

# THE STATE OF NEW JERSEY DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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

PROJECT NO: HA007

PROJECT NAME: LATRINE & SHOWER ROOM EXPANSION & RENOVATION  
HAMMONTON NATIONAL GUARD ARMORY  
550 SOUTH EGG HARBOR ROAD  
HAMMONTON, NJ 08037

## LOCATION MAP



## AERIAL MAP



ARCHITECT'S DATA				
ARCHITECT/ ENGINEER	TJD ARCHITECTS & ENGINEERS, PC			
A/E POINT OF CONTACT:	THOMAS J. D'ARRIGO, RA/ AIA			
A/E ADDRESS:	135 AMERICAN AVENUE, BRIDGETON NJ 08302			
A/E PHONE NUMBER:	(856) 455-4422			
APPLICANT DATA:				
APPLICANT:	STATE OF NJ DEPT. OF MILITARY & VETERAN AFFAIRS (DMAVA)			
APPLICANT ADDRESS:	101 EGGERT CROSSING ROAD, LAWRENCEVILLE, NJ 08625-0340			
APPLICANT PHONE NUMBER:	(609) 530-6939			
BUILDING & SITE DATA:				
ADDRESS OF SUBJECT PROPERTY	550 SOUTH EGG HARBOR ROAD			
DISTRICT:	HAMMONTON			
BLOCK:	3702			
LOT:	3			
SCOPE TYPE:				
<input type="radio"/> NEW CONSTRUCTION <input checked="" type="radio"/> RENOVATION (EXISTING BUILDING) <input type="radio"/> RECONSTRUCTION <input type="radio"/> AS-BUILT				
CONSTRUCTION TYPE:				
CONSTRUCTION TYPE:	<input checked="" type="radio"/> 3B			
USE CLASSIFICATION:				
PRIMARY OCCUPANCY:	DIVISION:			
B <input checked="" type="radio"/> BUSINESS GROUP "B"	BUSINESS OFFICES			
BUILDING SQUARE FOOTAGE BREAKDOWN:				
IDENTIFICATION:	FIRST FLOOR:			
HABITABLE:	5,708 SF			
BUILDING HEIGHT & VOLUME:				
BUILDING HEIGHT (EXISTING) :	--			
NUMBER OF STORIES (EXISTING) :	1			
BUILDING VOLUME (EXISTING) :	--			
APPLICABLE BUILDING CODES:				
2018	INTERNATIONAL BUILDING CODE (NJ Edition)			
2018	UNIFORM CONSTRUCTION CODE (NJ Edition) (NJAC 5:23)			
2018	NATIONAL STANDARD PLUMBING CODE 2018			
2018	NATIONAL ELECTRIC CODE			
2018	INTERNATIONAL MECHANICAL CODE			
2018	INTERNATIONAL FUEL GAS CODE			
2009	ANSI A117.1			
	ASCE 7-16			
	ACI 318-14			
	ACI 301-10 (**PER AISC 360-16)			
	AISC 360-16**			
	AISC STEEL CONSTRUCTION MANUAL 14TH EDITION PER AISC360-16)			
	AWS D1.1-2015 PER AISC C360-16 & AWS D11.4-2011			
DRAWING LIST				
DRAWING TAG:	DRAWING DESCRIPTION:			
C-100	COVER SHEET & BUILDING DATA			
D-100	DEMOLITION PLAN			
A-100	ARCHITECTURAL FLOOR PLAN & DETAILS			
A-101	DIMENSION FLOOR PLAN & DETAILS			
A-102	FINISH FLOOR PLAN			
A-103	FINISH PAINT PLAN			
A-400	INTERIOR BUILDING ELEVATIONS			
A-401	INTERIOR BUILDING ELEVATIONS			
A-500	SCHEDULES			
A-501	SCHEDULES			
A-800	DETAILS			
A-801	DETAILS			
A-900	REFLECTED CEILING PLAN			
M-100	MECHANICAL GENERAL NOTES			
M-200	MECHANICAL FORCED AIR PLAN & SCHEDULES			
M-201	MECHANICAL HYDRONIC MODIFICATIONS			
M-300	MECHANICAL DETAILS			
P-100	PLUMBING GENERAL NOTES, SYMBOLS, & SCHEDULES			
P-200	PLUMBING DETAILS			
P-400	DOMESTIC WATER PIPING PLAN & DIAGRAMS			
P-500	SANITARY PLAN & DIAGRAMS			
E-100	ELECTRICAL GENERAL NOTES			
E-200	ELECTRICAL LIGHTING PLAN & SCHEDULES			
E-201	ELECTRICAL POWER PLANS & SCHEDULES			
E-300	ELECTRICAL PANEL SCHEDULES & DETAILS			
REVISIONS:				
ISSUE	DATE	DESCRIPTION		
1	7/26/24	AMENDED SCOPE		
DRAWING TITLE:				
COVER SHEET & BUILDING DATA				
JOB NO.   HA007				
DRN. BY   CD				
CHKD   TJD				
SCALE   AS NOTED				
DATE   12-06-21				

LATRINE & SHOWER ROOM RENOVATION PROJECT:  
HAMMONTON NATIONAL GUARD ARMORY  
550 SOUTH EGG HARBOR ROAD  
HAMMONTON, NEW JERSEY 08037  
STATE OF NEW JERSEY  
DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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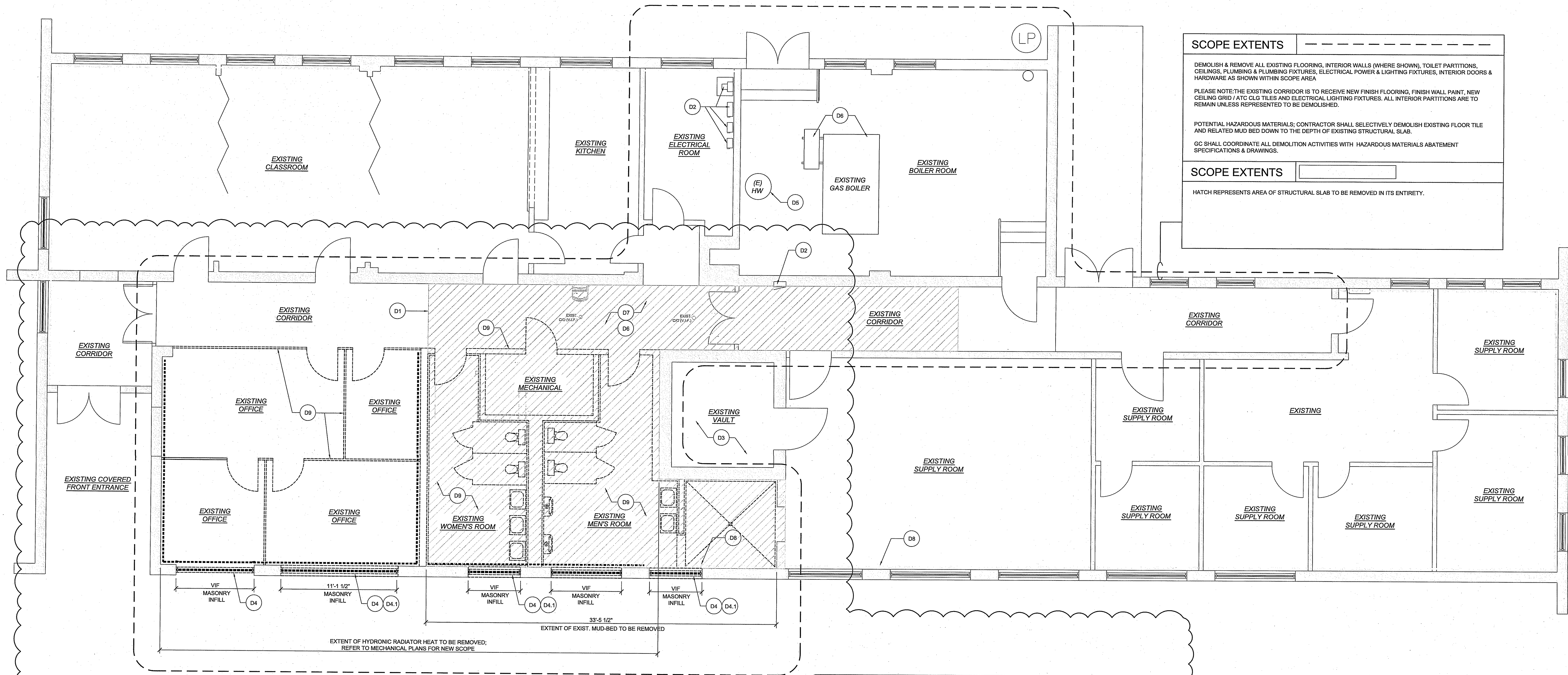
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ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE

DRAWING TITLE:  
COVER SHEET &  
BUILDING DATA

JOB NO.	HA007
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C-100





1 DEMOLITION FLOOR PLAN  
D-100 SCALE: 1/4"= 1'-0"

## DEMOLITION NOTES:

- D1 EXISTING FLOOR SLAB:  
HATCH REPRESENTS EXISTING FLOOR SLAB TO BE REMOVED & DISPOSED OF IN ITS ENTIRETY. HATCH IS DIAGRAMMATIC. GC TO VERIFY ALL REQUIRED EXTENTS IN FIELD w/ RELATED SCOPE OF WORK. NOTE ALL EXISTING FINISH FLOOR IS TO BE REMOVED & DISPOSED OF WITHIN THE SCOPE OF WORK AREA. GC SHALL COORDINATE WITH HAZMAT REPORT & ARCHITECTURAL PLANS FOR EXTENT/ REPLACEMENT.
- D2 EXISTING ELECTRICAL PANELS:  
EXISTING ELECTRICAL PANELS TO BE REMOVED AND REPLACED WHERE SHOWN ON ELECTRICAL DRAWINGS; CONTRACTOR SHALL REFER TO ELECTRICAL PLANS FOR COORDINATION & EXTENT OF WORK SCOPE.
- D3 VAULT:  
EXISTING MASONRY VAULT TO REMAIN; GC TO COORDINATE ALL DEMOLITION ACTIVITIES & DEACTIVATION OF ALARMS w/ OWNER PRIOR TO START OF DEMOLITION.
- D4 EXISTING EXTERIOR WINDOWS:  
DEMOLISH & REMOVE EXISTING WINDOW UNITS WHERE SHOWN. GC SHALL REFER TO ARCHITECTURAL PLANS FOR REPLACEMENT WORK SCOPE & DETAILS.
- D4.1 MASONRY INFILL:  
MASONRY INFILL TO BE PROVIDED AT EXISTING MASONRY WINDOW OPENINGS; GC SHALL REFER TO INFILL DETAIL & SPECIFICATIONS FOR SPECIFICATIONS.
- D5 EXISTING ELECTRIC HOT WATER HEATER:  
REMOVE/ DISPOSE OF EXISTING ELECTRIC HOT WATER HEATER AND ASSOCIATED SUPPLY AND DISTRIBUTION PIPING NO LONGER IN USE; CAP AS REQUIRED.
- D6 EXISTING HEAT EXCHANGER:  
REMOVE EXISTING COLD & HOT WATER PIPING ASSOCIATED WITH EXISTING HEAT EXCHANGER FOR MAKING DOMESTIC HOT WATER; THIS WILL NO LONGER BE USED & ABANDONED IN PLACE.  
COLD WATER MAKE-UP PIPING TO BOILER TO REMAIN.
- D7 EXISTING HOT/COLD WATER PIPING:  
CAP EXISTING HOT & COLD WATER UNDER SLAB SUPPLY PIPING WHERE ACCESSIBLE; LIMITED TO THE EXISTING CONCRETE FLOOR DEMOLITION; REFER TO PLUMBING PLANS FOR EXTENT.
- D8 EXISTING HYDRONIC HEATING SYSTEM:  
EXISTING HYDRONIC HEATING SYSTEM w/ RELATED CONVECTION COVERS ARE TO REMAIN THROUGHOUT THE FACILITY; SELECTIVE DEMOLITION OF THIS SYSTEM HAS BEEN SHOWN ON THIS PLAN FOR EXTENT PURPOSES WITHIN THE NEW WORK SCOPE AREAS; CONTRACTOR SHALL REFER TO MECHANICAL PLANS FOR NEW REPLACEMENT SCOPE.
- D9 INTERIOR DEMOLITION:  
CONTRACTOR SHALL DEMOLISH & REMOVE ALL EXISTING FINISH FLOORING, INTERIOR WALLS (MASONRY & PARTITION), TOILET PARTITIONS, CEILINGS, PLUMBING & PLUMBING FIXTURES, ELECTRICAL POWER & LIGHTING FIXTURES, INTERIOR DOORS & HARDWARE AS SHOWN WITHIN SCOPE AREA.
- PLEASE NOTE: THE EXISTING CORRIDOR IS TO RECEIVE NEW FINISH FLOORING, FINISH WALL PAINT, NEW CEILING GRID / ATC CLO TILES AND ELECTRICAL LIGHTING FIXTURES. ALL INTERIOR PARTITIONS ARE TO REMAIN UNLESS REPRESENTED TO BE DEMOLISHED.
- POTENTIAL HAZARDOUS MATERIALS; CONTRACTOR SHALL SELECTIVELY DEMOLISH EXISTING FLOOR TILE AND RELATED MUD BED DOWN TO THE DEPTH OF EXISTING STRUCTURAL SLAB.
- GC SHALL COORDINATE ALL DEMOLITION ACTIVITIES WITH HAZARDOUS MATERIALS ABATEMENT SPECIFICATIONS & DRAWINGS.

## SCOPE EXTENTS

DEMOLISH & REMOVE ALL EXISTING FLOORING, INTERIOR WALLS (WHERE SHOWN), TOILET PARTITIONS, CEILINGS, PLUMBING & PLUMBING FIXTURES, ELECTRICAL POWER & LIGHTING FIXTURES, INTERIOR DOORS & HARDWARE AS SHOWN WITHIN SCOPE AREA

PLEASE NOTE: THE EXISTING CORRIDOR IS TO RECEIVE NEW FINISH FLOORING, FINISH WALL PAINT, NEW CEILING GRID / ATC CLO TILES AND ELECTRICAL LIGHTING FIXTURES. ALL INTERIOR PARTITIONS ARE TO REMAIN UNLESS REPRESENTED TO BE DEMOLISHED.

POTENTIAL HAZARDOUS MATERIALS; CONTRACTOR SHALL SELECTIVELY DEMOLISH EXISTING FLOOR TILE AND RELATED MUD BED DOWN TO THE DEPTH OF EXISTING STRUCTURAL SLAB.

GC SHALL COORDINATE ALL DEMOLITION ACTIVITIES WITH HAZARDOUS MATERIALS ABATEMENT SPECIFICATIONS & DRAWINGS.

## SCOPE EXTENTS

HATCH REPRESENTS AREA OF STRUCTURAL SLAB TO BE REMOVED IN ITS ENTIRETY.

## HATCH KEY

EXISTING WALLS TO REMAIN

EXISTING WALLS TO BE DEMOLISHED

FLOOR SLAB DEMOLITION

## GENERAL NOTES:

- 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.
- ALL MATERIALS SHOWN/ SCHEDULED FOR DEMOLITION SHALL BE REMOVED & DISPOSED OF IN A LEGAL MANNER BY THE G.C.
- THE GENERAL CONTRACTOR IS RESPONSIBLE TO PLACE TEMPORARY BARRICADES AND/OR PARTITIONS WHERE DESIGNATED ON PLAN.
- 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 UN-ATTRACTIVE NUISANCES THROUGHOUT THE CONSTRUCTION PERIOD.
- THE PROJECT SITE SHALL BE IN COMPLIANCE WITH ALL CURRENT LOCAL LAWS IN ORDER TO PERMIT DEMOLITION IN ACCORDANCE WITH THIS PLAN.
- G.C. IS RESPONSIBLE FOR DESIGN & IMPLEMENTATION OF ALL TEMPORARY SHORING REQUIRED TO COMPLETE WORK AS INDICATED ON DOCUMENTS.
- 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.
- GENERAL CONTRACTOR TO REMOVE ALL WIRING & CABLEING FROM DEMOLISHED PARTITIONS AND CEILING PLENUMS. CIRCUITS NO LONGER IN USE ARE TO BE REMOVED BACK TO THE CIRCUIT PANEL. DATA CABLES NO LONGER PART OF THE BUILDING SYSTEM ARE TO BE REMOVED BACK TO DATA CLOSET. TELEPHONE CABLEING NO LONGER ACTIVE TO BE REMOVED BACK TO THE PUNCH-DOWN BLOCKS.
- CONTRACTOR SHALL PAY FOR AN OBTAIN ANY & ALL NECESSARY BUILDING PERMITS
- IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT & ASSESS THE EXISTING CONDITIONS. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION THROUGHOUT THE CONSTRUCTION PROCESS.
- 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.
- ALL BUILDING SYSTEMS MUST BE PROPERLY TERMINATED, CAPPED OR REMOVED. ANY/ALL LIFE SAFETY SYSTEMS ARE TO REMAIN ACTIVE & THE SPACE IS TO BE LEFT IN SAFE CONDITIONS.
- ALL FLOOR OPENINGS, HAZARDS, AND UNSAFE CONDITIONS ARE TO BE BARRICADED AND PROTECTED.
- ALL DEMOLITION WORK ADJACENT TO REMAINING CONSTRUCTION MUST BE KEPT IN A WORKMAN-LIKE MANNER IN PREPARATION FOR NEW CONSTRUCTION WORK.
- ALL FLOOR COVERINGS WITHIN DESIGNATED SPACE ARE TO BE REMOVED DOWN TO EXISTING SLAB.
- COORDINATE DEMOLITION ACTIVITIES WITH FACILITY MANAGER TO AVOID CONFLICT WITH OTHER ACTIVITIES AND OCCUPANTS.
- RESTORE ALL SURFACES THAT HAVE BEEN EFFECTED BY DEMOLITION ACTIVITY TO ITS ORIGINAL CONDITION, OR AS OTHERWISE NOTED ON PLANS
- DO NOT REMOVE OR MAKE ANY STRUCTURAL ALTERATIONS WITHOUT OBTAINING DIRECT APPROVAL FROM THE ARCHITECT.

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PROJECT NORTH

LATRINE & SHOWER ROOM RENOVATION PROJECT:

HAMMONTON NATIONAL GUARD ARMORY

550 SOUTH EGG HARBOR ROAD

HAMMONTON, NEW JERSEY 08037

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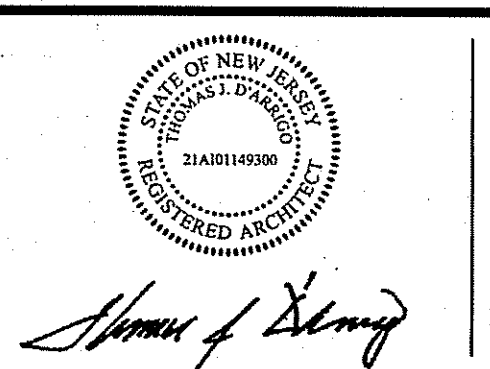
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NCARB Certification No. 51492



REVISIONS:

ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE


DRAWING TITLE:

DEMOLITION PLANS

JOB NO.	HA007
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

D-100



ND YF

7' 6" (P)

E.Q. E.Q.

F 00

PR JEC A NN

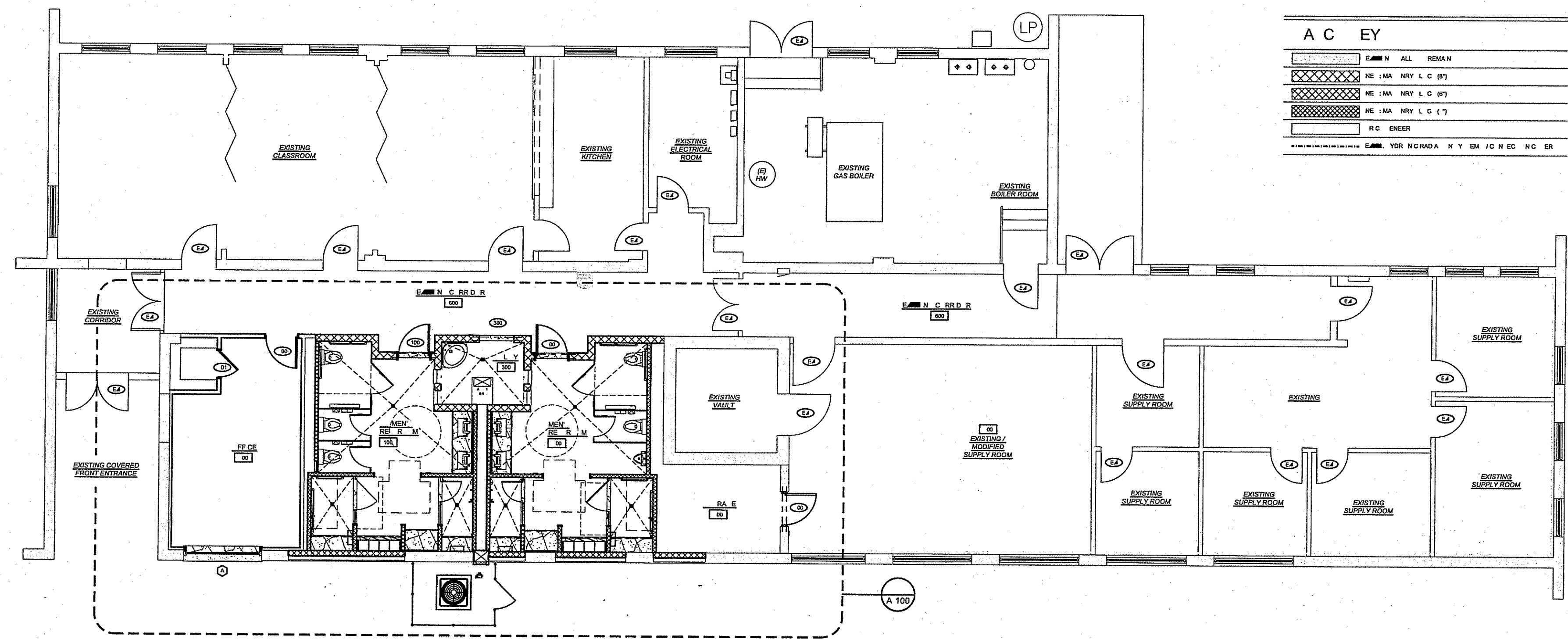
8' 6" (P)

N

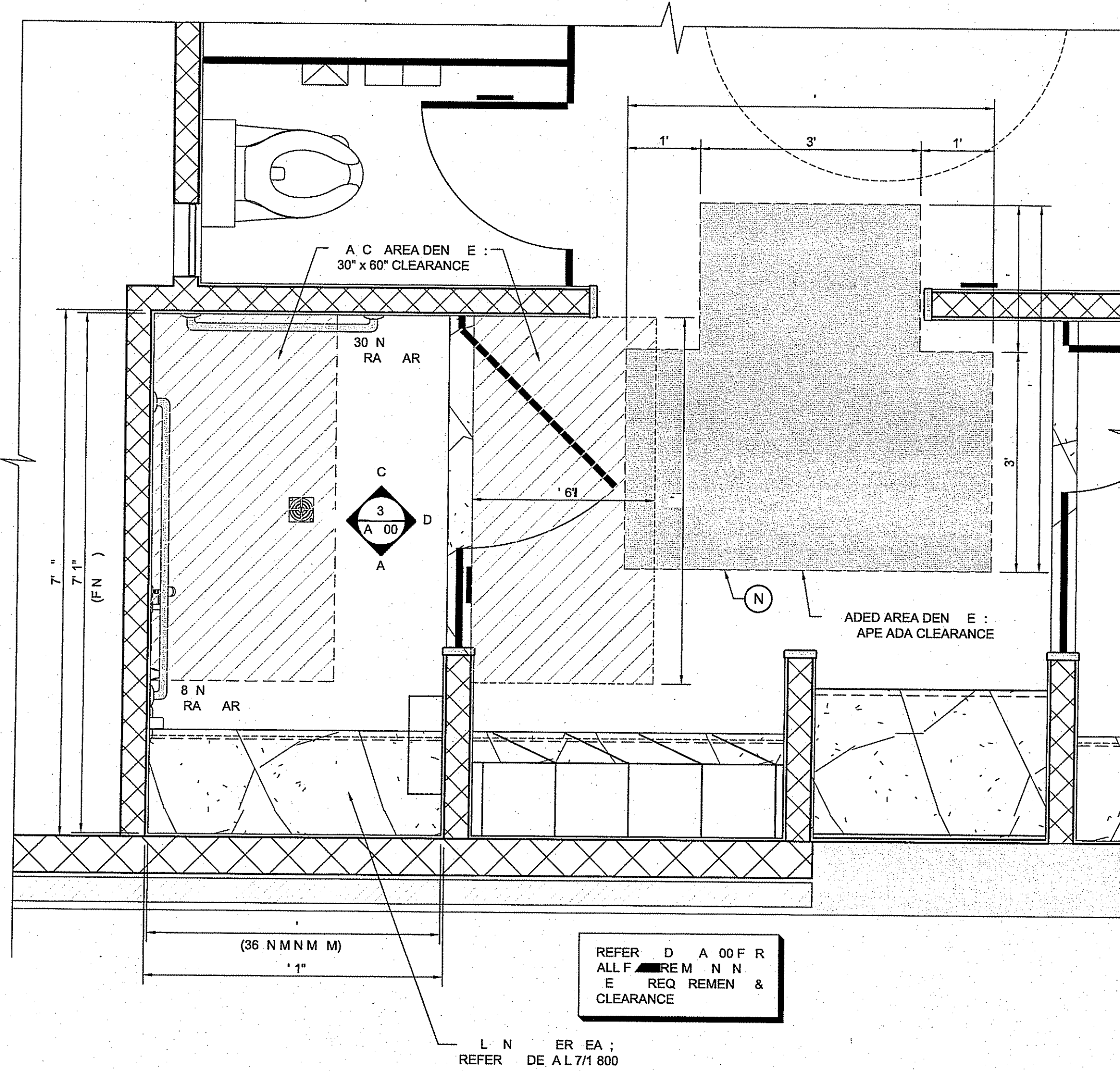
F.F.

(A)

LA RE AN C MMERCA  
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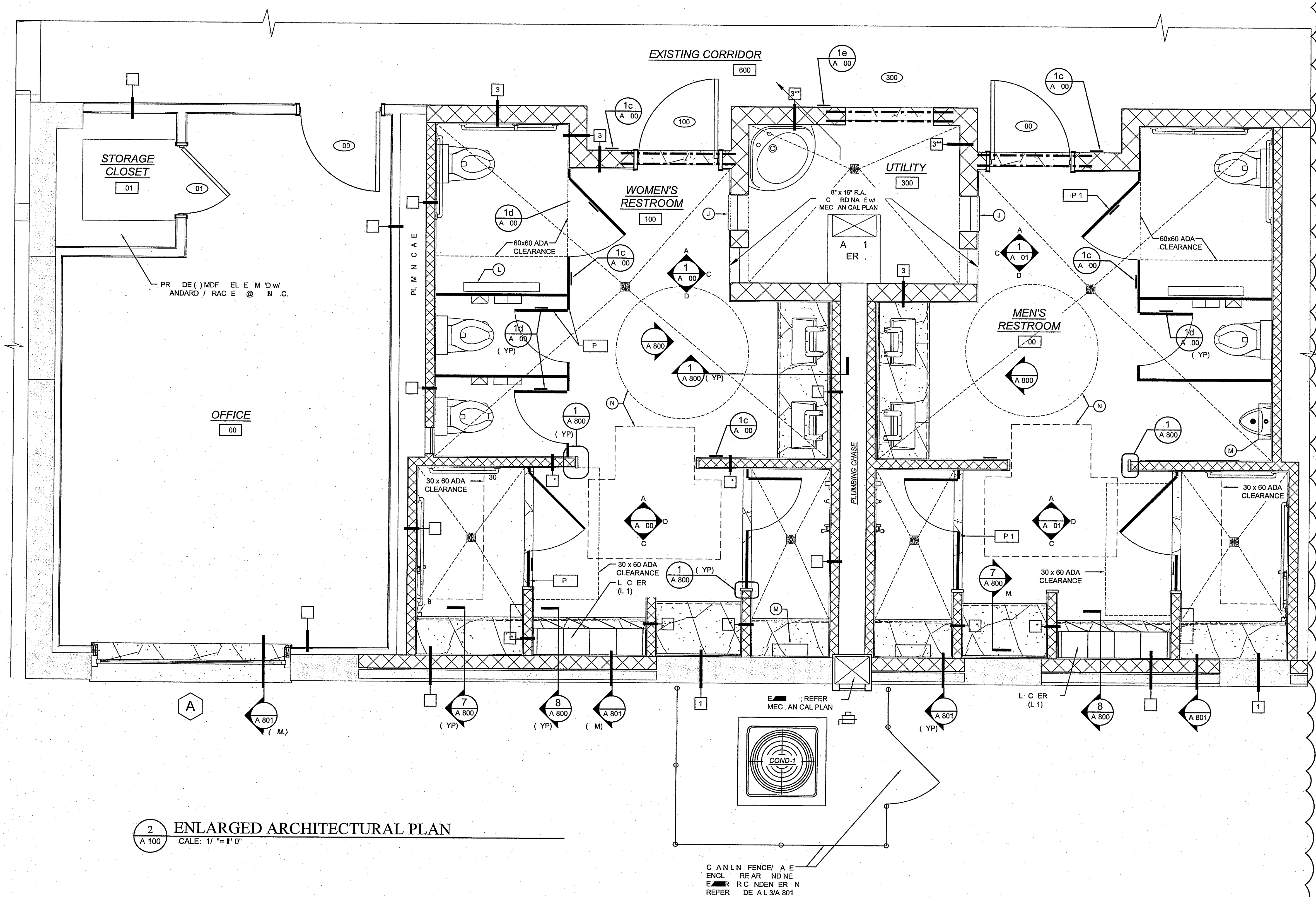
A diagram of a triangle with an interior angle labeled 1.



3  
A 100

ENLARGED FLOOR PLAN: STANDARD ROLL-IN  
SCALE: 3/8"= 1' 0"

ACCESSIBLE SHOWER (TYPICAL)



2 ENLARGED ARCHITECTURAL PLAN  
A 100 SCALE: 1/4" = 1' 0"

PR JEC N R

AMM N [REDACTED] A [REDACTED]  
 O E [REDACTED]  
 AMM N [REDACTED] JER EY 08037  
 A E F NE JER EY  
 DEPAR MEN F ML ARY & [REDACTED]



**TJD**

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STATE OF NEW JERSEY  
THOMAS J. D'ARCO  
21A301149300  
REGISTERED ARCHITECT

*Thomas J. D'Arco*

PR FE NAL EAL

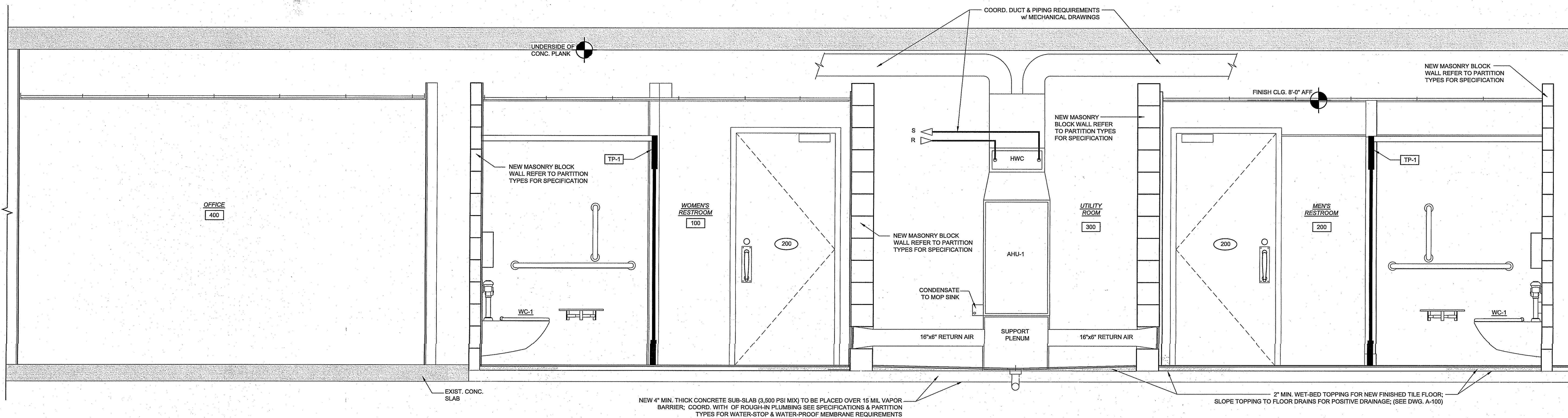
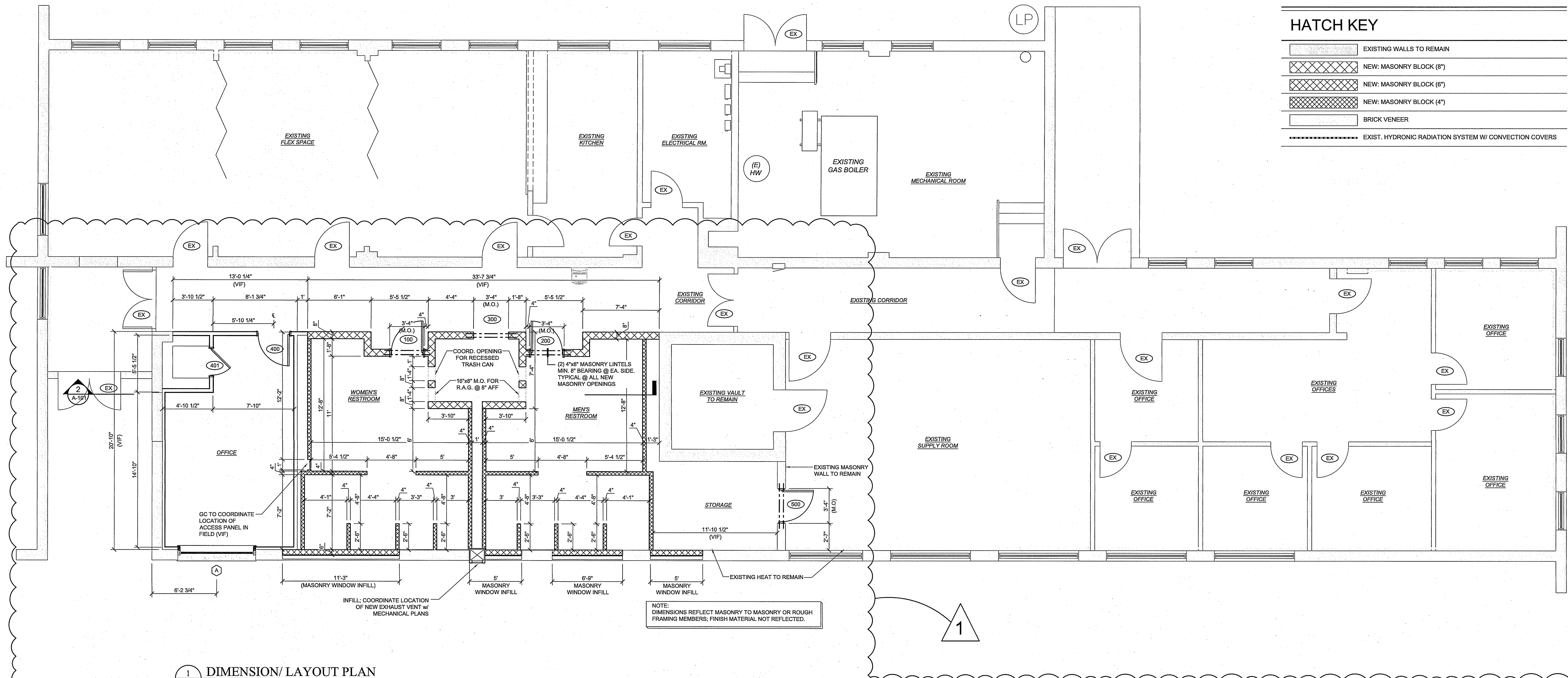
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# A 100





LATRINE & SHOWER ROOM RENOVATION PROJECT:

HAMMONTON NATIONAL GUARD ARMY  
550 SOUTH EGG HARBOR ROAD  
HAMMONTON, NEW JERSEY 08037

STATE OF NEW JERSEY  
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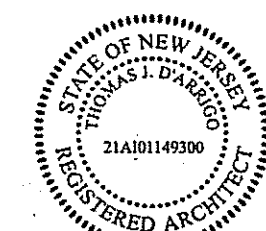
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REVISIONS:

ISSUE	DATE	DESCRIPTION
1	7/28/24	AMENDED SCOPE

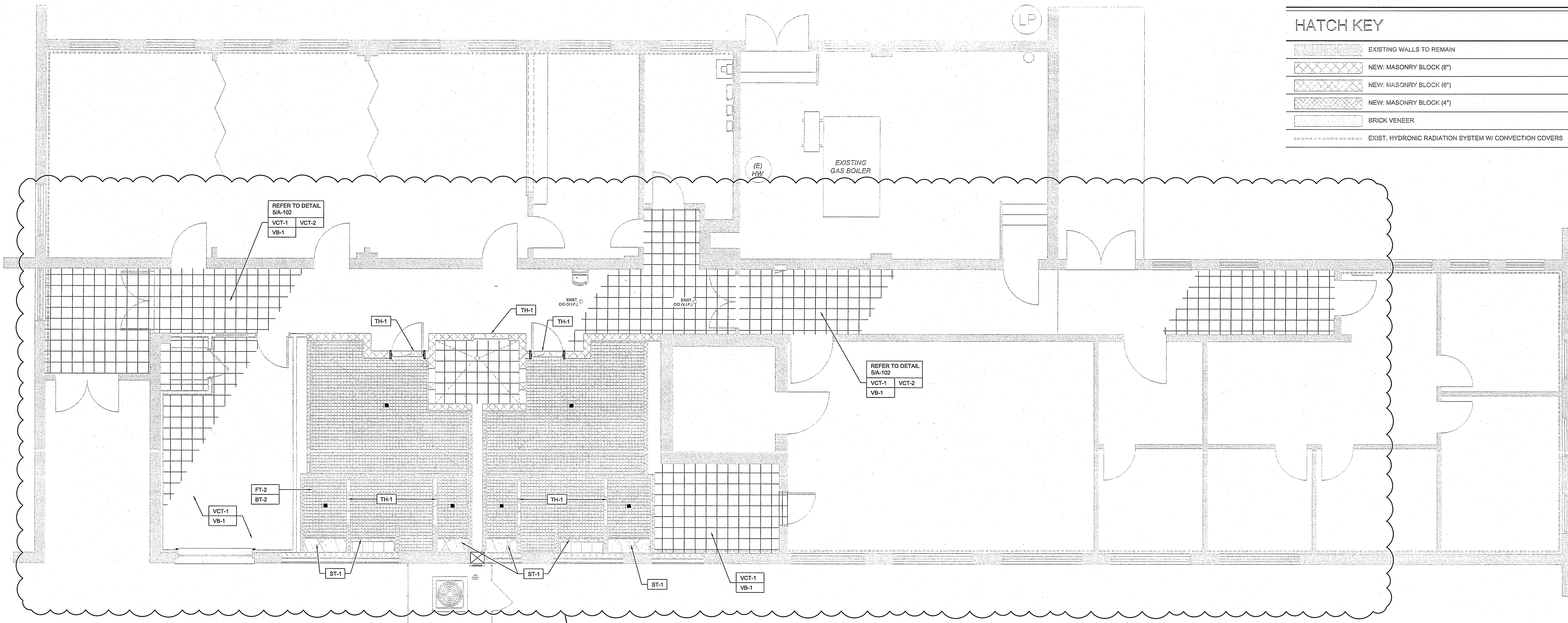
DRAWING TITLE:

DIMENSION /  
LAYOUT FLOOR  
PLAN & SECTION  
DETAIL

JOB NO.	HA007
DRN. BY	CD
CHK'D	TJD
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A-101



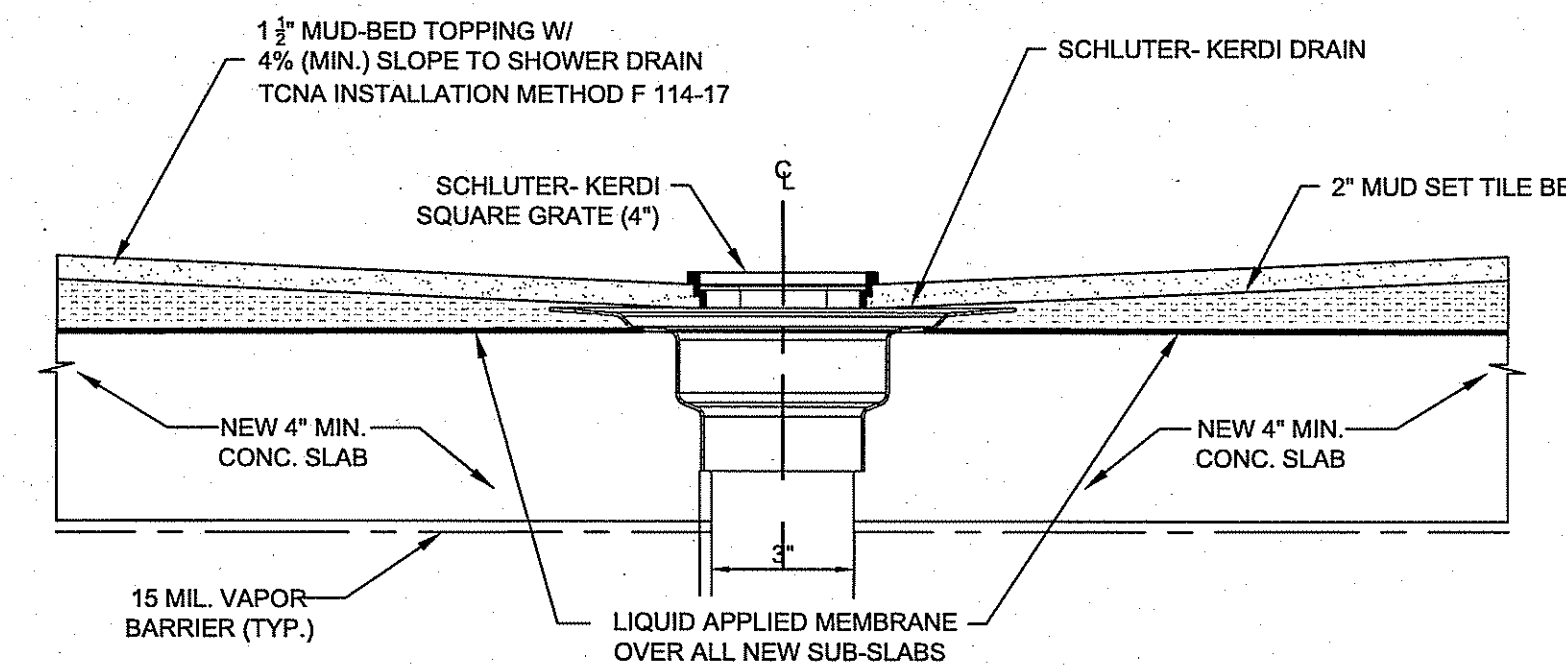


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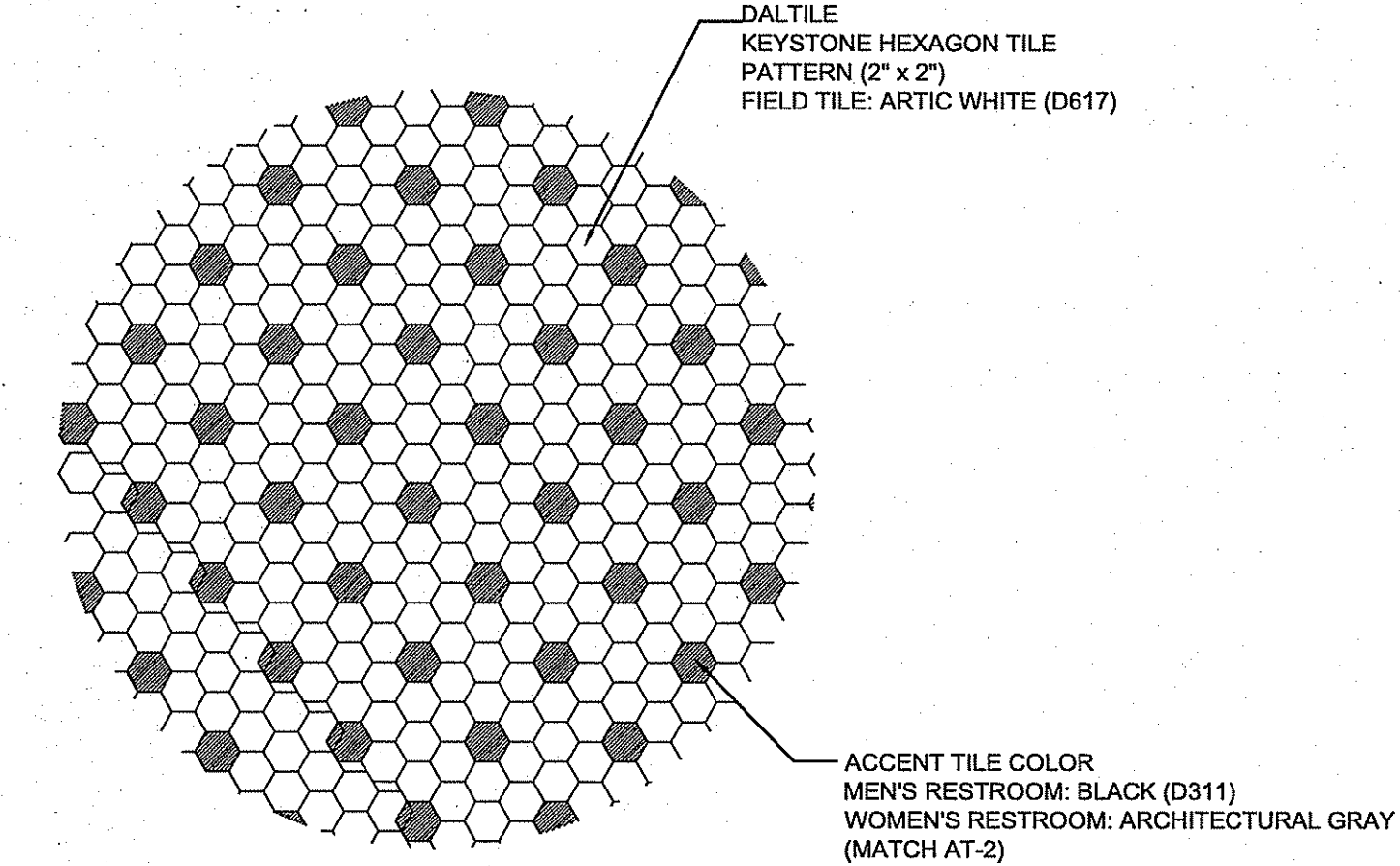
	EXISTING WALLS TO REMAIN
	NEW: MASONRY BLOCK (8'')
	NEW: MASONRY BLOCK (6'')
	NEW: MASONRY BLOCK (4'')
	BRICK VENEER
	EXIST. HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

