

HCSO MENTAL HEALTH POD - JIA



VICINITY MAP

24001.01

#	ISSUED FOR	DATE
	DESIGN DEVELOPMENT	06.20.24
	75% CD (OWNER APPROVAL)	07.26.24



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f 863.687.6346
lic. AR94778

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ARCHITECTURAL:
THE LUNZ GROUP
58 LAKE MORTON DRIVE
LAKELAND, FLORIDA 33801

MEPFP:
MES GROUP
550 NORTH REO
STREET SUITE 203
TAMPA, FL 33609

STRUCTURAL:
GEORGE F. YOUNG, INC.
1408 N WESTSHORE BLVD, SUITE 205
TAMPA, FLORIDA 33607

DRAWING INDEX

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PROJECT INFORMATION

PROJECT NAME: HSCO MENTAL HEALTH CLINIC - JIA
 PROJECT LOCATION: 2310 N. FALKENBURG ROAD
 TAMPA, FLORIDA 33619

PROJECT DESCRIPTION

RENOVATION OF EXISTING MEDICAL OFFICE SPACE TO BUSINESS OFFICE SPACE AND INSTITUTIONAL SPACE. INSTITUTIONAL SPACE INCLUDES ISOLATION AND HOLDING CELLS, RESTROOMS, SHOWERS, GENERAL INMATE SLEEPING AREAS. SCOPE INCLUDE THE ADDITION OF A SECURED OUTSIDE RECREATION YARD TO MATCH EXISTING JID YARD.

BUILDING DATA:

SQUARE FOOTAGES:
 OFFICE/BUSINESS: 2,535 SF
 INSTITUTIONAL GROUP I-3: 8,055 SF
 RENOVATION SQUARE FOOTAGE: 9,581 SF
 TOTAL SQUARE FOOTAGE: 23,214 SF

FLOOD DESIGN DATA:

N/A

CLADDING DESIGN DATA:

N/A

CODE REFERENCE

APPLICABLE CODES:

FLORIDA BUILDING CODE: EIGHTH EDITION 2023
 FLORIDA EXISTING BUILDING: EIGHTH EDITION 2023
 FLORIDA ACCESSIBILITY CODE: EIGHTH EDITION 2023
 FLORIDA MECHANICAL CODE: EIGHTH EDITION 2023
 FLORIDA PLUMBING CODE: EIGHTH EDITION 2023
 FLORIDA FIRE PREVENTION CODE: EIGHTH EDITION 2023
 NFPA 70: NATIONAL ELECTRICAL 2020
 (EXCEPT ARTICLE 80): 2020

OCCUPANCY (FBC CHAPTER 3):
 INSTITUTIONAL - GROUP I-3
 BUSINESS - GROUP B

CLASSIFICATION OF WORK (FBC EXISTING BLDG CHAPTER 6):
 ALTERNATION - LEVEL 2
 CHANGE OF OCCUPANCY

GENERAL BUILDING LIMITATIONS (FBC TABLE 504):

TYPE 2B (UNPROTECTED, SPRINKLERED)		
	ALLOWABLE:	PROVIDED:
MAX HEIGHT	75'-0"	EXISTING
HEIGHT INCREASE (SECTION 504.2)	N/A	N/A
MAX STORIES	2	1
STORY INCREASE (SECTION 504.2)	--	--
MAX AREA FBC TABLE 506.2	40,000 SQ. FT.	23,214 SQ. FT.
AREA INCREASE (SECTION 506.3, SPRINKLED, 200% INCREASE)	--	--

TYPE OF CONSTRUCTION (FBC CHAPTER 6): 2B

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS: (TABLE 601)

BUILDING ELEMENT	TYPE 2B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS EXTERIOR INTERIOR	0
NON-BEARING WALLS AND PARTITIONS (INTERIOR)	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

FIRE RATINGS (FBC CHAPTER 7):

TYPE 2B (UNPROTECTED, SPRINKLERED)		
DESCRIPTION	REQUIRED	PROVIDED:
SEPERATION OF OCCUPANCY (TABLE 508.4) GROUP B AND I-3	1 HR FIRE RATING	1 HR FIRE RATING
DOOR RATINGS AT 1 HR RATED FIRE PARTITION (TABLE 716.5)	3/4 HR FIRE RATING	3/4 HR FIRE RATING

INTERIOR FINISHES (TABLE 803.11):

OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
GROUP I-3	CLASS A	CLASS A	CLASS C
GROUP B	CLASS A	CLASS B	CLASS C

AUTOMATIC SPRINKLER SYSTEMS: (FBC 903.2)

GROUP I-3 : REQUIRED
 GROUP B : NOT REQUIRED

AN AUTOMATIC SPRINKLER SYSTEM IS EXISTING TO REMAIN THROUGHOUT.

FIRE ALARM: (FBC 907, NFPA 72)

GROUP I-3 : REQUIRED
 GROUP B : NOT REQUIRED

A MANUAL FIRE ALARM SYSTEM AND AUTOMATIC SMOKE DETECTION SYSTEM FOR ALERTING STAFF IS EXISTING TO REMAIN THROUGHOUT.

MEANS OF EGRESS (FBC CHAPTER 10)

POPULATION/OCCUPANCY LOAD (FROM TABLE 1004.1.2)

FUNCTION OF SPACE	AREA	AREA /PERSON	OCCUPANTS
INSTITUTIONAL (I-3) - SLEEPING AREAS	8,055 SF	120 GROSS	32*
BUSINESS (B)	2,529 SF	150 GROSS	17
TOTAL OCCUPANT LOAD			49 PERSONS

*OCCUPANT LOAD IS DETERMINED BY ACTUAL COUNT OF INMATES

MEANS OF EGRESS

(FBC CHAPTER 10)	SPRINKLERED, I-3 AND B-OCCUPANCY	
OCCUPANCY:	REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE (TABLE 1017.2.2)	I-3: 200'- 0" B: 300'- 0"	189' - 9"
MAXIMUM DEAD-END CORRIDOR (FBC 1020.4)	50'- 0"	49'- 0"
TOTAL # OF BLDG EXITS (SECTION 1006.3.1)	2 PER STORY	3 PER STORY
TOTAL # OF SPACE EXITS (SECTION 1006.2.1)	2 IF GREATER THAN 49 OCCUPANTS	1
COMMON PATH OF EGRESS TRAVEL (SECTION 1006.3.2 (2))	100' - 0"	INMATES: 189' - 9" OFFICE: 99' - 6"
EGRESS STAIR WIDTH PER LEVEL (SECTION 1005.3.1)	0.3 x (0.4)=	N/A
OTHER EGRESS WIDTH PER LEVEL (SECTION 1005.3.2)	0.2 49 x (0.2)= 9.8	AT LEAST 36"
MINIMUM CORRIDOR AISLE WIDTH (TABLE 1020.2)	44"	104"
EXIT PASSAGE WAY FIRE RATING (SECTION 1023.3)	N/A	N/A
MINIMUM CLEAR OPENING OF EXIT DOORS (SECTION 1010.1.1)	32"	AT LEAST 36"

CORRIDOR FIRE RESISTANCE RATING: (FROM TABLE 1020.1)

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	FIRE RESISTANCE RATING (SPRINKLED)
GROUP I-3	49 PERSONS	1 HR
GROUP B	>30	NA

MINIMUM PLUMBING FACILITIES (FPC CHAPTER 403.1)

INSTITUTIONAL - 32 PERSONS
 BUSINESS - 17 PERSONS / 9 EACH SEX

CATEGORY	WATER CLOSETS		LAVATORIES		BATH/SHOWERS		DRINKING FOUNTAINS		OTHER - SERVICE SINK
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
INSTITUTIONAL (14 CELLS / 18 GENERAL)									
CELLS	14	18	14	18	0.93	4	0.32	--	1
GENERAL	1.2	4	1.2	4	1.2	4			--
BUSINESS (9 PERSONS EACH SEX)									
MALE	0.36	2*	0.23	2*	--	--	0.17	--	1
FEMALE	0.36	2*	0.23	2*	--	--			--



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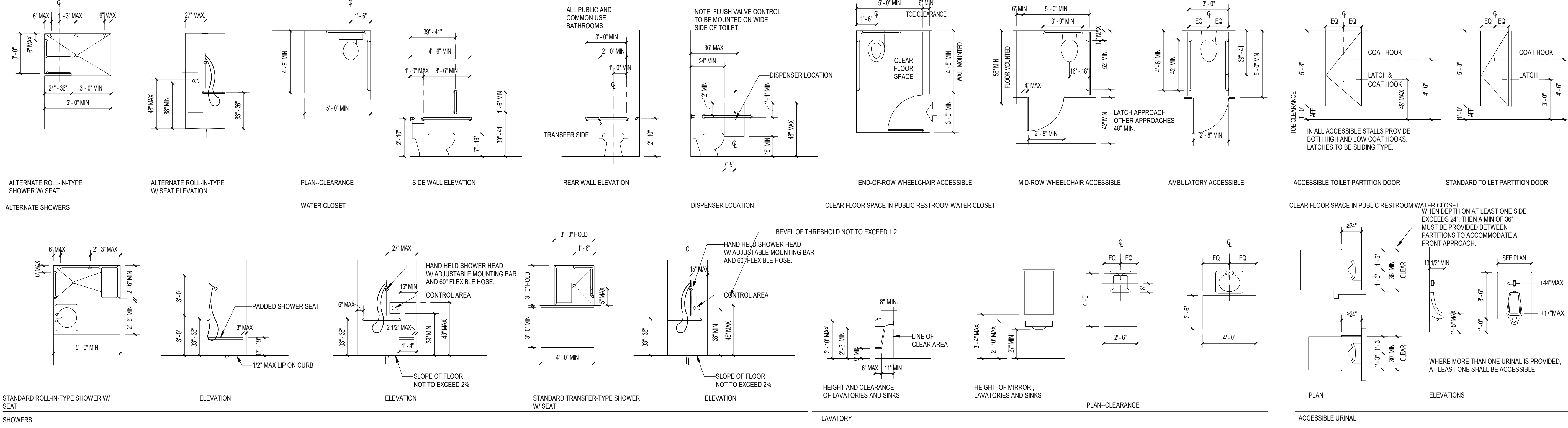
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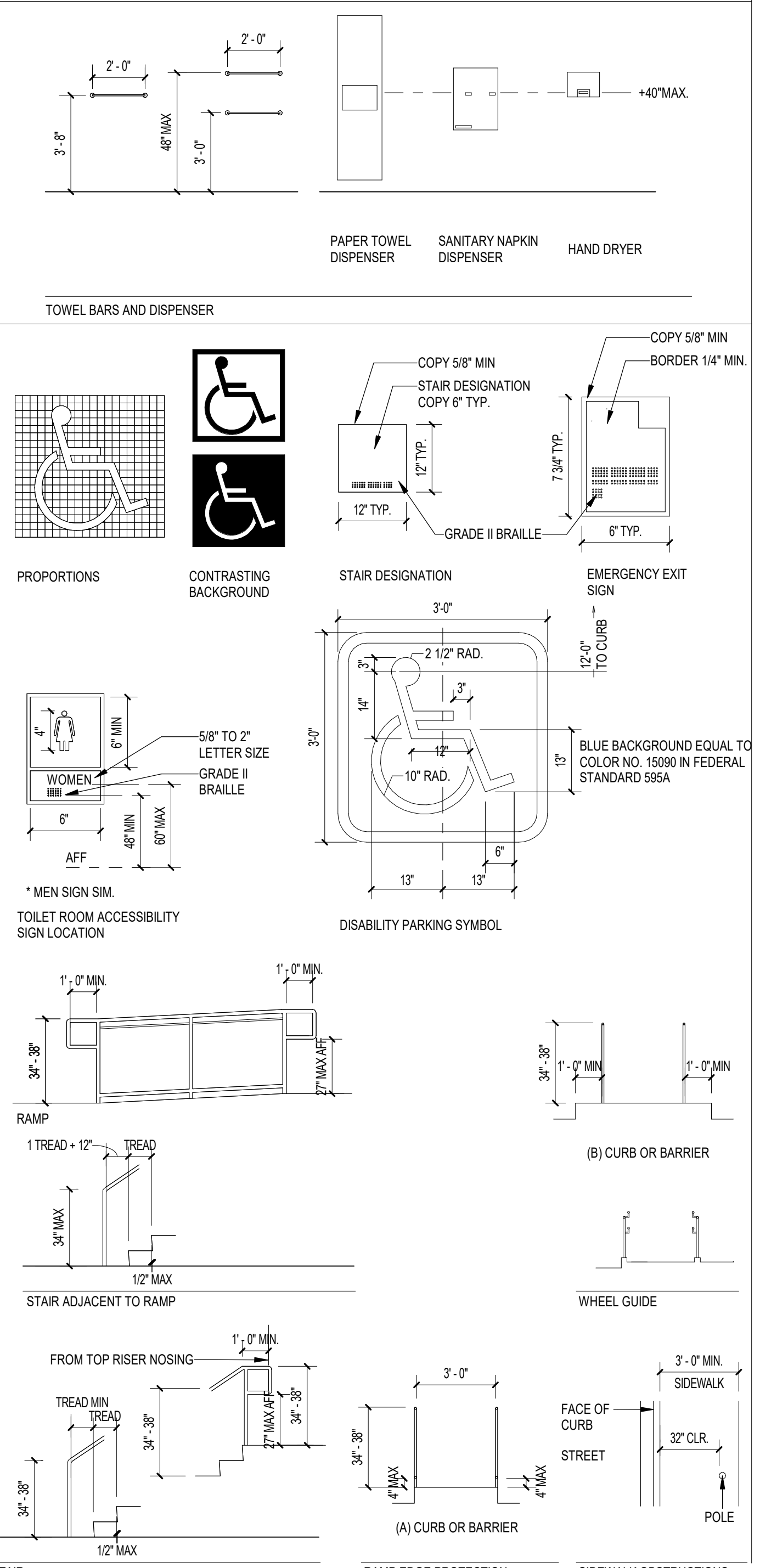
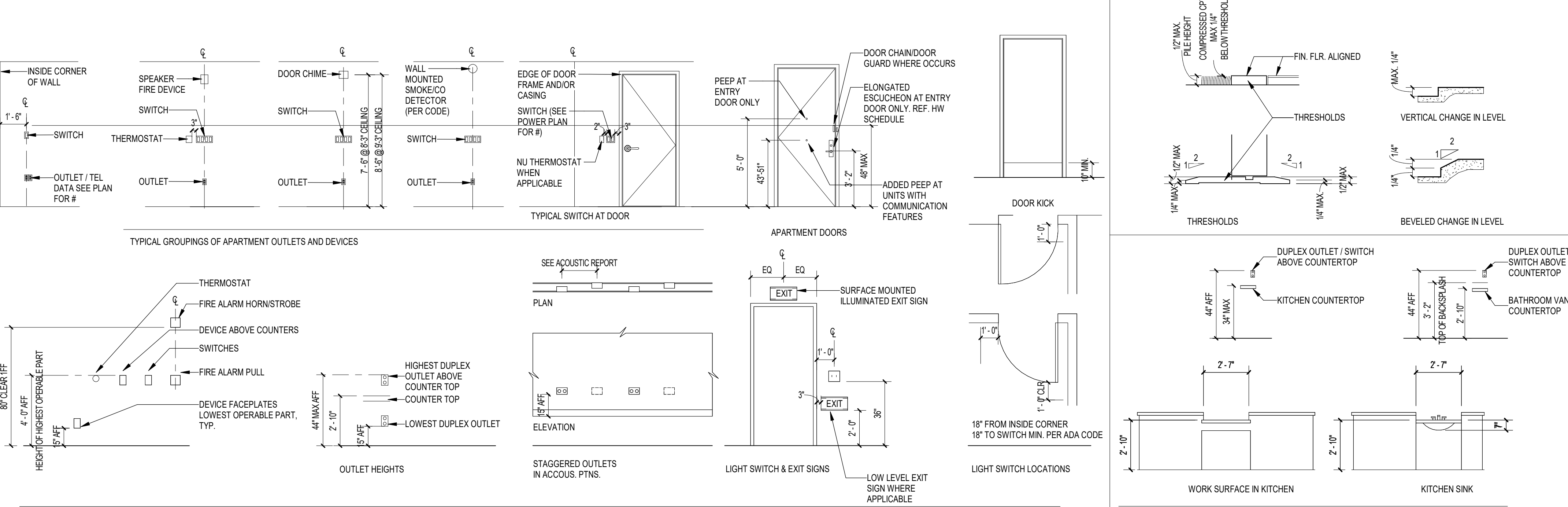
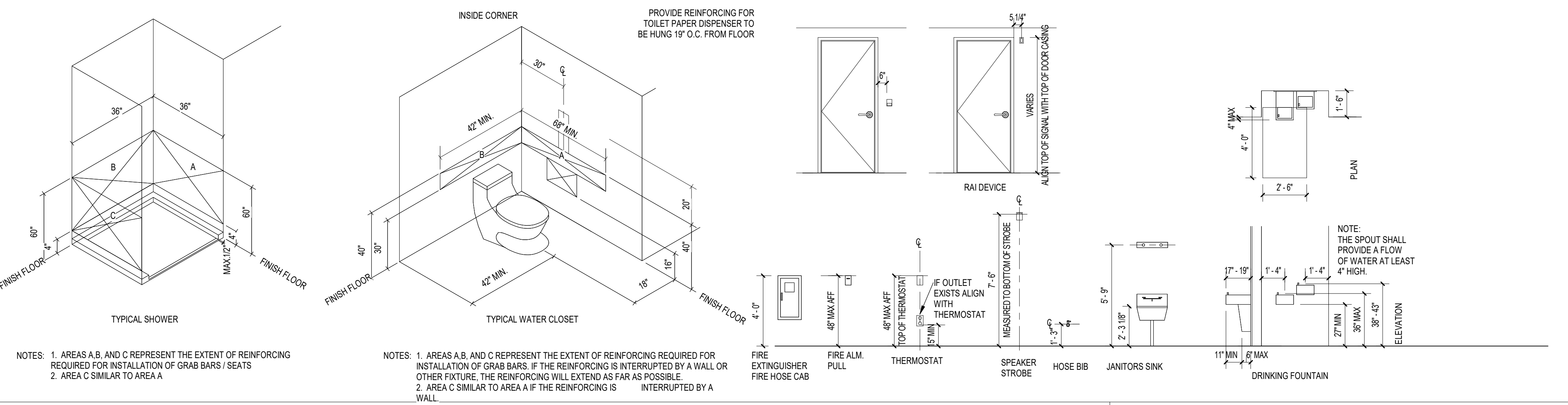
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G-001



6 ACCESSIBILITY STANDARDS MOUNTING HEIGHTS AND CLEARANCES FOR BATHROOMS
1/4" = 1'-0"



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ACCESSIBILITY & MOUNTING HEIGHTS

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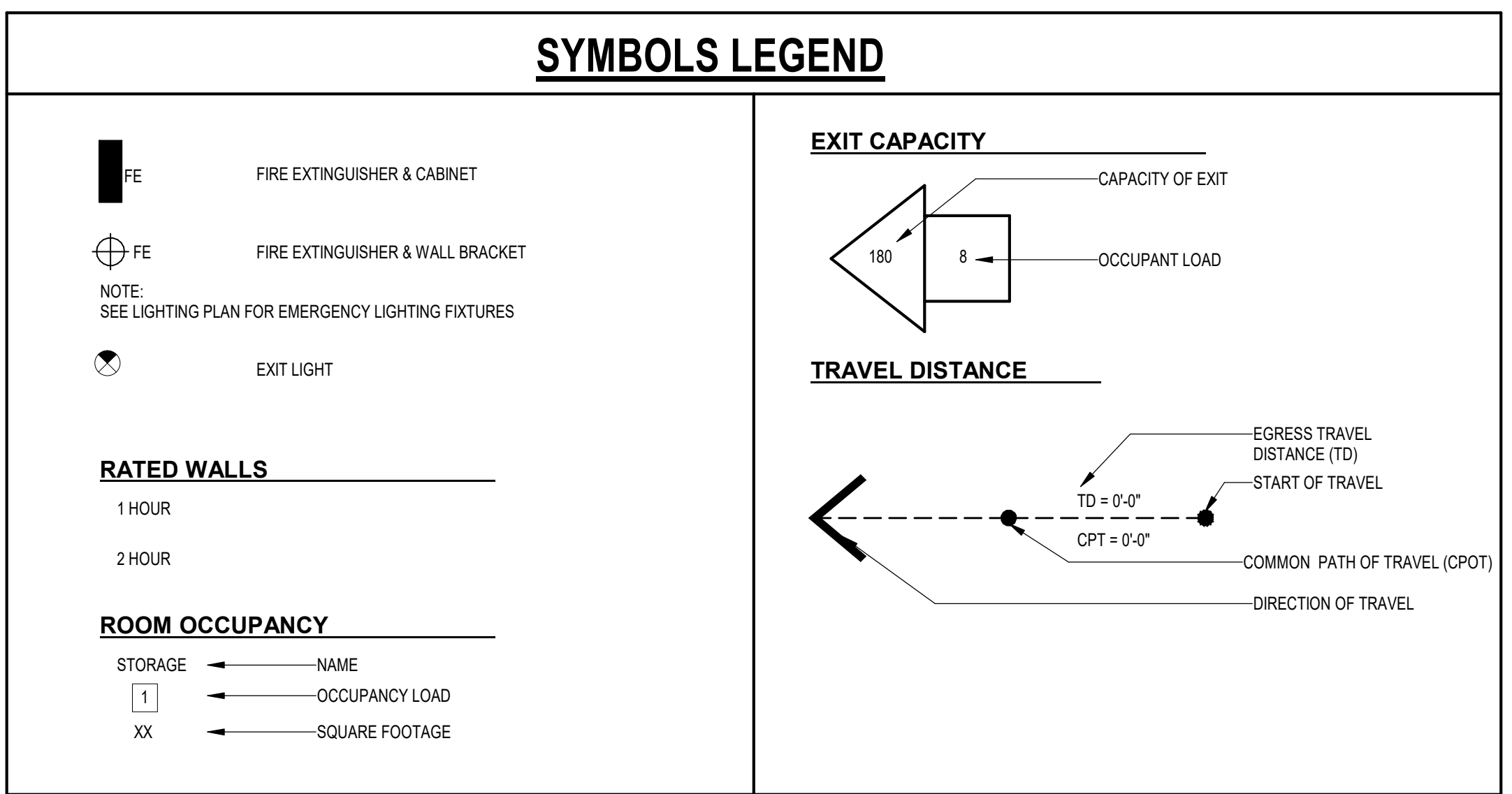
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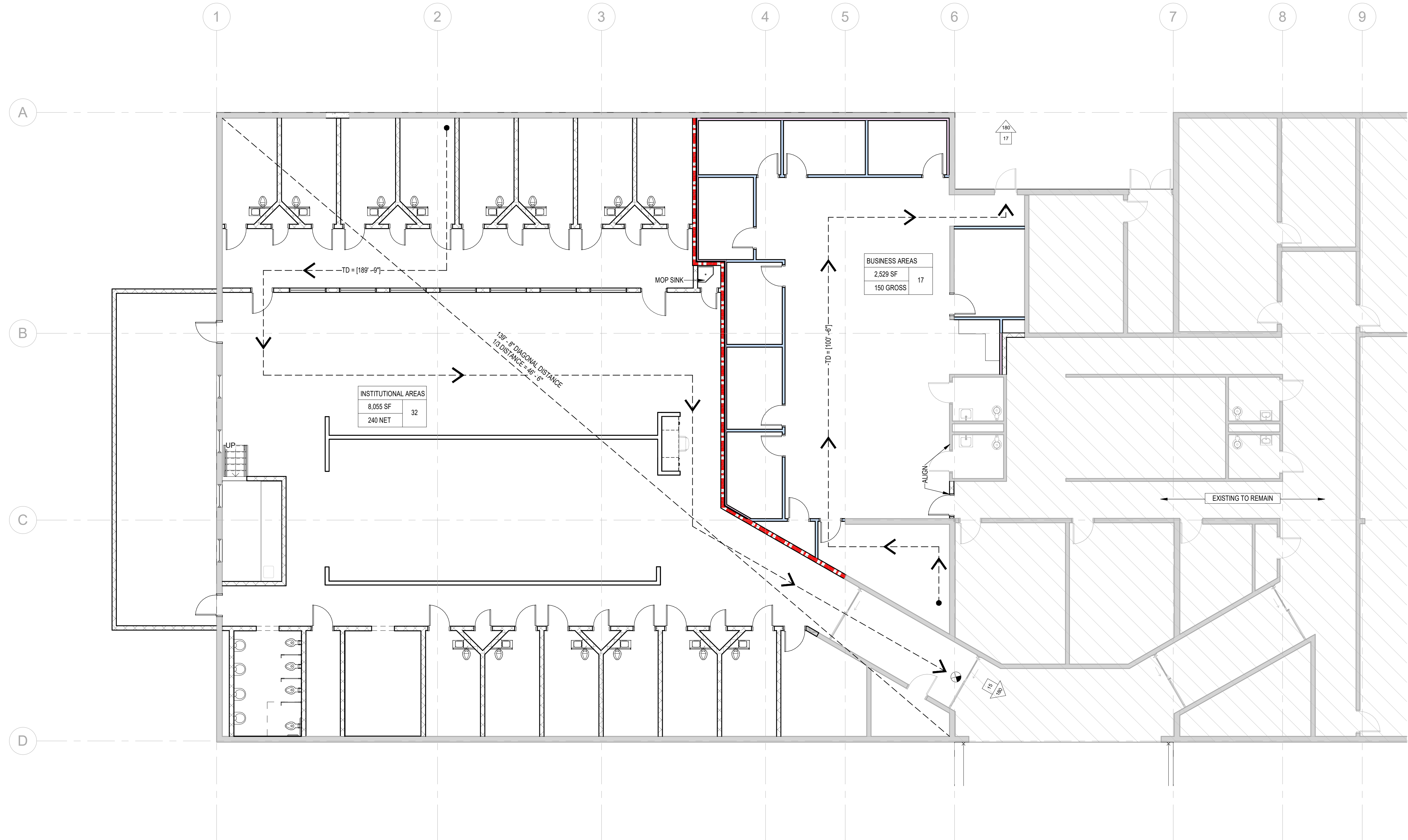
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G-300



GENERAL SHEET NOTES:

1. FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 10 REQUIREMENTS AND AS DIRECTED BY LOCAL BUILDING OFFICIAL.
2. SEE FLOOR PLAN FOR FIRE-RATED WALL LOCATIONS.
3. REFER TO DOOR, WINDOW, AND HARDWARE SCHEDULES FOR DOOR AND WINDOW FIRE RATING REQUIREMENTS AND EGRESS HARDWARE REQUIREMENTS.
4. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION ON EXIT SIGNS, EMERGENCY LIGHTS, FIRE ALARM AND SMOKE DETECTORS
5. ALL FURNITURE AND EQUIPMENT SHOWN ARE FOR REFERENCE ONLY.
6. STANDARD EGRESS CAPACITY OF EXIT THROUGH 36" WIDE SINGLE DOOR IS 180 OCCUPANTS PER FBC, 2020
7. STANDARD EGRESS CAPACITY OF EXIT THROUGH DOUBLE DOORS (36" WIDE EACH PANEL) IS 360 OCCUPANTS PER FBC, 2020



1 LIFE SAFETY PLAN
1/8" = 1'-0"

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LIFE SAFETY PLAN

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LS-101

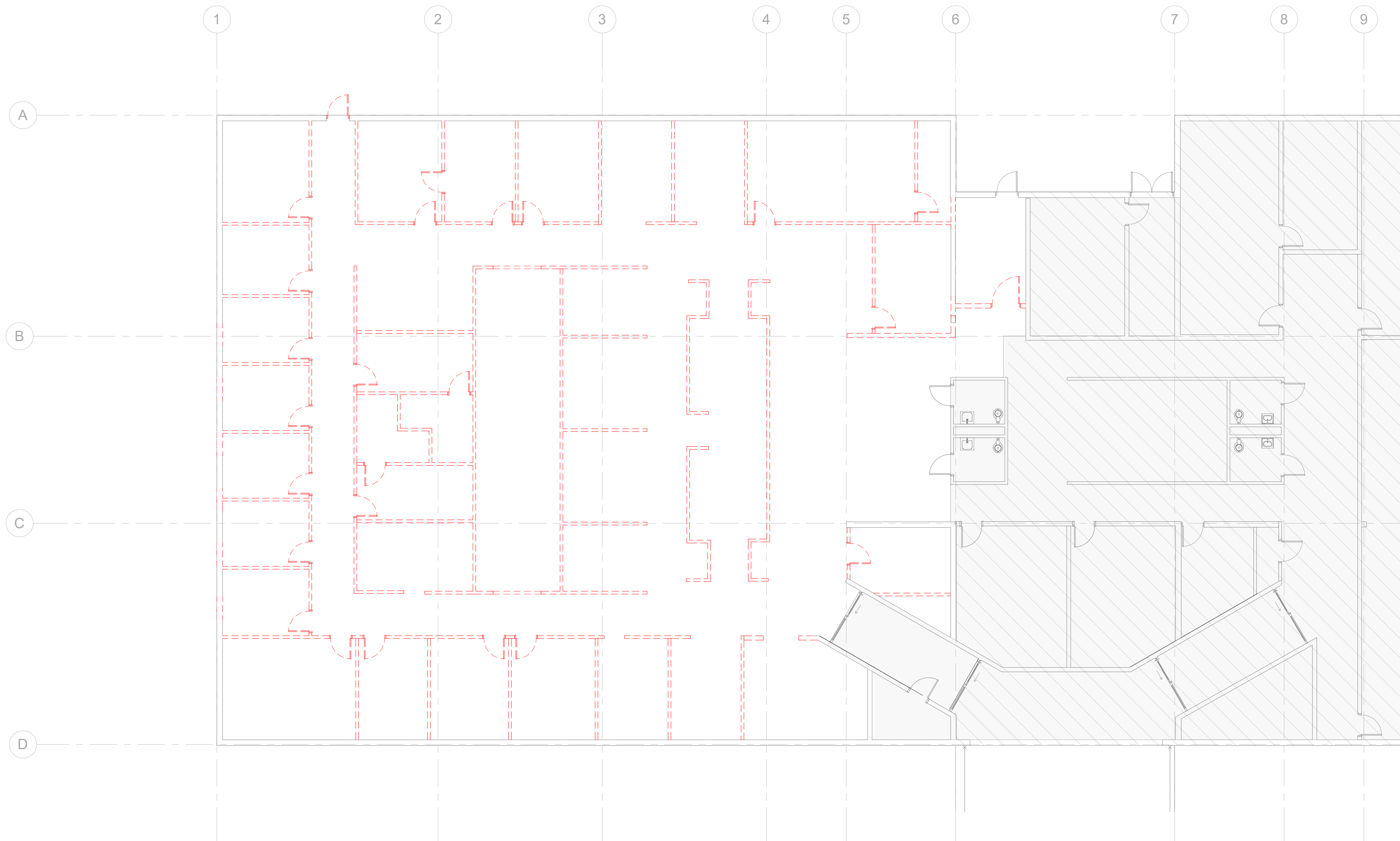
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GENERAL NOTES

- CONTRACTOR SHALL NOTIFY ARCHITECT IN THE EVENT OF ANY DISCREPANCIES WITH STRUCTURAL, ARCHITECTURAL & MEP DEMOLITION DRAWINGS.
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.

DEMOLITION FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN
- - - WALL TO BE DEMOLISHED



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1 DEMOLITION PLAN JIA
1/8" = 1'-0"

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AD-101

GENERAL SHEET NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS, NOTIFY ARCHITECT WITH ANY DIMENSIONAL CONFLICTS.
2. FURNITURE SHOWN FOR REFERENCE ONLY. NOT INCLUDED IN SCOPE OF WORK.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS, NOTIFY ARCHITECT WITH ANY DIMENSIONAL CONFLICTS.
4. SEE G-005 FOR WALL DESIGN DETAILS AND REQUIREMENTS.

FLOOR PLAN LEGEND

-  8" CMU
-  EXISTING WALL TO REMAIN
-  WALL TO BE DEMOLISHED
-  4 7/8" GYP STUD WALL
-  FIRE EXTINGUISHER



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DIMENSION FLOOR PLAN

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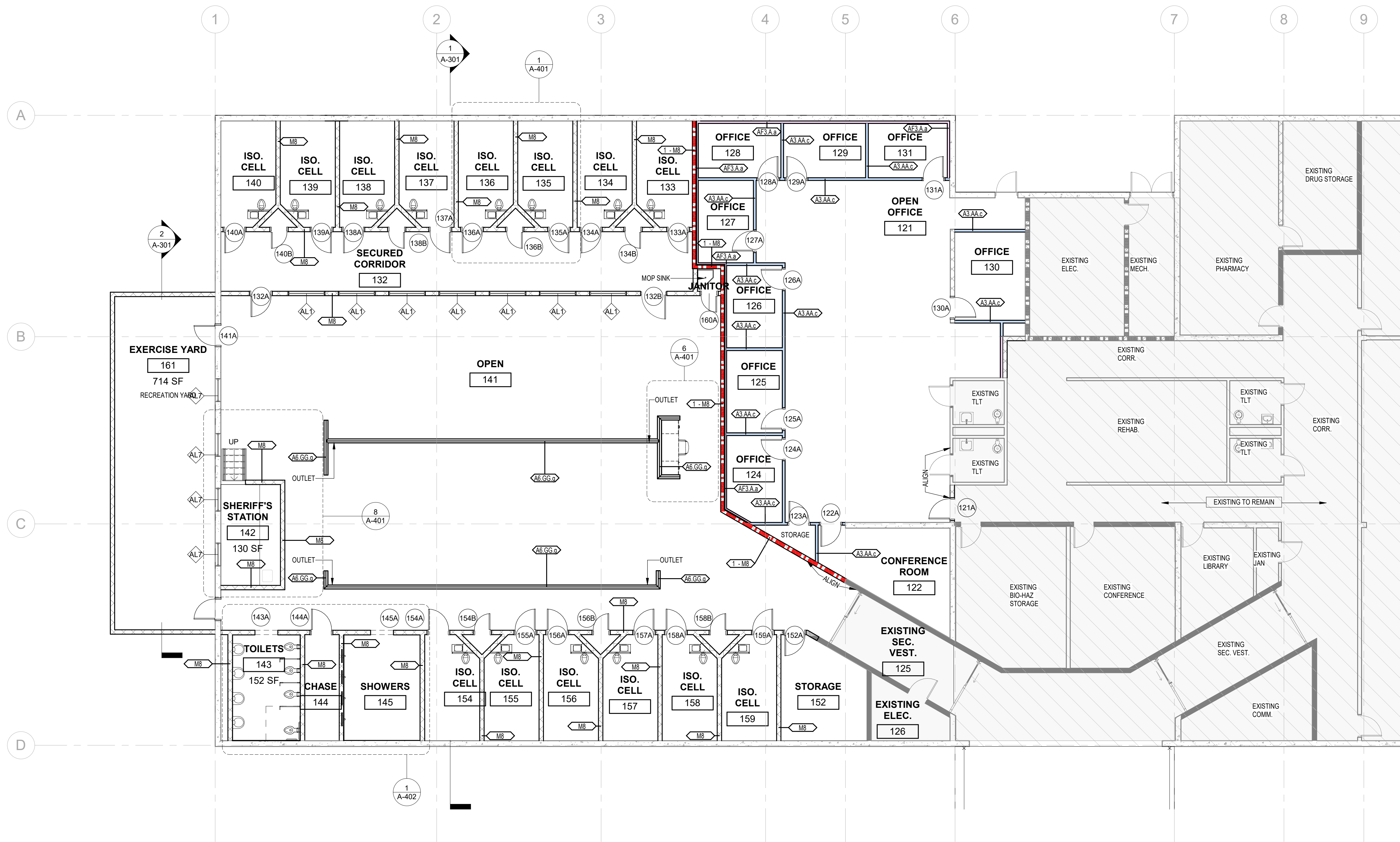
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1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

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1 ANNOTATED FLOOR PLAN
1/8" = 1'-0"

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ANNOTATED FLOOR PLAN

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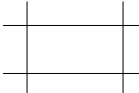













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- CEILING GENERAL NOTES:**
- SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION OF LIGHT FIXTURES
 - SEE MECHANICAL DRAWINGS FOR LOCATION OF DIFFUSERS / RETURNS
 - COORDINATE LOCATION OF FIXTURES AND MECHANICAL COMPONENTS WITH MECHANICAL / ELECTRICAL DRAWINGS IN REFERENCE TO ARCHITECTURAL LAYOUT. IN THE EVENT OF CONFLICTS CONTACT ARCHITECT.
 - CEILING GRID SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE WITH THE ALIGNMENT SO AS TO KEEP CONTINUOUS GRID LINES AS SYMMETRICAL AS POSSIBLE.
 - CONTRACTOR TO ALIGN START PATTERN OF GRID TO MINIMIZE SMALLER SIZES OF CEILING GRID.

CEILING PLAN LEGEND

-  2x4' SUSPENDED ACOUSTICAL CEILING
-  GYPSUM BOARD CEILING
-  CONCRETE CEILING
-  EXPOSED METAL DECK
-  2x2 LIGHTING FIXTURE
-  2x4 LIGHTING FIXTURE
-  WALL MOUNTED LIGHTING FIXTURE
-  DOWNLIGHT FIXTURE
-  SURFACE MOUNTED FIXTURE
-  PENDANT LIGHTING FIXTURE
-  DIRECTIONAL EXIT FIXTURE
-  CEILING RETURN
-  CEILING SUPPLY
-  CEILING EXHAUST



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REFLECTED CEILING PLAN

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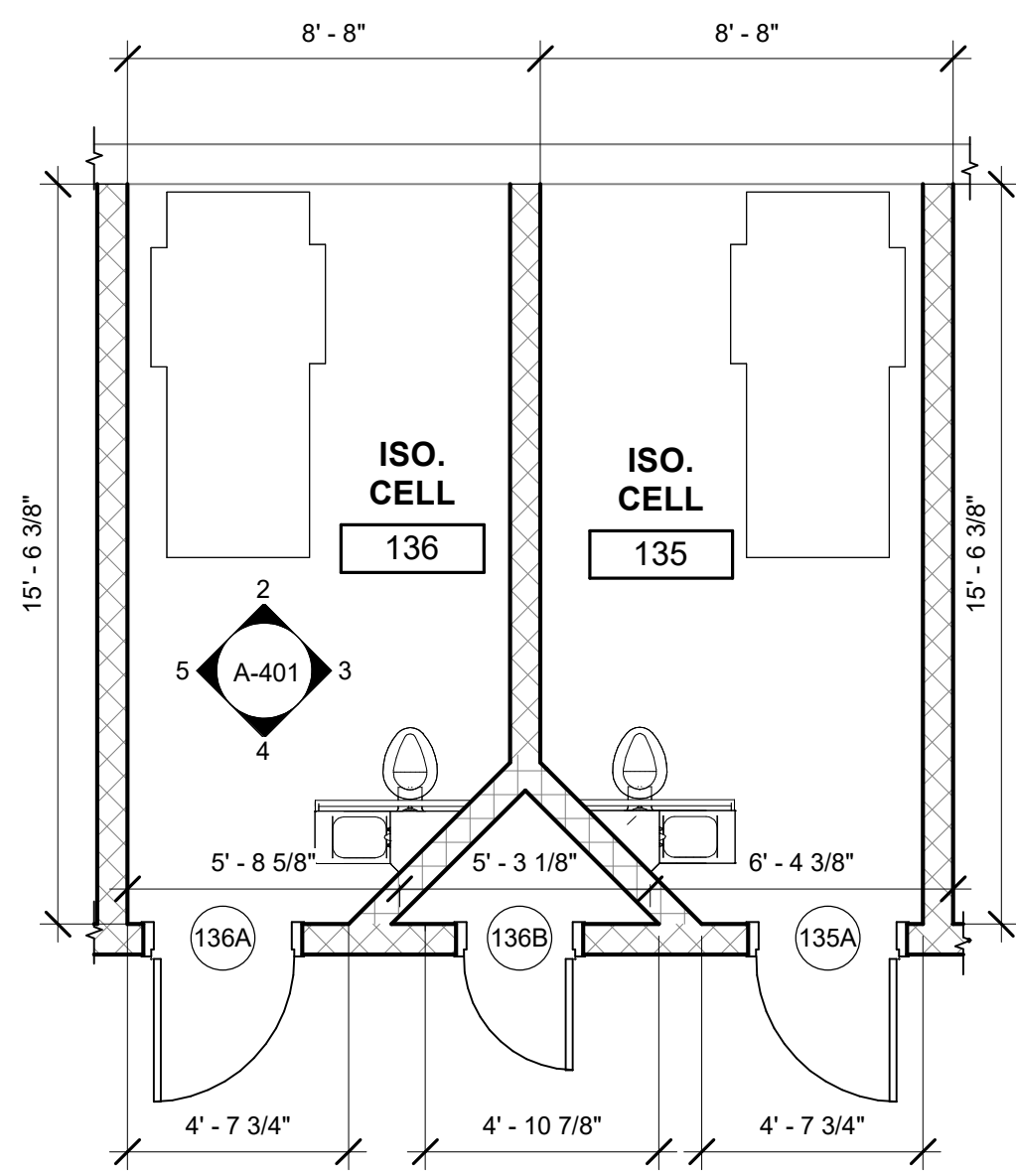
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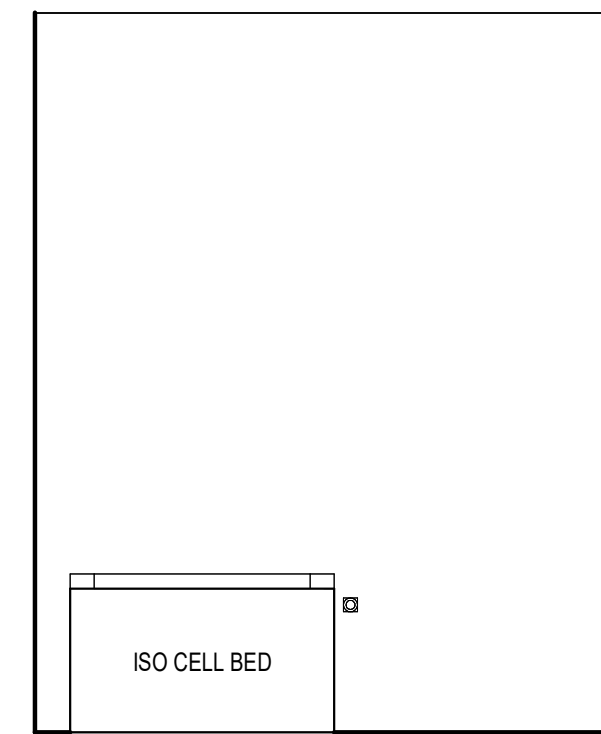
1 REFLECTED CEILING PLAN
1/8" = 1'-0"

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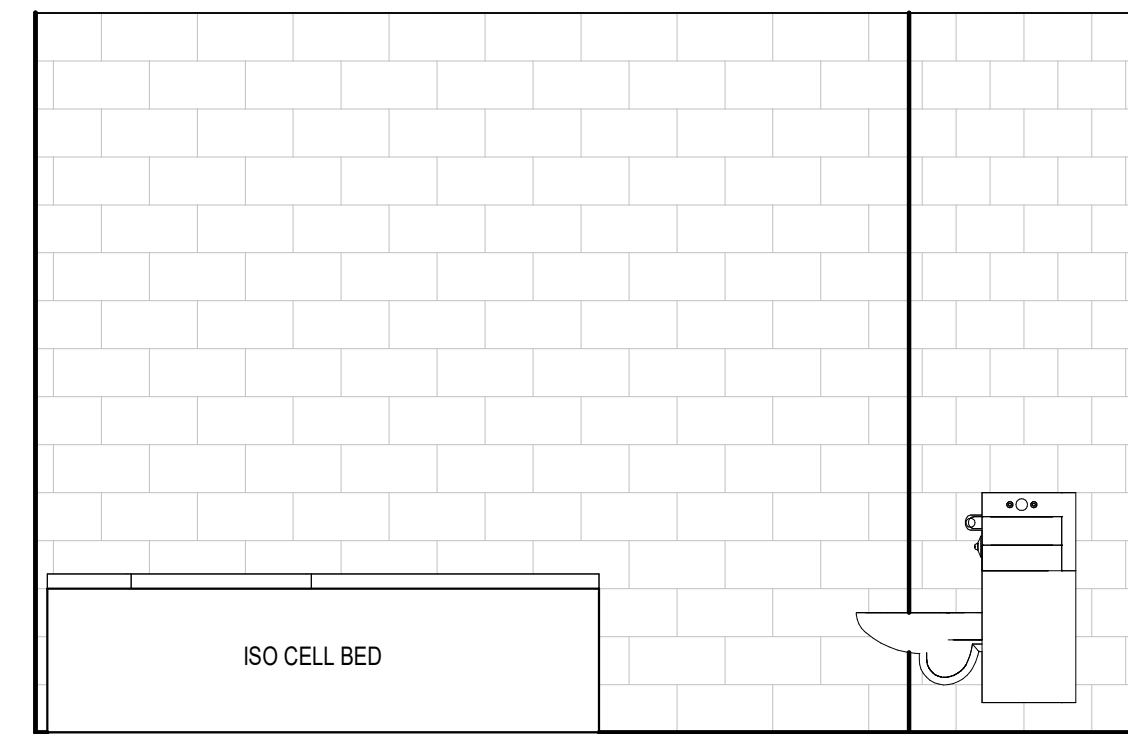
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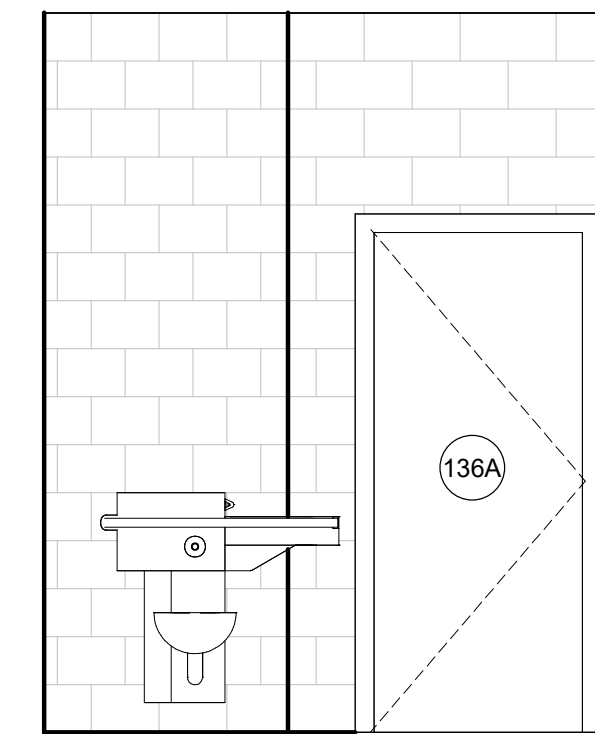
1 ENLARGED ISO CELL 136 & 135 PLAN
1/4" = 1'-0"



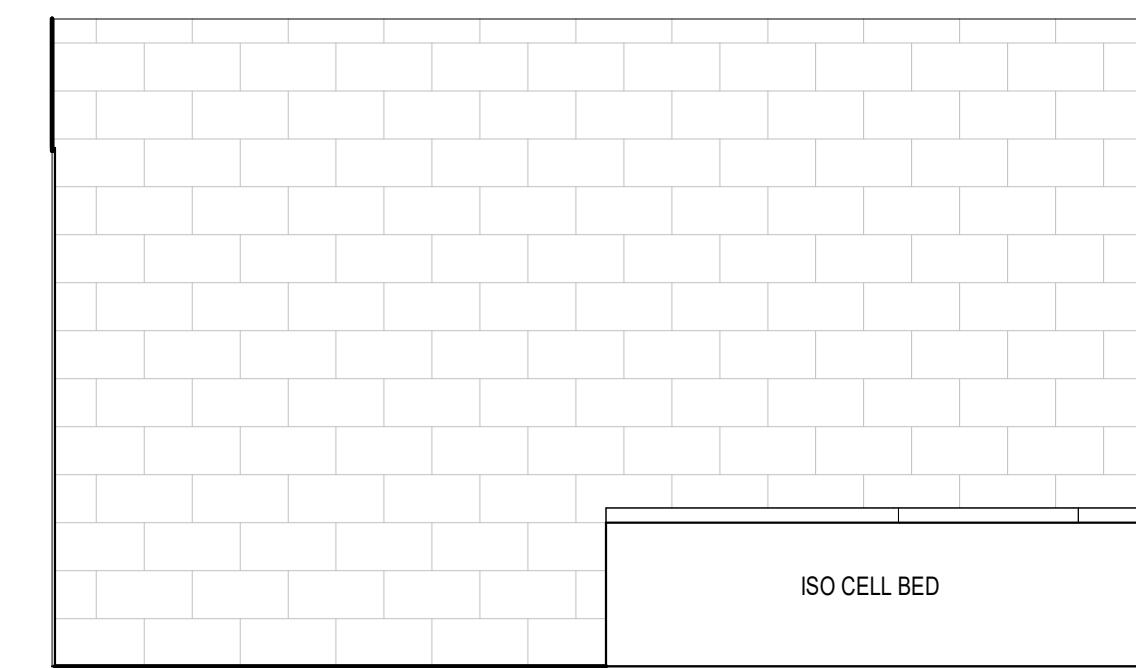
2 ISO CELL 136 ELEV 1
3/8" = 1'-0"



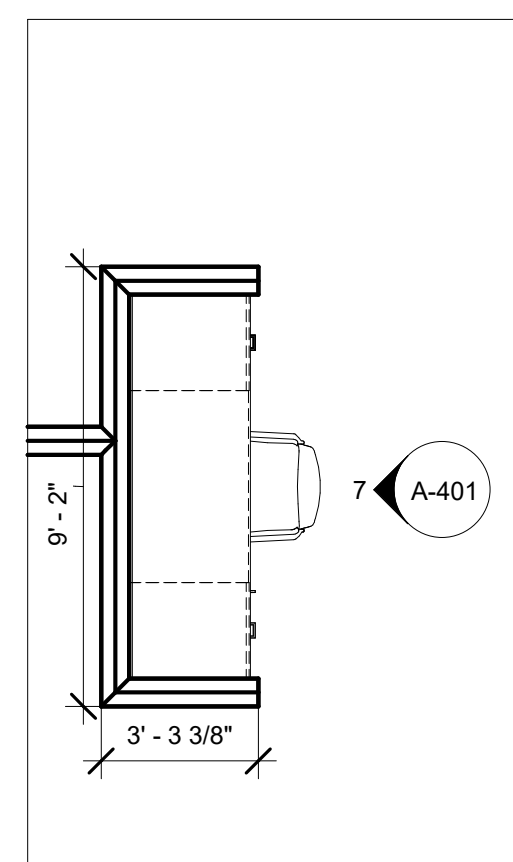
3 ISO CELL 136 ELEV 2
3/8" = 1'-0"



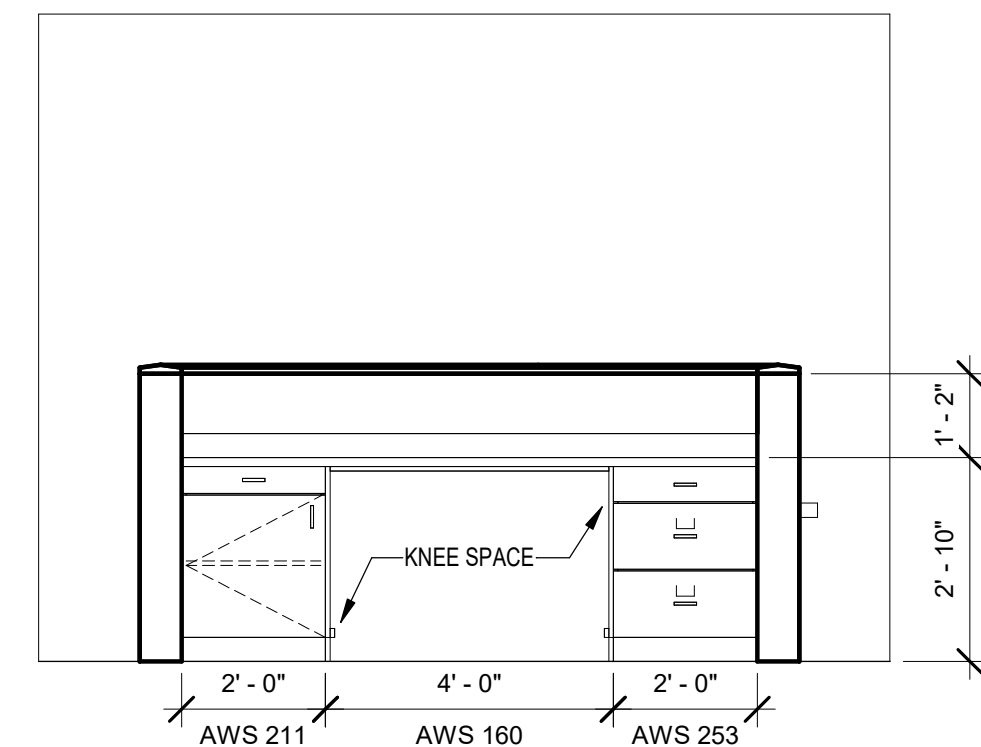
4 ISO CELL 136 ELEV 3
3/8" = 1'-0"



