED AND ROUTED TO PREVENT TRAPPING CONDENSATE (EXCEPT AT DIRT LEGS) AND TO FACILITATE CONDENSATE DRAINAGE. DO NOT ATTACH PIPE STANDS TO ROOF.
1-1/4"	3-R	6'	
1-1/2"	3-R	6'	
2"	3-R	6'	
2-1/2"	3-R	6'	
3"	3-R	8'	
4"	4-R	8'	

**PIPE SUPPORTS TO COMPLY WITH LOCAL SEISMIC CODE REQUIREMENTS

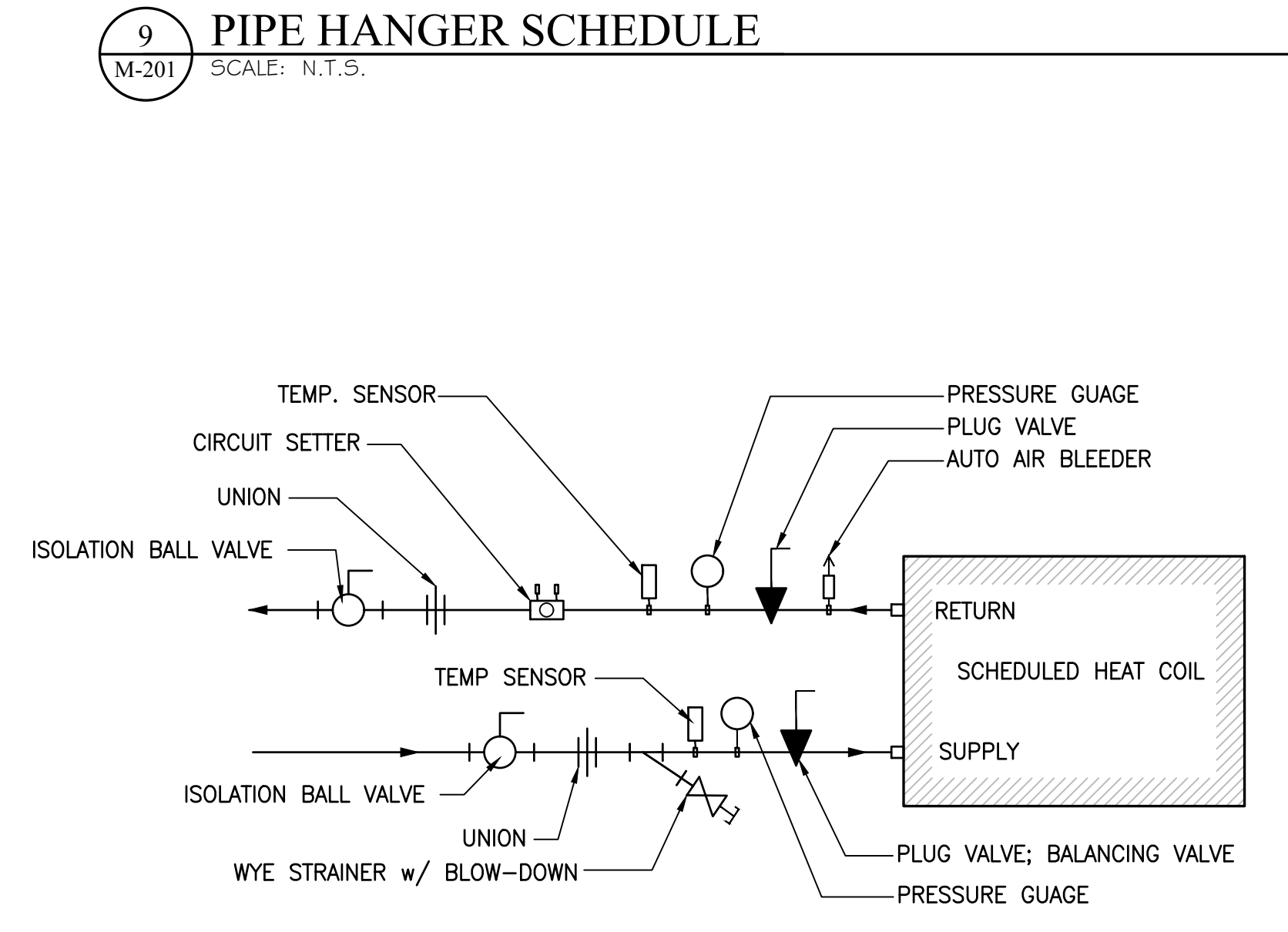


3 VIBRATION ISOLATION DETAIL
SCALE: NOT TO SCALE

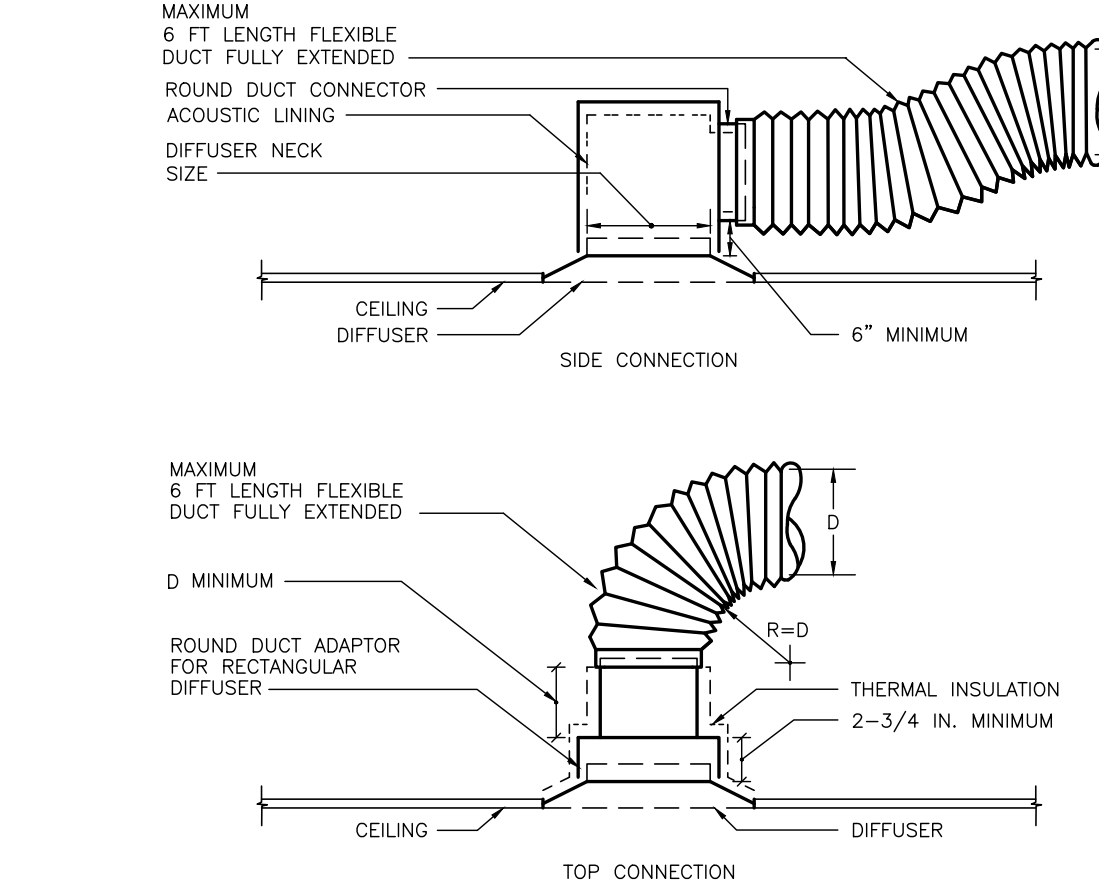


- NOTES:**
- LOCKING LUGS INTEGRAL WITH VANE
 - MAXIMUM UNSUPPORTED VANE LENGTH 48"
 - FRAMES - BOLTED OR RIVETED TO ELBOW
 - VANES AND FRAMES - SAME GAUGE AS ELBOW

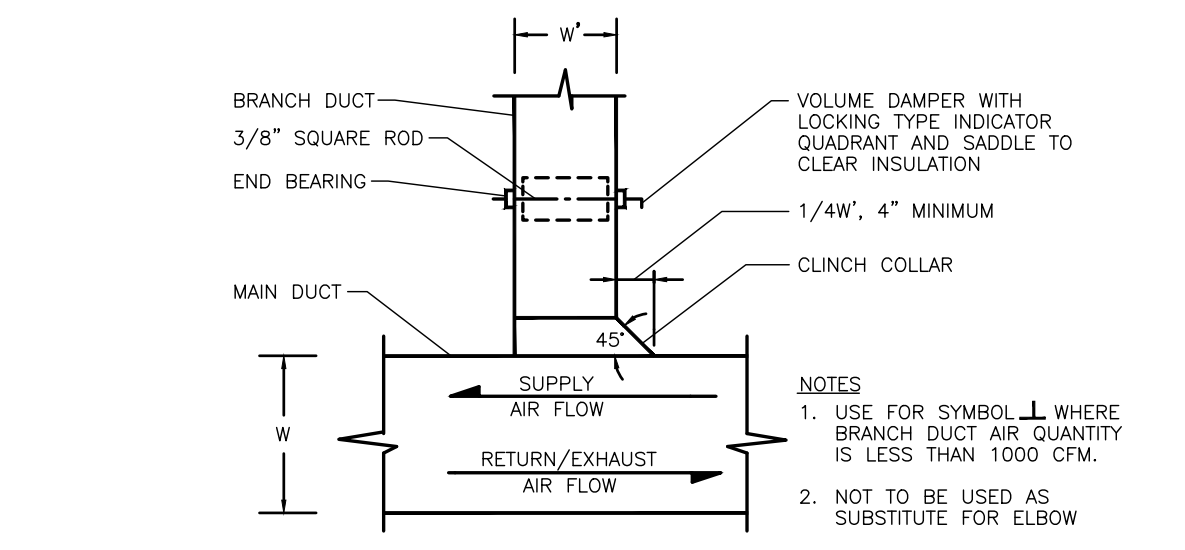
2 TURNING VANES FOR RECT. ELBOWS
SCALE: N.T.S.