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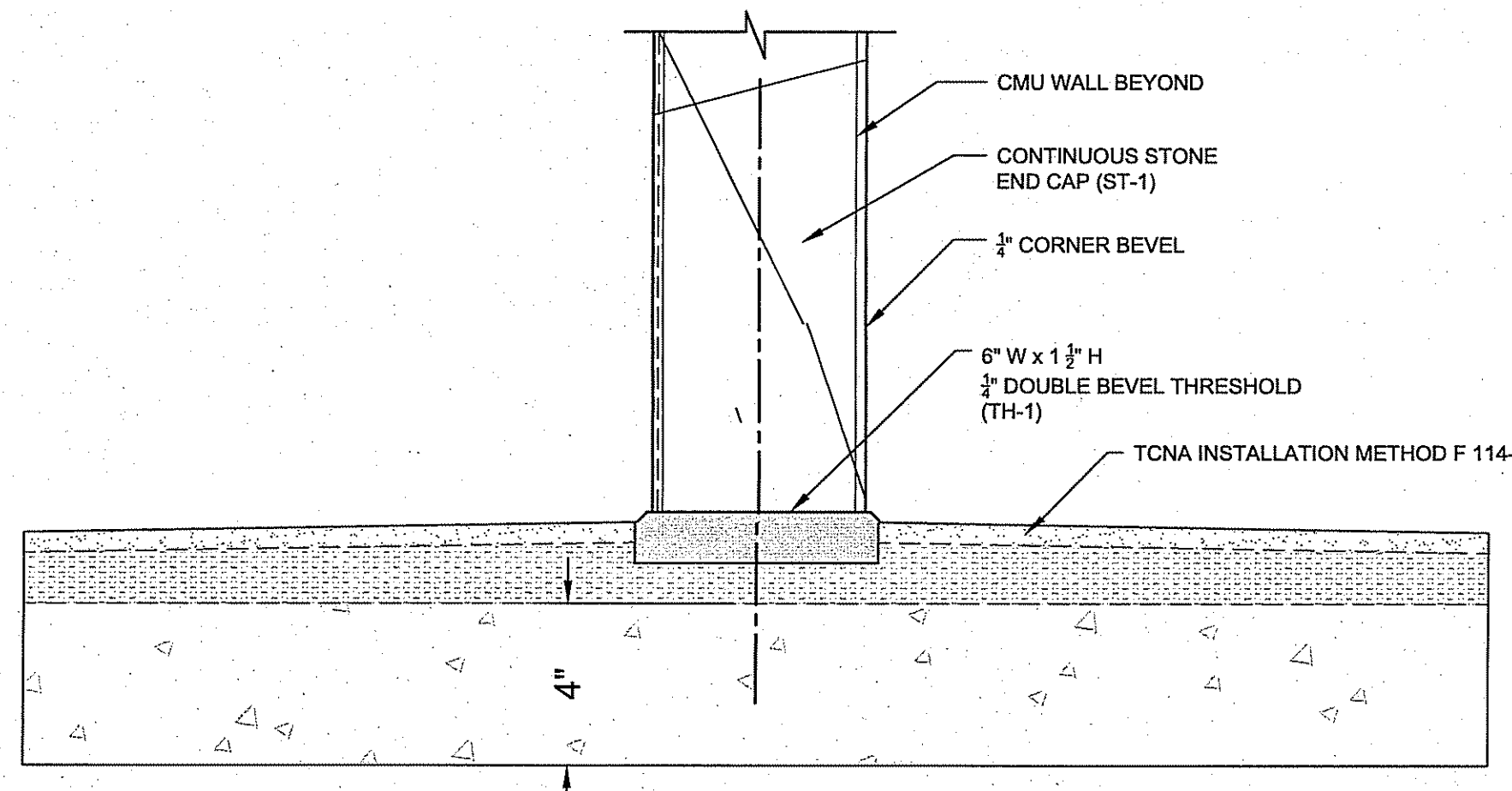
1 FLOOR PLAN: FINISH FLOORING  
 SCALE: 1/4"= 1'-0"



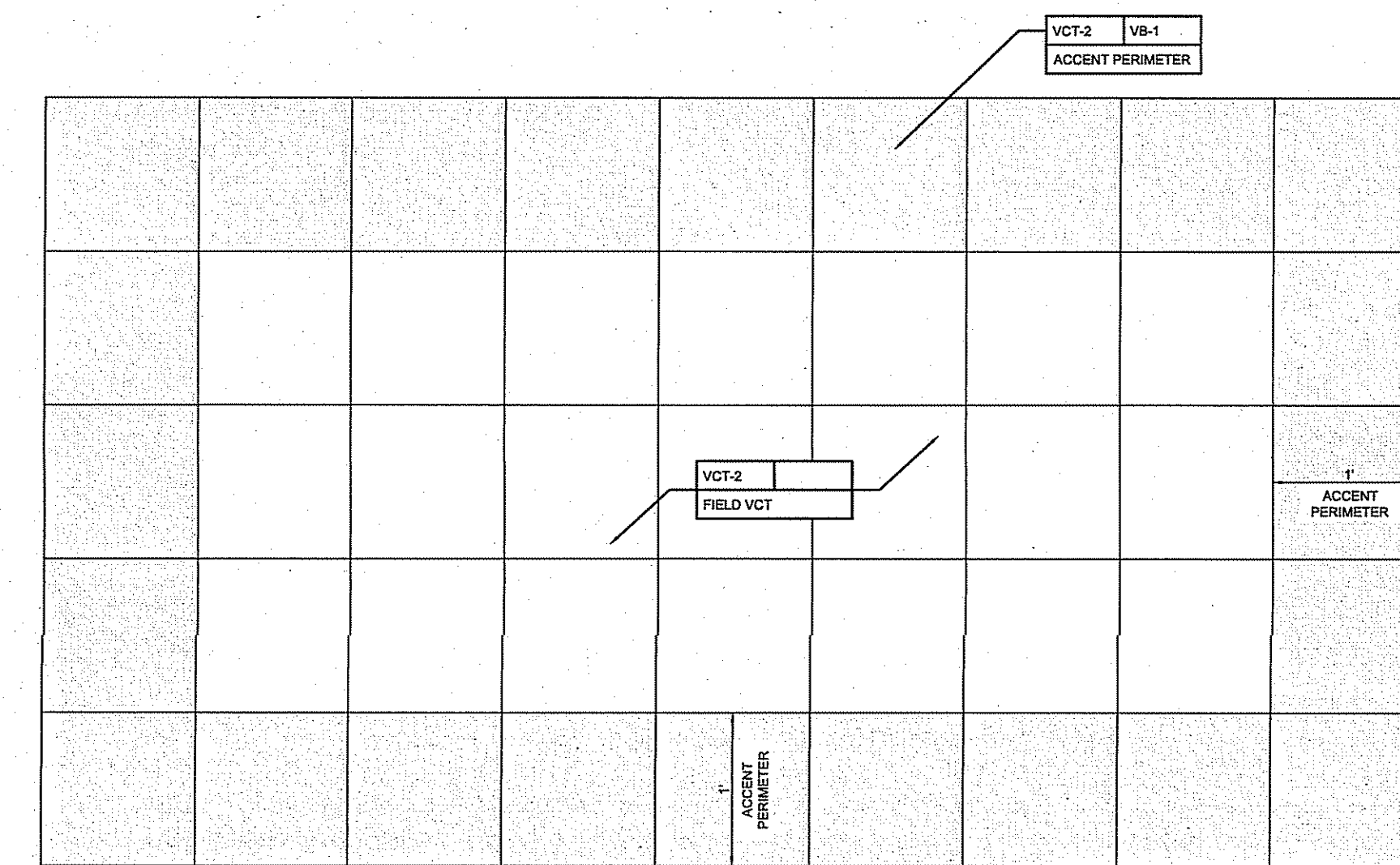
2 TYPICAL FLOOR DRAIN DETAIL  
 SCALE: 3/8"= 1'-0"



4 FLOOR TILE PATTERN  
 SCALE: 1"= 1'-0"



3 THRESHOLD DETAIL @ SHOWERS  
 SCALE: 3/8"= 1'-0"



5 VCT FLOOR PATTERN  
 SCALE: 1"= 1'-0"

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PROFESSIONAL SEAL  
 Thomas J. D'Arrigo Sr.  
 ARCHITECT  
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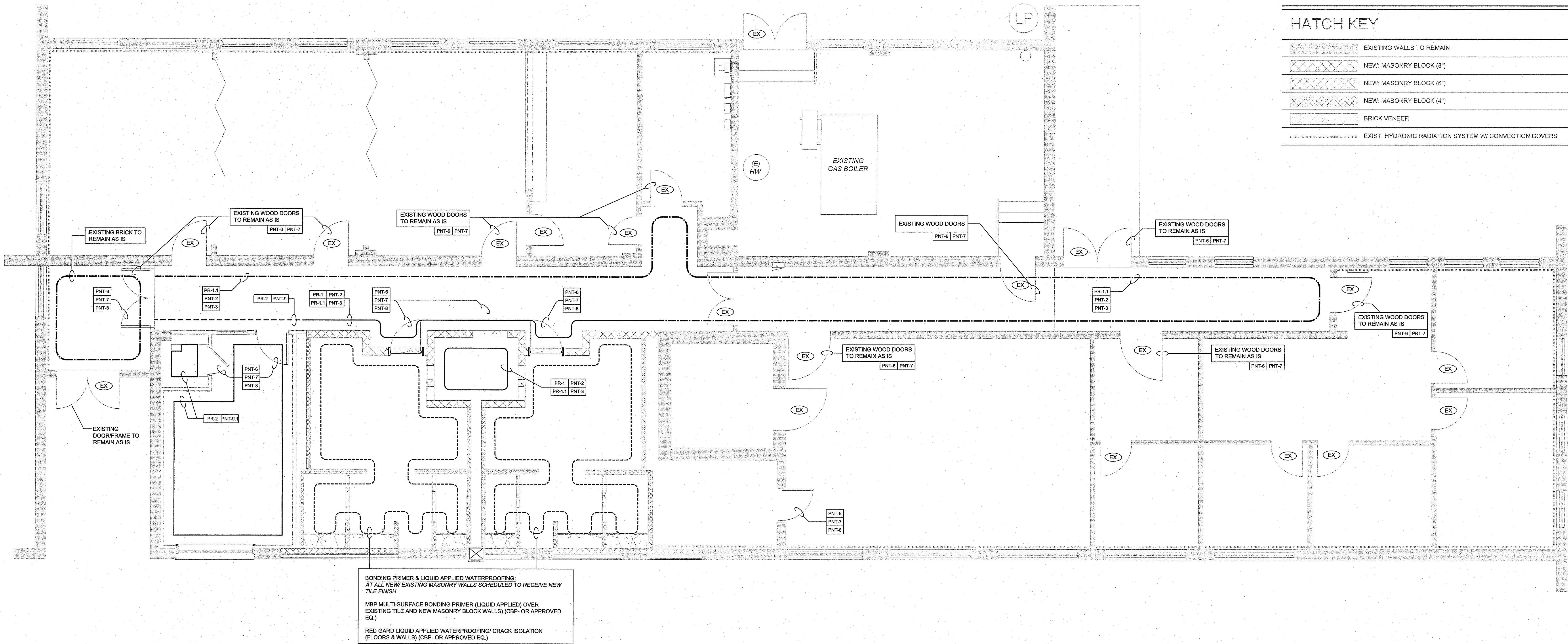
REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	7/28/24	AMENDED SCOPE

DRAWING TITLE:  
 FINISH PLANS & DETAILS

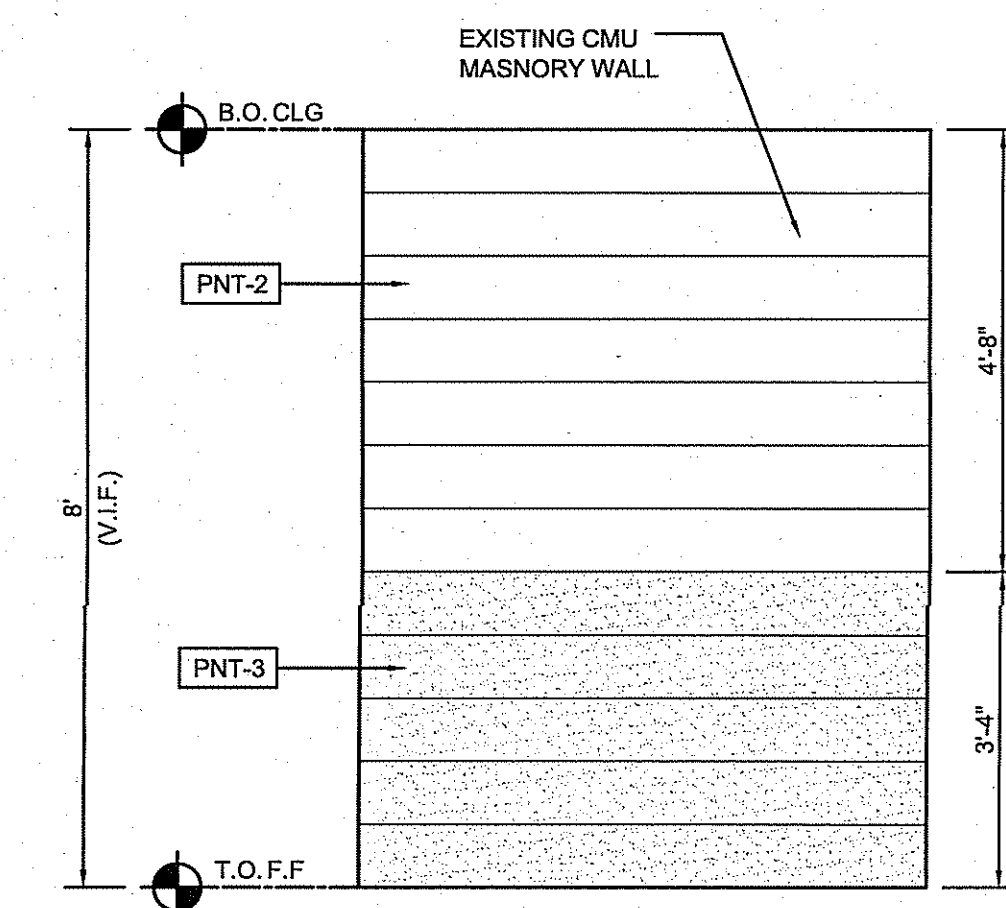
JOB NO.	HA007
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

A-102





1 FLOOR PLAN: FINISH PAINT PLAN  
A-103 SCALE: 1/4"= 1'-0"



2 TYPICAL PAINT (COLOR) PATTERN  
A-103 SCALE: 1/4"= 1'-0"

## HATCH KEY

	EXISTING WALLS TO REMAIN
	NEW: MASONRY BLOCK (8")
	NEW: MASONRY BLOCK (6")
	NEW: MASONRY BLOCK (4")
	BRICK VENEER
	EXIST. HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

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LATRINE & SHOWER ROOM RENOVATION PROJECT:

HAMMONTON NATIONAL GUARD ARMORY  
550 SOUTH EGG HARBOR ROAD  
HAMMONTON, NEW JERSEY 08037

STATE OF NEW JERSEY  
DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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NCARB Certification No. 51492

PROFESSIONAL SEAL  
Thomas J. D'Arrigo Sr.

REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE

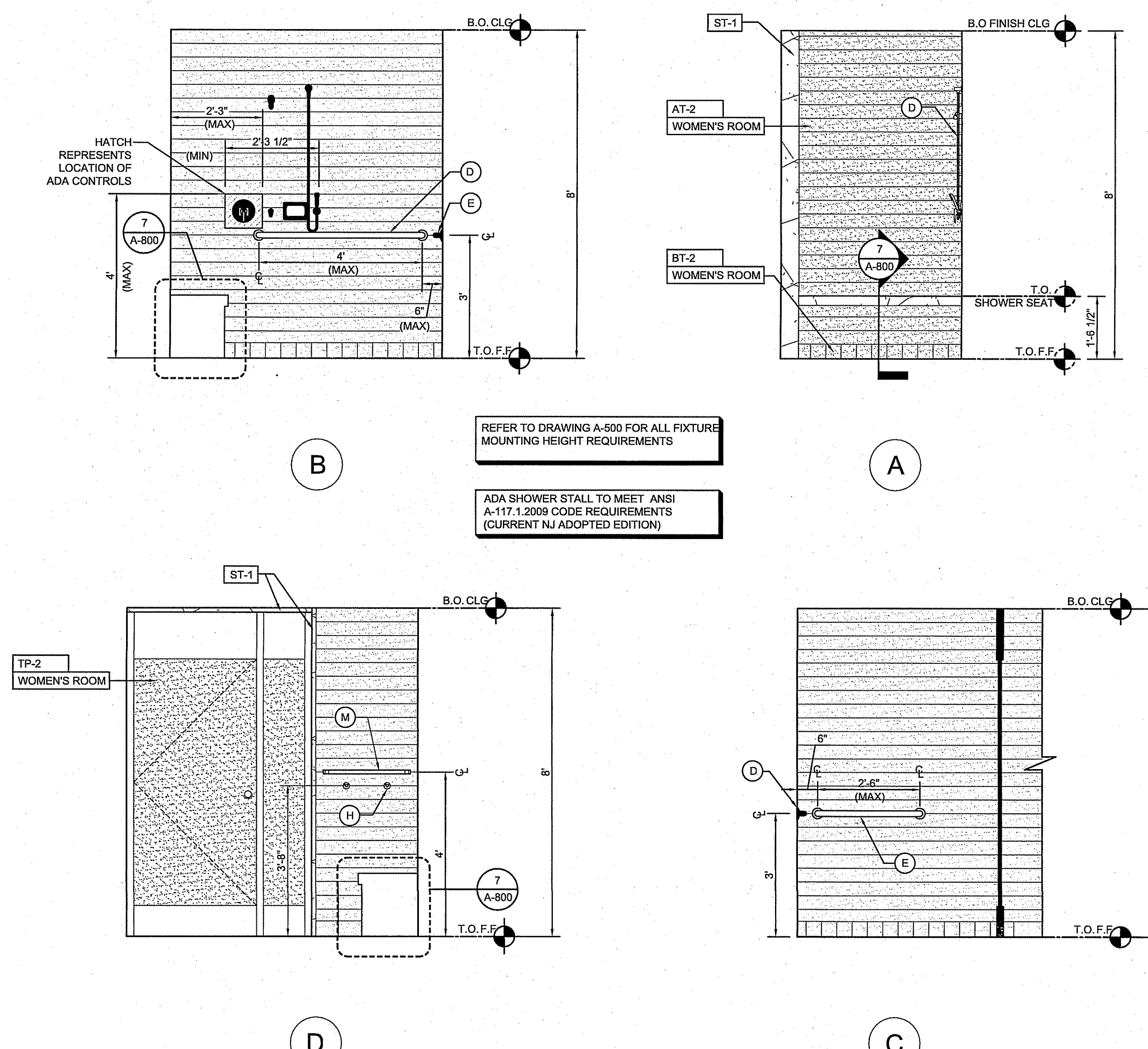
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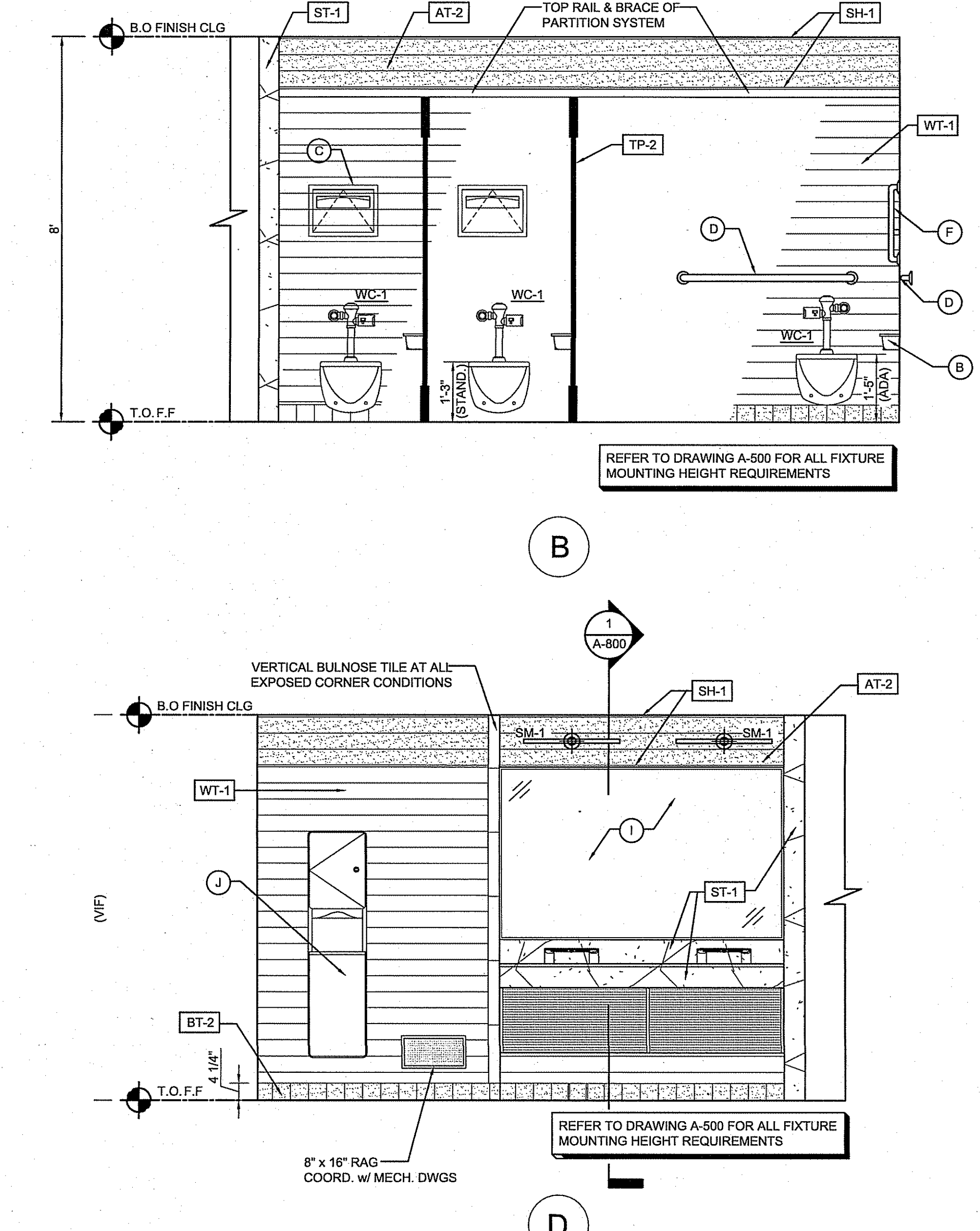
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DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

A-103

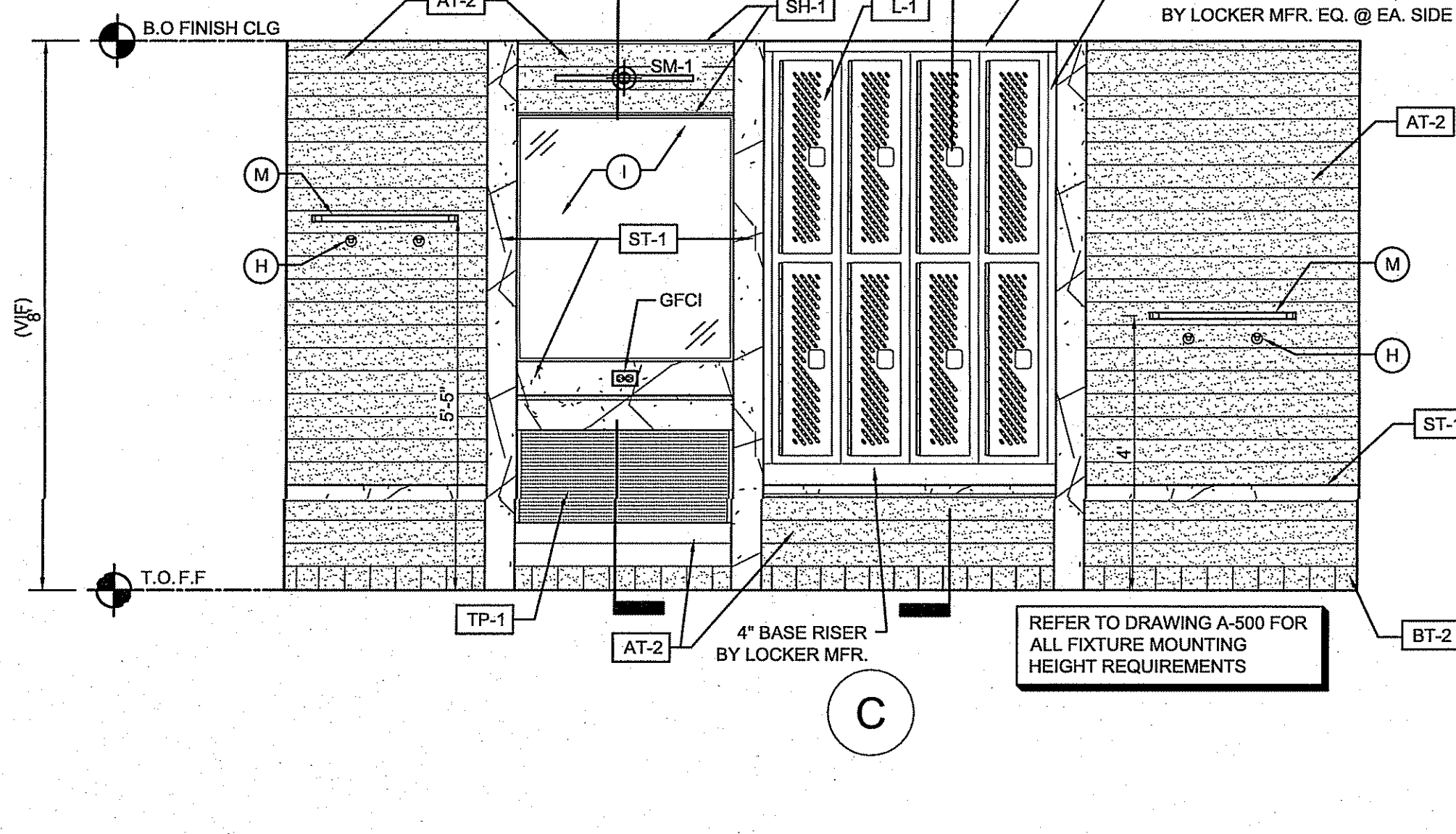
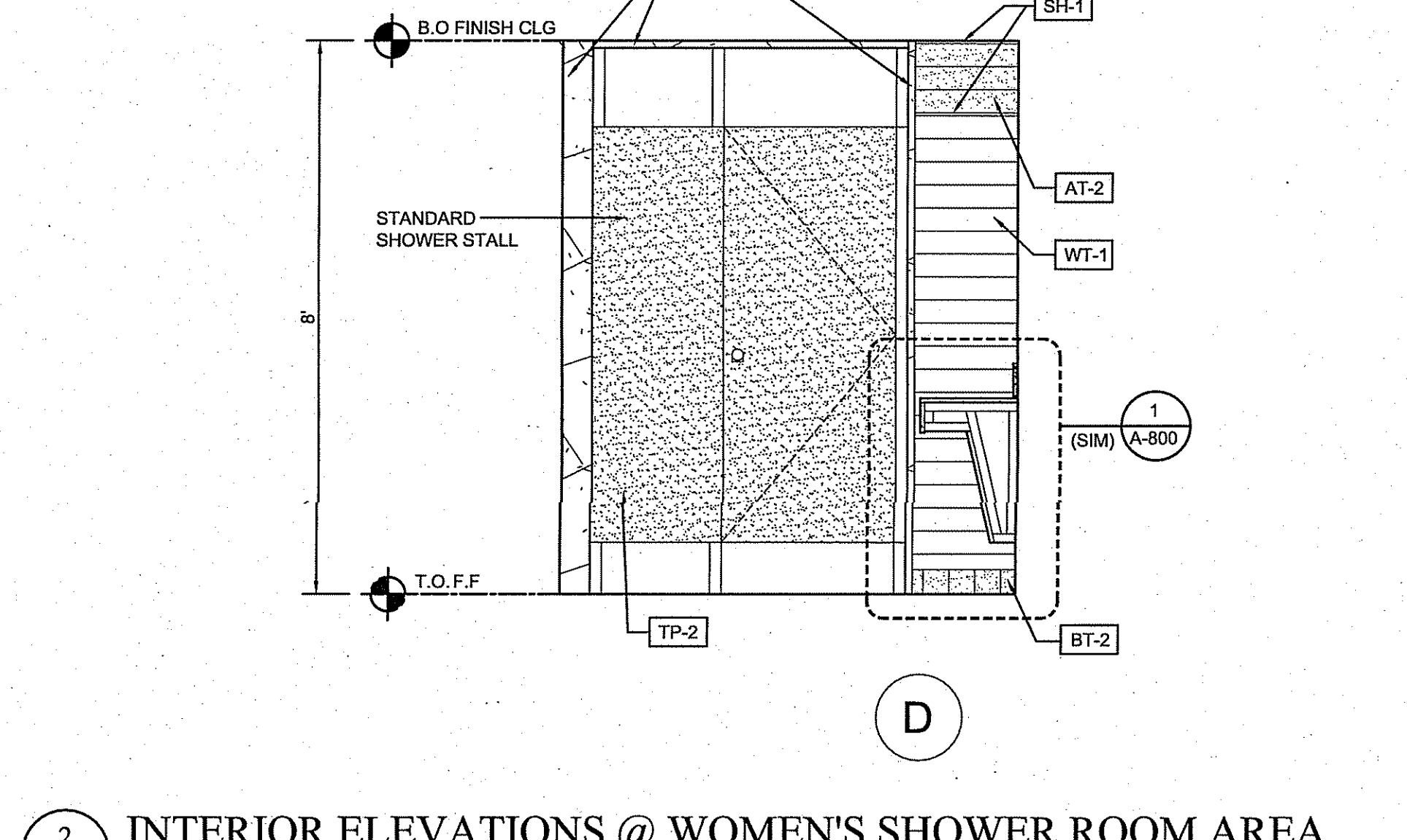
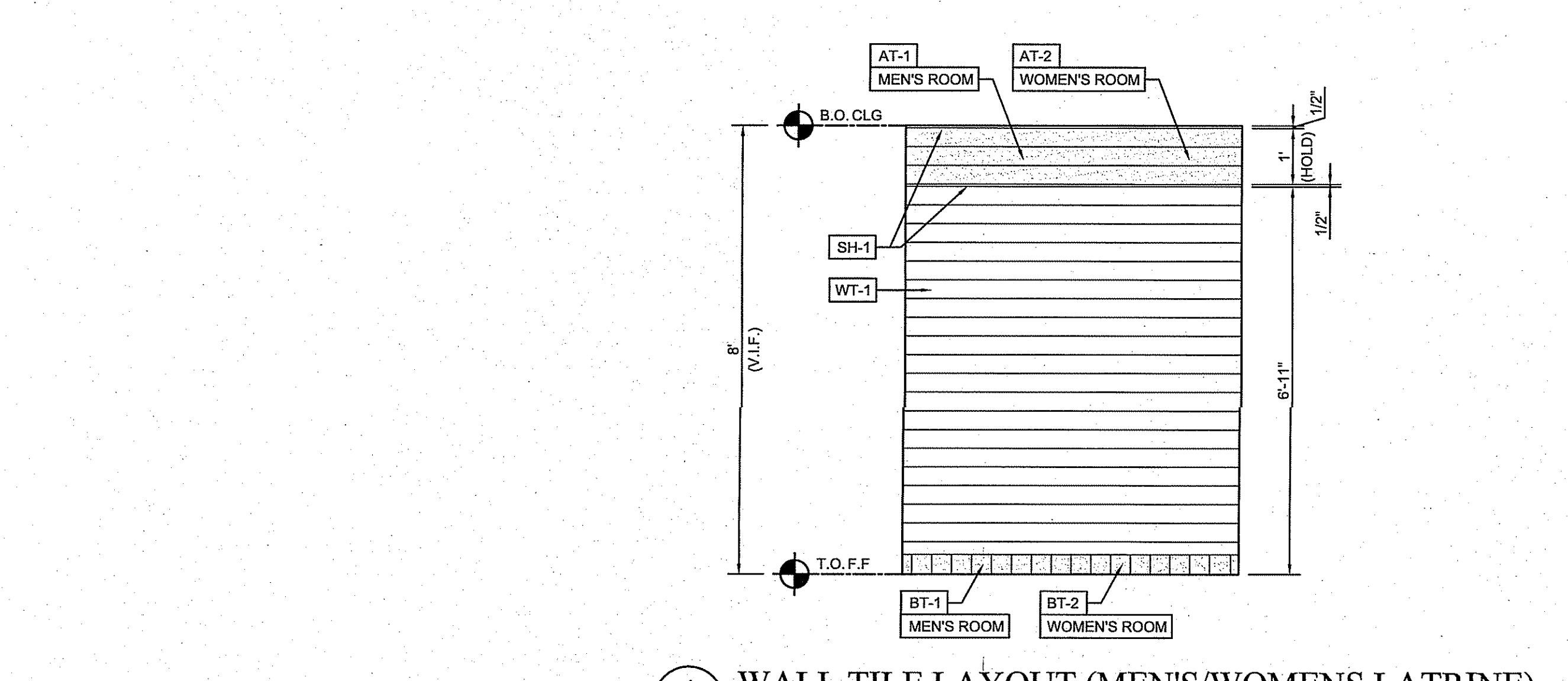
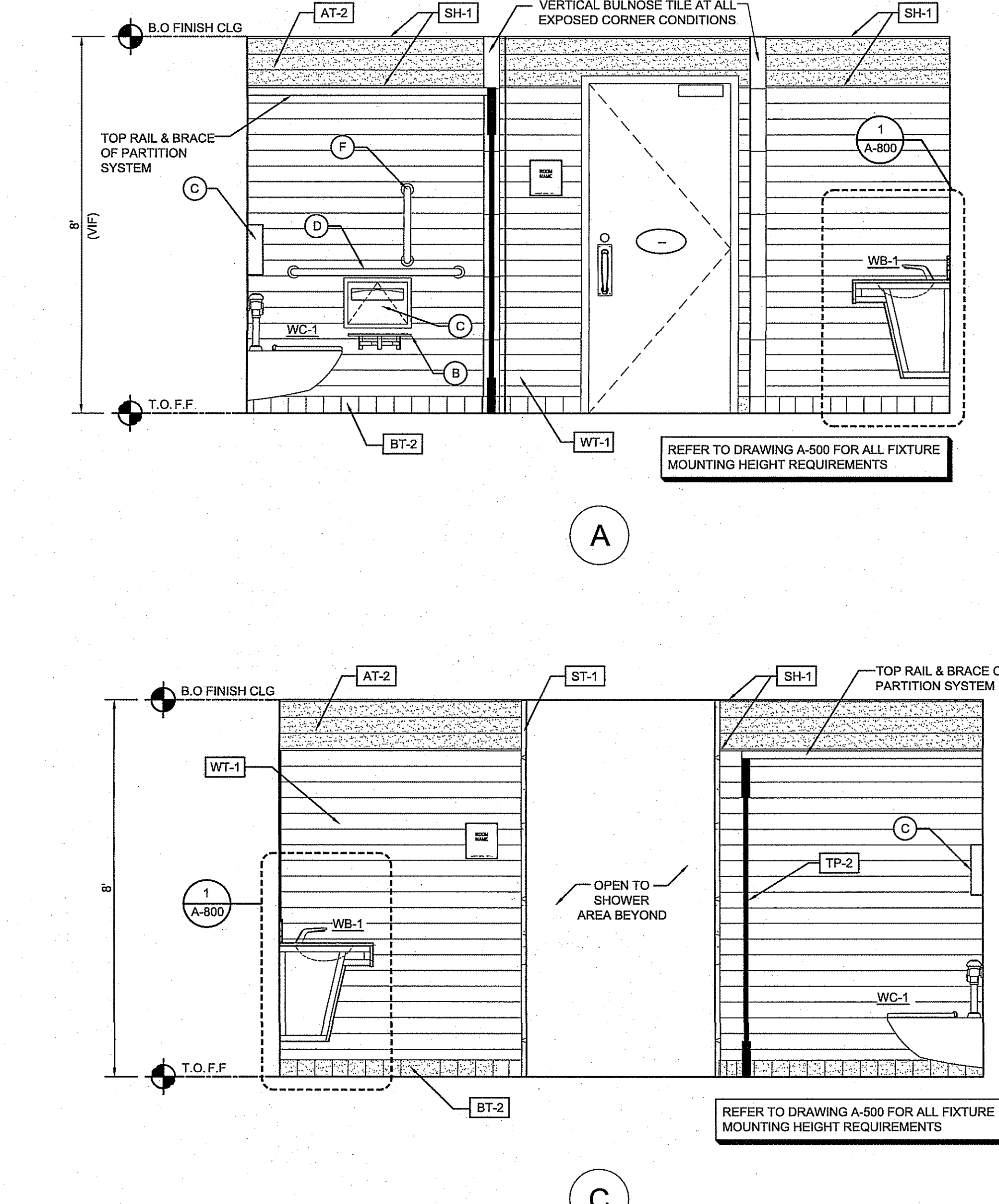




3 ADA SHOWER LAYOUT (WOMEN'S LATRINE)  
A-400 SCALE: 1/2"= 1'-0"



1 INTERIOR ELEVATIONS @ WOMEN'S RESTROOM AREA  
A-400 SCALE: 1/2"= 1'-0"



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

REVISIONS:

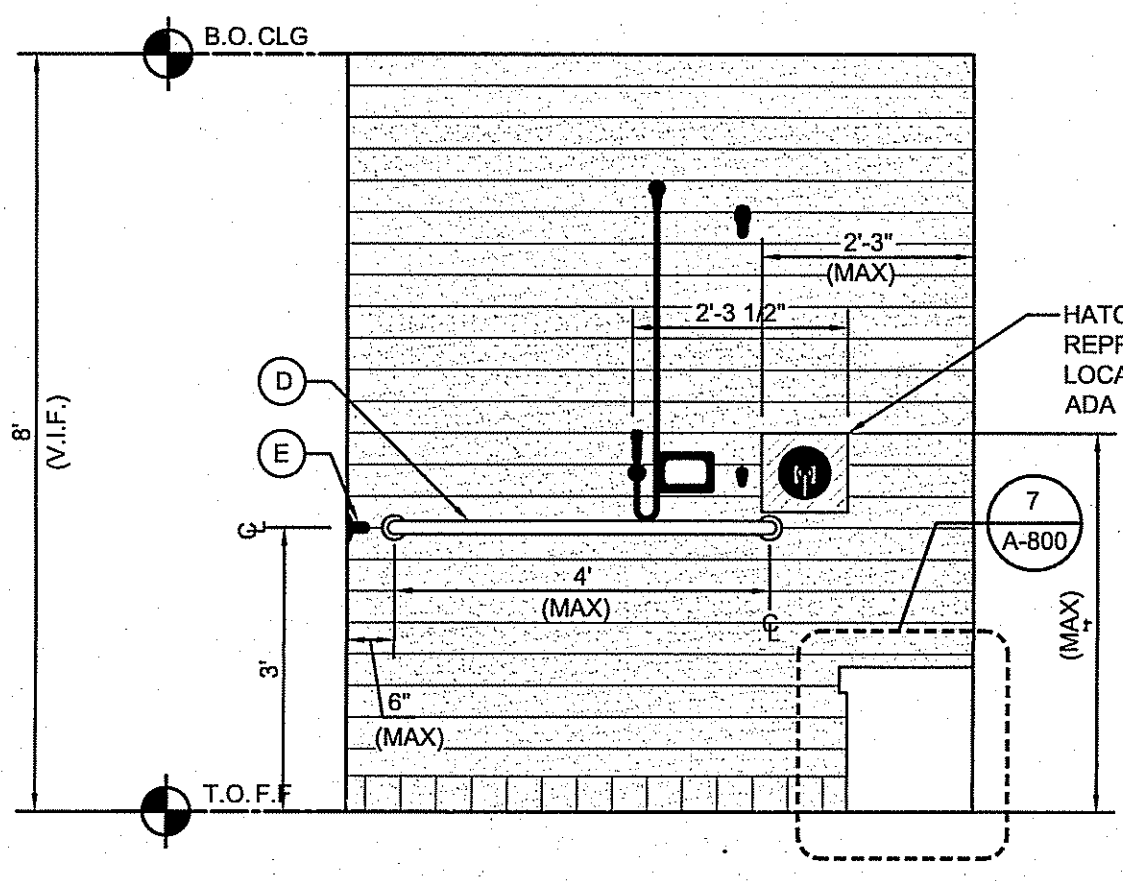
ISSUE	DATE	DESCRIPTION
1	7/28/24	AMENDED SCOPE