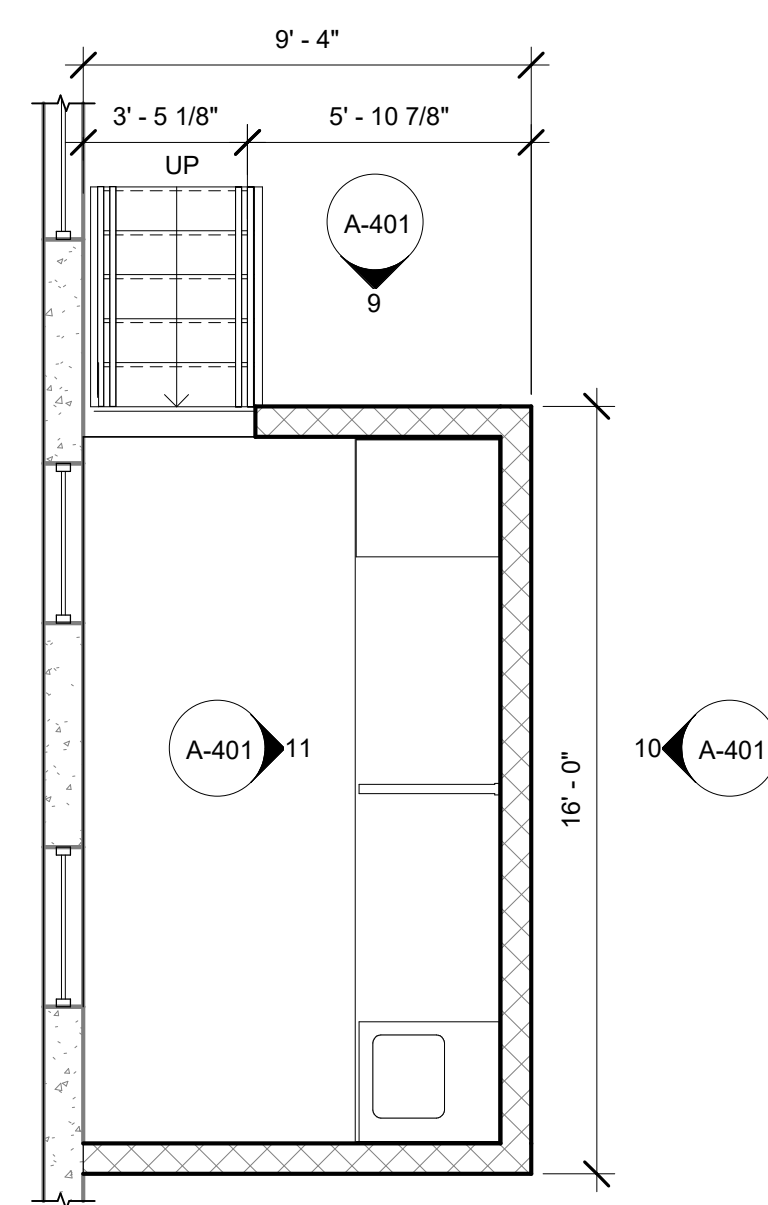
5 ISO CELL 136 ELEV 4
3/8" = 1'-0"



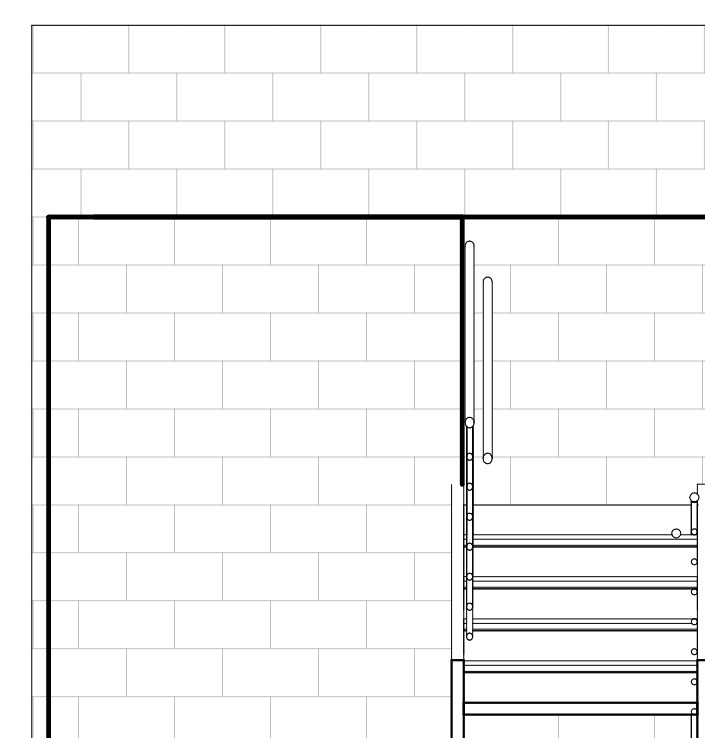
6 OPEN GUARD DESK PLAN
1/4" = 1'-0"



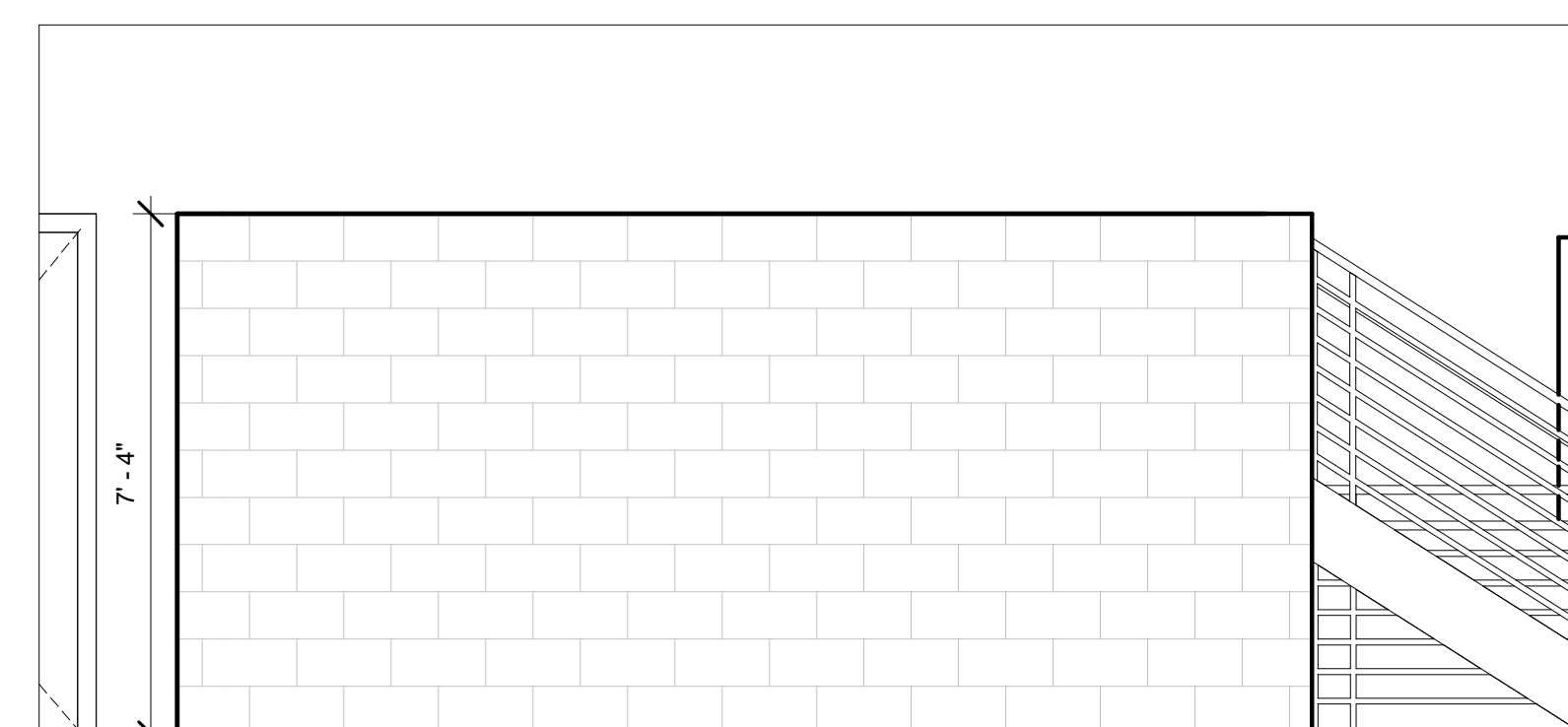
7 OPEN GUARD DESK ELEVATION
3/8" = 1'-0"



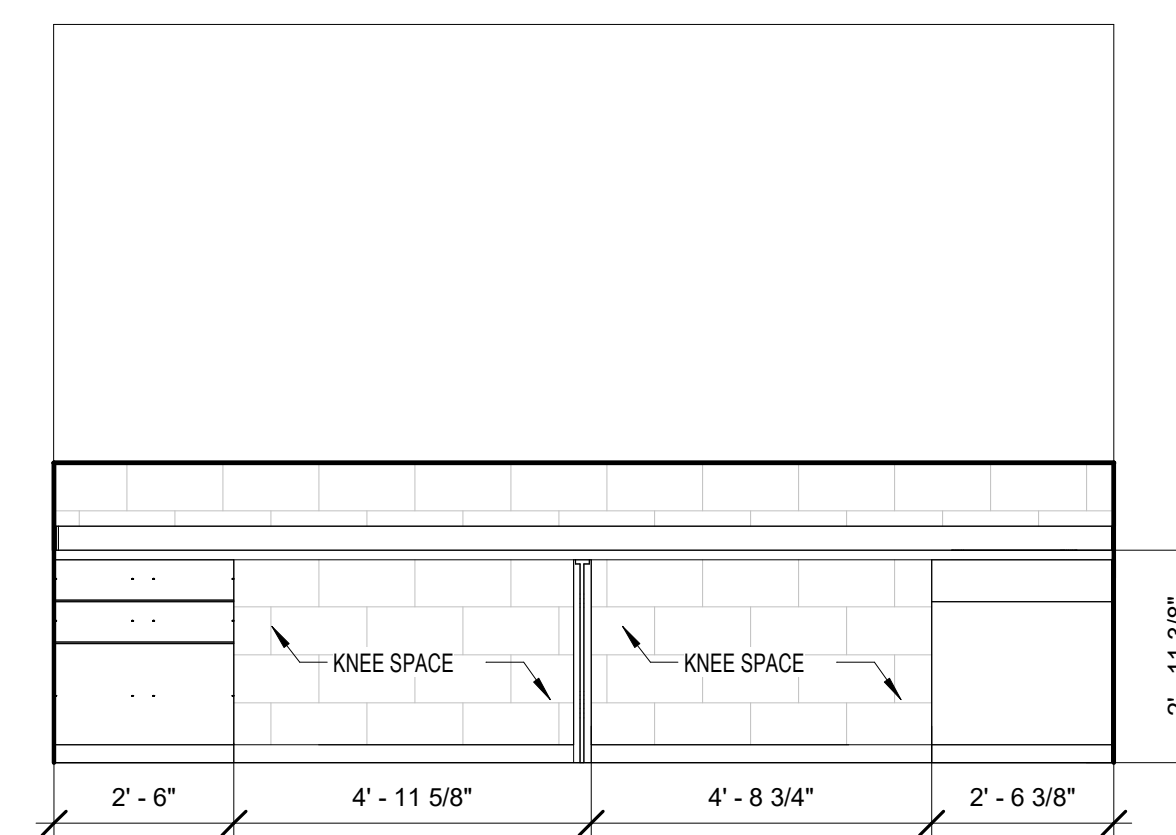
8 ENLARGED PLAN SHERIFF'S STATION
1/4" = 1'-0"



9 SHERIFF'S STATION 142 ELEV 1
3/8" = 1'-0"



10 SHERIFF'S STATION 142 ELEV 2
3/8" = 1'-0"



11 SHERIFF'S STATION 142 ELEV 3
3/8" = 1'-0"

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ENLARGED PLANS AND ELEVATIONS

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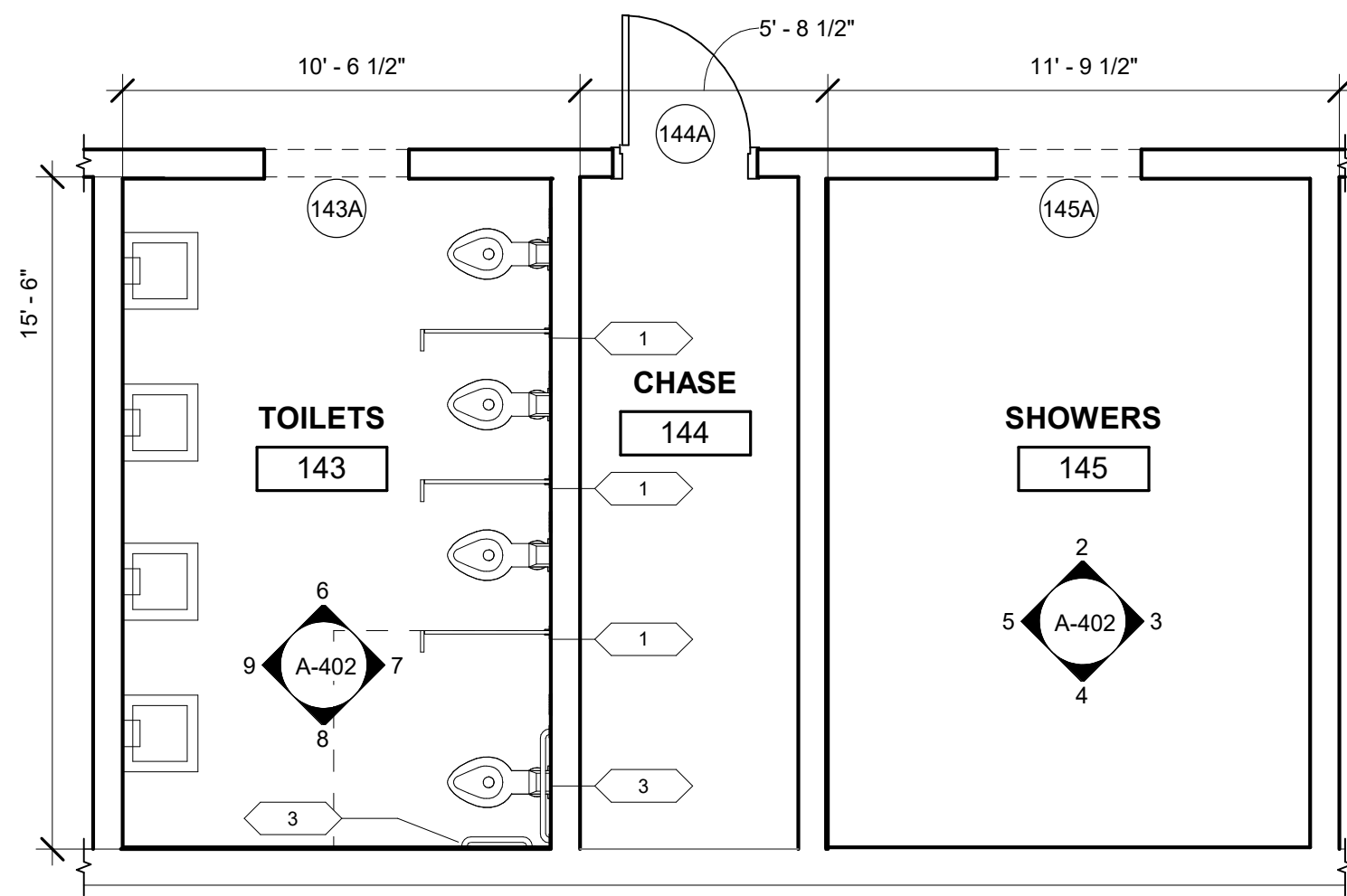
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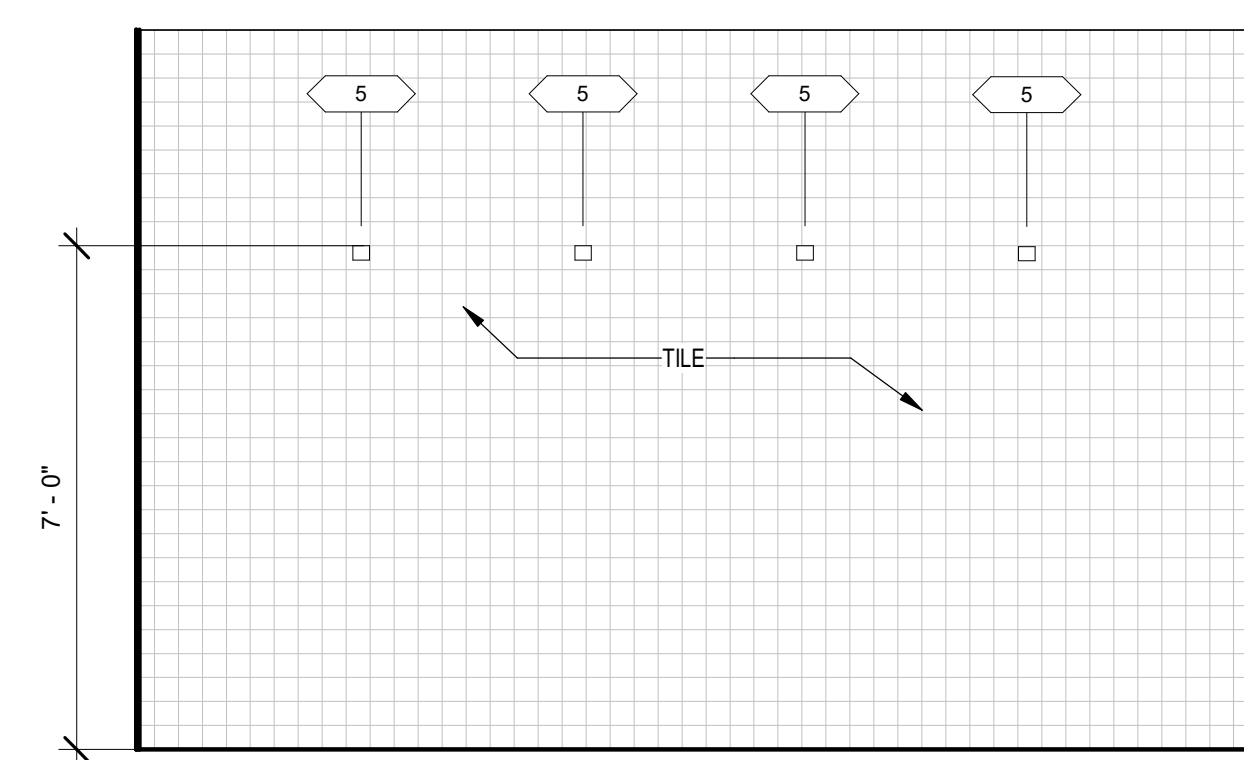
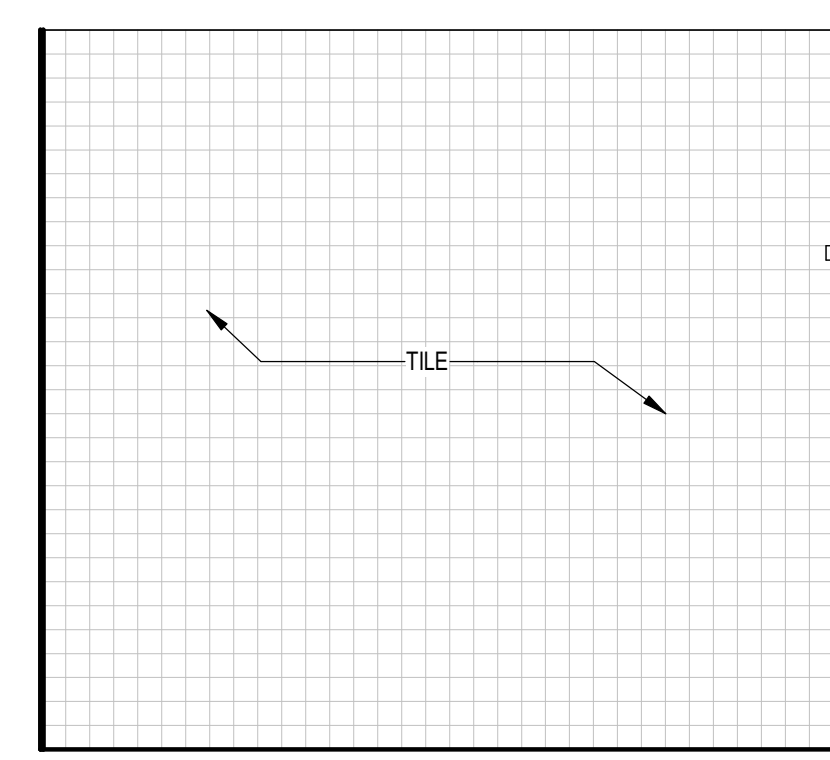
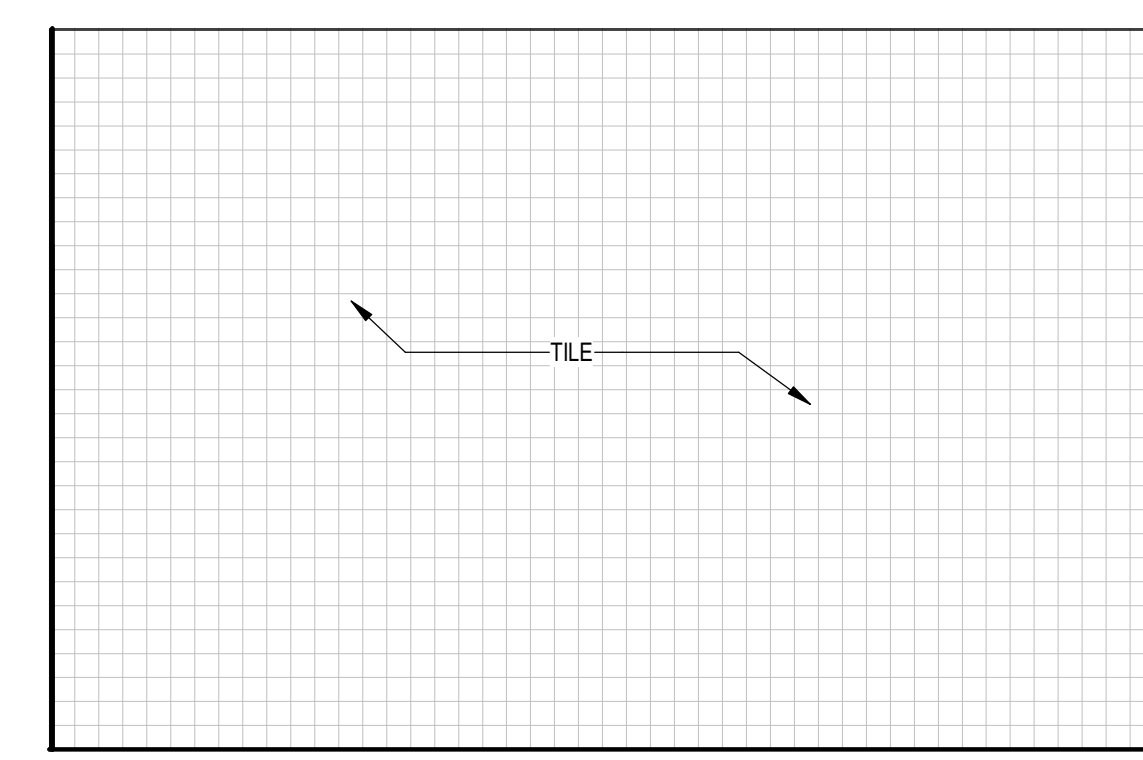
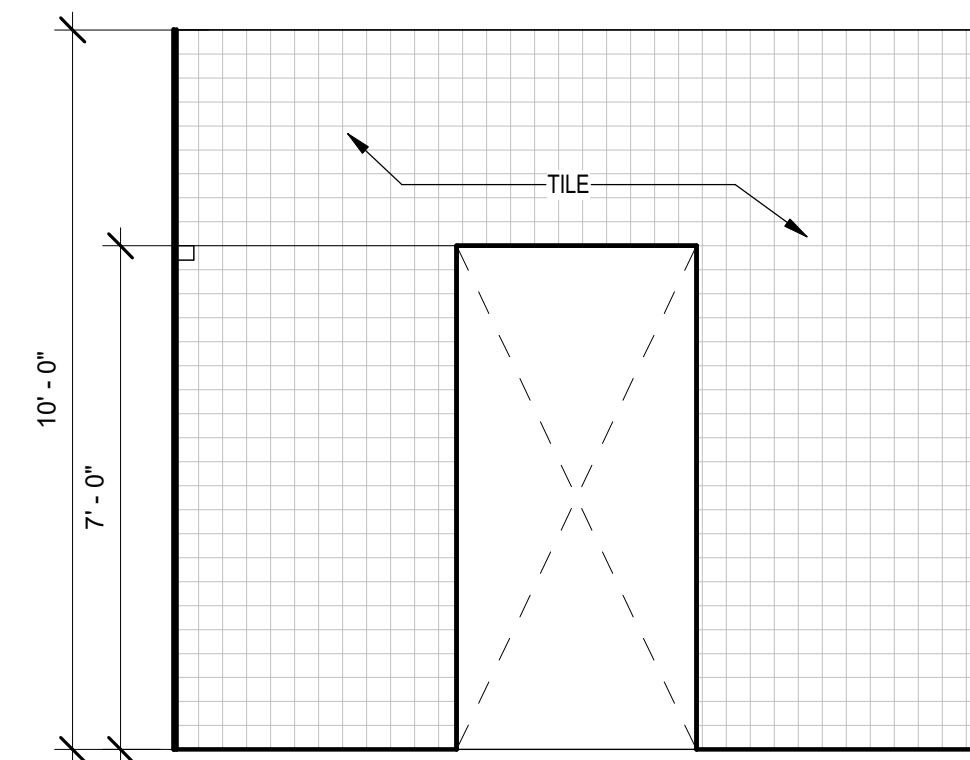
A-401



- GENERAL SHEET NOTES**
- CONTRACTOR SHALL PROVIDE BLOCKING FOR INSTALLATION OF ACCESSORIES AND GRAB BARS AS REQUIRED.
 - ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT. REFER TO G-006 FOR ACCESSORY MOUNTING HEIGHTS.
 - ALL EQUIPMENT SHALL BE ADA COMPLIANT. PROVIDE ACCESSORIES SUBMITTAL & CUT SHEET FOR TENANT AND AOR APPROVAL.
 - ALL RESTROOM WALLS SHALL RECEIVE TILE AS NOTED IN ELEVATIONS. TILE SHALL RUN ALL THE WAY UP THE WALL.
 - TILE IN ELEVATIONS IS TO BE USED FOR LOCATION PURPOSES ONLY. DESIGN OF THE TILE TO BE CHOSEN BY THE TENANT, OWNER, AND AOR.
 - EQUIVALENT ACCESSORIES BY BOBRICK OR AMERICAN SPECIALTIES IS ACCEPTABLE.

TOILET ACCESSORIES			
Mark	Info	Manufacturer	Comments
1	Stainless Steel Toilet Partition	Hadrian Inc	
2	Stainless Steel Framed Mirror	Bradley Corporation	
3	Stainless Steel Grab Bar	Bobrick Washroom Equipment, Inc.	
4	Toilet Paper Holder		
5	Shower Head		

1 ENLARGED RESTROOM PLAN
1/4" = 1'-0"

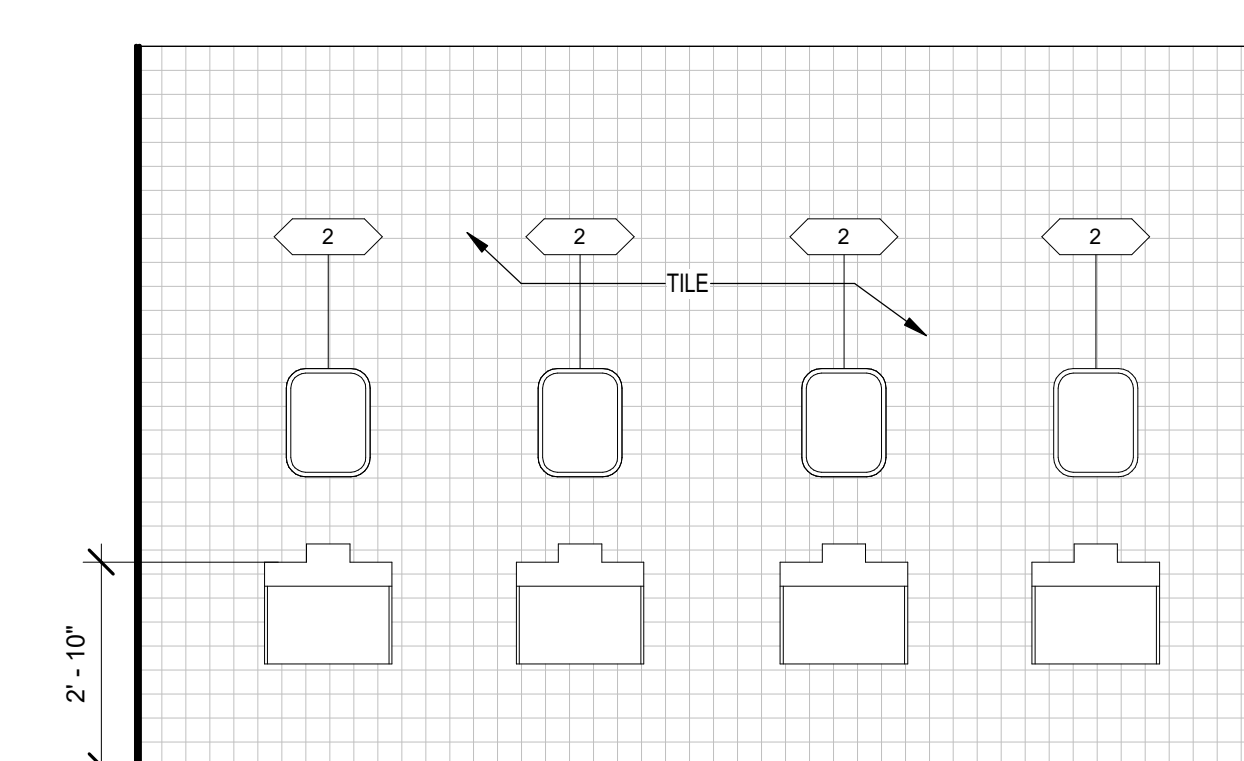
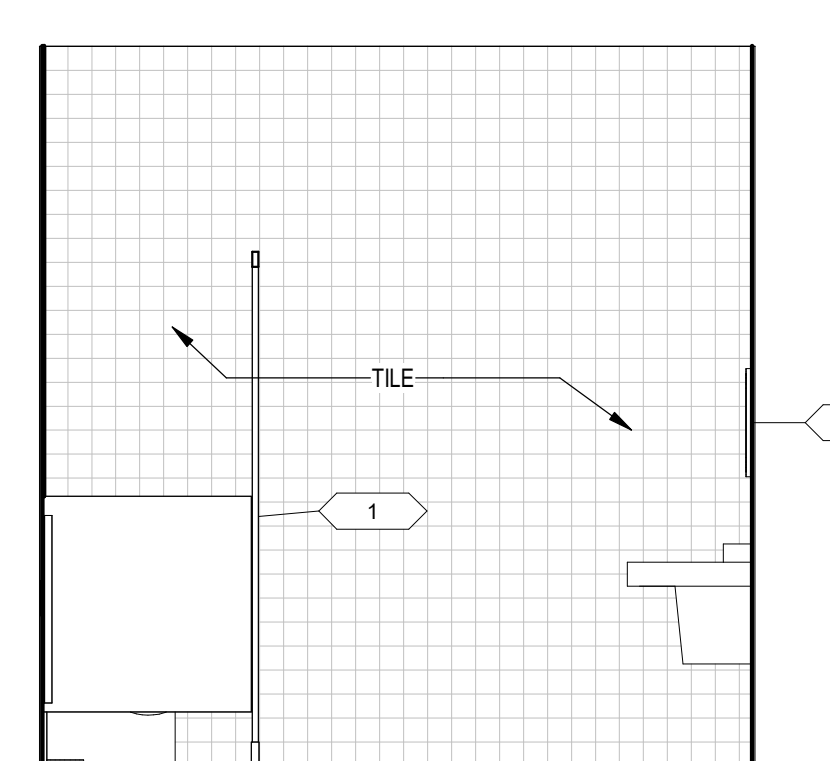
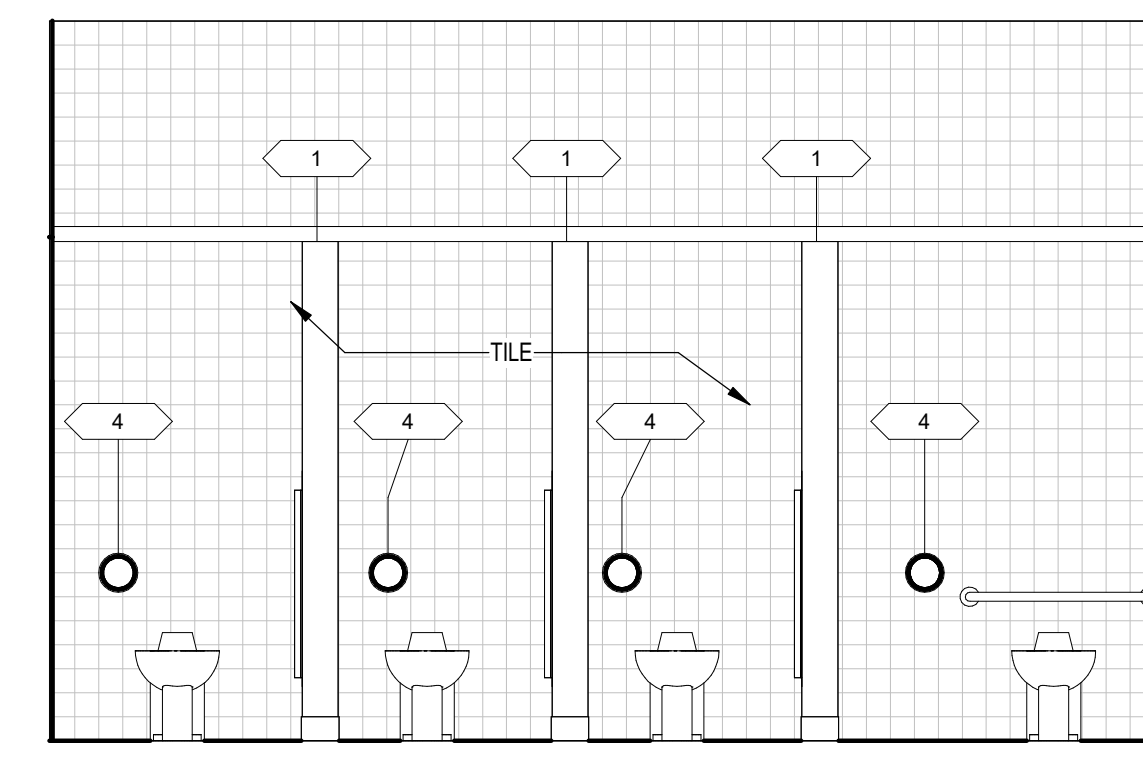
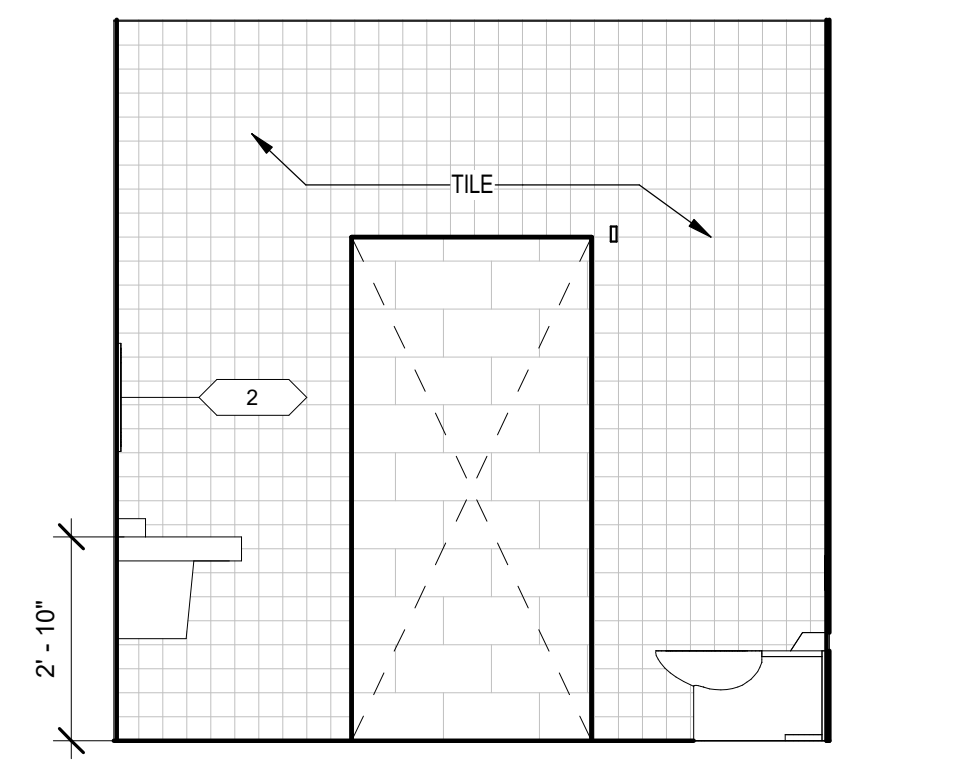


2 SHOWERS 145 ELEV 1
3/8" = 1'-0"

3 SHOWERS 145 ELEV 2
3/8" = 1'-0"

4 SHOWERS 145 ELEV 3
3/8" = 1'-0"

5 SHOWERS 145 ELEV 4
3/8" = 1'-0"



6 TOILET 149 ELEV 1
3/8" = 1'-0"

7 TOILET 149 ELEV 2
3/8" = 1'-0"

8 TOILET 149 ELEV 3
3/8" = 1'-0"

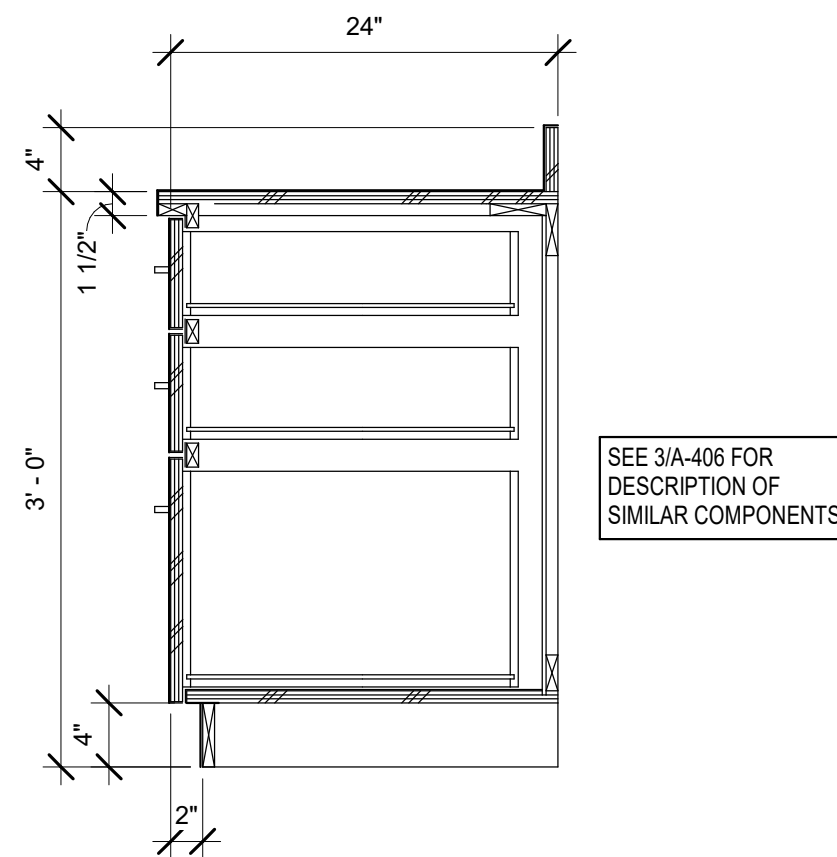
9 TOILET 149 ELEV 4
3/8" = 1'-0"

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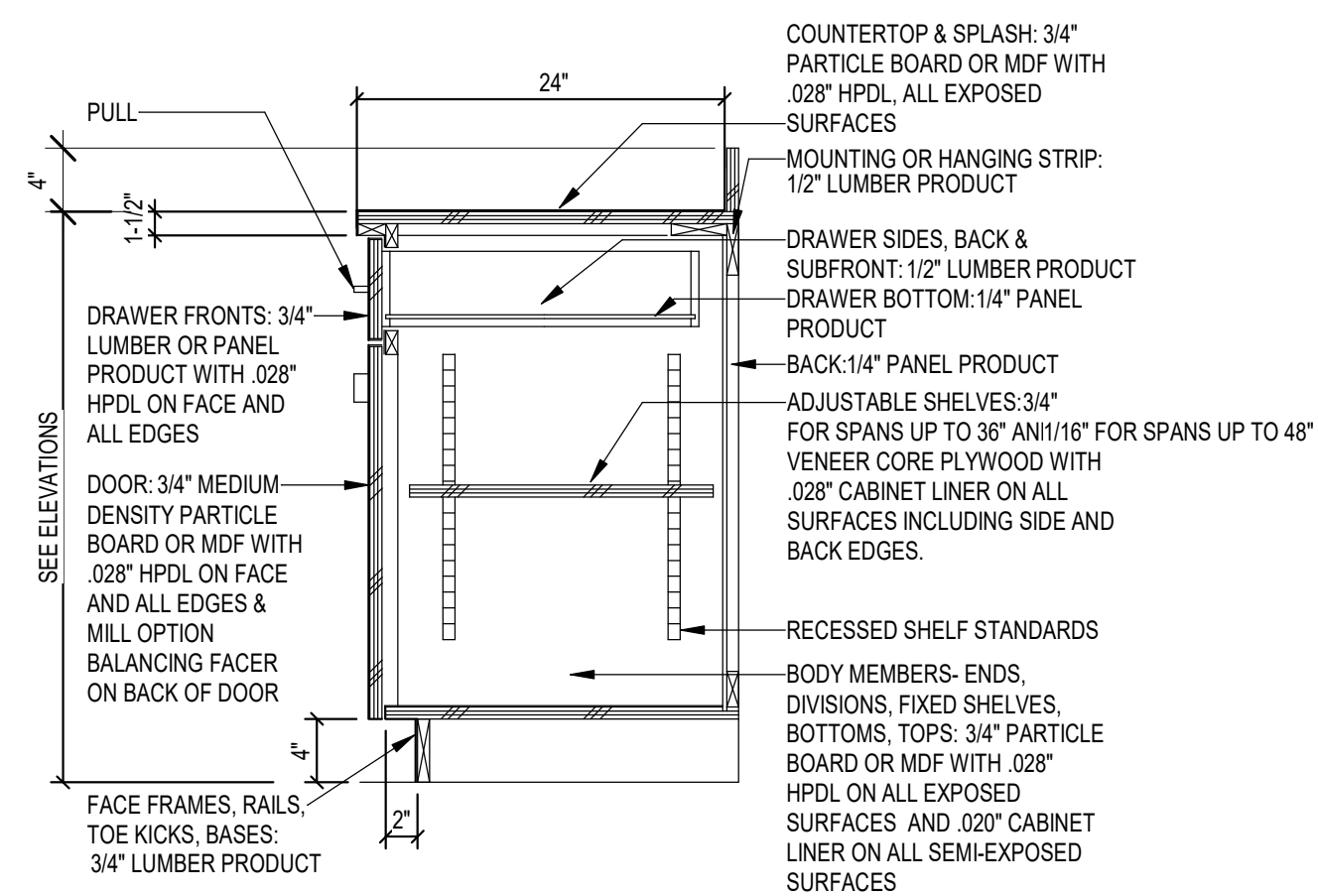
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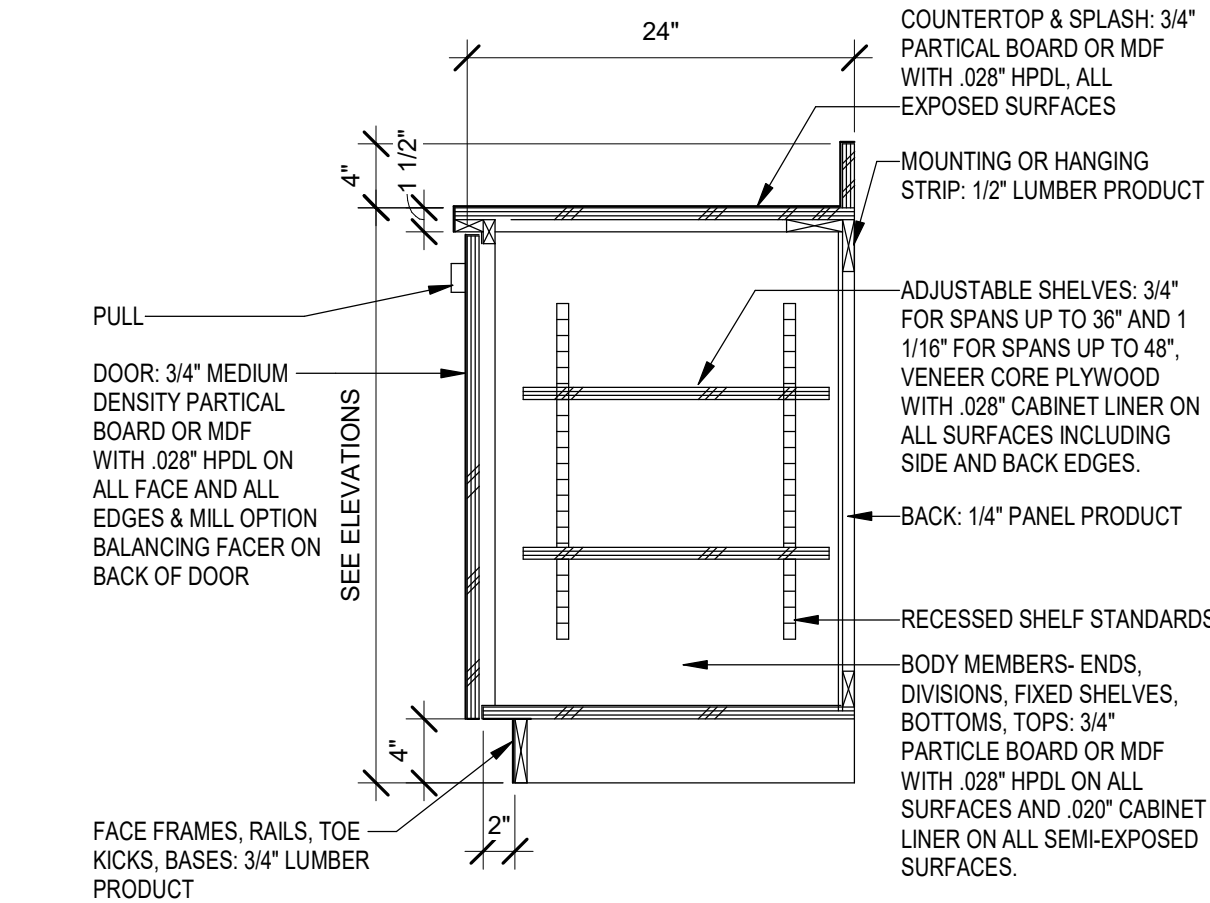
lunz.com



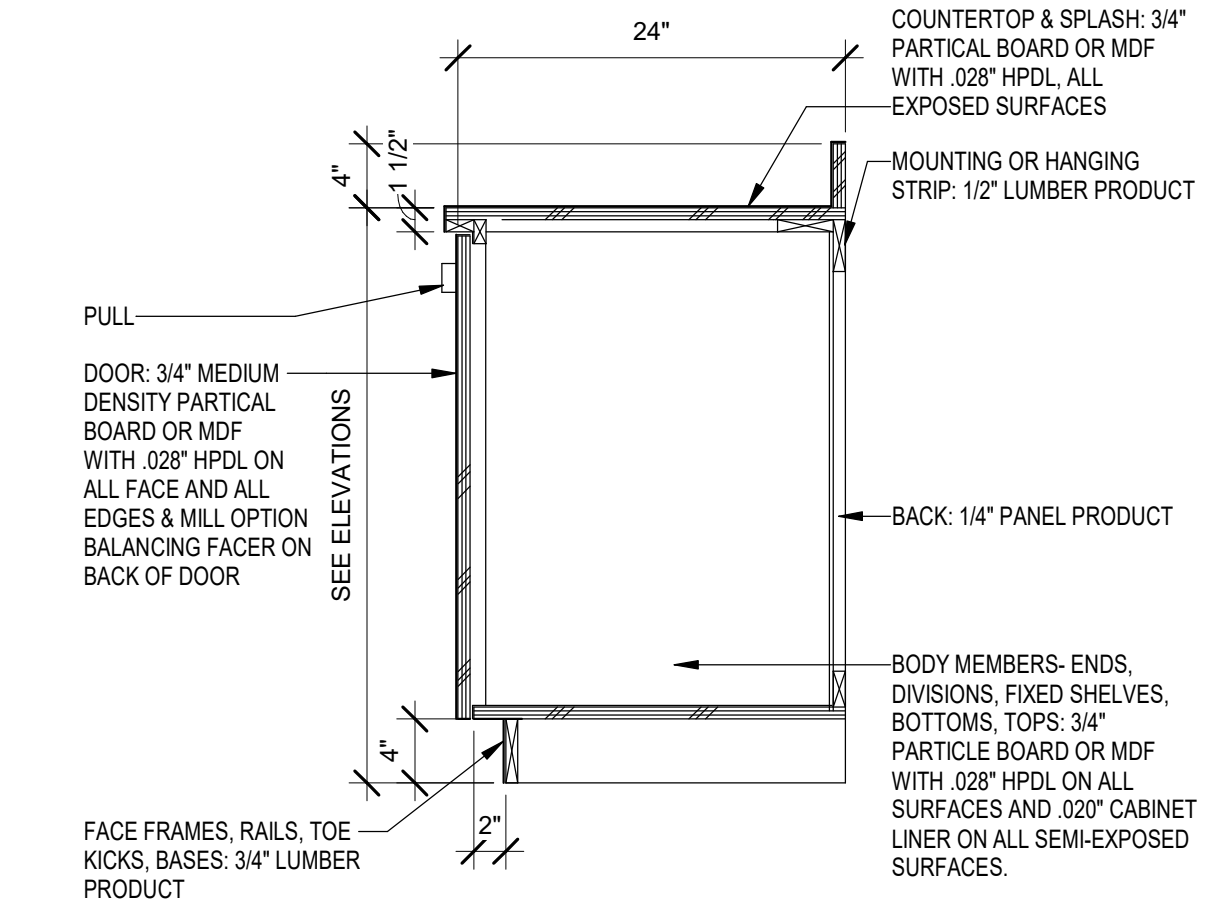
1 BASE CABINET - 2 SMALL/1 LARGE DRAWER
1" = 1'-0"



