

#### VICINTY MAP

DRAWING INDEX			
SHEET NUMBER	SHEET NAME	DD 06.20.2024	75% CD 07.26.2024
GENERAL		-	
G-000	COVER SHEET	Х	X
G-001	CODE DATA	Х	X
G-200	GENERAL NOTES		X
G-300	ACCESSIBILITY & MOUNTING HEIGHTS		X
ARCHITECTUR	E		
LS-101	LIFE SAFETY PLAN	Х	Х
AD-101	DEMOLITION PLAN JIA	Х	Х
A-101	DIMENSION FLOOR PLAN	Х	X
A-102	ANNOTATED FLOOR PLAN	Х	X
A-111	REFLECTED CEILING PLAN	Х	Х
A-401	ENLARGED PLANS AND ELEVATIONS	Х	Х
A-402	ENLARGED RESTROOM PLANS AND ELEVATIONS		Х
A-403	MILLWORK DETAILS		Х
A-500	WALL TYPES		Х
MECHANICAL	1	Į	ł
M-001	MECHANICAL NOTES, LEGENDS, & ABBREVIATIONS	Х	Х
MD-101	PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1	Х	Х
MH-101	PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1	Х	Х
M-401	MECHANICAL SECTION VIEWS	Х	Х
M-501	MECHANICAL DETAILS	Х	Х
M-601	MECHANICAL SCHEDULES	Х	Х
PLUMBING			
P-001	PLUMBING NOTES, LEGENDS, & SCHEDULES	Х	X
PD-101	PLUMBING DEMOLITION PLAN - SANITARY AND VENT	X	X
PD-201	PLUMBING DEMOLITION PLAN - DOMESTIC WATER	X	X
P-101	PLUMBING RENOVATION PLAN - SANTARY AND VENT	X	X
P-201	PLUMBING RENOVATION PLAN - DOMESTIC WATER	X	X
P-401	PLUMBING RENOVATION - ENLARGED PLANS	X	X
P-501	PLUMBING DETAILS	X	X
P-901	SANITARY & VENT ISOMETRIC	Λ	X
P-902	DOMESTIC WATER ISOMETRIC		X
ELECTRICAL			Λ
E-001	ELECTRICAL LEGENDS & ABBREVIATIONS	Х	X
ED-101	PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1	× X	X
E-101	PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE T	X	X
E-101 E-102	PARTIAL FLOOR PLAN - LIGHTING - PHASE 1 PARTIAL FLOOR PLAN - POWER-PLASE 1	X	X
		X	X
FIRE PROTECT		V	N N
F-001	NOTES & LEGENDS - FIRE PROTECTION	X	X
FD-101	FIRE PROTECTION DEMOLITION PLAN	X	X
F-101	FIRE PROTECTION RENOVATION PLAN	X	X

# HCSO MENTAL HEALTH POD - JIA

#### 24001.01

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

#### THE LUNZ GROUP

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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

#### 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: INSTITUTIONAL GROUP I-3: RENOVATION SQUARE FOOTAGE: TOTAL SQUARE FOOTAGE:

2,535 SF 8,055 SF 9,581 SF 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	
(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		

B AND I-3	
DOOR RATINGS AT 1 HR RATED FIRE PARTITION (TABLE 716.5)	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 FACILITES (FPC CHAPTER 403.1) **INSTITUTIONAL - 32 PERSONS** BUSINESS - 17 PERSONS / 9 EACH SEX

CATEGORY	ORY WATER CLOSETS		LAVATORIES		BATH/SHOWERS		DRINKING FOUNTAINS		OTHER -
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	SERVICE SINK
INSTITUTIO	NAL (14 CELL	.S / 18 GENE	RAL)						
CELLS	14	18	14	18	0.93	4	0.00		1
GENERAL	1.2	4	1.2	4	1.2	4	0.32		
BUSINESS (9 PERSONS EACH SEX)									
MALE	0.36	2*	0.23	2*			0.17		1
FEMALE	0.36	2*	0.23	2*			0.17		



### JIA 00 Ω HEALTH MENTAL HCSO

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FALKE

MPA.

DATA

CODE

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

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#### ABBREVIATIONS

NOTE: ALL ABBREVIATIONS ARE GENERAL AND MAY NOT NECESSARILY APPEAR WITH IN THIS SET OF DRAWINGS.