DRAWING TITLE:  
INTERIOR BUILDING ELEVATIONS

JOB NO. HA007  
DRN. BY CD  
CHKD TJD  
SCALE AS NOTED  
DATE 12-06-21

A-400

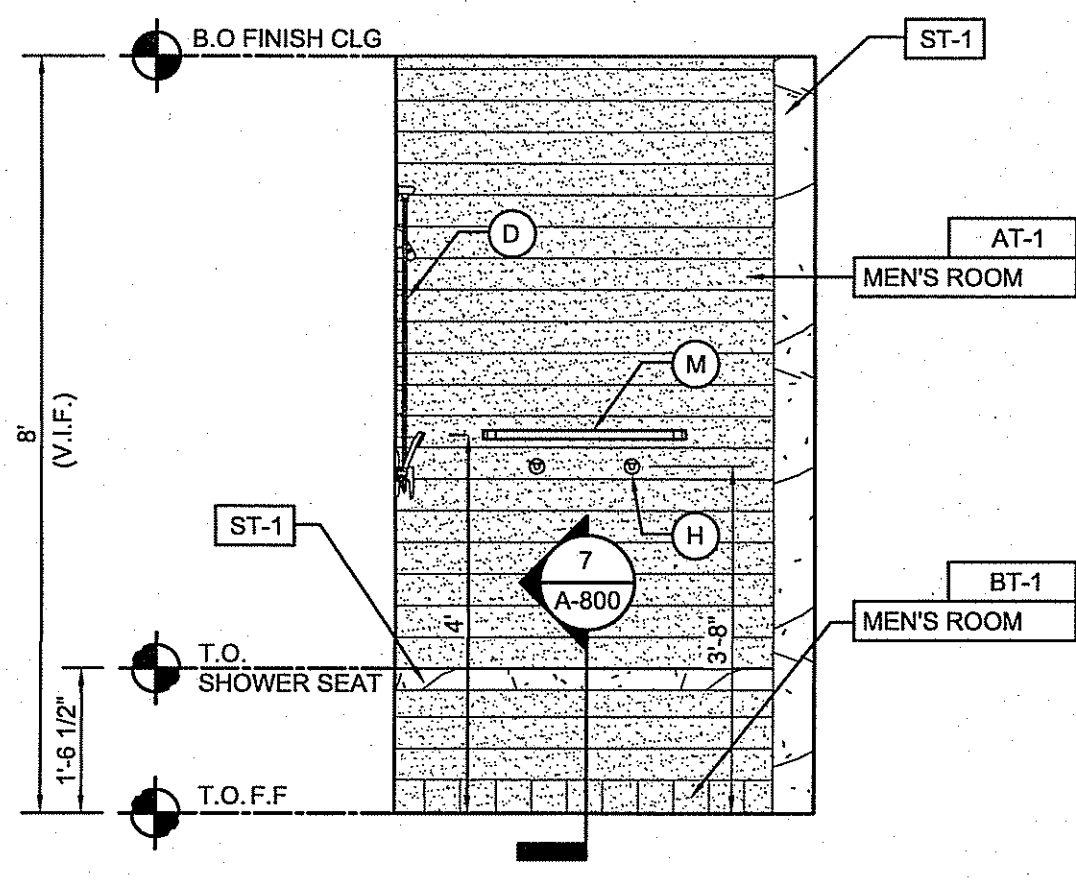




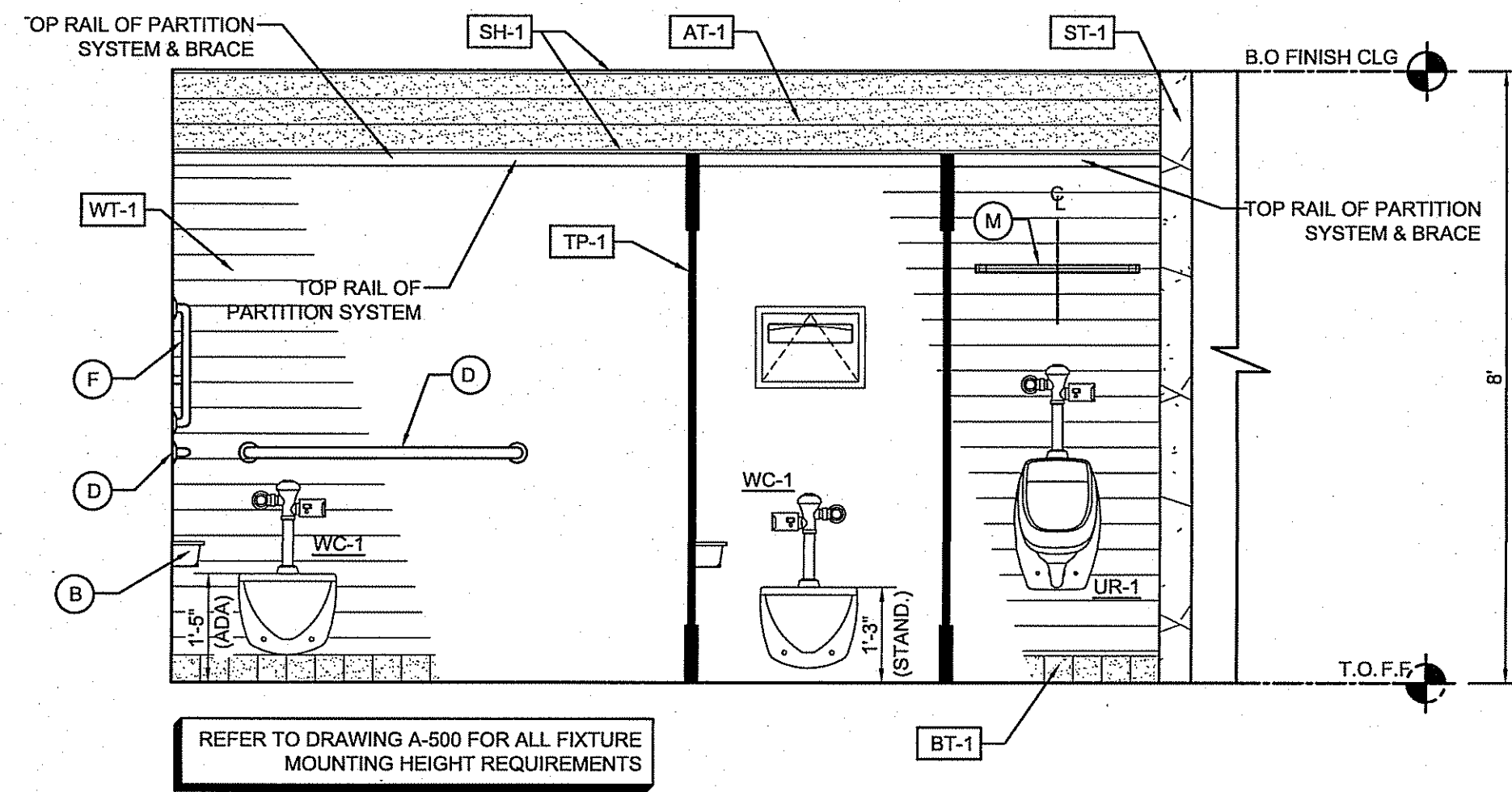
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REFER TO DRAWING A-500 FOR ALL FIXTURE MOUNTING HEIGHT REQUIREMENTS

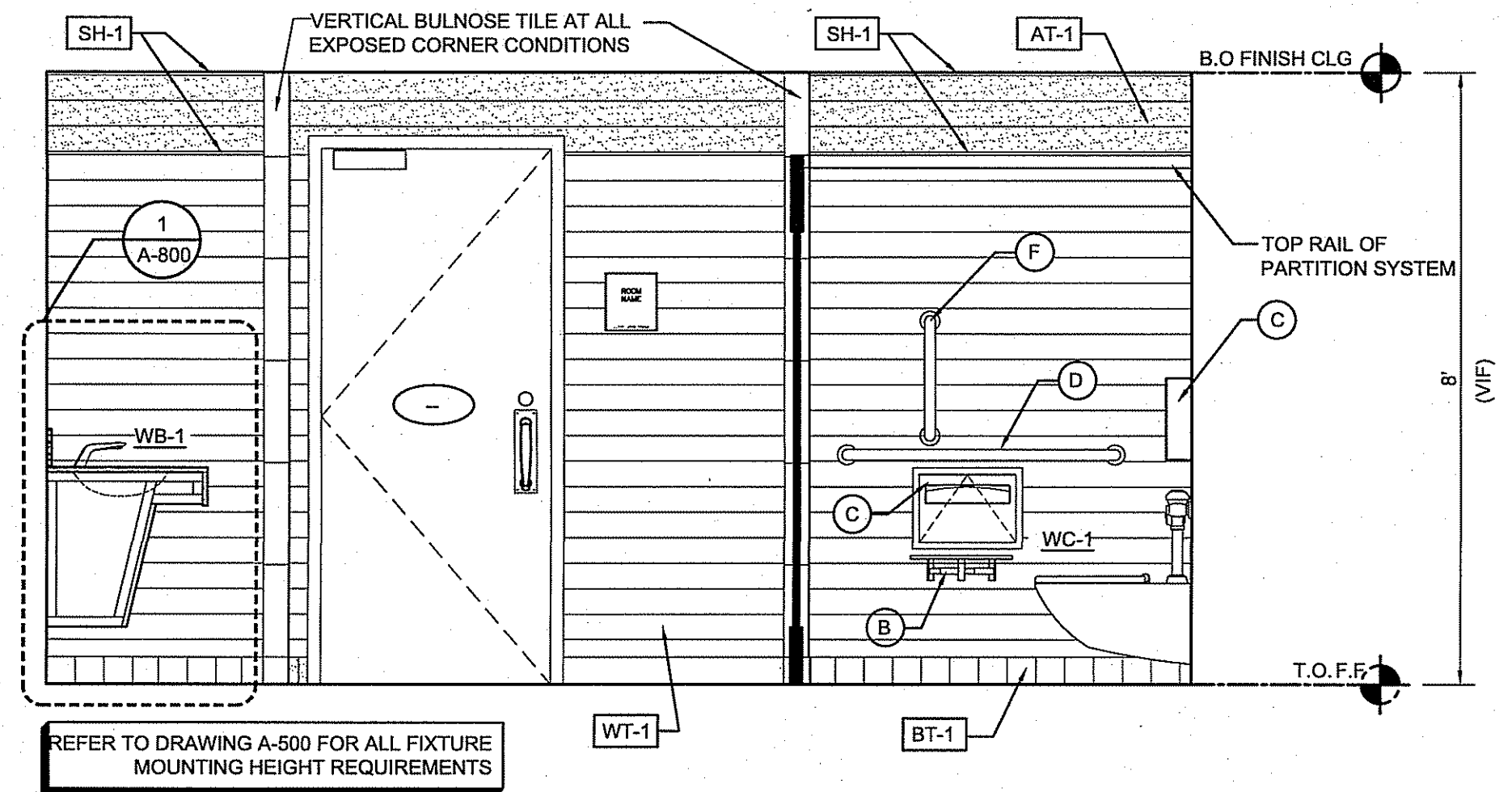
ADA SHOWER STALL TO MEET ANSI A-117.1, 2009 CODE REQUIREMENTS (CURRENT NJ ADOPTED EDITION)



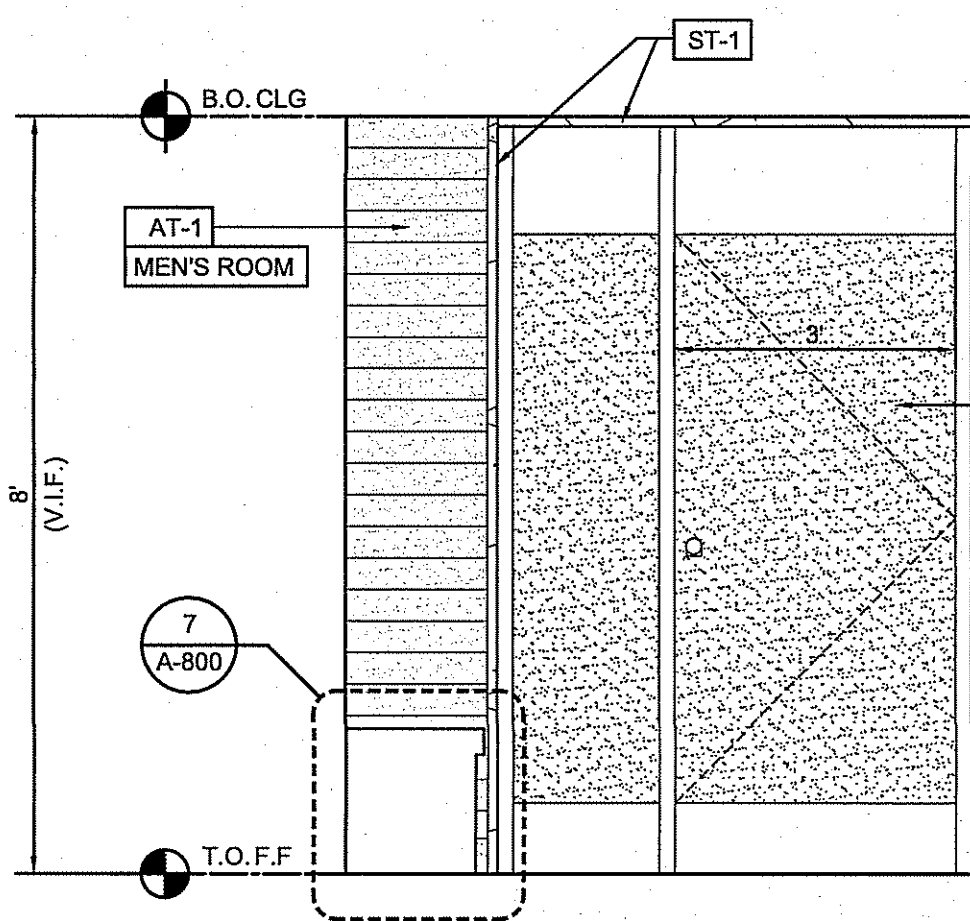
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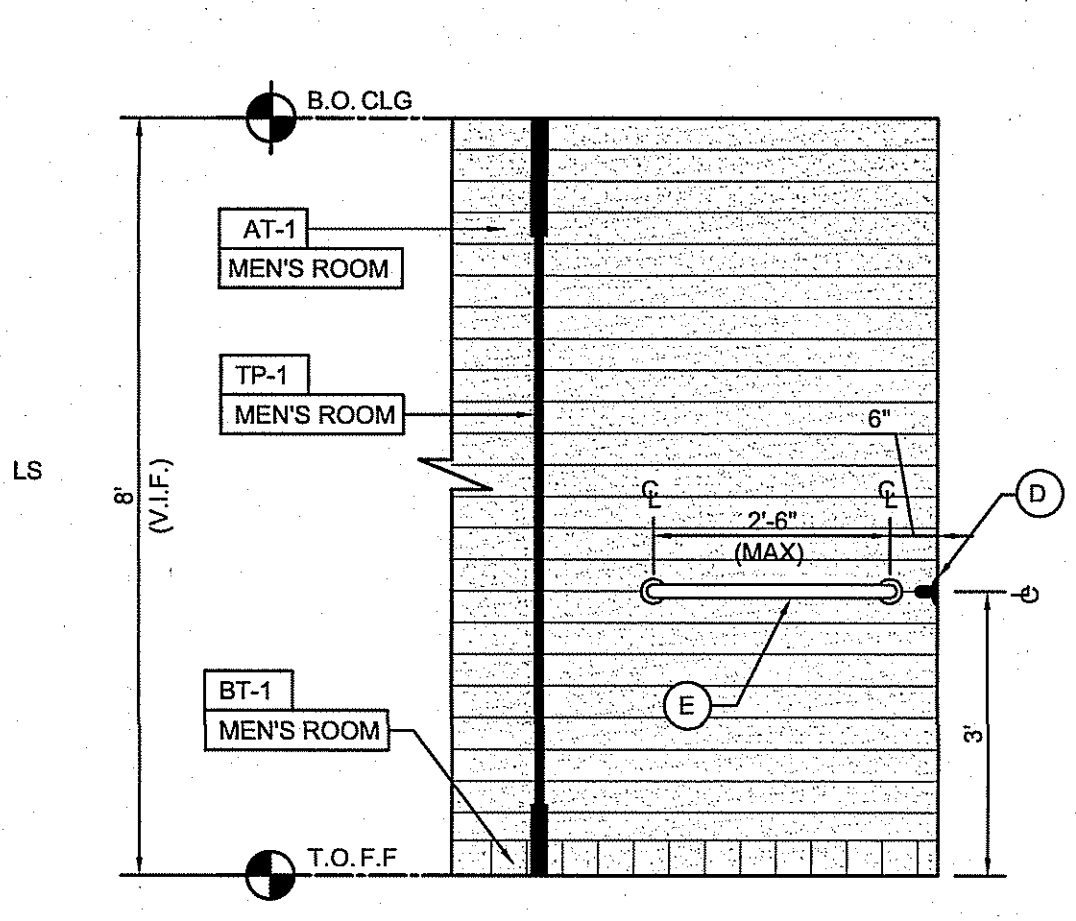
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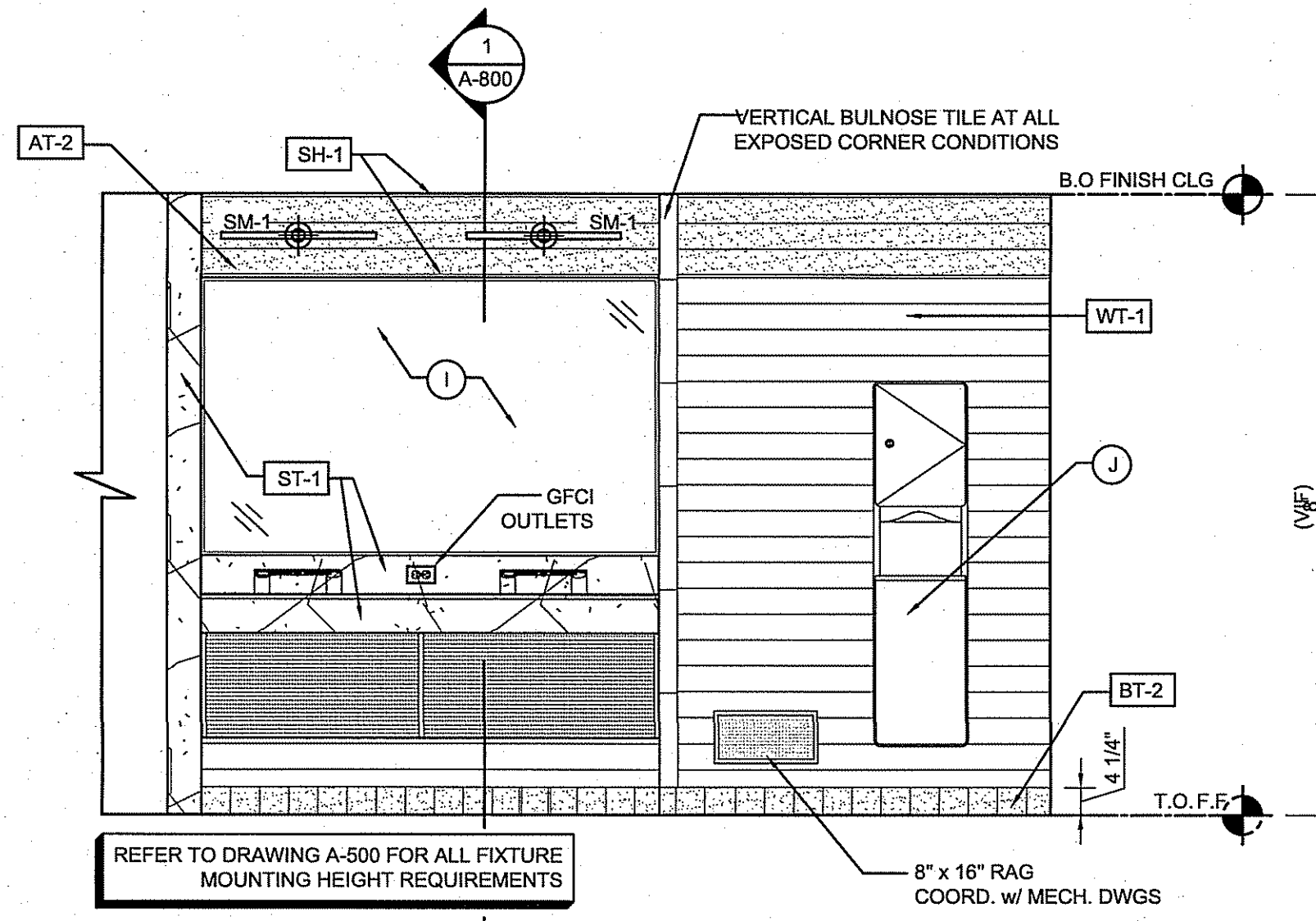
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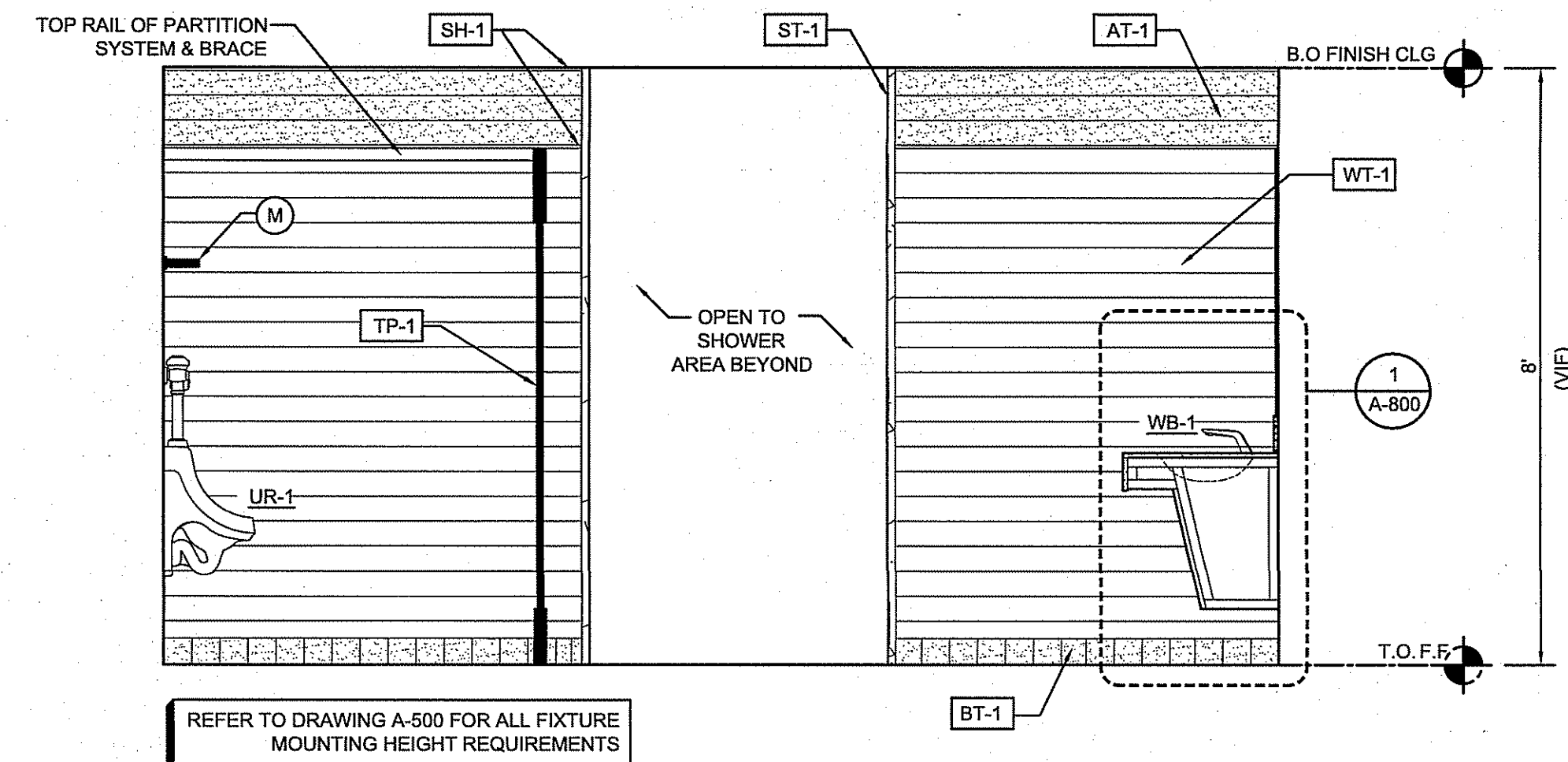
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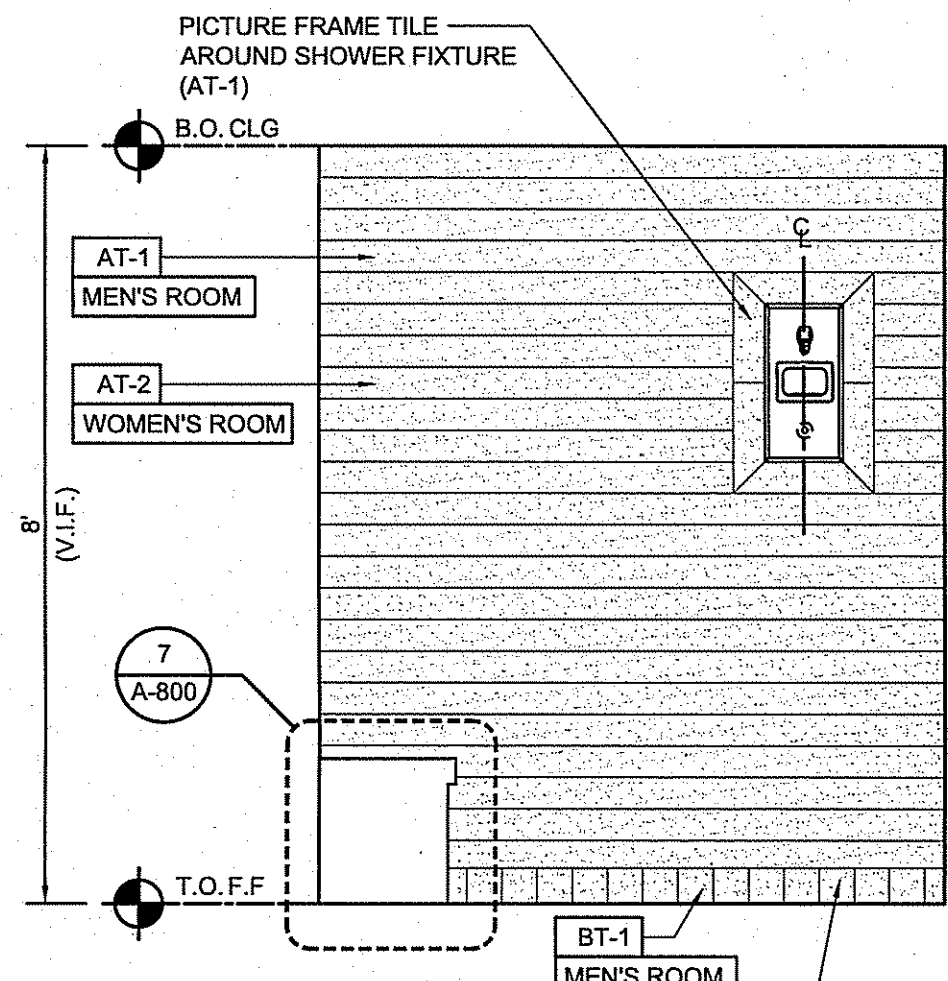
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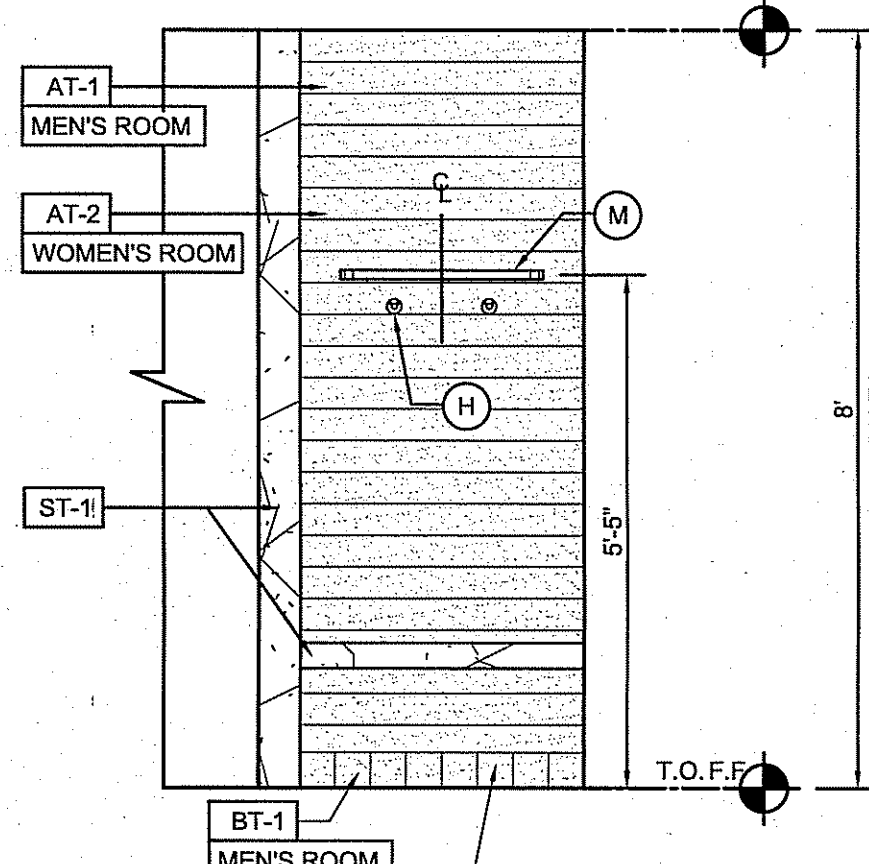
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3 ADA SHOWER LAYOUT (MEN'S LATRINE)  
A-401 SCALE: 1/2"= 1'-0"

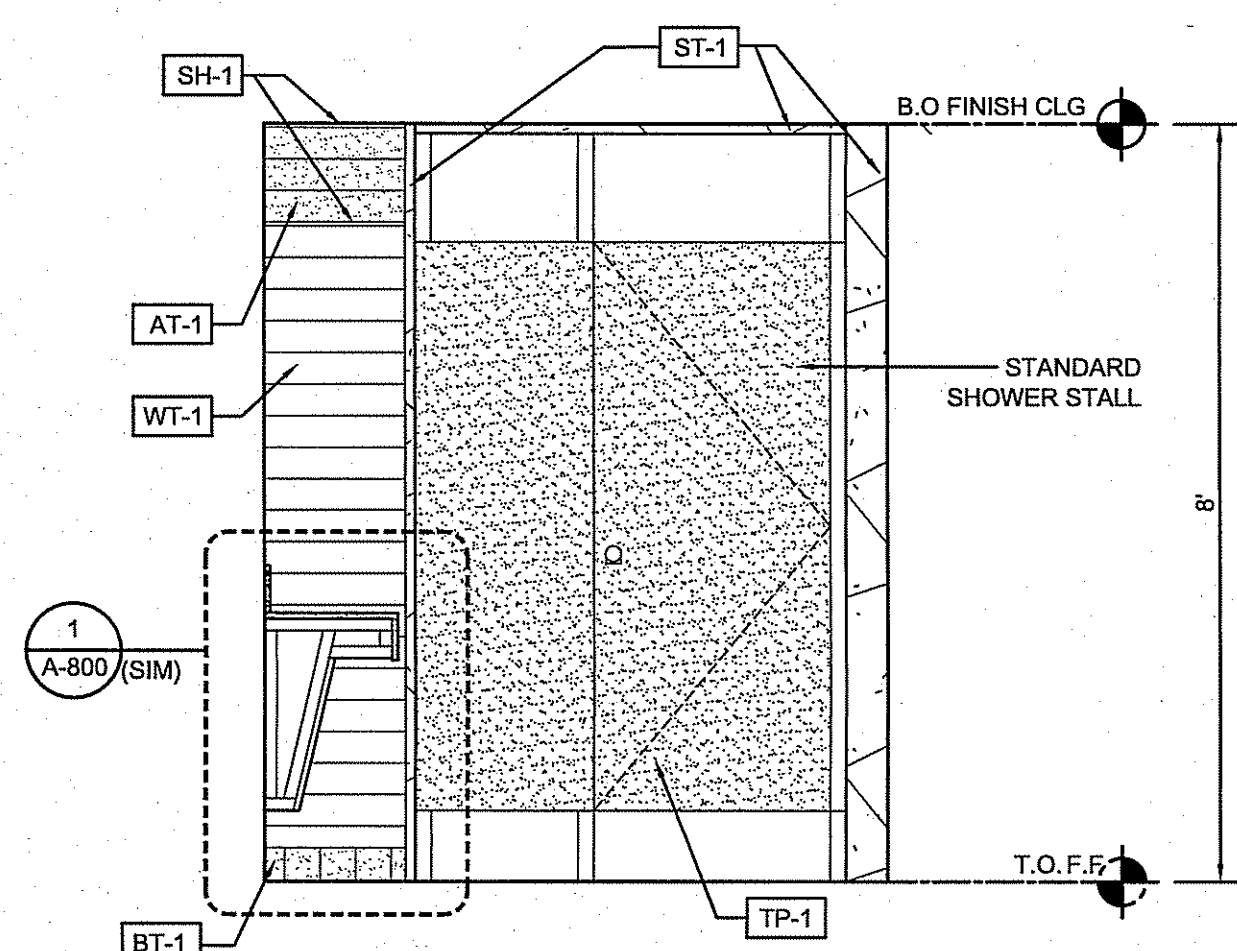
1 INTERIOR ELEVATIONS @ MEN'S RESTROOM AREA  
A-401 SCALE: 1/2"= 1'-0"



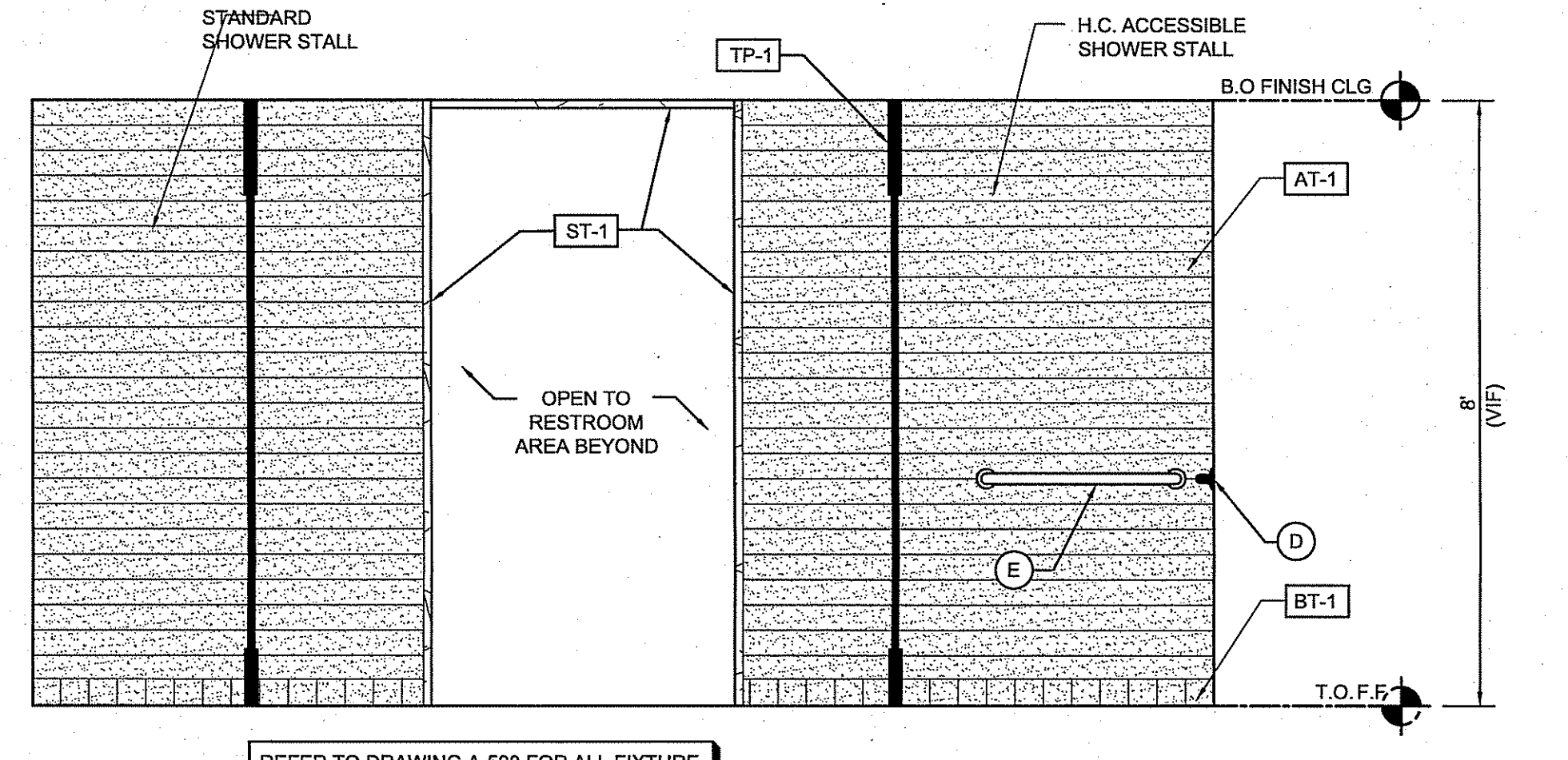
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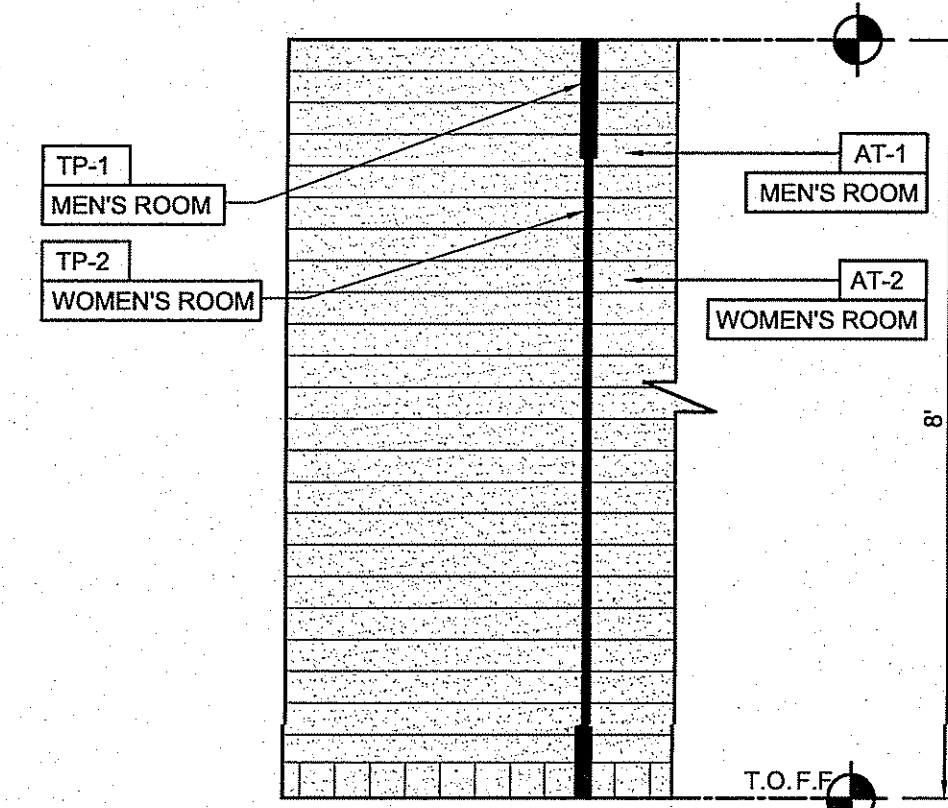
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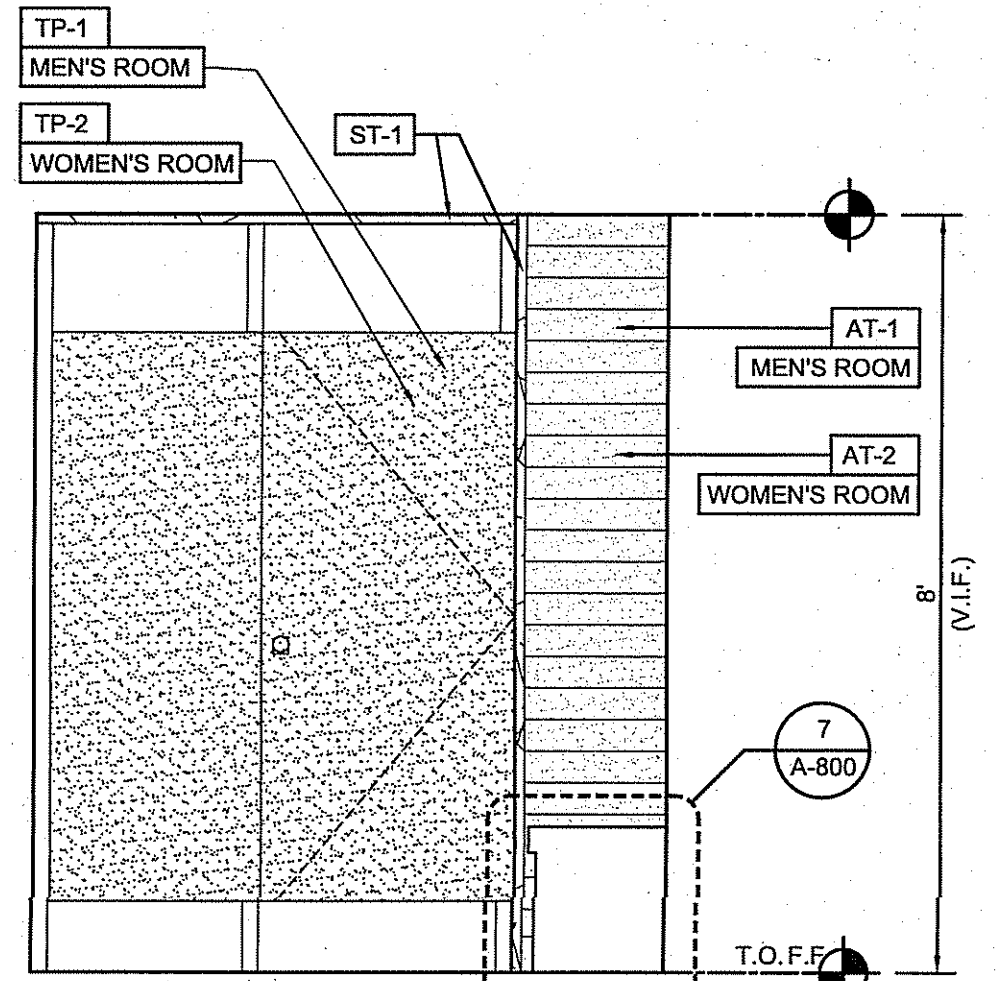
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4 TYPICAL INTERIOR ELEV. @ STANDARD SHOWER (MEN/WOMEN LATRINE)  
A-401 SCALE: 1/2"= 1'-0"