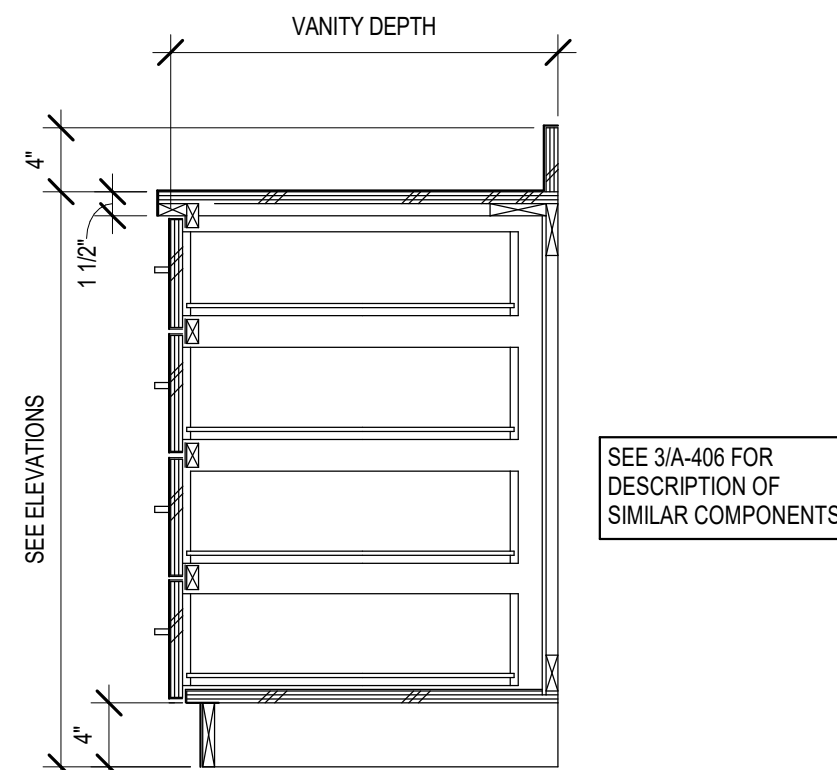
2 BASE CABINET - LAMINATE DRAWER
1" = 1'-0"



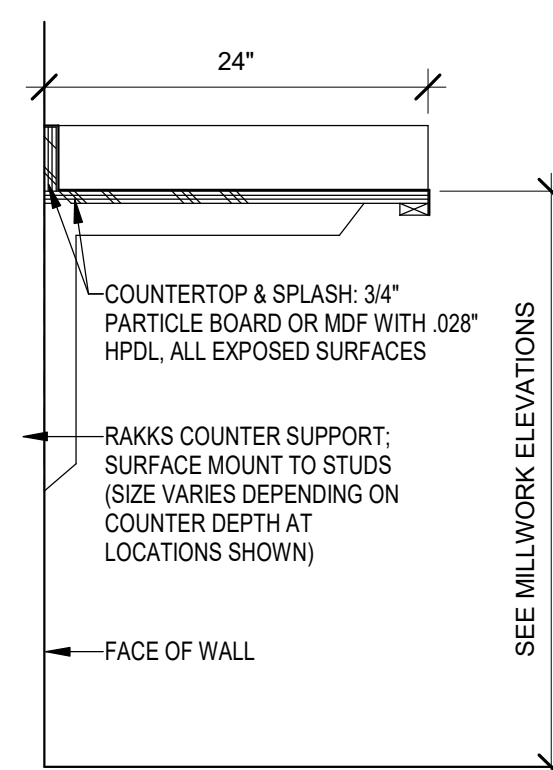
3 Base Cabinet - One Door (Laminate)
1" = 1'-0"



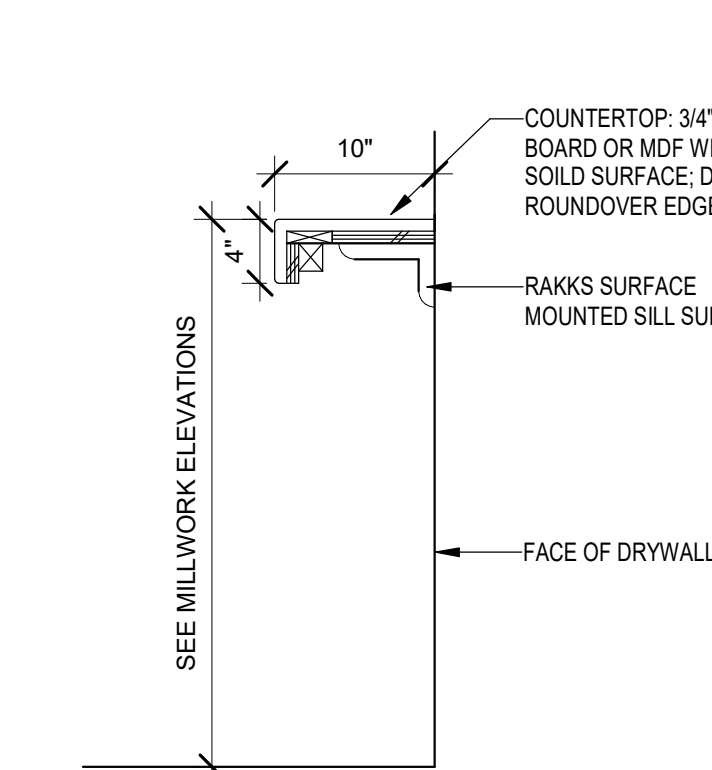
4 BASE CABINET - ONE DOOR (NO SHELVES)
1" = 1'-0"



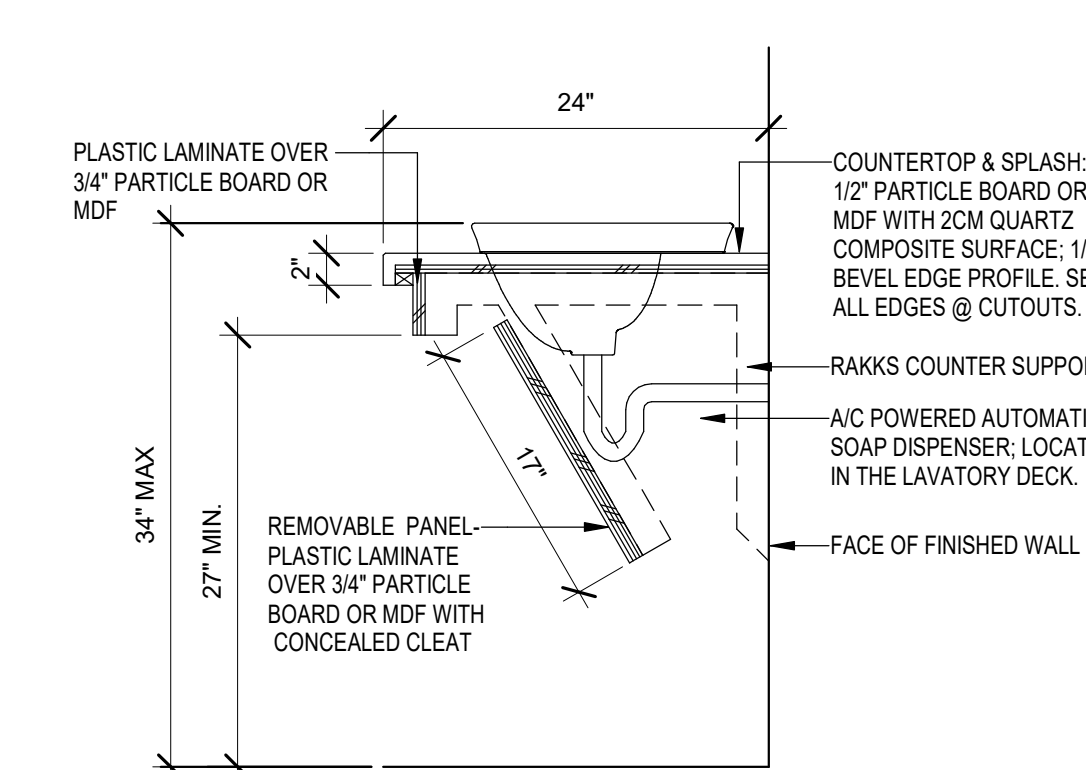
5 BASE CABINET - VANITY DRAWER
1" = 1'-0"



6 COUNTERTOP (LAMINATE)
1" = 1'-0"



7 COUNTERTOP (SOLID SURFACE)
1" = 1'-0"



8 VANITY DETAIL - COMPOSITE TOP
1" = 1'-0"

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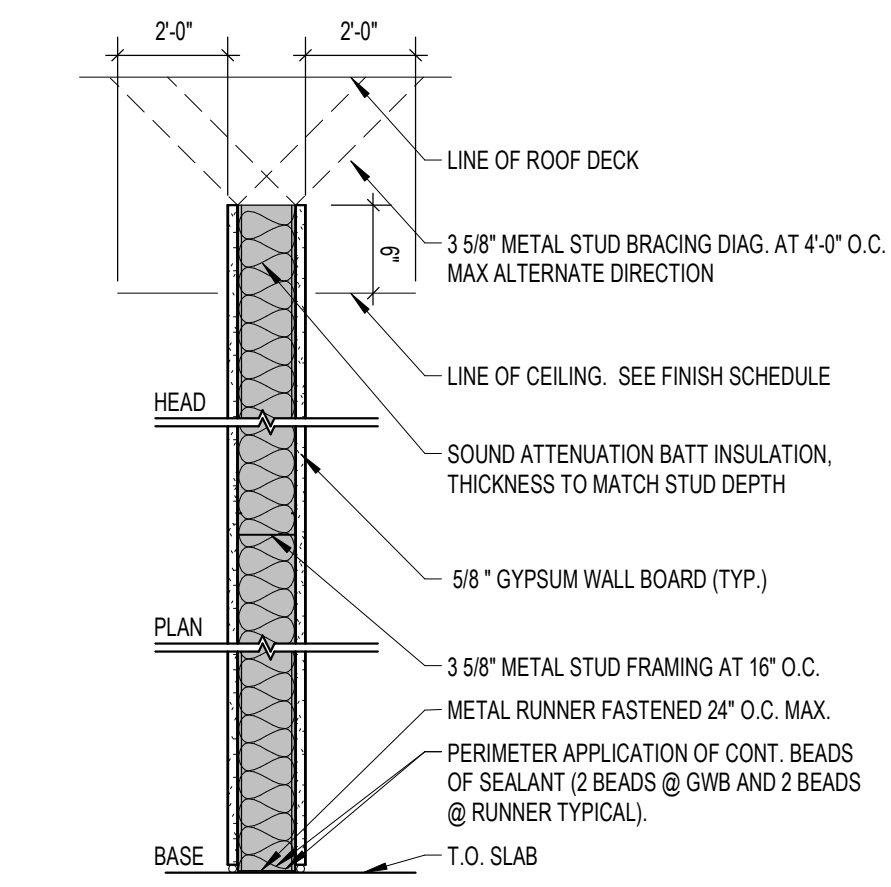
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F 883.687.6346
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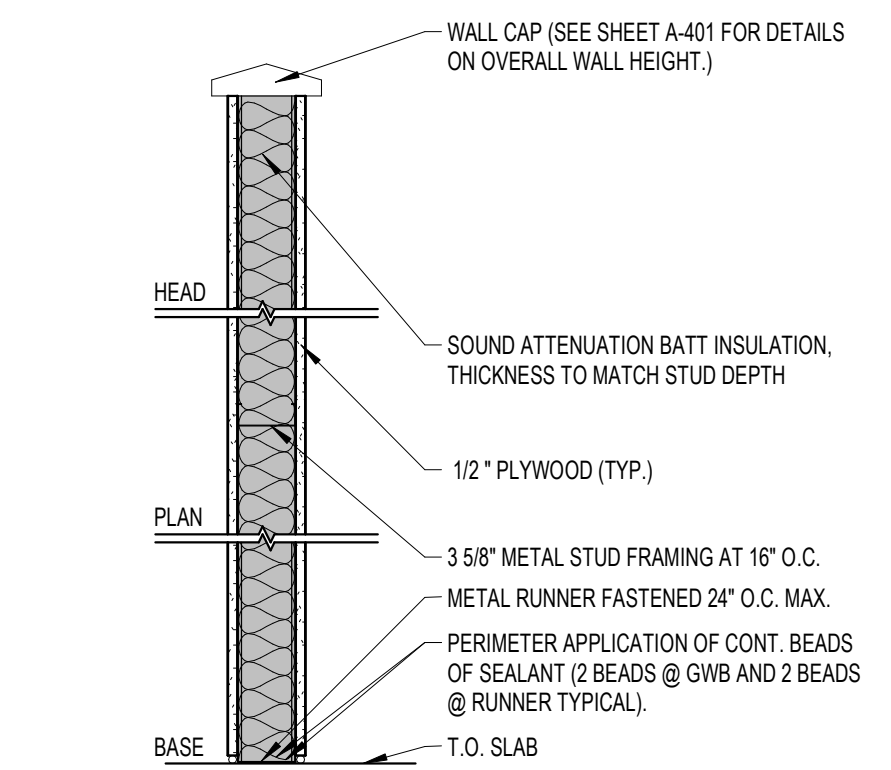
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A-403

STUD PARTITIONS



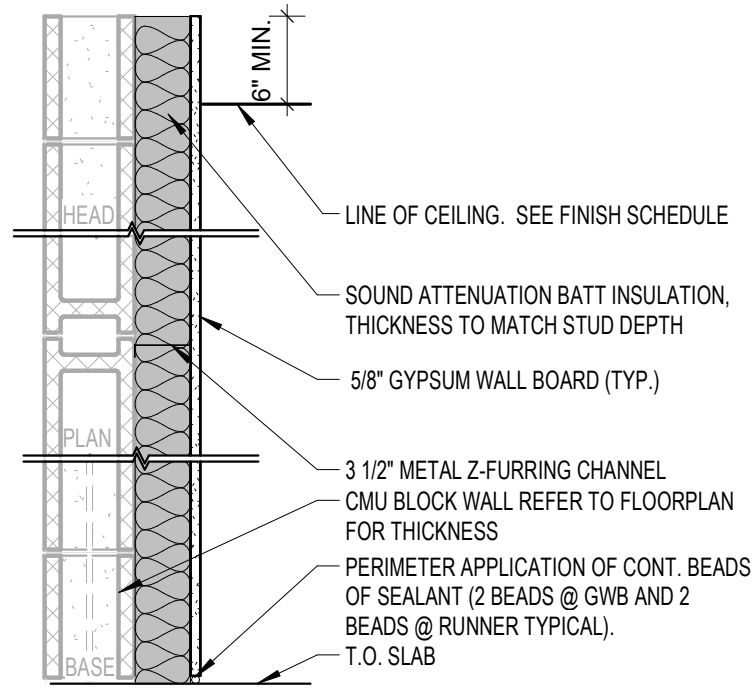
A3.AA.a | 4 7/8" | VARIES | NON-LOAD BEARING



A6.GG.g | 4 7/8" | VARIES | NON-LOAD BEARING

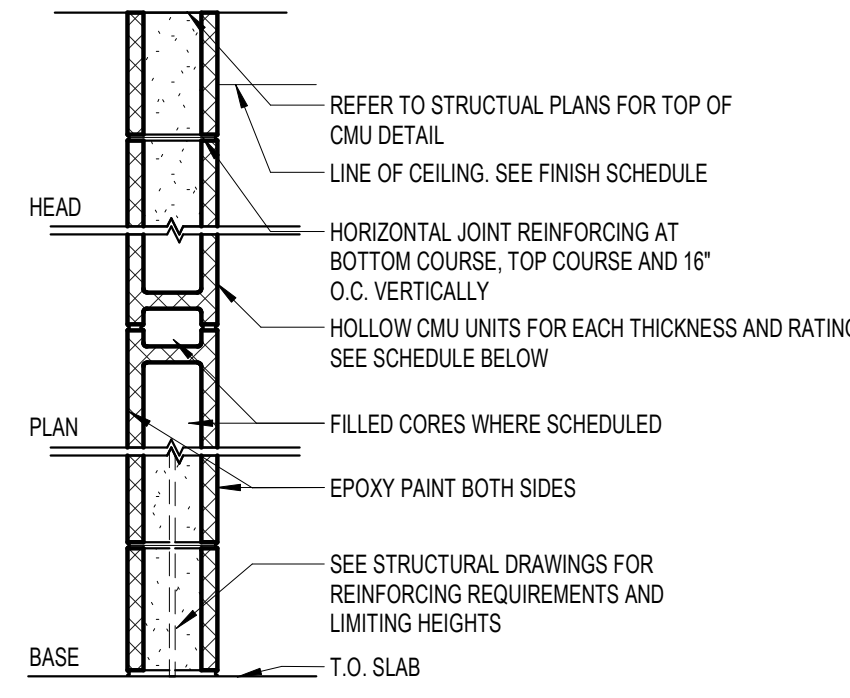
STUD PARTITIONS

FURRING PARTITIONS

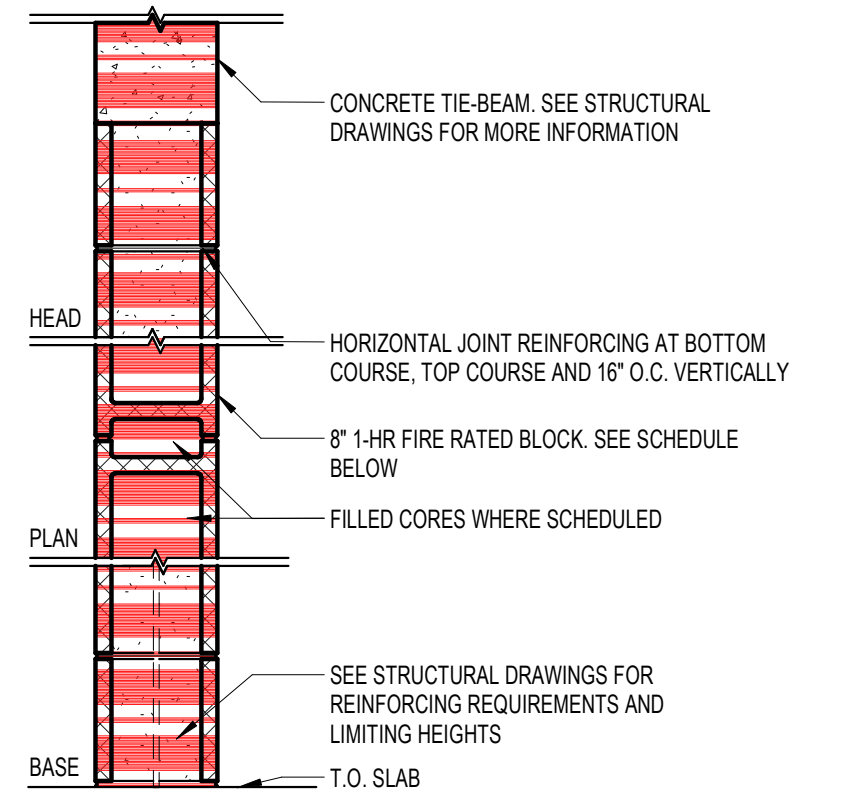


AF2.A.a | 3 1/8" | VARIES | NON-LOAD BEARING

CMU PARTITIONS



M8 | 7 5/8" | VARIES | NON-LOAD BEARING



1-M8 | 7 5/8" | VARIES | NON-LOAD BEARING

UL FIRE RATED PARTITIONS

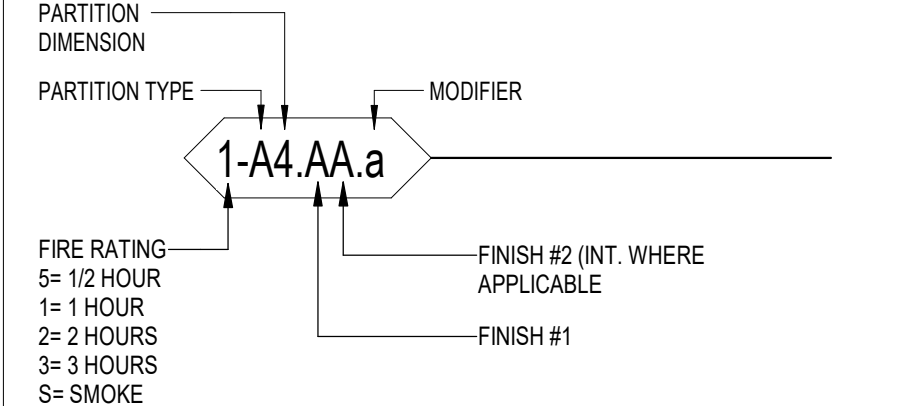
GENERAL NOTES: PARTITION SCHEDULE

- THIS SHEET IS TO BE USED IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
- PROVIDE MOLD RESISTANT GYPSUM WALL BOARD AT ALL PARTITIONS U.O.N. ALL REFERENCES TO GYPSUM BOARD, GWB, OR GYP BOARD, ETC. ARE MEANT TO REFER TO MOLD RESISTANT GYPSUM BOARD, U.O.N.
- ALL FIRE RATED PARTITIONS SHALL HAVE FIRE RATED TYPE "X" MOLD RESISTANT GYPSUM BOARD, U.O.N.
- PROVIDE CEMENT BOARD AT TILED AREAS THAT SURROUND TUB, SHOWERS, TUBS/SHOWERS
- PROVIDE WATER RESISTANT TILE BACKING BOARD AT ALL OTHER AREAS THAT RECEIVE WALL TILE.
- PROVIDE IMPACT-RESISTANT GYPSUM DRYWALL AT PARTITIONS MAKING UP THE EXIT ENCLOSURES AND ELEVATOR HOISTWAY ENCLOSURES. WALLBOARD SHALL MEET OR EXCEED ABUSE RESISTANT CLASSIFICATION LEVEL 2 AS MEASURED BY ASTM C1629 / C1629M. ASSEMBLY SHALL BE 2 HR RATED MIN.
- STUDS SHALL BE 3 5/8" MIN. 20 GA. PLACED AT 16" O.C. MAX. INCREASE GAUGE THICKNESS AND/OR DECREASE STUD SPACING AND/OR CROSS BRACING AS REQUIRED TO MEET DEFLECTION CRITERIA AND WHERE LIMITING HEIGHTS ARE EXCEEDED. REFERENCE SPECIFICATION FOR DESIGN PRESSURES AND ALLOWABLE DEFLECTIONS. IN ALL CASES THE UL AND STC RATING IS TO BE MAINTAINED.
- REFERENCE PLANS AND EGRESS PLANS FOR EXTENT OF FIRE RATED PARTITIONS.
- RATED PARTITIONS INCLUDING BUT NOT LIMITED TO APARTMENT DEMISING PARTITIONS ARE TO BE COMPLETED PRIOR TO NON-RATED WALLS TO ENSURE CONTINUITY OF BOTH ACOUSTICAL AND FIRE RATINGS.
- ALL CORNERS AT SHAFT WALL ENCLOSURES TO BE BUILT AT 90 DEGREE ANGLES ONLY.
- ALL REQUIRED FIRE RATINGS ARE TO RUN CONTINUOUSLY AND UNINTERRUPTED BOTH HORIZONTALLY AND VERTICALLY TO UL APPROVED TERMINATION.
- ALL WOOD USED WITHIN METAL PARTITIONS SHALL BE FIRE-RETARDANT TREATED.
- ALL PARTITIONS DESIGNATED TO HAVE A FIRE RATING ARE TO STRICTLY ADHERE TO UL APPROVED ASSEMBLY REQUIREMENTS. IN THE CASE OF ANY DISCREPANCIES, NOTIFY ARCHITECT PRIOR TO CONSTRUCTION.
- SEAL ALL PENETRATIONS AT FIRE RATED ASSEMBLIES USING UL APPROVED MATERIAL OR SYSTEM.
- MAINTAIN FIRE RATING AROUND RECESSED FIXTURES.
- PARTITIONS TO RECEIVE TILE, GLASS, OR SUPPORT WALL HUNG EQUIPMENT SHALL HAVE A MAXIMUM DEFLECTION OF L/360.
- PROVIDE NECESSARY CONCEALED METAL REINFORCING FOR ALL WALL-MOUNTED ITEMS. CM TO COORDINATE ALL LOCATIONS.
- CM TO COORDINATE APPLICATION OF CONTINUOUS INSULATION, AIR BARRIER AND VAPOR BARRIER THROUGHOUT THE BUILDING PERIMETER. ALL WET-SPACE PIPING IS TO BE ATTACHED TO THE WET-SPACE SIDE OF THE PARTITION ONLY. GRAB BARS, SHOWER SEATS, AND DRESSING ROOM BENCH SEATS SHALL BE INSTALLED SO THAT THEY CAN SUPPORT A SINGLE CONCENTRATED LOAD OF 250 POUNDS.
- ALL WALL PANEL JOINTS SHALL BE STAGGERED, FROM BASE LAYER WITH FACE PANEL LAYER.
- ALL FURRING WALL PARTITIONS AND ALL CHASE WALLS TO BE VERTICALLY BRACED @ 4'-0" O.C. MIN.

ACOUSTIC NOTES: PARTITION SCHEDULE

- INSTALL ACOUSTICALLY RATED ASSEMBLIES TO MEET OR EXCEED THE MINIMUM STC RATING NOTED ON THE DRAWINGS AND SPECIFICATIONS (STC 50 TYPICALLY). 25 GAUGE STUDS AT 24" O.C. OR 20 GAUGE EQUIVALENT STUDS ARE ACCEPTABLE AS ALTERNATE TO AS NOTED PROVIDED REQUIRED SPANS AND DEFLECTIONS ARE MET.
- DO NOT LOCATE OUTLET BOXES OPPOSITE ONE ANOTHER IN ANY PARTITION. LOCATE AT LEAST ONE STUD APART. SEAL THE OUTLET BOXES WITH PUTTY PADS AND CAULK THE PERIMETER USING ACOUSTICAL SEALANT. AT RATED PARTITIONS, LOCATE OUTLET BOXES AT LEAST 24" APART.
- PARTITIONS CONTAINING RECESSED ELEMENTS (E.G. TELEVISIONS) TO BE PROPERLY BLOCKED AND SEALED TO MAINTAIN REQUIRED STC RATINGS.
- WHERE GYPSUM BOARD CEILINGS MEET WALLS, HOLD THE GYPSUM BOARD CEILINGS BACK FROM THE FACE OF THE INTERSECTING WALL AND CAULK AIRTIGHT WITH A CONTINUOUS BEAD OF ACOUSTICAL SEALANT. WHERE NECESSARY, USE FOAM BACKER ROD TO PROVIDE A SURFACE AGAINST WHICH TO CAULK.
- AT CORNERS, HOLD THE LAST LAYER OF GYPSUM BOARD FROM THE FACE OF THE INTERSECTING WALL AND CAULK WITH A CONTINUOUS BEAD OF ACOUSTICAL SEALANT. CM TO COORDINATE INSULATION AS REQUIRED TO MEET UL ASSEMBLY REQUIREMENTS.

WALL TAG LEGEND



PARTITION TYPE

- | | |
|-----------------|----------------|
| A. STUD (METAL) | M. CMU |
| B. BRICK | P. PLUMBING |
| C. CONCRETE | R. STUD (WOOD) |
| D. DOUBLE WALL | S. SEPERATION |
| E. EXTERIOR | X. CHASE |
| F. FURRING | Z. SHEAR |

PARTITION DIMENSION

- | | |
|-----------------------------|-----------------------------|
| 0. 7/8" FURRING CHANNEL | 6. 6" CONCRETE, MASONRY, OR |
| 1. 1 1/2" OR 1 5/8" STUD | 8. STUD |
| 2. 2 1/2" STUD | 10. 8" CONCRETE OR MASONRY |
| 3. 3 1/2" OR 3 5/8" STUD | 11. 10" CONCRETE OR MASONRY |
| 4. 4" CONCRETE, MASONRY, OR | 12. 12" CONCRETE OR MASONRY |
| 5. STUD | |
| 5 1/2" STUD | |

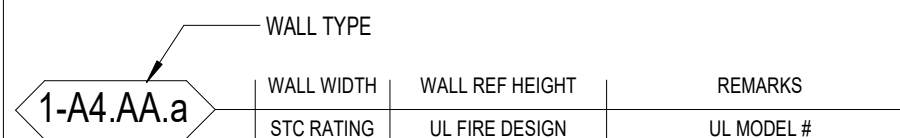
APPLIED FINISH

- | | |
|------------------------------------|---|
| A. 1 LAYER 5/8" GYP BD | G. 1 LAYER PLYWOOD (SEE PLANS FOR SIZE) |
| B. 2 LAYER 5/8" GYP BD | |
| C. 1 LAYER 5/8" GYP BD (TYPE X) | |
| D. 2 LAYER 5/8" GYP BD (TYPE X) | |
| E. 1 LAYER 5/8" MOISTURE RESISTANT | |
| F. BD | |
| 1 LAYER 1/2" CEMENT BD | |

MODIFIERS

- PARTITION INCLUDE BATT INSULATION. MATCH THICKNESS TO STUD SIZE (1" FOR 1 1/2" STUDS, 2" FOR 2 1/2" STUDS, 3" FOR 3 5/8" STUD, 6" FOR 6" STUD.)
- PARTITION INCLUDE THERMAL BATT INSULATION. MATCH THICKNESS TO STUD SIZE (1" FOR 1 1/2" STUDS, 2" FOR 2 1/2" STUDS, 3" FOR 3 5/8" STUD, 6" FOR 6" STUD.)
- PARTITION INCLUDE SOUND ATTENUATION BATT INSULATION. MATCH THICKNESS TO STUD SIZE (1" FOR 1 1/2" STUDS, 2" FOR 2 1/2" STUDS, 3" FOR 3 5/8" STUD, 6" FOR 6" STUD.) 24"
- BATT TO EITHER SIDE OF PARTITION AT CEILING. PARTITION INCLUDES ONE ADDITIONAL 5/8" THICK LAYER OF TILE BACKER BOARD (BATT TUB SIDE).
- PROVIDE 25 GA STUD (TO MEET ACOUSTICAL REQUIREMENTS).
- FULLY GROUTED.
- PARTIAL HEIGHT WALL - REFER TO ELEVATIONS FOR ADDITIONAL INFO.
- AIR SEAL PARTITION IN ACCORDANCE WITH SPEC SECTION 018115.
- COORDINATE WITH DETAILS.
- COORDINATE WITH EXTERIOR WALL DETAILS.
- PARTITION TO RECEIVE PLYWOOD ON THE SIDE OF TAG.
- AT FACE OF SERVICE CORRIDOR WALLS, ADD X" ALUMINUM DIAMOND PLATE FROM FINISHED FLOOR TO 4'-0" ABOVE FLOOR. PLATE SHALL BE APPLIED WITH COUNTERSUNK SCREWS INTO STUDS.
- 1" UNBRIDGED AIRSPACE BETWEEN ELEVATOR SHEAR WALL AND STUD, WITH MIN 3" BATT INSULATION.
- INCLUDE STIFFENER CHANNELS.
- PROVIDE 16 GAUGE STUDS AT PLUMBING CHASE WALL AT WALL HUNG TOILET.
- STUD SPACING TO BE 12" O.C.
- STUD SPACING TO BE 24" O.C.
- PARTITION INCLUDES EXTERIOR INSULATION FINISH SYSTEM.
- UL RATED WALL ASSEMBLY

LEGEND: WALL TYPE VIEW TITLE



UL # WALL CONSTRUCTION COMPLIANCE



HCSO MENTAL HEALTH POD - JIA

2310 N. FALKENBURG ROAD
TAMPA, FLORIDA 33619

WALL TYPES

#	ISSUED FOR	DATE
	DESIGN DEVELOPMENT	06.26.24
	75% CD (OWNER APPROVAL)	07.26.24

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A-500

Door Schedule												
Mark	Door					Frame			Fire Rating	Hardware	Comments	
	Width	Height	Thickness	Elevation	Material	Finish	Frame Elevation	Frame Material				Frame Finish
121A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
122A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
123A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
124A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
125A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
126A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
127A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
128A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
129A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
130A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
131A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
131R	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
132A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
132B	3'-6"	7'-0"	1 3/4"	FG	HM	PAINT	F2	HM	PAINT			
133A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
134A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
134B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT		1	
135A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
136A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
136B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT		1	
137A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
138A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
138B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT		1	
139A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
140A	3'-0"	7'-0"	1 3/4"	HG	HM	PAINT	F1	HM	PAINT		1	
140B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT		1	
141A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT		1	
143A	3'-0"	0"	0"	-	-	-	F1	HM	PAINT			
144A	3'-0"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
145A	3'-0"	7'-0"	0"	-	-	-	F1	HM	PAINT			
154B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
156B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
158B	2'-4"	7'-1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			

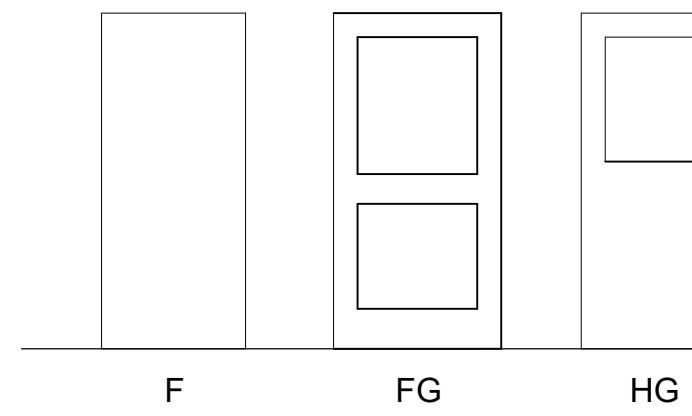
DOOR SCHEDULE KEY NOTES:

- INMATE CELL DOOR TO BE FULL GLASS WITH SECURABLE, TRAY PASS THROUGH.

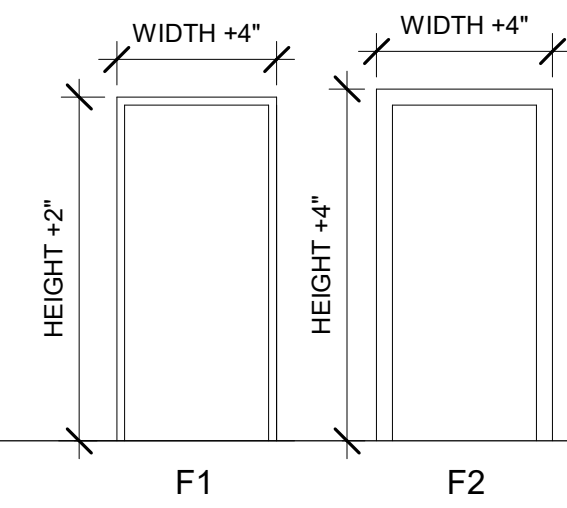
ABBREVIATIONS:

- F - FLUSH
- FG - FULL GLASS
- HG - HALF GLASS
- SL - SLIDING
- AL - ALUMINUM
- HM - HOLLOW METAL
- P - PAINTED
- S - STAINED
- SC - SOLID CORE WOOD
- WD - WOOD

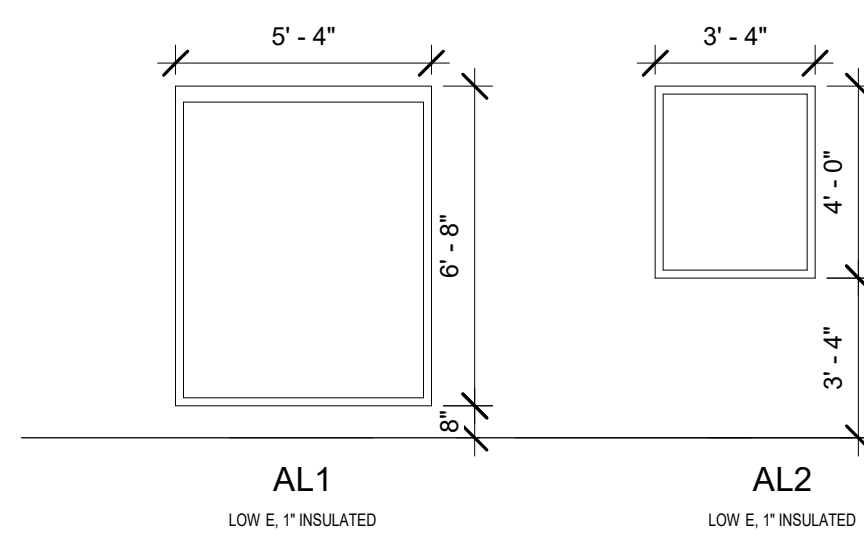
DOOR ELEVATIONS



HOLLOW METAL FRAMES



ALUMINUM ELEVATIONS



DOOR & FRAME GENERAL NOTES

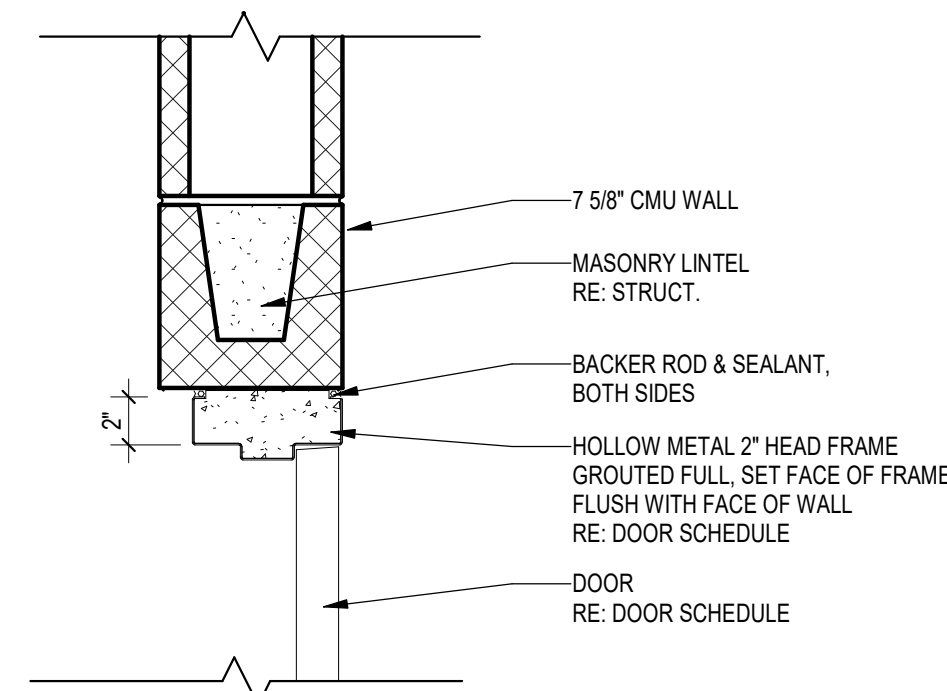
- VERIFY DOOR SIZE AND STYLE WITH DOOR MANUFACTURER
- SIZES LISTED ARE NOMINAL. VERIFY SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
- ALL DOORS TO HAVE LEVER HANDLES AND COMPLY WITH ADA.
- PROVIDE ADA COMPLIANT THRESHOLDS AS REQUIRED.

GENERAL WINDOW NOTES

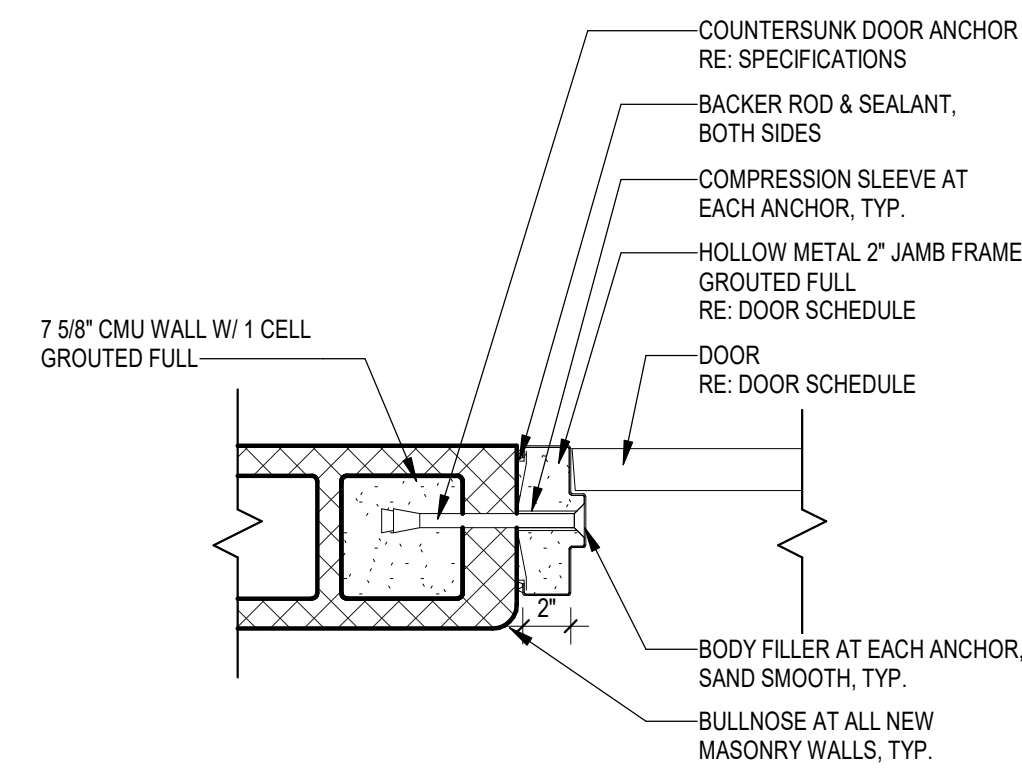
- SIZES LISTED ARE NOMINAL. VERIFY ALL OPENING SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
- ALL INTERIOR GLAZING SHALL BE CLEAR, SINGLE PANE GLASS 1/4" NOMINAL.

NOTE:

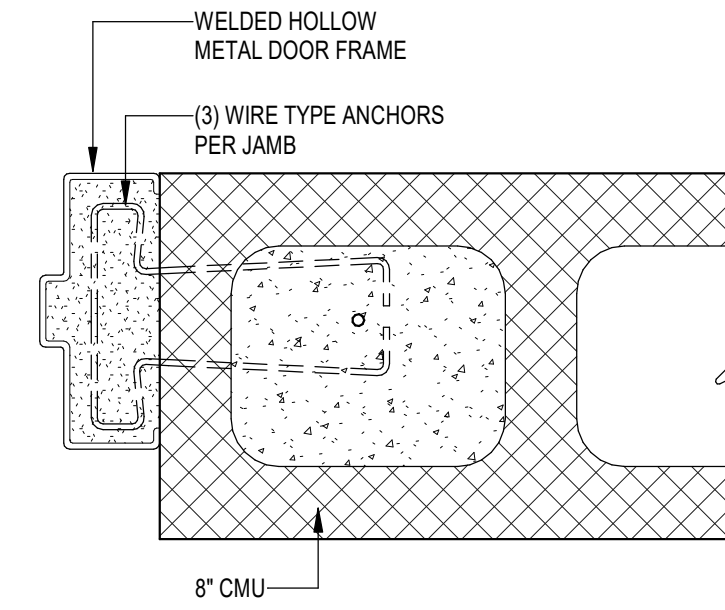
- CONTRACTOR TO PROVIDE FULL HARDWARE SCHEDULE FOR REVIEW AND COORDINATE WITH OWNER TO PROVIDE A MASTER KEY.
- PROVIDE KICK PLATES TO ALL EGRESS ENTRY/EXIT DOORS, AS APPLICABLE.



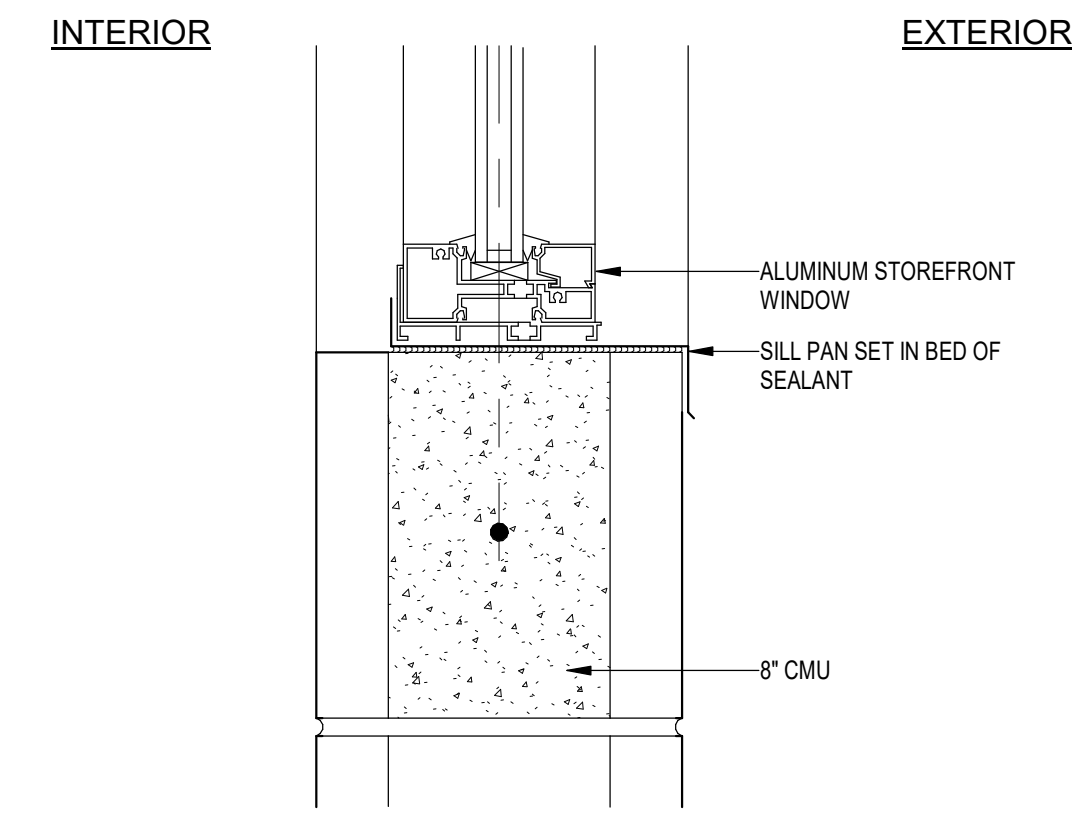
2 Hollow Metal Head @ CMU Wall
1 1/2" = 1'-0"



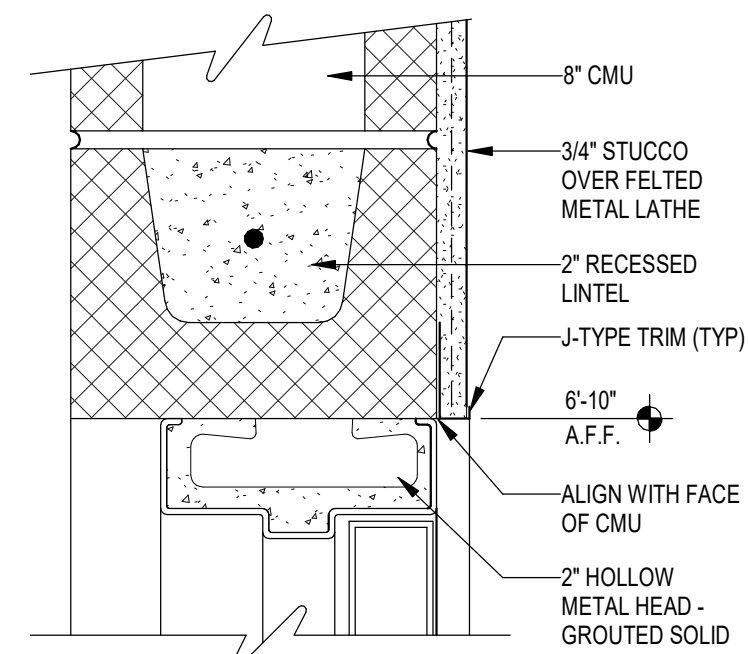
3 Hollow Metal Jamb @ CMU Wall
1 1/2" = 1'-0"



4 Jamb - Hollow Metal Door Frame in CMU
3" = 1'-0"



5 Sill - Exterior Storefront - CMU
3" = 1'-0"



6 Head - 82" Hollow Metal Door Frame in CMU/Stucco
3" = 1'-0"

HCSO MENTAL HEALTH POD - JIA

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TAMPA, FLORIDA 33619

SCHEDULES, DOOR & WINDOW ELEVATIONS

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.26.24

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Lakeland, FL 33801
P 888.982.1882
F 888.687.6346
W: A040479

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A-601

Room Schedule						
Number	Name	Ceiling Finish	Wall Finish	Base Finish	Floor Finish	Comments
121	OPEN OFFICE	GYP	PAINT	RB	LVT	
122	CONFERENCE ROOM	GYP	PAINT	RB	LVT	
124	OFFICE	GYP	PAINT	RB	LVT	
125	OFFICE	ACT	PAINT	RB	LVT	
126	EXISTING ELEC.	OPEN	PAINT	-	SEALED CONCRETE	
126	OFFICE	GYP	PAINT	RB	LVT	
127	OFFICE	GYP	PAINT	RB	LVT	
128	OFFICE	GYP	PAINT	RB	LVT	
129	OFFICE	GYP	PAINT	RB	LVT	
130	OFFICE	GYP	PAINT	RB	LVT	
131	OFFICE	GYP	PAINT	RB	LVT	
132	SECURED CORRIDOR	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
133	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
134	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
135	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
136	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
137	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
138	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
139	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
140	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
141	OPEN	OPEN	PAINT	-	VCT	VCT IS TO BE OWNER FURNISHED AND OWNER INSTALLED
142	SHERIFF'S STATION	OPEN	PAINT	-	VCT	VCT IS TO BE OWNER FURNISHED AND OWNER INSTALLED
143	TOILETS	SEALED CONCRETE	TILE	-	TILE	
144	CHASE	OPEN	PAINT	-	SEALED CONCRETE	
145	SHOWERS	SEALED CONCRETE	TILE	-	SEALED CONCRETE	
152	STORAGE	OPEN	PAINT	-	SEALED CONCRETE	
154	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
155	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
156	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
157	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
158	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
159	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
160	JANITOR	ACT	PAINT	-	SEALED CONCRETE	
161	EXERCISE YARD	OPEN	PAINT	-	SEALED CONCRETE	

INTERIOR FINISH KEY ABBREVIATIONS

- ACT - ACOUSTICAL CEILING TILE
- CT - CERAMIC TILE
- PC - POLISHED CONCRETE
- SC - SEALED CONCRETE
- CPT - CARPET
- CT - CERAMIC TILE
- GYP - GYPSUM WALL BOARD
- LVT - VINYL TILE
- P - PAINT
- RB - RUBBER BASE
- TB - TILE BASE

NOTE: SEE SHEET G-006 (GENERAL NOTES & ABBREVIATION) FOR ANY ADDITIONAL ABBREVIATIONS


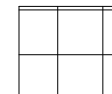

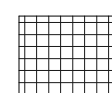
MATERIAL FINISH SCHEDULE

PAINT: SHERWIN WILLIAMS -

WALL TILE: DAL TILE -

FLOOR TILE: DAL TILE -

FLOORING FINISH KEY

-  SEALED CONCRETE
-  CERAMIC TILE
-  LVT
-  VCT



1 FLOOR FINISH PLAN
1/8" = 1'-0"

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	75% CD (OWNER APPROVAL)	07.26.24

DRAWN BY: -
REVIEW BY: Project Manager
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58 Lake Morton Dr
Lakeland, FL 33801
P 888.962.1882
F 888.687.6346
W: A004778

lunz.com

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02 - 04	75% - JIA	07.26.24

DRAWN BY: PBU
REVIEW BY: NPS

THE LUNZ GROUP
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50 Lake Morton Dr
Lakeland, FL 33801
883.662.1882
783.687.6346
E: ALUNZ@LUNZ.COM

lunz.com

GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
- PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
 - FLORIDA BUILDING CODE (FBC) 2023
 - FLORIDA EXISTING BUILDING CODE 2023
 - FLORIDA BUILDING CODE - MECHANICAL 2023
 - FLORIDA BUILDING CODE - PLUMBING 2023
 - FLORIDA BUILDING CODE - ENERGY CONSERVATION 2023
 - FLORIDA FIRE PREVENTION CODE 2023
 - NFPA 1-2021, THE UNIFORM FIRE CODE
 - NFPA 101-2021, THE LIFE SAFETY CODE
 - NFPA 518-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
 - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
 - NFPA 70-2020, NATIONAL ELECTRICAL CODE
 - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS
 - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE AS CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
- THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

MECHANICAL SHEET LIST

Sheet Number	Sheet Name
M-001	MECHANICAL NOTES, LEGENDS, & ABBREVIATIONS
MD-101	PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1
MH-101	PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1
M-401	MECHANICAL SECTION VIEWS
M-501	MECHANICAL DETAILS
M-601	MECHANICAL SCHEDULES