	ANCHOR BOLT	F.D.	FLOOR DRAIN
ABV. ACC.	ABOVE ACCESS	F.E. F.E.C.	FIRE EXTINGU FIRE EXTINGU
ACOUS.	ACOUSTICAL	F.F.	FINISH FLOOF
A.C.T.	ACOUSTICAL CEILING TILE AIR CONDITIONER	F.H. F.H.C.	FULL HEIGHT FIRE HOSE C
ADD.	ADDENDUM	F.H.R.	FIRE HOSE R
ADH. ADJ.	ADHESIVE ADJUSTABLE	F.H.S. FIN.	FIRE HOSE S <sup>-</sup> FINISH
A.F.F.	ABOVE FINISH FLOOR ALTERNATE	FL. FLASH.	FLOOR FLASHING
ALUM.	ALUMINUM	FLEX.	FLEXIBLE
ANCH. ANNUNC.	ANCHOR ANNUNCIATOR	FLUOR. FPRF.	FLUORESCEN FIREPROOF
ANOD.	ANODIZED ACCESS PANEL	F.P.S.C. FT.	FIREPROOF S FOOT (FEET)
APPROX.	APPROXIMATE	F.T.F.	FACE TO FAC
ARCH.	ACID RESISTING ARCHITECTURAL	FTG. FURN.	FOOTING FURNISH
ASPH.	ABOVE SLAB ASPHALT	FURR. FUT.	FURRING FUTURE
ASST.	ASSISTANT		
AUTO.	AUTOMATIC	GA. GALV.	GAUGE GALVANIZED
	BOTTOM OF BASEBOARD	G.C. GEN.	GENERAL CO GENERAL
	BOARD	GL.	GLASS
BLDG. BKL.	BUILDING BLOCK	GND. G.PL.	GROUND GYPSUM PLA
BKLG.	BLOCKING	GVL.	GRAVEL
	BEAM BENCH MARK	G.W.B. GYP.	GYPSUM WAL GYPSUM
BOT. BRG.	BOTTOM BEARING	GYP. BD.	GYPSUM BOA
BRK.	BRICK	H.	HIGH
BSE.	BOTH SIDES BASE	H.C. HDCP.	HOLLOW COF
BSMT. B.T.B.	BASEMENT BACK TO BACK	HDW. HDWD.	HARDWARE HARDWOOD
B.U.R.	BUILT UP ROOFING	H.M.	HOLLOW MET
CAB.	CABINET	H.O. Horiz.	HOLD OPEN HORIZONTAL
	CATCH BASIN	H.P. HR.	HIGH POINT
CCTV. CEM.	CLOSED CIRCUIT TELEVISION CEMENT	HT.	HOUR HEIGHT
C.FL.	COUNTER FLASHING CORNER GUARD	HTG. H.V.A.C.	HEATING HEATING, VEI
CIRC.	CIRCULATION		AIR CONDITIC
	CONTROL JOINT CAULK (ING)	H.W.	HOT WATER
CLG.	CENTER LINE CEILING	I.D. IN.	INSIDE DIAME INCH(ES)
CLO.	CLOSET	INCAND.	INCANDESCE
CLR. CLS.	CLEAR CLOSURE	INCL. INFO.	INCLUDE(D)
C.M.U.	CONSTRUCTION MANAGER CONCRETE MASONRY UNIT	INSUL. INT.	INSULATION INTERIOR
	CLEAN OUT	INTERM.	INTERMEDIAT
COL. CONC.	COLUMN CONCRETE	INV.	INVERT
CONF.	CONFERENCE	JAN.	
CONN. CONST.	CONNECTION CONSTRUCTION	J.B. J.C.	JOIST BEARIN JANITOR'S CL
CONT. CONTR.	CONTINUOUS CONTRACTOR	JT.	JOINT
COORD.	COORDINATE	K.D.	KNOCK DOWI
CORR.	CORRIDOR CONTROL PANEL	K.O. KIT.	KNOCK OUT KITCHEN
CPT.	CARPET CLINICAL SINK	K.S.	KNEE SPACE
	CERAMIC TILE	LAB.	LABORATORY
C.T.C. C.T.G.	CENTER TO CENTER CLEAR TEMPERED GLASS	LACQ. LAM.	LACQUERED LAMINATE(D)
CTR. CTSK.	CENTER COUNTRESUNK	LAV. LB.(s)	LAVATORY POUND(S)
	CUBIC	L.F.	LINEAR FOOT
C.W. C.W.G.	COLD WATER CLEAR WIRE GLASS	LGT. L.H.	LENGTH LEFT HAND
	DRAIN	LIN. LKR.	LINEN LOCKER
DBL.	DOUBLE	L.L.	LEAD LINED
DEG. DEMO.	DEGREE DEMOLISH	L.P. LT.	Low Point Light
DEPT.	DEPARTMENT	LT.WT.	LIGHTWEIGH
DET.	DETAIL DRINKING FOUNTAIN	MAR.	MARBLE
DIAG.	DIAMETER DIAGONAL	MAINT. MAS.	MAINTENANC MASONRY
DIFF.	DIFFUSER	MATL.	MATERIAL
DISP.	DIMENSION DISPENSER	MAX. MECH.	MAXIMUM MECHANICAL
	DIVISION DOWN	MEMB. MEZZ.	MEMBRANE MEZZANINE
	DOOR OPENING	MFR.	MANUFACTU
	DAMPPROOFING DOOR	MGMT. MIN.	MANAGEMEN MINIMUM
DTL.	DOWNSPOUT	MISC.	MISCELLANE MASONRY OF
	DETAIL DISH WASHER	M.O. MOV.	MOVABLE
DWG.	DRAWING	M.R. MTD.	MOISTURE RE
	EAST	MTG.	MOUNTING
	EACH EXPANSION BOLT	MTL. MUL.	METAL MULLION
E.F.S. E.I.F.S.	EXTERIOR FINISH SYSTEM EXTERIOR INSULATION FINISH SYSTEM	Ν.	NORTH
L.I.I .U.	EXPANSION JOINT	N.C.	NURSE CALL
ELEC.	ELEVATION ELECTRICAL	N.I.C. NO.	NOT IN CONT NUMBER
ELEV. EMER.	ELEVATOR EMERGENCY	NOM. N.T.S.	NOMINAL NOT TO SCAL
ENCL.	ENCLOSURE		
ENGR. ENT.	ENGINEER ENTRANCE	0.A. 0.C.	OVERALL ON CENTER
E.PNL.	ELECTRICAL PANEL	O.D.	OUTSIDE DIAI
EQUIP.	EQUAL EQUIPMENT	OFF. OH.	OFFICE OVERHEAD
EXH. EXIST.	EXHAUST EXISTING	opng. opp.	OPENING OPPOSITE
EXP.	EXPANSION	OPP.H.	OPPOSITE HA
EXPO. EXT.	EXPOSED EXTERIOR	0.T.O. P.A.	OUT TO OUT PUBLIC ADDR
	FABRIC FACE OF	PART. PAV.	PARTITION
	FACE OF FIRE ALARM	PAV. P.C.	PAVEMENT

FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER CABINET FINISH FLOOR FULL HEIGHT FIRE HOSE CABINET FIRE HOSE CABINET FIRE HOSE STATION FINISH FLOOR FLASHING FLEXIBLE FLUORESCENT FIREPROOF FIREPROOF SELF CLOSING FOOT (FEET) FACE TO FACE FOOTING FURNISH FURRING FUTURE	P.F. PFB. PFN. PL. P.LAM. PLAS. PLBG. PLWD. P.M. PNL. PNL. PNT. POL. PR. PROP. P.S. P.S.F. P.S.F. P.S.I. PT. P.T. PTD. PTN.	PANEL FABRIC PREFABRICATE(D) PREFINISHED PLATE PLASTIC LAMINATE PLASTER PLUMBING PLYWOOD PRESSED METAL PANEL PAINT POLISHED PAIR PROPERTY PULL STATION POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCHES POINT PRESSURE TREATED PAINTED PARTITION
GAUGE GALVANIZED GENERAL CONTRACTOR	Q.T. QTY.	QUARRY TILE QUANTITY
GENERAL GLASS GROUND GYPSUM PLASTER GRAVEL GYPSUM WALL BOARD GYPSUM BOARD HIGH HOLLOW CORE HANDICAPPED HARDWARE HARDWOOD HOLLOW METAL HOLD OPEN	R. RAD. R.B. R.C.P. REC. RECEP. REF. REFR. REINF. REQ'D. RESIL. REV. R.H. R.M. R.O.	RISER RADIUS RUBBER BASE REFLECTED CEILING PLAN ROOF DRAIN RECESSED RECEPTION REFERENCE REFRIGERATOR REINFORCED(REINFORCING) REQUIRE RESILIENT REVISION RIGHT HAND ROOM ROUGH OPENING
HORIZONTAL HIGH POINT HOUR HEIGHT	S. SAN. S.C.	SOUTH SANITARY SOLID CORE
HEATING HEATING, VENTILATING, AIR CONDITIONER HOT WATER	SCHED. S.D. SECT. SECUR. S.F.	SCHEDULE SOAP DISPENSER SECTION SECURITY SQUARE FOOT(FEET)
INSIDE DIAMETER INCH(ES) INCANDESCENT INCLUDE(D)	SHR. SHT. SIM. SNT.	SHOWER SHEET SIMILAR SEALANT
INCLODE(D) INFORMATION INSULATION INTERIOR INTERMEDIATE INVERT	SPEC. SPKR. SQ. S.S. S.SK.	SEALANT SPECIFICATION SPEAKER SQUARE STAINLESS STEEL SERVICE SINK
JANITOR JOIST BEARING JANITOR'S CLOSET JOINT	STA. S.T.C. STD. STER. STL.	STATION SOUND TRANSMISSION CLASS STANDARD STERILIZER STEEL
KNOCK DOWN KNOCK OUT KITCHEN KNEE SPACE	STN. STOR. STRUC. SURG. SUSP. SWBD.	STONE STORAGE STRUCTURAL SURGICAL SUSPENDED SWITCHBOARD
	SYM.	SYMMETRICAL
LAMINATE(D) LAVATORY POUND(S) LINEAR FOOT LENGTH LEFT HAND LINEN LOCKER LEAD LINED LOW POINT LIGHT LIGHT LIGHTWEIGHT MARBLE MAINTENANCE	T. T/ T. & B. T. & G. T.B.D. TEL. TEMP. TER. THK. THRU. TLT. T.O.B. T.O.P. TOPO. T.O.S. T.O.SL.	TREAD TOP OF TOP & BOTTOM TONGUE & GROOVE TO BE DETERMINED TELEPHONE TEMPERED TERRAZZO THICK THROUGH TOILET TOP OF BEARING TOP OF PLATE TOPOGRAPHY TOP OF SLAB
MASONRY MATERIAL MAXIMUM MECHANICAL MEMBRANE	T.V. TYP. UNF.	TOP OF STEEL TELEVISION TYPICAL UNFINISHED
MEZZANINE MANUFACTURER MANAGEMENT MINIMUM MISCELLANEOUS	U.N.O. U.O.N. UR. UTIL.	UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED URINAL UTILITY
MASONRY OPENING MOVABLE MOISTURE RESISTANCE MOUNTED MOUNTING METAL MULLION	V. VAC. V.B. V.C.T. VENT. VERT. VEST. V.I.F.	VINYL VACUUM VINYL BASE VINYL COMPOSITION TILE VENTILATION VERTICAL VESTIBULE VERIFY IN FIELD
NORTH NURSE CALL NOT IN CONTRACT NUMBER NOMINAL	VOL. VP.B. V.T. V.W.C.	VOLUME VAPOR BARRIER VINYL TILE VINYL WALL COVERING
NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OFFICE OVERHEAD OPENING OPPOSITE OPPOSITE HANG OUT TO OUT PUBLIC ADDRESS PARTITION PAVEMENT PRECAST	W W/O W.C. WD. WDT. W.F. W.H. W.H. WIN. WIN. WPFG. WSCT. WT. YD.	WEST OR WIDE WITH WITHOUT WATER CLOSET WOOD WIDTH WIDE FLANGE WATER HEATER WROUGHT IRON WINDOW WIRE MESH WATERPROOFING WAINSCOT WEIGHT YARD

#### GENERAL NOTES

5

1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH SITE CONDITIONS AS THEY MAY AFFECT CARRYING OUT THE WORK AS DESCRIBED IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT, AND NOTIFY THE ARCHITECT OF ANY CONDITIONS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.