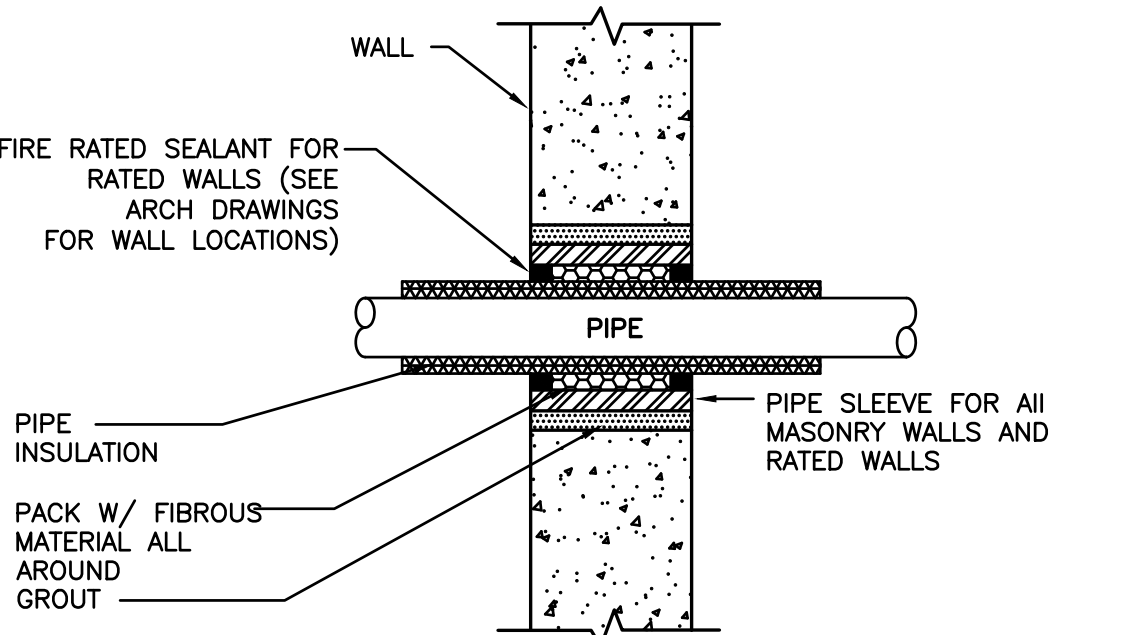
10 TYPICAL RADIATION CONNECTION AT HEAT COIL
SCALE: N.T.S.



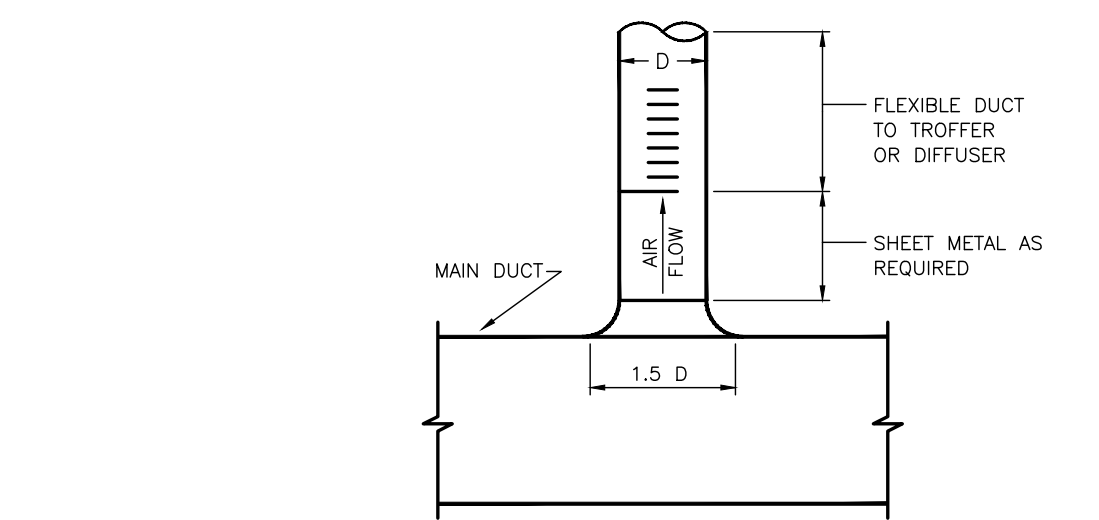
5 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



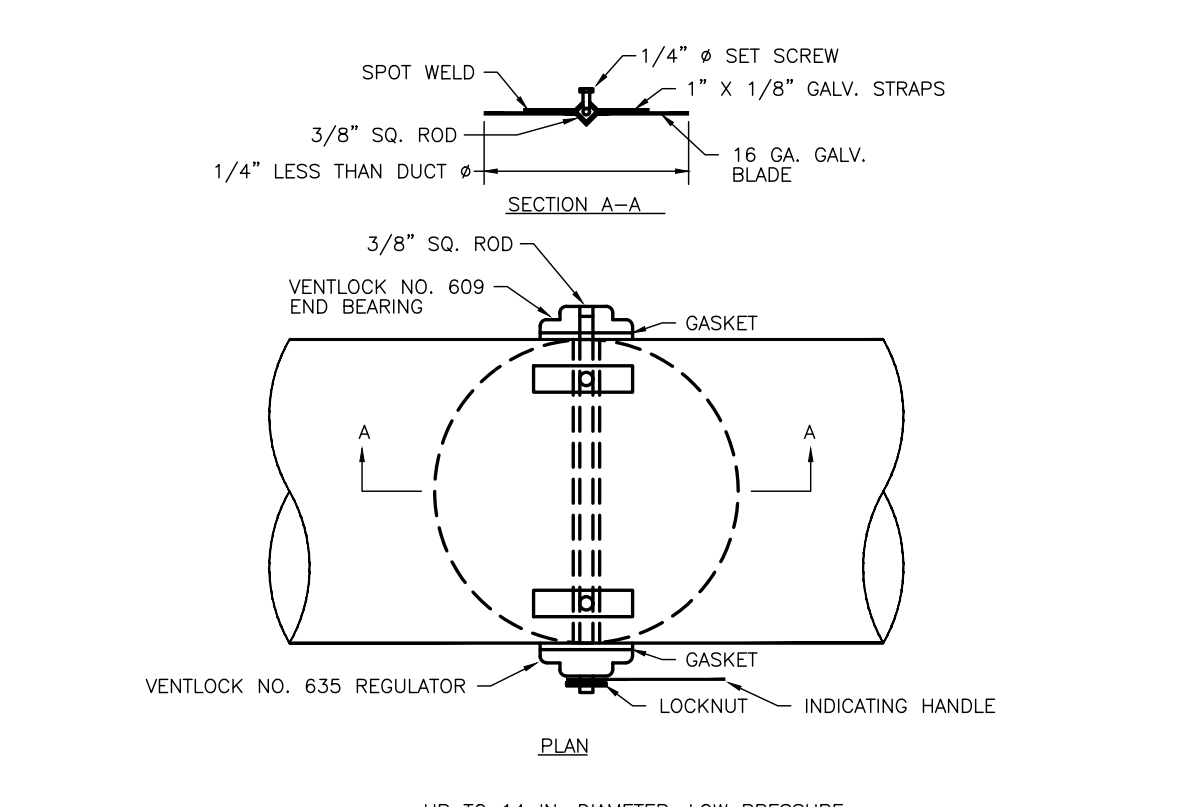
4 RECT. DUCT ANGULAR TAP W/ V. DAMPER
SCALE: NOT TO SCALE



11 PIPE PENETRATION DETAIL
SCALE: N.T.S.



7 CIRCULAR BRANCH CONNECTION
SCALE: NOT TO SCALE



6 ROUND VOLUME DAMPER
SCALE: NOT TO SCALE

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MECHANICAL DETAILS

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SCALE	AS NOTED
DATE	11/01/2020

M-300

ID	FIXTURE	TYPE	MANUFACTURER	MODEL NO.
WC-1	WATER CLOSET	WALL HUNG	AMERICAN STANDARD	Series: AFWALL MILLENIUM 1.6 GPF FLUSHMETER SYSTEM W/ HARD-WIRED FLUSH VALVE Finish: WHITE Model No.: 2257.660 Barrier Free: COMPLIANT
UR-1	URINAL	WALL HUNG	AMERICAN STANDARD	Series: PINTBROOK 0.125 GPF URINAL SYSTEM W/ HARD WIRE-POWERED FLUSH VALVE Finish: WHITE Model No.: 6002.525.020 Barrier Free: COMPLIANT
LAV-1	LAVATORY	UNDER COUNTER	BRADLEY CORP.	Series: WASH-BAR Finish: SELECTED BY ARCHITECT Model No.: LD-5010-1-MOD-WB-TR1 Barrier Free: COMPLIANT
FV-1	FLUSH VALVE	--	AMERICAN STANDARD	Series: SELECTRONIC SENSOR-OPERATED TOILET FLUSH VALVE; HARD WIRED AC POWER, BASE MODEL Finish: CHROME Model No.: 606B.161 Barrier Free: COMPLIANT
LAV-1	FAUCET WASH BAR	SURFACE MOUNTED	BRADLEY CORP.	Series: WASH-BAR DUO ALL-IN-ONE; CLEAN, RINSE, DRY Finish: STAINLESS STEEL Model No.: WB1-A50-LSD (OR FSD) TMA-S-CHROME-WASHBAR KIT. Barrier Free: COMPLIANT
SHR-1	SHOWER PANEL COMBO	RECESSED MOUNTED	BRADLEY CORP.	Series: CHASE MOUNTED SX PANEL SHOWER Finish: STAINLESS STEEL Model No.: SXWS9551 Barrier Free: N/A
SHR-2	SHOWER PANEL COMBO	RECESSED MOUNTED	BRADLEY CORP.	Series: RECESSED MOUNTED ADA COMPLIANT WALL SHOWER/SEAT Finish: STAINLESS STEEL Model No.: HN200 (ADA-SHOWER/SEAT) Barrier Free: COMPLIANT
FD-1	TRENCH DRAIN	RECTANGULAR GRATE	SCHLUTER KERDI-DRAIN	Series: COMMERCIAL S.S. W/ 70" LINEAR GRATE Finish: STAINLESS STEEL Model No.: KLV 60 E 180 KLB 19 EB 180 (B) Barrier Free: COMPLIANT
FD-2	FLOOR DRAIN	SQUARE GRATE	SCHLUTER KERDI-DRAIN	Series: COMMERCIAL 6" S.S. SQUARE GRATE (6E) Finish: STAINLESS STEEL Model No.: KDA/E/6E Barrier Free: COMPLIANT
FD-3	FLOOR DRAIN	SQUARE GRATE	SCHLUTER KERDI-DRAIN	Series: COMMERCIAL 6" S.S. SQUARE GRATE (6E) Finish: STAINLESS STEEL Model No.: 6 CE Barrier Free: COMPLIANT
FCO	FLOOR CLEAN OUT	SQUARE GRATE	SCHLUTER KERDI-DRAIN	Series: 6" COMMERCIAL S.S. GRATE Finish: STAINLESS STEEL Model No.: 6 CE Barrier Free: COMPLIANT
MR-1	MOP RECEPTOR	28" FLOOR MTD W/ DROP FRONT	AMERICAN STANDARD	Series: FLORWELL 28 X 28 IN SERVICE SINK Finish: CAST IRON/ WHITE Model No.: MF # 7741000.020 Barrier Free: ---
MR-1*	MOP RECEPTOR FAUCET	WALL MOUNT	AMERICAN STANDARD	Series: RIGID UTILITY SINK FAUCET/ VANDAL RESISTANT Finish: ROUGH CHROME FINISH Model No.: MF # 8350235.004 Barrier Free: ---