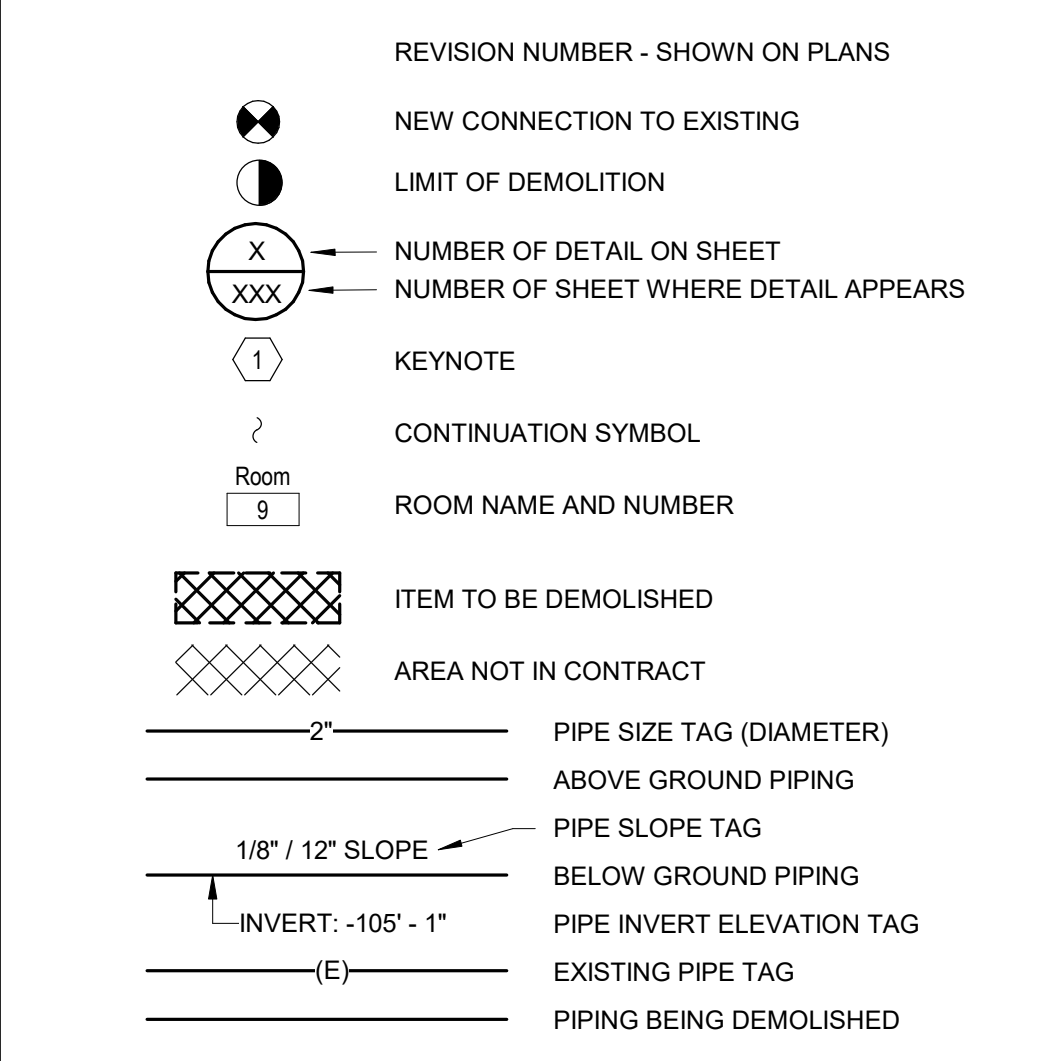
MECHANICAL NOTES

- CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL, STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES REQUIRED TO INSTALL AND ADEQUATELY SUPPORT MECHANICAL EQUIPMENT AND COMPONENTS IN A MANNER WHICH WILL NOT OVERLOAD BUILDING STRUCTURE. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- PROVIDE A TRAP IN ALL CONDENSATE PIPING LOCATED AT THE AIR HANDLING EQUIPMENT. INSULATE ALL CONDENSATE LINES WITH 1/2" CLOSED CELL FOAM INSULATION. ALL PIPING EXPOSED TO EXTERNAL ELEMENTS SHALL BE JACKETED WITH UV STABILIZED PVC OR ALUMINUM SHEETING.
- IT IS THE RESPONSIBILITY OF THE MECHANICAL INSTALLER TO PATCH AND REPAIR ANY DUCT OPENINGS WHICH RESULT FROM THE RELOCATION OR ELIMINATION OF ANY EXISTING AIR DEVICES. THE PATCH IS TO BE OF A SIMILAR MATERIAL TO THE REPAIRED DUCT AND TO BE SEALED IN ACCORDANCE WITH SMACNA STANDARDS.
- AIR HANDLING EQUIPMENT WARRANTIES SHALL BE EQUAL TO OR EXCEED WARRANTY OF SCHEDULED EQUIPMENT, UNLESS NOTED OTHERWISE.
- PROVIDE ADDITIONAL DUCTWORK AND PIPING SUPPORTS ON BOTH SIDES AND WITHIN 18" OF EACH FIRE RATED WALL. DUCTWORK OR PIPING SHALL NOT BE SUPPORTED FROM ANY FIRE RATED WALL.
- ALL RECTANGULAR DUCTWORK SHALL BE PROVIDED WITH RADIUSED ELBOWS UNLESS NOTED OTHERWISE ON DRAWINGS. FOR MITERED ELBOWS, PROVIDE SINGLE WALL TURNING VANES IN ALL RECTANGULAR DUCT ELBOWS WITH ANGLES FROM 45 DEGREES TO 90 DEGREES, EXCEPT FOR TRANSFER AIR ELBOWS. TURNING VANES SHALL BE PROVIDED ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE.
- DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS (FREE AREA).
- ALL HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL THOROUGHLY CLEAN AND ENSURE PROPER OPERATION OF ANY EXISTING HVAC EQUIPMENT. ANY CHANGE TO THE SYSTEM SHALL RESULT IN EQUIPMENT MODIFICATIONS (AS REQUIRED) INCLUDING BUT NOT LIMITED TO REPLACING MOTORS, VFDs, PULLEYS, SHEAVES, BELTS, ETC.
- CONTRACTOR SHALL PROVIDE A PERMANENT/PROFESSIONAL LABEL FOR EACH PIECE OF EQUIPMENT, ASSOCIATED THERMOSTAT(S) AND/OR SENSOR(S).
- DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER MECHANICAL SYSTEM COMPONENTS SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
- LOW PRESSURE SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS UNLESS OTHERWISE NOTED. DUCT INSULATION TO BE 2.0" THICK FOIL BACK WRAP, K=0.25 BTU-IN/SF-HR-F, 1.50LB/CF, INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY JOHNS MANVILLE OR EQUAL. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE (PER FMC 603) AS MANUFACTURED BY COMPAC INDUSTRIES MODEL # 120 (FLAME PREAD = SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF. FACING SHALL BE FSK ALUMINUM FOIL. CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS AND DETAILS IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST REVISION, AND MANUFACTURER'S RECOMMENDATIONS. SUPPORT DUCTS WITH 1x1x22 GAGE MINIMUM CHANNELS AND STRAP OR 12-GAGE WIRE FROM BUILDING CONSTRUCTION. SUSPEND FROM JOISTS WITH BEAM CLAMPS. PROVIDE HOT DIPPED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK. DUCT SIZES ON CONSTRUCTION DOCUMENTS ARE INTERNAL FREE-AREA DIMENSIONS.
- EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED DUCTWORK WITH R-8 INSULATION. SPIRAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH LATEST SMACNA STANDARDS UNLESS OTHERWISE NOTED. ALL EXPOSED DUCT SHALL CONTAIN DIFFUSERS/GRILLES EQUAL TO SCHEDULED MAKE AND MODEL. PAINT GRIP AND PAINT PER ARCHITECT.
- ALL MEDIUM PRESSURE SUPPLY DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS. DUCT INSULATION TO BE 2.0" THICK FOIL BACK WRAP, K=0.25 BTU-IN/SF-HR-F, 1.50 LB/CF, INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY SCHULLER. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE AS MANUFACTURED BY COMPAC INDUSTRIES MODEL #120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF.
- ALL EXHAUST DUCT WORK SHALL BE NON-INSULATED SHEET METAL, UNLESS NOTED OTHERWISE.
- ALL FLEXIBLE DUCTS SHALL BE LISTED AND LABELED TO UL 181 AND SHALL BE CLASS O OR CLASS 1. FLEXIBLE DUCTS SHALL HAVE A MINIMUM RATED AIR VELOCITY OF 4000 FPM, A MINIMUM POSITIVE PRESSURE RATING OF 4 IN. WG, AND A MINIMUM NEGATIVE PRESSURE RATING OF 1 IN. WG. ALL FLEXIBLE DUCTS SHALL MEET 2020 FLORIDA BUILDING CODE MECHANICAL SECTION 603.6.
- ALL DOOR UNDERCUTS FOR THE PURPOSE OF BALANCING RETURN AIR SHALL BE MINIMUM 1", PER FBC-MECHANICAL SECTION 601.6.
- ALL CONTROL WIRING SHALL BE INCLUDED AS PART OF MECHANICAL WORK. REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT AND WIRING REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR TO ENSURE THAT REQUIRED INTERFACE DEVICES ARE PROVIDED WITH ELECTRICAL COMPONENTS (I.E. FAN SPEED RHEOSTATS, AUXILIARY CONTACTS, INTERLOCKS, ETC.).
- ALL EQUIPMENT DISCONNECTS, WHETHER INTERNALLY MOUNTED OR EXTERNALLY MOUNTED, SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. IF EXTERNALLY MOUNTED, PROVIDE DISCONNECTING MEANS AT SAME ELEVATION AS EQUIPMENT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE BIDDING/ORDERING AND INSTALLATION.
- WHERE MOTOR SPEED CONTROL IS REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE APPROPRIATE METHOD OF SPEED CONTROL. TYPICALLY, SINGLE PHASE MOTORS REQUIRE SPEED CONTROLLERS, AND THREE PHASE MOTORS REQUIRE VFD'S.

MECHANICAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS PRIOR TO BEGINNING WORK AND ORDERING EQUIPMENT, AND FOR COORDINATING NEW EQUIPMENT DIMENSIONS AND MEANS AND METHODS FOR INSTALLATION WITH FIELD CONDITIONS.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SUBMITTED EQUIPMENT TO ENSURE ALL INLET/OUTLET CONNECTIONS COORDINATE WITH FIELD INSTALLED DUCTWORK AND MAKE ANY NECESSARY DUCT MODIFICATIONS TO ENSURE PROPER OPERATION OF MECHANICAL EQUIPMENT.
- SUBMITTALS SHALL MEET SCHEDULED DESIGN CHARACTERISTICS, INCLUDING BUT NOT LIMITED TO CFMS, EAT(DB/WB), ESP, CAPACITIES, VOLTAGES/PHASES, MCA/MOCP, SONES, ETC.
- ALL DUCT CONSTRUCTION, INSTALLATION, AND SUPPORTS ARE TO COMPLY WITH LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE DUCT. ALL DUCTWORK SHALL BE 2" PRESSURE CLASS UNLESS OTHERWISE NOTED.
- ROUND DUCTS AND FITTINGS SHALL BE SPIRAL SEAM CONSTRUCTION, MANUFACTURED FROM G60 GALVANIZED STEEL ACCORDING TO ASTM A653/A924 AND AS SPECIFIED. RECTANGULAR DUCTWORK SHALL BE MANUFACTURED FROM G60 GALVANIZED SHEET METAL STEEL ACCORDING TO ASTM A653/A653M AND AS SPECIFIED.
- ALL WALL-MOUNTED THERMOSTATS AND/OR TEMPERATURE SENSORS SHALL BE INSTALLED AT AN ELEVATION OF 48" ABOVE FINISHED FLOOR TO THE TOP UNLESS OTHERWISE NOTED ON DRAWINGS. LOCATION OF WALL-MOUNTED THERMOSTATS SHALL BE COORDINATED WITH OTHER TRADES FOR A NEAT APPEARANCE. FINAL LOCATION OF THERMOSTATS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER OR REPRESENTATIVE IN THE FIELD.
- ALL SUPPLY AIR DIFFUSERS SHALL BE 4-WAY THROW UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PAINT INSIDE EACH RETURN GRILLE'S PLENUM AND DUCT CONNECTION FLAT BLACK TO CONCEAL CONNECTION, COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES AND FIRE SPRINKLER HEADS. PRIOR TO INSTALLATION, THE CONTRACTOR IS TO REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR ACTUAL FINAL LOCATIONS OF AIR DEVICES.
- CONTRACTOR SHALL COORDINATE DIFFUSER/GRILLE LOCATIONS WITH STRUCTURE IN EXPOSED SITUATIONS IN ORDER TO ENSURE AIR IS NOT DIRECTLY SUPPLIED OR RETURNED OVER STRUCTURE OR OTHER TRADE COMPONENTS SUCH AS FIRE SPRINKLER PIPING, PLUMBING PIPING, ETC., CAUSING DUST ACCUMULATION. DUCTWORK ALONG WITH DIFFUSER/GRILLE LOCATIONS SHALL BE INSTALLED SYMMETRICALLY WITH ANY ADJACENT DUCTWORK/GRILLES. CENTER DIFFUSERS/GRILLES BETWEEN STRUCTURAL MEMBERS WHERE DUCTWORK AND STRUCTURAL MEMBERS ARE EXPOSED. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL INSTALLATION APPEARANCE AND SHALL MAKE APPROPRIATE CHANGES WHERE DIRECTED BY ARCHITECT/ENGINEER AT THEIR OWN EXPENSE WHERE ITEMS ARE NOT INSTALLED PER ABOVE STANDARDS.
- CONTRACTOR SHALL PROVIDE A COPY OF THE TEST AND BALANCE REPORT BY AN AABC OR NEBB CERTIFIED AGENCY. THIS REPORT MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE FINAL INSPECTION. THE CONTRACTOR MUST ALSO PROVIDE ALL REPORTS REQUIRED BY THE SPECIFICATION. OUTDOOR TEMPERATURE (DB); OUTSIDE AIR (DB/WB & CFM); SUPPLY AIR AT UNIT DISCHARGE (DB/WB & CFM); RETURN AIR (MIXED) (DB/WB & CFM); LEAVING COIL (DB/WB); DIFFUSER/GRILLE (DB/WB); EQUIPMENT (EWT/LWT); EQUIPMENT (EAT/LT); EQUIPMENT (GPM); EQUIPMENT (PRESSURES). OUTSIDE AIR CFM SHALL BE MEASURED DIRECTLY AND NOT CALCULATED FROM THE DIFFERENCE BETWEEN SUPPLY AIR CFM AND RETURN AIR CFM.
- CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS DURING TEST AND BALANCE AS REQUIRED TO ENSURE EQUIPMENT IS OPERATING WITHIN 10% OF THE SPECIFIED CRITERIA. THIS INCLUDES, BUT IS NOT LIMITED TO, ADJUSTING BELTS, SHEAVES, PULLEYS, AND IMPELLERS.
- ALL AIR HANDLING UNITS SHALL BE MECHANICALLY ATTACHED TO OTHER AIR DISTRIBUTION SYSTEM COMPONENTS. AIR HANDLING UNITS LOCATED OUTSIDE THE CONDITIONED SPACE SHALL BE SEALED USING APPROVED CLOSURE SYSTEMS CONFORMING TO THE APPROVED CLOSURE AND MECHANICAL APPLICATION REQUIREMENTS OF FLORIDA BUILDING CODE.
- ALL DUCTWORK MUST BE INSTALLED 6" AWAY FROM ANY FIRE RATED WALL TO FACILITATE INSPECTION.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION AND WORK SUCH AS DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS, SMALL WATER LINES, ETC. IDEALLY DUCTWORK SHALL BE INSTALLED FIRST.
- PROVIDE A FIRE DAMPER AT EVERY DUCT PENETRATION OF A FIRE-RATED WALL OR CEILING, WHETHER SHOWN ON DRAWINGS OR NOT. ALL FIRE DAMPERS SHALL BE DYNAMIC TYPE WITH BLADES OUTSIDE AIRSTREAM, UNLESS NOTED OTHERWISE.
- PROVIDE FIRE, SMOKE, AND COMBINATION FIRE/SMOKE DAMPERS AT EVERY LOCATION WHERE REQUIRED BY SECTION 607.5 OF THE FBC-MECHANICAL, WHETHER SHOWN ON DRAWINGS OR NOT. PROVIDE PROPER DAMPER ACTUATION IN ACCORDANCE WITH SECTION 607.3.3 OF THE FBC-MECHANICAL. PROVIDE ACCESS AND IDENTIFICATION IN ACCORDANCE WITH SECTION 607.4 OF THE FBC-MECHANICAL.
- PENETRATIONS FOR PIPES, CONDUITS OR OTHER PURPOSES THROUGH ASSEMBLIES (FLOORS, ROOF, WALLS, PARTITIONS, ETC.) WITH A REQUIRED FIRE RESISTANCE RATING SHALL BE SEALED TO THE PENETRATING MEMBER IN AN APPROVED MANNER WHICH MAINTAINS THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLY.
 - WHERE HOLES FOR PENETRATIONS ARE FORMED CIRCULAR OR CORE-BORED, THE PENETRATION SHALL BE PROTECTED WITH FIRE-SEAL BRAND SMOKE AND FIRE STOP FITTINGS BY O-Z GEDNEY, LINK-SEAL BRAND BY THUNDER LINE, OR EQUAL APPROVED BY ENGINEER.
 - WHERE HOLES FOR PENETRATIONS ARE IRREGULAR (NON-CIRCULAR) IN SHAPE, THE PENETRATION SHALL BE PROTECTED WITH DOW CORNING 3-6548, SILICONE RTV FOAM, 3M FIRE BARRIER PENETRATION SEAL SYSTEM, OR EQUAL APPROVED BY THE ENGINEER.
- PROVIDE CEILING RADIATION DAMPERS AT PENETRATIONS TO CEILING MEMBRANE OF A FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY IN ACCORDANCE WITH SECTION 607.6.2 OF THE FBC-MECHANICAL.
- INTENT OF MECHANICAL NOTES ON DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT CONTRACTOR OF EXISTING CONDITIONS. CONTRACTOR IS TO VISIT THE SITE AND VERIFY ALL CLEARANCES BEFORE FABRICATION OF DUCTWORK, AND PROVIDE ADDITIONAL OFFSET AND/OR CHANGES IN DUCT SIZES TO MEET FIELD CONDITIONS, AND TO COORDINATE WITH ELECTRICAL, PLUMBING, AND FIRE PROTECTION SUBCONTRACTORS, BEFORE ANY CONSTRUCTION WORK.
- FLEXIBLE AND RIGID ROUND DUCT TAKE-OFFS FOR DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
- INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE DUCT ELEVATIONS WITH RAIN LEADERS, WATER PIPING, SANITARY DRAINS, AND MAJOR ELECTRICAL CONDUITS.

GENERAL MECHANICAL SYMBOLS



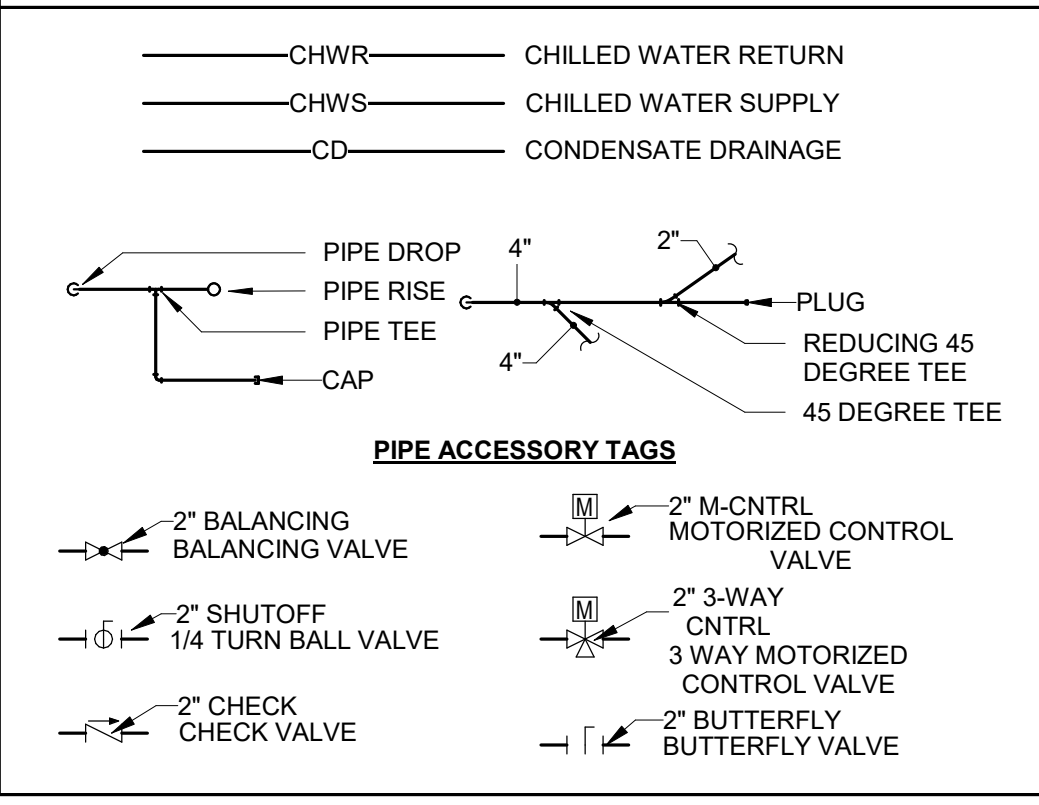
ABBREVIATIONS

ABV	ABOVE	MBH	ONE THOUSAND BTU PER HOUR
AC	AIR CONDITIONING	MCF	ONE THOUSAND CUBIC FEET
ADD	ADDENDUM	MD	MOTORIZED DAMPER
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
ALT	ALTERNATE	MFR	MANUFACTURER
AP	ACCESS PANEL	MIN	MINIMUM
ARCH	ARCHITECT/ARCHITECTURAL	MISC	MISCELLANEOUS
BFF	BELOW FINISHED FLOOR	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	NC	NOISE CRITERIA
BTUH	BRITISH THERMAL UNITS PER HOUR	N/C	NORMALLY CLOSED
CAP	CAPACITY	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CLG	CEILING	NTS	NOT TO SCALE
D	DEGREE	NUM	NUMBER
DB	DRY BULB	OA	OUTSIDE AIR
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PLBG	PLUMBING
EAT	ENTERING AIR TEMP	PRESS	PRESSURE
ELEC	ELECTRICAL	PRV	PRESSURE REDUCING VALVE
EQUIP	EQUIPMENT	PSI	POUNDS PER SQUARE INCH
EWC	ELECTRIC WATER COOLER	PSIG	POUNDS PER SQUARE INCH (GAUGE)
EWT	ENTERING WATER TEMP	PWR	POWER
EA	EXHAUST AIR	R	DUCT RISER
EXIST	EXISTING	RA	RETURN AIR
F	DEGREES FAHRENHEIT	REC	RECESSED
FL	FLOOR	RED	REDUCER
FFM	FEET PER MINUTE	RED	RELATIVE HUMIDITY
FT	FOOT/FEET	R/LA	RELIEF AIR
GAL	GALLON	RM	ROOM
GC	GENERAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
GPM	GALLONS PER MINUTE	SF	SQUARE FOOT
HP	HORSEPOWER	SA	SUPPLY AIR
HTG	HEATING	SF	SQUARE FOOT
HTR	HEATER	SD	SMOKE DAMPER
IN	INCH	SM	SURFACE MOUNT
INV	INVERT	SP	STATIC PRESSURE
LB	POUND	T	THERMOSTAT
LB/HR	POUNDS PER HOUR	TD	TEMPERATURE DROP
LAT	LEAVING AIR TEMPERATURE	TEMP	TEMPERATURE
LP	LOW PRESSURE	TYP	TYPICAL
LVR	LOUVER	UG	UNDERGROUND
LWT	LEAVING WATER TEMP	VENT	VENTILATION
MA	MIXED AIR	WB	WET BULB
MAX	MAXIMUM		

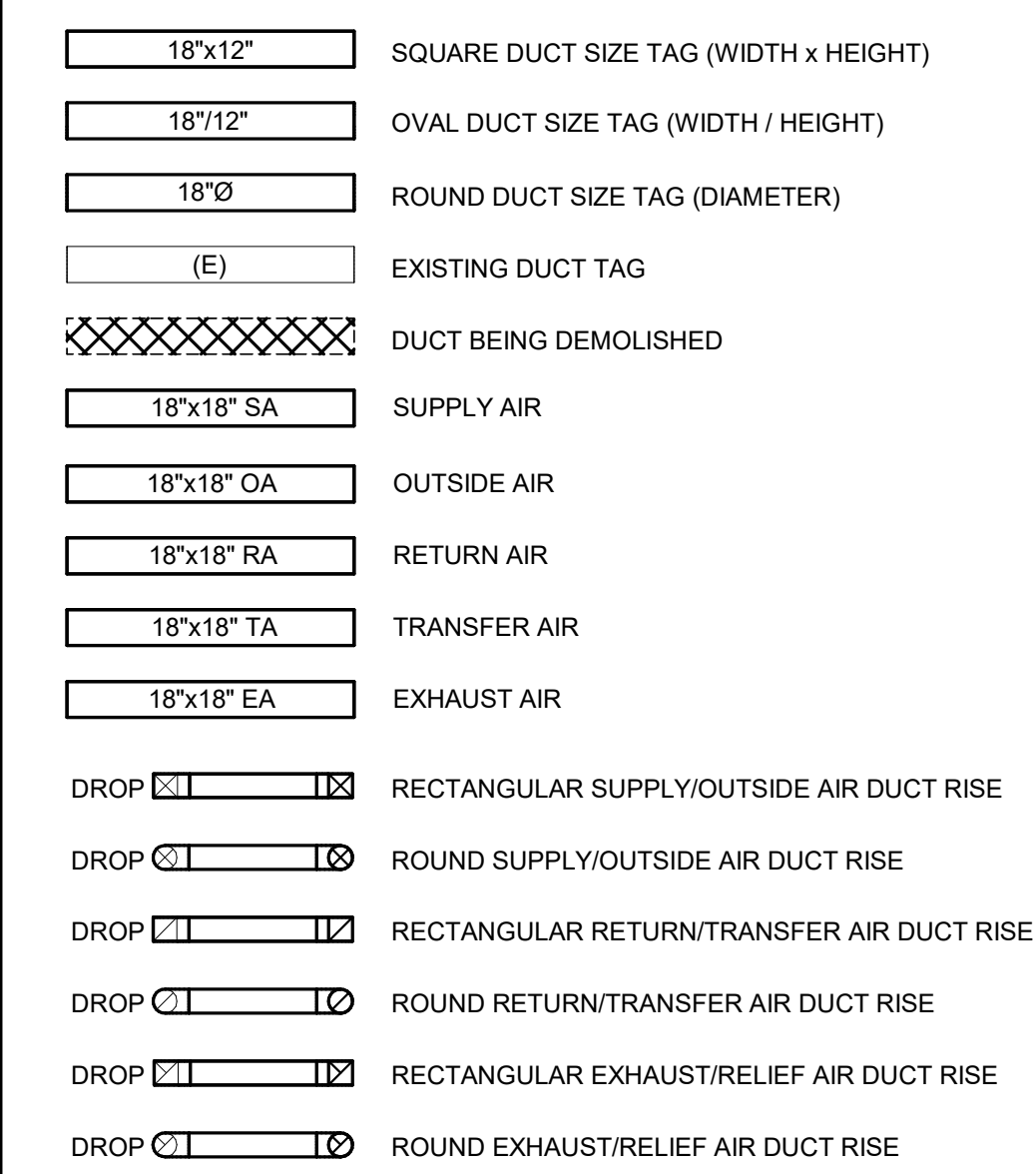
EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	EF	EXHAUST FAN
AHU	AIR HANDLING UNIT	EDC	ELECTRIC DUCT COIL
CH	CHILLER	FCU	FAN COIL UNIT
CT	COOLING TOWER	GRV	GRAVITY ROOF VENTILATOR
CHWP	CHILLED WATER PUMP	PV	POWER ROOF VENTILATOR
CWP	CONDENSER WATER PUMP	RF	RETURN FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT

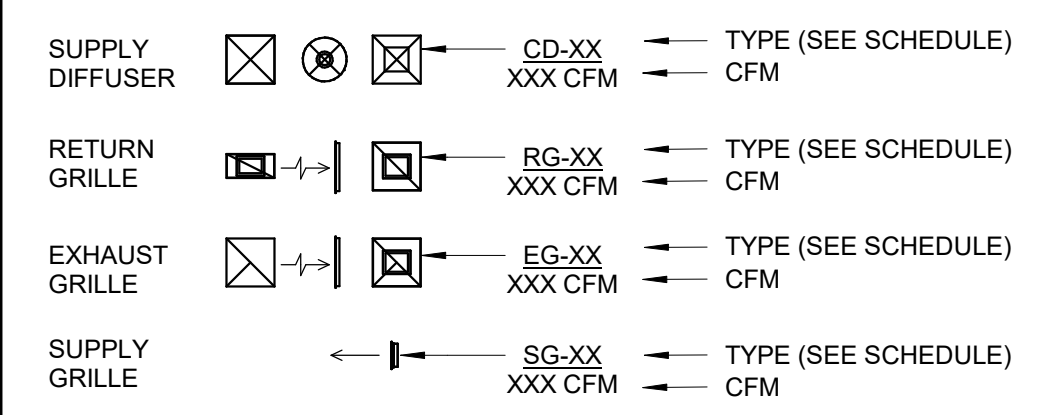
PIPING SYMBOLS



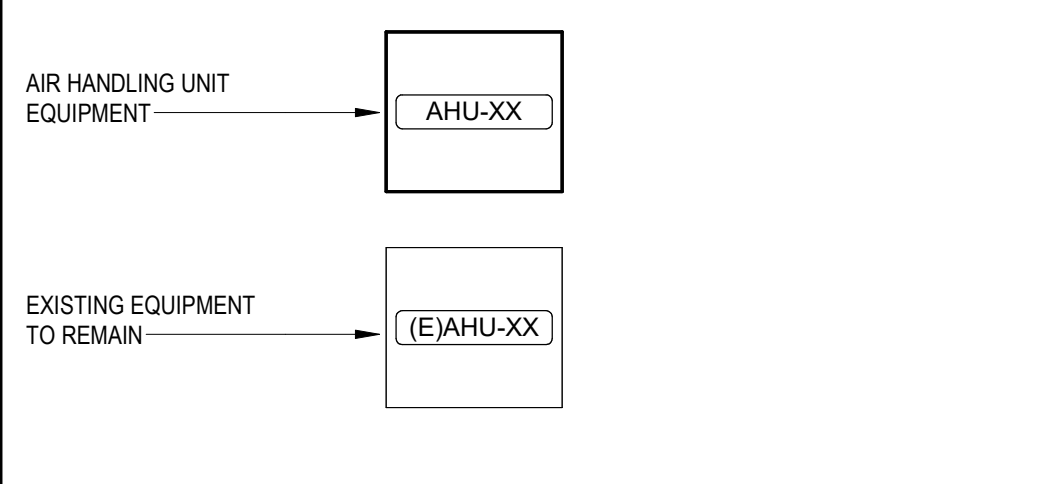
HVAC SYMBOLS



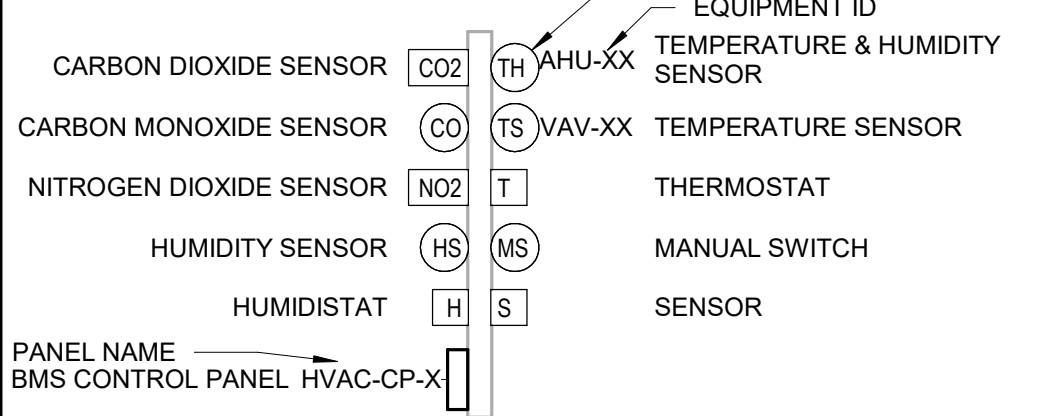
GRILLES, REGISTERS & DIFFUSERS TAG



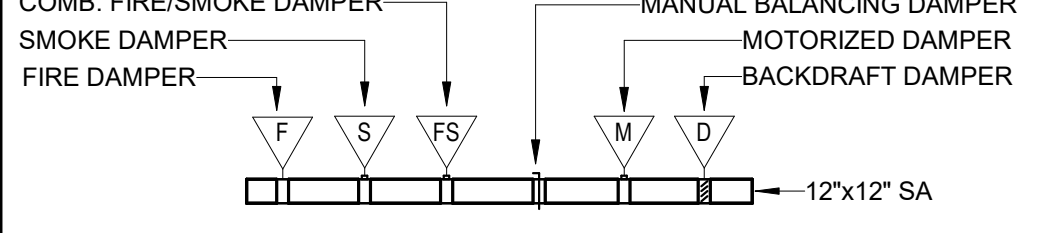
MECHANICAL EQUIPMENT TAGS



DATA DEVICE TAGS



DAMPERS

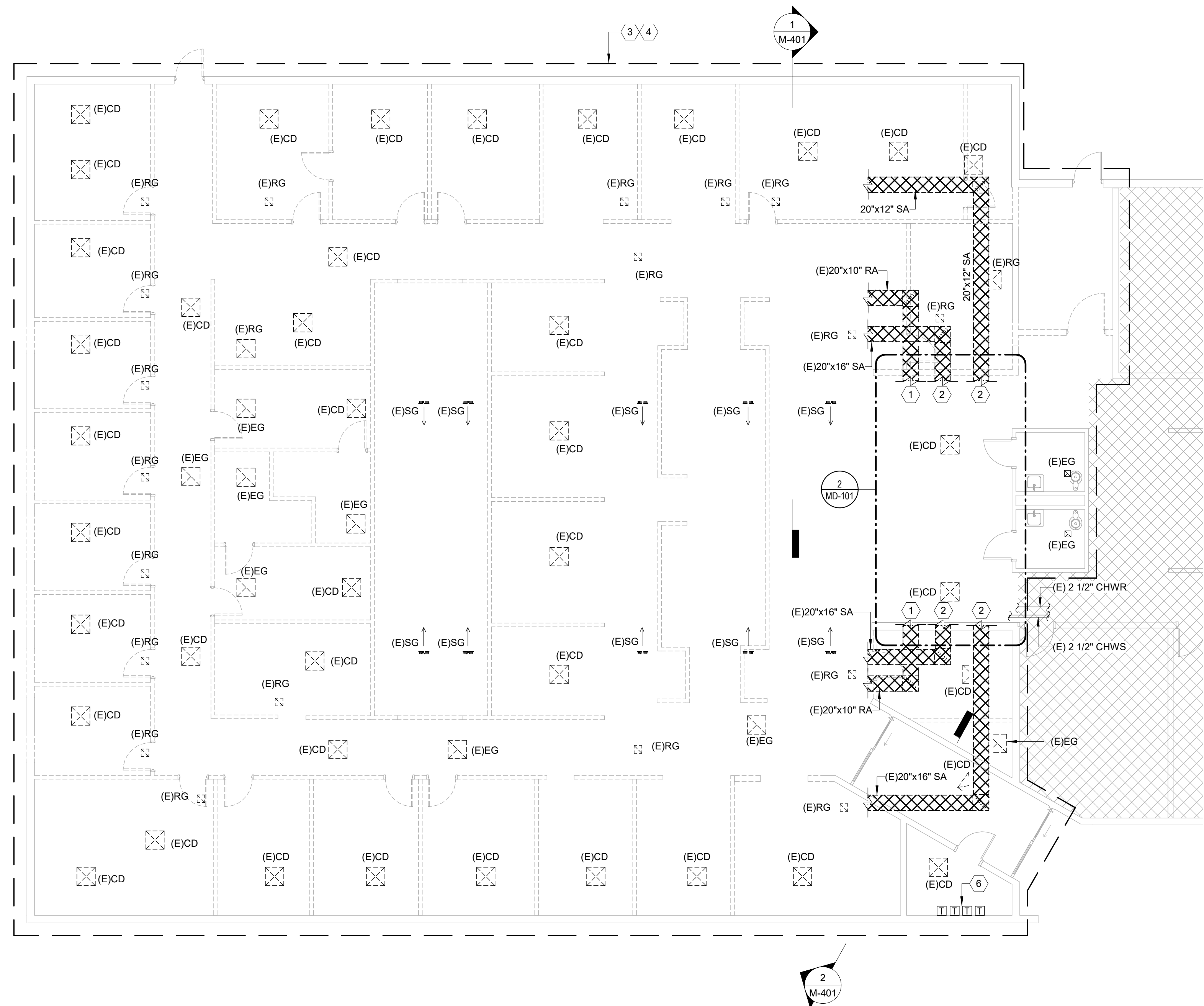


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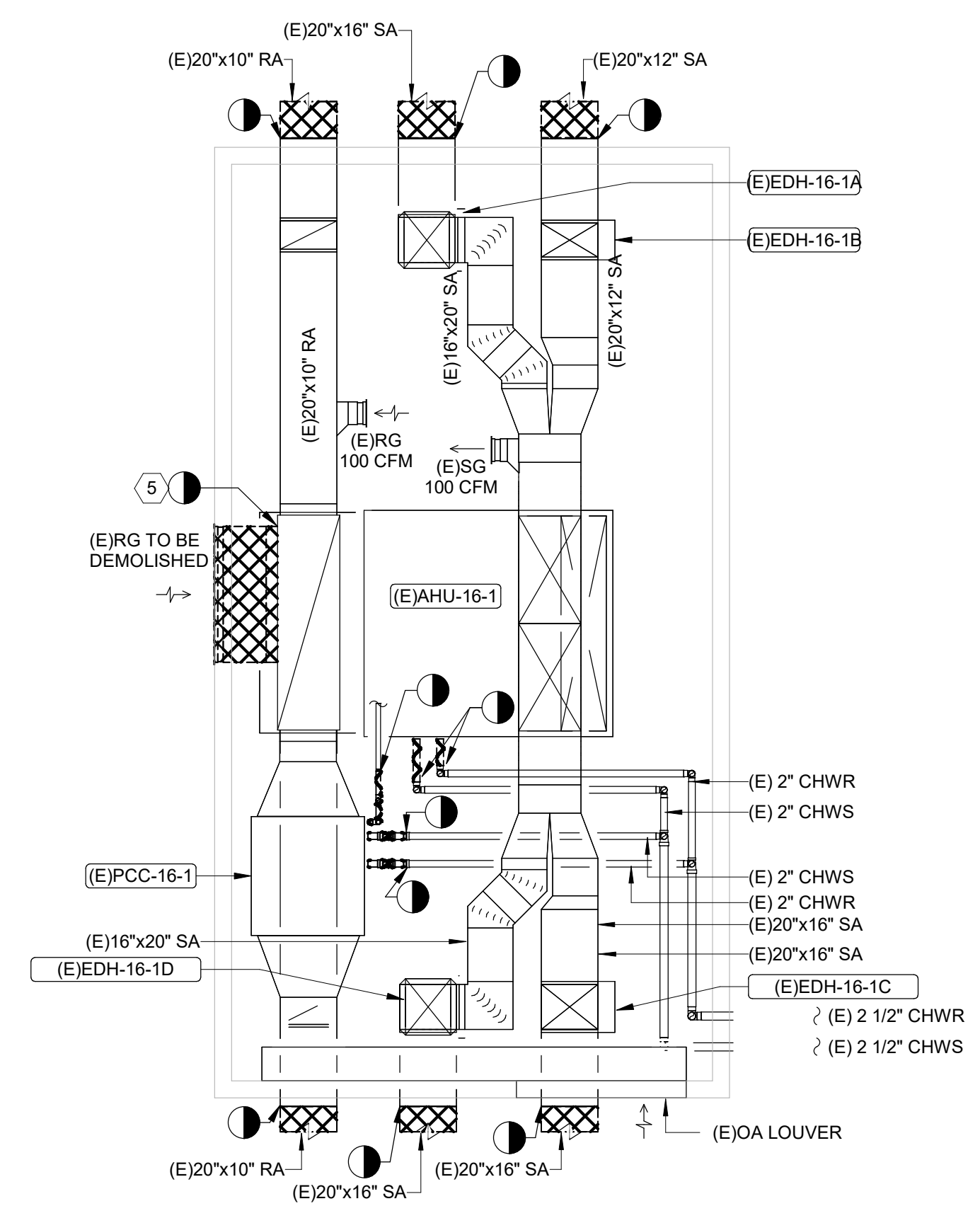
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

- GENERAL NOTES**
- EXISTING EQUIPMENT, DUCTWORK, PIPING, DIFFUSERS, GRILLES, AND ASSOCIATED COMPONENTS SHOWN ON DRAWINGS ARE APPROXIMATE LOCATIONS AND ARE PROVIDED FOR REFERENCE USE ONLY. FIELD VERIFY AND COORDINATE WITH EXACT LOCATIONS, ELEVATIONS, SIZES, AND CONDITIONS OF EXISTING COMPONENTS.
 - ALL EXISTING EQUIPMENT TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - PATCH ALL HOLES THROUGH WALLS, FLOORS, AND ROOFS TO MATCH EXISTING CONSTRUCTION.

- KEYNOTES**
- DEMOLISH RETURN DUCTWORK BACK TO MEZZANINE MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
 - DEMOLISH SUPPLY DUCTWORK BACK TO MEZZANINE MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
 - ALL EXISTING MECHANICAL SYSTEMS SHALL BE DEMOLISHED IN AREA INDICATED INCLUDING BUT NOT LIMITED TO ALL DUCTWORK, PIPING, CEILING DIFFUSERS AND GRILLES, HANGERS AND SUPPORTS, ACCESSORIES, ETC.
 - EXISTING EXHAUST DUCTWORK AND ASSOCIATED COMPONENTS SERVING AREA INDICATED SHALL BE DEMOLISHED BACK TO ASSOCIATED EXHAUST FAN ON ROOF. CAP, SEAL, AND INSULATE EXISTING DUCTWORK AND ABANDON IN PLACE EXISTING ROOF EXHAUST FAN.
 - DEMOLISH EXISTING RETURN GRILLE AND RETURN DUCTWORK BACK TO EXISTING MAIN. CAP, SEAL, AND INSULATE OPENING TO MATCH EXISTING DUCTWORK.
 - EXISTING THERMOSTAT FOR EDH-16-1B SHALL BE RELOCATED. REFER TO 1/MH-101 FOR NEW LOCATION. ALL OTHER EXISTING THERMOSTATS SHALL REMAIN IN CURRENT LOCATION.



1 PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1
1/8" = 1'-0"



2 ENLARGED PLAN - MEZZANINE PLAN - MECHANICAL DEMOLITION
1/4" = 1'-0"

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PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1

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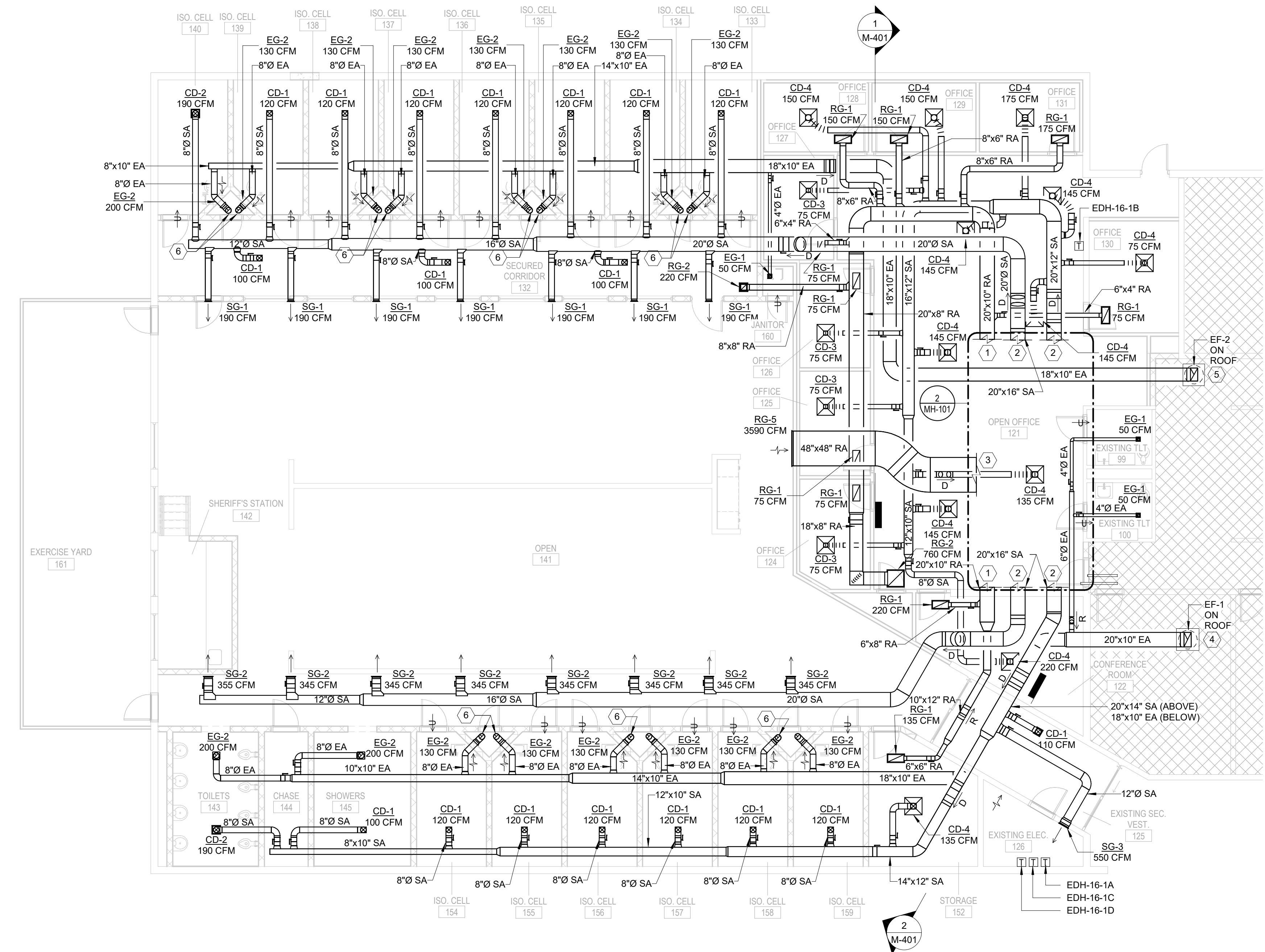
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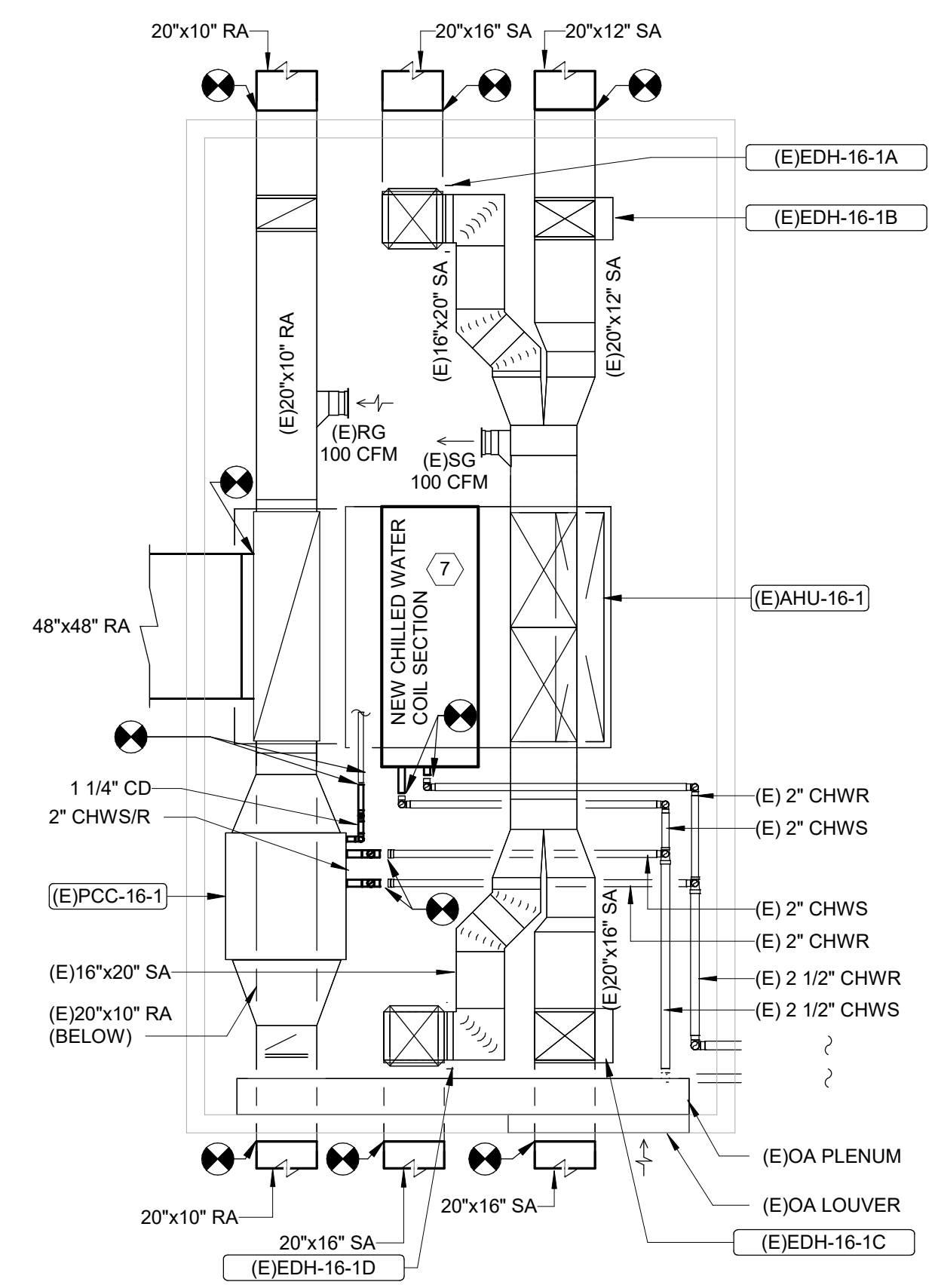
MD-101

- GENERAL NOTES**
- A. COORDINATE ALL DIFFUSER LOCATIONS WITH ARCHITECTURAL DRAWINGS AS WELL AS ALL OTHER TRADES.
 - B. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, AND FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - C. CONTRACTOR SHALL MAKE DUCT ROUTING ADJUSTMENTS AS NECESSARY TO MEET FIELD CONDITIONS.
 - D. CONTRACTOR SHALL REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUCT PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO FINAL PUNCH.
 - E. ALL ROOF MOUNTED EXHAUST EQUIPMENT (EF-1 & EF-2) SHALL BE LOCATED AT LEAST 10'-0" AWAY FROM ALL OUTSIDE AIR INTAKES.
 - F. ALL EXISTING EQUIPMENT TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - G. THERMOSTATS SHALL NOT BE LOCATED ON WALL IN DIRECT THROW PATH OF SUPPLY CEILING DIFFUSERS.

- KEYNOTES**
- 1 CONNECT TO EXISTING RETURN DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
 - 2 CONNECT TO EXISTING SUPPLY DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
 - 3 48" x 48" RETURN DUCTWORK SHALL BE CONNECTED TO EXISTING RETURN PLENUM IN MEZZANINE MECHANICAL ROOM. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
 - 4 20" x 10" EXHAUST DUCT UP TO EF-1 ON ROOF. TRANSITION TO FULL SIZE OF UNIT OPENING IN VERTICAL.
 - 5 18" x 10" EXHAUST DUCT UP TO EF-2 ON ROOF. TRANSITION TO FULL SIZE OF UNIT OPENING IN VERTICAL.
 - 6 INSTALL MANUAL DAMPER IN VERTICAL TO BE ACCESSIBLE FROM CHASE.
 - 7 NEW CHILLED WATER COIL SECTION SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. GENERAL CONTRACTOR SHALL EXTEND AHU CONCRETE PAD AS REQUIRED TO ACCOMMODATE WIDER COIL SECTION FOOTPRINT. NEW 2" CHILLED WATER SUPPLY AND RETURN, AND 1 1/4" CONDENSATE DRAINAGE SHALL BE INSTALLED AS REQUIRED TO CONNECT EXISTING PIPING SYSTEMS TO NEW CHILLED WATER COIL AND DRAIN PAN.