DIMENSIONS INDICATED ARE TO FACES OF STRUCTURE AND GRID LINES (TYPICAL), UNLESS NOTED OTHERWISE. REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND

INTERIOR ELEVATION REFERENCES WITHIN THOSE AREAS. 4. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS. ALL NOTES ARE TO BE REVIEWED, AND APPLIED TO RELATED BUILDING COMPONENTS. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE THAT ARE SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED OR REASONABLY INFERRED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL COLUMN AND BEARING WALL LOCATIONS AND SIZES.

REFER TO SHEET A-500 FOR PARTITION TYPES, DETAILS, AND DESCRIPTIONS. PARTITION TYPES CONTINUE AROUND CORNERS UNLESS INDICATED OTHERWISE. REFER TO REFLECTED CEILING PLANS FOR SOFFIT LOCATIONS AND CEILING DETAIL REFERENCES.

8. WHERE DOORS IN METAL STUD/GYPSUM BOARD PARTITIONS ARE NOT SPECIFICALLY LOCATED ON THE PLANS WITH DIMENSION STRINGS, PROVIDE A MINIMUM HINGE-SIDE JAMB DIMENSION OF 6" FROM DOOR OPENING TO ADJACENT PERPENDICULAR WALLS. WHERE DOORS APPEAR TO BE CENTERED WITHIN CORRIDORS, LOCATE THE DOORS IN THE CENTER OF THE CORRIDOR. 9. DRAWINGS ARE PREPARED USING DIMENSIONS AND PRODUCT CONFIGURATIONS

OR DETAILS OF SPECIFIC MANUFACTURERS (TYPICALLY THE FIRST MANUFACTURER LISTED UNDER "ACCEPTABLE MANUFACTURERS" IN THE SPECIFICATIONS). DIMENSIONS AND DETAILS FOR SPECIFIC PRODUCTS MAY CHANGE BEFORE THEY ARE ACTUALLY INCORPORATED INTO THE WORK, AND PRODUCTS BY OTHER MANUFACTURERS MAY ALSO BE ACCEPTABLE. THEREFORE, ACTUAL INSTALLATION DETAILS AND DIMENSIONS MAY DIFFER FROM THOSE SHOWN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED IN THE WORK (INCLUDING PARTITION THICKNESSES FOR RECESSED OR SEMI-RECESSED PRODUCTS), AND IS RESPONSIBLE FOR ACCOMMODATING AND

COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES. 10. THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR

THE CONVENIENCE OF THE ARCHITECT AND THE CONTRACTOR. THE SEPARATIONS USED HEREIN ARE USED ONLY FOR THE PURPOSES OF CONVENIENCE AND REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS, OR OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE, INTEGRATED AND UNIFIED WHOLE.

11. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC.) ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL INCLUDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK IN THE BID PROPOSAL.

12. WALL, CEILING, BASE, AND FLOOR FINISHES ARE TO BE PROVIDED IN EVERY ROOM UNLESS THE DRAWINGS SPECIFICALLY INDICATE THAT A ROOM OR PORTION THEREOF IS TO REMAIN "UNFINISHED." IF ROOM FINISHES ARE NOT SPECIFICALLY INDICATED. PROVIDE THE SAME FINISHES AS ARE PROVIDED IN THE ROOM ADJACENT TO THE ROOM IN QUESTIONS, OR OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING.

13. FIRE-RATED CORRIDOR PARTITIONS INDICATED ON FLOOR PLANS ARE COMPONENTS OF CONTINUOUS RATED CORRIDOR ASSEMBLIES CONSISTING OF WALLS, FLOOR, AND CEILING. SEE REFLECTED CEILING PLANS AND PARTITION TYPES FOR SPECIFIC METHODS OF ACHIEVING THE NECESSARY RATINGS. WHERE THE SPECIFIC METHOD OF ACHIEVING THE RATING IS NOT INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING. THE RATING OF THE ENTIRE CORRIDOR MUST BE MAINTAINED. PROVIDE RATED PARTITIONS, FLOORS CEILINGS, AND DOOR OR OTHER OPENING ASSEMBLIES TO MAINTAIN THE CONTINUITY OF THE FIRE RATING. PROVIDE FIRE SAFING AND FIRE-RATED SEALANTS TO MAINTAIN THE CONTINUITY OF THE FIRE-RATED SYSTEM. IF A CEILING RATING IS NOT SPECIFICALLY INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING; OTHERWISE, ASSUME A RATING TO MATCH THE RATING OF THE CORRIDOR WALLS. WHERE MECHANICAL WORK PENETRATES ANY COMPONENT OF THE FIRE-RATED ASSEMBLY, PROVIDE THE APPROPRIATE FIRE AND/OR SMOKE DAMPERS. IF IT IS NOT CLEAR WHETHER DUCTWORK PENETRATES A PORTION OF THE RATED ASSEMBLY, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING.