No.	FIXTURE	TRAP	DRAIN	DFUs	VENT	CW	CWFUs	HW	HWFU's	REMARKS
WC-1	WATER CLOSET (FV)	INTEGRAL	4"	6	2"	1.25"	8	-	-	WALL MTD.
WC-1A	WATER CLOSET (FV)	INTEGRAL	4"	6	2"	1.25"	8	-	-	PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS FIXTURE WALL MOUNTED
UR-1	URINAL	INTEGRAL	2"	5	1.25"	.75"	5	-	-	
CTL-1	COUNTER TOP LAVATORY	1.25"	1.25"	1	1.25"	0.5"	0.8	0.5"	0.8	
CTL-2	COUNTER TOP LAVATORY	1.25"	1.25"	1	1.25"	0.5"	0.8	0.5"	0.8	
SK-1	SINK	1.5"	1.5"	2	1.25"	0.5"	1.1	0.5"	1.1	SINK W/ DISPOSER
SK-2	SINK	1.5"	1.5"	3	1.25"	0.5"	1.1	0.5"	1.1	SINK W/ DISPOSER & DISHWASHER
SHR-1	SHOWER	2"	2"	2	1.25"	0.5"	1.5	0.5"	1.5	
SHR-1A	SHOWER	2"	2"	2	1.25"	0.5"	1.5	0.5"	1.5	PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS FIXTURE
SS-1	SERVICE SINK	3"	3"	3	1.25"	0.5"	2.3	0.5"	2.3	
EW-1	ELECTRIC WATER COOLER	1.25"	1.25"	0.5	1.25"	0.5"	0.5	-	-	
FD-1	FLOOR DRAIN	3"	3"	0	1.5"	-	-	-	-	
FD-2	FLOOR DRAIN	3"	3"	3	1.5"	-	-	-	-	
TD-1	TRENCH DRAIN	3"	3"	4	2"	-	-	-	-	
TD-2	TRENCH DRAIN	3"	3"	4	2"	-	-	-	-	

NOTES: ALL SIZES SHOWN ARE MINIMUMS, SEE PLANS FOR EXCEPTIONS.
NOT ALL FIXTURES LISTED MAY APPEAR ON PLANS

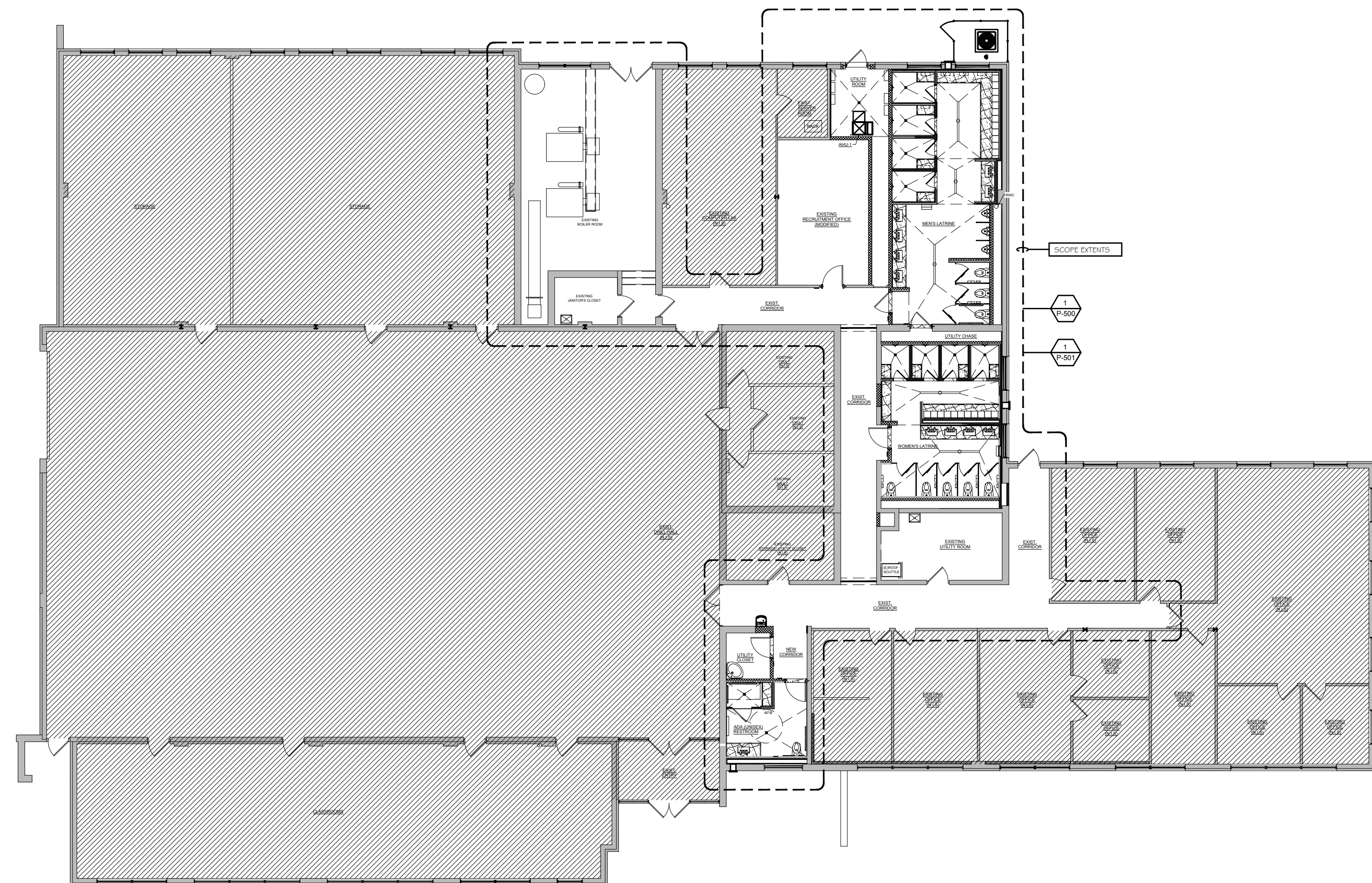
No.	ITEM & MANUFACTURER	LOCATION	CAPACITY	ELECTRICAL REQUIREMENTS	NOTES & REMARKS
DWH-1-6	DOMESTIC WATER HEATERS (6) RHEEM, MODEL RTR-WH630 DIVALN W/ DIRECT VENT, SFP0908E, POLYPROPYLENE DIRECT VENT AND AIR INTAKE	CLOSET	22.5 GALLONS PER MINUTE TOTAL @ 100 DEGREES F DELTA T (199,000 BTU's NATURAL GAS EACH 4" TO 10" WC)	115V-60HZ-1PH	PROVIDE E2 LINK MANIFOLD HEATER CONTROLS, FOR HOT WATER RETURN PUMP CIRCULATION, ECONET LEAK DETECTION PD 415190, AND CONDENSATE NEUTRALIZATION FOR EACH HEATER.
HWRP-1	HOT WATER RETURN PUMP, TACO, 098-SC4-1PMP	CLOSET	4GPM @ 8 FT. HEAD (3/4" UNION CONNECTION)	115V-60HZ-1PH, 3250 RPM, 1/40HP 0.52 AMPS	INTERGRAL ANALOG TIME CLOCK, & 6' POWER CORD
ET-1	EXPANSION TANK, THERM-X- TRXL, ST-20C	CLOSET	TOTAL VOLUME 8.0 GALS.	NONE	
BV-1	THERM-OMEGA-TECH, CIRCUIT SOLVER, CS-12"130	ABOVE CEILING	Cv 1.3 OPEN, 0.2 CLOSED, DESIGN 0.6	NONE	