1 PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1
1/8" = 1'-0"



2 ENLARGED PLAN - MEZZANINE PLAN - MECHANICAL DUCTWORK
1/4" = 1'-0"

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PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1

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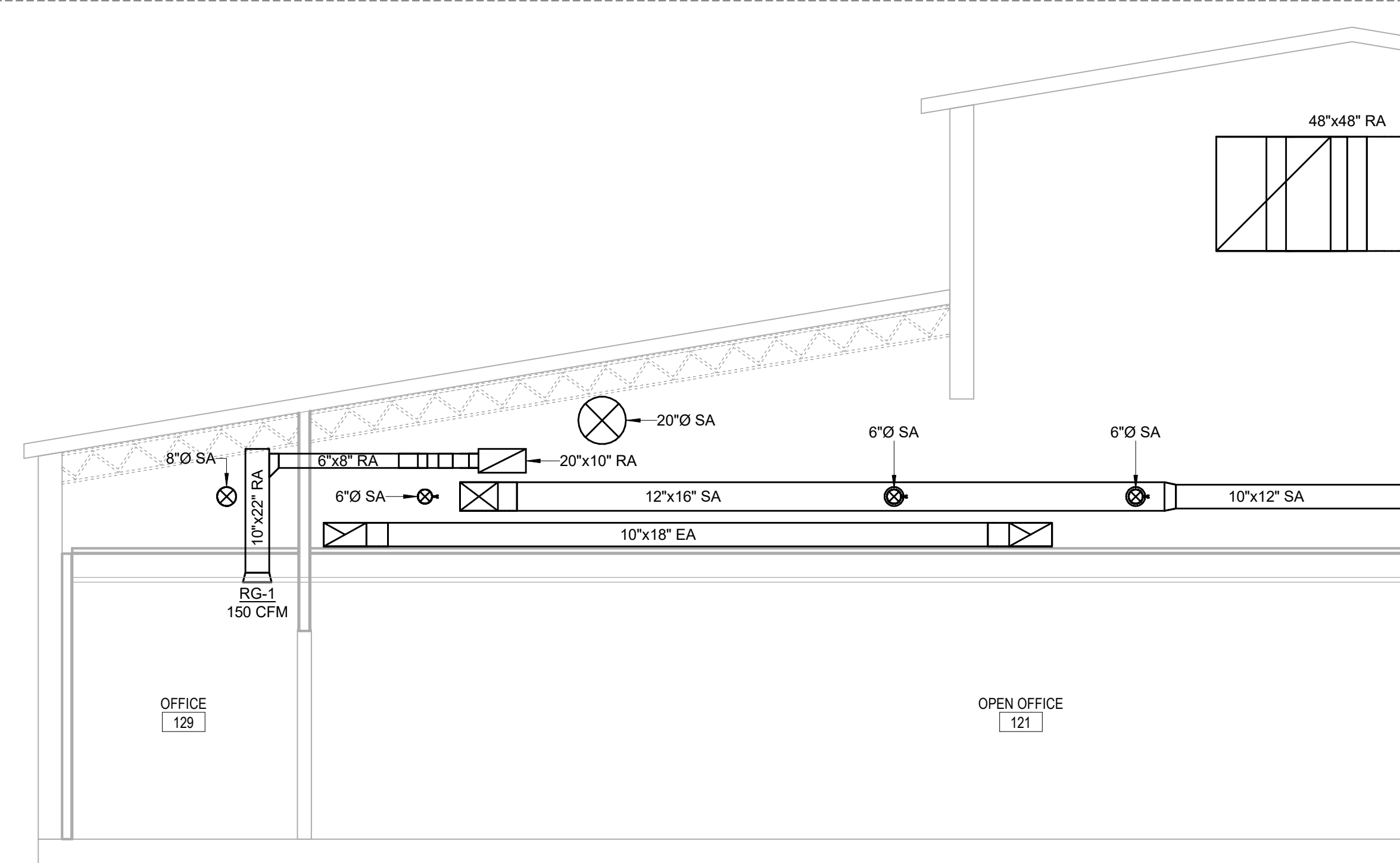
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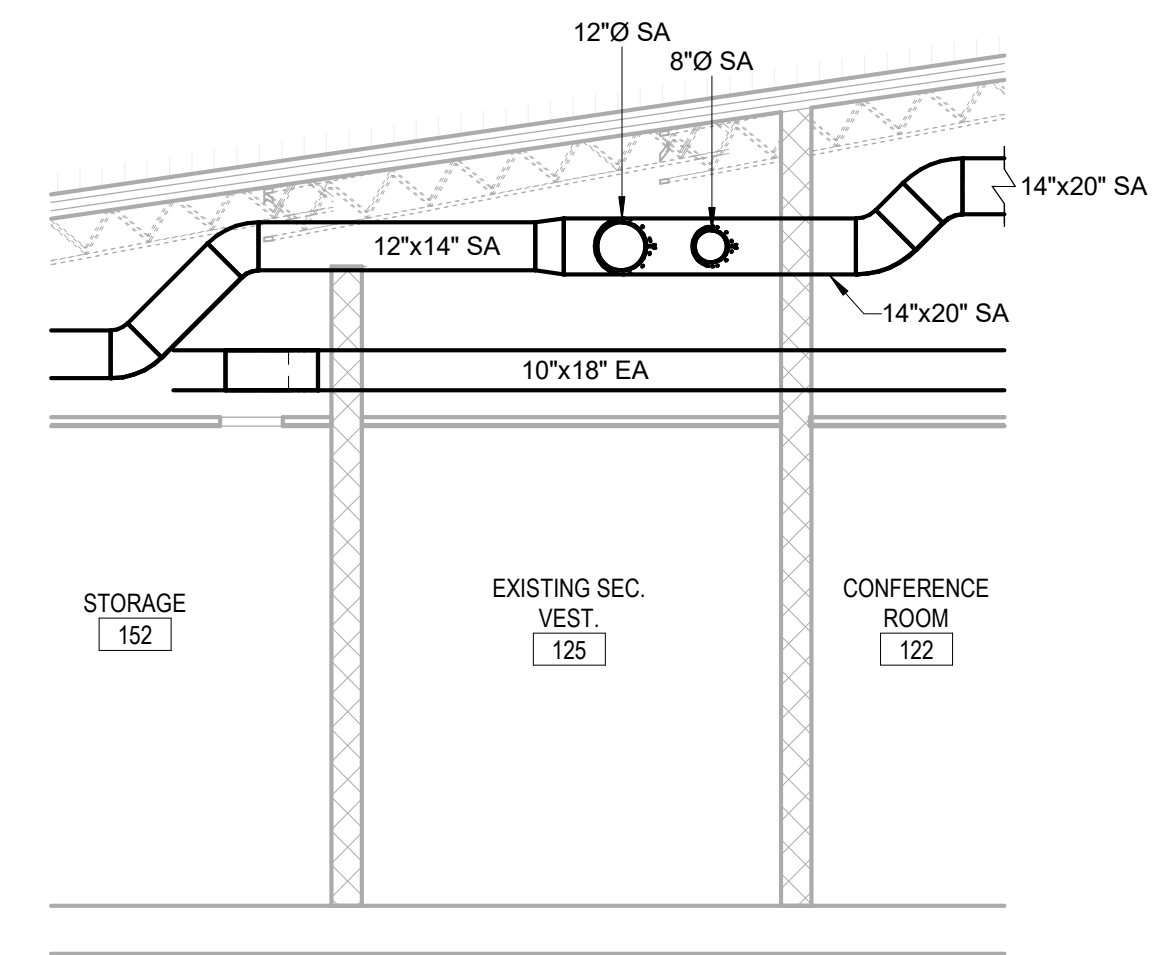
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MH-101



1 SECTION VIEW - OFFICE SPACE CEILING COORDINATION
1/4" = 1'-0"



2 SECTION VIEW - SECURED VESTIBULE CEILING COORDINATION
1/4" = 1'-0"

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MECHANICAL SECTION VIEWS

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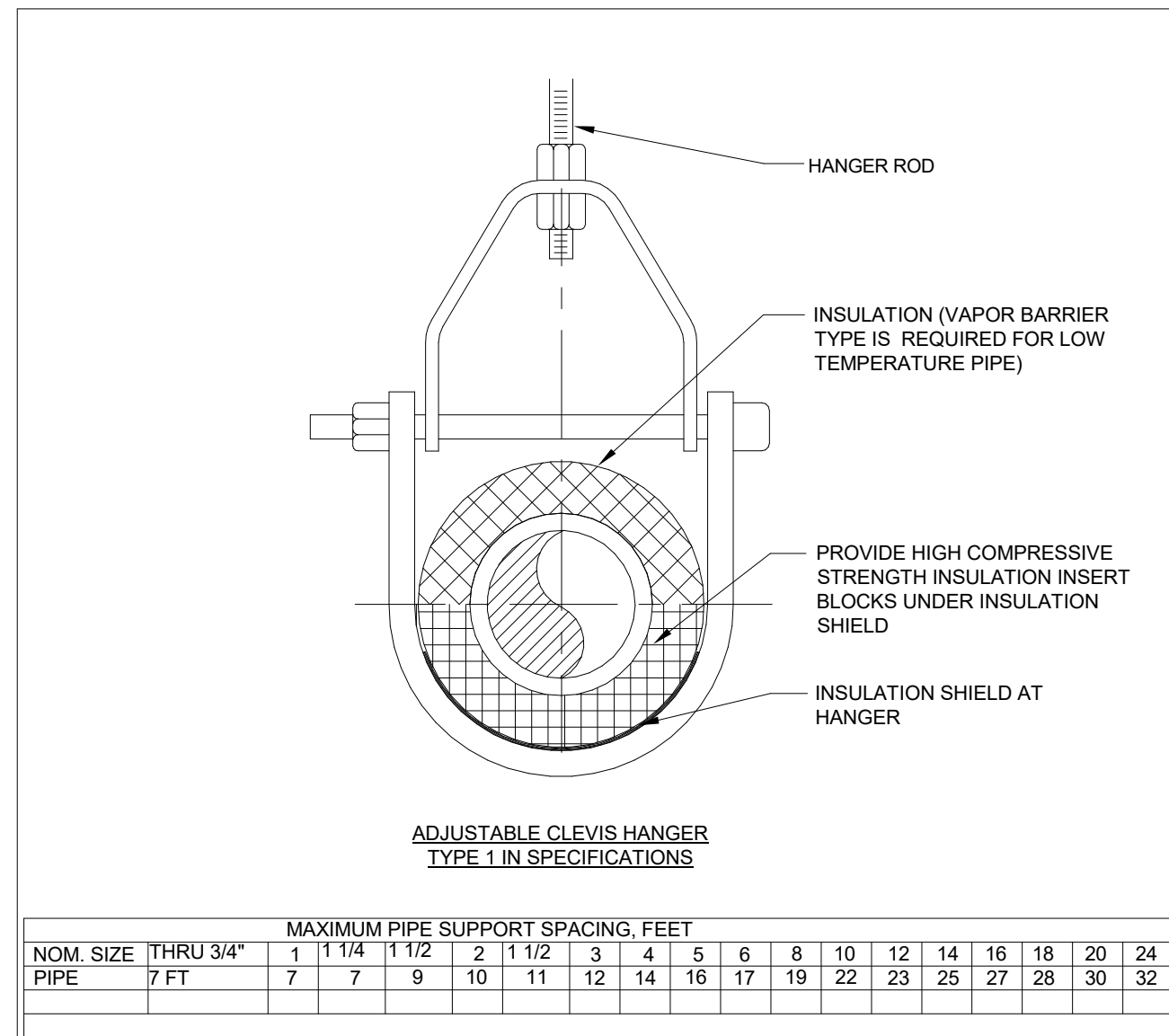
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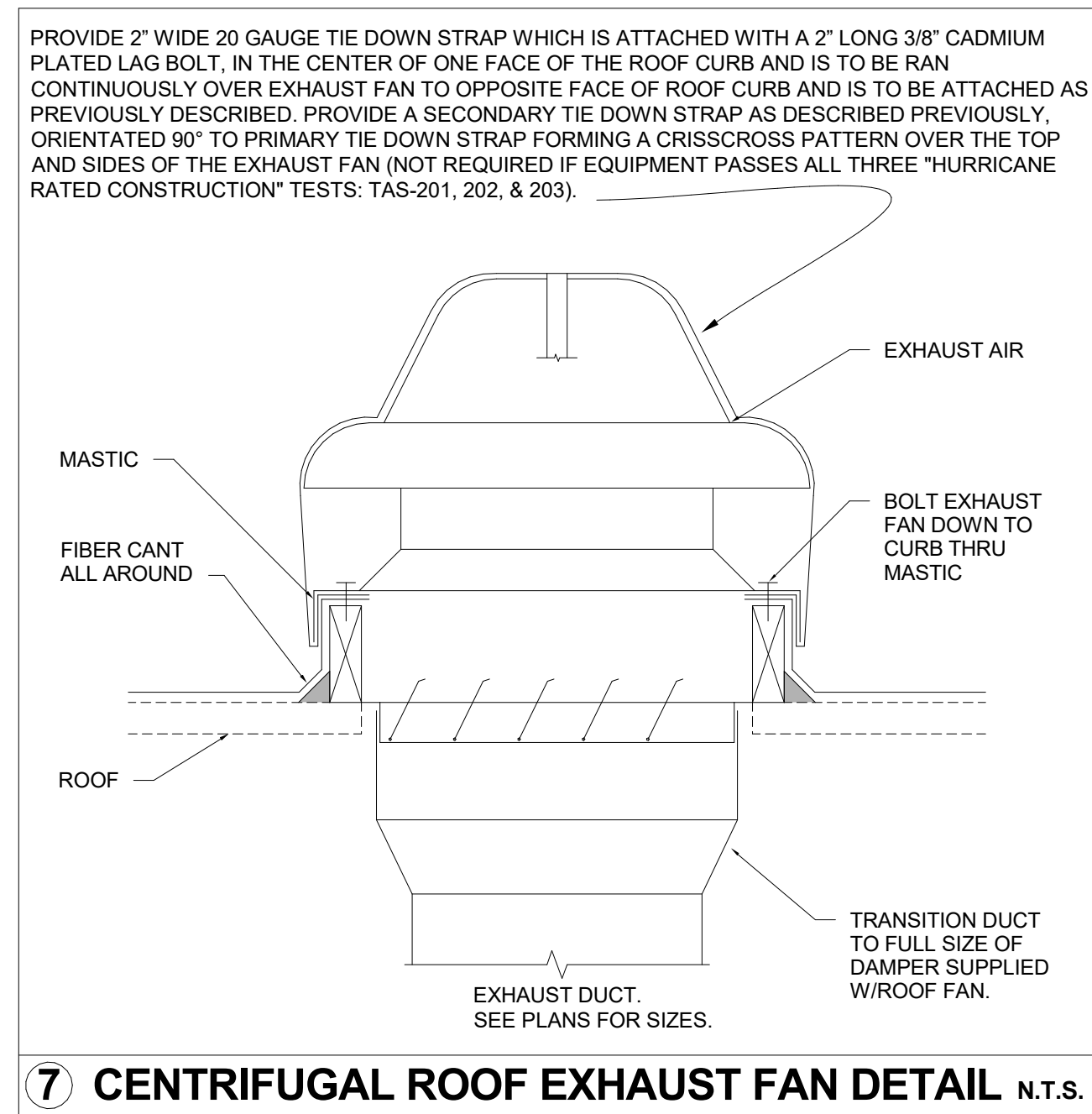
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M-401

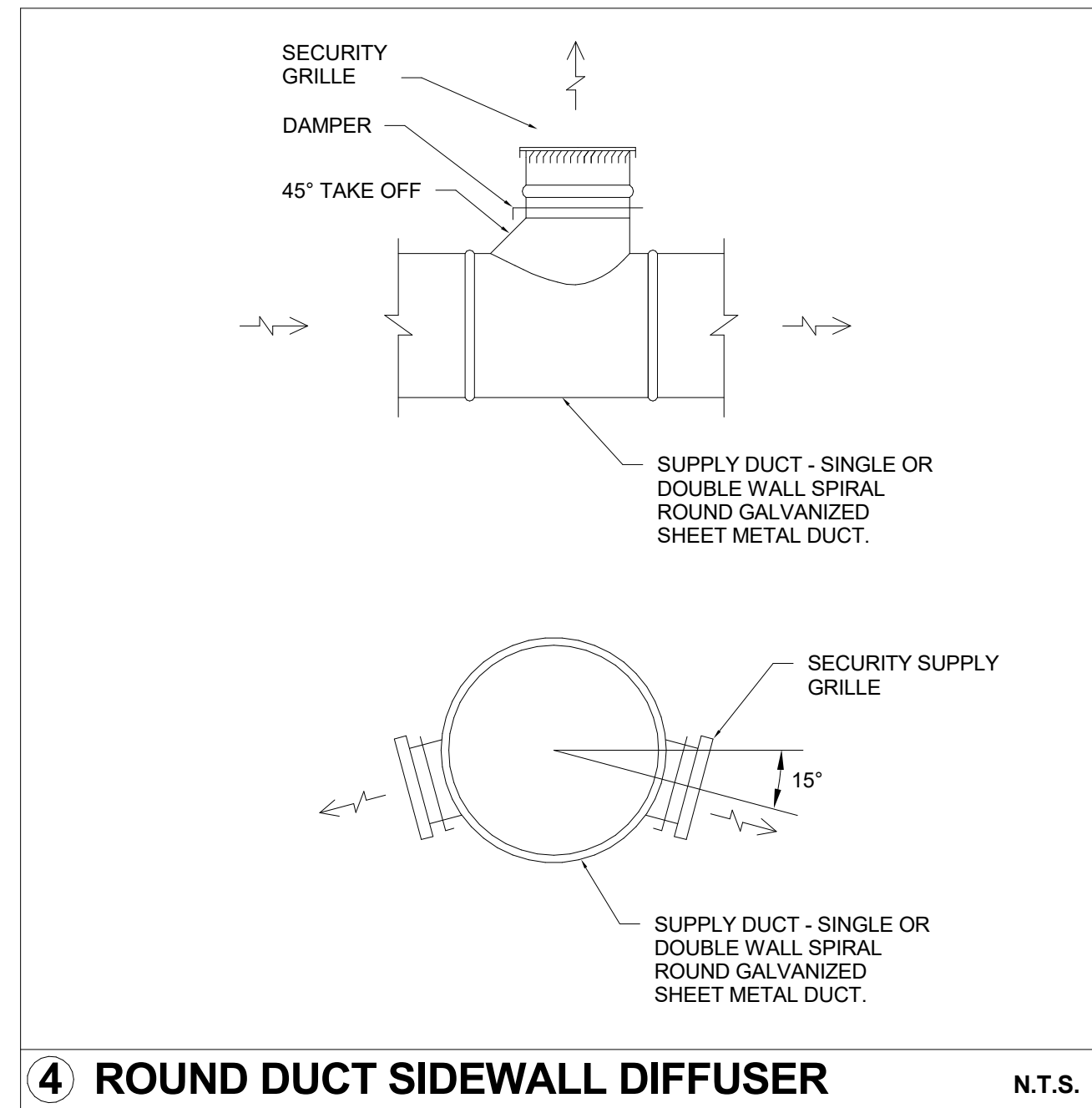


MAXIMUM PIPE SUPPORT SPACING, FEET	
NOM. SIZE THRU 3/4"	1 1 1/4
PIPE	7 7 9 10 11 12 14 16 17 19 22 23 25 27 28 30 32

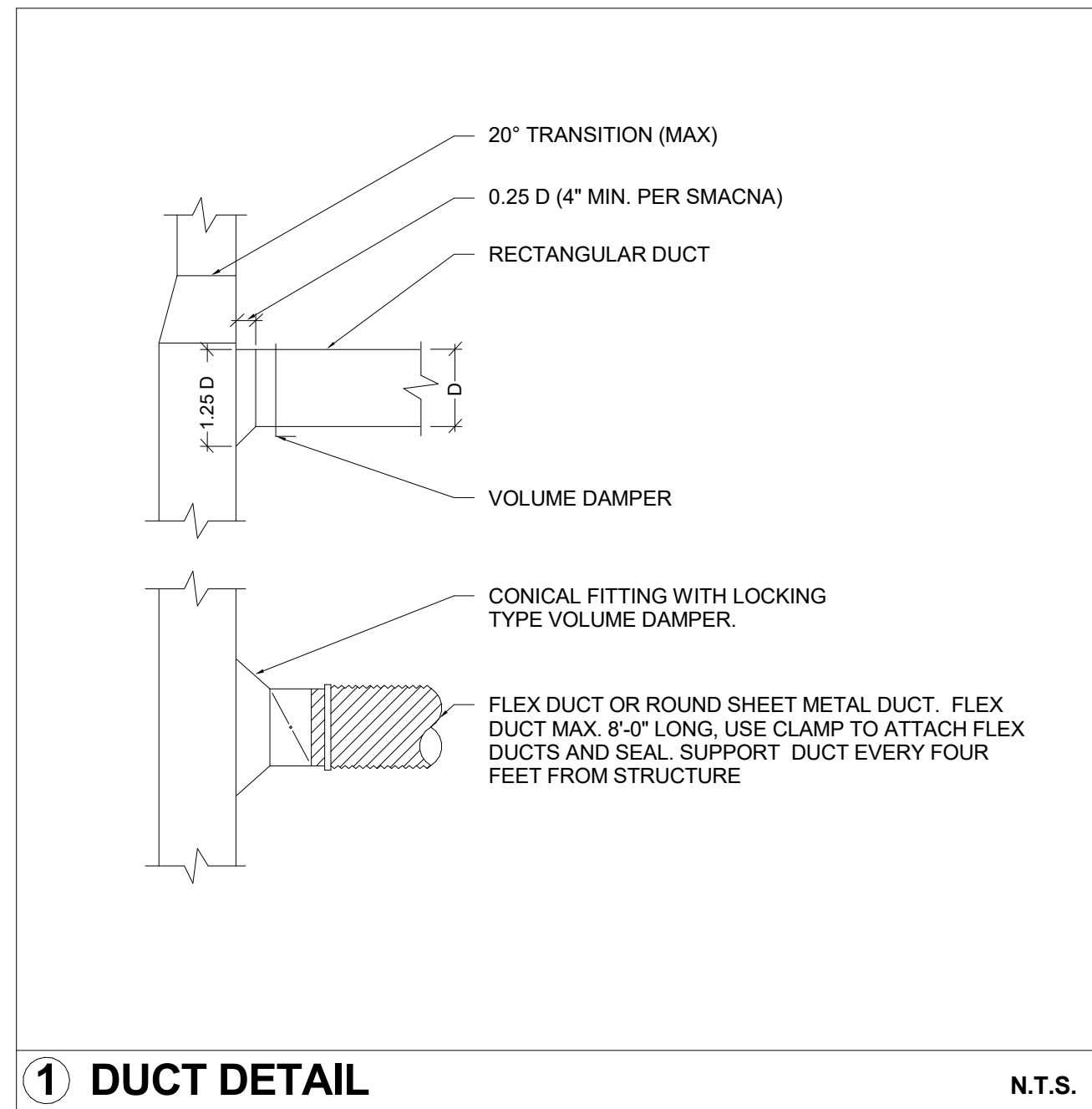
10 PIPE HANGER DETAIL N.T.S.



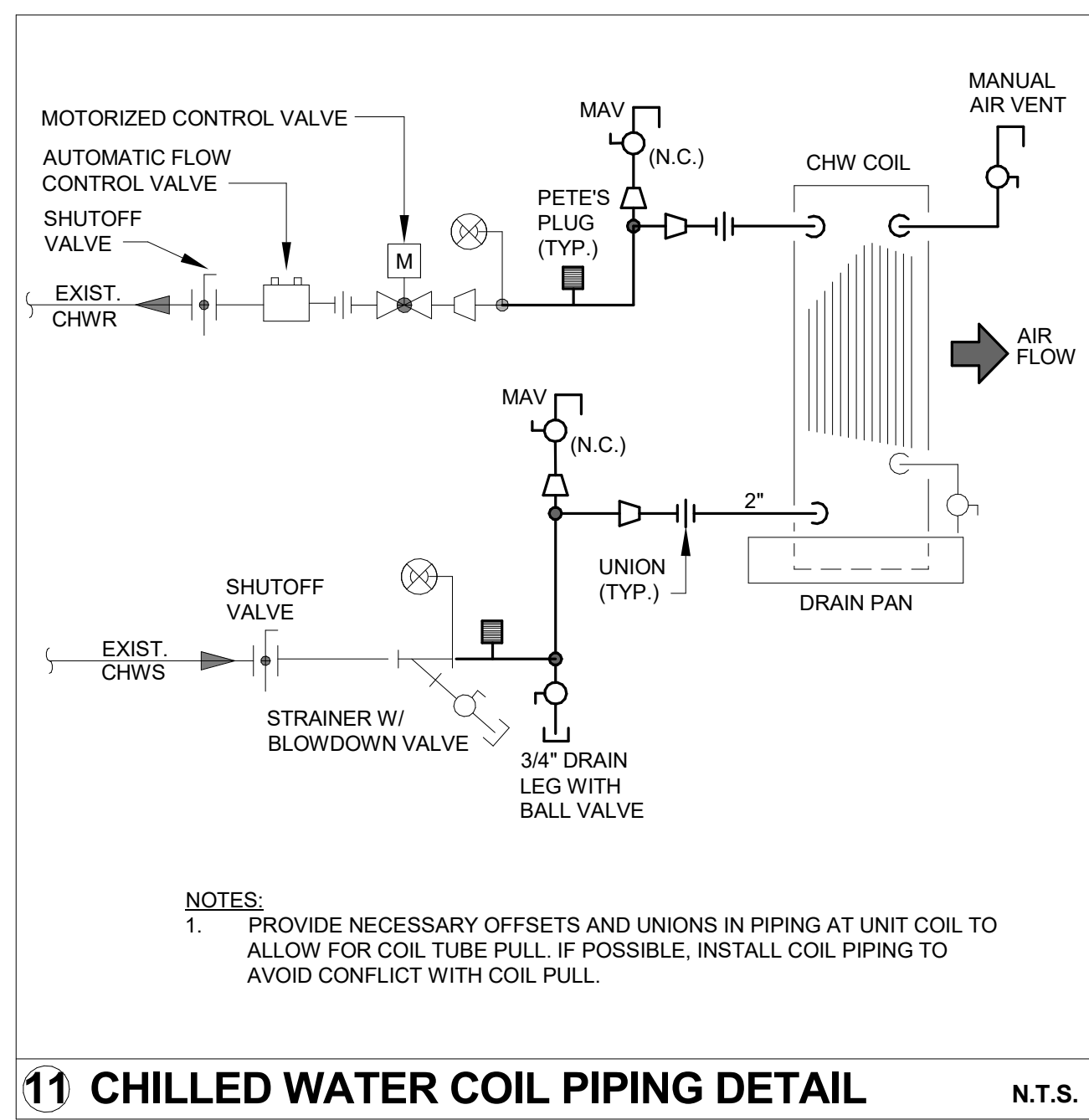
7 CENTRIFUGAL ROOF EXHAUST FAN DETAIL N.T.S.



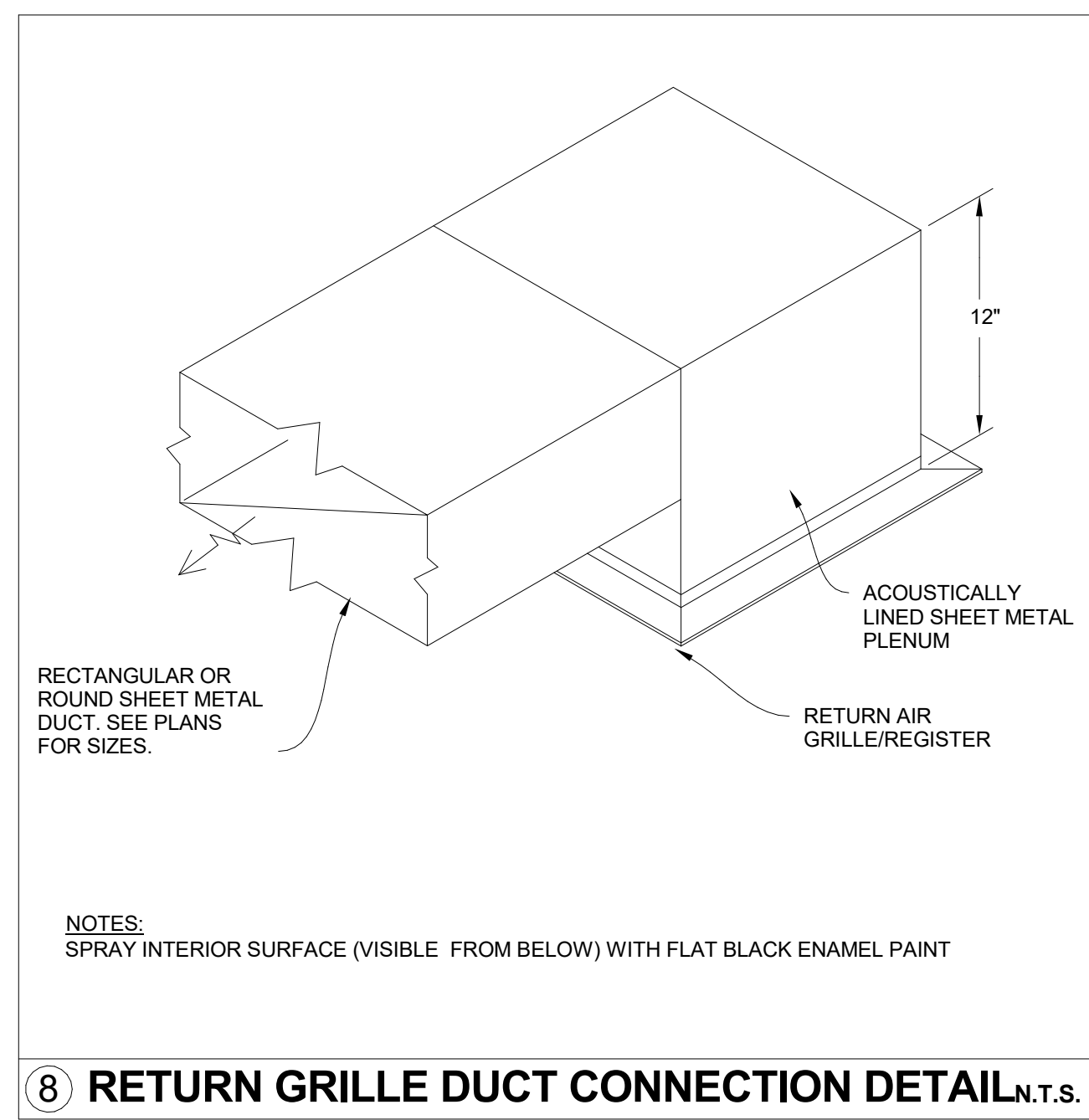
4 ROUND DUCT SIDEWALL DIFFUSER N.T.S.



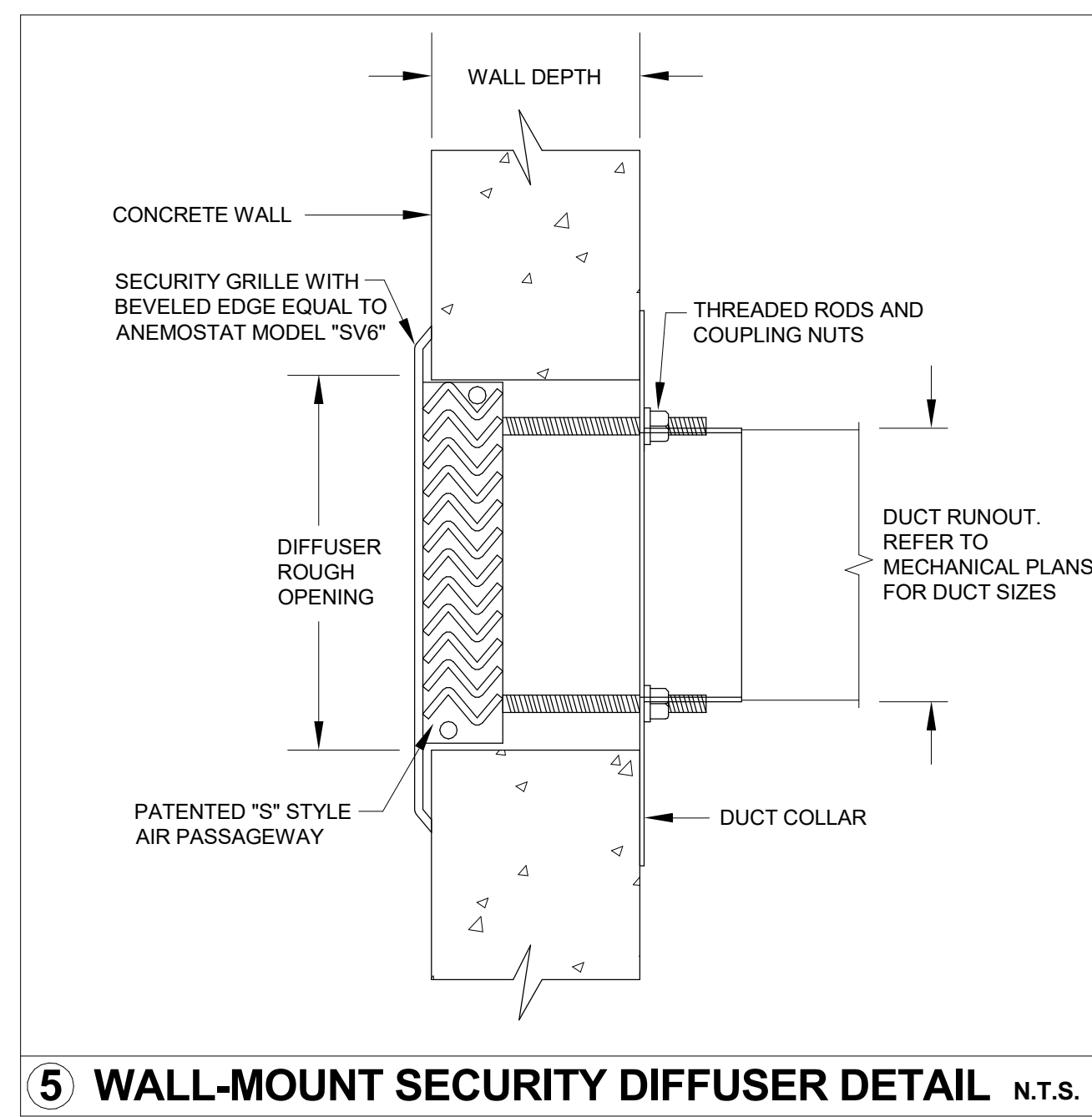
1 DUCT DETAIL N.T.S.



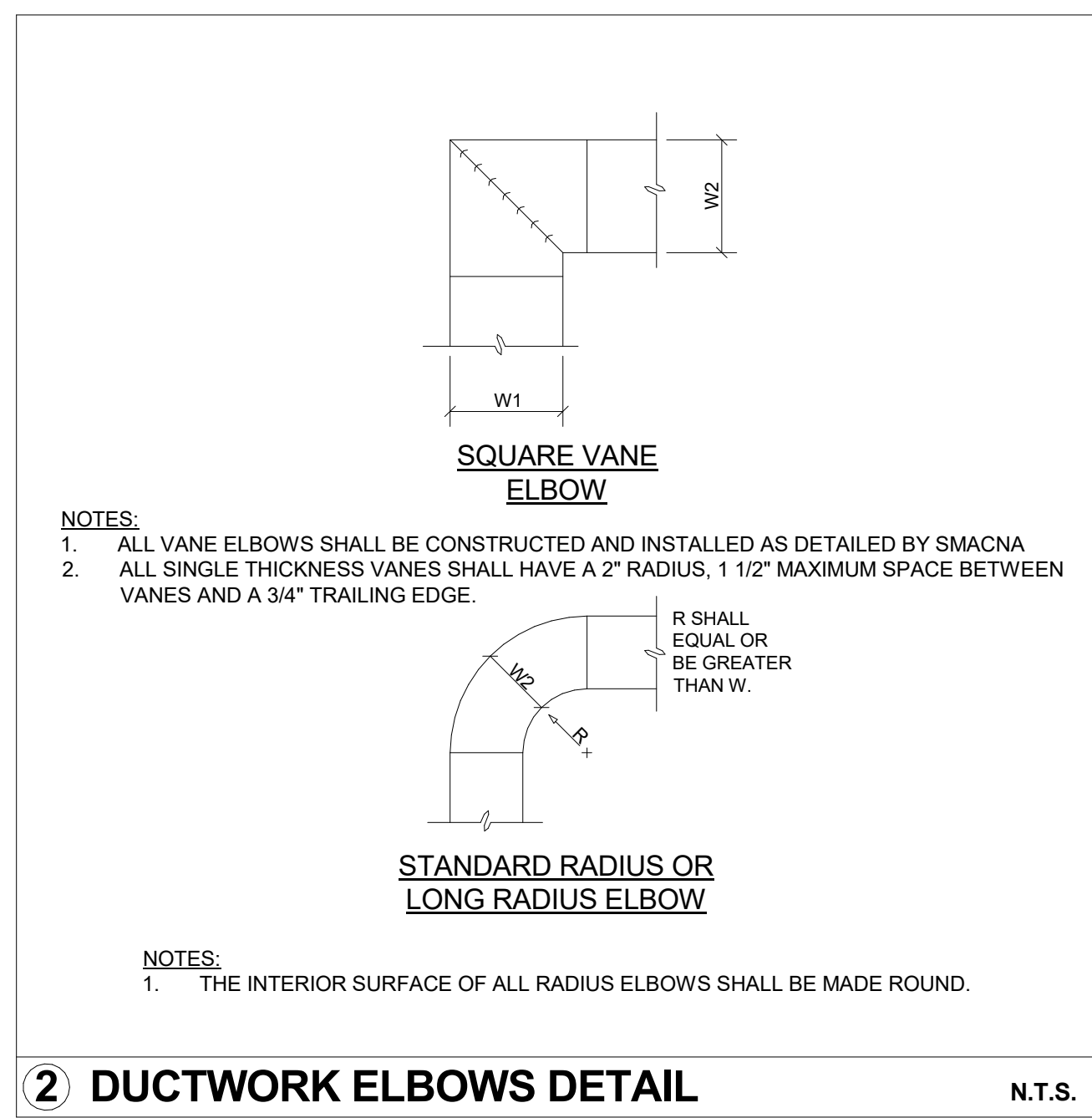
11 CHILLED WATER COIL PIPING DETAIL N.T.S.



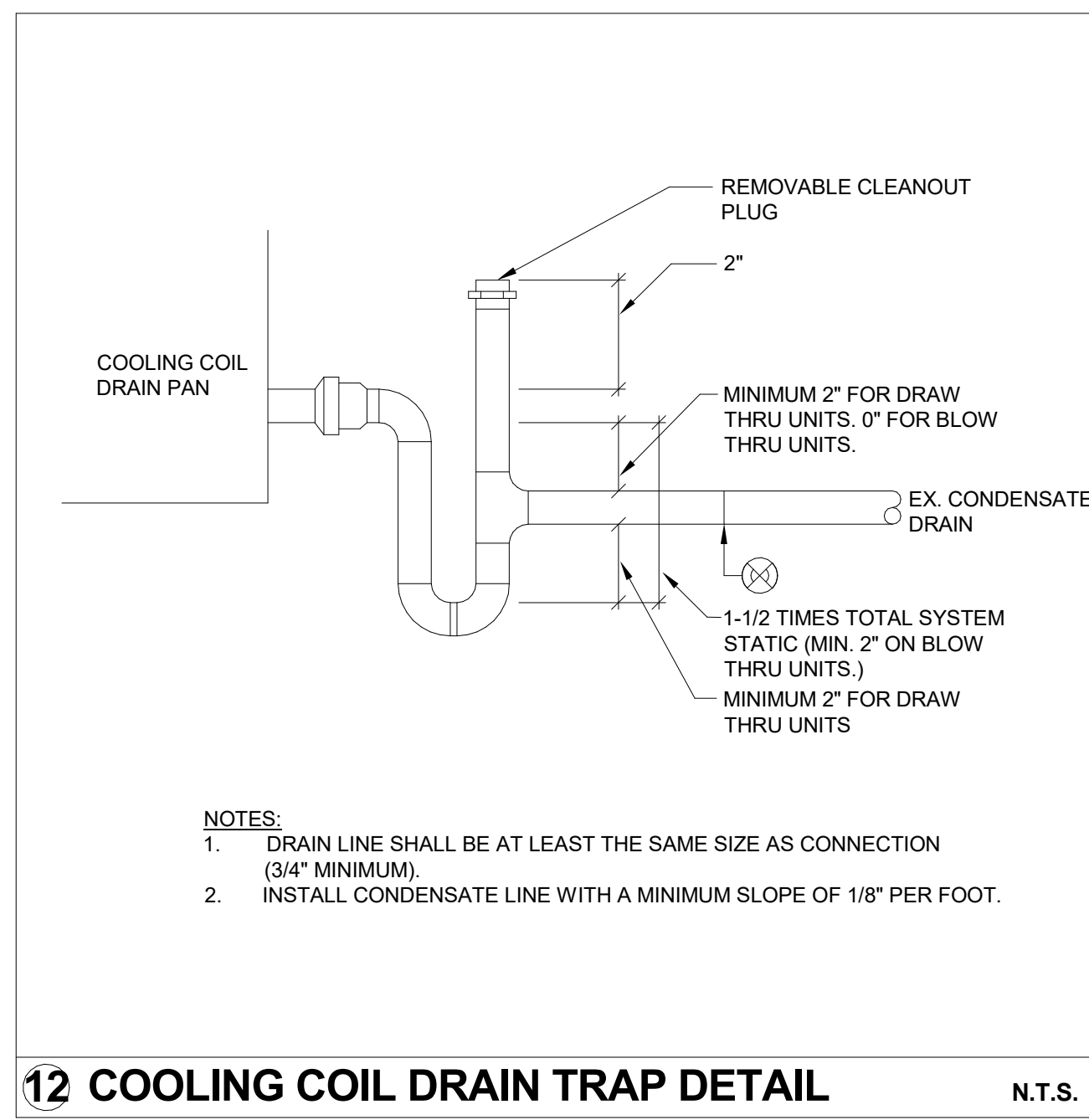
8 RETURN GRILLE DUCT CONNECTION DETAIL N.T.S.



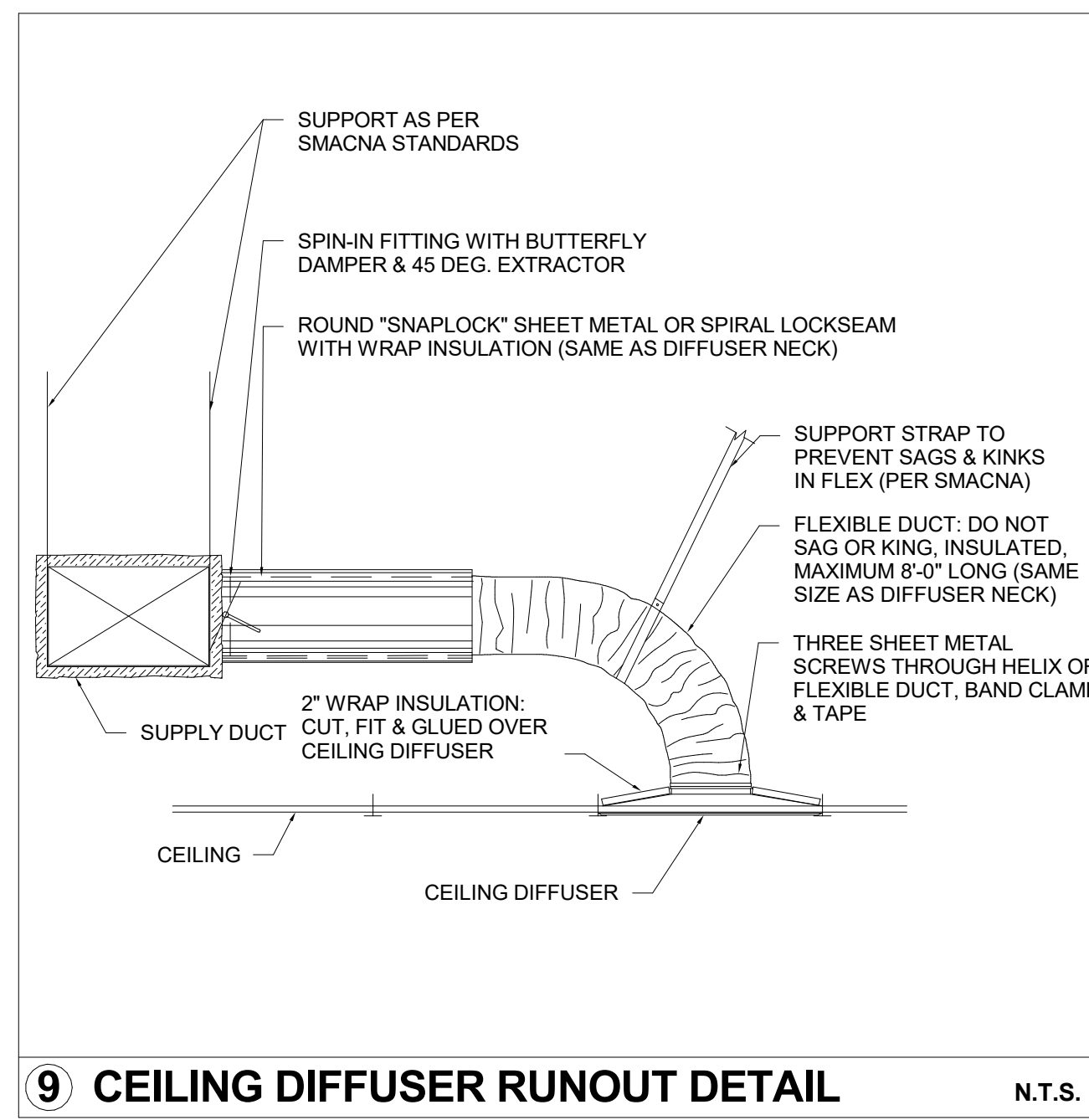
5 WALL-MOUNT SECURITY DIFFUSER DETAIL N.T.S.



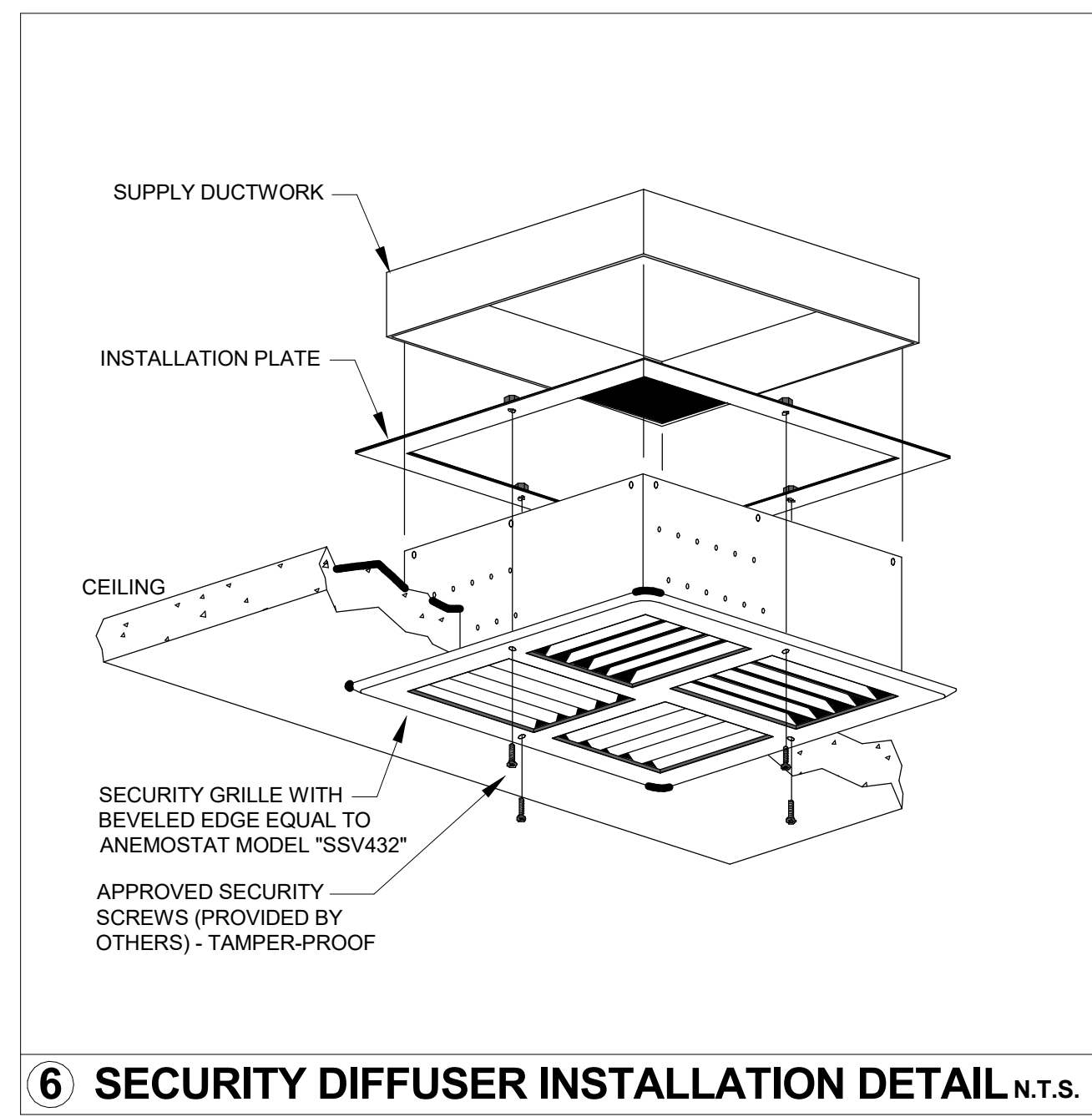
2 DUCTWORK ELBOWS DETAIL N.T.S.