14. DOOR ASSEMBLIES IN 1-HOUR RATED PARTITIONS ARE TO BE 60-MINUTE RATED UNLESS A HIGHER RATING IS INDICATED IN THE DOOR SCHEDULE. 15. DOOR ASSEMBLIES IN 2-HOUR RATED PARTITIONS ARE TO BE 90-MINUTE RATED UNLESS A HIGHER RATING IS INDICATED IN THE DOOR SCHEDULE. 16. USE TEMPERED GLASS IN ALL OPENINGS WITHIN 18" OF THE FLOOR OR A DOOR, UNLESS ANOTHER FORM OF SAFETY GLAZING IS SPECIFICALLY INDICATED ON THE DRAWINGS. 17. USE FIRE RATED GLAZING IN ALL GLAZED OPENINGS WITHIN FIRE-RATED

CORRIDORS. 18. CAULK ALL JOINTS OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER, AND THE INTERSECTION IS EXPOSED

TO VIEW, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. 19. PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE; PROVIDE FIRE-SAFING AT ALL SLIP-JOINT CONNECTIONS IN FIRE-RATED PARTITIONS. SEE PARTITION TYPES FOR TYPICAL SLIP-JOINT CONNECTION DESIGN. IF AMOUNT OF DEFLECTION TO BE

ACCOMMODATED IS NOT INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO INSTALLATIONS. 20. PAINT ALL EXPOSED STEEL OR WOOD (UNLESS NOTED OTHERWISE). ALL MATERIAL COLORS TO BE SELECTED BY ARCHITECT, UNLESS NOTED

OTHERWISE 22. M.O. (MASONRY OPENING) REFERS TO NOMINAL MASONRY OPENING DIMENSIONS

IN MASONRY CONSTRUCTION. 23. GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT PER MANUFACTURER, NEW AND EXISTING.

#### GENERAL NOTES, CONT.

- 24. REFER TO CIVIL DRAWINGS FOR SITE GRADING; REFER TO ARCHITECTURAL SITE PLAN AND ENLARGED SITE PLANS FOR CONCRETE PAVING PATTERNS AND SPOT ELEVATIONS. 25. STRUCTURAL STEEL OR PRECAST CONCRETE SHAPES ARE SHOWN FOR
- DETAILING OF ARCHITECTURAL FINISHES ONLY; REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL DIMENSIONS, SIZES, SHAPES, AND DETAILS OF CONSTRUCTION FOR SPECIFIC CONDITIONS. 26. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL WALL,
- CEILING, FLOOR, AND BASE MATERIALS AND FINISH DESIGNATIONS. 27. REFER TO REFLECTED CEILING PLANS AND CEILING DETAILS FOR
- CEILING HEIGHTS, SOFFIT HEIGHTS, AND MATERIALS OF CONSTRUCTION. 28. FLASHING, DAMPPROOFING, AND INSULATIONS SHOWN ON WALL SECTIONS INDICATE VERTICAL LOCATIONS ONLY; PROVIDE CONTINUOUS SYSTEMS.
- 29. PROVIDE SEALANT AND BACKER RODS (TYPICAL) AT ALL EXTERIOR DOOR AND WINDOW FRAMES AND LOUVERS. 30. REFER TO WINDOW SCHEDULE AND ELEVATIONS FOR WINDOW AND GLAZING TYPES.
- 31. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR INTERFACES WITH THESE SYSTEMS NOT SHOWN ON WALL SECTIONS. 32. CONTRACTOR OR WINDOW MANUFACTURER TO DESIGN, PROVIDE AND INSTALL COMPLETE ATTACHMENT OF WINDOW TO STRUCTURAL STEEL OR STRUCTURAL CONCRETE, OR STRUCTURAL CONCRETE MASONRY PER

ACCORDANCE WITH APPLICABLE CODES.

SPECIFICATIONS AND WINDOW MANUFACTURER'S REQUIREMENTS AND IN

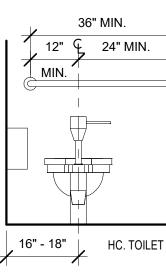
ITEM MOUNTING HEIGHT LAVATORY:

WATER CLOSET:

#### URINAL:

PAPER TOWEL DISPENSER: TOILET PAPER DISPENSER: HAND DRYER: NAPKIN DISPENSER: NAPKIN DISPOSAL: HAND HELD SHOWER HEAD: SHOWER SEAT: SHOWER CONTROLS: SHOWER ROD: GRAB BAR:

MOP HOLDER:

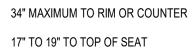


#### STANDARD TOILET ROOM MOUNTING HEIGHTS:

MOUNTING HEIGHTS INDICATED APPLY FOR TYPICAL CONDITIONS UNLESS NOTED OTHERWISE (DIMENSIONS ARE ABOVE FINISH FLOOR (AFF) TYPICAL). IF CONFLICTS ARE DISCOVERED, REVIEW WITH ARCHITECT PRIOR TO INSTALLATION OF BACK BOXES OR FRAMING. CONFIRM AND MODIFY THESE HEIGHTS AS NECESSARY TO CONFORM TO ADA REQUIREMENTS OR, LOCAL CODES.

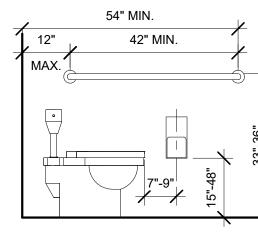
24" MIN.