PLUMBING GENERAL NOTES	
1.	PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND VERIFY AND BECOME FAMILIAR WITH RELATIVE LOCATIONS AND EXISTING CONDITIONS. BIDS SUBMITTED WILL BE INTERPRETED TO MEAN THAT THE CONTRACTOR VISITED THE SITE AND ALL COST AND CHARGES MADE NECESSARY BY THE EXISTING CONDITIONS ARE INCLUDED.
2.	DRAWINGS INDICATE GENERAL LOCATION OF WORK INCLUDED. PLUMBING CONTRACTOR SHALL COORDINATE LOCATION OF WORK WITH ALL OTHER TRADES. COORDINATE THE FINAL LOCATION OF THE PLUMBING FIXTURES WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS.
3.	PROVIDE ALL FIXTURES, AND EQUIPMENT IN CONFORMANCE WITH MANUFACTURERS RECOMMENDATIONS AND AUTHORITY HAVING JURISDICTION. COORDINATE ALL ROUGH-IN INFORMATION WITH FIXTURE AND EQUIPMENT SUPPLIERS.
4.	PROVIDE HANDICAPPED FIXTURES IN CONFORMANCE WITH THE AMERICANS DISABILITY ACT (ADA). INSULATE ALL PIPING BELOW ADA FIXTURES. COORDINATE COLORS WITH ARCHITECT WHERE INDICATED.
5.	INSTALL ISOLATION VALVES ON ALL BRANCH PIPING UNLESS OTHERWISE NOTED. PROVIDE SHUT OFF VALVES TO ALL FIXTURES AND EQUIPMENT.
6.	PROVIDE WATER HAMMER ARRESTERS ON DOMESTIC WATER PIPING IN CONFORMANCE WITH THE PLUMBING AND DRAINAGE INSTITUTE.
7.	CONNECT ALL SERVICE BRANCHES TO TOP OF SERVICE MAINS WHERE POSSIBLE. PROVIDE DRAIN VALVES AT ALL LOW POINTS IN SERVICE SYSTEMS.
8.	INSULATE ALL DOMESTIC COLD WATER, HOT WATER PIPING WITH 1" THICK FIBERGLASS PIPE INSULATION AND ALL PURPOSE PVC JACKET OR AS SPECIFIED.
9.	SLOPE ALL WASTE PIPING IN CONFORMANCE WITH APPLICABLE CODES AND THE AUTHORITY HAVING JURISDICTION. USE 1/4" PER FOOT UNLESS OTHERWISE NOTED.
10.	SUPPORT ALL PIPING IN CONFORMANCE WITH MSS-59 AND THE AUTHORITY HAVING JURISDICTION.
11.	ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIRESTOPPING SYSTEM TO MATCH THE RATING OF THE WALL OR FLOOR.
12.	PROVIDE NEC REQUIREE PIPE CLEARANCE ABOVE OR AROUND ANY ELECTRICAL EQUIPMENT, PANES ETC.
13.	WHERE CONNECTING TO EXISTING PIPING SYSTEMS, INSPECT PIPING FOR DEFECTS. NOTIFY OWNERS REPRESENTATIVE IF EXISTING PIPING IS FOUND TO BE IN UNSATISFACTORY CONDITION TO DETERMINE IF REPLACEMENT IS NECESSARY.
14.	COORDINATE ALL SYSTEM SHUT DOWN TIMES WITH OWNERS REPRESENTATIVE.
15.	IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT FACILITY SERVICES TO AREAS NOT IN SCOPE OR UNDER CURRENT CONSTRUCTION PHASE ARE NOT INTERRUPTED EXCEPT BY SCHEDULED SHUT-DOWN COORDINATED WITH THE OWNER. PROVIDE TEMPORARY PIPING, ETC. AS REQUIRED TO OTHER AREAS OF THE FACILITY IN OPERATION IF THEIR SERVICES WILL BE INTERRUPTED BY THE WORK UNDER THIS CONTRACT. THIS INCLUDES, BUT IS NOT LIMITED TO, PROVIDING TEMPORARY PIPING, DRAINAGE, ETC.
16.	PLUMBING WORK SHALL BE DONE AT SUCH TIME, AND IN SUCH MANNER, AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF THE BUILDING ACTIVITIES AND WILL NOT INTERFERE WITH THE QUIET ENJOYMENT OF THE BUILDING BY OTHER TENANTS.

PIPE LOCATION NOTES	
1	CONCEALED IN CEILING SPACE ABOVE
2	EXPOSED ON STRUCTURE ABOVE
3	CONCEALED IN CEILING SPACE, BELOW FLOOR
4	EXPOSED ON STRUCTURE, BELOW FLOOR
5	BELOW GRADE
6	RACK ON WALL, BELOW COUNTER TOP
7	ABOVE FLOOR
8	RUN THROUGH OR BETWEEN BAR JOIST
9	CONCEALED BELOW RAISED FLOOR

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
BUDS	BUILDING
CA	COMPRESSED AIR
CB&V	CURB BOX & VALVE
CIP	CAST IRON PIPE
CLG	CEILING
CO	CLEANOUT
CONN	CONNECTION
CTL	COUNTERTOP LAVATORY
CTS	COUNTERTOP SINK
CW	COLD WATER
CWFU	COLD WATER FIXTURE UNIT
DI	DEIONIZED WATER
DN	DOWN
DWG	DRAWING
DW	DISHWASHER
DFU	DRAINAGE FIXTURE UNIT
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
EQUIP	EQUIPMENT
(E)	EXISTING ITEM
(ED)	EXISTING ITEM TO BE DEMOLISHED
(ER)	EXISTING ITEM TO BE RELOCATED
EW	ELECTRIC WATER COOLER
FA	FLOOR ABOVE
FB	FLOOR BELOW
FOO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IN	INLET
INV	INVERT ELEVATION
LA	LABORATORY AIR
LAV	LAVATORY
LDR	LEADER
MH	MANHOLE
MA	MEDICAL AIR
MC	MECHANICAL CONTRACTOR
MR	MOP RECEPTOR
(N)	NEW
N	NITROGEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N ₂ O	NITROUS OXIDE
NOT TO SCALE	NOT TO SCALE
NP	NON POTABLE
O ₂	OXYGEN
PC	PLUMBING CONTRACTOR
PF	POLYPROPYLENE
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
PVC	POLY VINYL CHLORIDE
(RL)	RELOCATED ITEM
RWC	RAINWATER CONDUCTOR
SAW	SANITARY
SK	SINK
S	STACK
SHR	SHOWER
SS	SERVICE SINK
TB	THRUST BLOCK
TDH	TOTAL DYNAMIC HEAD
UR	URINAL
V	VENT
VAC	VACUUM
VF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WALL
W/O	WALL CLEANOUT
W/	WITH
W/O	WITH OUT
W.C.	WATER COLUMN
WC	WATER CLOSET

PLUMBING LEGEND	
---	COLD WATER PIPING
---	HOT WATER PIPING
---	HOT WATER RECIRCULATION PIPING
---	SANITARY OR WASTE PIPING
---	STORM WATER PIPING
---	VENT PIPING
---	INDIRECT WASTE PIPING
X	SPECIAL PIPING SYSTEM (G, CA, ETC. LETTER DENOTES SERVICE)
---	PIPING W/ FREEZE PROTECTION
---	COLD WATER PIPING (EXISTING)
---	COLD WATER FIXTURE UNIT (EXISTING)
---	HOT WATER PIPING (EXISTING)
---	HOT WATER RECIRCULATION PIPING (EXISTING)
---	SANITARY OR WASTE PIPING (EXISTING)
---	STORM WATER PIPING (EXISTING)
---	VENT PIPING (EXISTING)
---	INDIRECT WASTE PIPING (EXISTING)
X	EXISTING PIPING (G, CA, ETC. LETTER DENOTES SERVICE)
---	CLEANOUT
---	FLOOR CLEANOUT
---	CLEANOUT AT GRADE (W/CONC PAD)
---	GATE VALVE (IN VERTICAL)
---	BALL VALVE
---	CHECK VALVE
---	FLOW BALANCING VALVE (HWR SYSTEMS)
---	BUTTERFLY VALVE
---	PLUG VALVE
---	GLOBE VALVE
---	"RP2" BACKFLOW PREVENTER W/ BALL VALVES
---	DOUBLE CHECK BACKFLOW PREVENTER (BALL VALVES)
---	DOUBLE CHECK BACKFLOW PREVENTER (GATE VALVES)
---	GAS COCK
---	PRESSURE REGULATING VALVE
---	SOLENOID VALVE
---	RELIEF VALVE (PRESSURE & TEMPERATURE)
---	TRAP
---	PIPE DROP
---	ELBOW TURNED DOWN
---	ELBOW TURNED UP OR RISER
---	PIPE CAP
---	45° OFFSET OR DROP
---	STRAINER
---	REDUCER (CONCENTRIC / ECCENTRIC)
---	PLUMBING CONTRACTOR WATER HAMMER ARRESTER
---	TRAP PRIMER
---	BOX TYPE HYDRANT (NON FREEZE)
---	FAUCET/NEEDLE VALVE CONNECTION (LETTER DENOTES SERVICE)
---	QUICK DISCONNECT (LETTER DENOTES SERVICE)
---	HOSE BIBB
---	UNION
---	PIPE GUIDE & PIPE ANCHOR
---	PRESSURE GAUGE W/ NEEDLE VALVE
---	THERMOMETER, TEMPERATURE GAUGE
---	FLOOR DRAIN
---	FLOOR DRAIN W/ FUNNEL
---	ROOF DRAIN
---	EXISTING PIPING TO BE REMOVED
---	DIRECTION OF FLOW
---	CONNECT TO EXISTING
---	EXTENT OF DEMOLITION
---	PLUMBING EQUIPMENT DESIGNATOR
---	SANITARY STACK NUMBER
---	WASTE STACK NUMBER
---	VENT STACK NUMBER
---	GAS RISER NUMBER
---	GREASE WASTE RISER
---	RAINWATER CONDUCTOR NUMBER
---	COLD WATER WATER RISER NUMBER
---	HOT WATER RISER NUMBER
---	DETAIL DESIGNATION
---	SECTION DESIGNATION