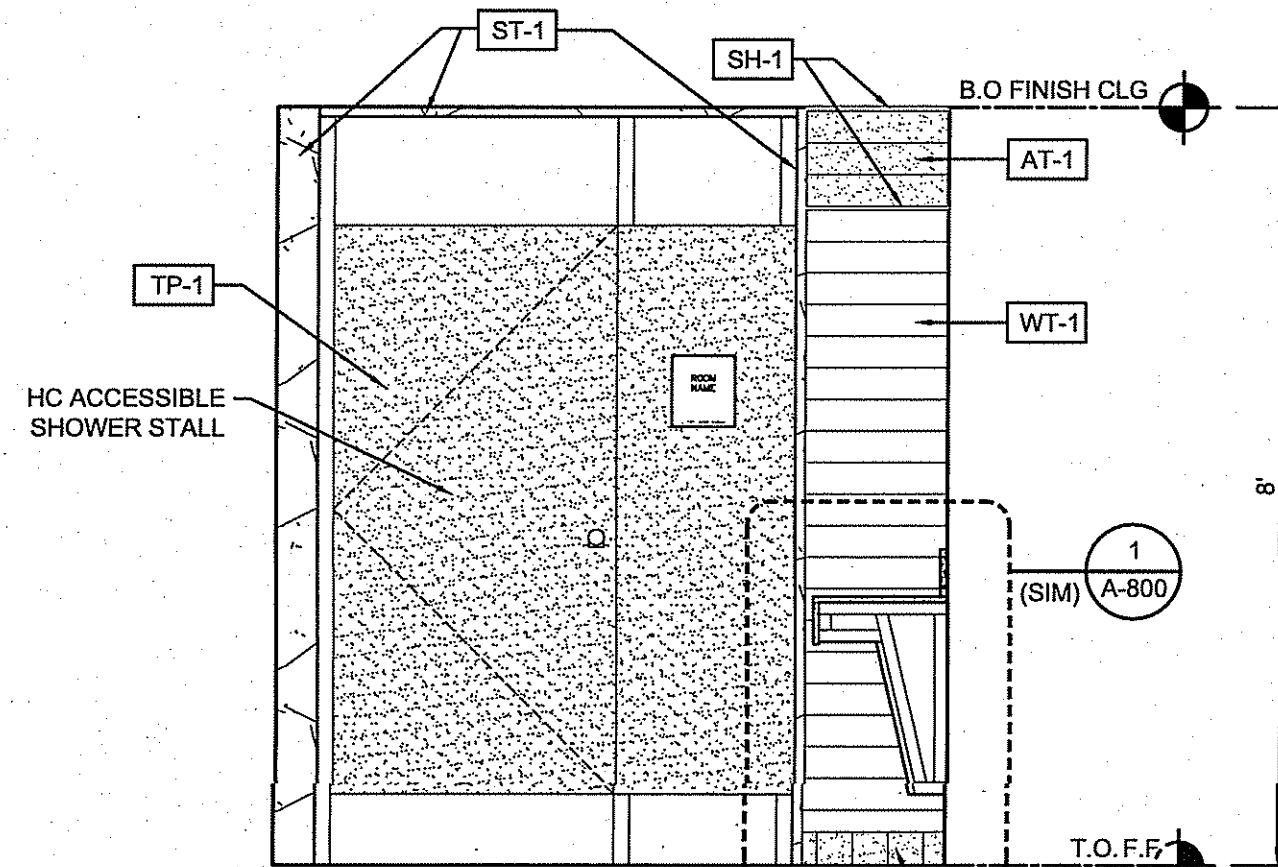
2 INTERIOR ELEVATIONS @ MEN'S SHOWER ROOM AREA  
A-401 SCALE: 1/2"= 1'-0"



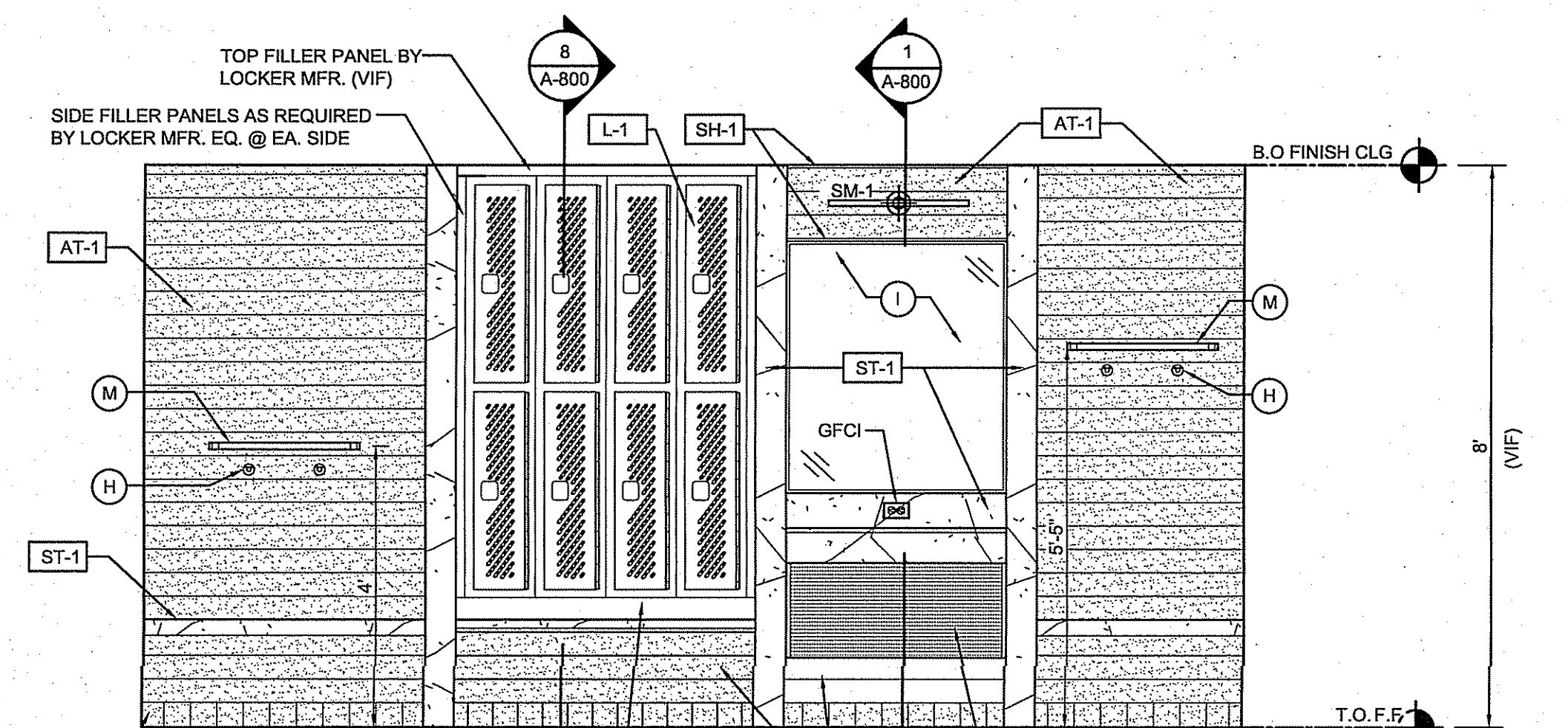
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Professional Seal  
Professional Seal  
Professional Seal

REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE

DRAWING TITLE:  
INTERIOR  
BUILDING ELEVATIONS

JOB NO.	HA007
DRN. BY	CD
CHK'D	TJD
SCALE	AS NOTED
DATE	12-06-21

A-401



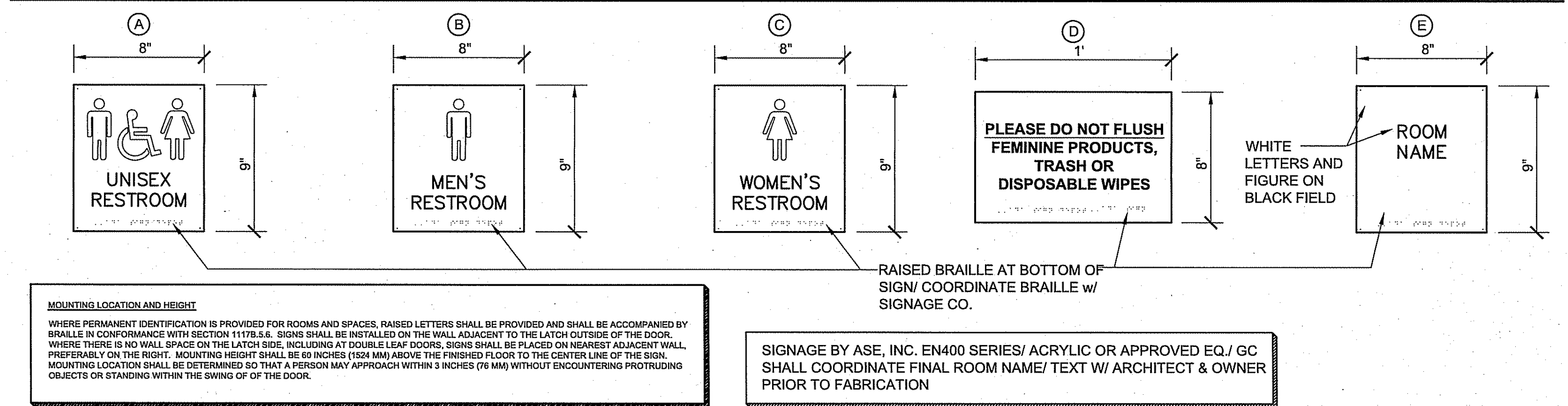
# MOUNTING HEIGHT & FIXTURE SCHEDULE

FIXTURE TAG:	WC	FIXTURE TAG:	UR	FIXTURE TAG:	LAV	FIXTURE TAG:	SHOWER/ STANDARD
FIXTURE:	WATER CLOSET	FIXTURE:	URINAL	FIXTURE:	LAVATORY	FIXTURE:	SHOWER FIXTURE
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. RIM HEIGHT (BARRIER FREE): 18"-19" AFF 2. RIM HEIGHT (AMBULATORY): 17"-18" AFF 3. RIM HEIGHT (STANDARD): 15" AFF 4. CENTERLINE OF WC (RECOMMENDED): 18"		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. RIM HEIGHT (BARRIER FREE): 15" AFF 2. RIM HEIGHT (STANDARD): 17" AFF 3. CENTERLINE OF UR (RECOMMENDED): 18"		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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.		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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.	
FIXTURE TAG: (A)		FIXTURE TAG: (B)		FIXTURE TAG: (C)		FIXTURE TAG: (D)	
FIXTURE: SOAP DISPENSER		FIXTURE: TOILET TISSUE DISPENSER		FIXTURE: TOILET SEAT COVER DISPENSER		FIXTURE: GRAB BAR (42")	
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 30" (MIN) TO 48" (MAX) AFF <b>MOUNTING HEIGHT: (STANDARD)</b> 45" (MIN) TO 59" (MAX) AFF		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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" CLEARANCE BELOW GRAB BAR <b>MOUNTING HEIGHT: (STANDARD)</b> THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. 42" GRAB BAR (HORIZONTAL) 2. CENTER LINE 30"-36" AFF (58" 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	
FIXTURE TAG: (E)		FIXTURE TAG: (F)		FIXTURE TAG: (G)		FIXTURE TAG: (H)	
FIXTURE: GRAB BAR (36")		FIXTURE: GRAB BAR (18")		FIXTURE: SANITARY NAPKIN DISPENSER		FIXTURE: WALL MOUNTED HOOKS	
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 30" (MIN) TO 48" (MAX) AFF <b>MOUNTING HEIGHT: (STANDARD)</b> 45" (MIN) TO 59" (MAX) AFF		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 30" (MIN) TO 48" (MAX) AFF <b>MOUNTING HEIGHT: (STANDARD)</b> 45" (MIN) TO 59" (MAX) AFF		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 30" (MIN) TO 48" (MAX) AFF <b>MOUNTING HEIGHT: (STANDARD)</b> 45" (MIN) TO 59" (MAX) AFF		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 30" (MIN) TO 48" (MAX) AFF <b>MOUNTING HEIGHT: (STANDARD)</b> 45" (MIN) TO 59" (MAX) AFF	
FIXTURE TAG: (I)		FIXTURE TAG: (J)		FIXTURE TAG: (K)		FIXTURE TAG: (L)	
FIXTURE: MIRROR		FIXTURE: PAPER TOWEL & WASTE RECEPTACLE		FIXTURE: HAND DRYERS		FIXTURE: CHILD CHANGING STATION	
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. 36" GRAB BAR (HORIZONTAL) 2. CENTER LINE 30"-36" AFF (58" RECOMMENDED) 2.1. (36" MIN) FROM CENTERLINE OF WC TO WALL/ PARTITION: 24" (MIN) FROM CENTERLINE OPP. DIRECTION		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. 18" GRAB BAR MINIMUM (VERTICAL) 2. CENTER LINE 30"-41" AFF 2.1. (36" RECOMMENDED) 3. 30" TO 41" TO CENTERLINE FROM REAR WALL		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. (1) COAT HOOK REQUIRED AT EACH TOILET PARTITION DOOR. 2. (1) COAT HOOK REQUIRED AT EACH SHOWER STALL PARTITION DOOR	
FIXTURE TAG: (M)		FIXTURE TAG: (N)		FIXTURE TAG: (O)		FIXTURE TAG: (P)	
FIXTURE: TOILETRY SHELF		FIXTURE: CIRCULAR & T-SHAPE: TURNING RADIUS		FIXTURE: SHOWER (ACCESSIBLE): STANDARD ROLL-IN TYPE SHOWER		FIXTURE: SHOWER (ACCESSIBLE): STANDARD ROLL-IN TYPE SHOWER	
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. CENTERLINE FROM FINISH FLOOR 48"		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. BARRIER FREE: PAPER TOWEL DISPENSER OUTLET 48" AFF MAXIMUM, GC TO REFERENCE INSTALLATION GUIDELINES FROM SPECIFIC MFR. 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.		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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 MFR. INSTALLATION INSTRUCTIONS RELATING TO SPECIFIC UNIT DIMENSIONS.	
<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. CENTERLINE FROM FINISH FLOOR 48"		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 1. BARRIER FREE: PAPER TOWEL DISPENSER OUTLET 48" AFF MAXIMUM, GC TO REFERENCE INSTALLATION GUIDELINES FROM SPECIFIC MFR. 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.		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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		<b>MOUNTING HEIGHT: (BARRIER FREE)</b> 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 MFR. INSTALLATION INSTRUCTIONS RELATING TO SPECIFIC UNIT DIMENSIONS.	

# 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: 48 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED FINISH: STAINLESS STEEL SATIN FINISH MODEL NO.: B-5806 x 48 BARRIER FREE: COMPLIANT/ REFER TO MOUNTING HEIGHT REQUIREMENT*	
(E)	GRAB BAR	WALL MOUNTED	BOBRICK	SERIES: 30 INCH / 1-1/4" DIAMETER STRAIGHT GRAB BAR, PENNED FINISH: STAINLESS STEEL SATIN FINISH MODEL NO.: B-5806 x 30 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.: 3" MIRROR WITH 3/4" 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: HAND 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



# 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 703.2. 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

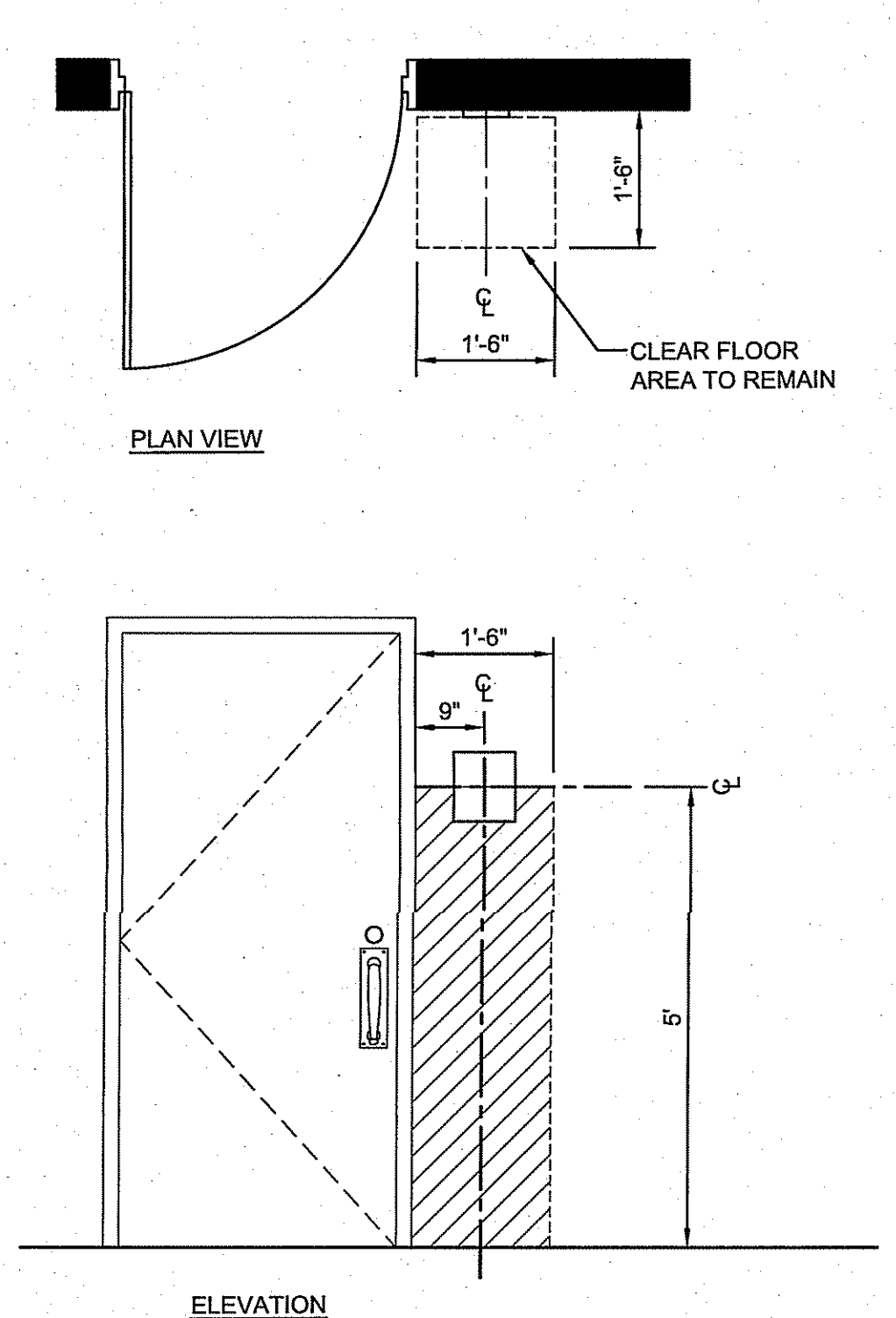
703.4: BRAILLE  
 BRAILLE SHALL BE CONTRACTED (GRADE 2)  
 BRAILLE SHALL COMPLY WITH SECTION 703.4 OF THE ICC A117.1-2009  
 BRAILLE SHALL BE BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW ENTIRE TEXT.  
 BRAILLE SHALL BE SEPARATED 3/4 INCH MINIMUM FROM ANY OTHER RAISED BORDERS AND DECORATIVE ELEMENTS. BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/4 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.

LATRINE & SHOWER ROOM RENOVATION PROJECT:  
 HAMMONTON NATIONAL GUARD ARMORY  
 550 SOUTH EGG HARBOR ROAD  
 HAMMONTON, NEW JERSEY 08037  
 STATE OF NEW JERSEY  
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**REVISIONS:**  
 ISSUE DATE DESCRIPTION  
 1 7/26/24 AMENDED SCOPE

DRAWING TITLE:  
 SCHEDULES

JOB NO. HA007  
 DRN. BY CD  
 CHKD. TJD  
 SCALE AS NOTED  
 DATE 12-06-21

A-500



SCHEDULE:			WALL TILE	
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 GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: BLEACHED WOOD # 545	TCNA METHOD TR711-19
WT-1a	TILE WALL BULLNOSE (16" SIDE)	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" (BULLNOSE 16" SIDE) / S-44D9 FINISH: SEMI-GLOSS COLOR: ARTIC WHITE # 0190 PATTERN: STRETCHER COURSE GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: BLEACHED WOOD # 545	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 GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: CHARCOAL # 60	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 GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: CHARCOAL # 60	TCNA METHOD TR711-19
AT-1	TILE WALL ACCENT	DALTILE	SERIES: ELEVARE GLAZED CERAMIC SIZE: 4" x 16" FINISH: SEMI-GLOSS COLOR: BLACK STRETCHER COURSE PATTERN: 33% OFF-SET GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: CHARCOAL # 60	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 GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: BLEACHED WOOD # 545	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 GROUT: 33% OFF-SET GROUT COLOR: BLEACHED WOOD # 545 GROUT JOINT: 1/8"	TCNA METHOD TR711-19

SCHEDULE:			CEILING			
MARK:	MATERIAL:	MFR.:	DESCRIPTION:	SIZE	COLOR	NOTES
GWB-1	GYPSUM 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 GYPSUM MOISTURE, MOLD & MILDEW RESISTANCE FOR ALL CEILING LOCATIONS	---	---	SUSPENSION SYSTEM: PRELUDE PLUS XL FIRE GUARD 1/2" SUSPENSION SYSTEM OR APPROVED EQ.
CB-1	GYPSUM 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 EQ.
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 EQ.
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 EQ.

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 F122-17 (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 F122-17 (SLABS ABOVE GRADE)
VCT-1	VINYL COMPOSITE FLOOR TILE (FIELD)	ARMSTRONG	SERIES: STANDARD EXCELOX IMPERIAL TEXTURE SIZE: 12" x 12" FLOOR SEALER: ARMSTRONG S-480 COMMERCIAL FLOOR POLISH PRIOR TO FINISH POLISH APPLY MINIMUM (2) TWO COATS  FINISH POLISH: ARMSTRONG S-480 COMMERCIAL FLOOR POLISH APPLY MINIMUM (2) TWO COATS	REFER TO MANUFACTURER SPECIFICATION
VCT-2	VINYL COMPOSITE FLOOR TILE (ACCENT)	ARMSTRONG	SERIES: STANDARD EXCELOX IMPERIAL TEXTURE SIZE: 12" x 12" FLOOR SEALER: ARMSTRONG S-480 COMMERCIAL FLOOR SEALER PRIOR TO FINISH POLISH APPLY MINIMUM (2) TWO COATS  FINISH POLISH: ARMSTRONG S-480 COMMERCIAL FLOOR POLISH APPLY MINIMUM (2) TWO COATS	REFER TO MANUFACTURER SPECIFICATION

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 PATTERN: STRETCHER COURSE GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: CHARCOAL # 60	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 PATTERN: STRETCHER COURSE GROUT: 33% OFF-SET GROUT COLOR: CUSTOM PLOYBLEND NON-SANDED CEMENTITIOUS WALL TILE GROUT GROUT JOINT: CHARCOAL # 60	TCNA METHOD TR711-19
VB-1	VINYL COMPOSITE FLOOR COVE BASE	ARMSTRONG	SERIES: STANDARD EXCELOX 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: B42W400B42V401 TYPE: KEM CATI-COAT HS EPOXY FILLER/ SEALER FINISH: BLOCK FILLER (WET AREAS) COLOR CODE: -- COLOR NAME: --		
PR-1.1	PRIMER: CMU/ MASONRY (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	PRIMER: GYPSUM BOARD	MANUFACTURER: SHERWIN WILLIAMS SERIES: B28W2800 TYPE: PRO MAR 200 ZERO VOC LATEX PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --		
PR-3	PRIMER: NON-FERROUS METALS - STEEL GALVANIZED	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-310 TYPE: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --		
PNT-1	GYPSUM BOARD- CEILINGS AND SOFFITS	MANUFACTURER: SHERWIN WILLIAMS SERIES: B30-2600 TYPE: PRO MAR 200 ZERO VOC INTERIOR LATEX FINISH: FLAT (GLOSS LEVEL 1) COLOR CODE: SW7757 COLOR NAME: HIGH REFLECTIVE WHITE		
PNT-2	CMU- FIELD	MANUFACTURER: SHERWIN WILLIAMS SERIES: B30-2600 TYPE: PRO MAR 200 ZERO VOC INTERIOR LATEX FINISH: TBD COLOR CODE: TBD COLOR NAME: TBD		
PNT-3	CMU- FIELD	MANUFACTURER: SHERWIN WILLIAMS SERIES: -- TYPE: -- FINISH: -- COLOR CODE: TBD COLOR NAME: TBD		
PNT-6	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES PRIMER	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-310 TYPE: PRO INDUSTRIAL PRO-CRYL UNIVERSAL PRIMER FINISH: PRIMER COLOR CODE: -- COLOR NAME: --		
PNT-7	NON-FERROUS METAL- GALVANIZED/ ALUMINUM SURFACES ALUMINUM FRAMES	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 ALUMINUM DOORS	MANUFACTURER: SHERWIN WILLIAMS SERIES: B66-650 TYPE: PRO INDUSTRIAL ACRYLIC FINISH: SEMI-GLOSS COLOR CODE: -- COLOR NAME: BLACK		
PNT-9	GYPSUM BOARD- WALLS	MANUFACTURER: SHERWIN WILLIAMS SERIES: B30-2600 TYPE: PRO MAR 200 ZERO VOC INTERIOR LATEX FINISH: -- COLOR CODE: TBD COLOR NAME: TBD		
PNT-9.1				

- NOTES:
- ALL SURFACES SCHEDULED FOR PAINTING SHALL RECEIVE AT THE MINIMUM ONE (1) COAT OF PRIMER AND TWO (2) FINISH COATS OF THE SPECIFIED PAINT.
  - ALL PAINTING MATERIALS SHALL BE HANDLED (STORED) AND APPLIED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS.
  - 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: 72" 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: 72" COLOR: METALLIC COLOR COLLECTION: CLASS B/ BRONZE	
NOTE:	ALL TOILET / SHOWER PARTITIONS/ DOORS SHALL BE FLOOR MOUNTED & BRACED AS REQUIRED. ALL PARTITION SCREENS & DOORS AT SHOWER STALLS SHALL BE CEILING MOUNTED. ALL ADA COMPLAINT STALLS AND/OR AMBULATORY STALLS SHALL RECEIVE THE APPLICABLE H.C. SIGNAGE & BRAIL REQUIREMENTS TO MEET LOCAL CODE. GC SHALL BE RESPONSIBLE TO SUPPLY & INSTALL ALL REQUIRED SIGNAGE.			
L-1	LOCKERS	SCRANTON PRODUCTS OR APPROVED EQ.	SERIES: TUFTED LOCKERS/ CLASSIC COLLECTION SIZE: 12" x 12" x 72" STYLE: FULL LATTICE MESH TOP TWO-TIER LOCKER COMBO w/ 4" HIGH BLACK BASE TOP LOCK: PAD LOCK NUMBERING: START AT 1	

SCHEDULE: MISCELLANEOUS			
MARK	MATERIAL	MANUFACT.	DESCRIPTION
SH-1	WALL TRIM ALUMINUM	SCHLUTER	SERIES: QUADEC Q100ACG SIZE: 3/4" MATERIAL: ANODIZED ALUMINUM FINISH: POLISHED CHROME (Q100ACG)
ST-1	STONE QUARTZ	CAMBRIA	COLOR: WEYBOURNE THICKNESS: 1 1/2"
TH-1	THRESHOLD STONE QUARTZ	CAMBRIA	COLOR: WEYBOURNE THICKNESS: 1 1/2"
TH-2	THRESHOLD ALUMINUM	SCHLUTER	SERIES: SCHIENE MATERIAL: ALUMINUM FINISH: ALUMINUM

FINISH SCHEDULE								
MARK	ROOM ID	FLOOR		WALL		CEILING		REMARKS
		MATERIAL	BASE	MATERIAL	BASE	MATERIAL	HEIGHT	
100	WOMEN'S LATRINE	TILE	TILE	TILE	TILE	---	8'-0" (VIF)	COORDINATE W/ FINISH PLANS
200	MEN'S LATRINE	TILE	TILE	PNT	PNT	---	8'-0" (VIF)	
300	UTILITY ROOM	TILE	TILE	---	---	---	8'-0" (VIF)	
400	OFFICE	VCT	VINYL	PNT	PNT	ATC	8'-0" (VIF)	
500	STORAGE CLOSET	VCT	VINYL	PNT	PNT	ATC	8'-0" (VIF)	
600	EXISTING CORRIDORS	VCT	VINYL	PNT	PNT	ATC	8'-0" (VIF)	

DOOR SCHEDULE										
MARK	LOCATION	UNIT DIMENSION (W x H)	DOOR TYPE	DOOR		FRAME		RATING	HDWR HEADING	JAMB DETAIL
				MATERIAL	FINISH	MATERIAL	FINISH			
100	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 # 1	---
200	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 # 1	---
300	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	---
400	OFFICE	3'-0" x 7'-0"	B	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET # 3	---
401	OFFICE/ CLOSET	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET # 3	---
500	STORAGE CLOSET	3'-0" x 7'-0"	A	H.M.	PNT-6 PNT-8	WELDED 16 GA	PNT-6 PNT-7	N/A	SET # 2	---

- NOTES:
- G.C. SHALL VERIFY ALL FRAME & DOOR SIZES IN FIELD WITH EXISTING CONDITIONS PRIOR TO ORDERING/ FABRICATION
  - G.C. 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		HARDWARE SCHEDULE	
T.O.F.F.					
DOOR TYPE:	①	DOOR TYPE:	Ⓐ	DOOR TYPE:	Ⓑ
APPLICATION:	INTERIOR	APPLICATION:	INTERIOR	APPLICATION:	INTERIOR
MANUFACTURER:	-	MANUFACTURER:	PIONEER	MANUFACTURER:	DARPET DOOR & TRIM OR EQ.
SERIES:	-	SERIES:	HEAVY DUTY GH SERIES	SERIES:	COMMERCIAL FULL LITE BIRCH
TYPE:	FULLY WELDED METAL FRAME	CORE TYPE:	HONEYCOMB	TYPE:	W/ HOLLOW MTL FRAME
GAUGE:	16 GAUGE	GAUGE:	18 GAGE/ STANDARD	CORE TYPE:	SOLID CORE BIRCH/
STYLE:	-	STYLE:	FLUSH (F)	STYLE:	FLUSH (F)
FINISH:	PNT-6 / PNT-7	FINISH:	PNT-6 / PNT-8	FINISH:	PAINT
FIRE RATED:	N/A	FIRE RATED:	N/A	FIRE RATED:	N/A

TAG	RATING	WALL DESCRIPTION	INSULATION	DETAIL (PLAN VIEW)
1	NO RATING	EXISTING EXTERIOR MASONRY WALL w/ EXISTING BRICK VENEER w/ NEW INTERIOR FINISH TILE		
2	NO RATING	EXISTING EXTERIOR MASONRY WALL: INFILL WINDOW OPENING		
3	NO RATING	NEW INTERIOR MASONRY BLOCK WALL (8")		
4	NO RATING	NEW INTERIOR MASONRY BLOCK WALL (4")		
5	NO RATING	NEW FRAMED INTERIOR PARTITION WALL:		

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

LATRINE & SHOWER ROOM RENOVATION PROJECT:  
 HAMMONTON NATIONAL GUARD ARMORY  
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 HAMMONTON, NEW JERSEY 08037  
 STATE OF NEW JERSEY  
 DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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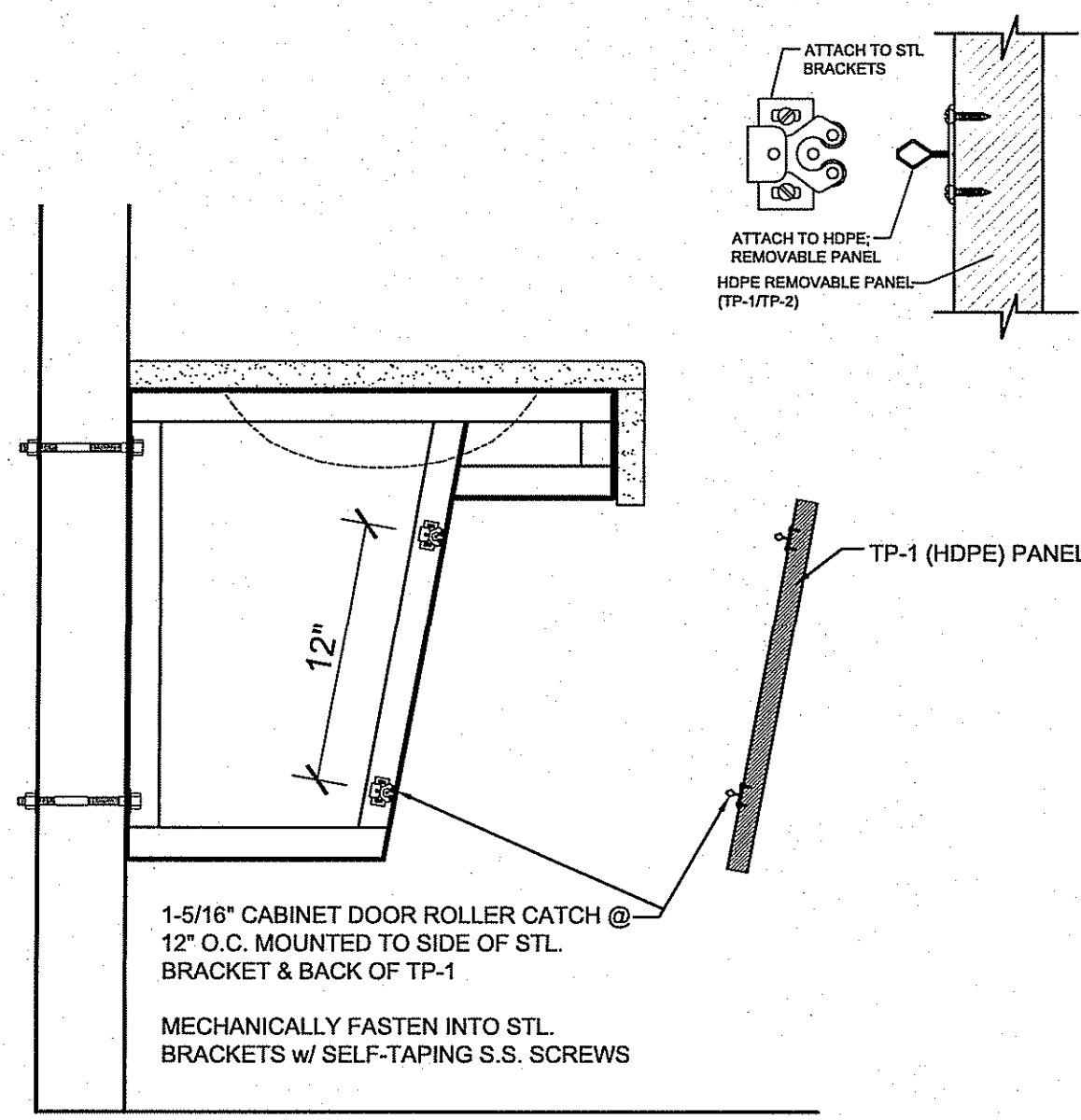
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1	7/28/24	AMENDED SCOPE

DRAWING TITLE:  
 SCHEDULES

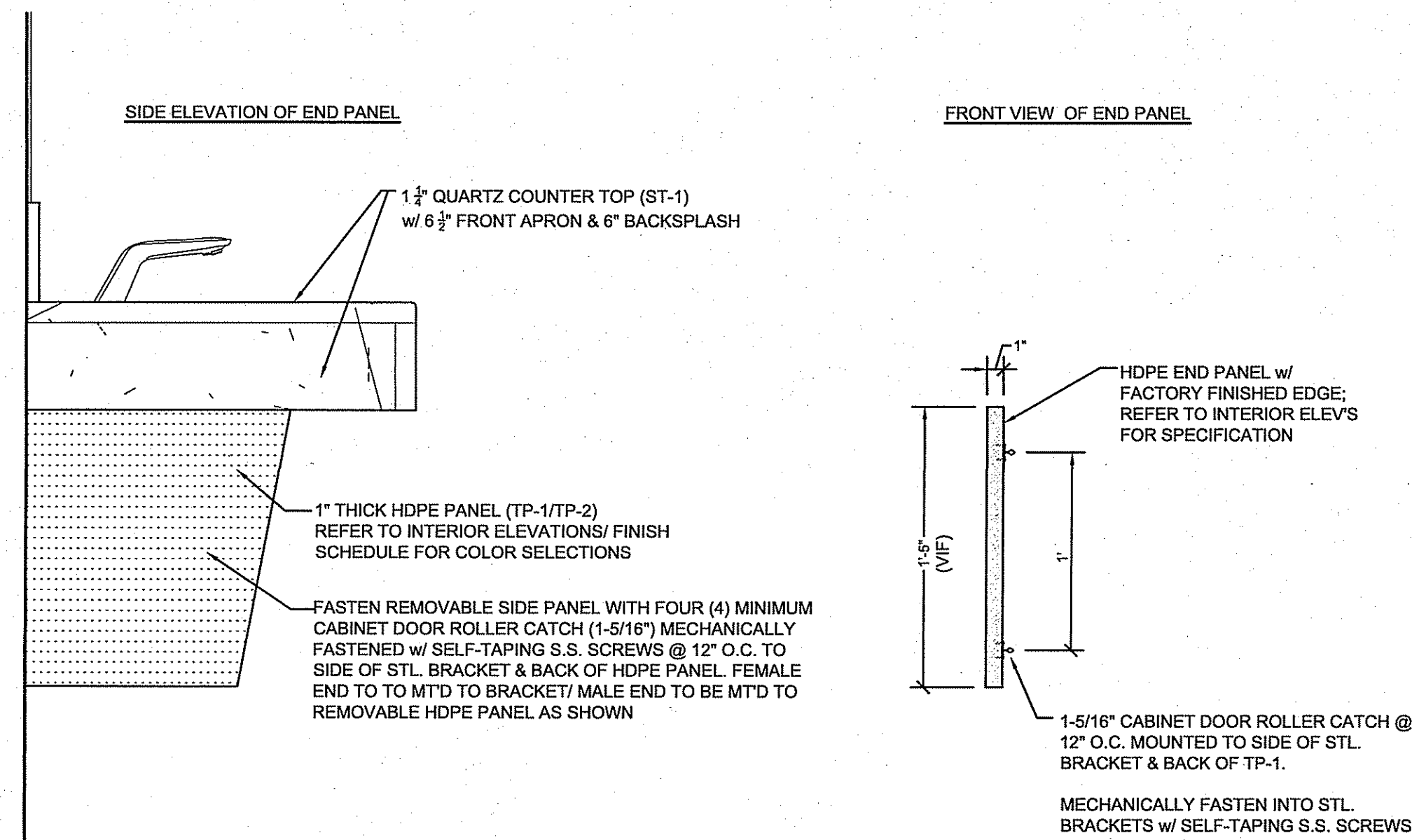
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A-501

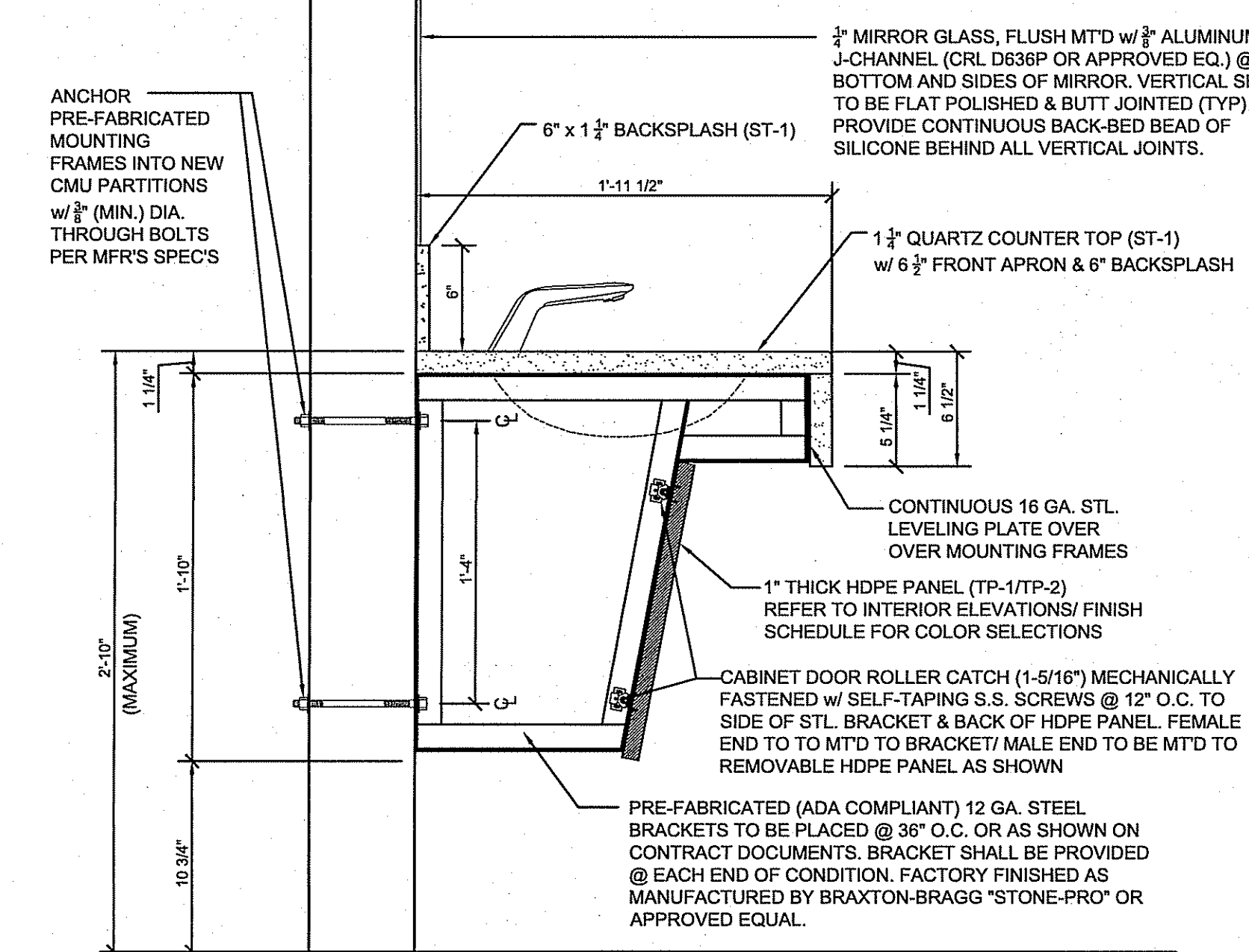
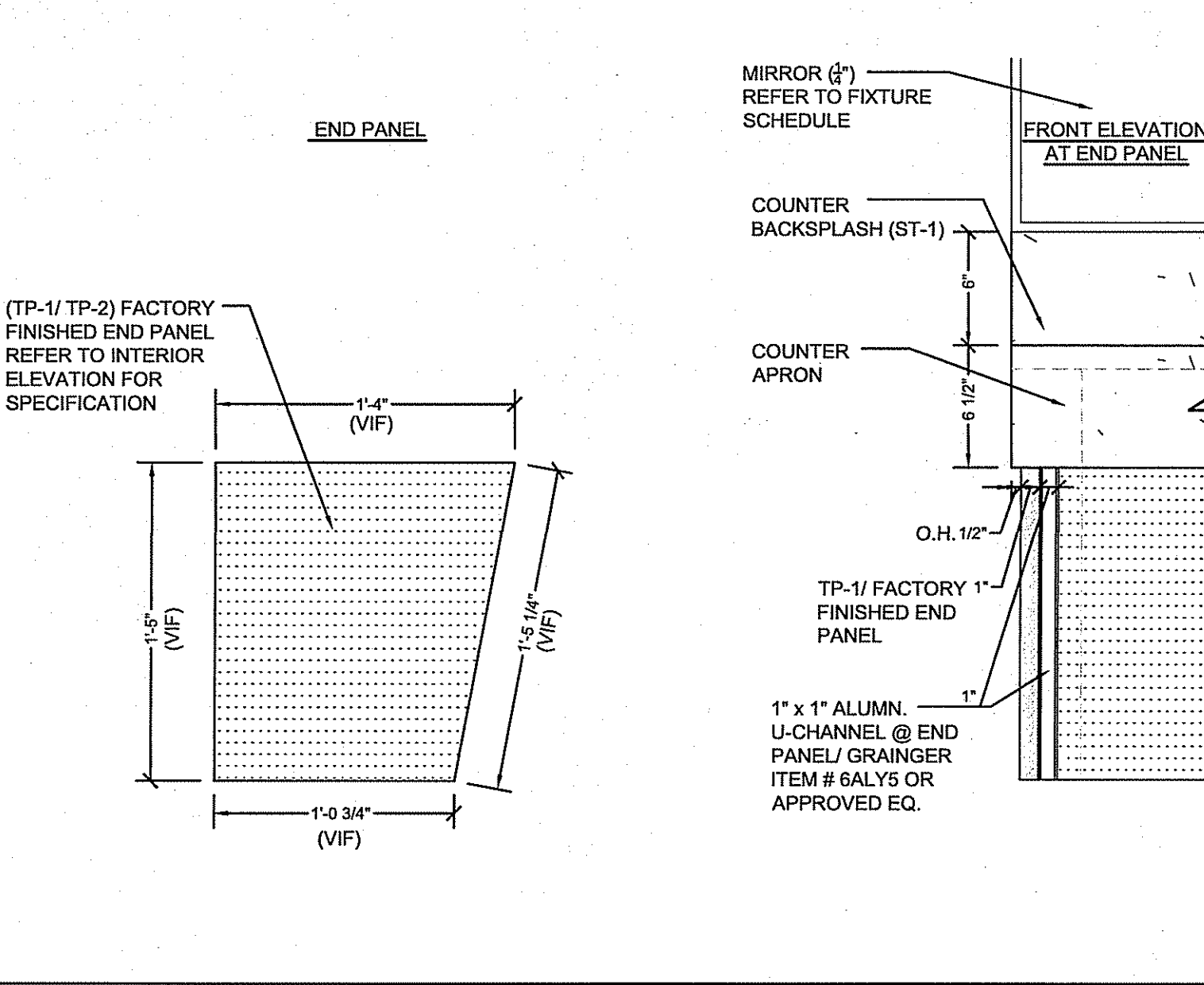