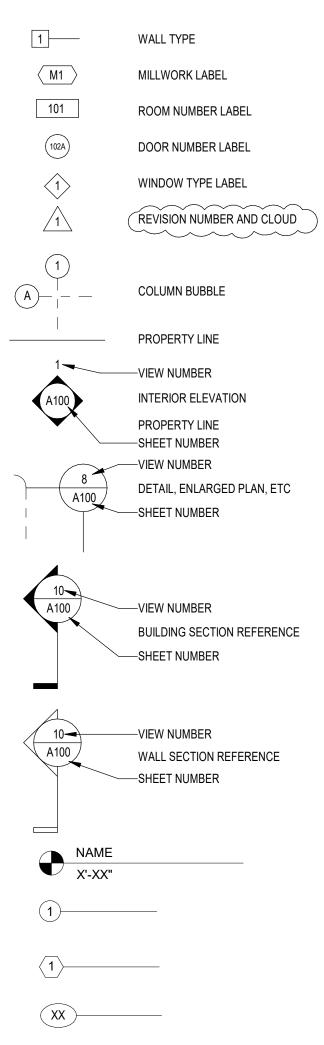
14" - 15" TO RIM 17" MAXIMUM TO RIM

24" TO RIM 40" MAXIMUM TO BOTTOM OF REFLECTIVE SURFACE 35" MAXIMUM TO BOTTOM OF REFLECTIVE SURFACE 48" MAXIMUM TO OPERABLE CONTROLS 48" MAXIMUM TO OPENING FOR TOWELS OR OPERABLE CONTROLS 15" MINIMUM TO 48" MAXIMUM TO OUTLET 48" MAXIMUM TO OPERATIONAL CONTROLS 48" MAXIMUM TO OPERATIONAL CONTROLS 24" TO CENTER 6'-6" TO CENTER, ON 59" MINIMUM HOSE 17" MINIMUM TO 19" MAXIMUM 38" MINIMUM TO 48" MAXIMUM 6'-6" TO CENTER 33" MINIMUM TO 36" MAXIMUM TO TOP OF GRIPPING SURFACE 72" TO TOP



HC. TOILET

#### SYMBOL LEGEND





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NOTE

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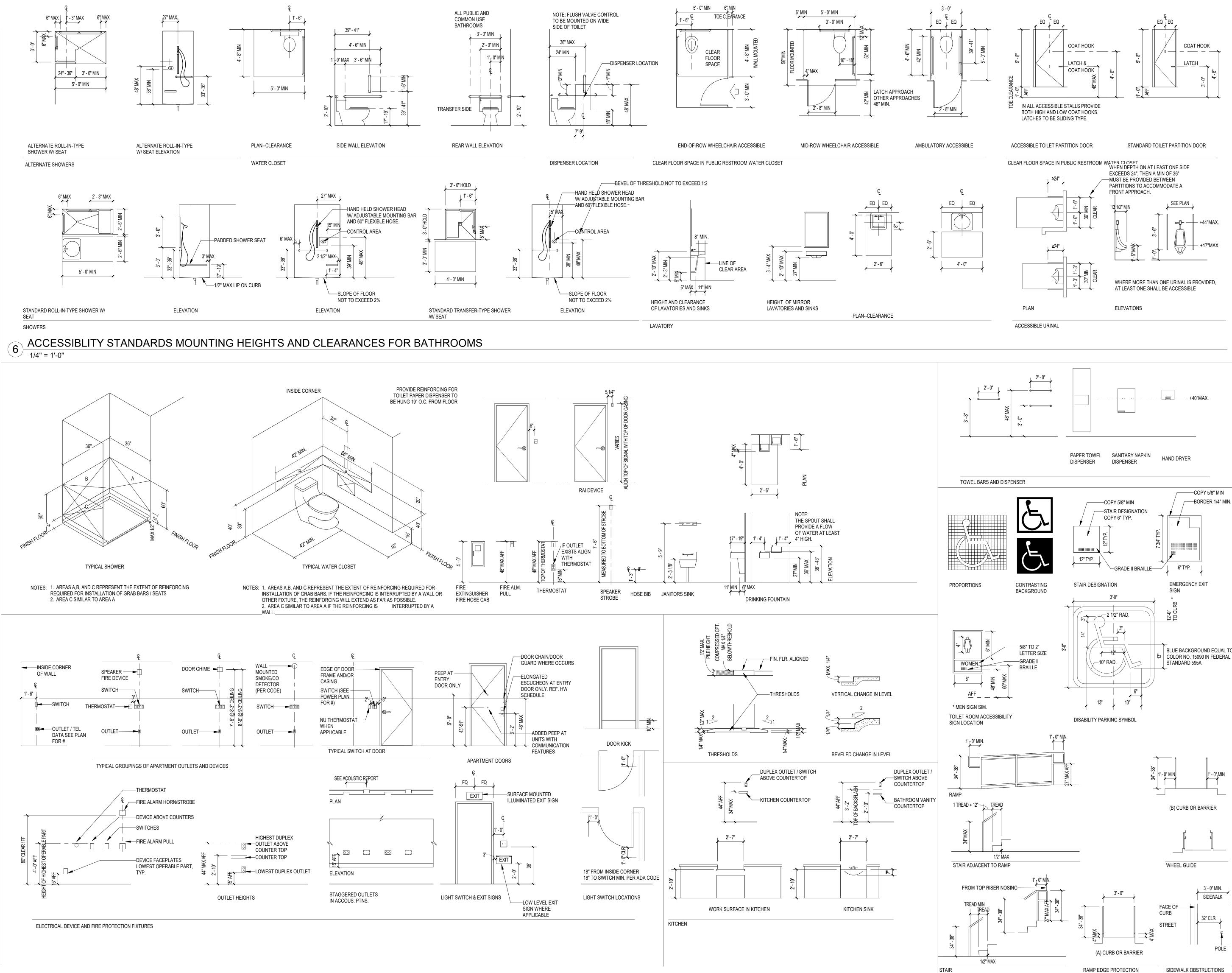
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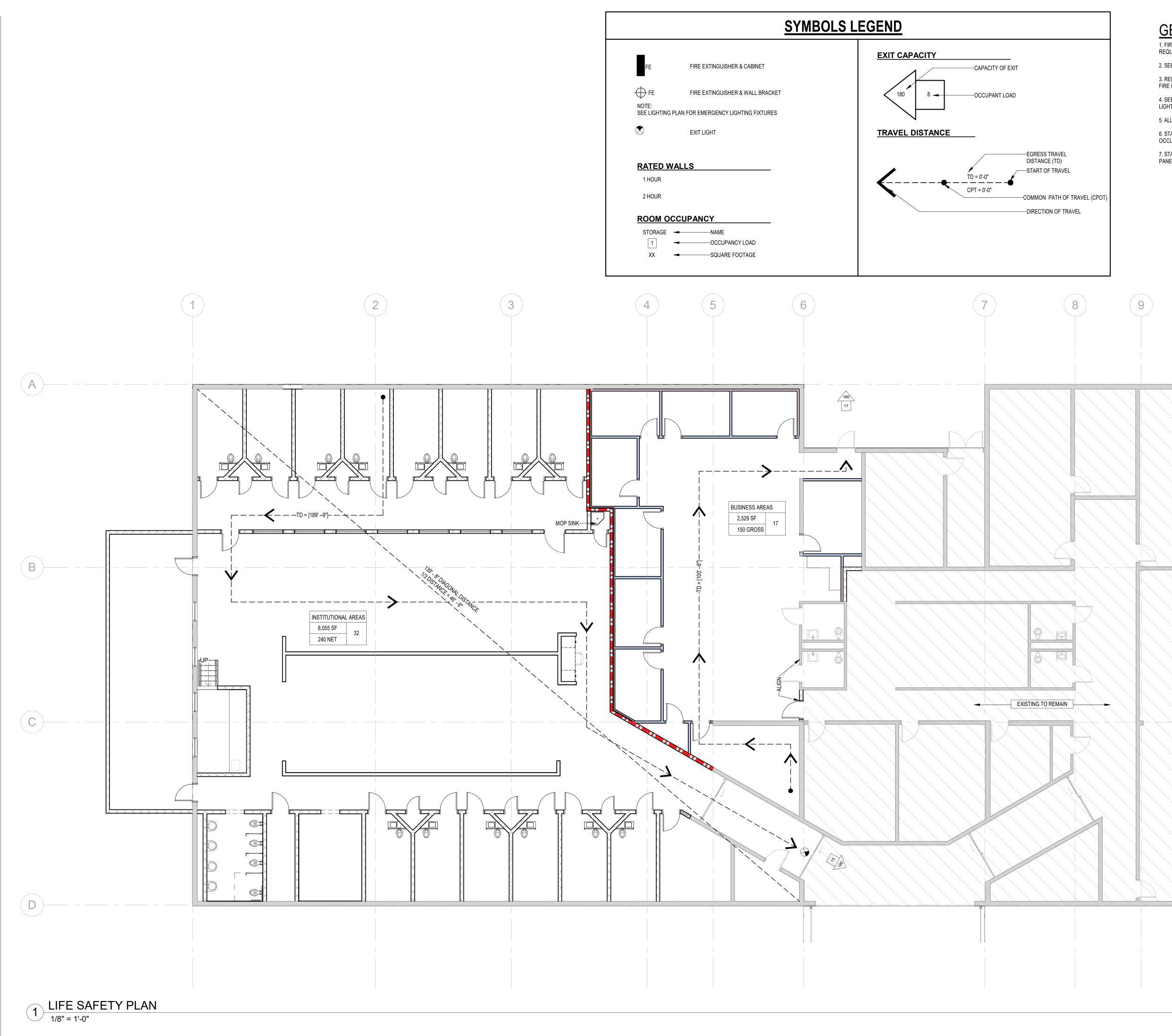
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#### GENERAL SHEET NOTES:

1. FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 10 REQUIREMENTS AND AS DIRECTED BY LOCAL BUILDING OFFICAL.

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



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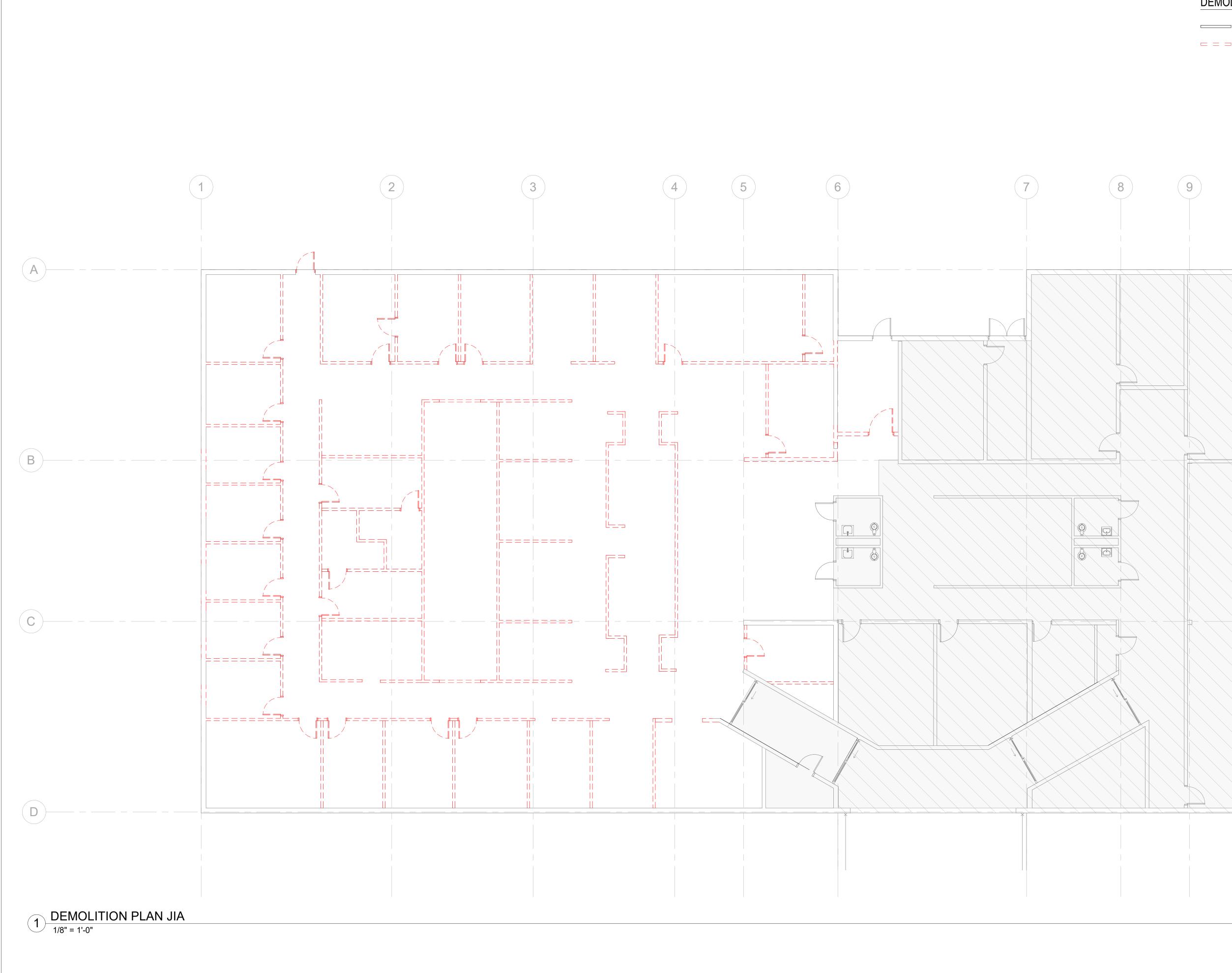
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#### GENERAL NOTES