1 OVERALL PLUMBING KEY PLAN
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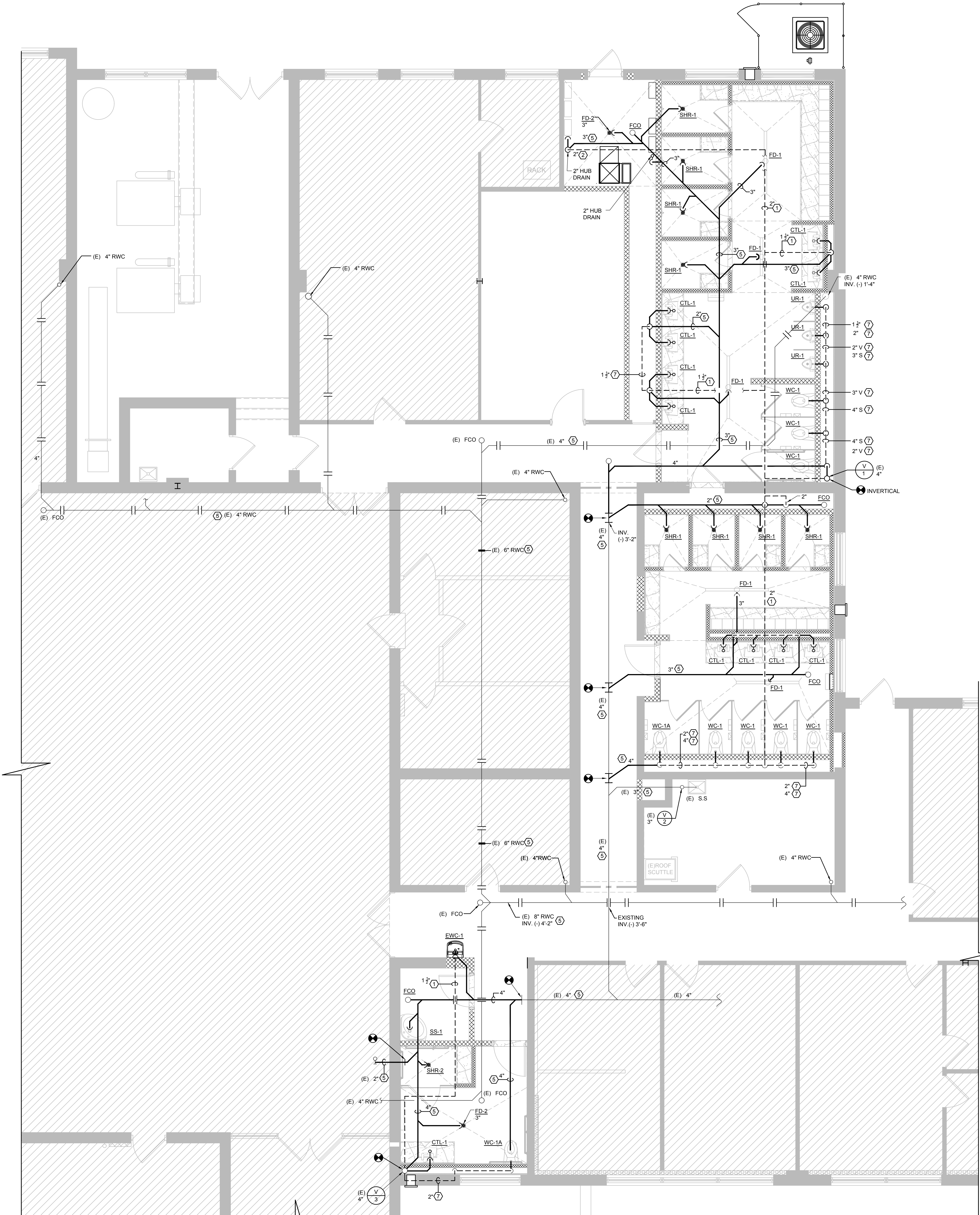


REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
PLUMBING COVER SHEET

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

P-100



1 PLUMBING PLAN
 P-500 SCALE: 1/4" = 1'-0"

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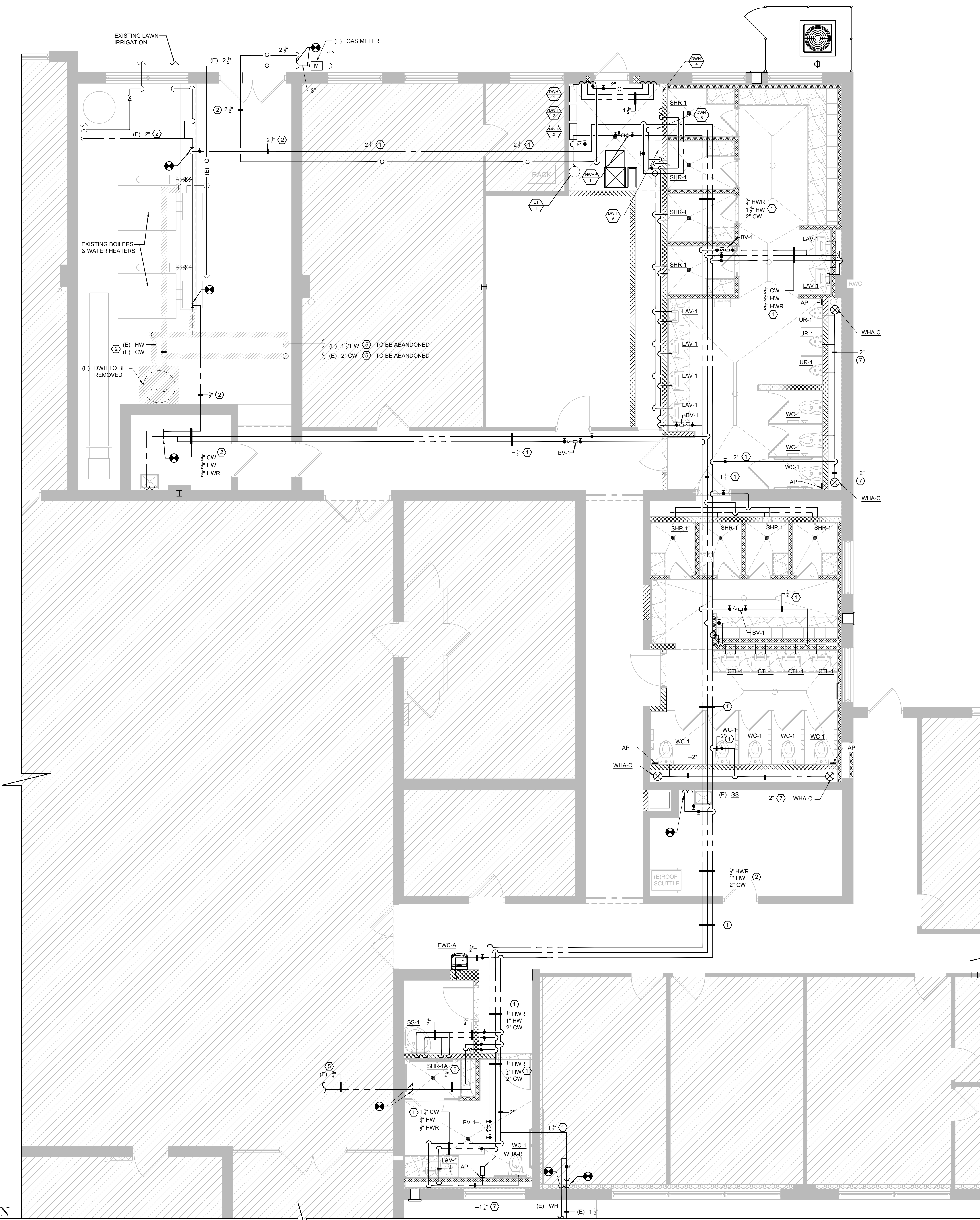
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ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
 PLUMBING PLANS

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

P-500



1 PLUMBING PLAN
P-501 SCALE: 1/4" = 1'-0"

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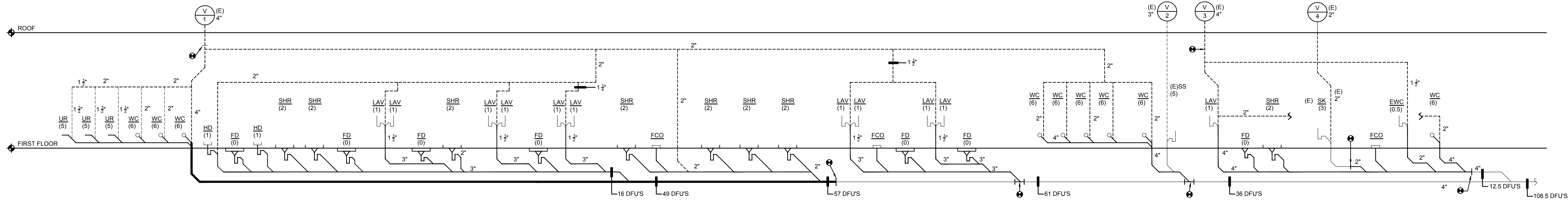
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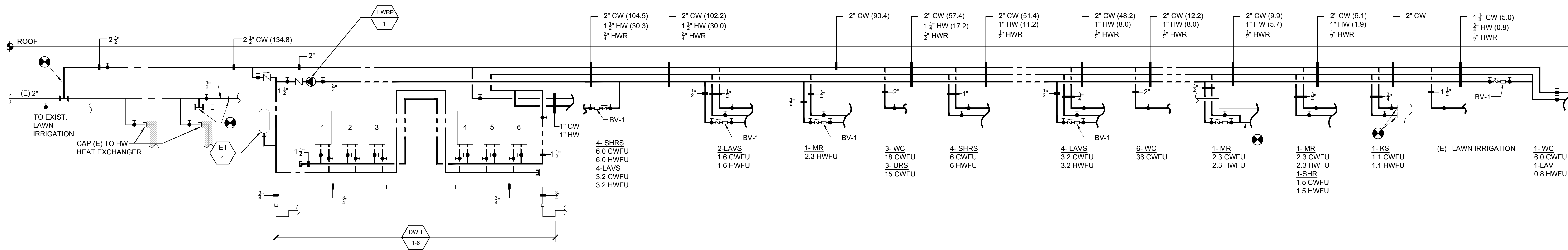
DRAWING TITLE:
PLUMBING
WATER PIPING PLANS