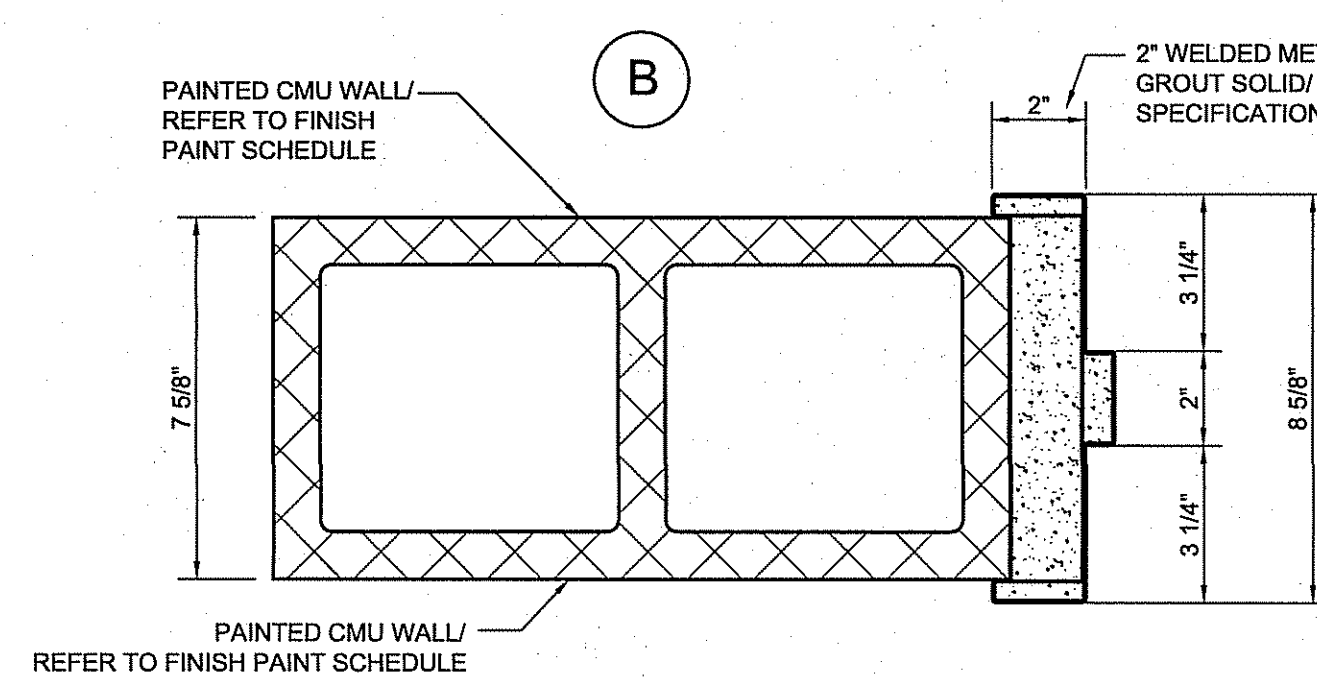
3 LAV PANEL CONNECTION (TYPICAL)  
A-800 SCALE: 1-1/2"= 1'-0"



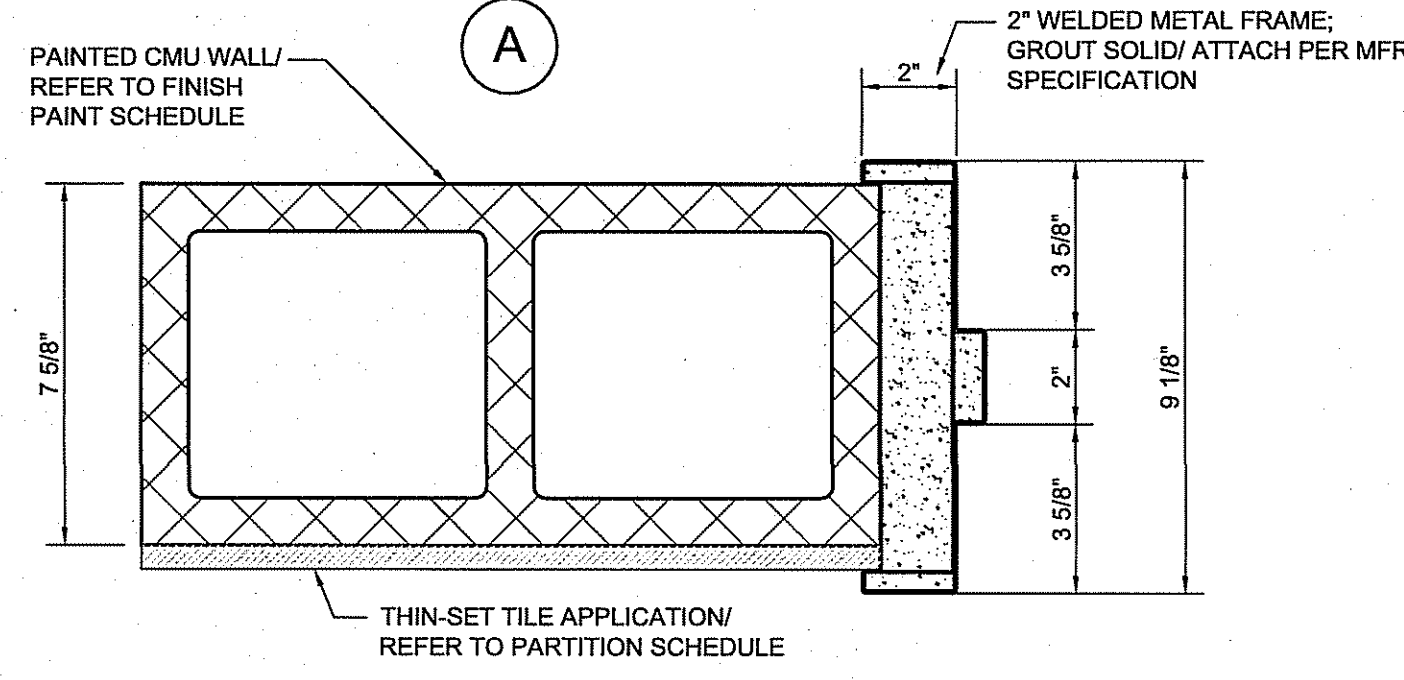
2 DETAIL @ SIDE END PANEL OF LAVATORY COUNTER (TYPICAL)  
A-800 SCALE: 1-1/2"= 1'-0"



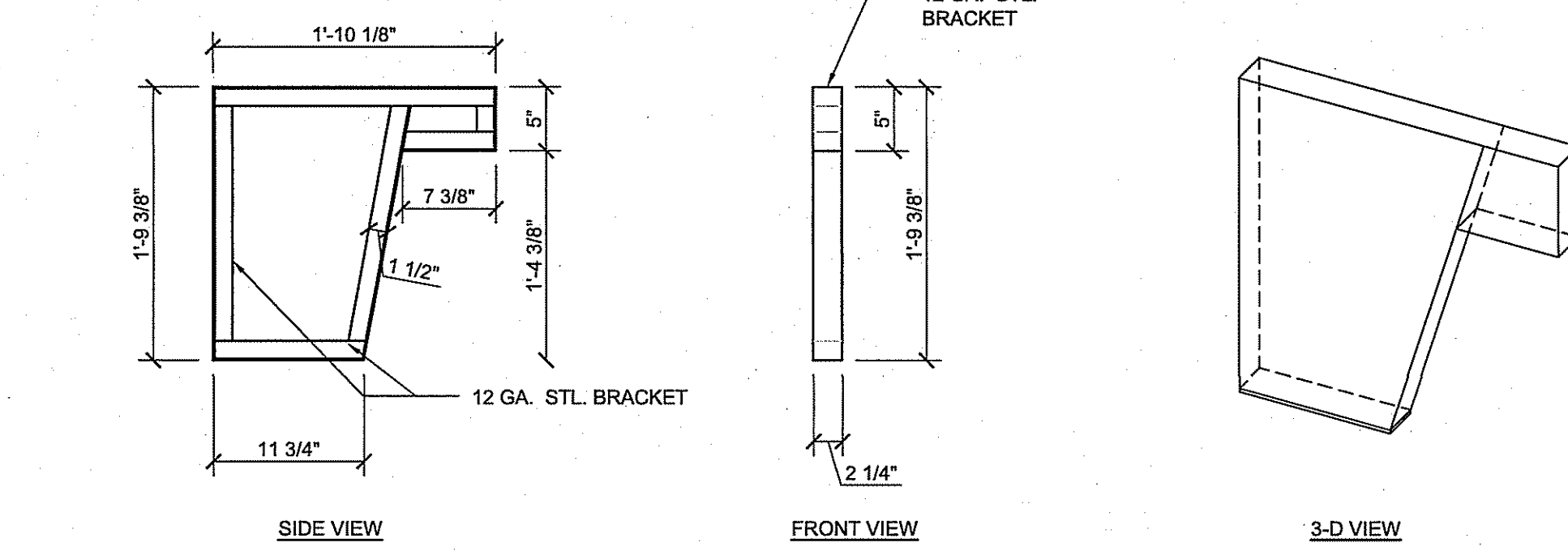
1 DETAIL @ TYPICAL LAVATORY COUNTER  
A-800 SCALE: 1-1/2"= 1'-0"



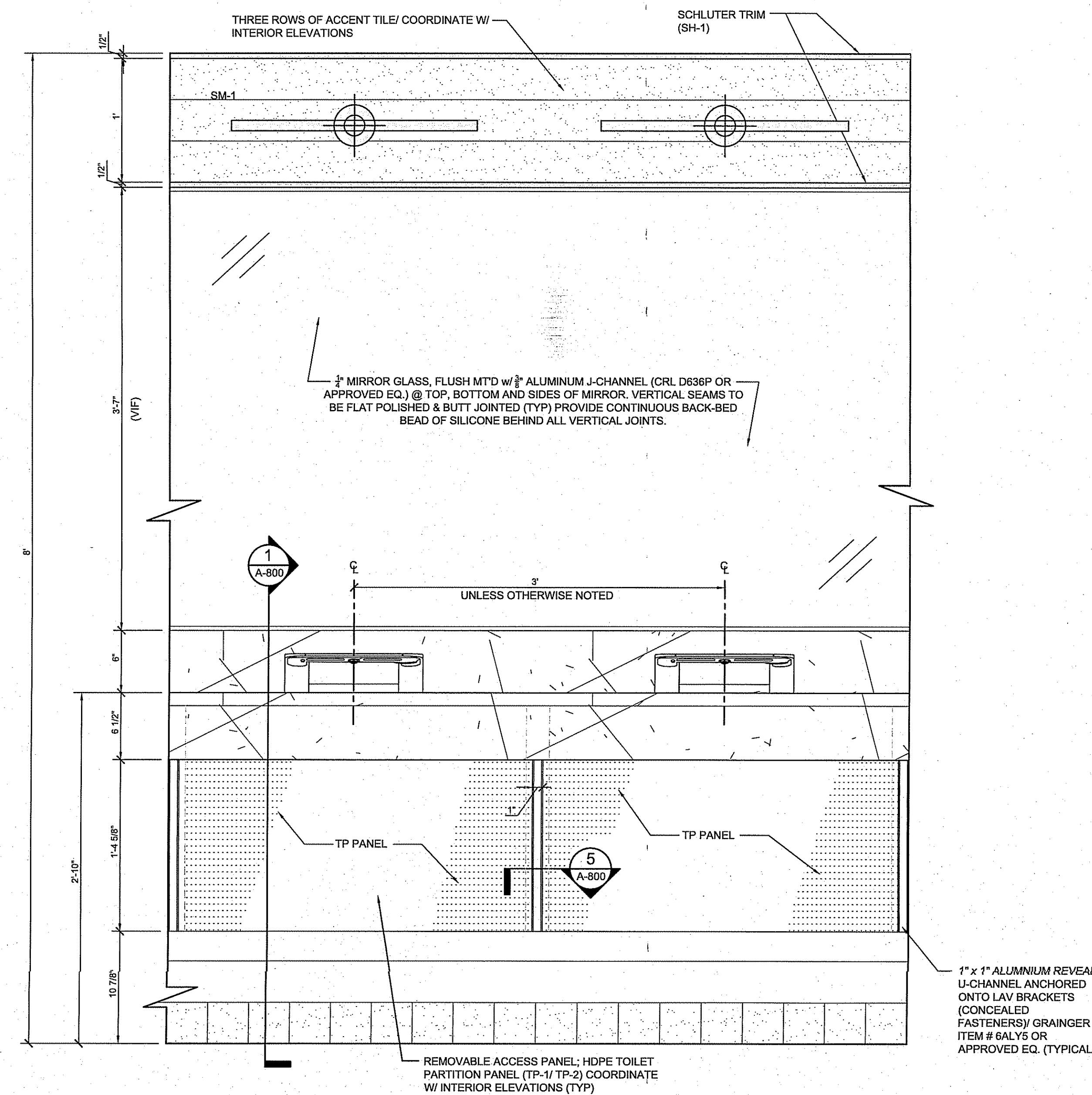
10 GROUTED DOOR JAMB DETAIL  
A-800 SCALE: 3"= 1'-0"



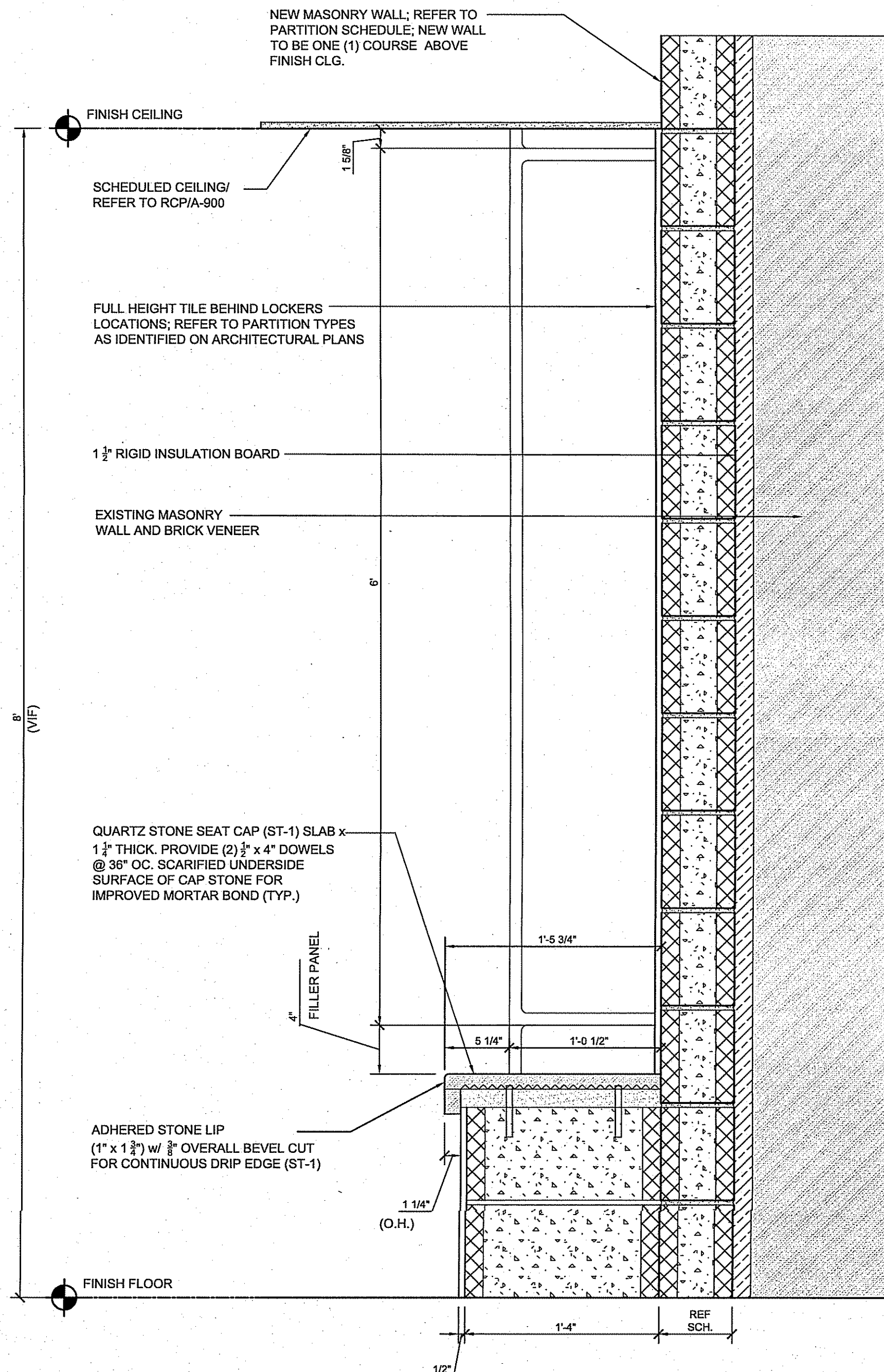
5 LAVATORY MOUNTING BRACKET  
A-800 SCALE: 1"= 1'-0"



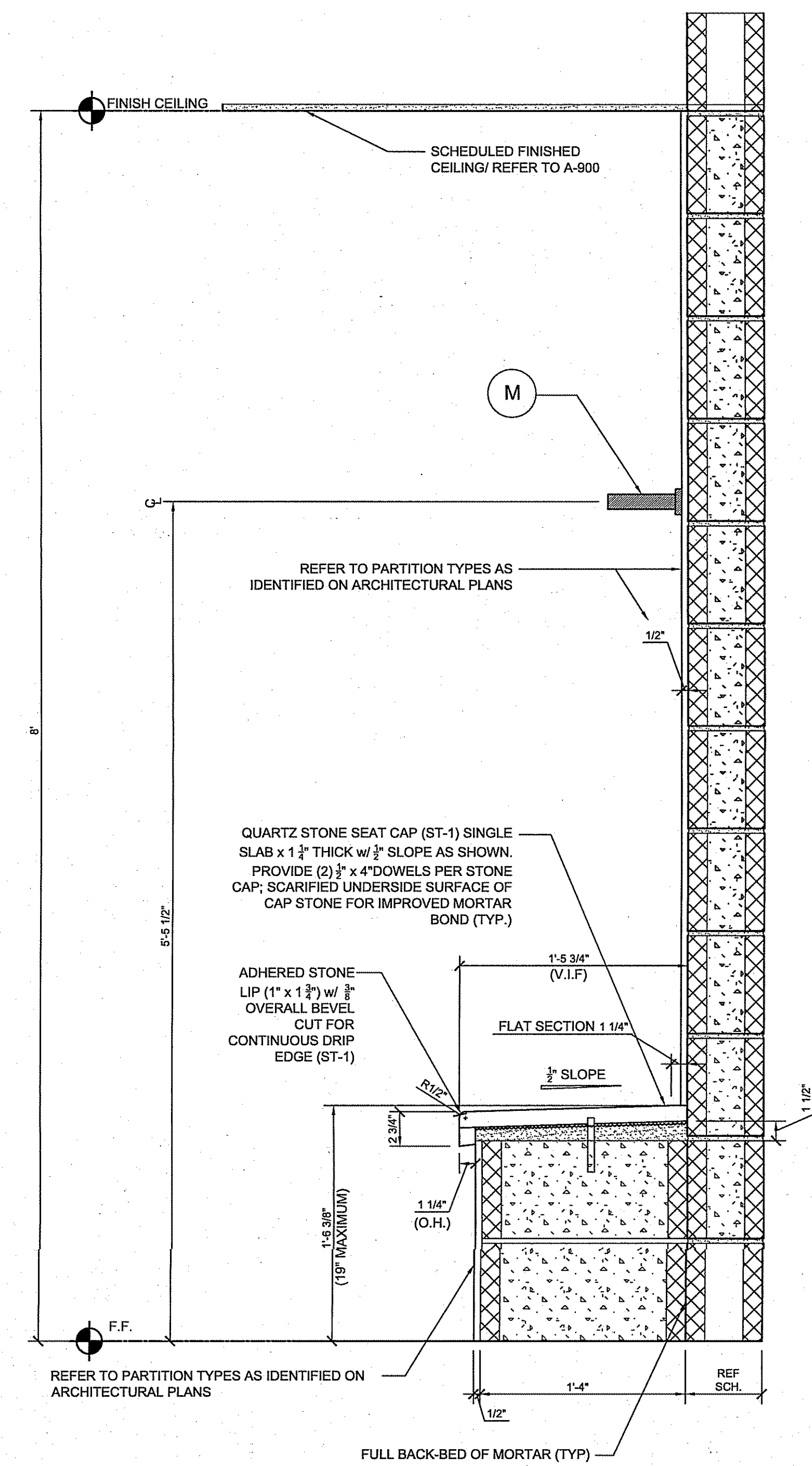
6 LAVATORY MOUNTING BRACKET  
A-800 SCALE: 1"= 1'-0"



4 TYPICAL LAVATORY SKIRT/ APRON DETAIL  
A-800 SCALE: 1-1/2"= 1'-0"



8 DETAL @ BUILT-IN BENCH & LOCKERS  
A-800 SCALE: 1-1/2"= 1'-0"



7 DETAL @ SHOWER SEAT  
A-800 SCALE: 1-1/2"= 1'-0"

LATRINE & SHOWER ROOM RENOVATION PROJECT:  
HAMMONTON NATIONAL GUARD ARMORY  
550 SOUTH EGG HARBOR ROAD  
HAMMONTON, NEW JERSEY 08037  
STATE OF NEW JERSEY  
DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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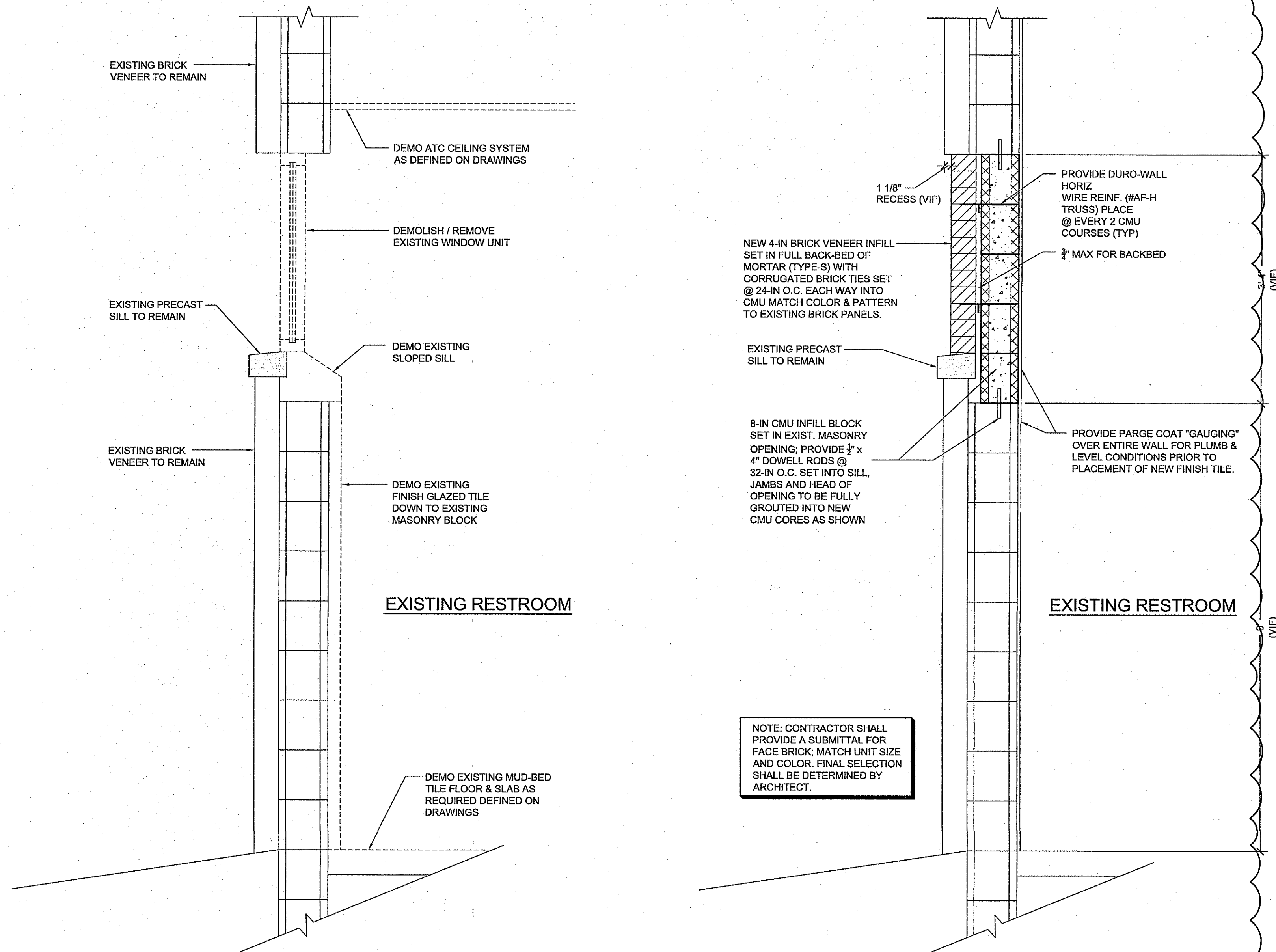
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ISSUE DATE DESCRIPTION  
1 7/28/24 AMENDED SCOPE

DRAWING TITLE:  
INTERIOR DETAILS

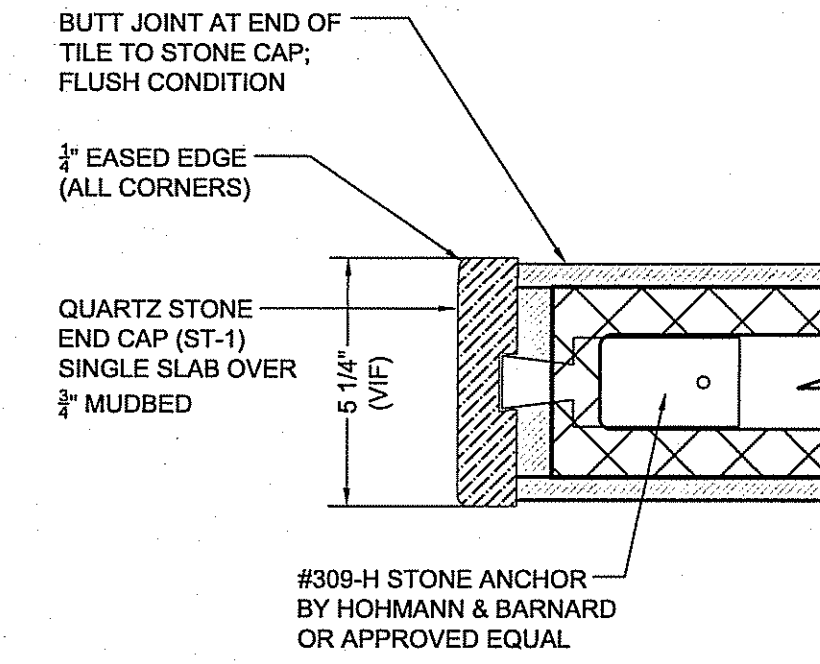
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DRN. BY CD  
CHK'D TJD  
SCALE AS NOTED  
DATE 12-08-21

A-800

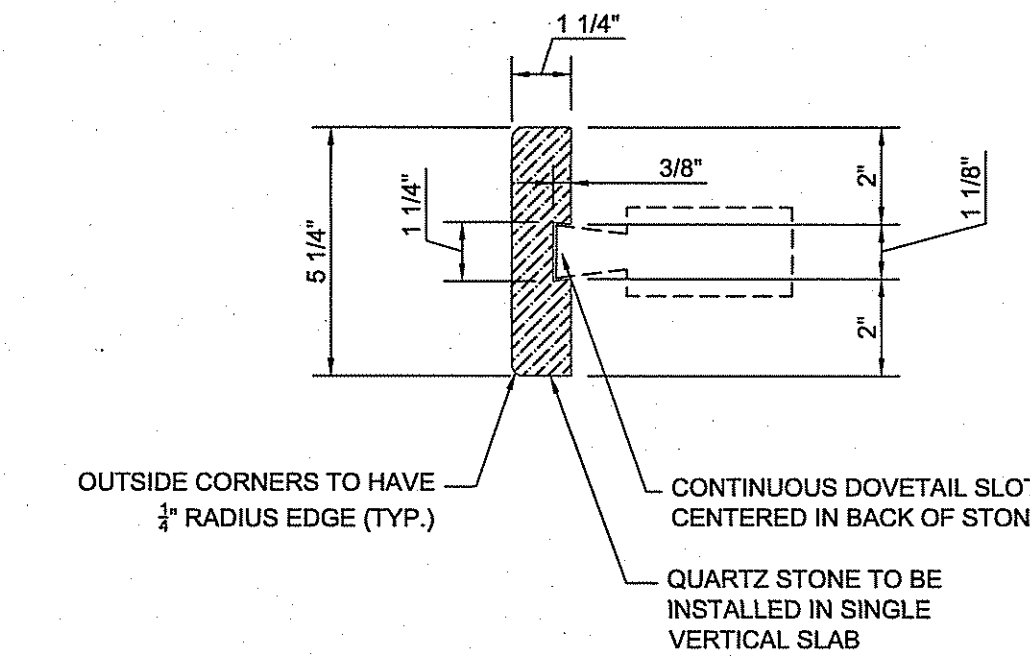




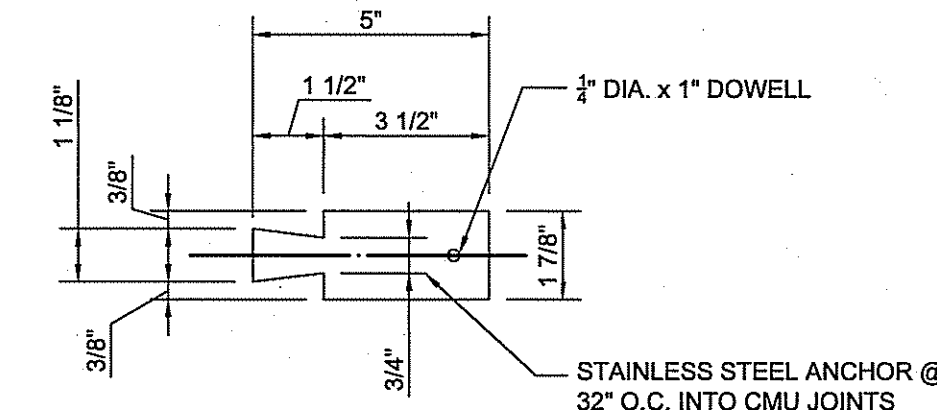
NOTE: THE DETAIL SHOWN ABOVE IS LOCATED AT ALL SHOWER JAMB CONDITIONS. SIMILAR CONDITIONS ARE SHOWN/NOTED ON PLANS AND OCCUR AT ALL END WALL CAPS. CONTRACTOR TO VERIFY ALL WIDTHS IN FIELD PRIOR FABRICATION.



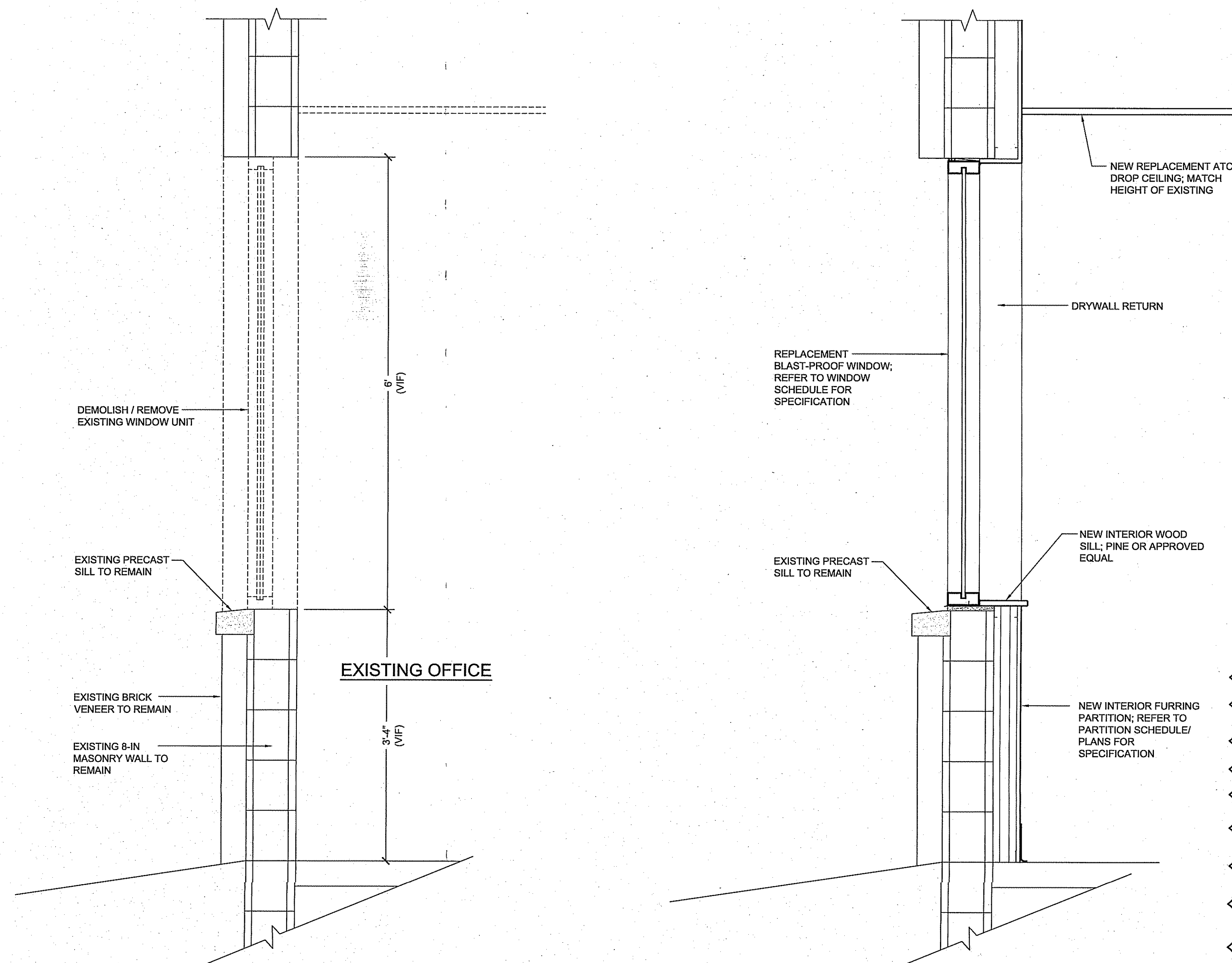
**2a STONE CASING DETAIL**  
SCALE: 3" = 1'-0"



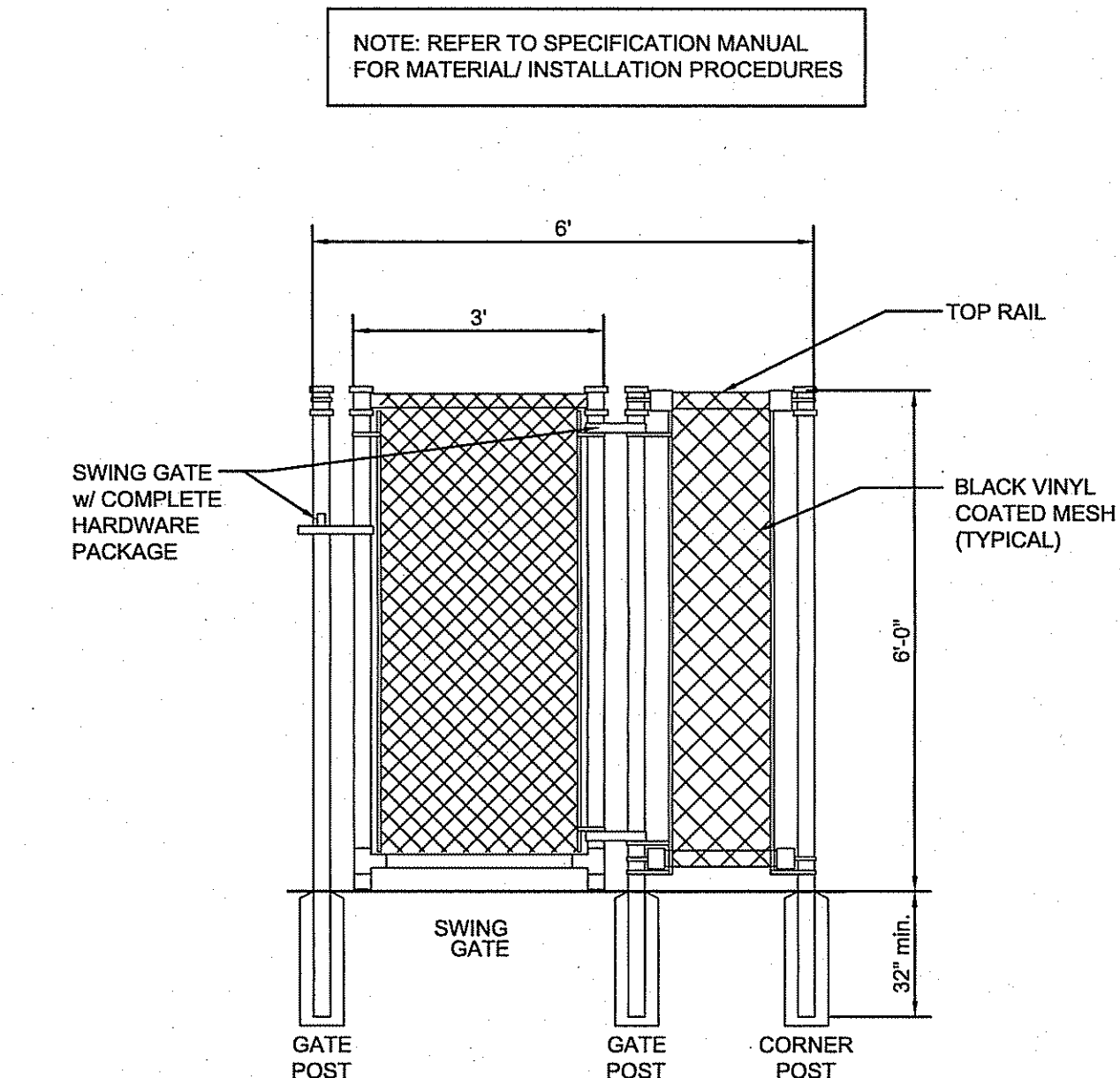
**2b S.S. STONE ANCHOR**  
SCALE: 3" = 1'-0"



**3 CHAIN-LINK FENCE DETAIL**  
SCALE: 1/2" = 1'-0"



**6 DOOR JAMB @ DRYWALL**  
SCALE: 3" = 1'-0"



1

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PROFESSIONAL SEAL  
THOMAS J. D'ARRIGO SR., A.I.A.  
ARCHITECT  
NEW JERSEY  
EXPIRATION DATE 12/31/2024


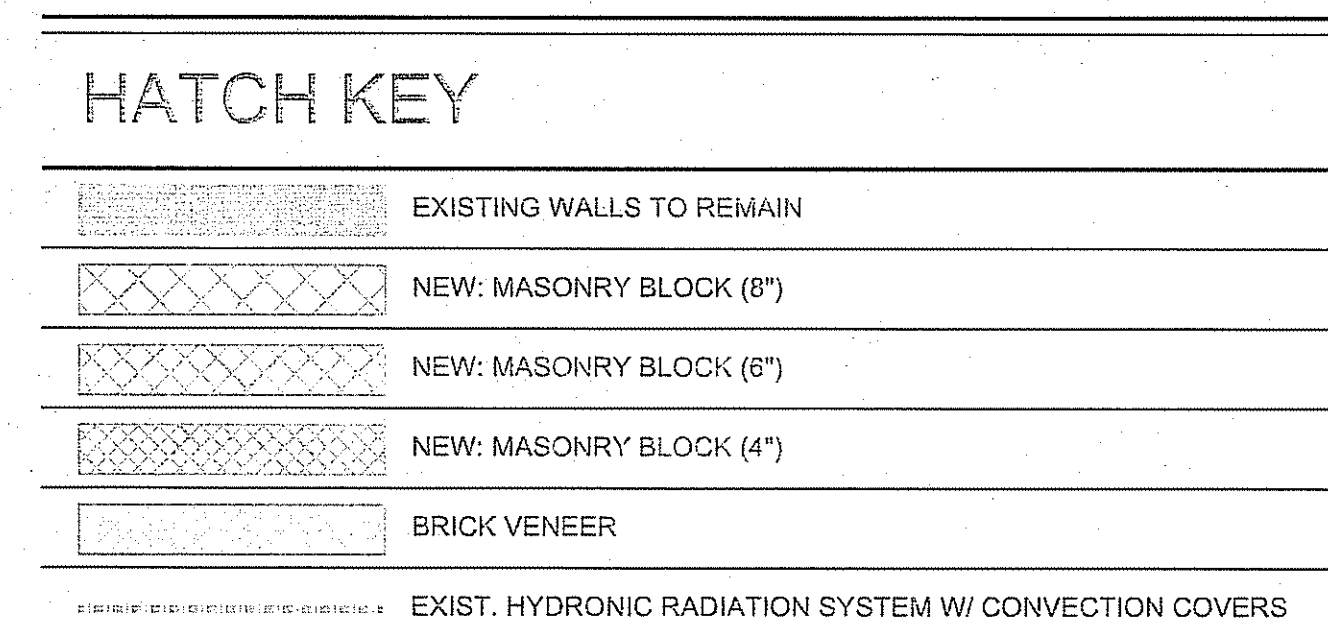
REVISIONS:		
ISSUE	DATE	DESCRIPTION
1	7/28/24	AMENDED SCOPE

DRAWING TITLE:  
DETAILS

JOB NO.	HA007
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

**A-801**





# TJD

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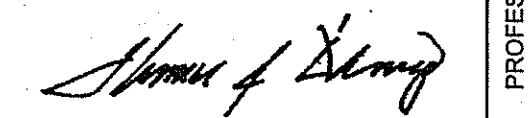
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DRAWING TITLE:  
REFLECTED CEILING  
PLAN

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CHK'D	TJD
SCALE	AS NOTED
DATE	12-06-21

Architectural drawing of a room layout showing dimensions and material specifications. The drawing includes a perimeter wall, a central area, and two side walls. Dimensions are provided for the overall room (15'-7" wide, 6'-7 1/2" deep) and individual sections (3'-11" and 2'-10" wide). Material specifications include PERIMETER SOLIDER COURSE TILE PATTERN (CT-1), STRETCHER COURSE FIELD TILE PATTERN (CT-1), RECESSED LIGHT; WP\* (R-1), ALUMN. SCHLUTER TRIM (SH-1), and PAINTED GWB CEILING (PR-2)/(PNT-1).