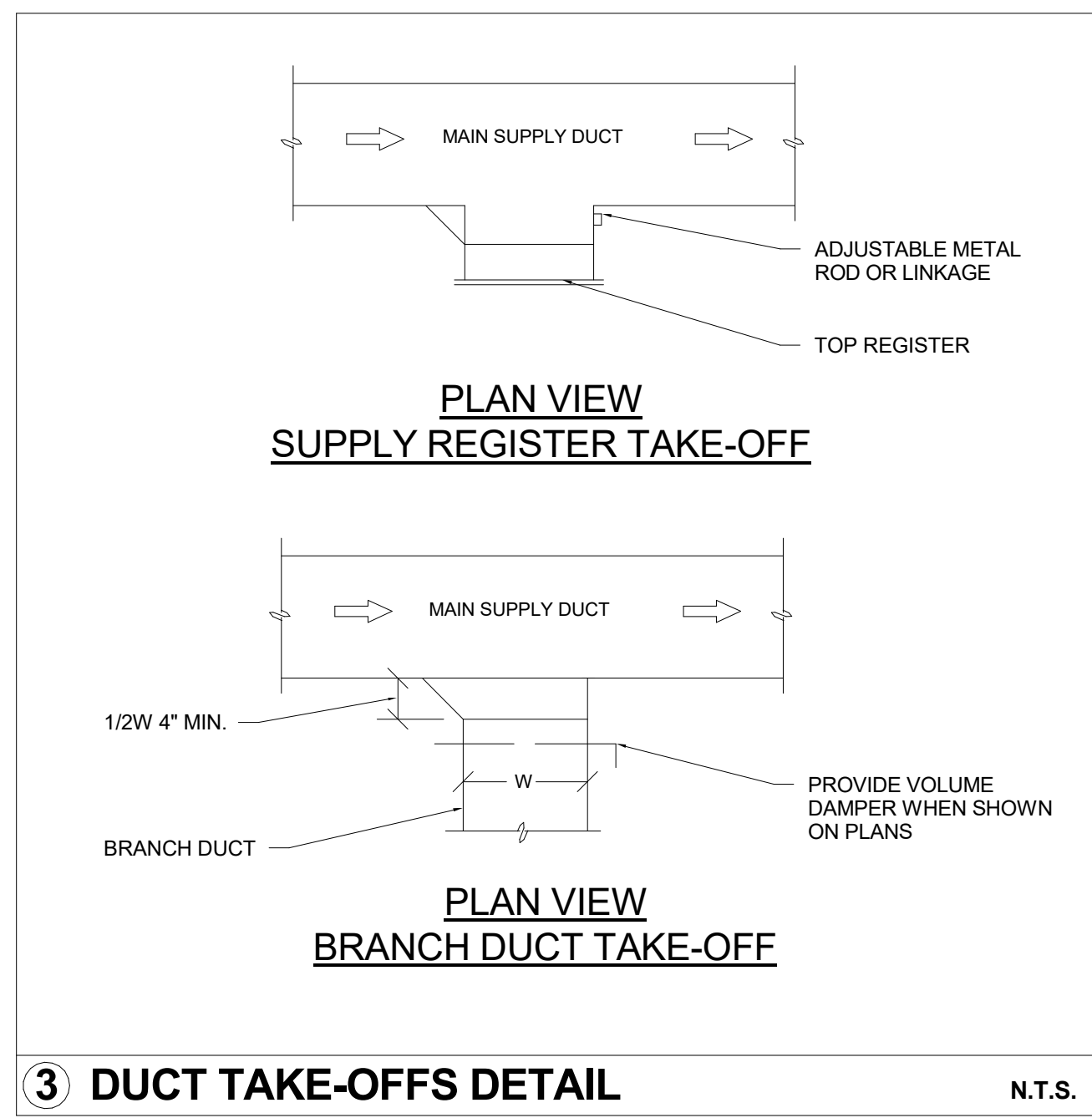
12 COOLING COIL DRAIN TRAP DETAIL N.T.S.



9 CEILING DIFFUSER RUNOUT DETAIL N.T.S.



6 SECURITY DIFFUSER INSTALLATION DETAIL N.T.S.



3 DUCT TAKE-OFFS DETAIL N.T.S.

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MECHANICAL DETAILS

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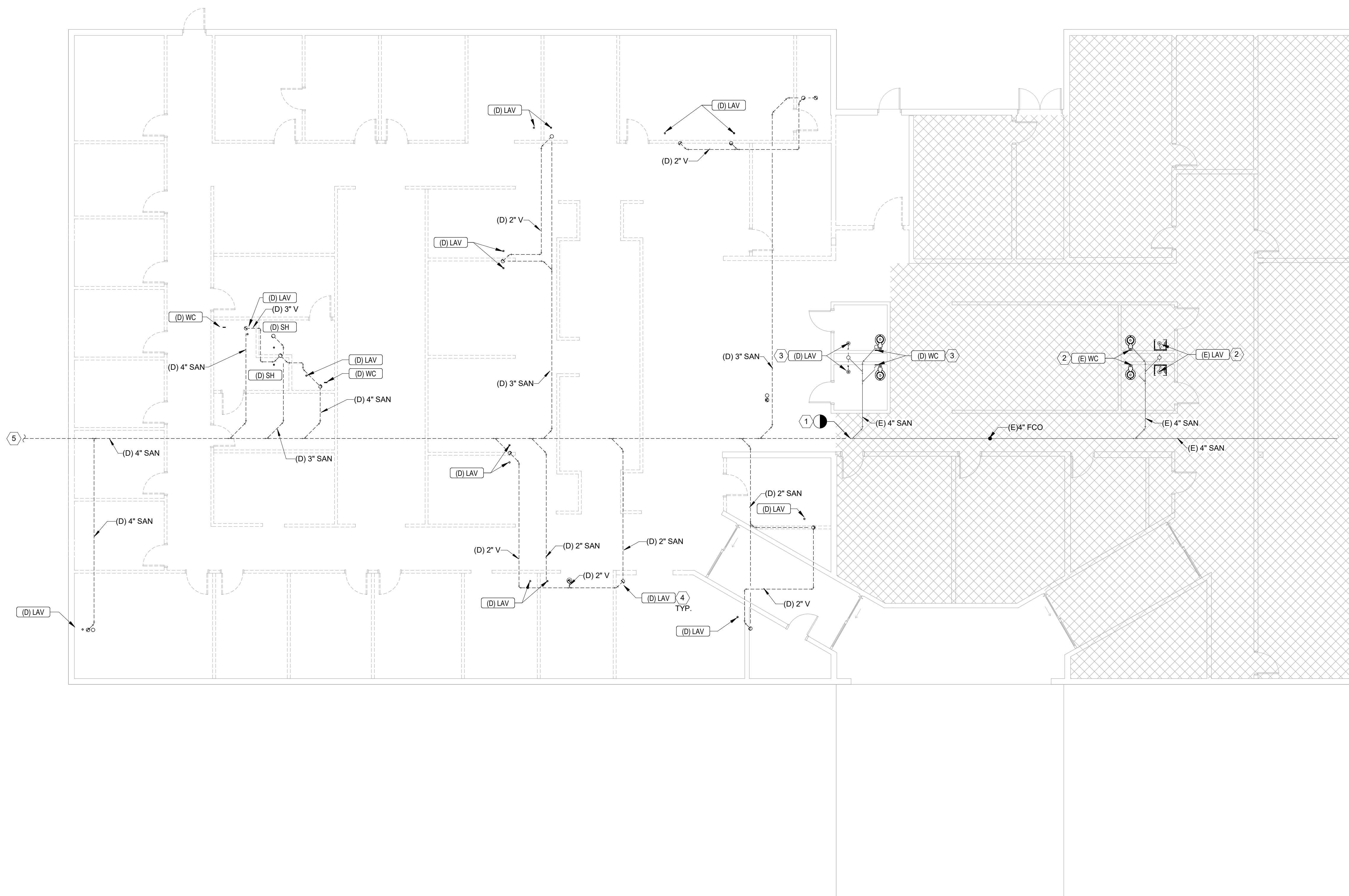
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M-501

- KEYNOTES**
- 1 REMOVE AND PROPERLY DISPOSE OF 4" SANITARY PIPING FROM LIMIT OF DEMOLITION BACK TO CITY MAIN. REFER TO CIVIL FOR MORE INFORMATION.
 - 2 NOTED PLUMBING FIXTURES EXISTING TO REMAIN.
 - 3 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES.
 - 4 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING.
 - 5 EXISTING 4" SANITARY PIPE SHALL BE DEMOLISHED BACK TO EXISTING MAIN SANITARY SEWER LINE UNDERGROUND. REFER TO CIVIL FOR CONTINUATION.

- PLUMBING GENERAL NOTES**
- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - B. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
 - C. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
 - D. ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - E. PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



1 PLUMBING DEMOLITION PLAN - SANITARY AND VENT
1/8" = 1'-0"

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PLUMBING DEMOLITION PLAN - SANITARY AND VENT

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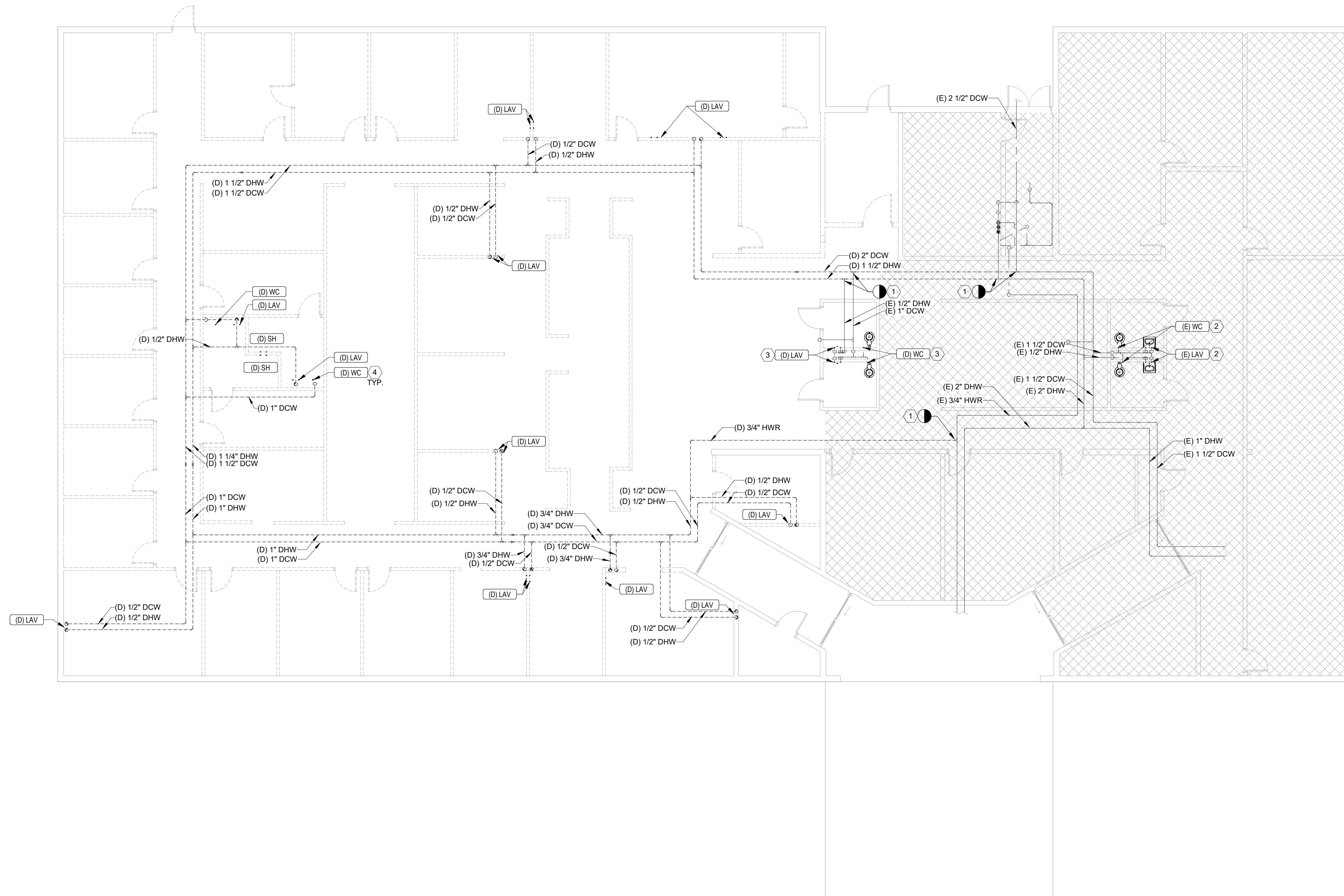
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PD-101

- KEYNOTES**
- 1 REMOVE AND PROPERLY DISPOSE OF EXISTING PIPING BACK TO LIMIT OF DEMOLITION.
 - 2 NOTED PLUMBING FIXTURES EXISTING TO REMAIN.
 - 3 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES.
 - 4 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING.

- PLUMBING GENERAL NOTES**
- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - B. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
 - C. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
 - D. ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - E. PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



1 PLUMBING DEMOLITION PLAN - DOMESTIC WATER
1/8" = 1'-0"

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PLUMBING DEMOLITION PLAN - DOMESTIC WATER

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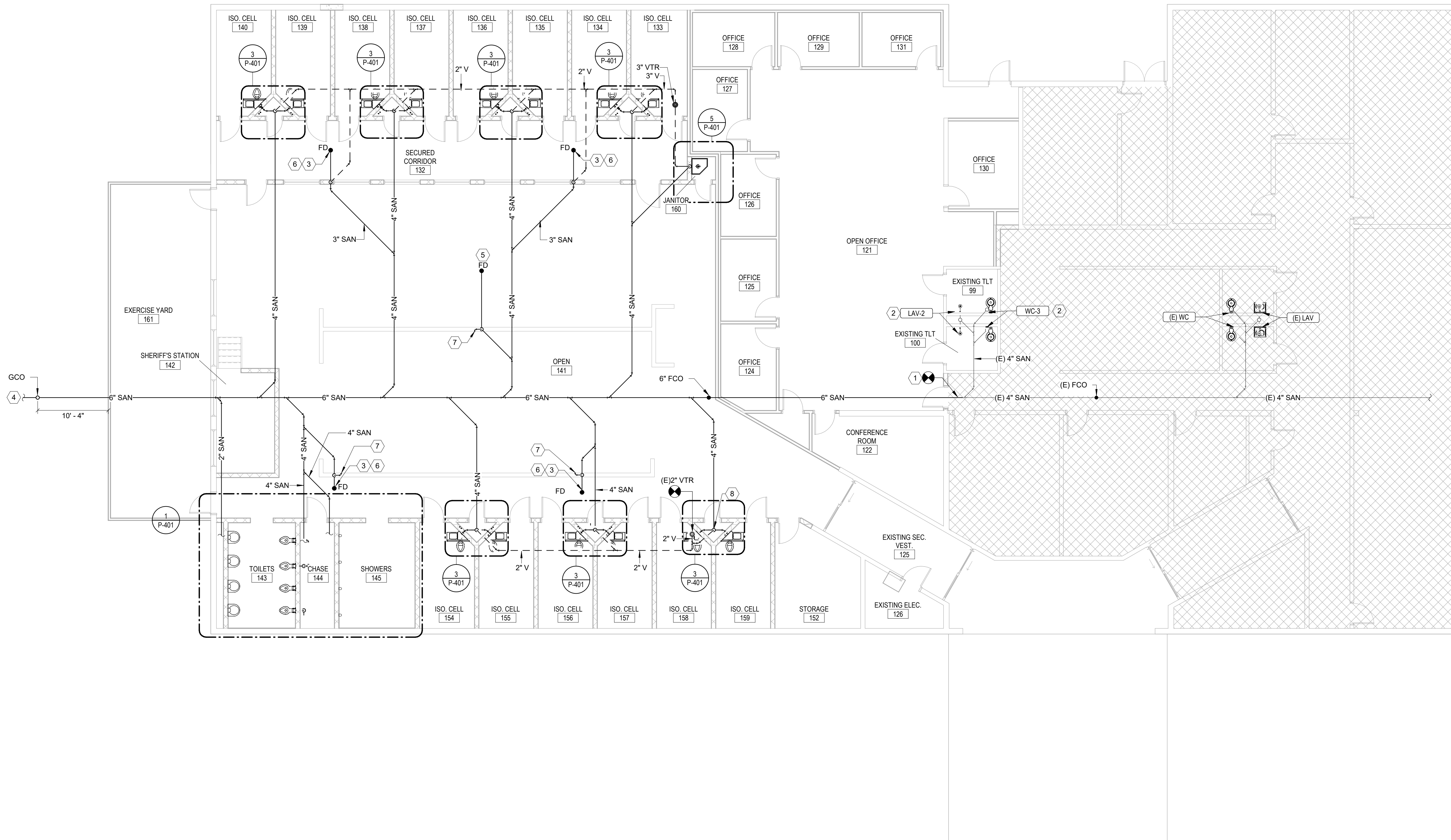
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PD-201

- KEYNOTES**
- 1 CONNECT NEW 6" SANITARY MAIN TO EXISTING 4" MAIN.
 - 2 EXISTING PLUMBING FIXTURES SHALL BE REPLACED. PIPING SHALL BE REUSED AND CONNECTED TO REPLACED FIXTURES.
 - 3 FURNISH AND INSTALL FLOOR DRAINS IN EXISTING FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
 - 4 NEW 6" SANITARY PIPE SHALL BE CONNECTED TO EXISTING MAIN SANITARY SEWER LINE UNDERGROUND. REFER TO CIVIL FOR CONTINUATION.
 - 5 FLOOR DRAIN SHALL BE PROVIDED WITH DEEP SEAL TRAP.
 - 6 FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.
 - 7 AIR ADMITTANCE VALVE.
 - 8 4" CLEANOUT, TYP.

- PLUMBING GENERAL NOTES**
- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - B. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
 - C. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
 - D. ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - E. PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



1 PLUMBING RENOVATION PLAN - SANITARY AND VENT
1/8" = 1'-0"

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PLUMBING RENOVATION PLAN - SANITARY AND VENT

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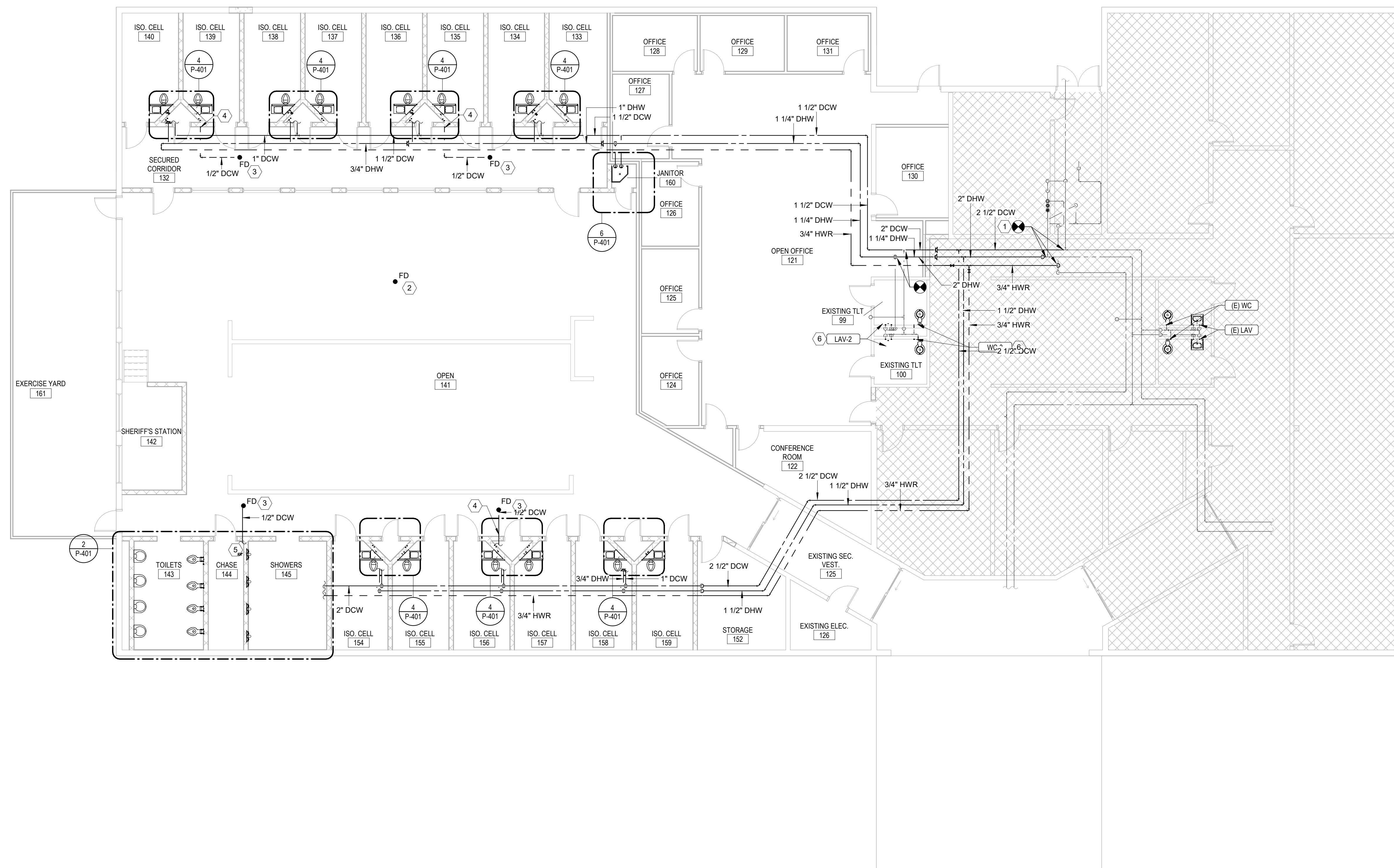
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P-101

- KEYNOTES**
- 1 PROVIDE DOMESTIC HOT, COLD, AND RECIRCULATION PIPING TO NEW PLUMBING FIXTURES AND CONNECT TO EXISTING PIPING OUTSIDE OF MECHANICAL ROOM.
 - 2 FLOOR DRAIN SHALL BE PROVIDED WITH DEEP SEAL TRAP.
 - 3 FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.
 - 4 1/2" TRAP PRIMER SHALL BE ROUTED UNDERGROUND AND CONNECTED TO DOMESTIC COLD WATER LINE LOCATED IN CHASE.
 - 5 REFER TO DRAWING #2/P-401 FOR PIPING CONTINUATION.
 - 6 NEW PLUMBING FIXTURES SHALL BE CONNECTED TO EXISTING HOT WATER, COLD WATER, AND HOT WATER RECIRCULATING PIPES.

- PLUMBING GENERAL NOTES**
- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
 - B. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
 - C. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
 - D. ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
 - E. PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



1 PLUMBING RENOVATION PLAN - DOMESTIC WATER
1/8" = 1'-0"

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PLUMBING RENOVATION PLAN - DOMESTIC WATER

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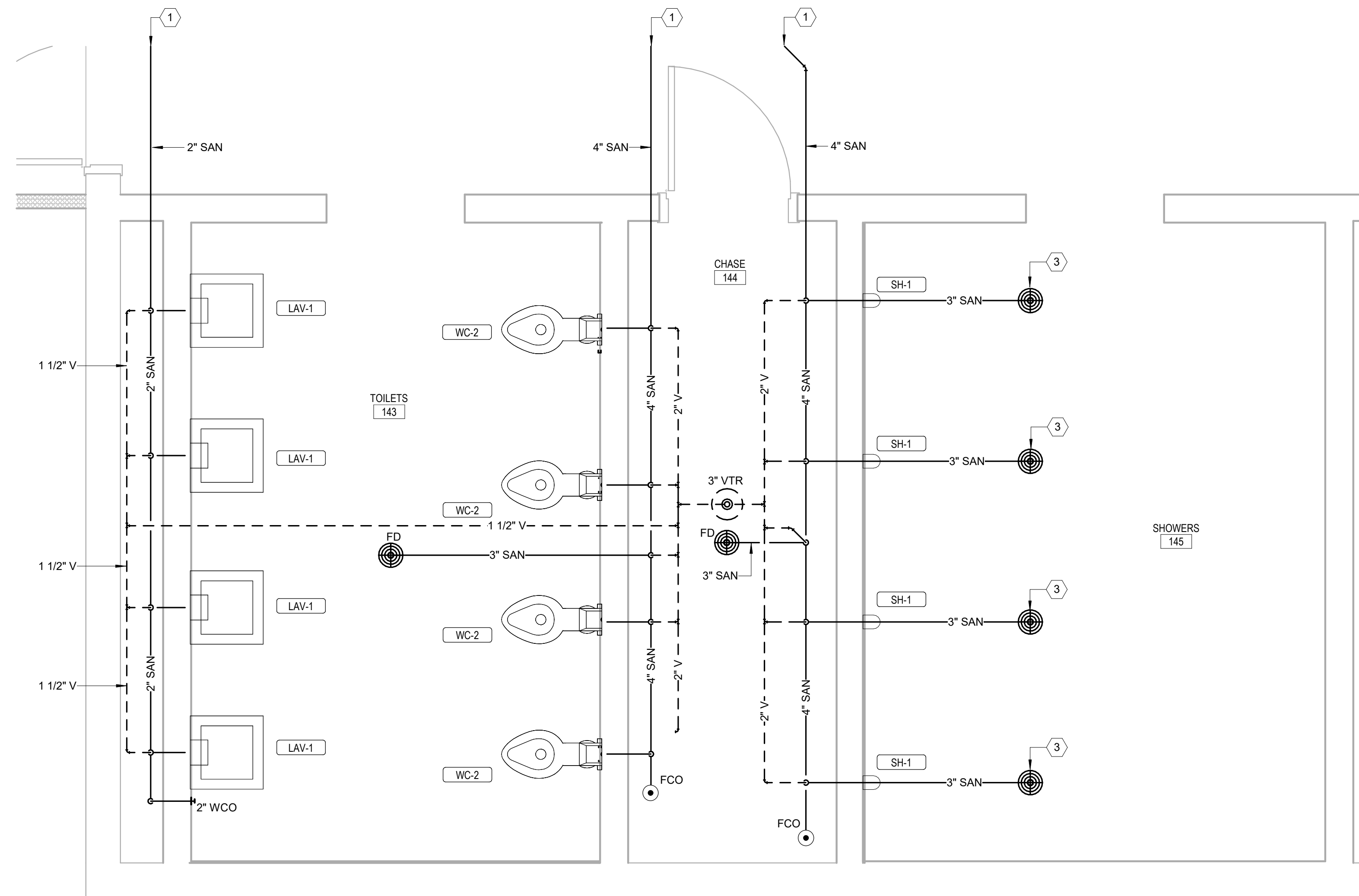
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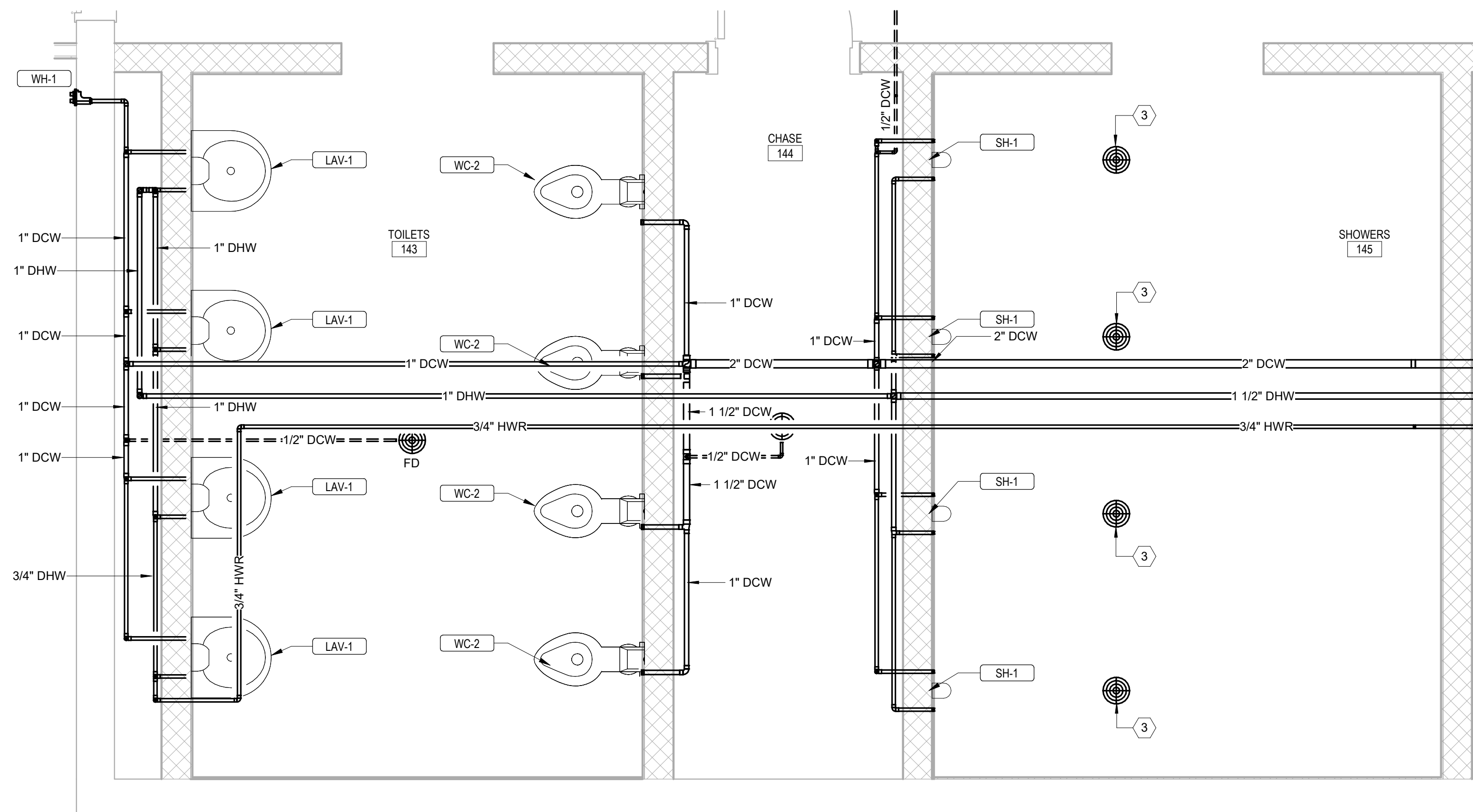
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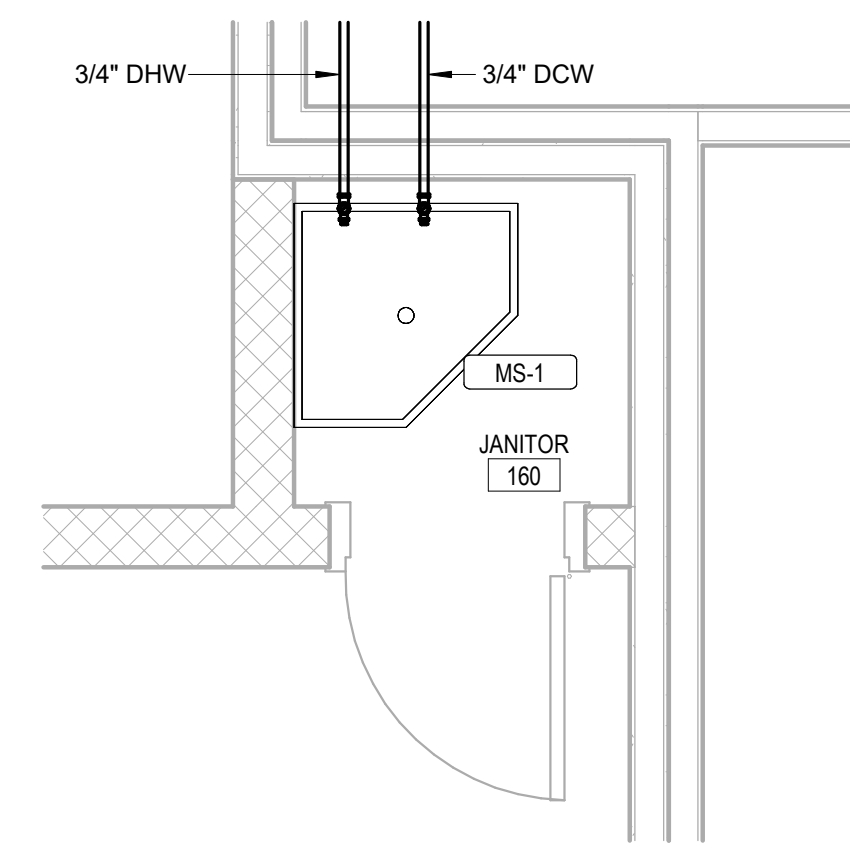
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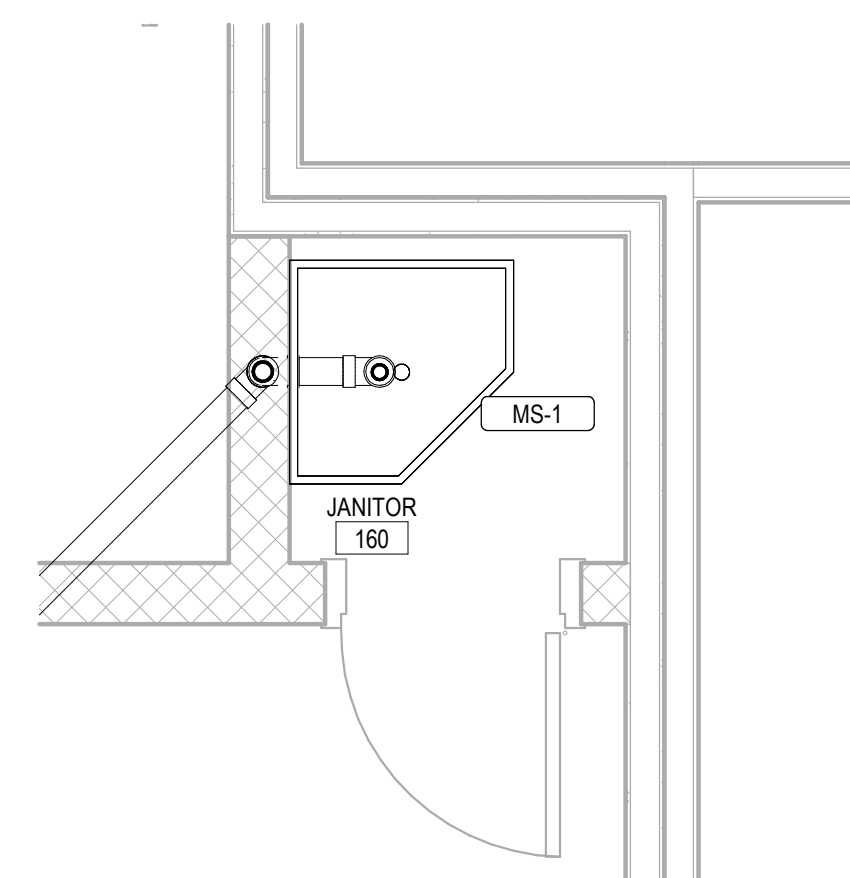
1 SANITARY AND VENT ENLARGED PLAN - BATHROOM
1/2" = 1'-0"



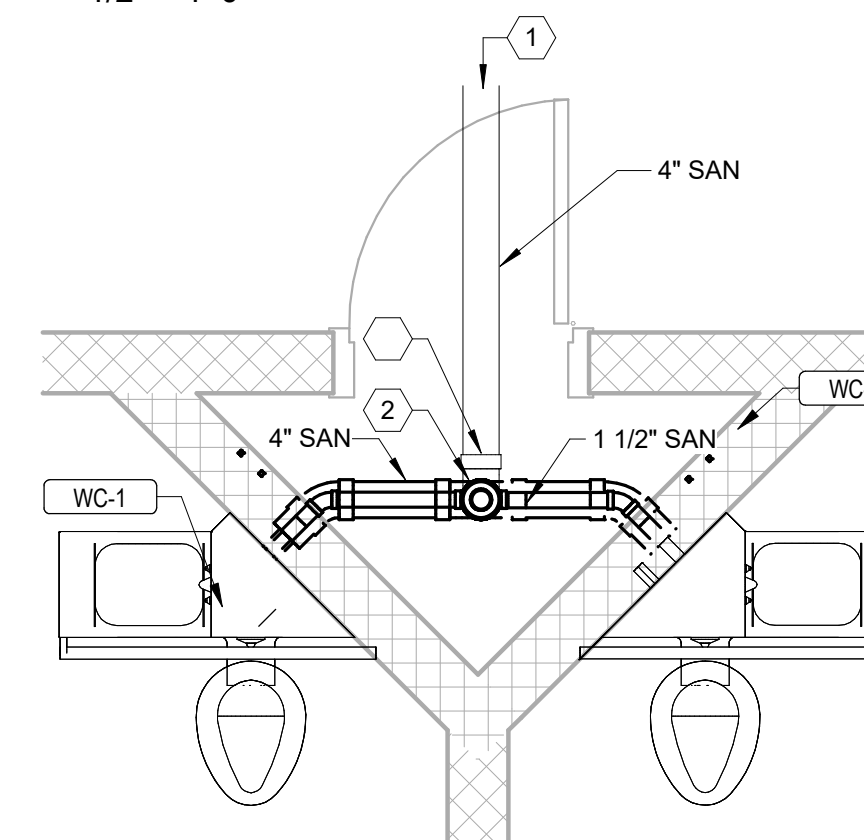
2 DOMESTIC WATER ENLARGED PLAN - BATHROOM
1/2" = 1'-0"



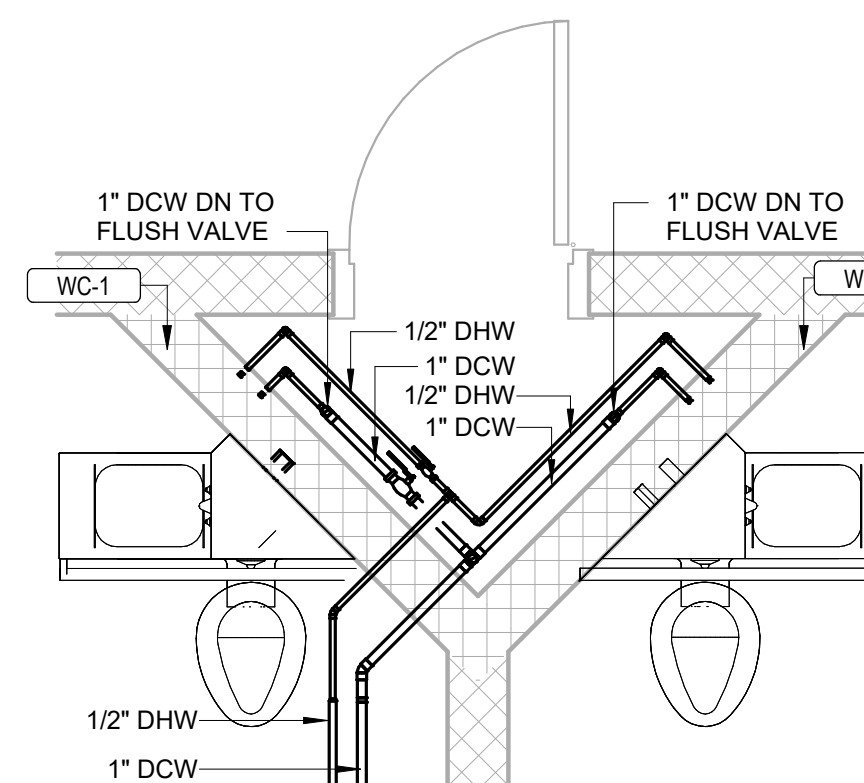
6 DOMESTIC WATER ENLARGED PLAN - JANITOR
1/2" = 1'-0"



5 SANITARY AND VENT ENLARGED PLAN - JANITOR
1/2" = 1'-0"



3 TYPICAL SANITARY ENLARGED PLAN - CELL
1/2" = 1'-0"



4 TYPICAL DOMESTIC WATER ENLARGED PLAN - CELL
1/2" = 1'-0"

PLUMBING GENERAL NOTES

- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
- B. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- C. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
- D. ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
- E. PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.

KEYNOTES

- # 4" CLEANOUT, TYP.
- 1 SANITARY PIPING (BELOW GRADE) TO BUILDING MAIN SANITARY LINE. REFER TO DRAWING #1/P-101 FOR CONTINUATION.
- 2 CONNECT SANITARY LINE FROM REAR OUTLET FIXTURE AND DROP TO SANITARY BRANCH UNDERGROUND.
- 3 FURNISH AND INSTALL FLOOR DRAIN FOR EACH SHOWER HEAD WITHIN SHOWER ROOM 145.

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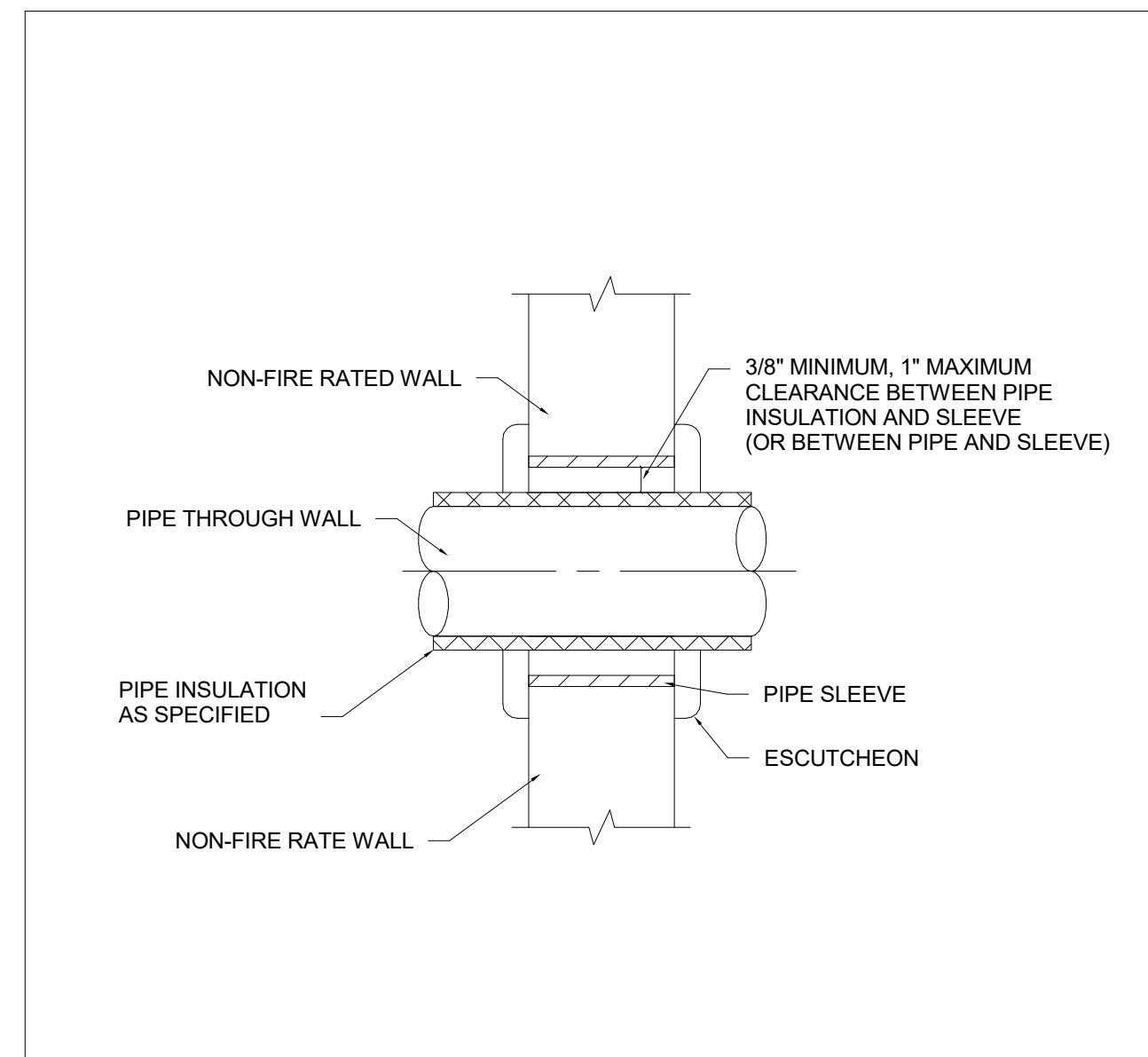
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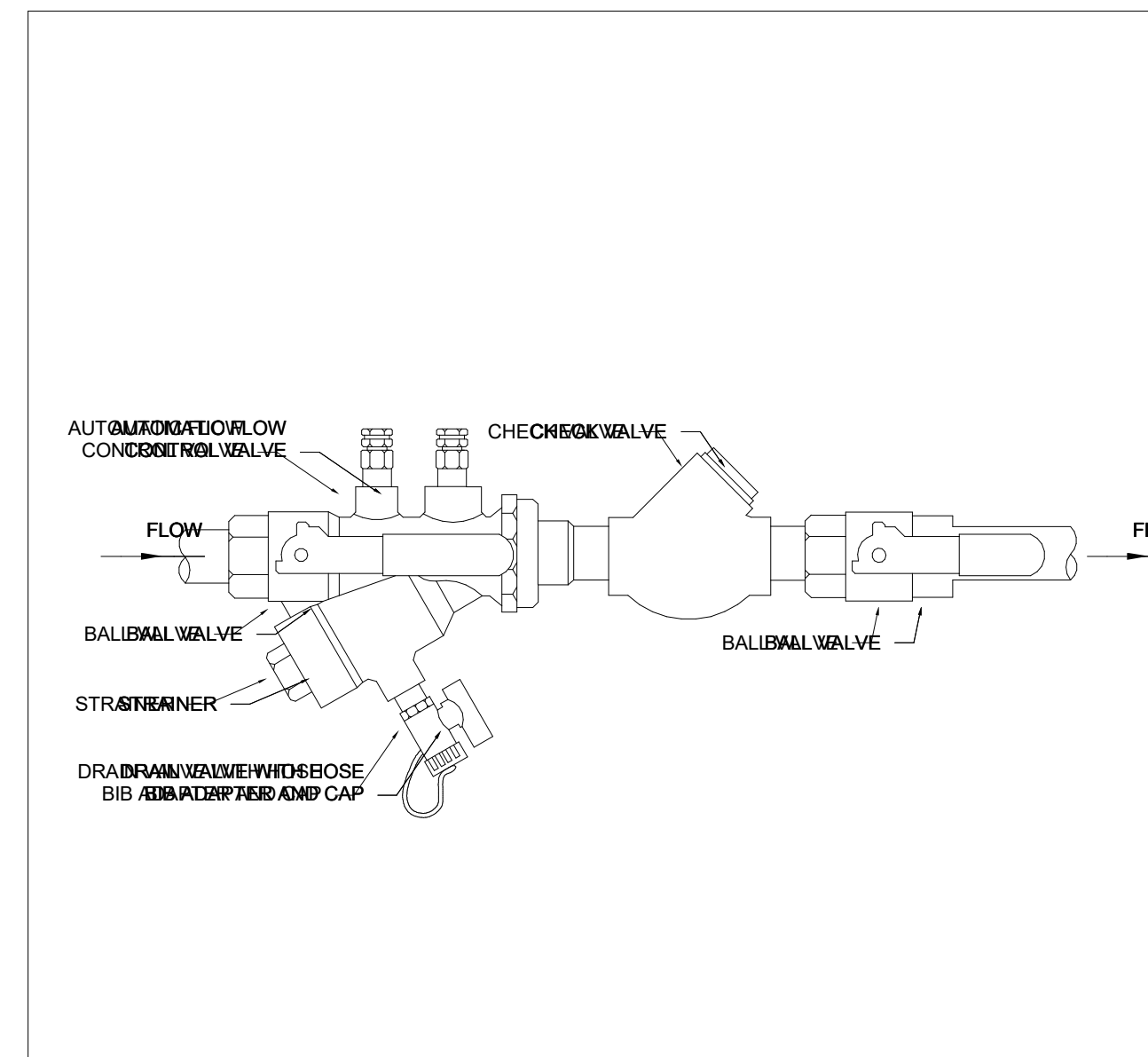
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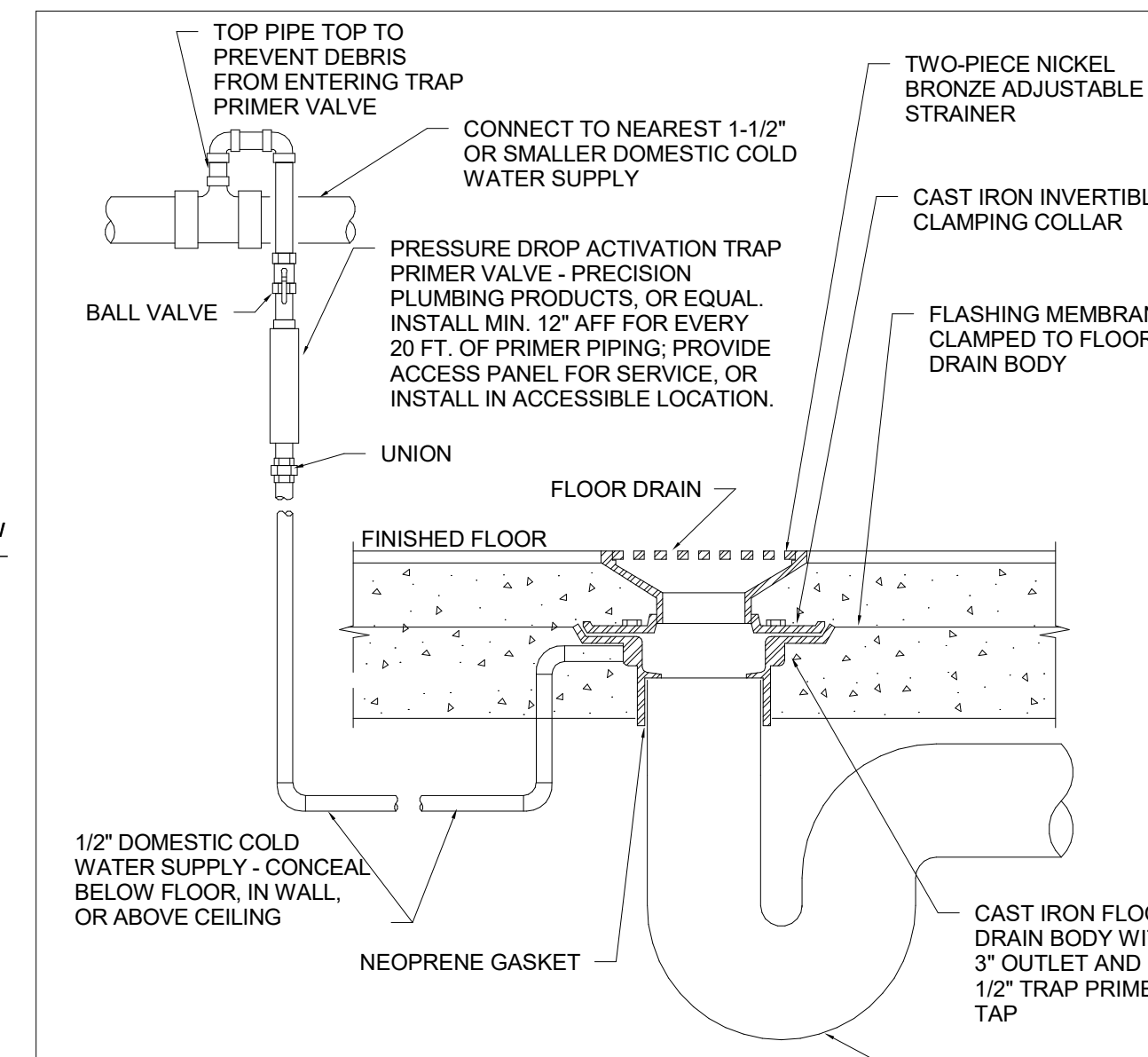
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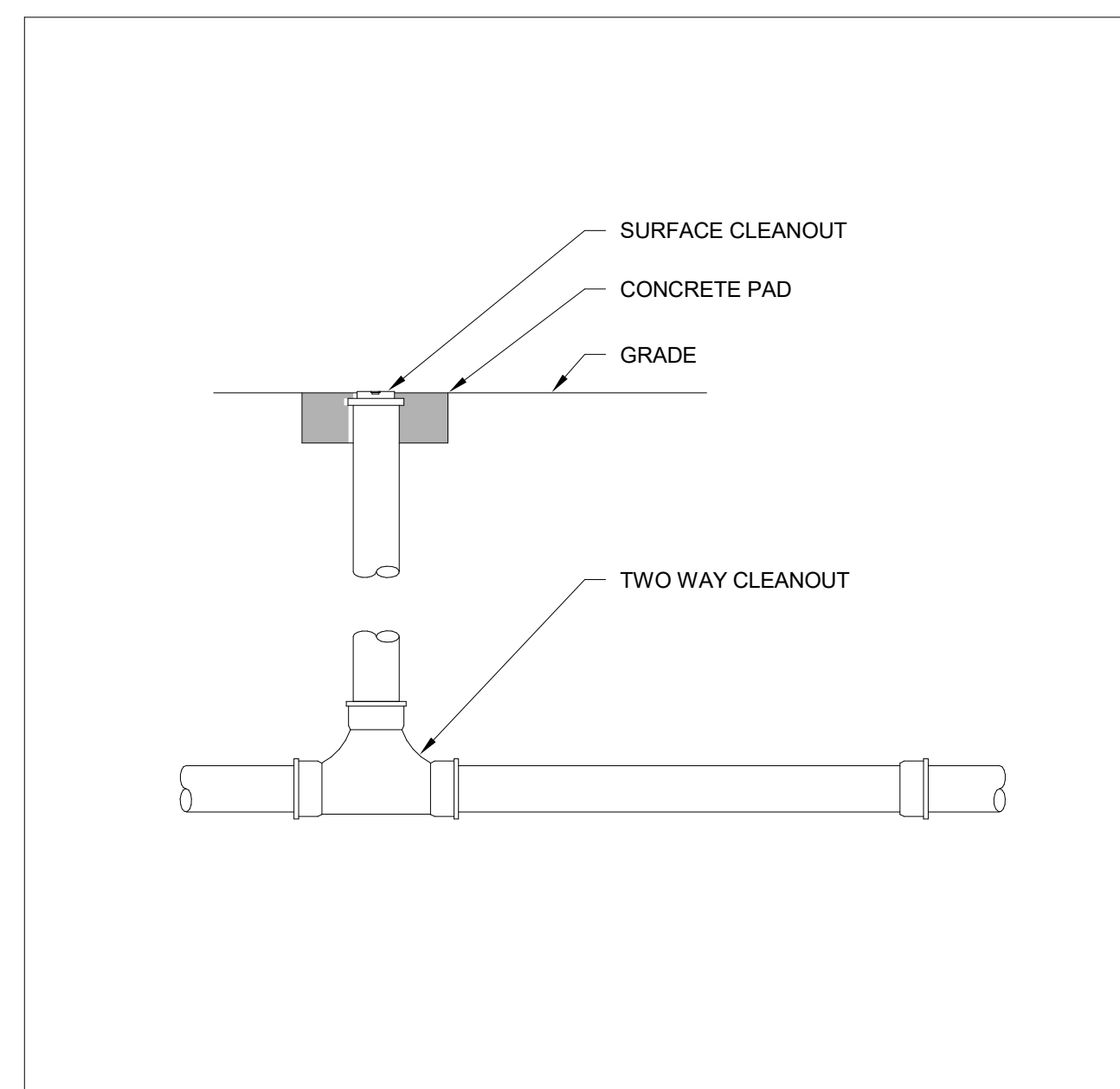
7 PIPE PENETRATION THROUGH NON-FIRE RATED WALL N.T.S.