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

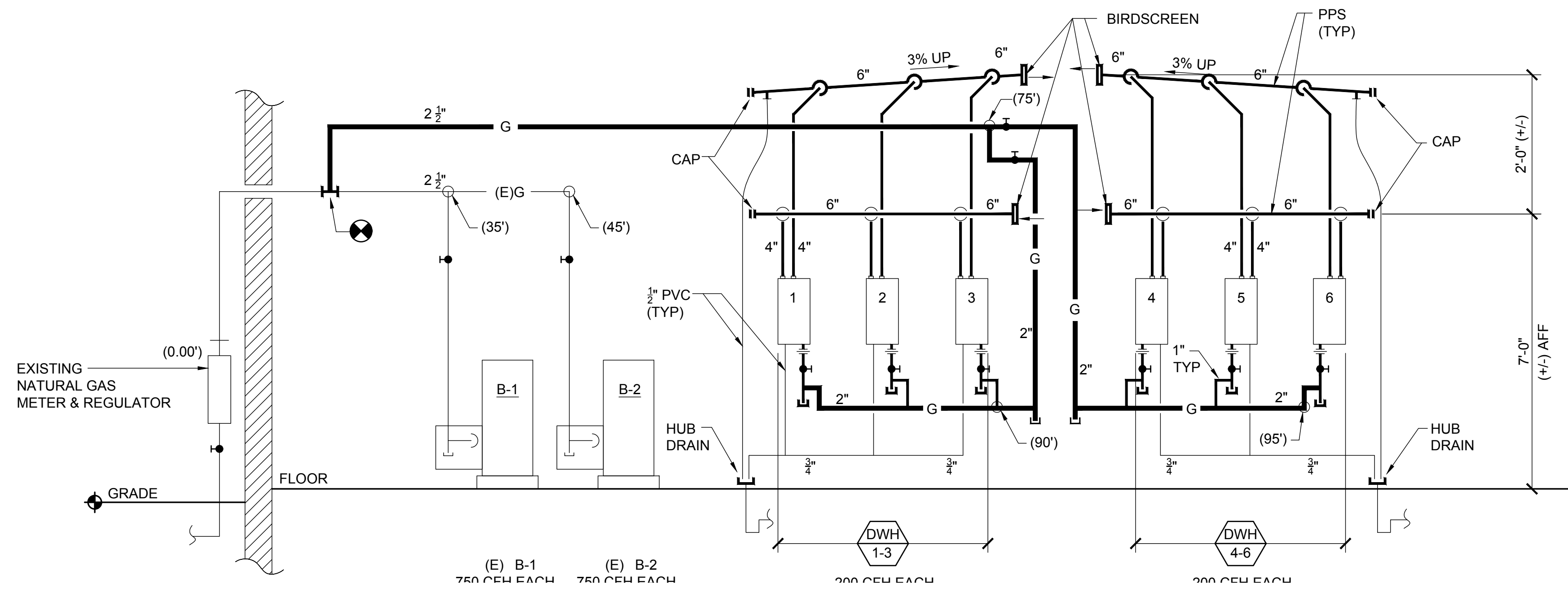
P-501



1 SANITARY RISER DIAGRAM
P-600 SCALE: N.T.S.



2 DOMESTIC WATER DIAGRAM
P-600 SCALE: N.T.S.



NATURAL GAS	
INLET PRESS:	2.0 PSI MAX
PRESS DROP:	0.5
SPEC. GRAV.:	0.60

IFGC
INTERNATIONAL FUEL GAS CODE IN W.C.
402.4 (2)

3 NATURAL GAS RISER DIAGRAM
P-600 SCALE: N.T.S.

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DRAWING TITLE:
RISER DIAGRAMS

JOB NO.	CM002
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P-600



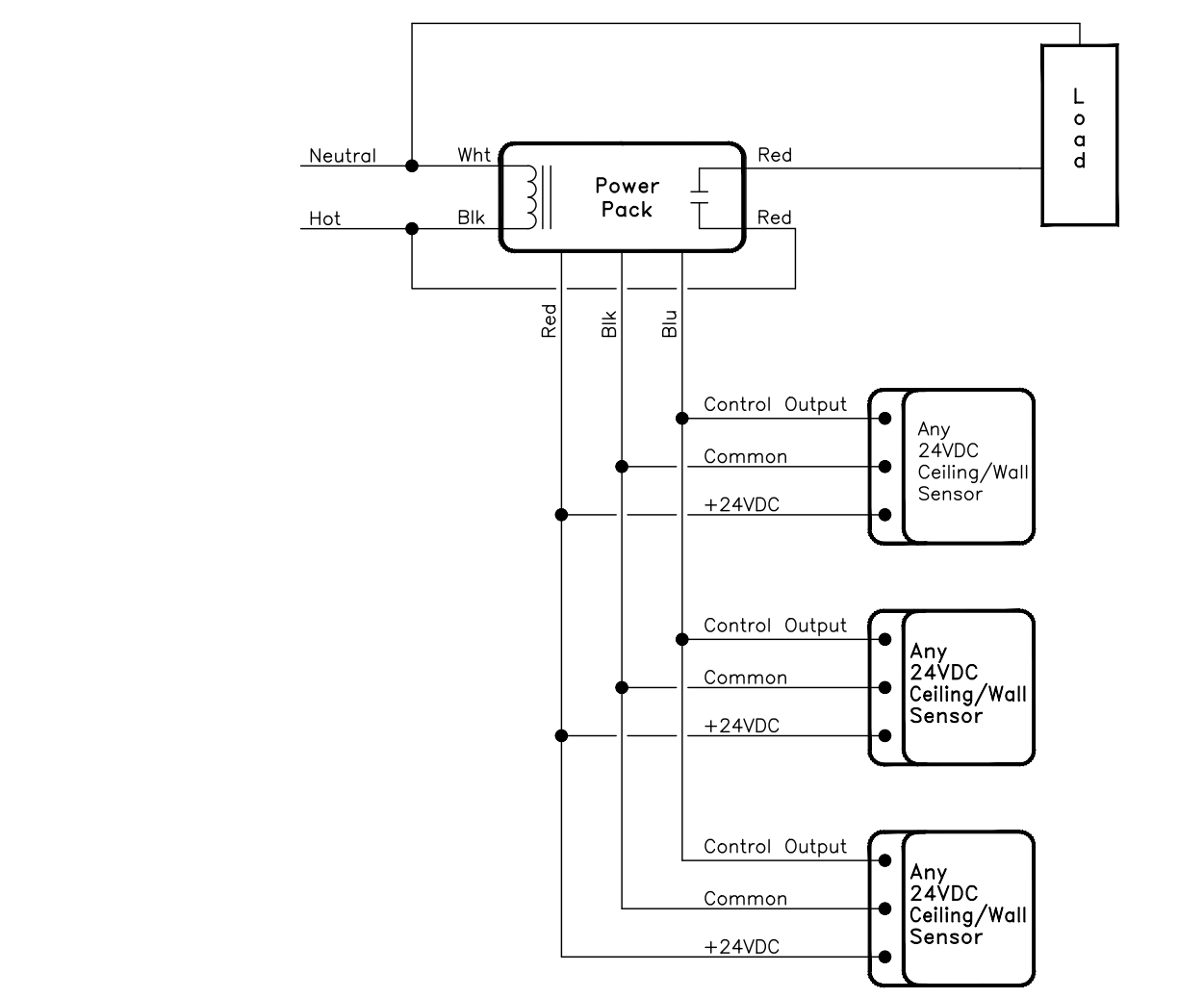
LIGHT FIXTURE SCHEDULE

MARK	SYMBOL	TYPE	SIZE	MANUFACTURER	MODEL #	FINISH	WATTAGE	COLOR TEMP	VOLTAGE	FIXTURE RATINGS	MOUNTING HEIGHT
SM-1	[Symbol]	WALL/SURFACE MOUNTED	20"	OMILED VISTA BATH BAR	WACP153404	BRUSHED ALUMINUM	21 WATT (1050 LUMENS)	3,000 K	120 V 277 V INTEGRATED LED	DAMP	--
SM-2	[Symbol]	LED OUTDOOR WALL PACK WITH INTEGRAL PHOTOCELL	8"x11"	HUBBELL	NRG-356L-SK-U	BRONZE	17 WATT (1800 LUMENS)	5,000 K	120 V	OUTDOOR	--
R-1	[Symbol]	RECESSED	3"	HALO 3" LED LENSED SHOWER LIGHT WITH REMOTE DRIVER IN ACCESSIBLE CLG	HLB35-05-940-1E-MW	WHITE	(500 LUMENS)	4,000 K	120 V	WET & DAMP	--
L-1	[Symbol]	LAY-IN / SURFACE MT LED ULTRA THIN PANEL	2' x 2'	METALUX AP	22 FP LED	WHITE	--	4,000 K	120 V 277 V DRIVER W/ 0-10V DIMMING	INDOOR/ DAMP	--
L-2	[Symbol]	LAY-IN / SURFACE MT LED ULTRA THIN PANEL	2' x 4'	METALUX AP	24FP LED	WHITE	--	4,000 K	120 V 277 V DRIVER W/ 0-10V DIMMING	INDOOR/ DAMP	--
OS A, Z	[Symbol]	x - TYPE z - GROUPING OF OS		OCCUPANCY SENSOR	WATTSTOPPER TYPE A - DT-300 TYPE B - DT-355	WHITE	--	--	--	--	REFER TO DETAILS 2 AND 3 THIS DRAWING FOR ADDITIONAL WIRING
F-1	[Symbol]	EXHAUST FAN (BATHROOM)		GREENHECK	SP-B150	WHITE	128	--	--	--	--