Dimensions:

- Overall Width: 15'-7"
- Overall Depth: 6'-7 1/2"
- Left Wall Section: 3'-11"
- Right Wall Section: 2'-10"
- Central Area Width: 6'-8"
- Left Wall Section Depth: 6'-6 1/2"
- Right Wall Section Depth: 6'-6 1/2"
- Left Wall Section Width: 1'-11 1/2"
- Right Wall Section Width: 3'-4"

Material Specifications:

- PERIMETER SOLIDER COURSE TILE PATTERN (CT-1)
- STRETCHER COURSE FIELD TILE PATTERN (CT-1)
- RECESSED LIGHT; WP\* (R-1)
- ALUMN. SCHLUTER TRIM (SH-1)
- PAINTED GWB CEILING (PR-2)/(PNT-1)

2 CEILING DETAIL  
A-900 SCALE: 1/4"= 1'-0"



## HVAC BASIC DUCTWORK SYMBOLS

(NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT)

	SINGLE LINE DUCTWORK OR EQUIPMENT - NEW
	SINGLE LINE DUCTWORK OR EQUIPMENT - EXISTING
	DUCTWORK TO BE REMOVED
	DUCTWORK WITH ACOUSTIC LINING
	DUCT UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE)
	DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST OR OUTSIDE AIR)
	VOLUME DAMPER
	FIRE DAMPER AND ACCESS DOOR
	BACK DRAFT DAMPER
	COMBINATION SMOKE AND FIRE DAMPER
	MOTOR OPERATED DAMPER
	AUTOMATIC SMOKE DAMPER
	RISE IN DUCTWORK (IN DIRECTION OF AIR FLOW)
	DROP IN DUCTWORK (IN DIRECTION OF AIR FLOW)
	CENTER LINE
	CUBIC FEET PER MINUTE
	DIAMETER
	SQUARE FEET
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	RECTANGULAR CEILING DIFFUSER WITH "Y" X "Y" NECK "ZZZ" CFM SUPPLY AIR
	TYPE "X" CEILING DIFFUSER "ZZZ" CFM SUPPLY AIR
	"W" BY "H" CEILING REGISTER (CEILING GRILLE) "ZZZ" CFM RETURN AIR
	RECTANGULAR DIFFUSER WITH BLANKING PLATE
	"W" BY "H" TOP REGISTER, "ZZZ" CFM SUPPLY AIR
	"W" BY "H" TOP REGISTER (TOP GRILLE) "ZZZ" CFM RETURN AIR
	"W" BY "H" BOTTOM REGISTER (BOTTOM GRILLE) "ZZZ" CFM RETURN AIR
	VANED ELBOW (SEE DETAIL) OR RADIUS ELBOW
	FLEXIBLE DUCT
	DUCT FLEXIBLE CONNECTION
	VERTICAL DUCT DROP (IN DIRECTION OF AIRFLOW)
	VERTICAL DUCT RISE (IN DIRECTION OF AIRFLOW)
	SLOTTED LINEAR DIFFUSER WITH PLENUM
	CONSTANT VOLUME BOX - TYPE A
	VAV BOX TYPE A
	CONSTANT VOLUME BOX WITH REHEAT COIL
	VAV BOX TYPE A WITH REHEAT COIL

	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDISTAT
	SMOKE DETECTOR
	DOOR UNDERCUT
	SECTION DESIGNATION
	SHEET NO. WHERE SECTION IS SHOWN
	DETAIL DESIGNATION
	SHEET NO. WHERE DETAIL IS SHOWN

## HVAC BASIC PIPING SYMBOLS

(NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT)

	NEW PIPE WITH DIRECTION OF FLOW
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	EXISTING PIPING TO BE ABANDONED
	PIPE DROP
	PIPE RISE
	PITCH UP IN DIRECTION OF FLOW
	PITCH DOWN IN DIRECTION OF FLOW
	UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER - FLAT BOTTOM
	ECCENTRIC REDUCER - FLAT TOP
	FLANGED CONNECTION
	FLANGED END
	EXPANSION LOOP
	PIPE EXPANSION JOINT
	PIPE ALIGNMENT GUIDE
	PIPE ANCHOR
	GATE VALVE
	ANGLE VALVE
	GLOBE VALVE
	ANGLE GLOBE VALVE
	NEEDLE VALVE COCK
	DRAIN VALVE
	LOCK SHIELD VALVE
	CHECK VALVE, SWING OR LIFT
	SILENT CHECK VALVE
	FLEXIBLE CONNECTOR
	BUTTERFLY VALVE
	BALL VALVE
	SQUARE HEAD COCK
	BALANCING VALVE
	PLUG VALVE (TYPE AS NOTED)
	AUTOMATIC CONTROL VALVE
	THREE-WAY AUTOMATIC CONTROL VALVE
	"Y" TYPE STRAINER W/BLOW OFF VALVE
	THERMOMETER AND WELL
	PRESSURE GAUGE
	PUMP
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HOT WATER SUPPLY
	HOT WATER RETURN
	DOMESTIC WATER
	DRAIN

## HVAC ABBREVIATIONS

(NOT ALL ABBREV. ARE NECESSARILY USED ON THIS PROJECT)

AAV	AUTOMATIC AIR VENT	RLA	RUNNING LOAD AMPS
AC	AIR CONDITIONING	RPM	REVOLUTIONS PER MINUTE
ACU	AIR CONDITIONING UNIT	(RRO)	EXISTING TO BE REMOVED AND RETURN TO OWNER
AD	ACCESS DOOR	SA	SUPPLY AIR
AFF	ABOVE FINISHED FLOOR	SD	SMOKE DAMPER
AHU	AIR HANDLING UNIT	SF	SUPPLY FAN
BG	BOTTOM GRILLE	SP	STATIC PRESSURE
BHP	BRAKE HORSEPOWER	SPEC	SPECIFICATION
BR	BOTTOM REGISTER	TDH	TOTAL DYNAMIC HEAD
BT	BOTTOM THROAT	TEMP	TEMPERATURE
BTU	BRITISH THERMAL UNIT	TG	TOP GRILLE
BTUH	BTU PER HOUR	TR	TOP REGISTER
CD	CEILING DIFFUSER	TYP	TYPICAL
CFM	CUBIC FEET PER MINUTE	UH	UNIT HEATER
CG	CEILING GRILLE	VFD	VARIABLE FREQUENCY DRIVE
CLG	CEILING	VAV	VARIABLE AIR VOLUME UNIT
COND	CONDENSATE	VIV	VARIABLE INLET VANES
CR	CEILING REGISTER	W	WIDTH
CU	CONDENSING UNIT	w/	WITH
CUH	CABINET UNIT HEATER	WB	WET BULB
CV	CONSTANT VOLUME	WMS	WIRE MESH SCREEN
DB	DRY BULB	ZD	ZONE DAMPER
DIAM	DIAMETER		
DMPR	DAMPER		
DX	DIRECT EXPANSION		
(E)	EXISTING TO REMAIN		
(ER)	EXISTING TO BE REMOVED		
(ERR)	EXISTING TO BE REMOVED & RELOCATED		
EAT	ENTERING AIR TEMPERATURE		
EB	ELECTRIC BASEBOARD		
EDB	ENTERING DRY BULB TEMPERATURE		
EF	EXHAUST FAN		
EL	ELEVATION		
EF	EXHAUST FAN		
ER	EXHAUST REGISTER		
EWB	ENTERING WET BULB		
EWT	ENTERING WATER TEMPERATURE		
EXH	EXHAUST		
F	DEGREES FAHRENHEIT		
FA	FREE AREA (SQ.FT.)		
FC	FLEXIBLE CONNECTION		
FCU	FLEXIBLE COIL UNIT		
FD	FIRE DAMPER		
FIN FL	FINISHED FLOOR		
FLA	FULL LOAD AMPERES		
FPM	FEET PER MINUTE		
GAL	GALLON		
GF	GAS FURNACE		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
HT	HEIGHT		
HR	HOUR		
HV	HEATING AND VENTILATING		
HX	HEAT EXCHANGER		
HZ	FREQUENCY		
IN	INCH OR INCHES		
LAT	LEAVING AIR TEMPERATURE		
LD	LINEAR DIFFUSER		
LF	LINEAR FEET		
LR	LINEAR RETURN		
LWB	LEAVING WET BULB TEMPERATURE		
LWT	LEAVING WATER TEMPERATURE		
MBH	THOUSAND BTU PER HOUR		
MER	MECHANICAL EQUIPMENT ROOM		
MIN	MINIMUM		
(N)	NEW		
NC	NORMALLY CLOSED		
NIC	NOT IN CONTRACT		
NO	NORMALLY OPEN		
NO.	NUMBER		
NTS	NOT TO SCALE		
OA	OUTSIDE AIR		
OAI	OUTSIDE AIR INTAKE		
OED	OPEN END DUCT		
PSI	POUNDS PER SQUARE INCH		
PSIA	PSI ABSOLUTE		
PSIG	PSI GAUGE		
RA	RETURN AIR		
(RE)	RELOCATED EXISTING		
RF	RETURN FAN		
RH	RELATIVE HUMIDITY		
RHC	REHEAT COIL		

## GENERAL NOTES

- GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
- WORK IN THIS SECTION IS SPECIFIED IN DIVISION 150000.
- COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL. DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- NEITHER ACCURACY NOR COMPLETION OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS REQUIREMENTS & RECOMMENDATIONS.
- PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
- COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
- RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
- INSTALL THERMOSTATS AND TEMPERATURE SENSORS 4'-6" ABOVE FINISHED FLOOR OR AS DIRECTED OTHERWISE BY ARCHITECT.
- STRUCTURAL WELDING SHALL BE CONTINUOUS 1/4" FILLET UNLESS REQUIRED OTHERWISE.
- CONTRACTORS BID ACKNOWLEDGES THAT THE DOCUMENTS HAVE BEEN REVIEWED AND NO AMBIGUITIES, ERRORS OR CODE VIOLATIONS HAVE BEEN FOUND AND THAT THE BID IS BASED EXCLUSIVELY ON THE DOCUMENTS AND THAT REVIEW.
- ALL WORK TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND APPROVED BY ASME, AGA, ANSI, UL OR SIMILAR AUTHORITIES AS APPLICABLE.
- PROCURE ALL NECESSARY PERMITS, INSPECTIONS AND LICENSES AND PAY ALL REQUIRED FEES.
- ON COMPLETION OF WORK, THE ENTIRE SYSTEM SHALL BE COMPLETELY OPERATIVE AND PROPERLY ADJUSTED, FREE FROM EXCESSIVE NOISE AND VIBRATION.
- TESTS SHALL BE MADE AS REQUIRED, FURNISH ALL LABOR, MATERIALS AND INSTRUMENTS.
- SUBMIT A WRITTEN STATEMENT TO THE OWNER GUARANTEEING ALL EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR ONE(1) YEAR FROM THE DATE OF ACCEPTANCE. EXTENDED WARRANTIES SHALL BE GIVEN WHERE AVAILABLE. UPON WRITTEN NOTICE AND AT NO EXPENSE TO THE OWNER, PROMPTLY REPAIR ALL DEFECTIVE MATERIALS.
- VERIFY ELECTRICAL CHARACTERISTICS WITH THE ELECTRICAL CONTRACTOR.
- VERIFY ALL CONSTRUCTION DETAILS BEFORE ORDERING EQUIPMENT AND AIR DEVICES AND PROVIDE SAME COMPATIBLE WITH STRUCTURE AND CEILING CONSTRUCTION. PROVIDE FIRE DAMPERS AT ALL OPENINGS IN FIRE RATED CEILINGS, WALL, ETC.
- DO ALL CUTTING AND PATCHING REQUIRED INCLUDING FIRE STOPPING AT ALL FIRE DIVISIONS.
- PROVIDE VIBRATION ISOLATION FOR ALL EQUIPMENT.
- CONTRACTOR SHALL SUBMIT ALL SUGGESTED CHANGES FOR APPROVAL BEFORE PROCEEDING OR HE MAY BE REQUIRED TO REMOVE, ALTER AND/OR REPLACE THE WORK IN QUESTION AT NO ADDITIONAL COST.
- PROVIDE ELECTROCHEMICAL INSULATING FITTINGS WHERE DISSIMILAR METALS ARE JOINED.
- NO ASBESTOS OR LEAD CONTAINING MATERIALS MAY BE USED.

## AIR SYSTEMS

- AIR SYSTEMS SHOW GENERAL DEVICE LOCATIONS, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED.
- USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
- DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTERS AND GRILLE SIZES ARE NOMINAL.
- PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTER GRILLE AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
- DUCTWORK DOWNSTREAM OF ALL FANS SHALL BE ACOUSTICALLY LINED WITH 1" ACOUSTICAL LINING FOR A MINIMUM OF 15 FEET.
- PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.

## PIPING SYSTEMS

- PITCH PIPING 1" IN 20' IN DIRECTION OF FLOW.
- PROVIDE TRAPS IN CONDENSATE LINES THAT EXTEND OVER 2'.

## GENERAL NOTES:

- NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL COSTS FOR ADJUSTING, RE-ALIGNING OF ANY HVAC OBSTRUCTIONS THAT EFFECT THE NEW WORK SCOPE, AND RESTORING THEM BACK TO A FULLY FUNCTIONAL AND BALANCED STATE.
- G.C. IS ALSO RESPONSIBLE FOR ANY/ALL COSTS FOR RELOCATING ANY SPRINKLER SYSTEM ELEMENTS THAT MAY INTERFERE WITH NEW WORK, AND RESTORING SYSTEM BACK TO WORKING CONDITION.
- G.C. IS RESPONSIBLE FOR ANY/ALL COSTS RELATING TO NEW ROOF PENETRATIONS NECESSARY TO COMPLETE THE NEW SCHEDULED WORK OF THIS CONTRACT, AND RESTORING THE ROOF SUCH THAT THE OWNER'S ROOF WARRANTY IS UNAFFECTED BY THE WORK.

TJD ARCHITECTS & ENGINEERS P.C.  
I HEREBY CERTIFY THAT THE DESIGN, SPECIFICATIONS, AND DRAWINGS ARE THE PROPERTY OF TJD ARCHITECTS & ENGINEERS P.C. WHICH ARE TO BE USED ONLY AS SHOWN ON THIS PROJECT. THEY SHALL NOT BE USED ON ANY OTHER PROJECT OR FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN APPROVAL AND CONSENT OF TJD ARCHITECTS & ENGINEERS P.C. THESE DOCUMENTS SHALL NOT BE TRANSFERRED TO ANY UNAUTHORIZED THIRD PARTY WITHOUT THE SAME CONSENT.  
DO NOT SCALE DRAWING. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.  
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550 SOUTH EGG HARBOR ROAD

HAMMONTON, NEW JERSEY 08037

STATE OF NEW JERSEY

DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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PROFESSIONAL SEAL  
I, Thomas J. D'Arrigo Sr., A.I.A.,  
do hereby certify that the above is a true and correct copy of the original as filed with me.

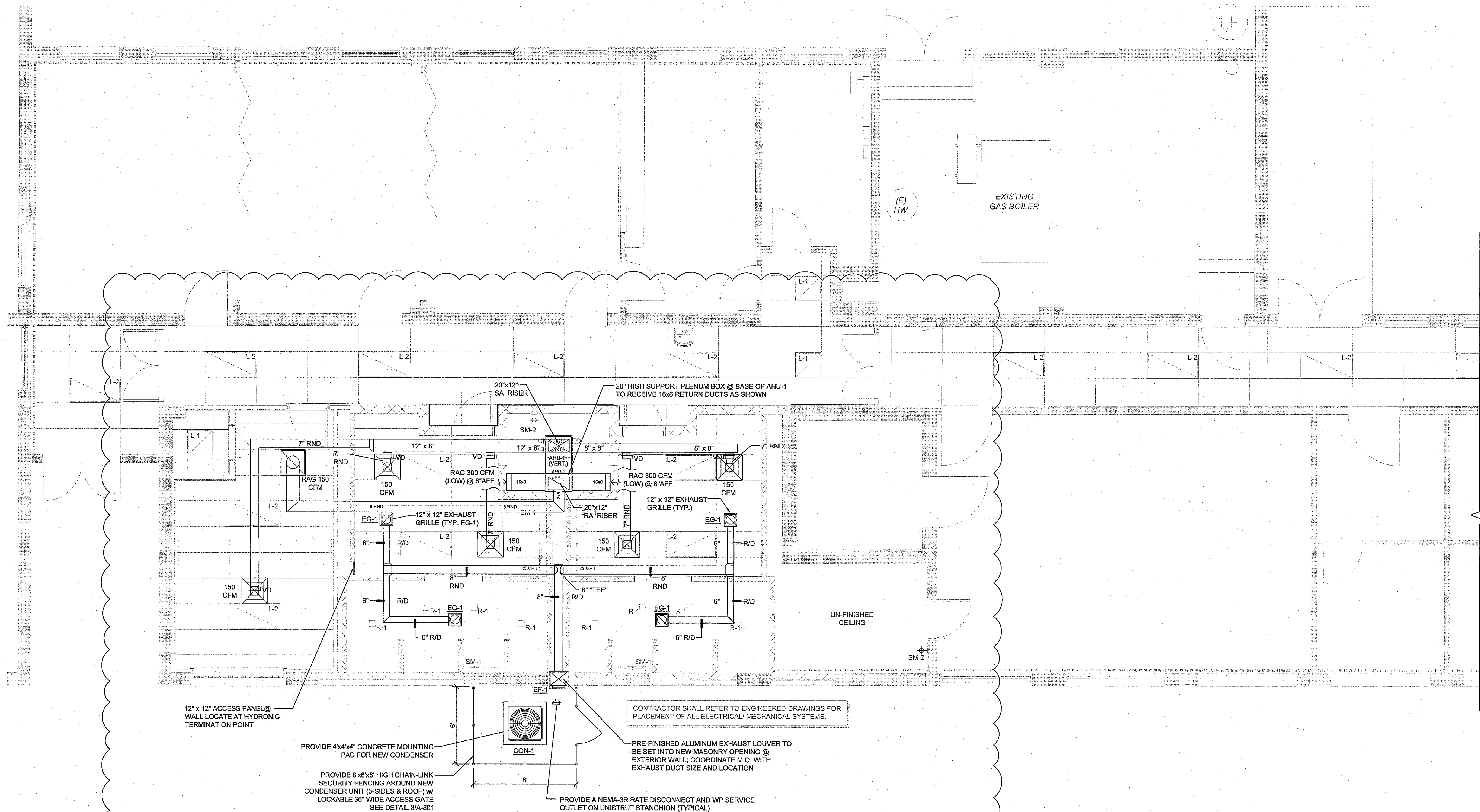
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ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE

DRAWING TITLE:  
**MECHANICAL  
COVER SHEET**

JOB NO.	HA007
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

M-100





# HAMMONTON ARMORY: EQUIPMENT SCHEDULE

DESIGNATION	MANUFACTURER	MODEL / SERIES #	TONNAGE	MBH	CFM	SEER	VOLTAGE	MAX FUSE	GPM
AHU-1	GOODMAN	AVPTC25B14	2.0	N/A	600	N/A	208/240/1	15 AMP	N/A
COND-1	GOODMAN	G5X1651B1	2.0	N/A	16	208/230/1	15 AMP	N/A	N/A
COIL	PRECISION COIL	W1011224N (26x14)	N/A	38 38,000 BTU	600	N/A	N/A	N/A	3.8 GPM (3/4\"/>
---	PANASONIC WHISPER LINE	FV-40NLF1	N/A	---	440	N/A	120/1	15 AMP	N/A

- 1.) GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL COSTS FOR ADJUSTING, RE-ALIGNING OF ANY HVAC OBSTRUCTIONS THAT EFFECT THE NEW WORK SCOPE, AND RESTORING THEM BACK TO A FULLY FUNCTIONAL AND BALANCED STATE.
- 2.) G.C. IS ALSO RESPONSIBLE FOR ANY/ALL COSTS FOR RELOCATING ANY SPRINKLER SYSTEM ELEMENTS THAT MAY INTERFERE WITH NEW WORK, AND RESTORING SYSTEM BACK TO WORKING CONDITION.
- 3.) G.C. IS RESPONSIBLE FOR ANY/ALL COSTS RELATING TO NEW ROOF PENETRATIONS NECESSARY TO COMPLETE THE NEW SCHEDULED WORK OF THIS CONTRACT, AND RESTORING THE ROOF SUCH THAT THE OWNER'S ROOF WARRANTY IS UNAFFECTED BY THE WORK.

## GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
3. WORK IN THIS SECTION IS SPECIFIED IN DIVISION 15000.
4. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
5. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL. DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
6. NEITHER ACCURACY NOR COMPLETION OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
7. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS REQUIREMENTS & RECOMMENDATIONS.
8. PROVIDE HANGERS, INSERTS, ANCHORS, SUPPLEMENTAL STEEL & SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING AND EQUIPMENT FROM STRUCTURE.
9. COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
10. RUN DUCTS AND PIPING CONCEALED, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS.
11. INSTALL THERMOSTATS AND TEMPERATURE SENSORS 4\"/>

## AIR SYSTEMS

27. AIR SYSTEMS SHOW GENERAL DEVICE LOCATIONS, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
28. INTERNAL AIRFLOW DIMENSIONS ARE SHOWN FOR DUCTS. INCREASE DUCT SIZE AS NECESSARY TO MAINTAIN FREE FLOW AREA INDICATED.
29. USE FLAT TRANSVERSE SEAM FOR DUCTWORK WHERE SPACE AVAILABLE DICTATES.
30. DIFFUSER SIZES SHOWN ARE NECK SIZES. REGISTERS AND GRILLE SIZES ARE NOMINAL.
31. PROVIDE VOLUME DAMPERS OR OTHER APPROVED BALANCING DEVICES AT DUCT BRANCHES AND RUN OUTS, AND AT REGISTER GRILLE AND DIFFUSER NECKS IN SUPPLY, RETURN AND EXHAUST DUCTWORK WHETHER SHOWN OR NOT.
32. DUCTWORK DOWNSTREAM OF ALL FANS SHALL BE ACOUSTICALLY LINED WITH 1\"/>

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STATE OF NEW JERSEY  
DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)



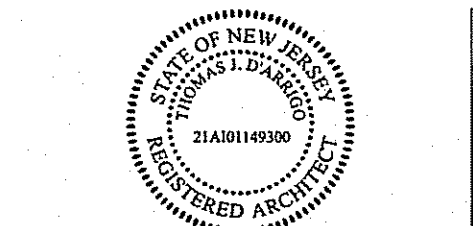
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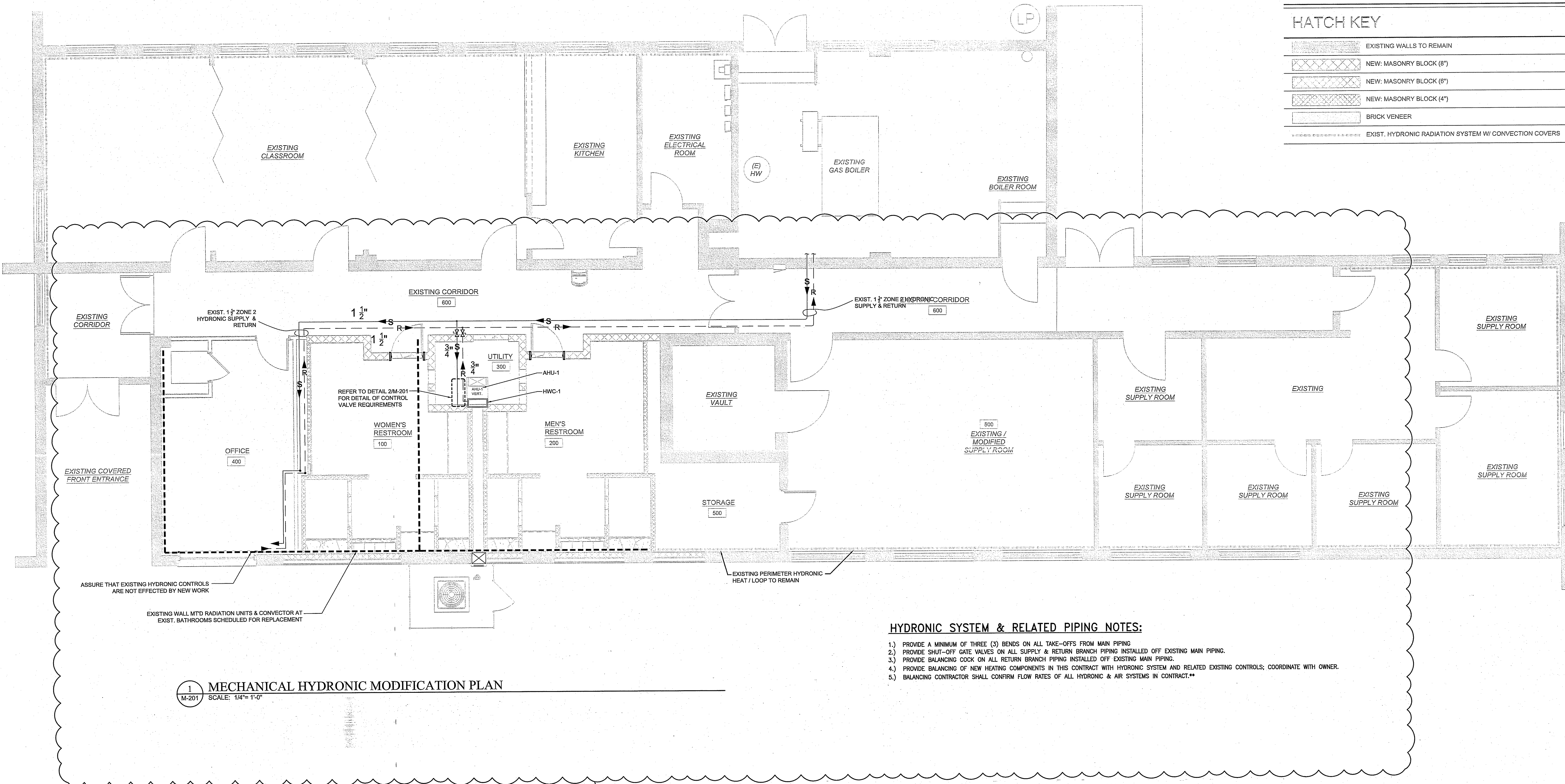

DRAWING TITLE:

MECHANICAL  
FORCED AIR PLAN &  
SCHEDULES

JOB NO.	HA007
DRN. BY	CD
CHKD	TJD
SCALE	AS NOTED
DATE	12-06-21

M-200



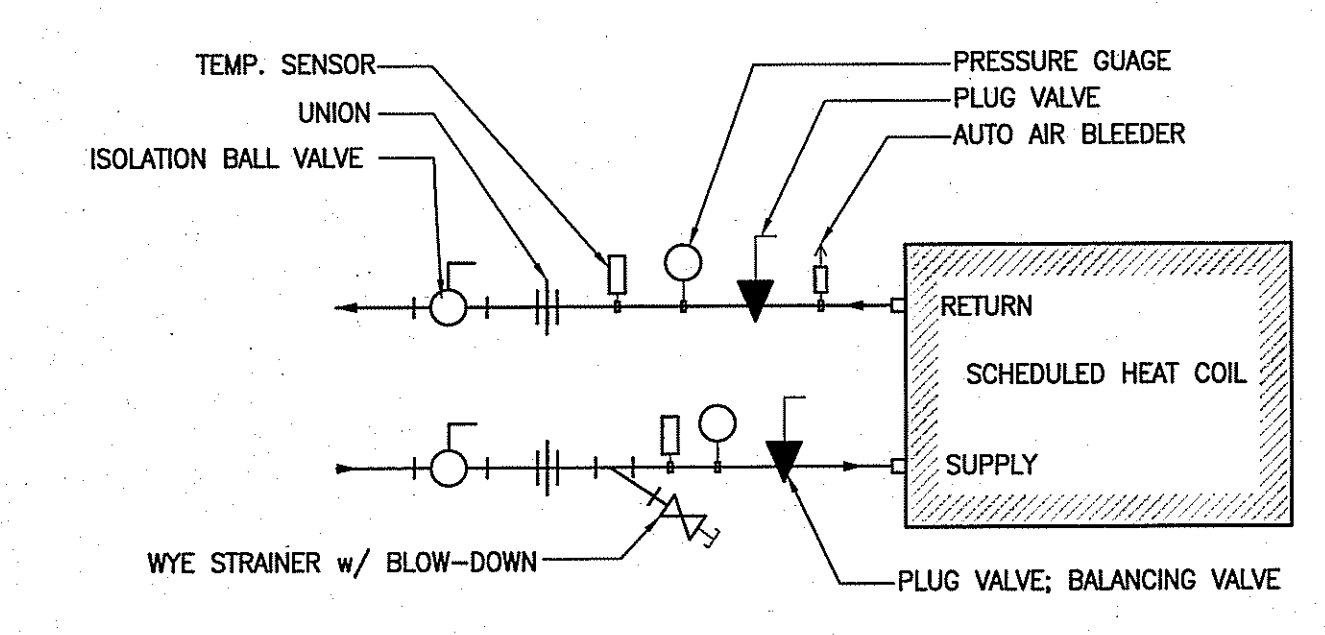


### HATCH KEY

[Pattern]	EXISTING WALLS TO REMAIN
[Pattern]	NEW: MASONRY BLOCK (8")
[Pattern]	NEW: MASONRY BLOCK (6")
[Pattern]	NEW: MASONRY BLOCK (4")
[Pattern]	BRICK VENEER
[Pattern]	EXIST. HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

- #### HYDRONIC SYSTEM & RELATED PIPING NOTES:
- 1.) PROVIDE A MINIMUM OF THREE (3) BENDS ON ALL TAKE-OFFS FROM MAIN PIPING.
  - 2.) PROVIDE SHUT-OFF GATE VALVES ON ALL SUPPLY & RETURN BRANCH PIPING INSTALLED OFF EXISTING MAIN PIPING.
  - 3.) PROVIDE BALANCING COCK ON ALL RETURN BRANCH PIPING INSTALLED OFF EXISTING MAIN PIPING.
  - 4.) PROVIDE BALANCING OF NEW HEATING COMPONENTS IN THIS CONTRACT WITH HYDRONIC SYSTEM AND RELATED EXISTING CONTROLS; COORDINATE WITH OWNER.
  - 5.) BALANCING CONTRACTOR SHALL CONFIRM FLOW RATES OF ALL HYDRONIC & AIR SYSTEMS IN CONTRACT.\*\*

**1 MECHANICAL HYDRONIC MODIFICATION PLAN**  
SCALE: 1/4"= 1'-0"



**2 CONTROL VALVE REQUIREMENTS**  
SCALE: NOT TO SCALE

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STATE OF NEW JERSEY  
JAN 1 2024  
TJD  
REGISTERED ARCHITECT  
Professional Seal

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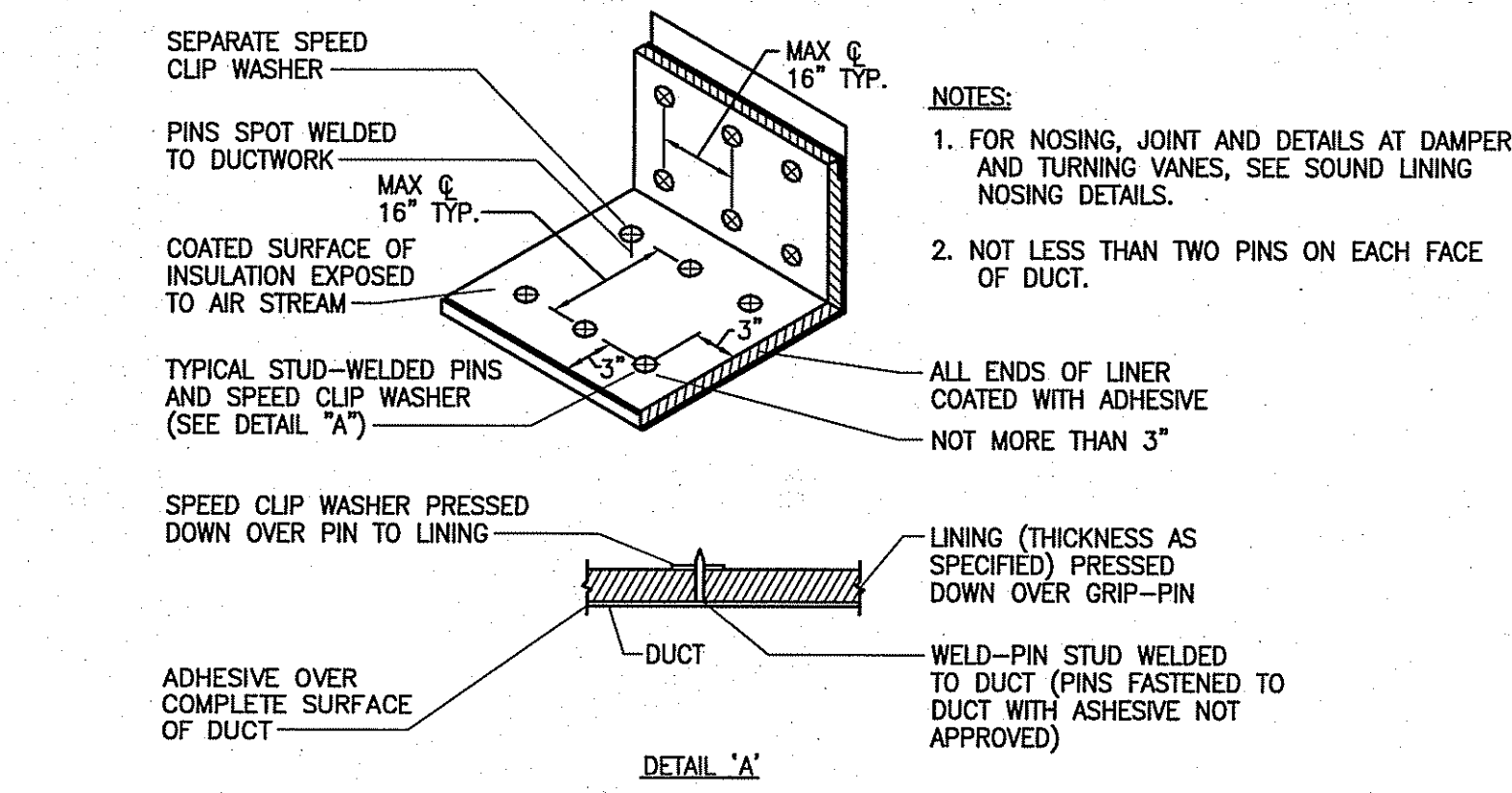
ISSUE	DATE	DESCRIPTION
1	7/26/24	AMENDED SCOPE

DRAWING TITLE:  
**MECHANICAL HYDRONIC MODIFICATION PLAN**

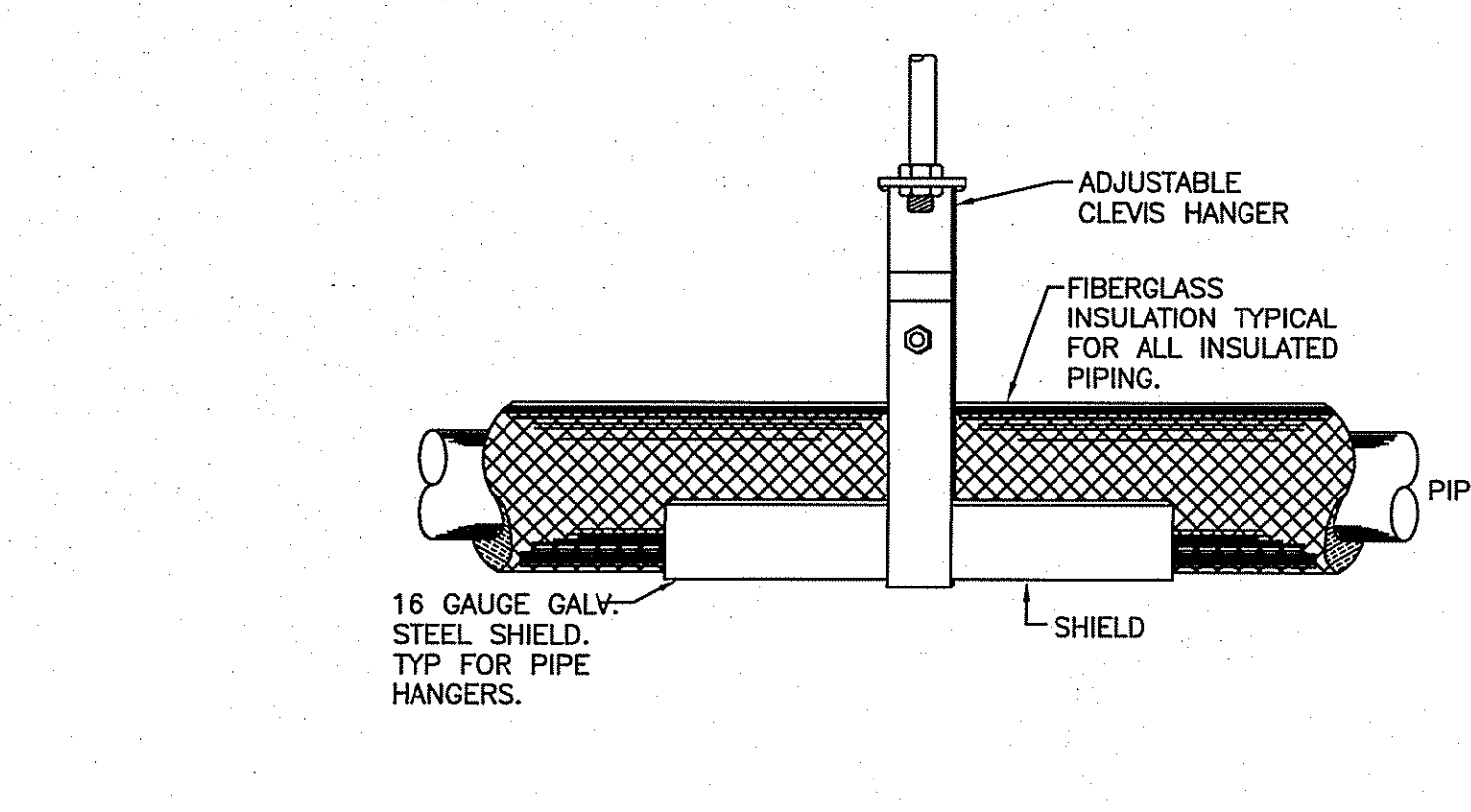
JOB NO.	HA007
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CHK'D	TJD
SCALE	AS NOTED
DATE	12-06-21

**M-201**

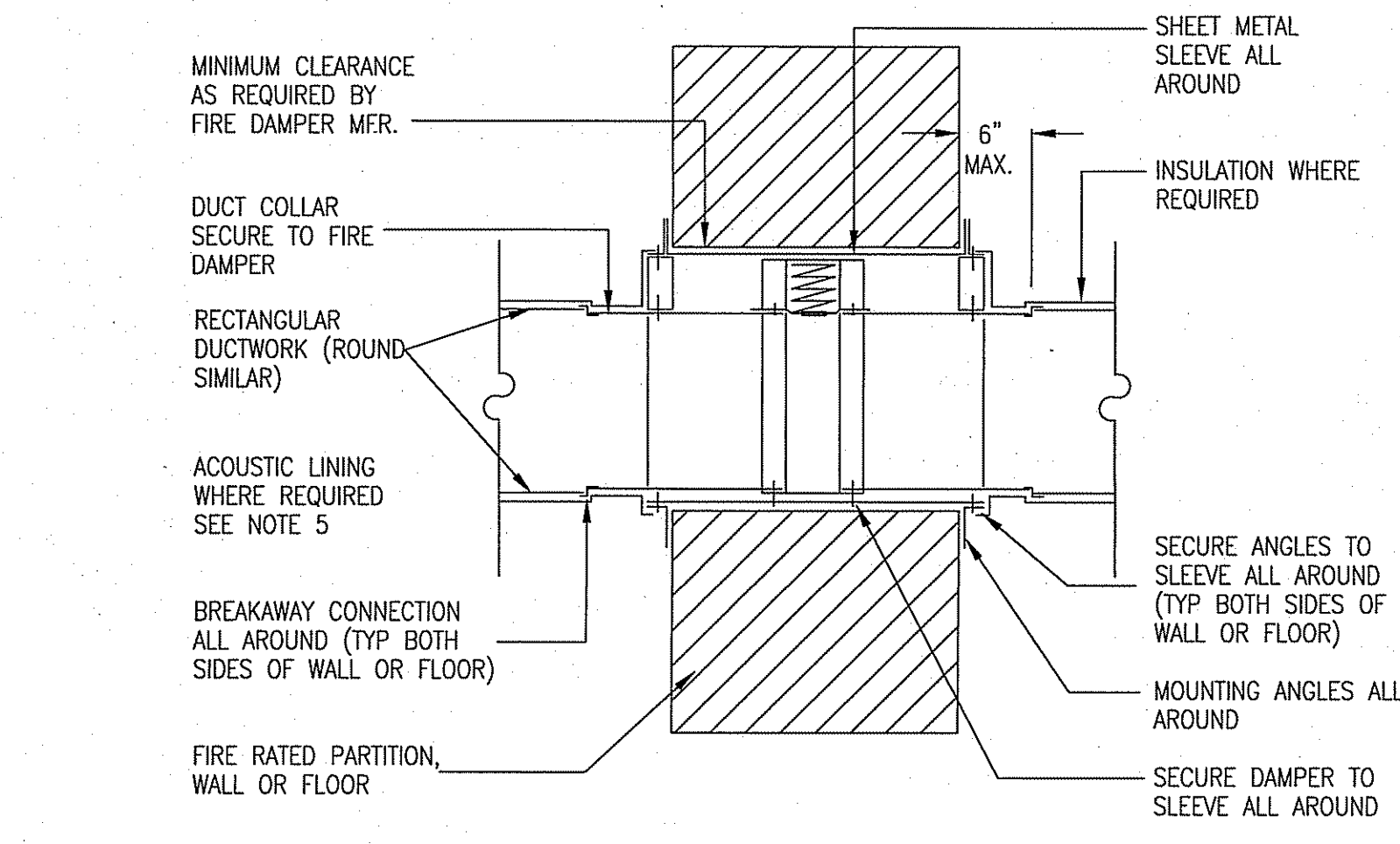




12 SOUND LINING INSTALLATION DETAIL  
M-201 SCALE: N.T.S.



8 HYDRONIC PIPE SUPPORT DETAIL  
M-201 SCALE: N.T.S.



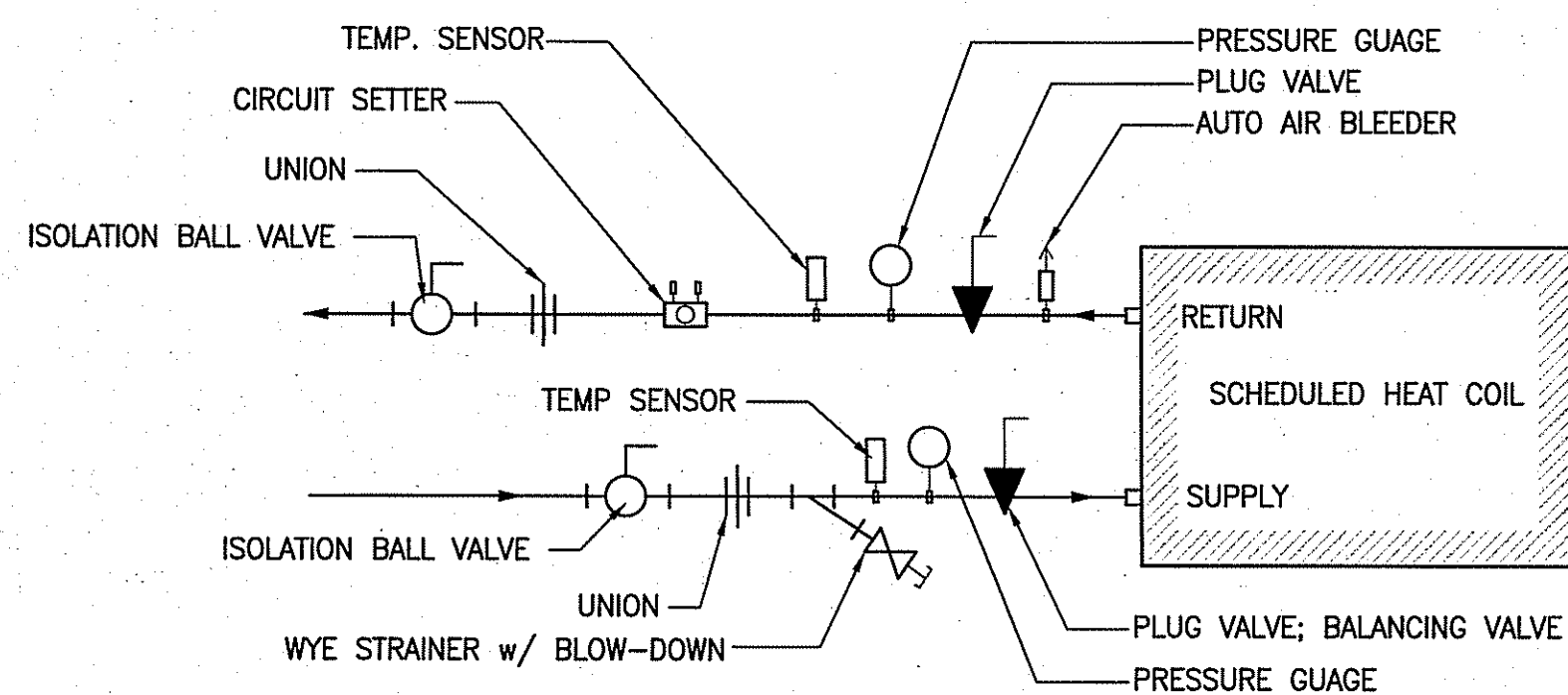
1 EXHAUST FAN SUSPENSION DETAIL  
M-300 SCALE: NOT TO SCALE

- 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.