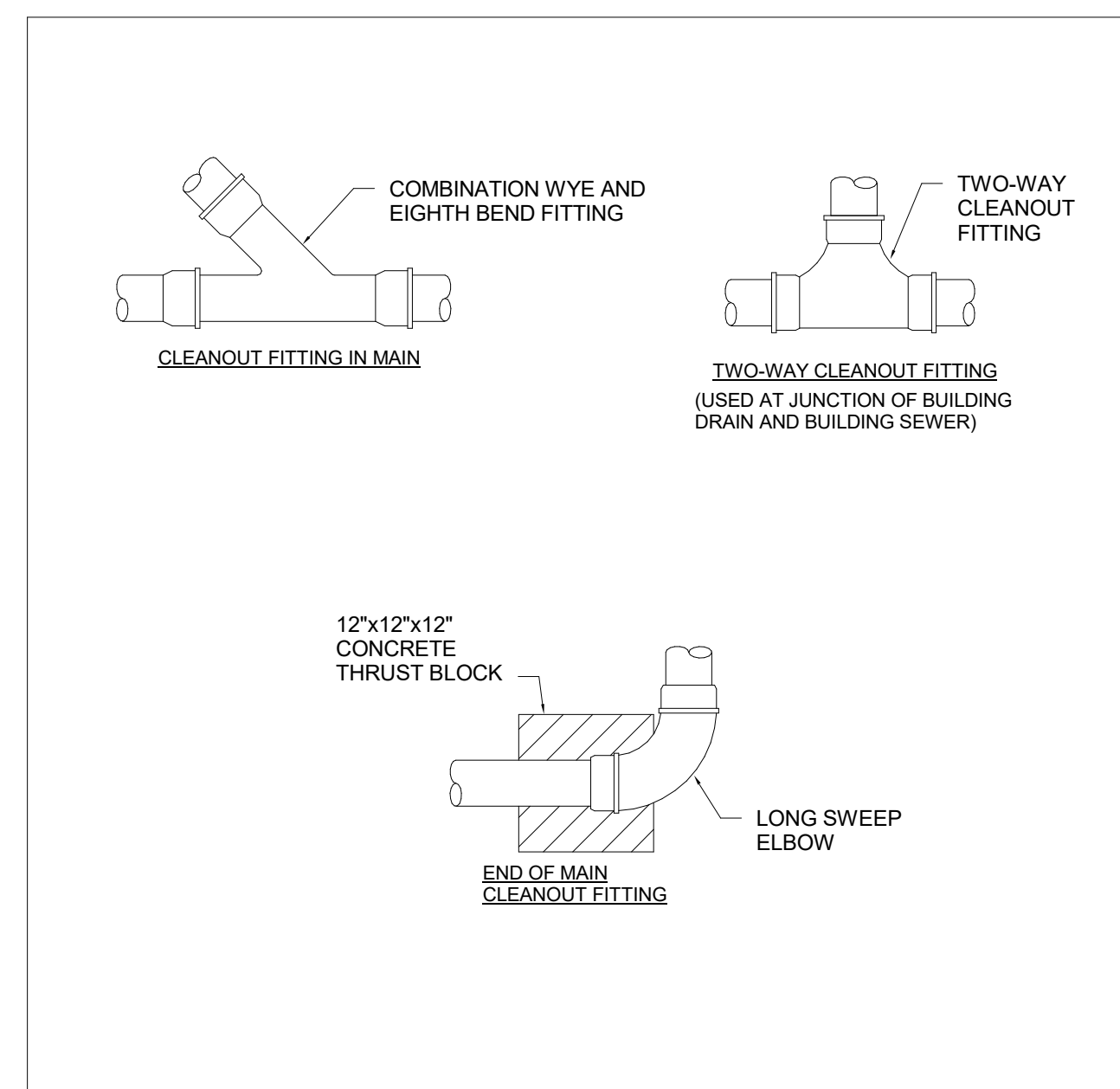
4 POTABLE HWR BALANCING VALVE STATION N.T.S.



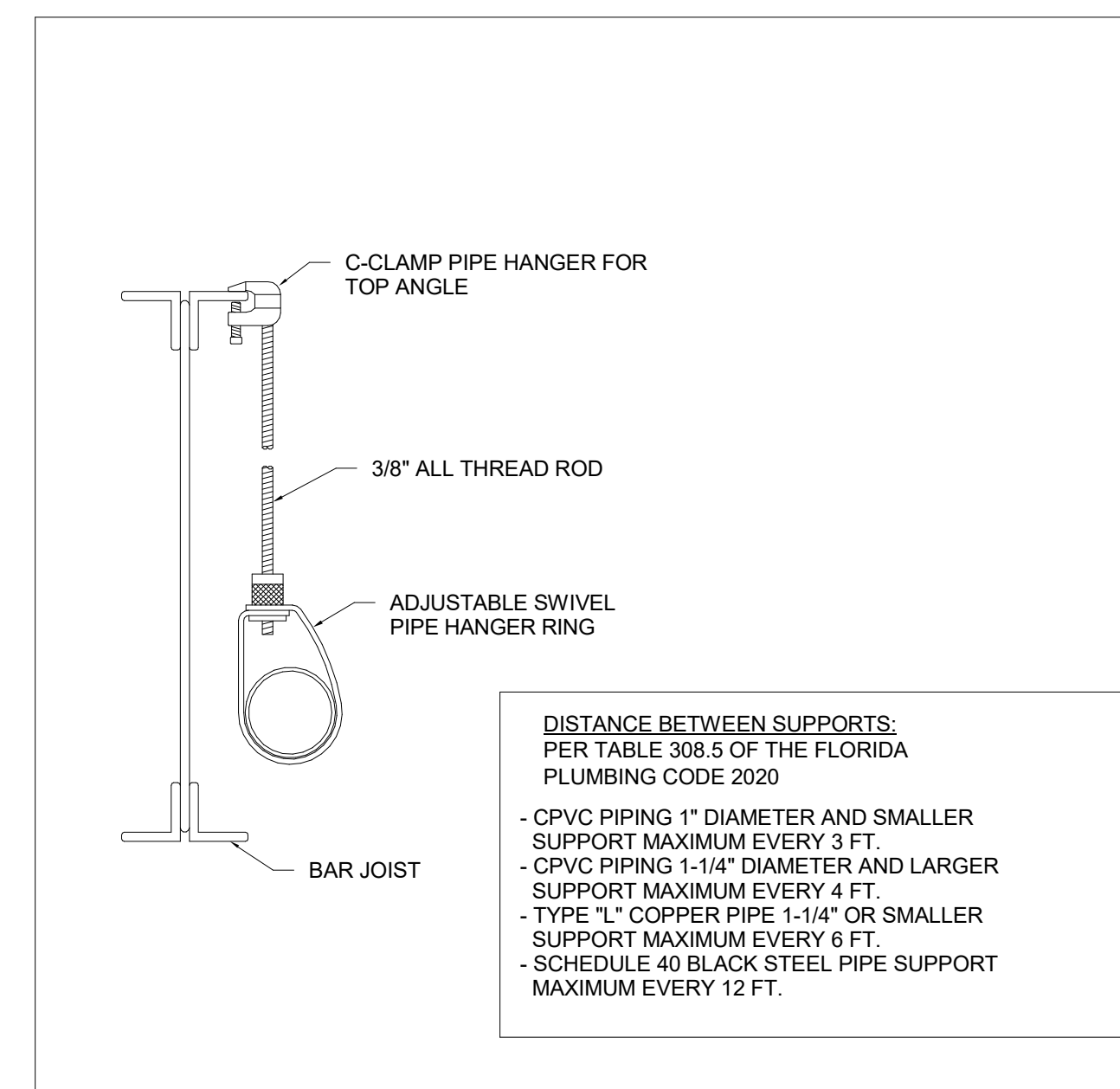
1 TRAP PRIMER N.T.S.



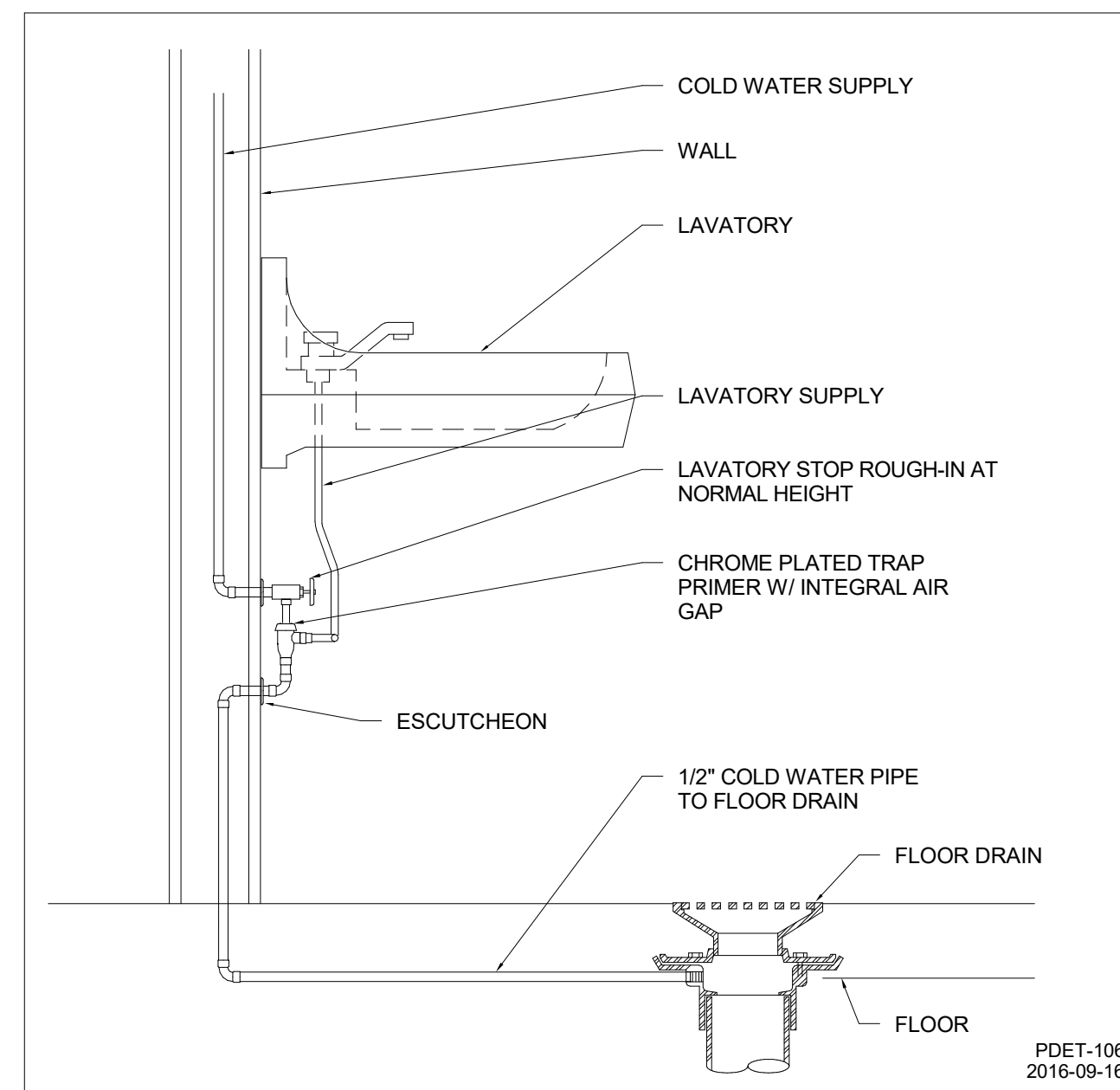
8 2-WAY GRADE CLEANOUT DETAIL N.T.S.



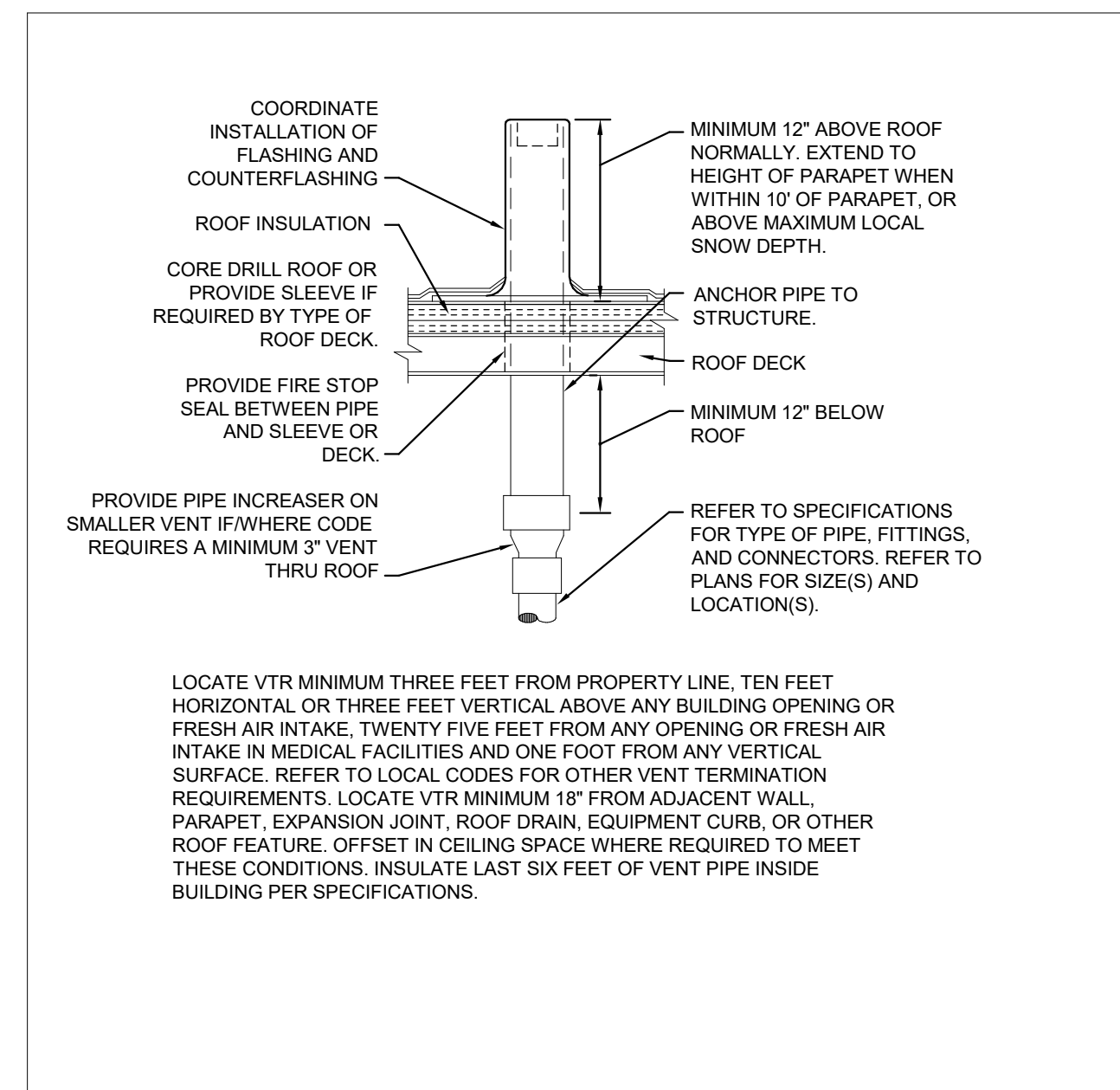
5 CLEANOUT FITTINGS DETAIL N.T.S.



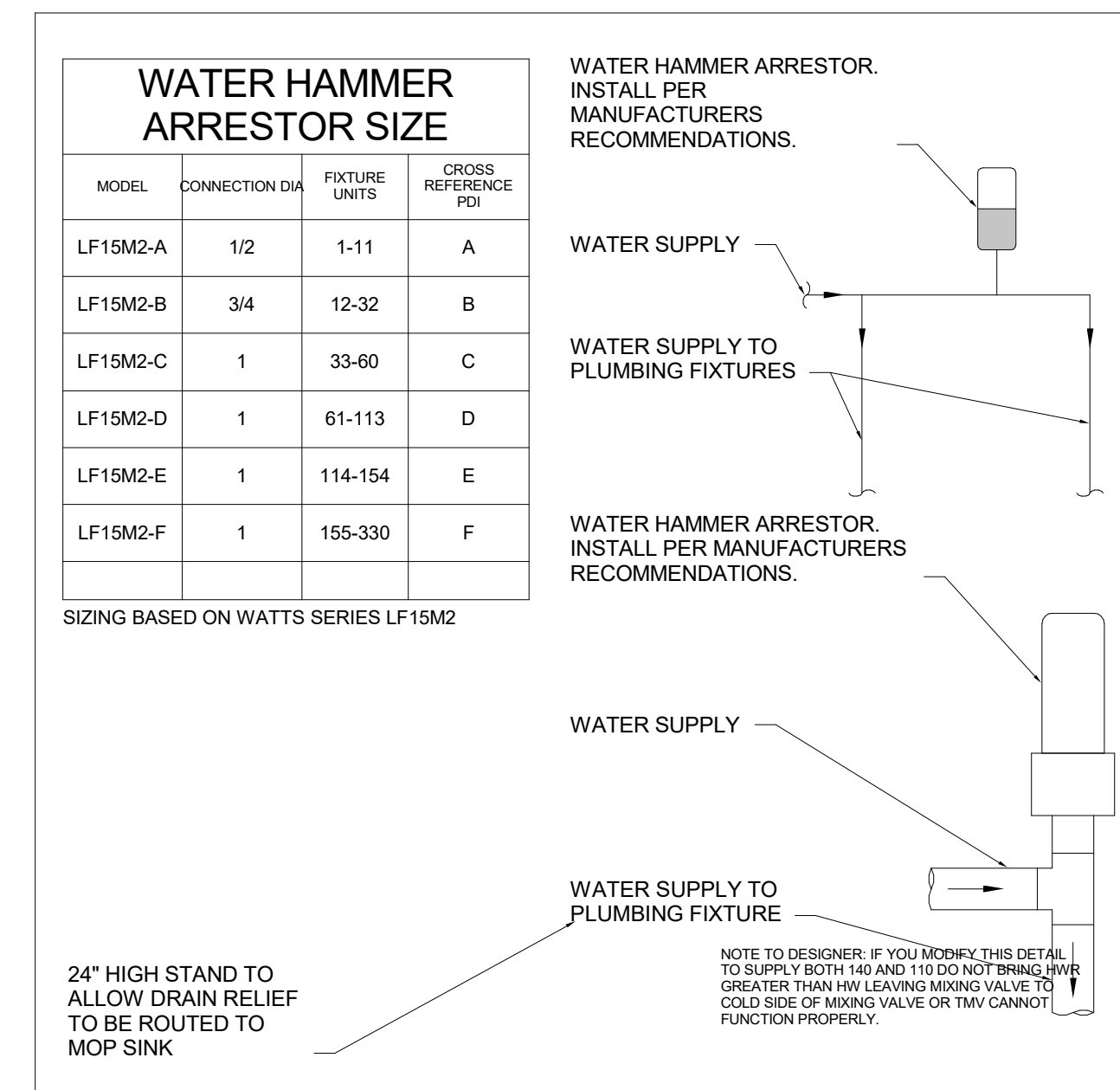
2 PIPE HANGER DETAIL N.T.S.



9 LAVATORY TRAP PRIMER N.T.S.



6 VENT THRU ROOF (\"/>



3 WATER HAMMER ARRESTOR DETAIL N.T.S.

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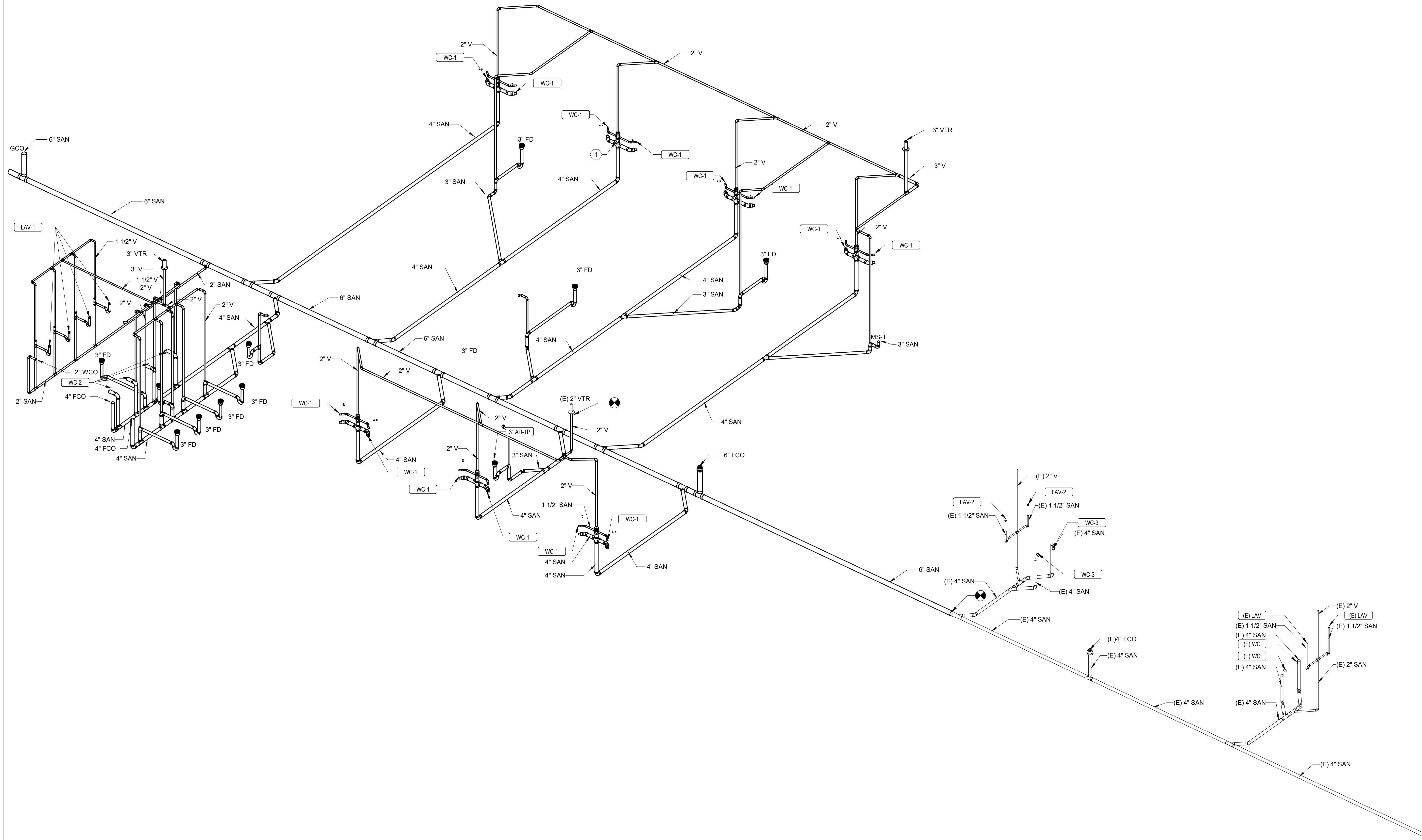
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#	KEYNOTES
1	4" CLEANOUT, TYP.



1 Sanitary ISO
NOT TO SCALE

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SANITARY & VENT ISOMETRIC

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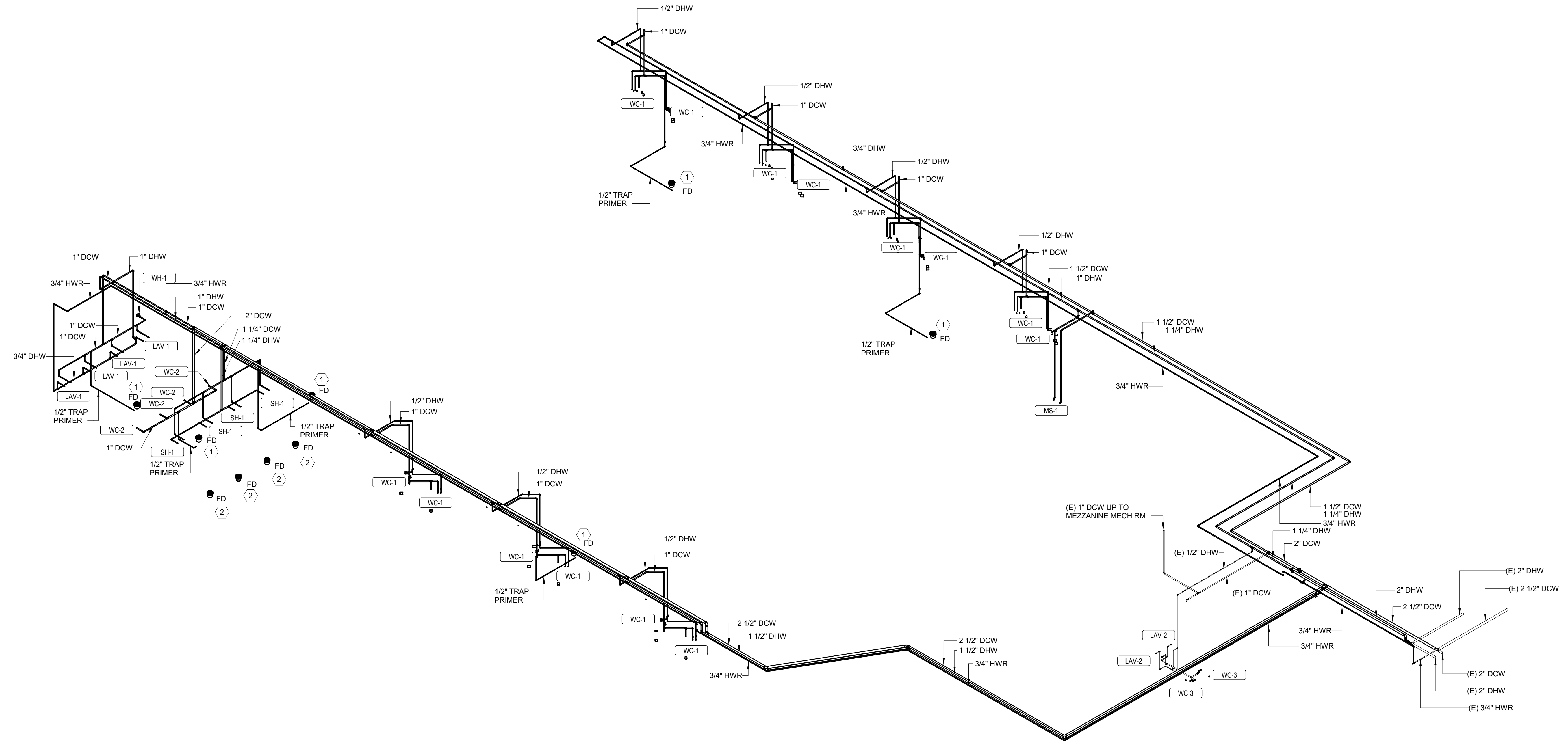
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#	KEYNOTES
1	FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.
2	FLOOR DRAIN SHALL BE PROVIDED WITH DEEP SEAL TRAP.



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DOMESTIC WATER ISOMETRIC

1 PLUMBING ISOMETRIC - DOMESTIC WATER
NOT TO SCALE

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GENERAL NOTES

- A EXISTING CONDITIONS BASED ON RECORD DOCUMENTS AND FIELD OBSERVATION. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISURBING EXISTING INSTALLATION.
- B NO WORK REQUIRED WITHIN HATCHED AREAS. ALL POWER AND SPECIAL SYSTEM DEVICES, CIRCUITING AND ASSOCIATED WIRING SHALL BE EXISTING TO REMAIN.
- C IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE EXISTING CONDITIONS AND LAYOUTS ARE ACCURATE. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCEPANCIES PRIOR TO DISTURBING EXISTING INSTALLATION.
- D CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
- E ELECTRICAL EQUIPMENT AND FIXTURES INDICATED TO BE REMOVED SHALL BE TURNED OVER TO OWNER FOR FIRST RIGHT OF REFUSAL.
- F REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITING TO NEAREST POINT OF CONNECTION IN DEMOLITION AREAS UNLESS NOTED OTHERWISE. MAINTAIN EXISTING BREAKERS AND LABEL AS SPARE IN PANELBOARD INDEX.
- G PROVIDE JUNCTION BOXES, CONDUIT, WIRED CABLE ETC AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN POWER DEVICES, EQUIPMENT, ETC.
- H CONTRACTOR SHALL TEST ALL CIRCUITS, GROUNDS, ETC. FOR CONTINUITY FOR ALL EQUIPMENT, DEVICES FIXTURES, ETC. SHOWN. PROVIDE CIRCUIT EXTENSIONS, CONDUIT, WIRE, ETC. AS REQUIRED FOR COMPLETE SYSTEM CONTINUITY.
- I ALL ABANDONED OR UNUSED, WIRE, CABLING, CONDUIT, ETC SHALL BE REMOVED TO ORIGIN.

KEY NOTES

- 1. ALL LIGHTING, LIGHTING CONTROLS AND SYSTEMS TO BE DEMOLISHED IN THIS AREA. EXCEPT EQUIPMENT THAT IS DENOTED.



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PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1

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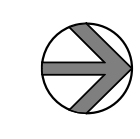
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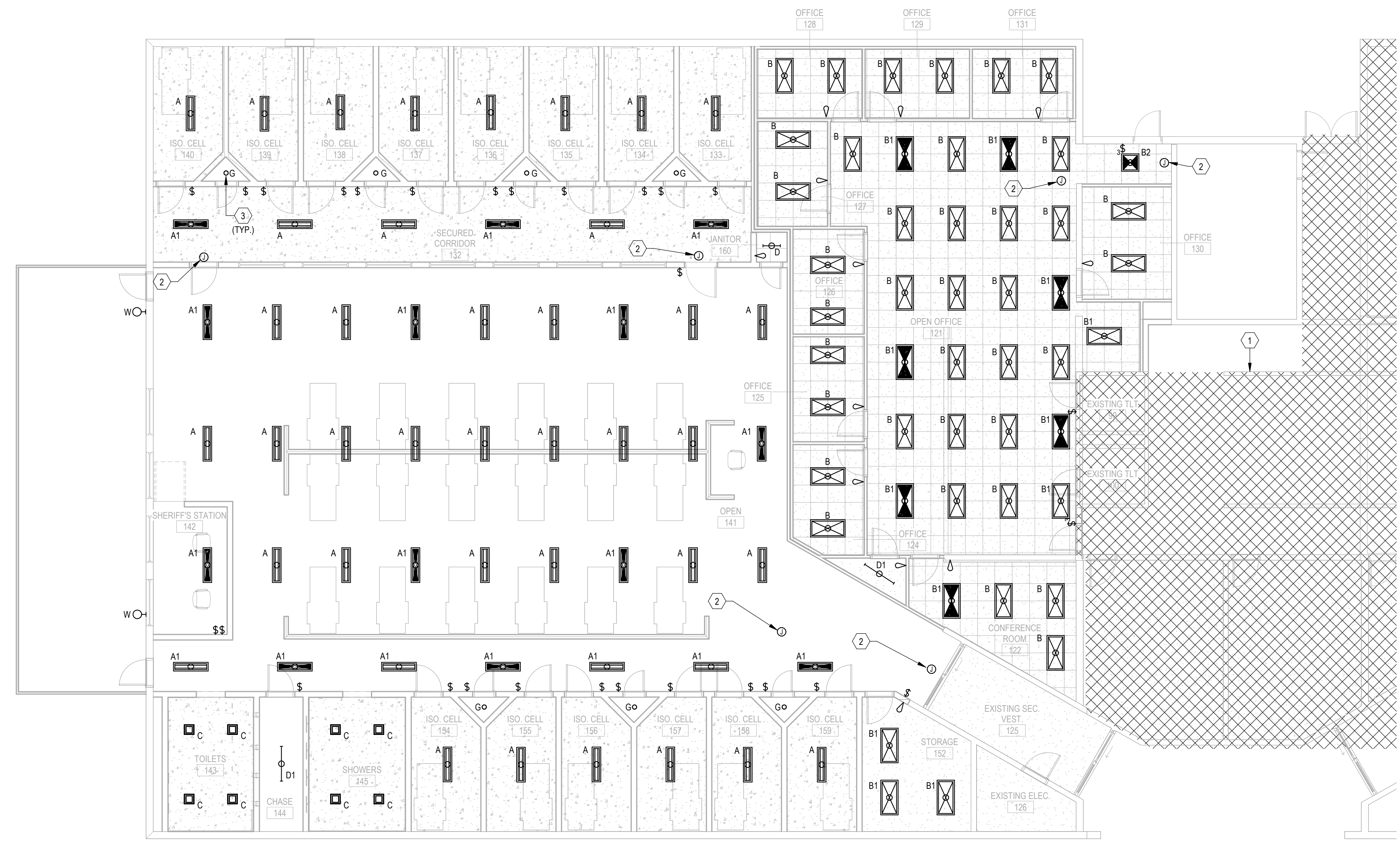
ED-101



1 PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1
ED-101 1/8" = 1'-0"

- ### LIGHTING CONTROL NOTES
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION OF ALL RATED WALLS, CEILINGS, SLABS, AND THEIR SPECIFIED RATING ON THE ARCHITECTURAL DRAWINGS. ALL DEVICES AND MATERIALS SHALL MEET THE UL RATING OF THE RATED WALLS, CEILINGS AND SLABS ASSEMBLY. CONTRACTOR SHALL PROVIDE AN ASSEMBLY, INSTALLED IN ACCORDANCE WITH UL WHERE NECESSARY.
 - B. CONTRACTOR SHALL COORDINATE ANY WALL MOUNTED LIGHT FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
 - C. ALL OCCUPANCY SENSOR CONTROLLED LOADS SHALL TURN OFF WITHIN 20 MINUTES OF THE OCCUPANT LEAVING THE ROOM.
 - D. WHERE MULTIPLE SWITCHES ARE SHOWN AT THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER WITH A COMMON GANG PLATE.
 - E. ALL EXIT LIGHTS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO UNSWITCHED LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT.
 - F. ALL LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION.
 - G. PROVIDE DUAL TECH OCCUPANCY/VACANCY SENSORS IN ALL OFFICES, CORRIDORS, OPEN OFFICES, LOUNGES/BREAKROOMS, RESTROOMS, STORAGE ROOMS, AND ALL OTHER SPACES 300 SQUARE FEET OR LESS ENCLOSED BY FLOOR TO CEILING HEIGHT PARTITIONS. THIS EXCLUDES MECHANICAL ROOMS, ELECTRICAL ROOMS, TELECOMMUNICATION SPACES, AND OTHER AREA WHERE THE AUTOMATIC SHUT OFF OF LIGHTS WILL CAUSE A DANGER TO LIFE SAFETY.
 - H. WHERE VACANCY SENSORS ARE REQUIRED, LIGHTS SHALL BE MANUAL ON, AUTOMATIC OFF. LIGHTS SHALL TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING VACANT.
 - I. WHERE OCCUPANCY SENSORS ARE REQUIRED, LIGHTS SHALL TURN ON TO FULL AUTOMATICALLY, TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING UNOCCUPIED, AND SHALL HAVE A SWITCH FOR MANUAL OVERRIDE.
 - J. CONTRACTOR SHALL PROVIDE QUANTITY OF SENSORS REQUIRED WITH PROPER COVERAGE PATTERN TO ACHIEVE REQUIRED LIGHTING CONTROL WITHIN THE SPACE.
 - K. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE CONTROLS MANUFACTURER'S REPRESENTATIVE SHOWING LAYOUT, QUANTITY, COVERAGE PATTERNS, AND WIRING DIAGRAM OF COMPLETE SYSTEM.
 - L. FOR CLARITY, ONLY VACANCY (VS) OR OCCUPANCY (OC) ARE SHOWN IN SPACES REQUIRING THAT MODE OF CONTROL.
 - M. PROVIDE LOW VOLTAGE OVERRIDE DIMMING SWITCHES IN ALL SPACES REQUIRING VACANCY/OCCUPANCY SENSORS WITH CONTROL FUNCTION AS OUTLINED.
 - N. PROVIDE ROOM CONTROLLERS AS REQUIRED TO INTERFACE ALL LIGHTS, SWITCHES, SENSORS, ETC. IN ALL SPACES SHOWN TO RECEIVE AUTOMATIC LIGHTING CONTROLS.
 - O. EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ON/TIME CLOCK OFF. PROVIDE TIME CLOCK FOR CONTROLS. COORDINATE TIME OF DAY SCHEDULING WITH STATION REPRESENTATIVE.
 - P. LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE NON-NETWORKED SYSTEM AS MANUFACTURED BY ACUITY. ALTERNATE APPROVED MANUFACTURERS ARE GREENGATE, WATTSTOPPER, AND HUBBELL.
 - Q. ALL AREAS WHERE INMATES ARE NORMALLY OCCUPIED, THESE AREAS ARE NOT REQUIRED TO HAVE ADDITIONAL AUTOMATIC LIGHTING CONTROL DUE TO ENDANGERMENT OF OCCUPANTS FOR THESE AREAS SHALL BE MANUAL ON AND MANUAL OFF AND LOCATED AT A SUPERVISED CENTRAL LOCATION IDENTIFIED BY THE OWNER. PROVIDE LOCK COVER AND KEYS AS REQUIRED BY OWNER.

- ### KEYNOTES
1. HATCHED AREA NOT IN SCOPE.
 2. PROVIDE RECESSED JUNCTION BOX AND CONDUIT WITH PULL STRINGS BACK TO ELECTRICAL ROOM FOR FUTURE EXIT SIGNAGE.
 3. MOUNT FIXTURE ON CEILING, COORDINATE MOUNTING WITH PLUMBING PIPING.



1 PARTIAL FLOOR PLAN - LIGHTING - PHASE 1
1/8" = 1'-0"

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PARTIAL FLOOR PLAN - LIGHTING - PHASE 1

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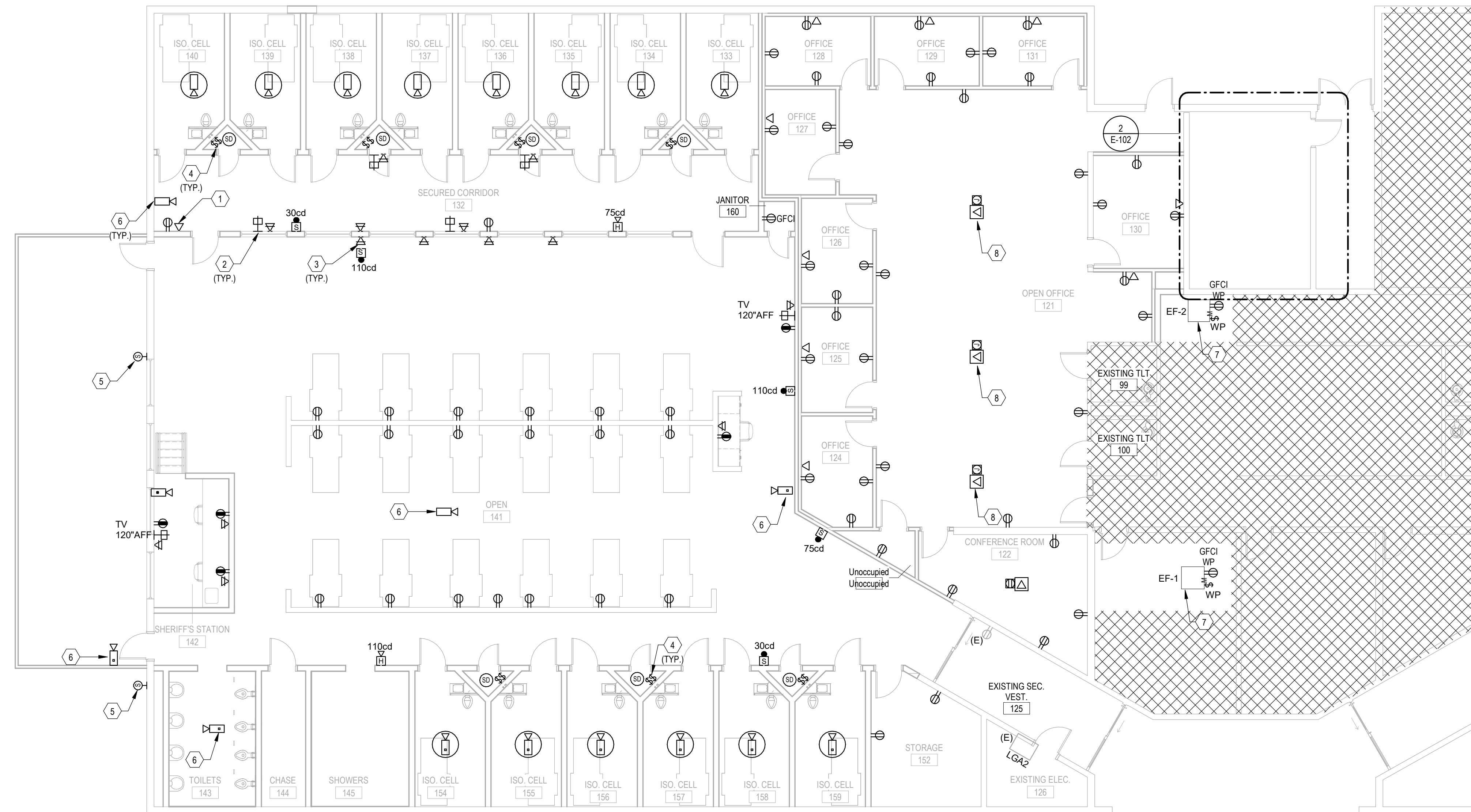
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GENERAL NOTES

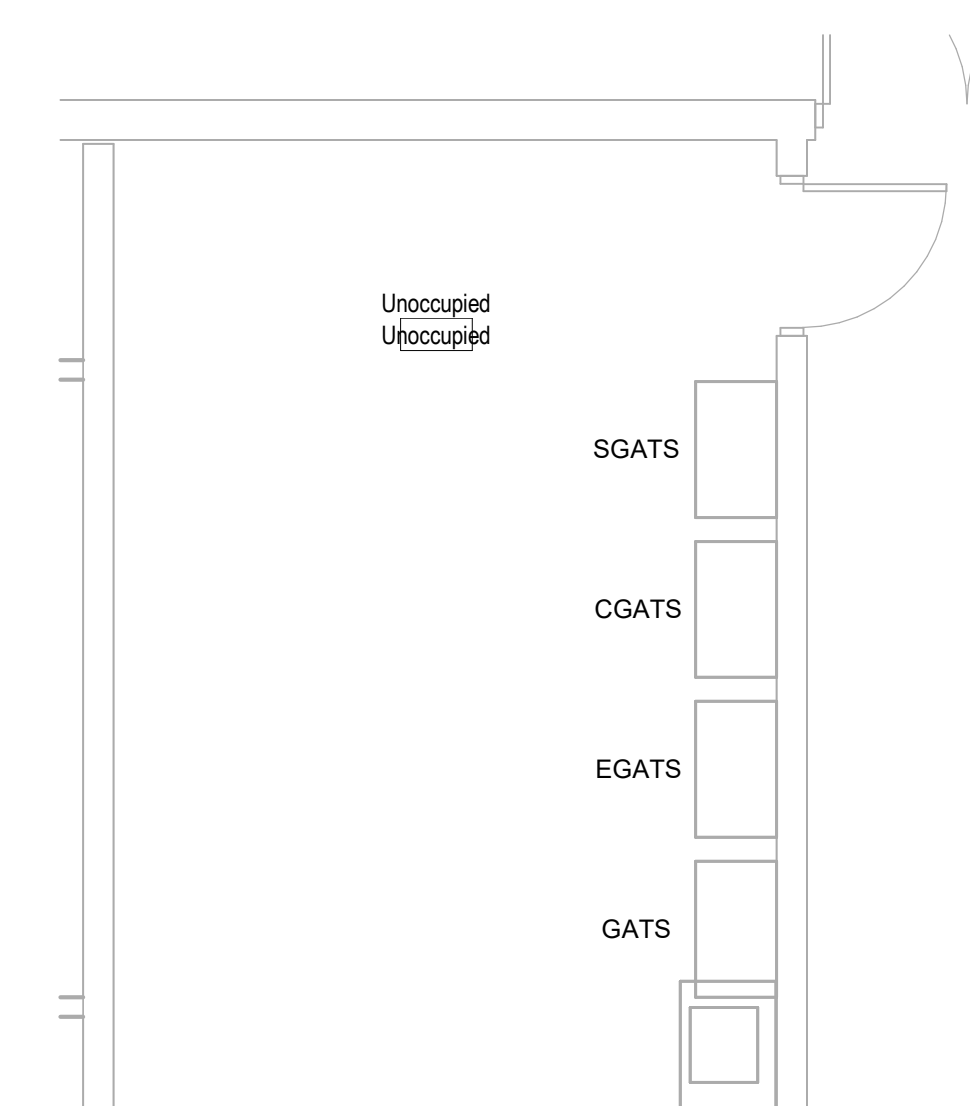
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION OF ALL RATED WALLS, CEILINGS, SLABS, AND THEIR SPECIFIED RATING ON THE ARCHITECTURAL DRAWINGS. ALL DEVICES AND MATERIALS SHALL MEET THE UL RATING OF THE RATED WALLS, CEILINGS AND SLABS ASSEMBLY. CONTRACTOR SHALL PROVIDE AN ASSEMBLY, INSTALLED IN ACCORDANCE WITH UL WHERE NECESSARY.
- B. CONTRACTOR SHALL VERIFY POWER AND CONNECTION REQUIREMENTS FOR ALL CATERING EQUIPMENT PRIOR TO INSTALLATION. VERIFY ALL DEVICE LOCATION AND MOUNTING HEIGHT. MAKE ADJUSTMENT IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED.
- C. ALL SECURITY, DATA, COMMUNICATIONS, TV OUTLETS AND EQUIPMENT INSTALLATION AND LOCATIONS SHALL BE COORDINATED WITH HCSO IT DEPARTMENT PRIOR TO ROUGH-IN. PROVIDE BACKBOXES AND CONDUIT STUB-UPS WITH PULL STRINGS TO ACCESSIBLE CEILING.

KEYNOTES

- 1. MOUNT VIDEO CALL BOX POWER AND DATA OUTLETS AT 18" AFF.
- 2. MOUNT TV OUTLETS ABOVE DOORS AND WINDOWS.
- 3. MOUNT TELEPHONE OUTLET AT 56" AFF.
- 4. ISOLATION CELL CAMERA OVERRIDE SWITCHES.
- 5. WALL MOUNTED SPEAKER.
- 6. WALL MOUNT SECURITY CAMERA.
- 7. THE GENERAL CONTRACTOR SHALL PROVIDE HARDWARE CAPABLE OF SUPPORTING THE WEIGHT OF THE DISCONNECT. DISCONNECT AND OUTLET SHALL NOT BE INSTALLED INTO THE UNIT AT ANY TIME.
- 8. PROVIDE JUNCTION BOX FOR MODULAR FURNITURE POWER AND DATA WHIP. WIRING SCHEME FOR FURNITURE TO BE (4) CIRCUIT, 2 + 2 CONFIGURATION. COORDINATE REQUIREMENTS WITH VENDOR.