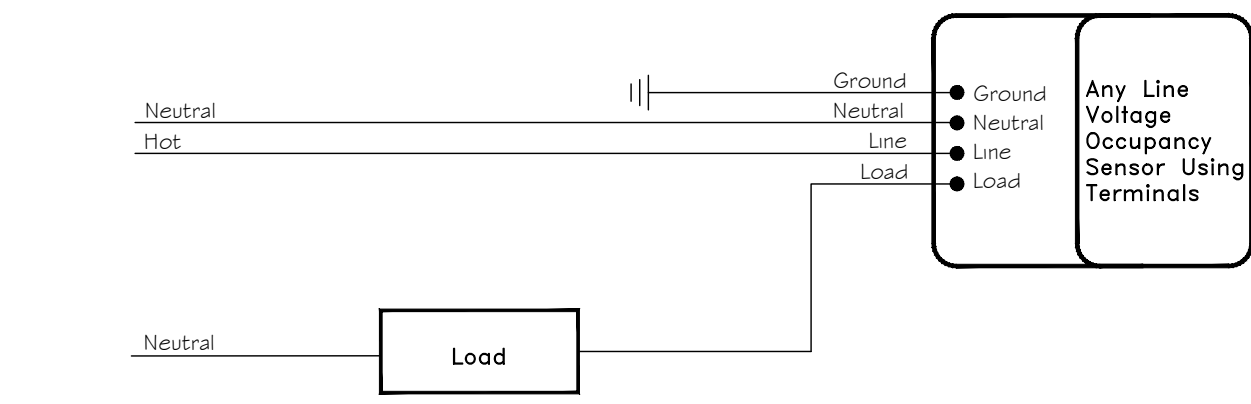
EMERGENCY LIGHTING/ ALARM FIXTURE SCHEDULE

MARK	TYPE	MANUFACTURER	MODEL #	MOUNTING HEIGHT	POWER REQUIREMENTS
⓪	AUDIO VISUAL FIRE ALARM SIGNAL COMBINATION FIRE ALARM HORN & STROBE LIGHT UNIT	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	PROVIDE EXTENDER PANEL (IF REQUIRED)
Ⓛ	VISUAL FIRE ALARM SIGNAL VISUAL SIGNAL ONLY	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	PROVIDE EXTENDER PANEL (IF REQUIRED)
Ⓜ	MANUAL PULLSTATION	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	
Ⓢ	FIXED TEMPERATURE HEAT DETECTOR	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	CEILING MOUNT	
Ⓣ	PHOTOELECTRIC SMOKE DETECTOR	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	CEILING MOUNT	
ⓔx-1a	CEILING MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FAÇES *K = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: BLACK FINISH: BLACK LENS: SELF POWERED (AUXS) SELF DIAGNOSTICS (SELF-POWERED) #7 LETTERS	CEILING MOUNT	DUAL VOLTAGE INPUT 120/277VAC 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
ⓔx-1b	WALL MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FAÇES *K = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: BLACK FINISH: BLACK LENS: SELF POWERED (AUXS) SELF DIAGNOSTICS (SELF-POWERED) #7 LETTERS	WALL MOUNT	DUAL VOLTAGE INPUT 120/277VAC 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
ⓔx-2a	CEILING MOUNTED EMERGENCY LIGHT & EXIST COMBINATION: DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FAÇES *K = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: BLACK FINISH: BLACK LENS: ACCESSORIES: SELF POWERED (AUXS) SELF DIAGNOSTICS (SELF-POWERED) #7 LETTERS ALUXA1 (FIRE ALARM INTERFACE MODULE)	WALL MOUNT	DUAL VOLTAGE INPUT 120/277VAC 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
ⓔx-2b	WALL MOUNTED EMERGENCY LIGHT & EXIST COMBINATION: DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FAÇES *K = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: BLACK FINISH: BLACK LENS: ACCESSORIES: SELF POWERED (AUXS) SELF DIAGNOSTICS (SELF-POWERED) #7 LETTERS ALUXA1 (FIRE ALARM INTERFACE MODULE)	WALL MOUNT	DUAL VOLTAGE INPUT 120/277VAC 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL

1 ELECTRICAL: LIGHTING PLAN
SCALE: 1/4" = 1'-0"



2 OCCUPANCY SENSOR A SCHEMATIC
SCALE: NONE



B OCCUPANCY SENSOR B SCHEMATIC
SCALE: NONE

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REVISIONS:

ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
ELECTRICAL LIGHTING PLAN & SCHEDULE

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

E-200



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PROJECT NORTH

PROPOSED LATRINE & SHOWER ROOM
 EXPANSION & REHABILITATION:
 NJ NATIONAL GUARD ARMORY (NJDAMAVA)
 CAPE MAY ARMORY
 600 GARDEN STATE PARKWAY
 CAPE MAY COURT HOUSE, NEW JERSEY

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REVISIONS:

ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
 ELECTRICAL POWER PLANS

JOB NO. CM002
 DRN. BY CD
 CHKD TJD
 SCALE AS NOTED
 DATE 11/01/2020

E-201

1 ELECTRICAL: POWER PLAN
 E-201 SCALE: 1/4" = 1'-0"

WIRE AND CONDUIT SIZING SCHEDULE						
AMPS	Wire Size (AWG/KCMIL)		No. of Wires & Conduit Size in Inches			
	CONDUCTOR PHASE & NEUTRAL	GROUND	A 1PH,2W+G	B 3PH,3W+G	C 3PH,4W+G	
20	12	12	3/4	3/4	3/4	
30	10	10	3/4	3/4	3/4	
50	8	10	3/4	1	1	
60	4	10	1	1 1/4	1 1/4	
70	4	8	1	1 1/4	1 1/4	
80	3	8	1 1/4	1 1/4	1 1/4	
90	2	8	1 1/4	1 1/4	1 1/4	
100	1	8	1 1/4	1 1/2	1 1/2	
125	1	6	1 1/4	1 1/2	1 1/2	
150	1/0	6	1 1/2	2	2	
175	2/0	6	1 1/2	2	2	
200	3/0	6	2	2	2	
225	4/0	4	2	2 1/2	2 1/2	
250	250	4	2 1/2	2 1/2	2 1/2	
275	300	4	2 1/2	2 1/2	2 1/2	
300	350	4	2 1/2	3	3	
325	400	3	3	3	3	
400	600	3	3	4	4	
450	(2) 4/0	(2) 2		(2) 2	(2) 2 1/2	
500	(2) 250	(2) 2		(2) 2 1/2	(2) 2 1/2	
600	(2) 350	(2) 1		(2) 3	(2) 3	

NOTES:
1. THE ABOVE SCHEDULE IS BASED ON 600 VOLT WIRE TYPE THWN/XHHW AND EMT/RGS CONDUIT
2. MC CABLE SHALL BE USED WHEN CONCEALED ABOVE CEILING OR WALLS. RGS TO BE USED WHEN RUN EXPOSED.

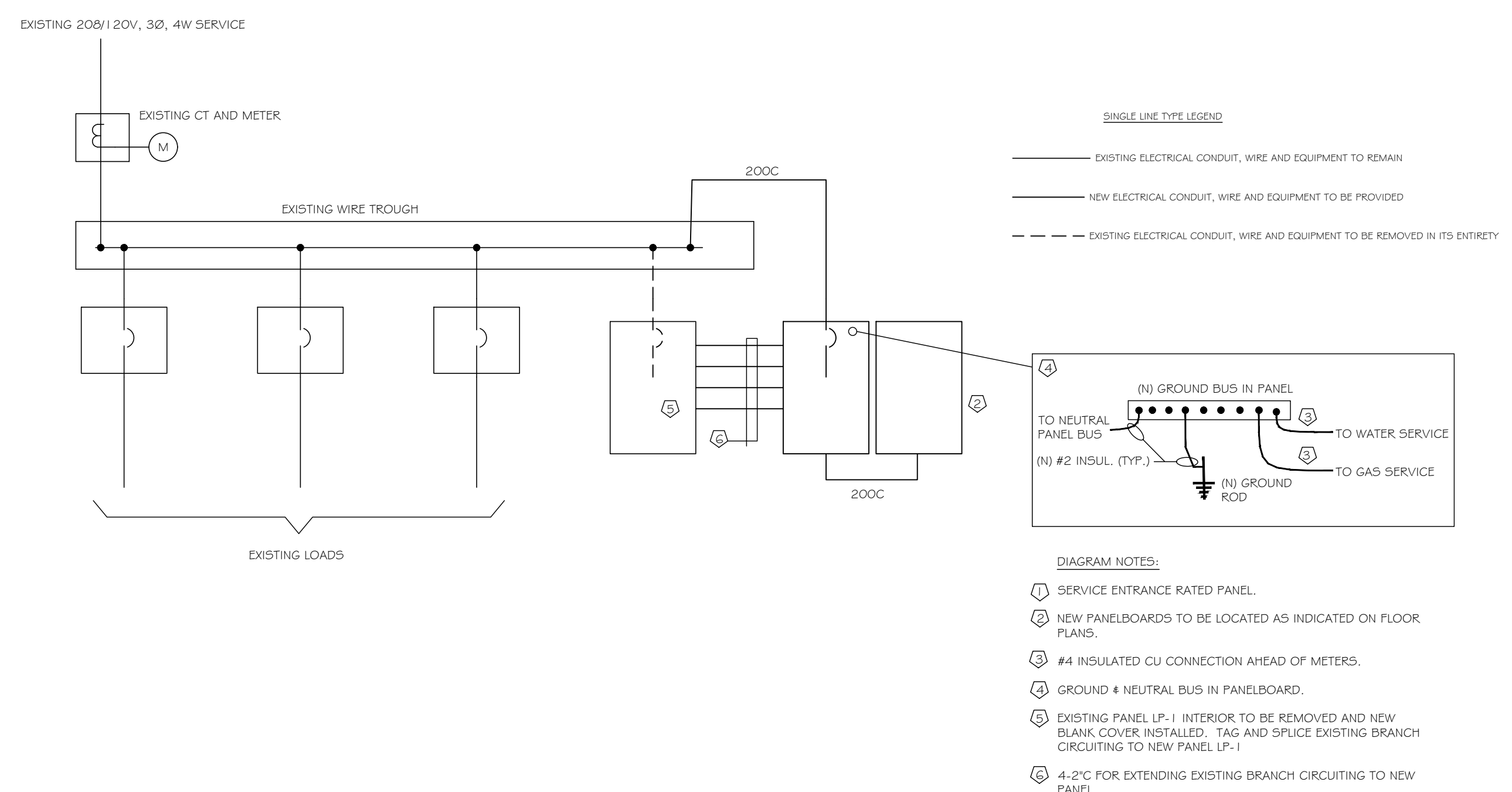
2 WIRE & CONDUIT SIZING SCHEDULE
SCALE: NTS