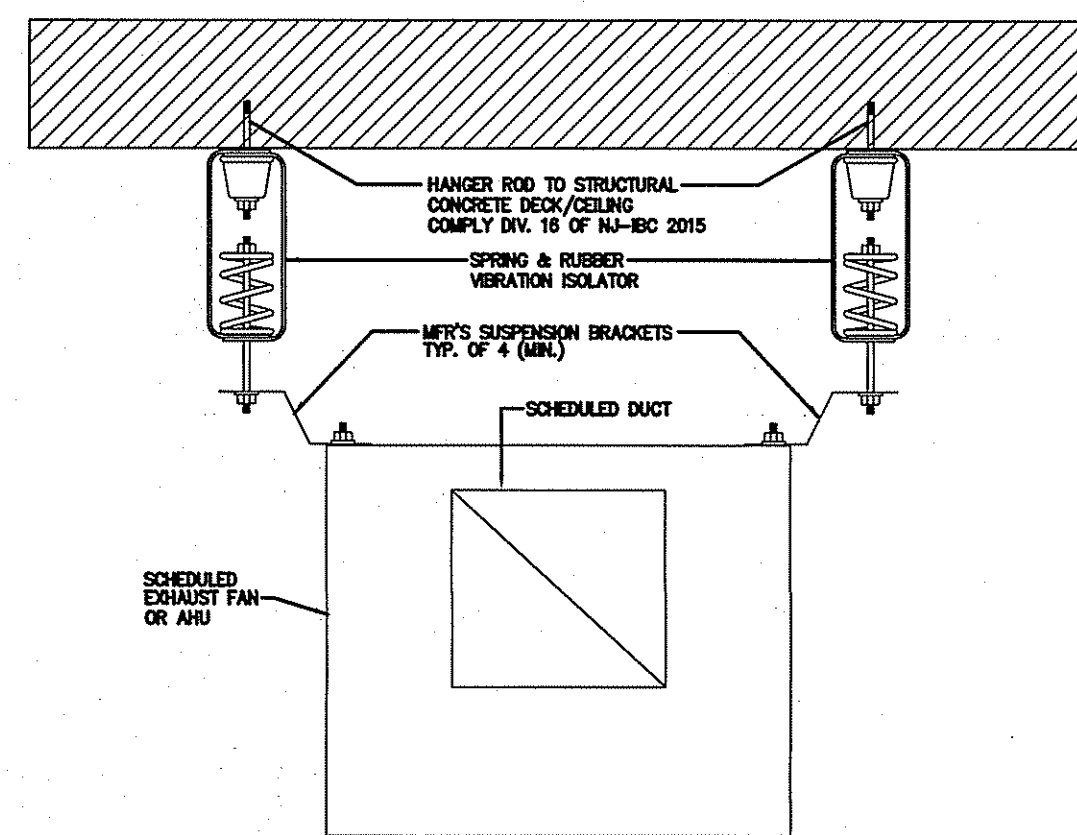
PIPE SUPPORT SCHEDULE			NOTES:
PIPE SIZE	MODEL NO.	MAX SPACING	
1"	3-R	6'	1. PIPING SHALL BE SUPPORTED AT ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN TABLE. 2. PIPING SHALL BE SLOPED AND ROUTED TO PREVENT TRAPPING CONDENSATE (EXCEPT AT DIRT LEGS) AND TO FACILITATE CONDENSATE DRAINAGE. 3. DO NOT ATTACH 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

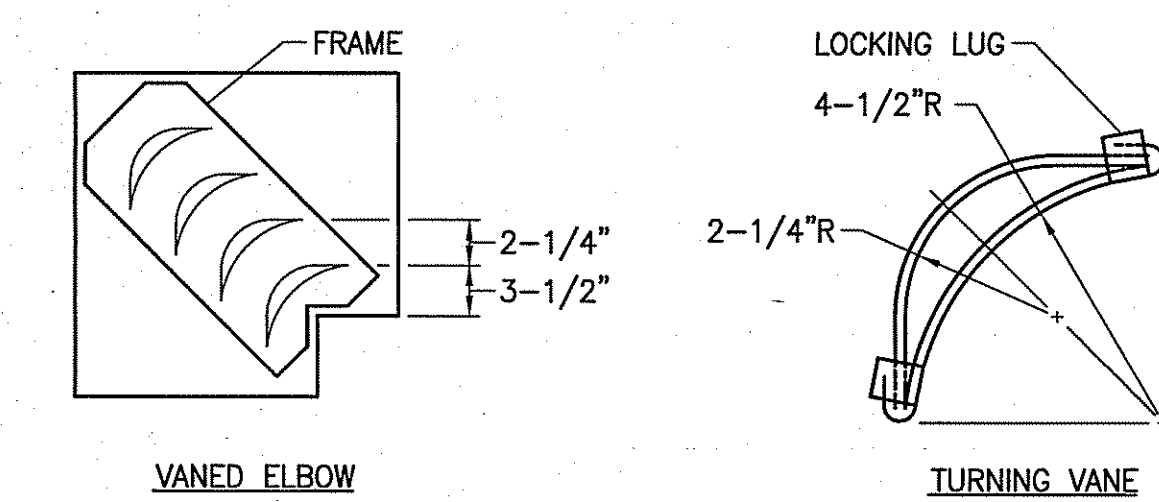
9 PIPE HANGER SCHEDULE  
M-201 SCALE: N.T.S.



10 TYPICAL RADIATION CONNECTION AT HEAT COIL  
M-201 SCALE: N.T.S.

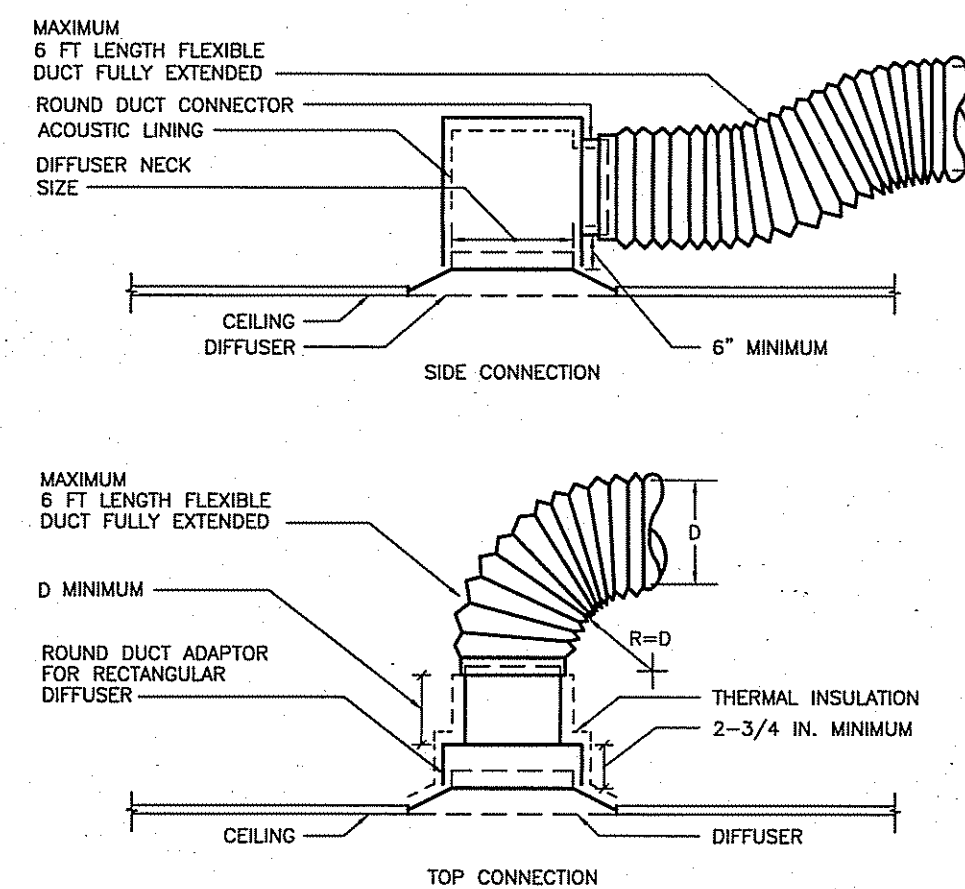


3 VIBRATION ISOLATION DETAIL  
M-300 SCALE: NOT TO SCALE

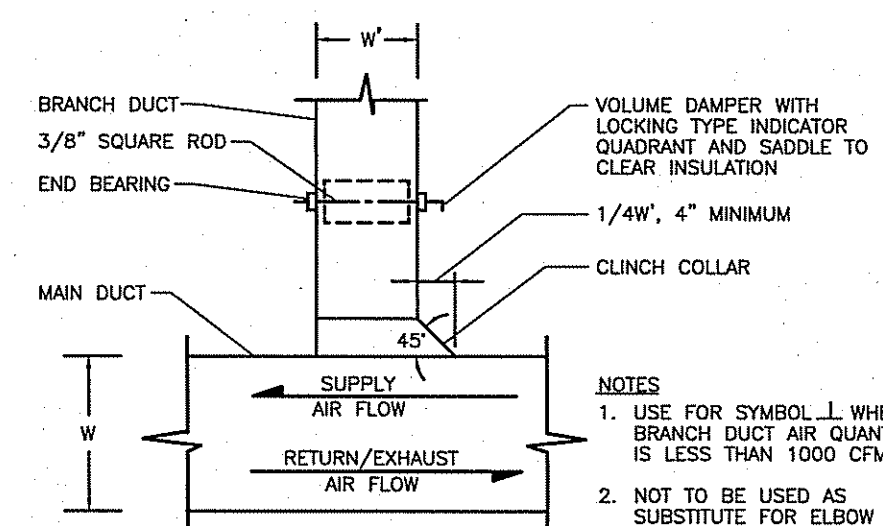


- NOTES:
- LOCKING LUGS INTEGRAL WITH VANE
  - MAXIMUM UNSUPPORTED VANE LENGTH 48"
  - FRAMES - BOLTED OR RIVETED TO ELBOW
  - VANES AND FRAMES - SAME GAUGE AS ELBOW

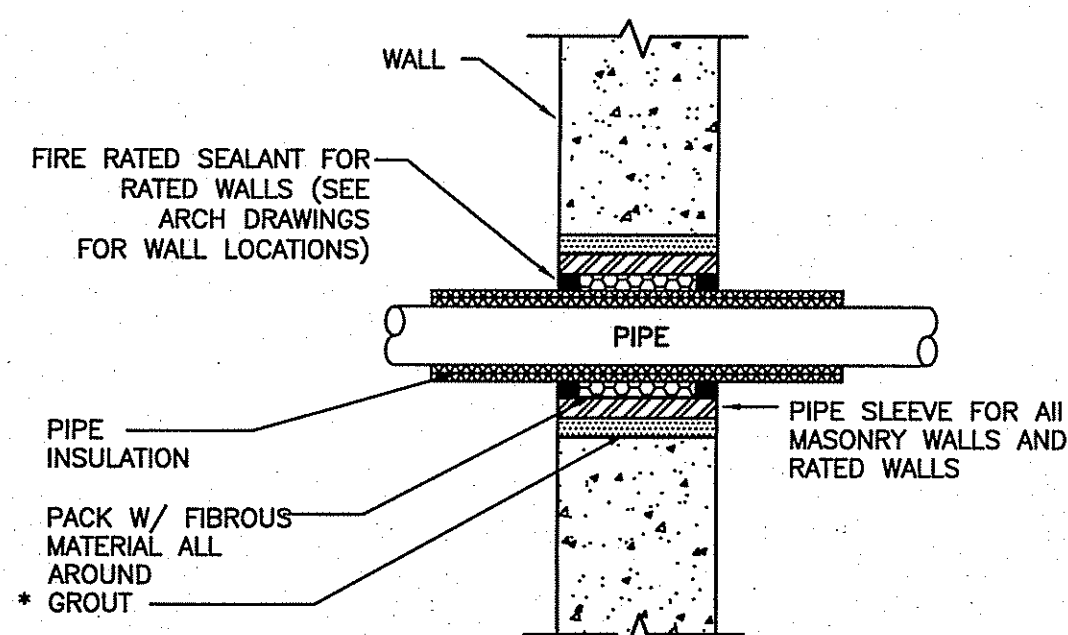
2 TURNING VANES FOR RECT. ELBOWS  
M-300 SCALE: N.T.S.



5 DIFFUSER CONNECTION DETAIL  
M-300 SCALE: NOT TO SCALE

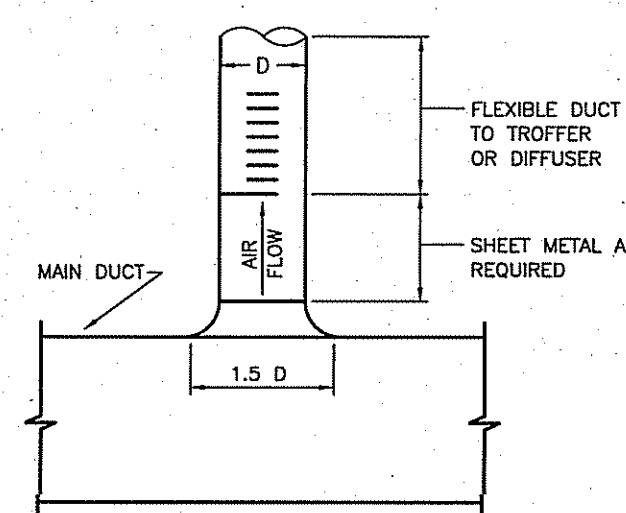


4 RECT. DUCT ANGULAR TAP W/ V. DAMPER  
M-300 SCALE: NOT TO SCALE

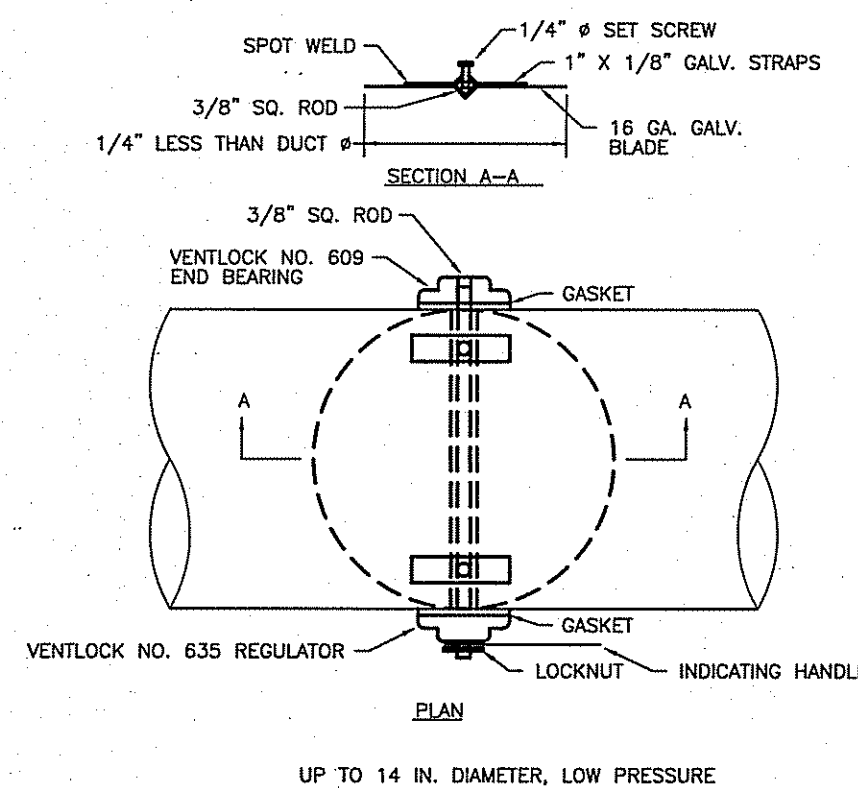


- NOTES:
- DETAILS SHOWN ABOVE SHALL BE USED WHENEVER A PIPE OR DUCT PASSES THROUGH AN EQUIPMENT, BOILER ROOM OR CORRIDOR WALL OR FLOOR SLABS.
  - 3M FIRE BARRIER PENETRATION SEALING SYSTEM PRODUCTS OR AN APPROVED EQUAL.
  - IF APPLICABLE

11 PIPE PENETRATION DETAIL  
M-201 SCALE: N.T.S.



7 CIRCULAR BRANCH CONNECTION  
M-300 SCALE: NOT TO SCALE



6 ROUND VOLUME DAMPER  
M-300 SCALE: NOT TO SCALE

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DRAWING TITLE:  
MECHANICAL  
DETAILS

JOB NO. HA007  
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SCALE AS NOTED  
DATE 12-08-21

M-300



ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
BLDG	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
CW/U	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	FROM ABOVE
FB	FROM BELOW
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FPC	FIRE PROTECTION CONTRACTOR
G	GAS(NATURAL)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HW	HOT WATER
HW/U	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IM	ICE MAKER
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 <sub>2</sub> O	NITROUS OXIDE
N <sub>T</sub> S	NOT TO SCALE
NP	NON POTABLE
O <sub>2</sub>	OXYGEN
PC	PLUMBING CONTRACTOR
PP	POLYPROPYLENE
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLY VINYL CHLORIDE
(RL)	RELOCATED ITEM
RWC	RAINWATER CONDUCTOR
SAN	SANITARY
SK	SINK
S	STACK
SHR	SHOWER
SS	SERVICE SINK
TB	THRUST BLOCK
TDH	TOTAL DYNAMIC HEAD
UR	URINAL
V	VENT
VAC	VACUUM
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEANOUT
W/O	WITH
W/O	WITH OUT
W.C.	WATER COLUMN
WC	WATER CLOSET

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

PLUMBING LEGEND	
----	COLD WATER PIPING
----	HOT WATER PIPING
----	HOT WATER RECIRCULATION PIPING
----	SANITARY OR WASTE PIPING
----	STORM WATER PIPING
----	VENT PIPING
---IW---	INDIRECT WASTE PIPING
---X---	SPECIAL PIPING SYSTEM (G, A ETC, LETTER DENOTES SERVICE)
-----	PIPING W/ FREEZE PROTECTION
----	COLD WATER PIPING (EXISTING)
----	HOT WATER PIPING (EXISTING)
----	HOT WATER RECIRCULATION PIPING (EXISTING)
----	SANITARY OR WASTE PIPING (EXISTING)
----	STORM WATER PIPING (EXISTING)
-----	VENT PIPING (EXISTING)
---IW---	INDIRECT WASTE PIPING (EXISTING)
---X---	EXISTING PIPING (G, CA, ETC. LETTER DENOTES SERVICE)
---I---	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
⋈	"RPZ" 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)
⋈	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
⋈	DETAIL NO.
⋈	DWG NO.
⋈	SECTION DESIGNATION
⋈	SECTION NO.
⋈	DWG NO.

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 PIPING 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-69 AND THE AUTHORITY HAVING JURISDICTION.
11.	ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIREPROOFING 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.

PLUMBING EQUIPMENT SCHEDULE					
No.	ITEM & MANUFACTURER	LOCATION	CAPACITY	ELECTRICAL/ GAS REQUIREMENTS	NOTES & REMARKS
DWH-1A	INSTANTENOUS WATER HEATERS, NORITZ	UTILITY ROOM	4.5 GPM @ 100°F RISE	120V-1PH-60HZ 199,000 BTU'S	HEATERS TO RECEIVE HOT WATER CIRCULATING PUMP SYSTEM.
DWH-1B			4.5 GPM @ 100°F RISE		
HWRP-1	HOT WATER RETURN PUMP, TACO, 008-SC4-1PMP	UTILITY ROOM	2 GPM @ 13 FT. HEAD	115V-60HZ-1PH, 3250 RPM, 1/40HP 0.52 AMPS	PROVIDE TIME CLOCK FOR OPERATION
ET-1	EXPANSION TANK, THERM-X-TROL, ST-8	UTILITY ROOM	TOTAL VOLUME 3.2 GALS.	NONE	NONE

PLUMBING FIXTURE CONNECTION SCHEDULE										
No.	FIXTURE	TRAP (1)	DRAIN (1)	DFU's	VENT	CW	CW/U's	HW	HW/U's	REMARKS
WC-1	WATER CLOSET (TANK)	INTEGRAL	4"	4	2"	0.5"	2.5	-	-	
WC-1A	WATER CLOSET (TANK)	INTEGRAL	4"	4	2"	0.5"	2.5	-	-	PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS
LAV-1	LAVATORY (2)	1.25" (1)	1.25"	1	1.25"	0.5"	0.8	0.5"	0.8	
LAV-1A	LAVATORY (2)	1.25" (1)	1.25"	1	1.25"	0.5"	0.8	0.5"	0.8	PROVIDE ROUGH-IN AND CONNECTIONS FOR HANDICAPPED ACCESS
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
UR-1	URINAL	INTEGRAL	2"	5	1.50"	0.75"	4	-	-	

NOTES:  
(1) ALL SIZES SHOWN ARE MINIMUMS. SEE PLANS FOR EXCEPTIONS.  
(2) PROVIDE TMV-1 SET AT 110°F FOR ALL LAVATORIES.

PLUMBING SPECIALITY SCHEDULE				
No.	ITEM	MANUFACTURER	MODEL No.	REMARKS
BV-1	BALANCING VALVE (HWR)	CIRCUIT SETTER, THERMOMEGA TECH	CS-112-130	PROVIDE BALL VALVE, CHECK VALVE & THERMOMETER
TMV-1	THERMOSTATIC MIXING VALVE	POWERWATTS	LFG-480	LOW FLOW, SET FOR 100°

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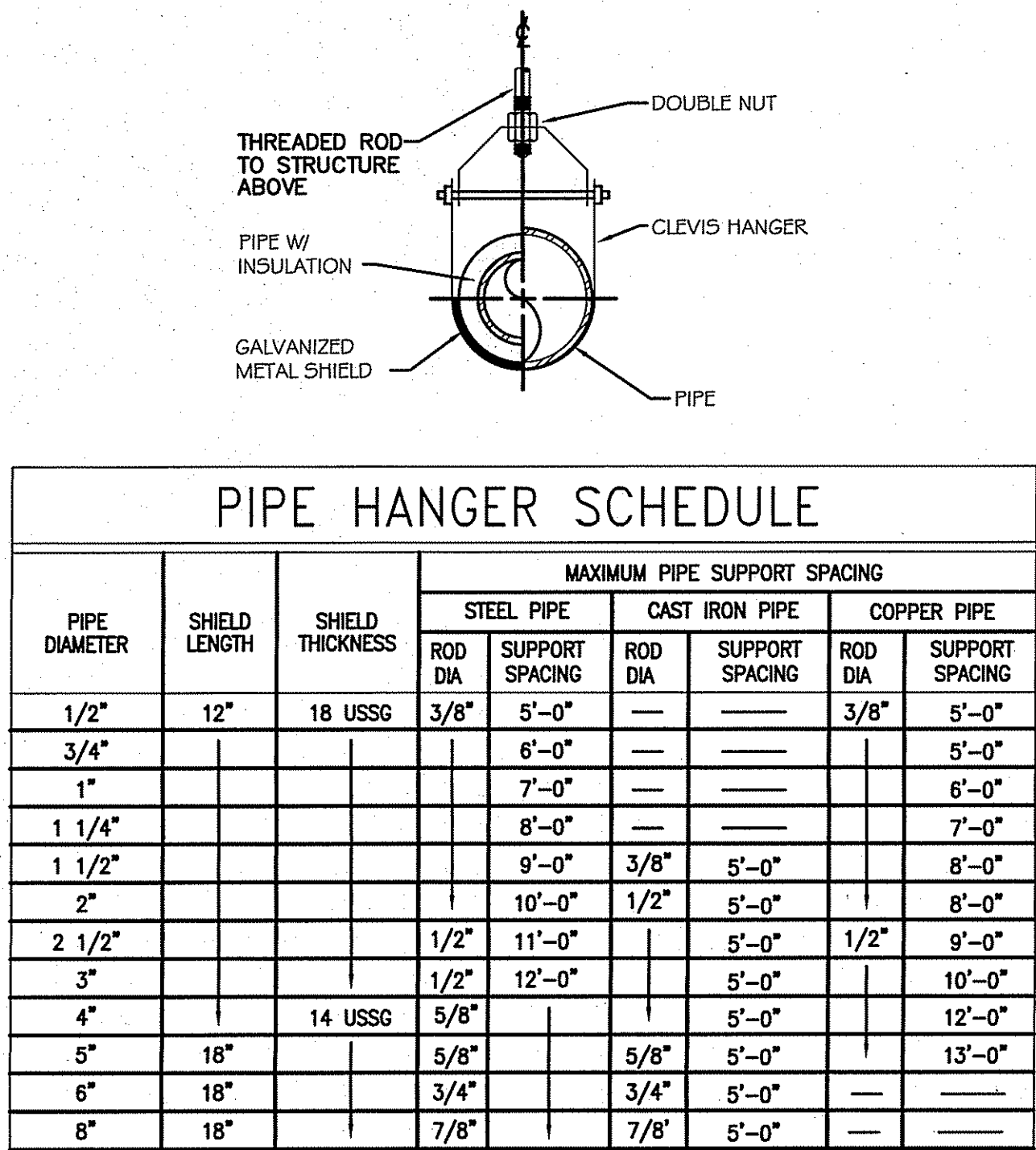
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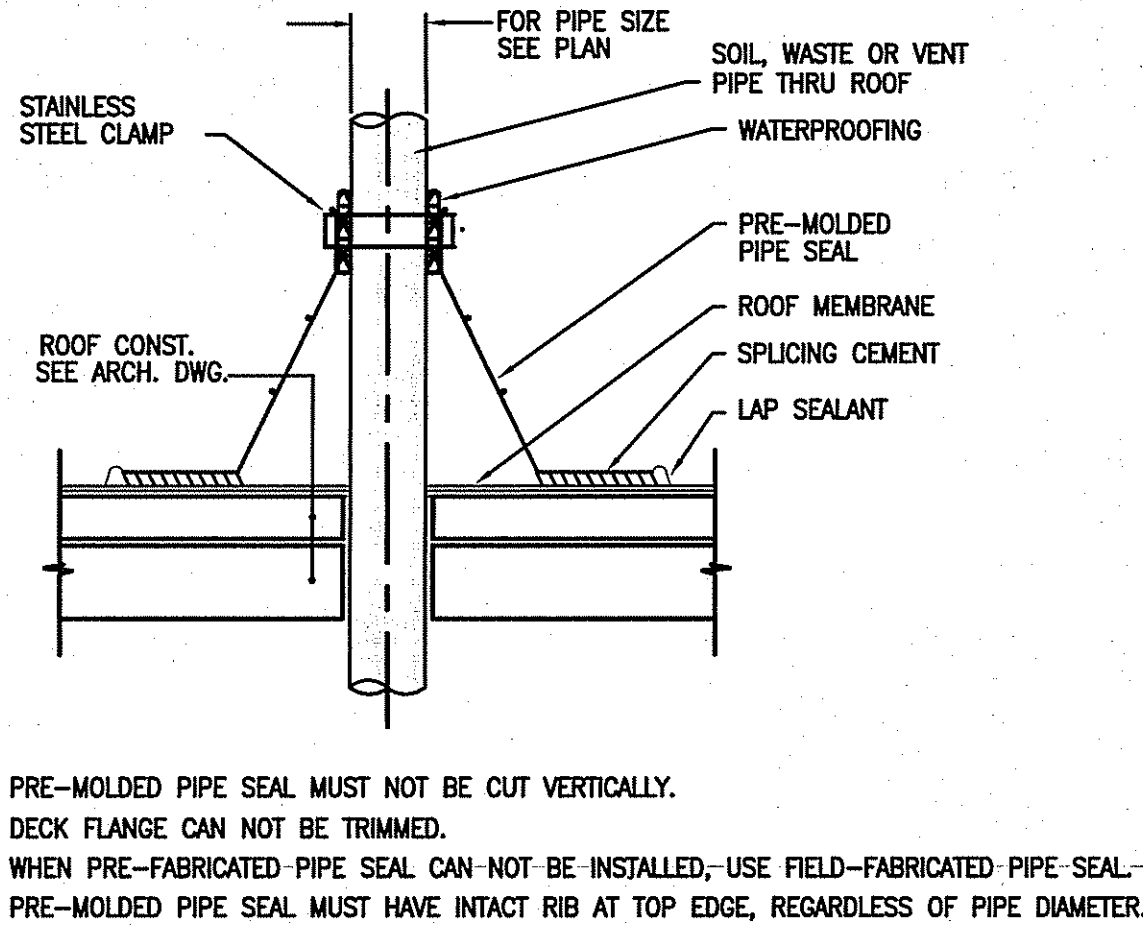
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PLUMBING GENERAL NOTES, SYMBOLS, SCHEDULES	

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DRN. BY	CD
CHK'D	TJD
SCALE	AS NOTED
DATE	12-06-21

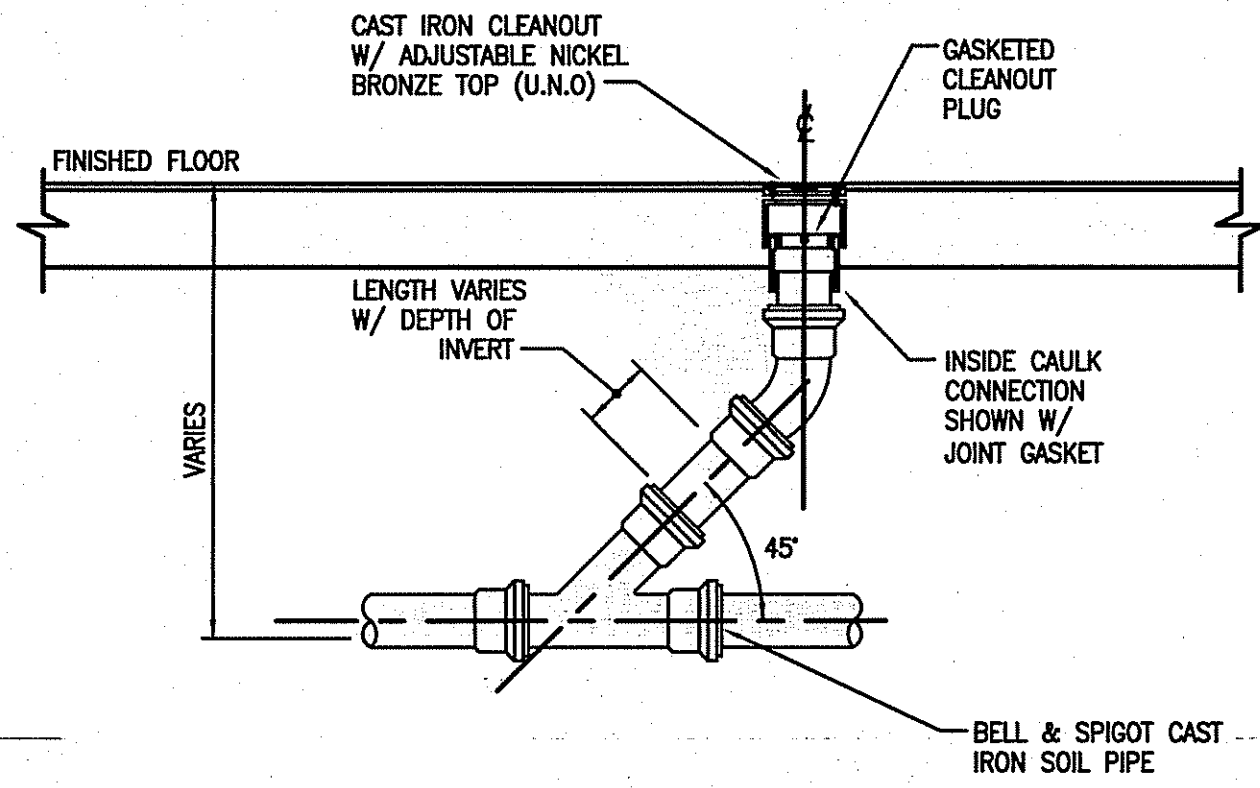




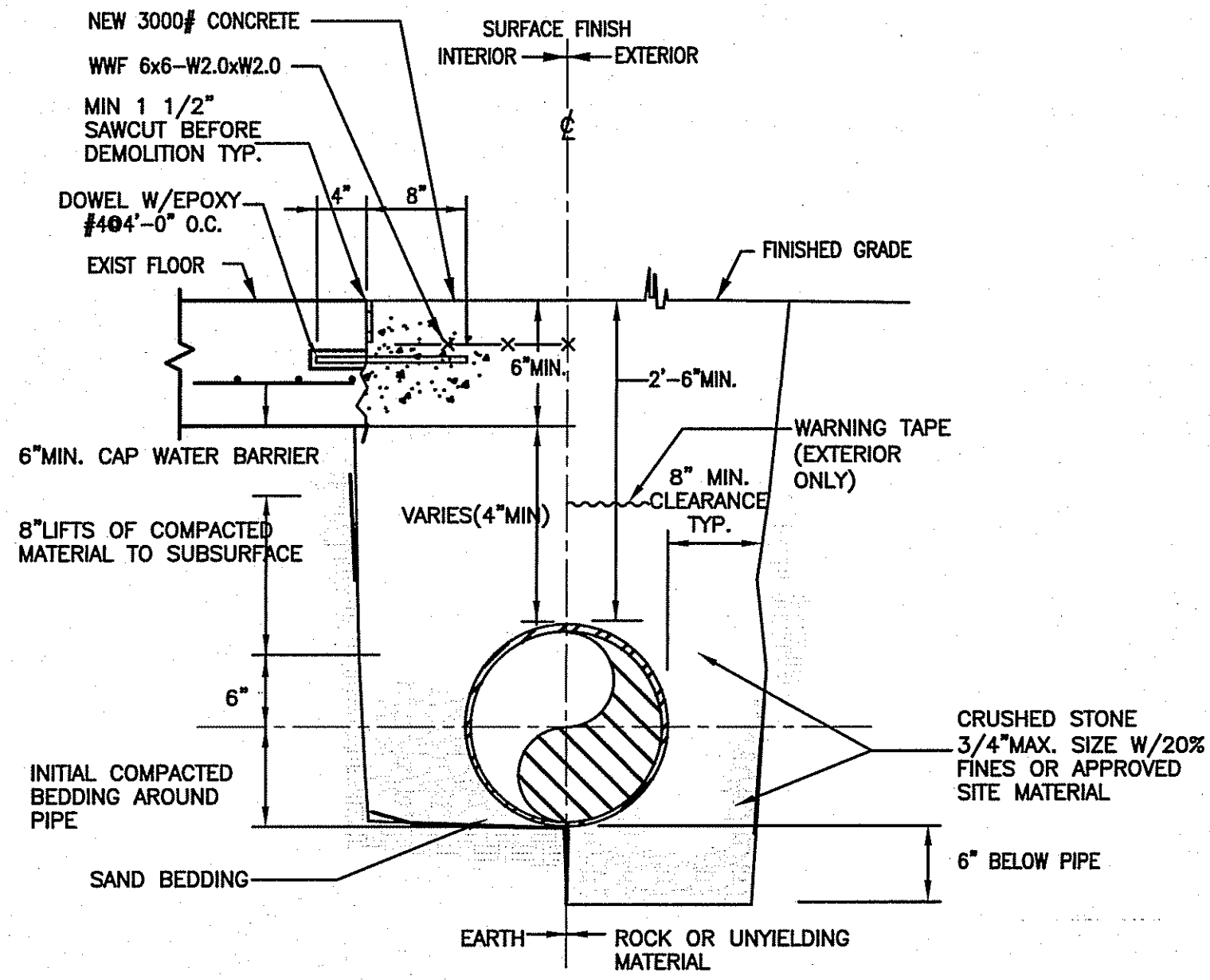
4 PIPE HANGER DETAIL (TYP)  
SCALE: N.T.S.



3 VENT FLASHING DETAIL (TYP)  
SCALE: N.T.S.



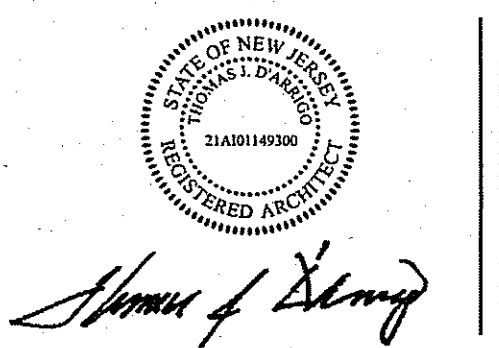
2 FLOOR CLEANOUT DETAIL  
SCALE: N.T.S.