1 PARTIAL FLOOR PLAN - POWER - PHASE 1
1/8" = 1'-0"



2 ENLARGED ELECTRICAL ROOM
1/4" = 1'-0"

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PARTIAL FLOOR PLAN - POWER - PHASE 1

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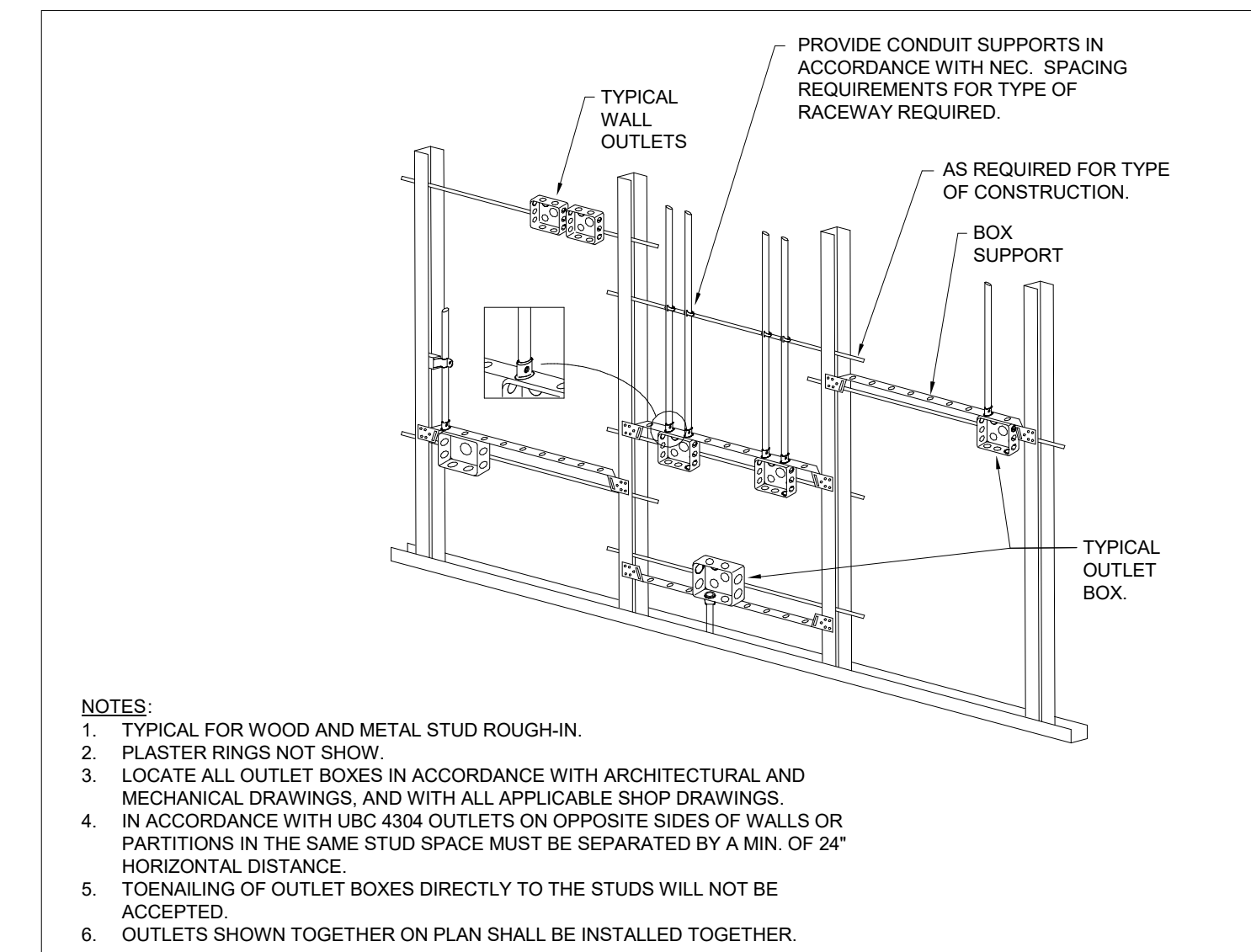
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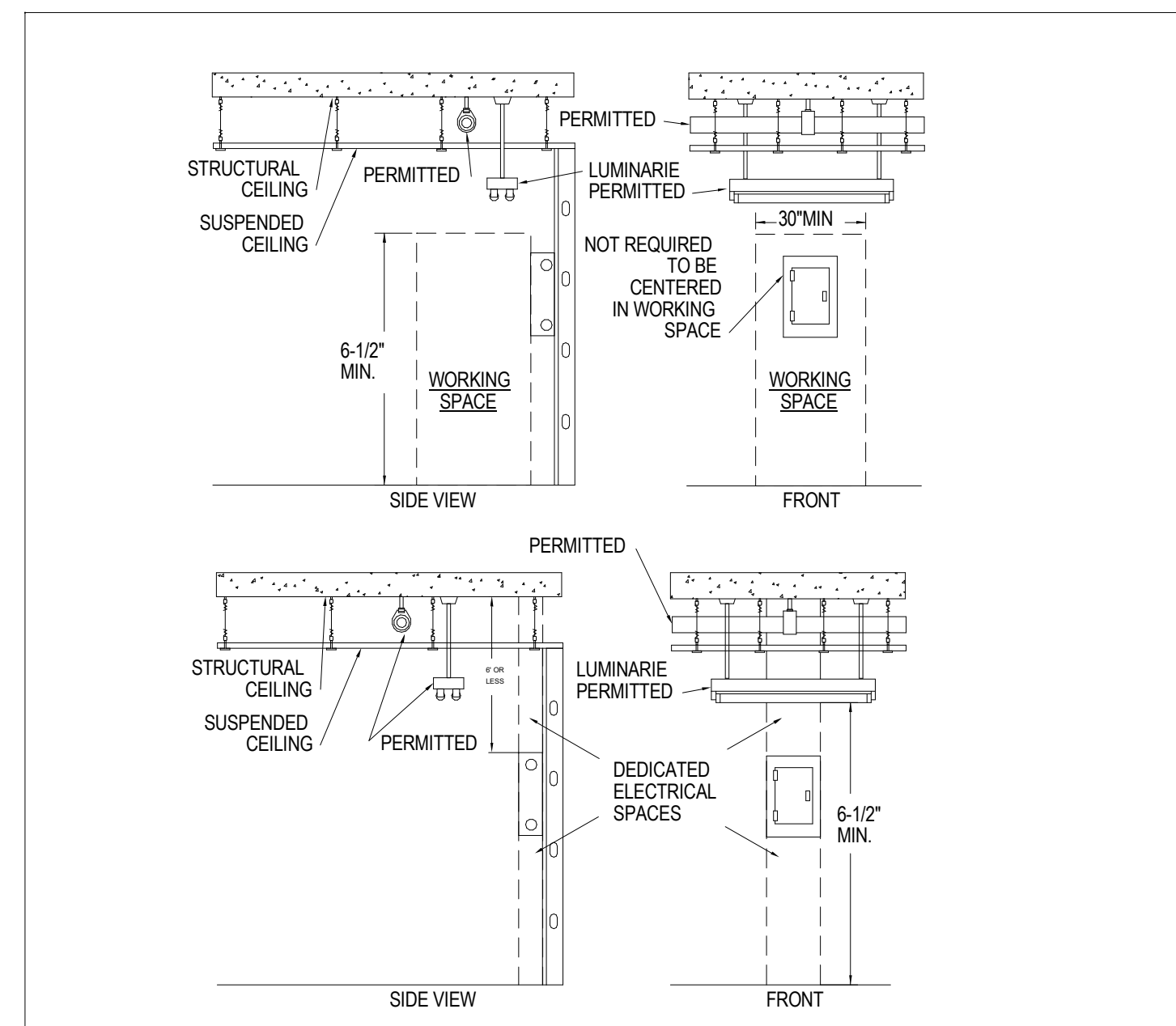
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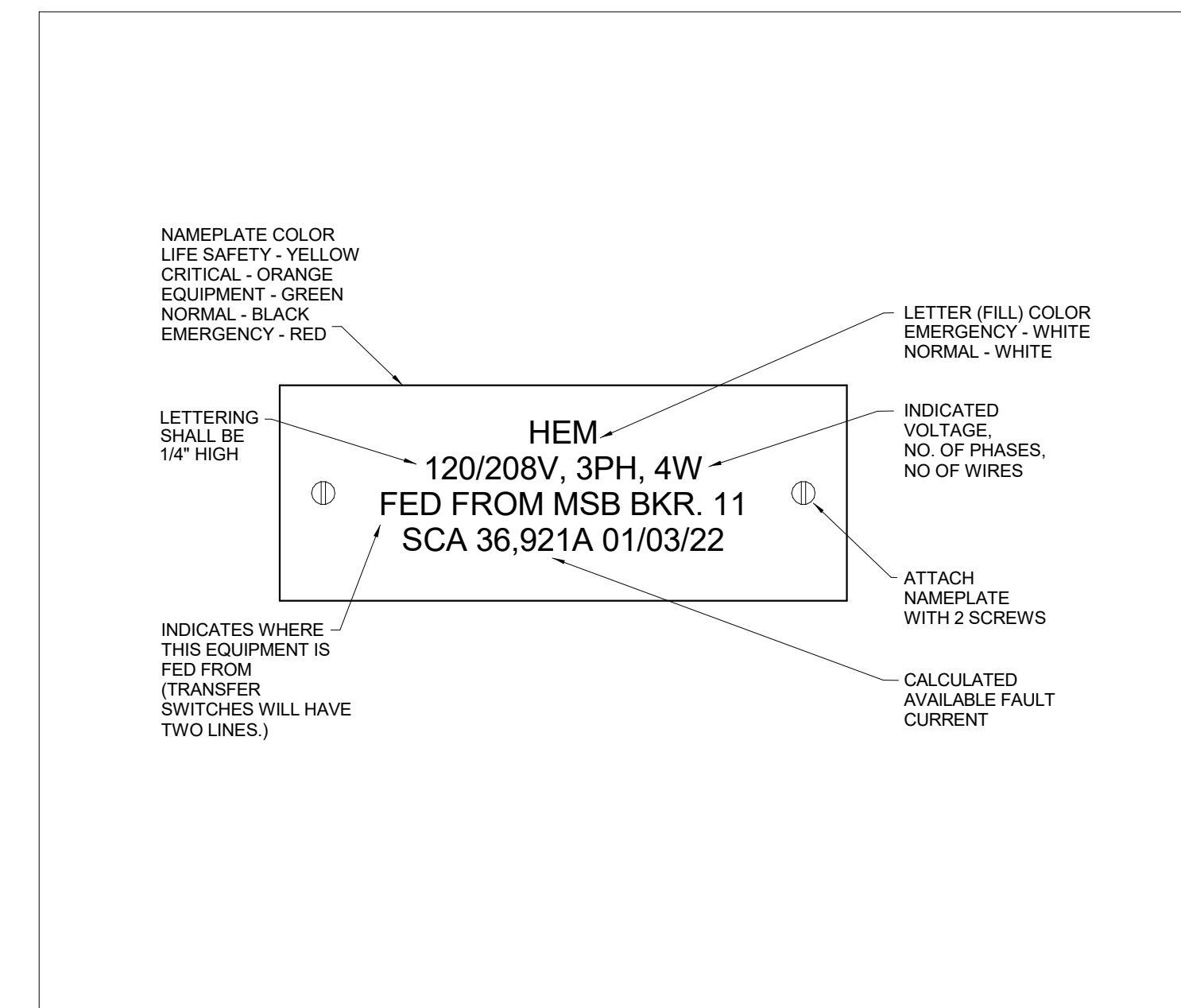


- NOTES:
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
 2. PLASTER RINGS NOT SHOW.
 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
 4. IN ACCORDANCE WITH USC 4304 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 24" HORIZONTAL DISTANCE.
 5. TOENAILING OF OUTLET BOXES DIRECTLY TO THE STUDS WILL NOT BE ACCEPTED.
 6. OUTLETS SHOWN TOGETHER ON PLAN SHALL BE INSTALLED TOGETHER.

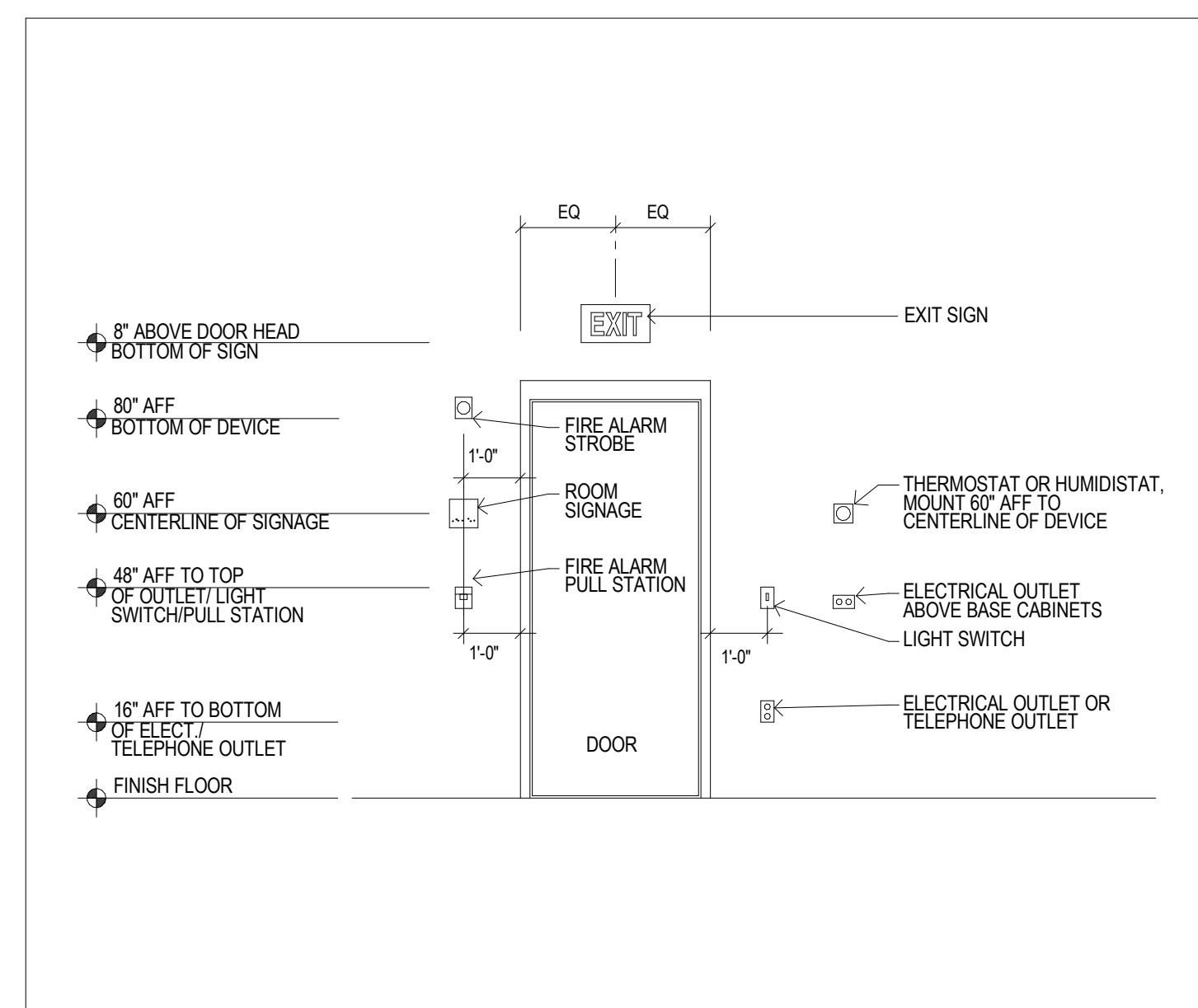
(A) TYPICAL ROUGH-IN NTS



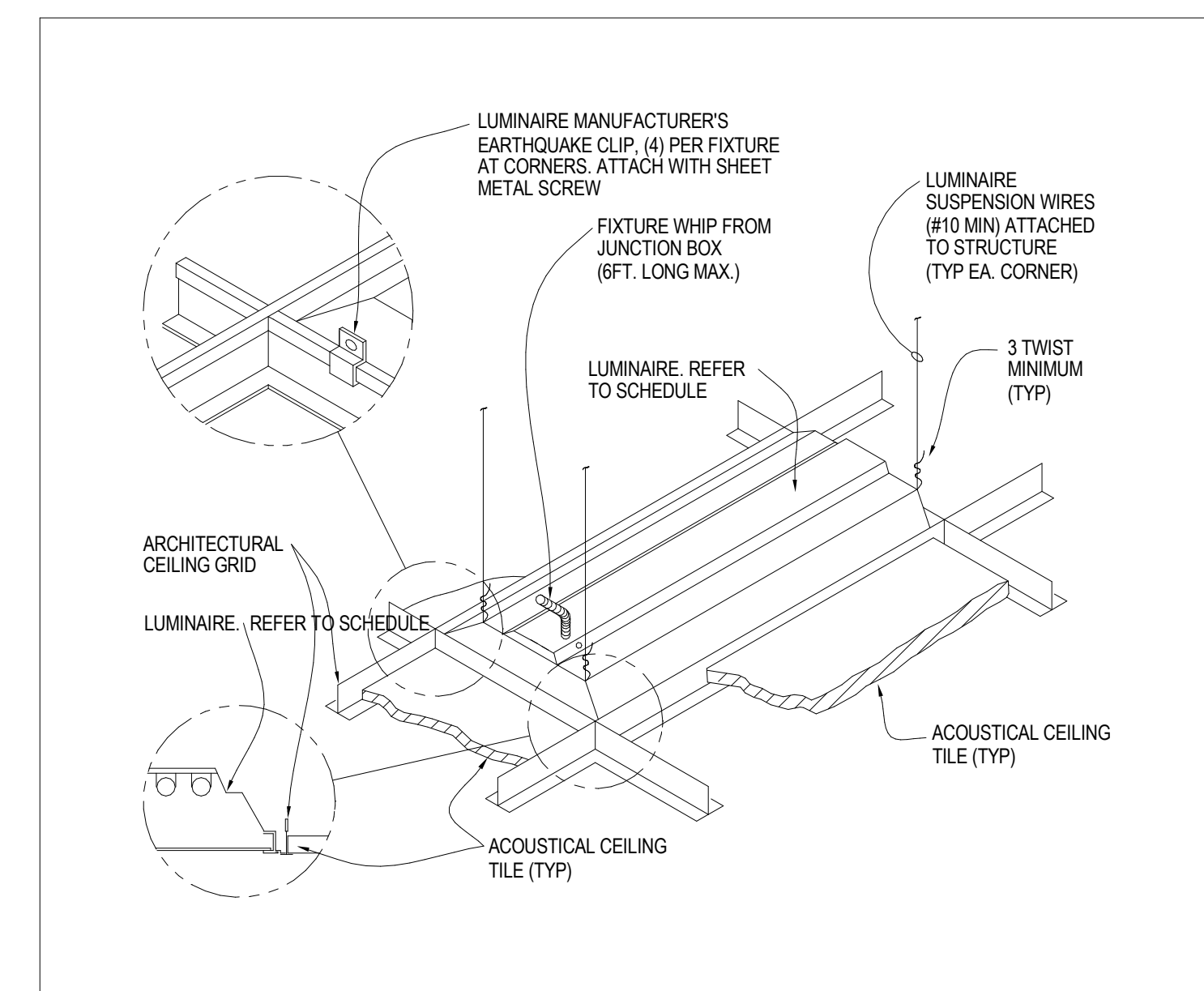
(D) DEDICATED AND WORKING ELECTRICAL SPACES NTS



(B) ELECTRICAL EQUIPMENT NAMEPLATE NTS



(E) TYPICAL DEVICE PLACEMENT NTS



(C) TYPICAL ROUGH-IN NTS

LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	TEMP	VOLTS	MOUNTING	REMARKS	BALLAST/ TRANSFORMER	INPUT WATTS
A	LUMINAIRE LED	VPF8 4FT MIN10 50W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SURFACE		0-10V/10%	50
A1	LUMINAIRE LED	VPF8 4FT MIN10 100W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SUSPEND 17'-0" AFF		0-10V/10%	100
B	LITHONIA	2BLT4 40L AD5M G210 LP840	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	30
B1	LITHONIA	2BLT4 30L AD5M G210 LP840 DGA	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE, DRYWALL ADPATERS	80CRI/4000K	UNV	RECESSED		0-10V/10%	22
B2	LITHONIA	2BLT2 20L AD5M G210 LP840	2X2 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	16
C	LUMINAIRE LED	RMO Q11 H16CRSP D14CRSP MIN10 25W 40K MVOLT ALS SES WHT WL	13.5" X 13.5" RECESSED CONFINEMENT FIXTURE, LIGATURE RESISTANT, PRISMATIC ACRYLIC LENS, WHITE FINISH, WET LOCATION	80CRI/4000K	UNV	RECESSED		0-10V/10%	25
D	LITHONIA	ZL1 L24 SMR 1500LM FST MVOLT 40K 80CRI WH	2' STRIP, 1500 LUMENS, CURVED LENS, WHITE FINISH, DAMP LOCATION	80CRI/4000K	UNV	SURFACE		0-10V/10%	17
D1	LITHONIA	ZL1 L48 SMR 3000LM FST MVOLT 40K 80CRI WH	4' STRIP, 3000 LUMENS, CURVED LENS, WHITE FINISH, DAMP LOCATION	80CRI/4000K	UNV	SURFACE		0-10V/10%	30
W	LITHONIA	DSXF3 6 P3 50K 70CRI WFL MVOLT YKCR2 DBLXD	FLOOD LIGHT, ADJUSTABLE HEAD, 24,000 LUMENS, WET LOCATION	70CRI/5000K	UNV	WALL		NO DIM	165

LIGHTING SCHEDULE NOTES:
 1. ALL LAMPS SHALL BE 80+ CRI AND 4000K UNLESS NOTED OTHERWISE.
 2. OTHER FIXTURES MAY BE SUBMITTED FOR APPROVAL UP TO 10 WORKING DAYS PRIOR TO BID DATE, TO ALLOW FOR PROPER EVALUATION. SUBMISSIONS WITHIN 10 WORKING DAYS PRIOR TO BID DATE WILL NOT BE EVALUATED. EQUIPMENT IS APPROVED THROUGH ADDENDUM ONLY.

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FIRE PROTECTION NOTES

A. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.

B. THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.

C. PROVIDE A COMPLETE WET/DRY TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.

D. TH SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.

E. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.

F. DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.

G. ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.

H. THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

I. AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.

J. AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.

K. AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.

L. SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.

M. ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM.

N. THIS DRAWING SET INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THE FIRE PROTECTION CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.

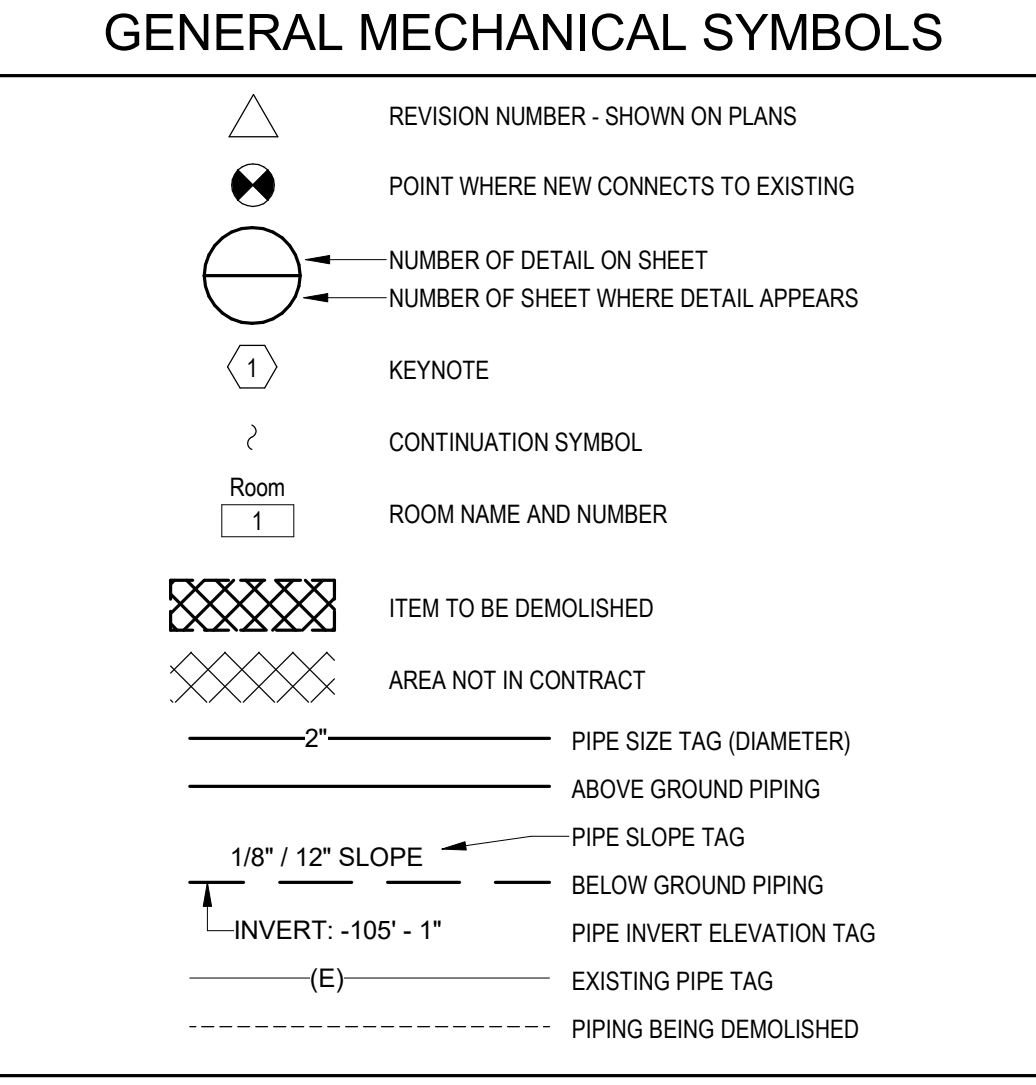
O. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.

P. COORDINATE AND PROVIDE AUTOMATIC AIR VENTS AND ASSOCIATED RELIEF PIPING FOR EACH SPRINKLER SYSTEM WITHIN BUILDING.

Q. FORWARD FLOW TESTING OF BACKFLOW PREVENTER SHALL BE ACCOMPLISHED AT BACKFLOW PREVENTER. REFER TO DETAILS FOR MORE INFORMATION.

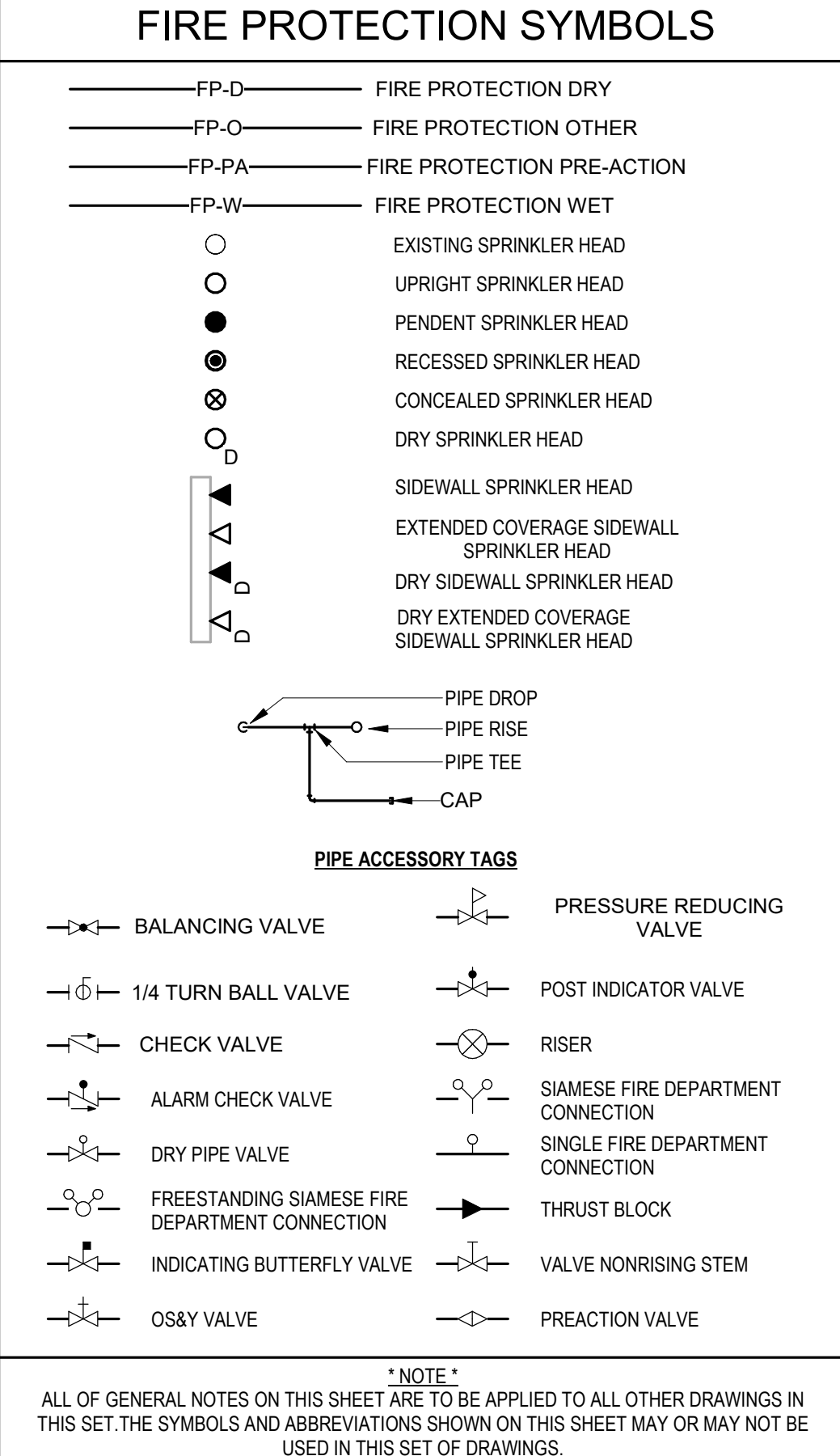
GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
 - FLORIDA BUILDING CODE (FBC) 2023
 - FLORIDA EXISTING BUILDING CODE 2023
 - FBC MECHANICAL 2023
 - FBC PLUMBING 2023
 - FBC ENERGY CONSERVATION 2023
 - FLORIDA FIRE PREVENTION CODE 2023
 - NFPA 1-2021, THE UNIFORM FIRE CODE
 - NFPA 101-2021, THE LIFE SAFETY CODE
 - NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
 - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
 - NFPA 70-2020, NATIONAL ELECTRICAL CODE
 - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS.
 - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
- THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.



ABBREVIATIONS

Ø	DIAMETER	INV	INVERT
ABV	ABOVE	LB	POUND
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ARCH	ARCHITECT/ARCHITECTURAL	MECH	MECHANICAL
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BLW	BELOW	MISC	MISCELLANEOUS
CAP	CAPACITY	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
D	DEGREE	NTS	NOT TO SCALE
DN	DOWN	PD	PRESSURE DROP
ELEC	ELECTRICAL	PIV	POST INDICATOR VALVE
F	FAHRENHEIT	PSI	POUNDS PER SQUARE INCH
FDC	FIRE DEPARTMENT CONNECTION	REC	RECESSED
FPM	FEET PER MINUTE	RM	ROOM
FT	FOOT/FEET	SF	SQUARE FOOT/FEET
GAL	GALLON	SP	STANDPIPE
GPM	GALLONS PER MINUTE	SP	STATIC PRESSURE
HYD	HYDRANT	TYP	TYPICAL
IN	INCH	UG	UNDERGROUND



DELEGATED DESIGN REQUIREMENTS

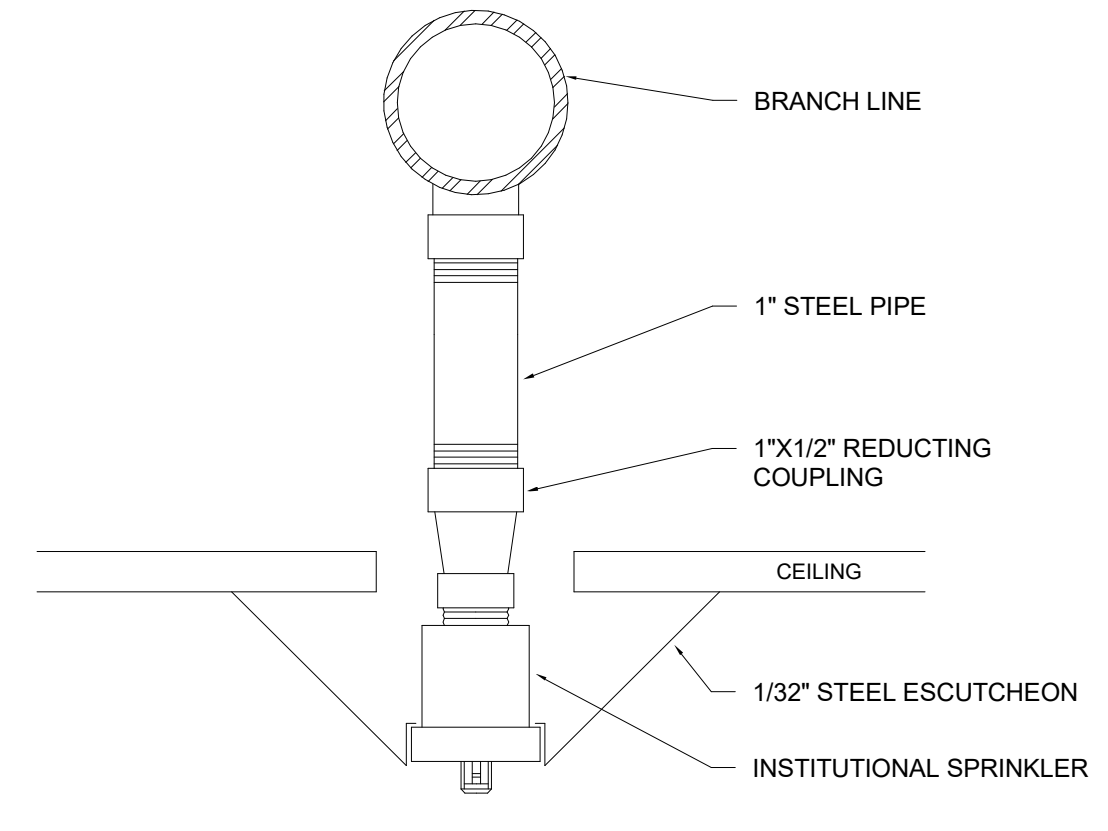
A. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS, AS DEFINED PER F.A.C. 61G15-32.002(5), REPRESENT THE OVERALL SCOPE, DESIGN INTENT, AND COVERAGE AREA FOR THE FIRE PROTECTION SYSTEM WITHIN THE PROJECT SCOPE. DELEGATED ENGINEER IS RESPONSIBLE FOR DESIGNING A FIRE PROTECTION SYSTEM FOR THE ENTIRE BUILDING, PERMITTED AND APPROVED PER NFPA AND BY THE AUTHORITY HAVING JURISDICTION.

B. DELEGATED ENGINEER SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:

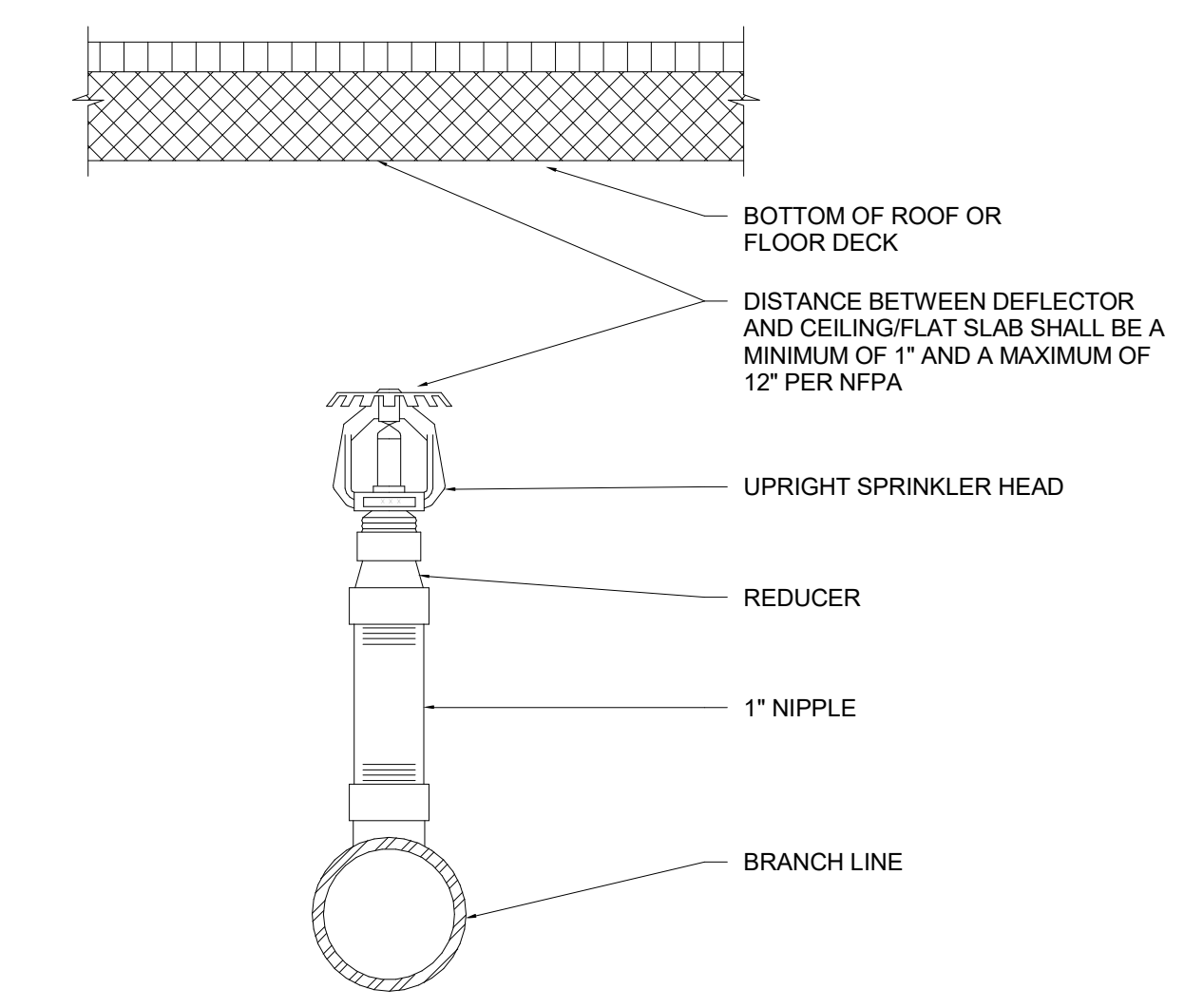
- SPRINKLER SYSTEM DRAWINGS, INCLUDING SPRINKLER SYSTEM LAYOUT, NODE IDENTIFICATION AND NODE SPOT ELEVATIONS.
- HYDRAULIC CALCULATIONS AND PIPE SIZES. SIZE PIPING TO PROVIDE AN EXCESS RESIDUAL PRESSURE OF 10 PSI AT THE HYDRAULICALLY MOST DEMANDING POINT AT SYSTEM DESIGN FLOW.
- SPRINKLER SYSTEM DESIGN, CALCULATIONS, DETAILED WORKSHEETS, WATER SUPPLY CURVE, AND SPRINKLER SYSTEM DEMAND CURVE.
- SPRINKLER HEAD PRODUCT DATA SHEETS WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
- ADDITIONAL SPRINKLER SYSTEM SPECIFICATIONS AS REQUIRED FOR COMPLIANCE WITH NFPA 13, CHAPTER 27 PLANS AND CALCULATIONS, PRIOR TO AUTOMATIC SPRINKLER SYSTEMS INSTALLATION.
- ALL NECESSARY COMPONENTS, SYSTEMS MATERIALS, ASSEMBLIES, EQUIPMENT, AND SUPPORT SYSTEMS REQUIRED.

C. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, AND SPRINKLER HEADS WITH ALL OTHER TRADE SYSTEMS TO AVOID CONFLICTS AND MAINTAIN ARCHITECTURAL ELEMENTS OF THE BUILDING.

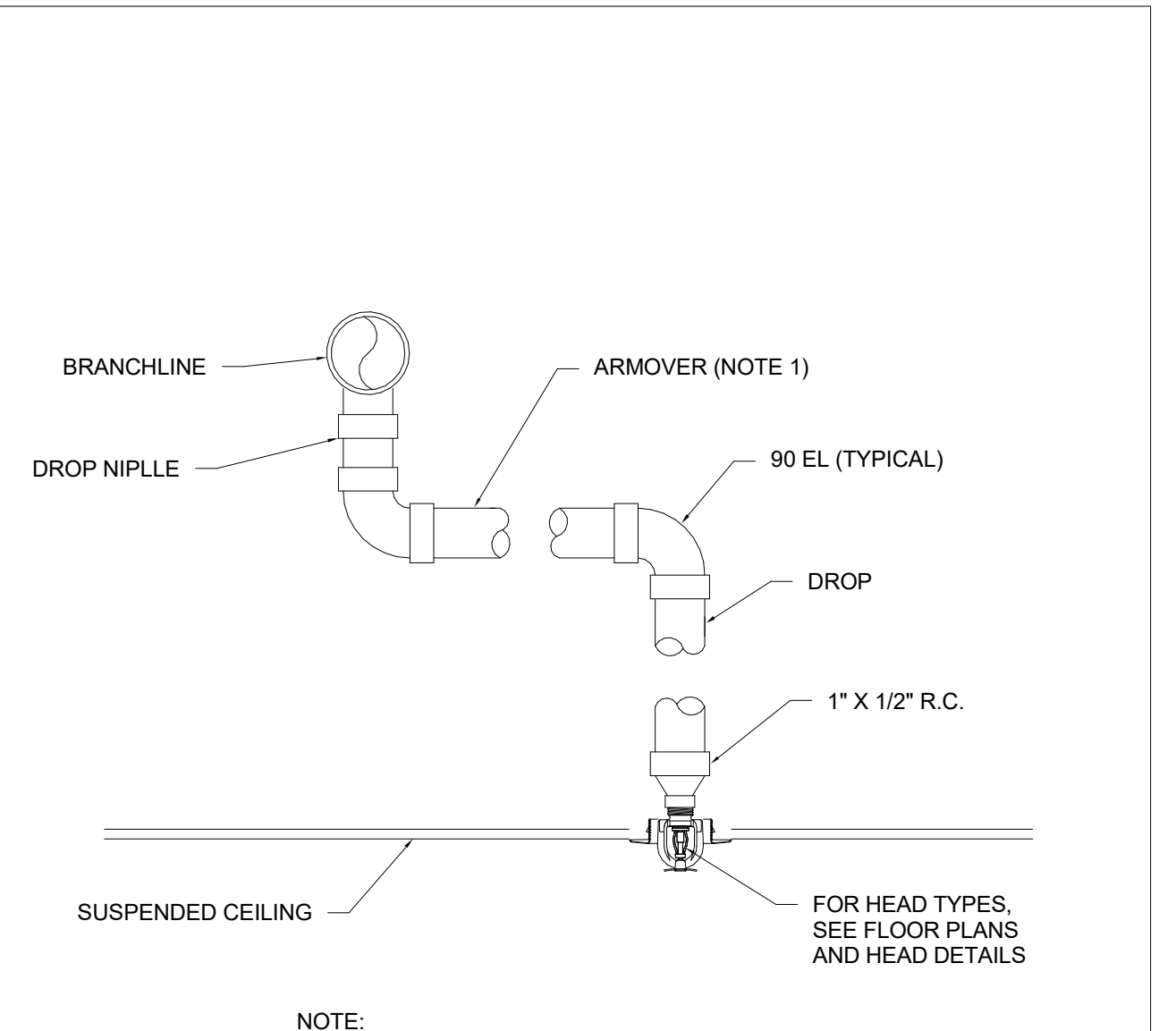
D. COORDINATE SPRINKLER HEAD TYPES AND LOCATIONS WITH ARCHITECTURAL FINISHES AND OTHER CEILING MOUNTED DEVICES.



2 INSTITUTIONAL PENDENT SPRINKLER HEAD N.T.S.



3 UPRIGHT SPRINKLER HEAD DETAIL N.T.S.



1 SWING ARM ASSEMBLY DETAIL N.T.S.

FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA

HAZARD SYMBOL	SPACE TYPE	HAZARD CLASSIFICATION	SYSTEM TYPE	DISCHARGE DENSITY	REMOTE AREA	MAXIMUM COVERAGE AREA PER SPRINKLER	MAXIMUM SPACING	WATER SUPPLY DURATION	OUTSIDE HOSE ALLOWANCE	TEMPERATURE CLASSIFICATION	SPRINKLER TYPE	NOTES
				GPM/FT ²	FT ²	FT ²	FT.	MINUTES	GPM			
	GENERAL, EXCEPT AS LISTED BELOW	LIGHT HAZARD	WET PIPE	0.10	1,500	225	15	30	100	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	GENERAL, EXCEPT AS LISTED BELOW	ORDINARY HAZARD GROUP 1	WET PIPE	0.15	1,500	130	15	60-90	250	INTERMEDIATE	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	GENERAL, EXCEPT AS LISTED BELOW	ORDINARY HAZARD GROUP 2	WET PIPE	0.20	1,500	130	15	60-90	250	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1

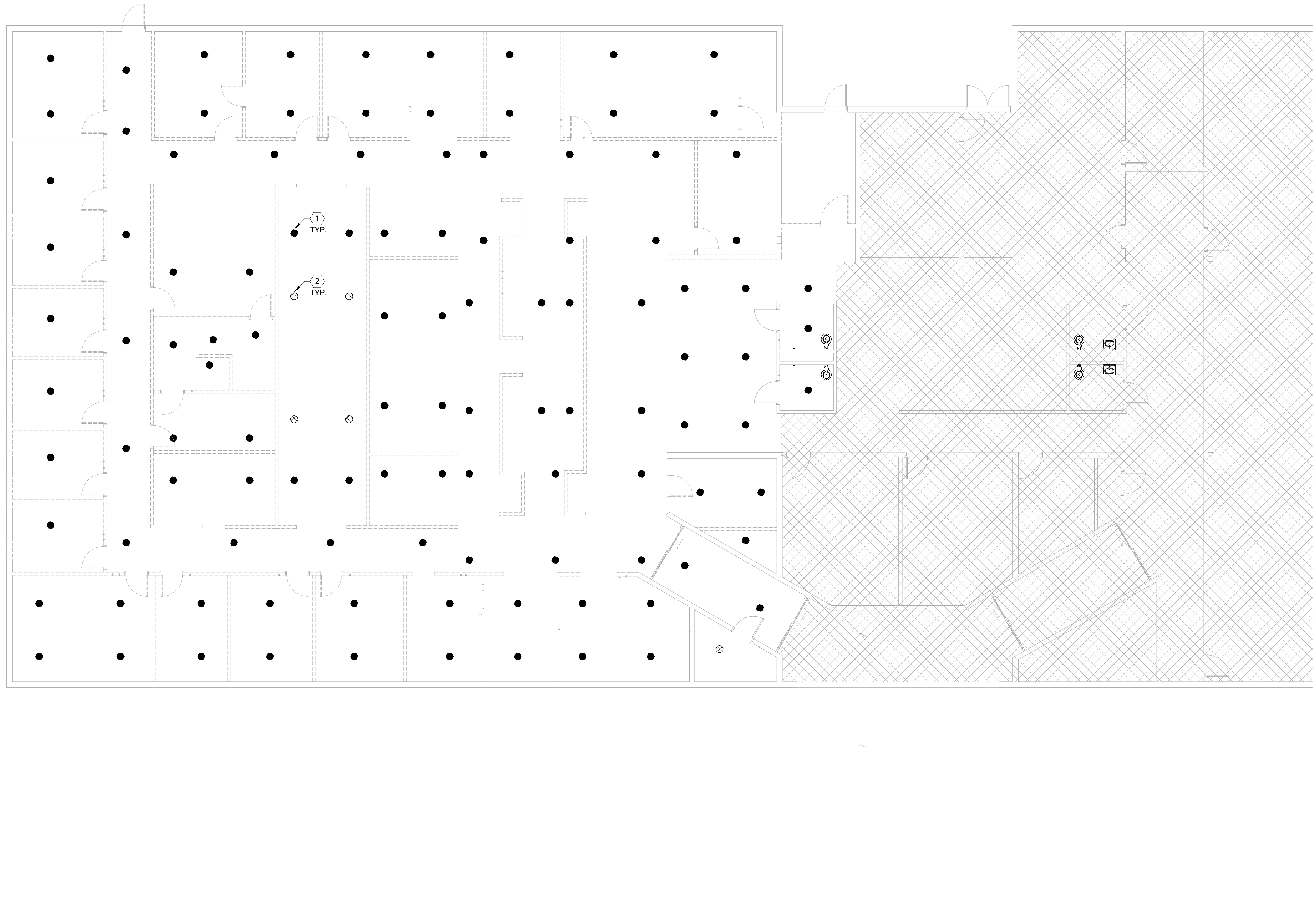
NOTES:
 1. WATER DEMAND REQUIREMENTS ARE FOR HYDRAULIC CALCULATION METHOD. IF OTHER METHOD IS USED ADJUST VALUES ACCORDING TO NFPA 13 REQUIREMENTS.

FIRE PROTECTION SHEET LIST

Sheet Number	Sheet Name
F-001	NOTES & LEGENDS - FIRE PROTECTION
FD-101	FIRE PROTECTION DEMOLITION PLAN
F-101	FIRE PROTECTION RENOVATION PLAN

#	KEYNOTES
1	REMOVE AND PROPERLY DISPOSE OF ALL UPRIGHT FIRE SPRINKLERS WITHIN JIA.
2	REMOVE AND PROPERLY DISPOSE OF ALL PENDENT FIRE SPRINKLERS WITHIN JIA.

FIRE PROTECTION GENERAL NOTES	
A.	CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.
B.	FIRE SUPPRESSION SYSTEM SHALL REMAIN ACTIVE DURING CONSTRUCTION UNTIL NEW SPRINKLERS ARE READY TO INSTALL. PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLERS ARE INSTALLED.
C.	PROVIDE FIRE WATCH WITHIN SPACE COMPLIANT WITH NFPA 25 WHEN SERVICE INTERRUPTIONS EXCEED 10 HOURS WITHIN A 24 HOUR PERIOD.
D.	ALL EXISTING FIRE PIPING SERVING SPRINKLERS IN AREAS BEYOND LIMITS OF CONSTRUCTION TO BE MAINTAINED.



1 FIRE PROTECTION DEMOLITION PLAN
1/8" = 1'-0"

HCSO MENTAL HEALTH CLINIC

Enter address here

FIRE PROTECTION DEMOLITION PLAN

#	ISSUED FOR	DATE
	05% - JIA	06.26.24
	75% - JIA	07.26.24

DRAWN BY: JTD
REVIEW BY: NPS

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58 Lake Morton Dr
Lakeland, FL 33801
P 883.962.1882
F 883.687.6346
W: A0404776

lunz.com

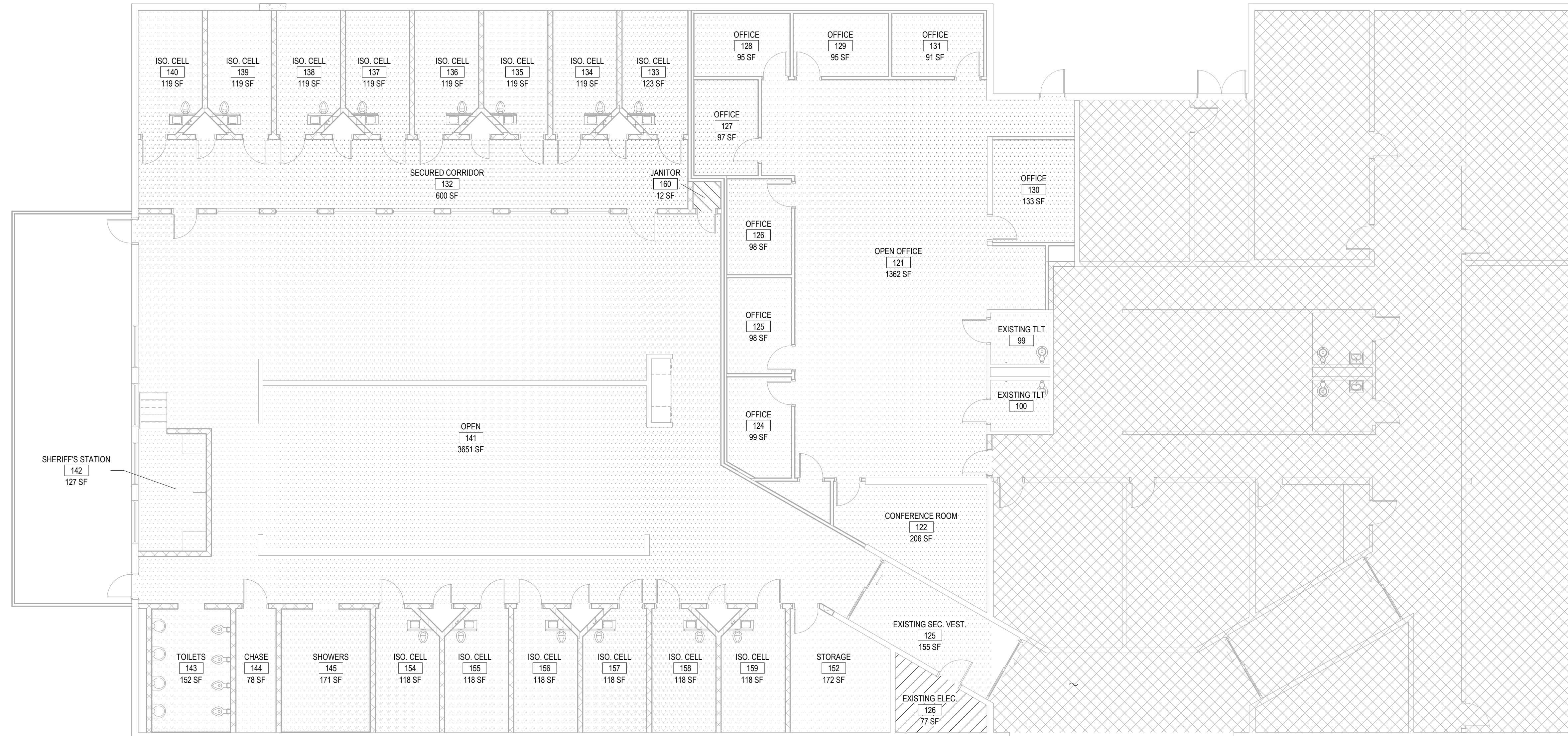
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FD-101

FIRE PROTECTION DESIGN CRITERIA	
HAZARD SYMBOL	HAZARD CLASSIFICATION
	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2
	OUT OF SCOPE

- FIRE PROTECTION GENERAL NOTES**
- CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.
 - FIRE SUPPRESSION SYSTEM SHALL REMAIN ACTIVE DURING CONSTRUCTION UNTIL NEW SPRINKLERS ARE READY TO INSTALL. PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLERS ARE INSTALLED.
 - PROVIDE FIRE WATCH WITHIN SPACE COMPLIANT WITH NFPA 25 WHEN SERVICE INTERRUPTIONS EXCEED 10 HOURS WITHIN A 24 HOUR PERIOD.
 - ALL EXISTING FIRE PIPING SERVING SPRINKLERS IN AREAS BEYOND LIMITS OF CONSTRUCTION TO BE MAINTAINED.

KEYNOTES



1 FIRE PROTECTION RENOVATION PLAN
1/8" = 1'-0"

HCSO MENTAL HEALTH CLINIC

Enter address here

FIRE PROTECTION RENOVATION PLAN

#	ISSUED FOR	DATE
	05% - JIA	06.20.24
	75% - JIA	07.26.24

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REVIEW BY: NPS
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58 Lake Morton Dr
Lakeland, FL 33801
P 883.862.1882
F 883.687.6346
W: A0404776

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F-101