NO T E	LP-1 208/120V, 3 PHASE, 4 WIRE										200 MCB 10,000 AIC BOILER ROOM		NO T E
	CKT	DESCRIPTION	WIRE	KVA	CB	CB	KVA	WIRE	DESCRIPTION	CKT			
*1	EXISTG LOAD FROM ORIG LP-1	20a	0.5		20/1 A	30/3	0.0		INTERNAL SURGE PROTECTION	2			
*3	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B		0.0			4			
*5	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C		0.0			6			
*7	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*8			
*9	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*10			
*11	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*12			
*13	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*14			
*15	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*16			
*17	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*18			
*19	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*20			
*21	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*22			
*23	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*24			
*25	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*26			
*27	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*28			
*29	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*30			
*31	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*32			
*33	EXISTG LOAD FROM ORIG LP-1	30B		2.0	30/2 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*34			
*35				2.0	C	20/1		0.5	EXISTG LOAD FROM ORIG LP-1	*36			
*37	EXISTG LOAD FROM ORIG LP-1	20A	0.5		20/1 A	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*38			
*39	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 B	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*40			
*41	EXISTG LOAD FROM ORIG LP-1	20A		0.5	20/1 C	20/1	0.5		EXISTG LOAD FROM ORIG LP-1	*42			
			3.5	5.0	5.0				3.0	3.0	3.0		

Notes:		Connected		Demand		Accessories:	
* EXSITING EXISTING BRANCH CIRCUITS TO REMAIN AND BE EXTENDED TO NEW PANEL BOARD. PRIOR TO DEMOLITION CONFIRM EXSITING WIRE SIZE AND BRANCH CIRCUIT BREAKER SIZES AND POLES	Lighting	0.0	0.0	Phase A	17.0	Surface	X
	Appliance	13.3	13.3	Phase B	17.6	Internal Surge Protection	X
	A/C	5.0	5.0	Phase C	16.8	Door-in-Door	X
	Heating	0.0	0.0			Service Entrance Rated	X
	Misc	9.1	9.1			Provide locking provision on Main and Branch Circuit Breakers	X
	Existg Load	22.5	22.5			Feed Thru Lugs	X
	Total(kva)	49.8	49.8				

NO T E	LP-1A 208/120V, 3 PHASE, 4 WIRE										225 MLO 10,000 AIC BOILER ROOM		NO T E
	CKT	DESCRIPTION	WIRE	KVA	CB	CB	KVA	WIRE	DESCRIPTION	CKT			
1	LIGHTING	20A	0.4		20/1 A	20/1	0.5		LIGHTING	2			
3	LIGHTING	20A		0.6	20/1 B	20/1	0.8		20A UNISEX RM DED RECPT	4			
5	SPARE				20/1 C	20/1		0.8	20A UNISEX RM DED RECPT	6			
*2	7	SPARE		0.0	20/1 A	20/1	0.8		20A WOMENS DED RECEPT	8 *2			
*2	9	SPARE		0.0	20/1 B	20/1	0.8		20A WOMENS DED RECEPT	10			
*2	11	MENS DED RECEPT	20A		0.8	20/1 C	20/1	0.8	20A WOMENS DED RECEPT	12 *2			
*2	13	MENS DED RECEPT	20A	0.8		20/1 A	20/1	0.8	20A WOMENS DED RECEPT	14			
	15	MENS DED RECEPT	20A		0.8	20/1 B	20/1	0.8	20A WOMENS DED RECEPT	16 *2			
	17	MENS DED RECEPT	20A		0.8	20/1 C	20/1	0.8	20A WOMENS DED RECEPT	18			
*2	19	MENS DED RECEPT	20A	0.8		20/1 A	20/1	0.8	20A WOMENS DED RECEPT	20 *2			
*2	21	MENS DED RECEPT	20A		0.8	20/1 B	20/1	1.5	20A INSTANT WATER HEATERS	22			
*2	23	MENS DED RECEPT	20A		0.8	20/1 C	20/1	1.5	20A INSTANT WATER HEATERS	24			
*2	25	MENS DED RECEPT	20A	0.8		20/1 A	20/1	1.5	20A INSTANT WATER HEATERS	26			
	27	DED RECEPT OFFICE	20A		0.3	20/1 B	20/1	1.5	20A INSTANT WATER HEATERS	28			
	29	DED RECEPT OFFICE	20A		0.3	20/1 C	20/1	1.5	20A INSTANT WATER HEATERS	30			
	31	COND UNIT	30A	2.0		30/2 A	20/1	1.5	20A INSTANT WATER HEATERS	32			
	-			2.0		B	20/1	0.0	- SPARE	34			
	35	AHU	20A		1.0	20/1 C	20/1	0.0	- SPARE	36			
	37	HWRP-1	20A	0.1		20/1 A	20/1	0.0	- SPARE	38			
	39	SPARE	-	0.0		20/1 B	20/1	0.0	- SPARE	40			
	41	SPARE	-	0.0		20/1 C	20/1	0.0	- SPARE	42			
			4.7	4.3	3.5				5.8	5.3	5.3		

Notes:		Connected		Demand		Accessories:	
*1 Provide AFCI Type	Lighting	1.5	1.5	Phase A	10.5	Surface	X
*2 Provide GFCI Type	Appliance	13.3	13.3	Phase B	9.6	Internal Surge Protection	X
*3 Provide locking provision on Circuit Breaker(s)	A/C	5.0	5.0	Phase C	8.8	Door-in-Door	X
	Heating	0.0	0.0			Service Entrance Rated	X
	Misc	9.1	9.1			Provide locking provision on Branch Breakers	X
	Existg Load	0.0	0.0			Feed Thru Lugs	
	Total(kva)	28.8	28.8				



1 SINGLE LINE DIAGRAM
SCALE: NTS

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EXPANSION & REHABILITATION:
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CAPE MAY COURT HOUSE, NEW JERSEY

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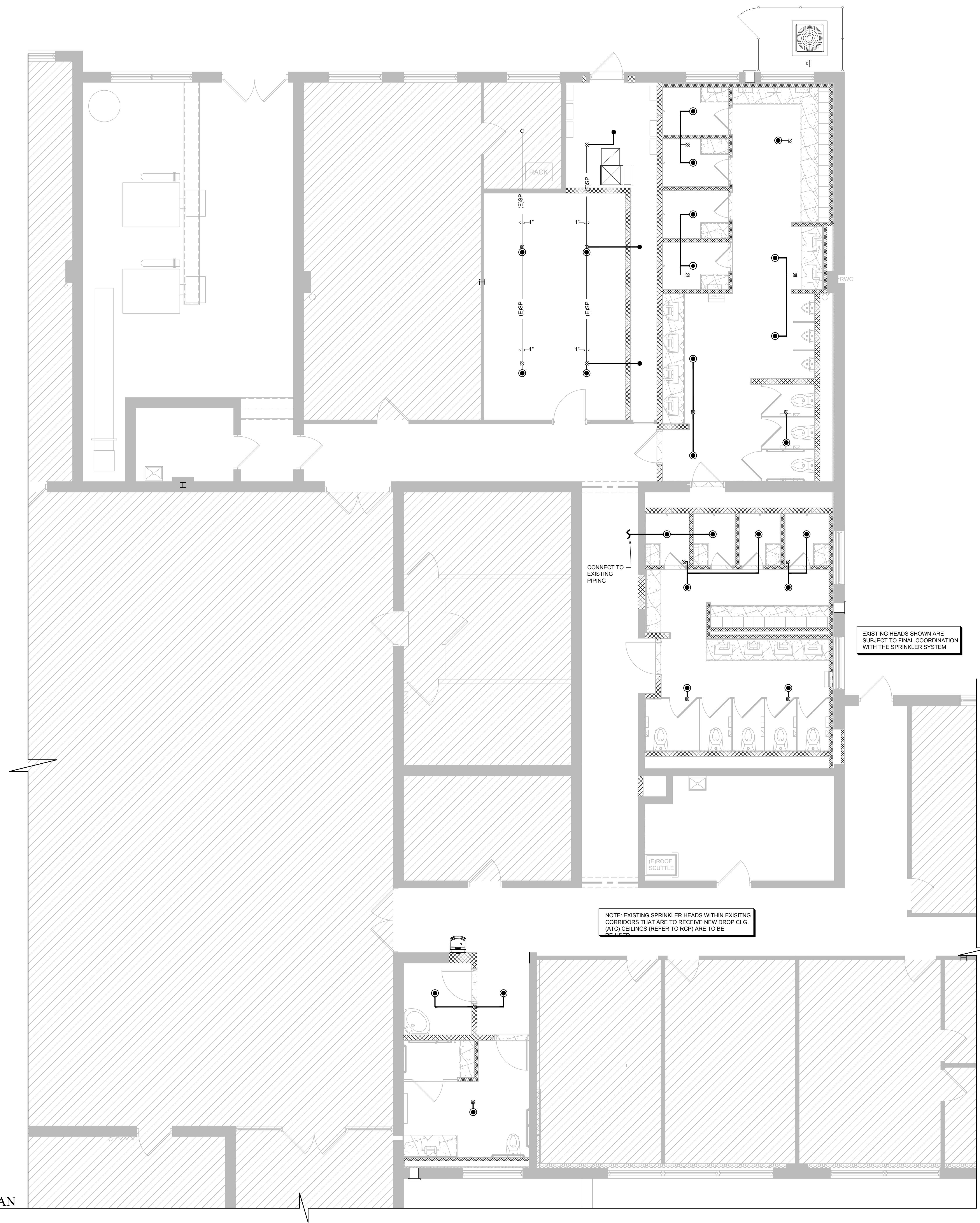


REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
**ELECTRICAL
PANEL SCHEDULES
AND DETAILS**

JOB NO.	CM002
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	11/01/2020

E-300



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REVISIONS:

ISSUE	DATE	DESCRIPTION
1	8/25/22	BID ISSUE

DRAWING TITLE:
 FIRE PROTECTION PLANS

JOB NO. CM002
 DRN. BY CD
 CHKD TJD
 SCALE AS NOTED
 DATE 11/01/2020

FP-101

1 FIRE PROTECTION PLAN
 PP-101 SCALE: 1/4" = 1'-0"