1 BELOW GRADE PIPE INSTALLATION DETAIL  
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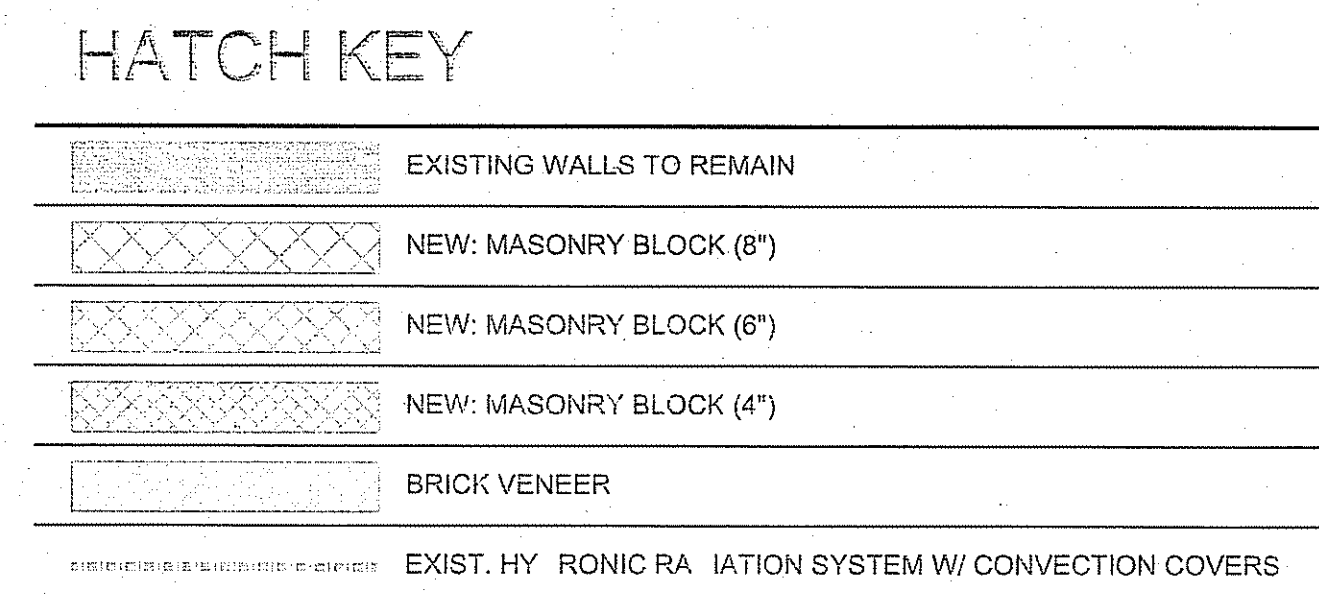
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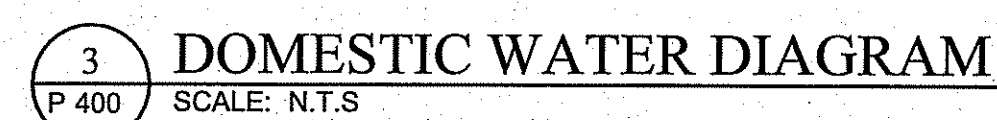
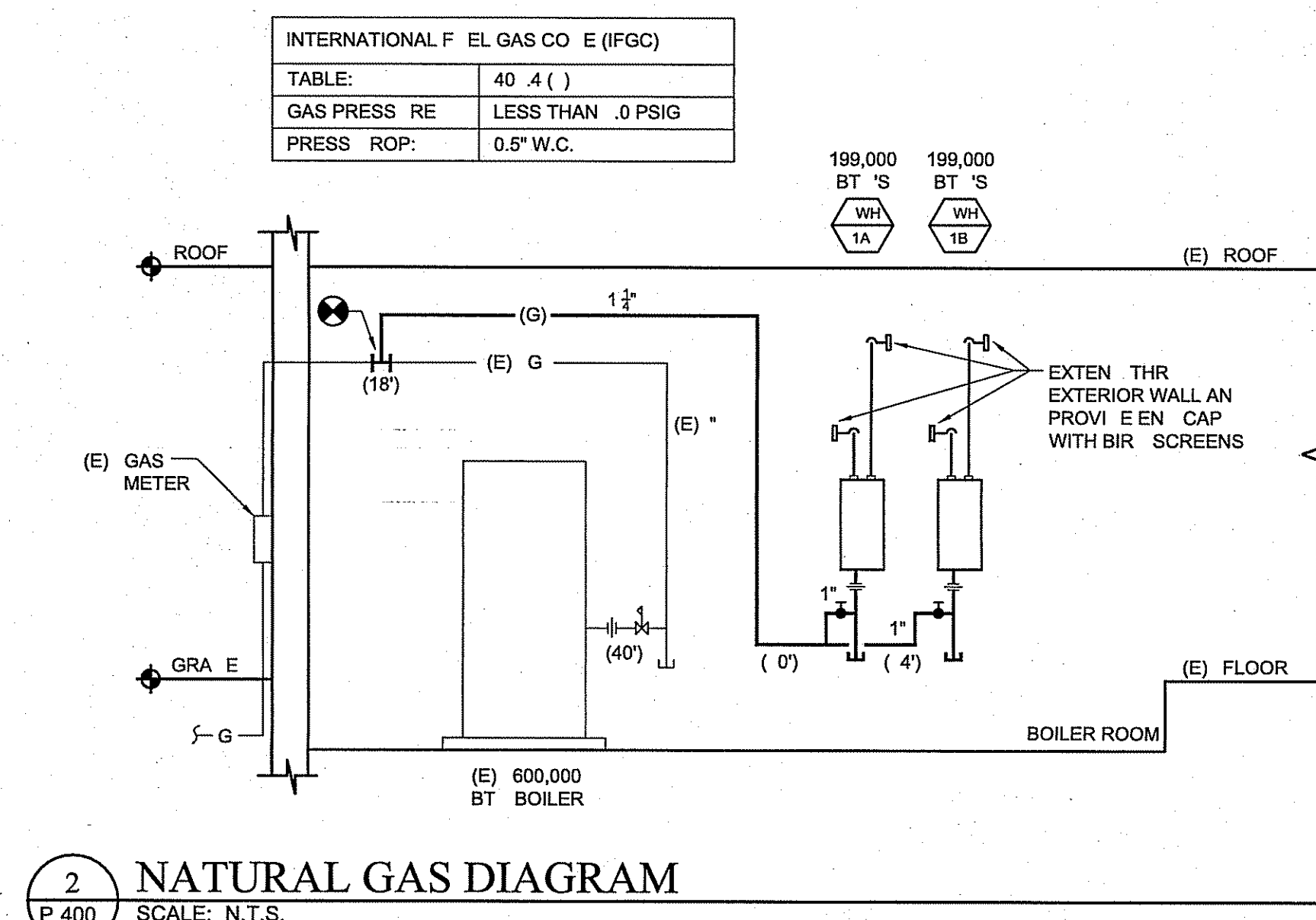
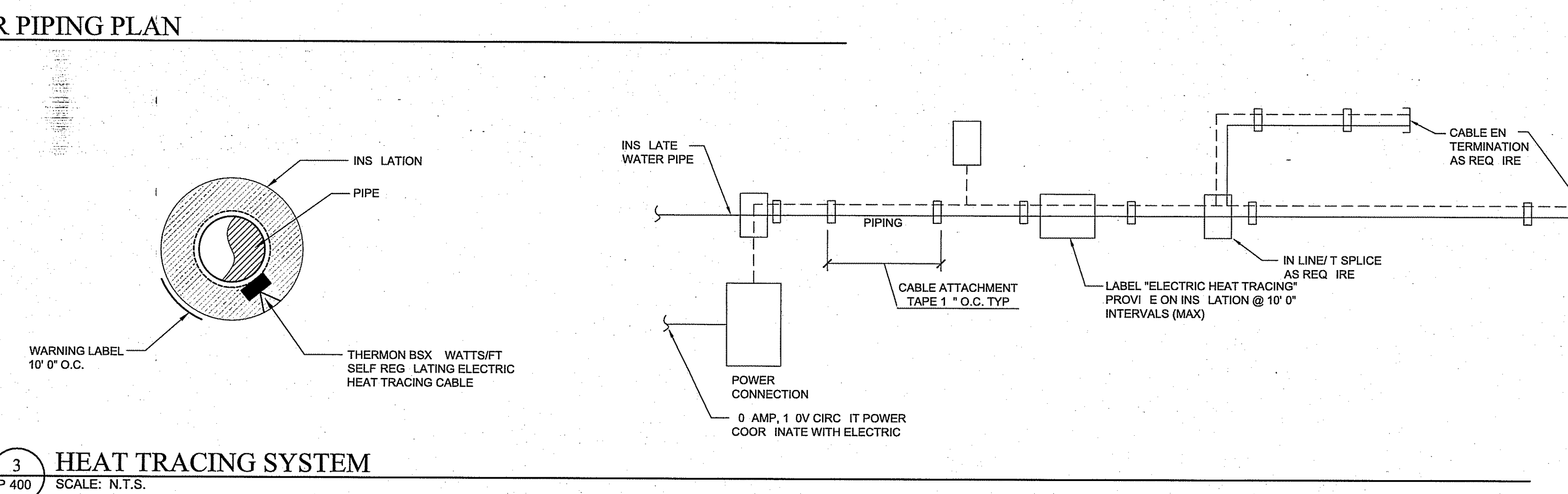
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OMESTIC PIPING  
PLANS & IAGRAMS

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SCALE	AS NOTE
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P 400



# HATCH KEY

	EXISTING WALLS TO REMAIN
	NEW MASONRY BLOCK (8")
	NEW MASONRY BLOCK (16")
	NEW MASONRY BLOCK (4")
	BRICK VENEER
	EXIST. HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

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HAMMONTON NATIONAL GUARD ARMY

0 SOUTH EGG HARBOR ROAD

HAMMONTON, NEW JERSEY 08077

STATE OF NEW JERSEY

DEPARTMENT OF N

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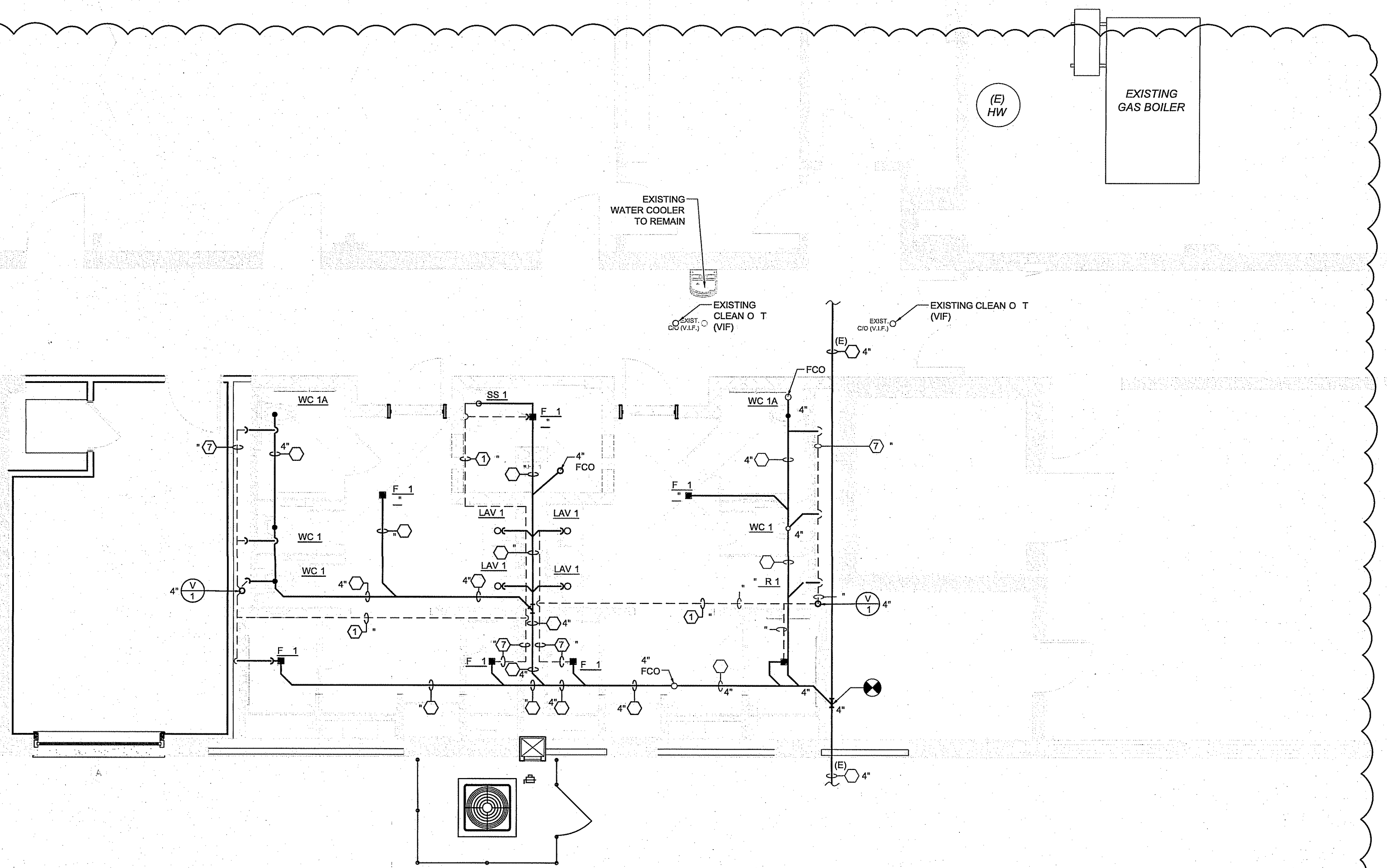


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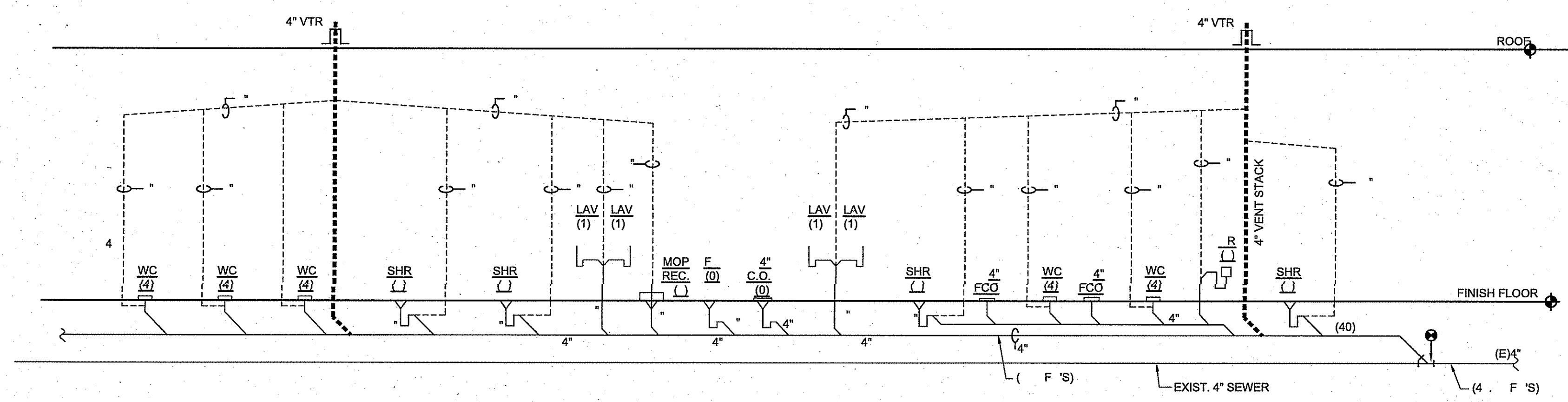
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 PLUMBING  
 SANITARY PLANS &  
 DIAGRAMS

JOB NO.	HA007
REV. BY	C
CHK	TJ
SCALE	AS NOTE
DATE	1/06/11

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

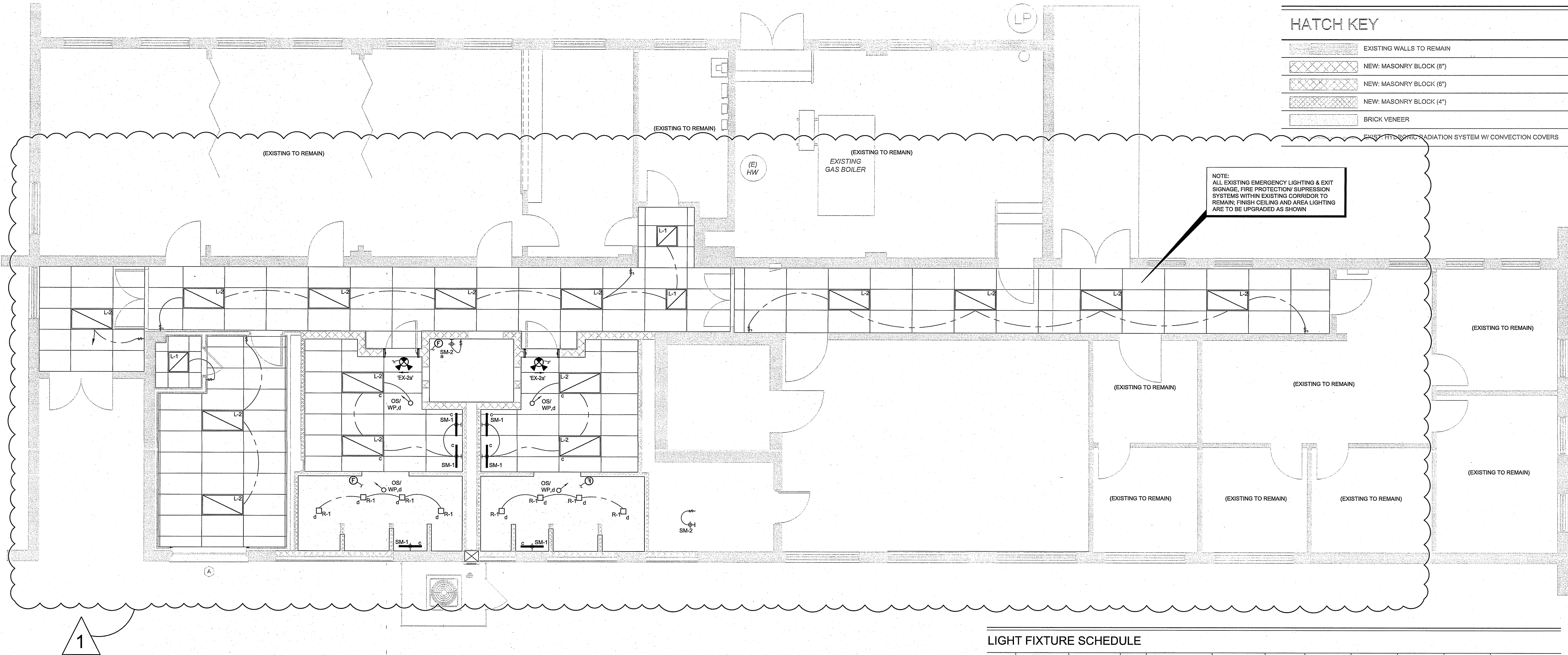


2 SANITARY RISER DIAGRAM  
 SCALE: NTS









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

GENERAL NOTES:

- ALL LIGHTING SHOWN IS TO BE RECONNECTED AND EXTENDED TO PANEL WP CIRCUIT 8.
- ALL EXISTING AND NEW EXIT SIGNS AND EMERGENCY BATTERY PACKS ARE TO BE CONNECTED AHEAD OF LOCAL SWITCHING AND OCCUPANCY CONTROLS.

HATCH KEY

	EXISTING WALLS TO REMAIN
	NEW: MASONRY BLOCK (8")
	NEW: MASONRY BLOCK (4")
	BRICK VENEER
	EXIST: HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

NOTE:  
ALL EXISTING EMERGENCY LIGHTING & EXIT  
SIGNAGE, FIRE PROTECTION/ SUPPRESSION  
SYSTEMS WITHIN EXISTING CORRIDOR TO  
REMAIN; FINISH CEILING AND AREA LIGHTING  
ARE TO BE UPGRADED AS SHOWN

LIGHT FIXTURE SCHEDULE

MARK	SYMBOL	TYPE	SIZE	MANUFACTURER	MODEL #	FINISH	WATTAGE	COLOR TEMP	VOLTAGE	FIXTURE RATING	MOUNTING HEIGHT
SM-1		WALL/ SURFACE MOUNTED	26"	THE ICON LINEAR LED COMPLIANT	ICON SCONCE/ 24	BRUSHED ALUMINUM NICKEL	(1) 50W LED STRIP MODULE	3,000 K	120 V	DAMP	REFER TO INTERIOR ELEVATIONS
SM-2		WALL/ SURFACE MOUNTED	7.2" X 10"	LITHONIA LIGHTING WALL MOUNT VAPOR TIGHT	VW1501 M12	GREY	150 W (MAX)	4,000 K	120 V/ 60 HZ	WET	-
R-1		RECESSED	3"	HALO 3" LED LENSED SHOWER LIGHT WITH REMOTE DRIVER IN ACCESSIBLE CLG	HLB3S-05-940-1E-MW	WHITE	(800 LUMENS)	4,000 K	120 V	WET & DAMP	-
L-1		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		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 x, z		z - GROUPING OF OS		WATTSTOPPER	TYPE A - DT-300 TYPE B - DT-305	WHITE	-	-	-	-	REFER TO DETAILS 2 AND 3 THIS DRAWING FOR ADDITIONAL WORKING
F-1		EXHAUST FAN (BATHROOM)		GREENHECK	SP-8150	WHITE	128	-	-	-	-

EMERGENCY LIGHTING/ ALARM FIXTURE SCHEDULE

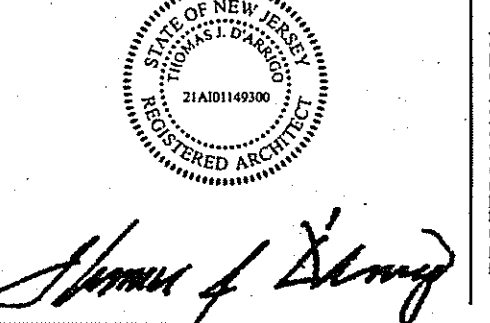
MARK	TYPE	MANUFACTURER	MODEL #	MOUNTING HEIGHT	POWER REQUIREMENTS
Ⓢ	AUDIO/ VISUAL FIRE ALARM SIGNAL COMBINATION FIRE ALARM HORN & STROBE LIGHT UNIT	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	PROVIDE EXTENDER PANEL (IF REQUIRED)
Ⓢ	VISUAL FIRE ALARM SIGNAL VISUAL SIGNAL ONLY	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	PROVIDE EXTENDER PANEL (IF REQUIRED)
F	MANUAL PULLSTATION	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	WALL	
H	FIXED TEMPERATURE HEAT DETECTOR	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	CEILING MOUNT	
S	PHOTOELECTRIC SMOKE DETECTOR	FCI	COMPATIBLE WITH EXISTING FACP IN BOILER ROOM	CEILING MOUNT	
EX-14	CEILING MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/ FACES "X" = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS	CEILING MOUNT	DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
EX-14	WALL MOUNTED EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/ FACES "X" = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS	WALL MOUNT	DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
EX-24	CEILING MOUNTED EMERGENCY LIGHT & EXIT COMBINATION - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/ FACES "X" = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS ACCESSORIES: AUXFAP (FIRE ALARM INTERFACE MODULE)	WALL MOUNT	DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL
EX-24	WALL MOUNTED EMERGENCY LIGHT & EXIT COMBINATION - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/ FACES "X" = FIXTURE TYPE	ATLITE AUX SERIES	SERIES: SELF POWERED (AUXS) FINISH: BLACK OPTIONS: SELF DIAGNOSTICS (SELF-POWERED) LENS: 6" LETTERS ACCESSORIES: AUXFAP (FIRE ALARM INTERFACE MODULE)	WALL MOUNT	DUAL VOLTAGE INPUT 120/277 VAC, 60 Hz CONNECT TO NEAREST LIGHTING CIRCUIT AHEAD OF SWITCHING/OCCUPANCY SENSOR CONTROL

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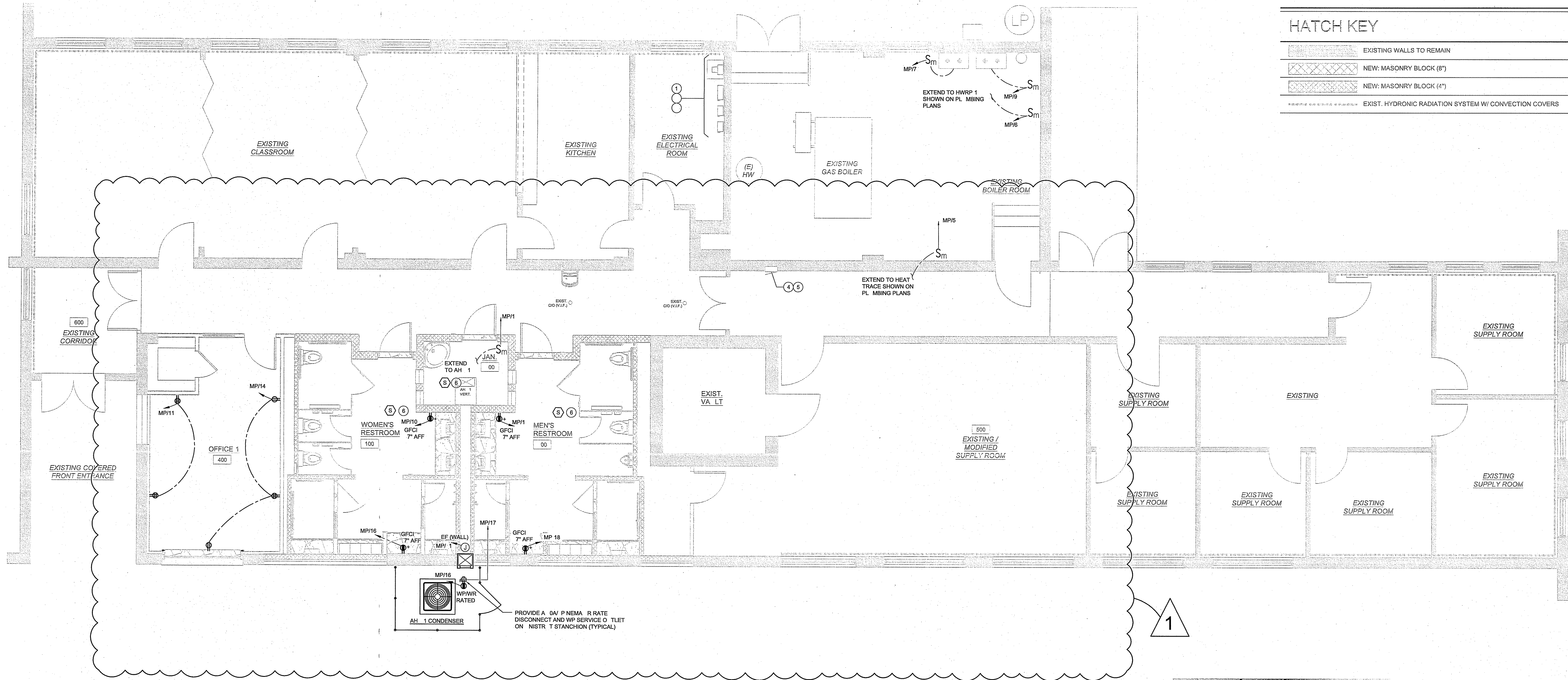
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1 7/28/24 AMENDED SCOPE

DRAWING TITLE:  
ELECTRICAL  
LIGHTING PLANS &  
SCHEDULES

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SCALE AS NOTED  
DATE 12-06-21

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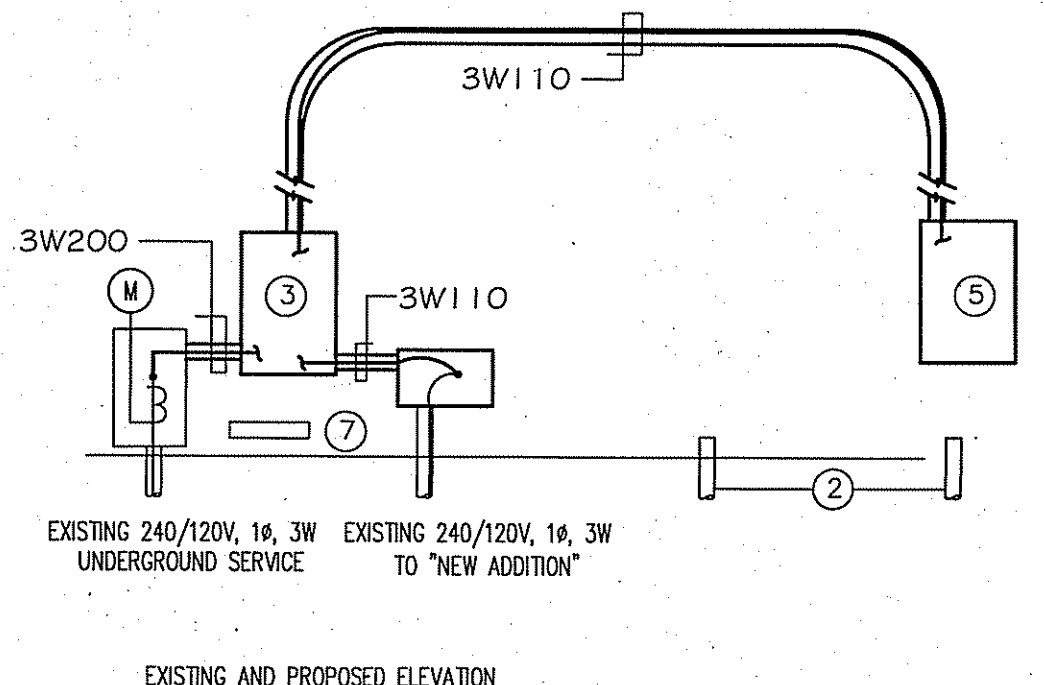
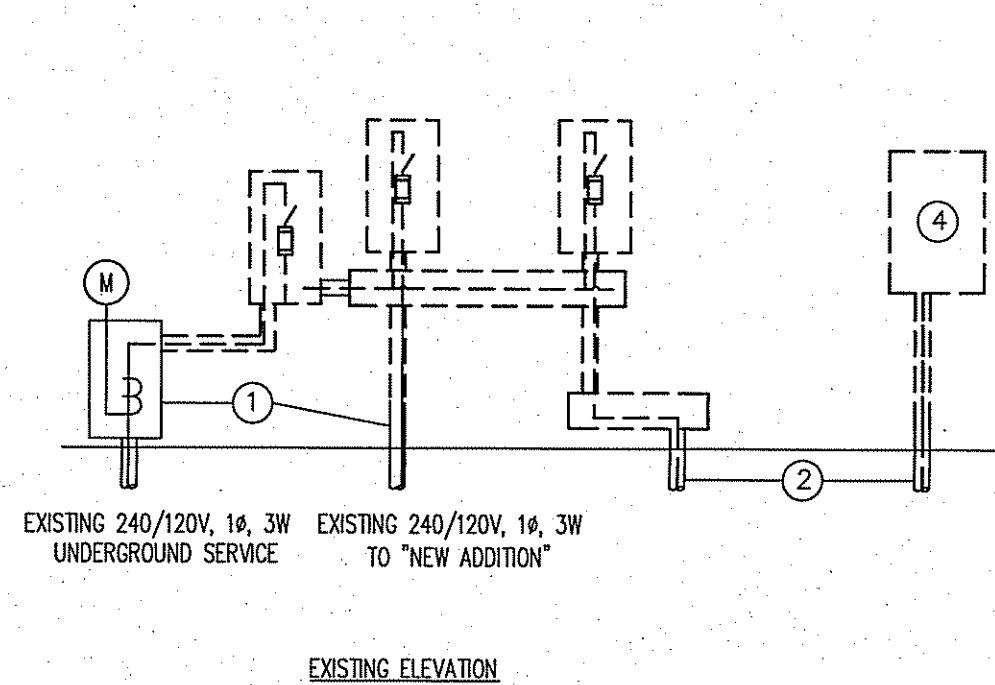




### HATCH KEY

[Pattern]	EXISTING WALLS TO REMAIN
[Pattern]	NEW: MASONRY BLOCK (8")
[Pattern]	NEW: MASONRY BLOCK (4")
[Pattern]	EXIST. HYDRONIC RADIATION SYSTEM W/ CONVECTION COVERS

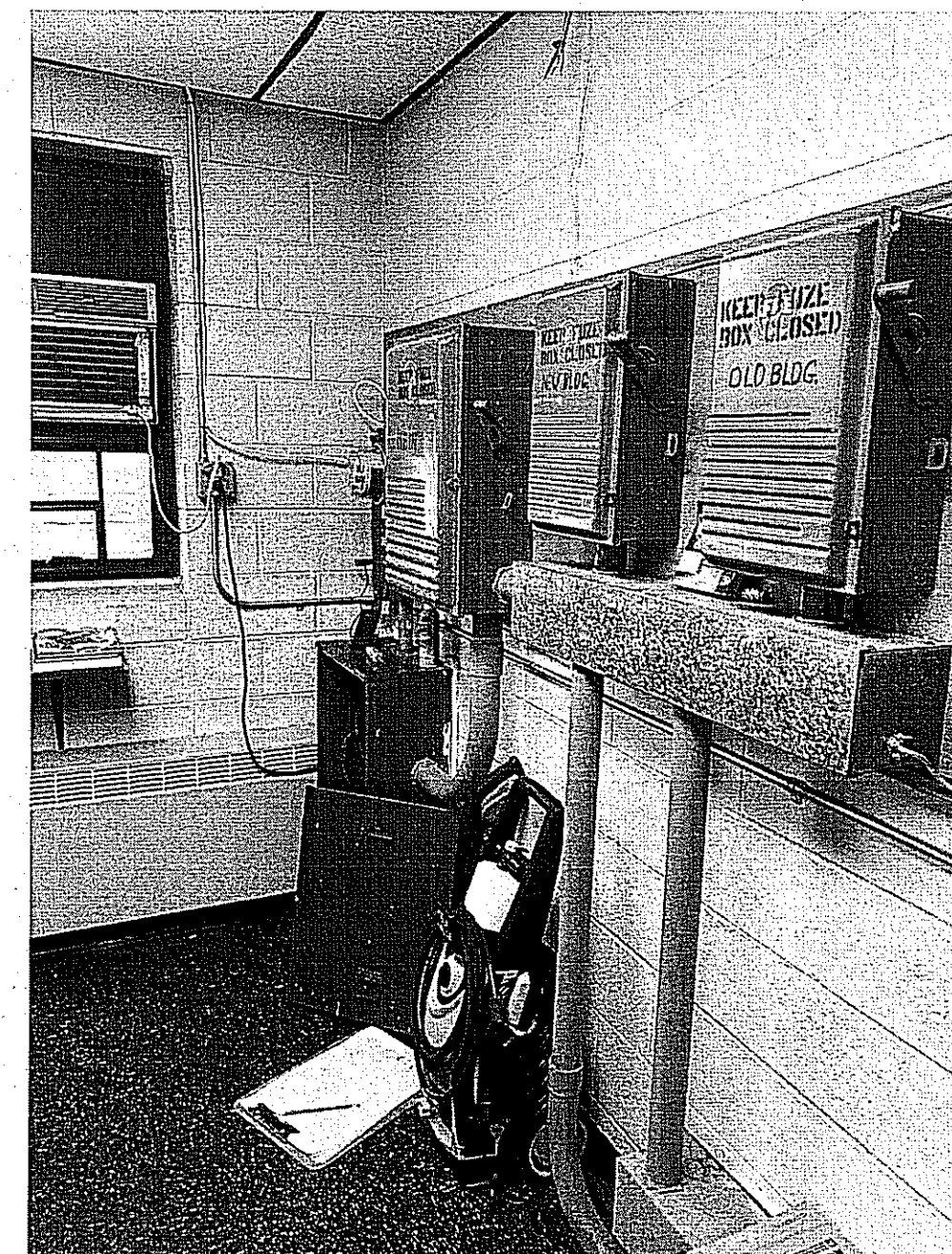
**1 ELECTRICAL: POWER PLAN**  
SCALE: 1/4" = 1'-0"



#### SINGLE LINE TYPE LEGEND

- EXISTING ELECTRICAL CONDUIT, WIRE AND EQUIPMENT TO REMAIN
- NEW ELECTRICAL CONDUIT, WIRE AND EQUIPMENT TO BE PROVIDED
- EXISTING ELECTRICAL CONDUIT, WIRE AND EQUIPMENT TO BE REMOVED IN ITS ENTIRETY

FEEDER SCHEDULE			
ALL FEEDER SIZES MAY NOT APPEAR ON THESE DWGS.			
FEEDER NUMBER	NO. OF CONDUITS	SIZE OF CONDUITS	NO. AND SIZE OF CONDUCTORS IN EACH CONDUIT
2W20	1	3/4"	2#12 AWG & 1#12 GND
3W20	1	3/4"	3#12 AWG & 1#12 GND
4W20	1	3/4"	4#12 AWG & 1#12 GND
2W30	1	3/4"	2#10 AWG & 1#10 GND
3W30	1	3/4"	3#10 AWG & 1#10 GND
4W30	1	3/4"	4#10 AWG & 1#10 GND
2W40	1	1"	2#8 AWG & 1#10 GND
3W40	1	1"	3#8 AWG & 1#10 GND
4W40	1	1"	4#8 AWG & 1#10 GND
3W50	1	1"	3#6 AWG & 1#10 GND
4W50	1	1"	4#6 AWG & 1#10 GND
3W70	1	1 1/2"	3#4 AWG & 1#8 GND
4W70	1	1 1/2"	4#4 AWG & 1#8 GND
3W90	1	1 1/2"	3#2 AWG & 1#8 GND
4W90	1	1 1/2"	4#2 AWG & 1#8 GND
3W110	1	2"	3#1 AWG & 1#6 GND
4W110	1	2"	4#1 AWG & 1#6 GND
3W150	1	2"	3#1/0 AWG & 1#6 GND
3W175	1	2"	3#2/0 AWG & 1#6 GND
4W175	1	2"	4#2/0 AWG & 1#6 GND
3W200	1	2"	3#3/0 AWG & 1#6 GND
4W200	1	2"	4#3/0 AWG & 1#6 GND
3W225	1	2 1/2"	3#4/0 AWG & 1#4 GND
4W225	1	2 1/2"	4#4/0 AWG & 1#4 GND
3W250	1	3"	3#250 KCMIL & 1#4 GND
4W250	1	3"	4#250 KCMIL & 1#4 GND



**3 EXISTING SURVEY PICTURE OF ELEC SERVICE FOR REFERENCE**  
SCALE: NTS

#### SHEET NOTES:

- EXISTING INCOMING SERVICE TO REMAIN AND FEEDER TO 'NEW ADDITION' TO BE REWORKED AS SHOWN.
- EXISTING CONDUIT RUN UNDER SLAB TO CORRIDOR PANEL TO BE CUT, FILLED WITH CONCRETE AND CAPPED.
- NEW 200A PANEL MP. REFER TO PANEL SCHEDULE FOR MORE INFORMATION AND BRANCH CIRCUITING.
- EXISTING CORRIDOR PANEL TO BE REPLACED IN KIND AND EXISTING BRANCH CIRCUITS ARE TO BE RECONNECTED TO NEW PANEL.
- NEW CORRIDOR PANEL CP. REFER TO PANEL SCHEDULE FOR BRANCH CIRCUITS.
- PROVIDE SMOKE DETECTORS WITH BATTERY AND ESCAPE LIGHT FIRST ALERT MODEL: SA3040NS.
- PROVIDE NEW GROUND BUS. REFER TO DETAIL ON E-300 FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR TO RECONFIGURE SAFE/Vault ALARM SYSTEM AS NEEDED FOR NEW SAFE/Vault LAYOUT.

**2 EXISTING AND PROPOSED CHANGES TO BLDG ELEC SERVICE**  
SCALE: NTS

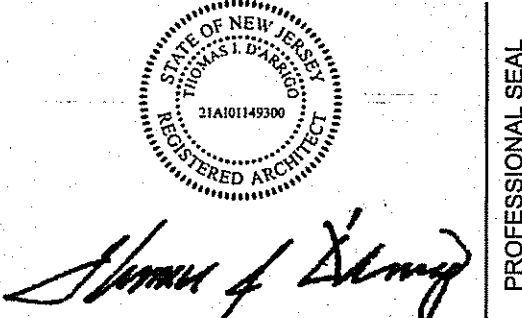
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DO NOT SCALE DRAWING. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL MAKE NO STRUCTURAL CHANGES OR SUBSTITUTIONS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

PROJECT NORTH

**LATRINE & SHOWER ROOM RENOVATION PROJECT:**  
HAMMONTON NATIONAL G ARD ARMOY  
550 SO TH EGG HARBOR ROAD  
HAMMONTON, NEW JERSEY 080 7  
STATE OF NEW JERSEY  
DEPARTMENT OF MILITARY & VETERAN AFFAIRS (DMAVA)

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REVISIONS:			
ISS	E	DATE	DESCRIPTION
1	7/1/4		AMENDED SCOPE

DRAWING TITLE:

ELECTRICAL  
POWER PLAN &  
SCHEDULES

JOB NO.	HA007
DRN. BY	CD
CHK'D	TJD
SCALE	AS NOTED
DATE	1 06 1

**E2.01**



1	16	INST WATER HEATER DWN 48	2W20	1.5	201	A	201	1.0	2W20	DEDO RECEPT BR	10
	11	OFFICE 400 RECEPT	2W20	0.7	201	B	201	1.0	2W20	DEDO RECEPT BR	12
	13	AHJ-1	2W20	1.2	201	A	201	0.7	2W20	OFFICE 400 RECEPT	14
				1.2	B	201	1.0	2W20	RECEPT BR AND OUTDOOR REC	16	
	17	CU-1	2W20	1.2	202	A	201	1.0	2W20	DEDO RECEPT BR	18
	-			1.2	B	201	0.0		SPARE	20	

[illegible]

Notes:		1.00		1.00		Accessories:	
*1	Provide AFCI Type	Connected				Recessed	X
*2	Provide GFCI Type	Lighting	0.0			Infrared Surge Protection	
*3	Provide locking provision on Circuit Breaker(s)	Appliance	0.0	0.0	Phase A	14.0	Door-In-Door
		A/C	0.0	0.0	Phase B	12.5	Service Entrance Razed
*4	Intercept and re-feed existing loads	Heating	0.0	0.0			Provide locking provision on Branch Circuit Breakers
		Misc.	0.0	0.0			
		Exergy Load	29.9	13.3			Feed Three Lugs
		Total(wal)	26.5	13.3			

PROJECT NORTH

CONTINUITY OF ALL SERVICES SHALL BE MAINTAINED IN ALL AREAS, WHICH WILL BE OCCUPIED DURING THE CONSTRUCTION PERIOD. WHEN THE INTERRUPTION OF SERVICE IS NECESSARY, SUCH SHALL BE MADE ONLY UPON CONSENT OF THE OWNER AND AT A TIME OUTSIDE NORMAL WORKING HOURS AS HE SHALL DESIGNATE.

PANELBOARDS SHALL BE OF THE DEAD FRONT TYPE MANUFACTURED IN ACCORDANCE WITH THE UNDERWRITERS LABORATORIES, INC. STANDARD FOR PANELBOARDS AND ENCLOSING CABINETS AND SO LABELED.

INTERIORS SHALL HAVE COPPER BUS BARS WITH MAINS ARRANGED FOR A GROUNDED SOLID NEUTRAL SYSTEM WITH LUGS ONLY IN THE MAINS OR MAIN BREAKERS AS INDICATED.


IN ADDITION TO THE NEUTRAL BUS, PANELBOARDS SHALL HAVE A SEPARATE EQUIPMENT GROUND BUS AND TERMINAL STRIP. NEUTRAL BUS SHALL BE INSULATED FROM THE PANEL ENCLOSURE.

AUTOMATIC TRIPPING SHALL BE INDICATED BY HANDLE AUTOMATICALLY ASSUMING A POSITION BETWEEN THE MANUAL "OFF" AND "ON" POSITIONS. THE INDIVIDUAL BREAKERS SHALL BE CALIBRATED AND SEALED TO ELIMINATE TAMPERING OR UNAUTHORIZED CHANGES IN CALIBRATION. BREAKERS SHALL BE INTERCHANGEABLE AND CAPABLE OF BEING OPERATED IN ANY POSITION. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP TYPE SO THAT AN OVERLOAD ON ONE POLE WILL TRIP ALL POLES SIMULTANEOUSLY. ALL CIRCUIT BREAKERS WITH TRIP SIZES LARGER THAN 100 AMPERE RATING SHALL HAVE INTERCHANGEABLE TRIPS. NO HANDLE BAR TIES WILL BE ALLOWED ON MULTI\_POLE CIRCUIT BREAKERS TO ACCOMPLISH EITHER MANUAL OR AUTOMATIC TRIPPING.

THE EXACT SIZE OF CIRCUIT BREAKER, TO INCLUDE MINIMUM FULLY RATED INTERRUPTING RATINGS, FOR EACH PANELBOARD SHALL BE DETERMINED FROM THE PANEL SCHEDULES ON THE DRAWINGS. EACH PANELBOARD, AS A COMPLETE UNIT, SHALL HAVE A SHORT CIRCUIT CURRENT RATING EQUAL TO OR GREATER THAN THE EQUIPMENT RATING SHOWN ON THE PANEL SCHEDULE OR ON THE PLANS.

PANELBOARD CABINETS SHALL BE FABRICATED FROM CODE GAUGE GALVANIZED SHEET STEEL AND FURNISHED WITH EITHER FLUSH OR SURFACE TRIM. TRIMS SHALL BE FINISHED IN GRAY ENAMEL PAINT OVER A RUST INHIBITING PRIME COAT. A TURNED EDGE SHALL BE PROVIDED AROUND THE FRONT OF THE

PANELBOARDS SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, CUTLER-HAMMER, SIEMENS, OR SQUARE D.



# TJD

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PROFESSIONAL SEAL


## ELECTRICAL PANEL SCHEDULES AND DETAILS

JOB NO.	HA007
DRN. BY	CD
CHK'D	TJD
SCALE	AS NOTED
DATE	12-06-21

# E-300