- 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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**DEMOLITION PLAN JIA** 

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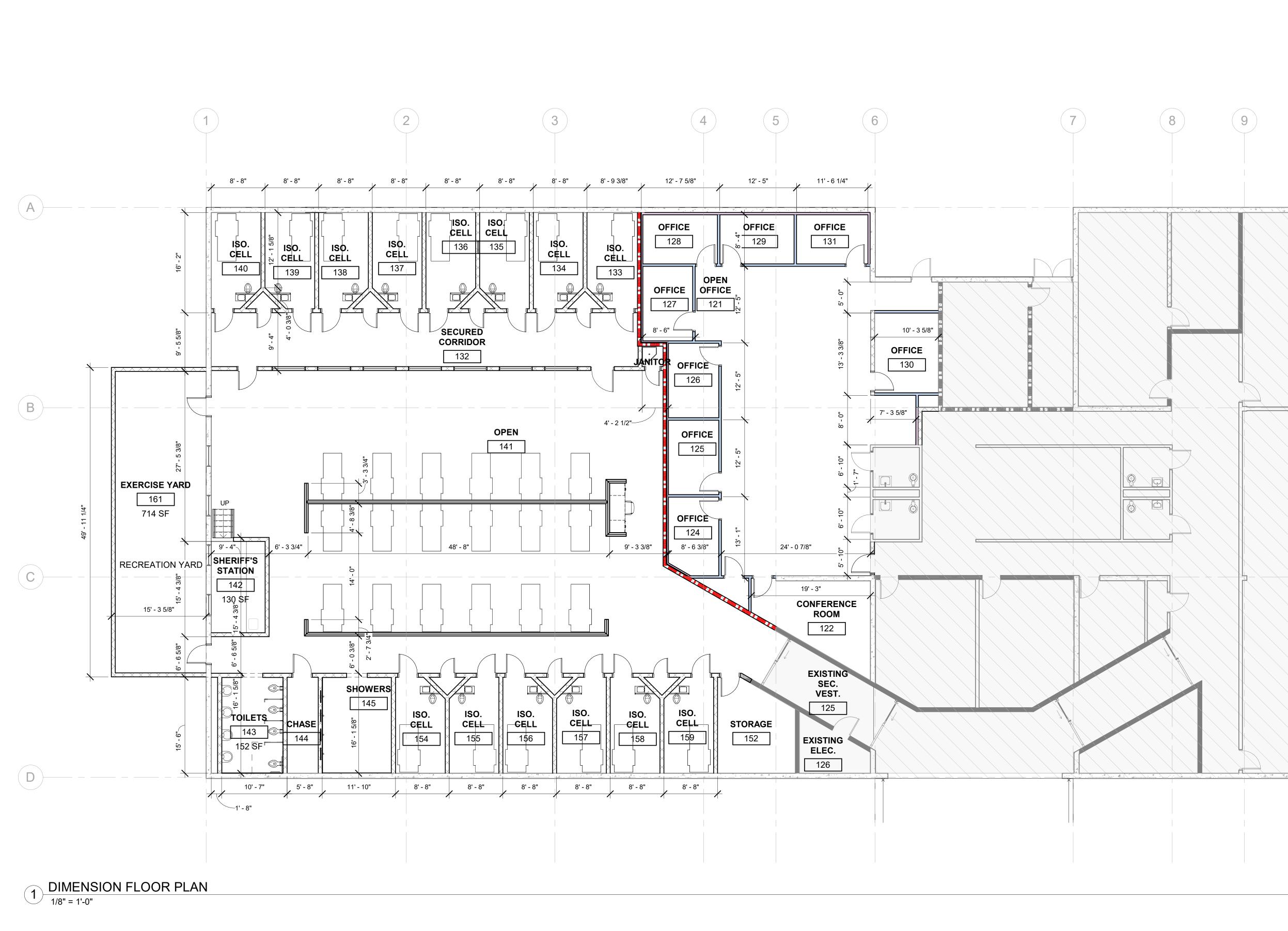
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#### GENERAL SHEET NOTES:

- 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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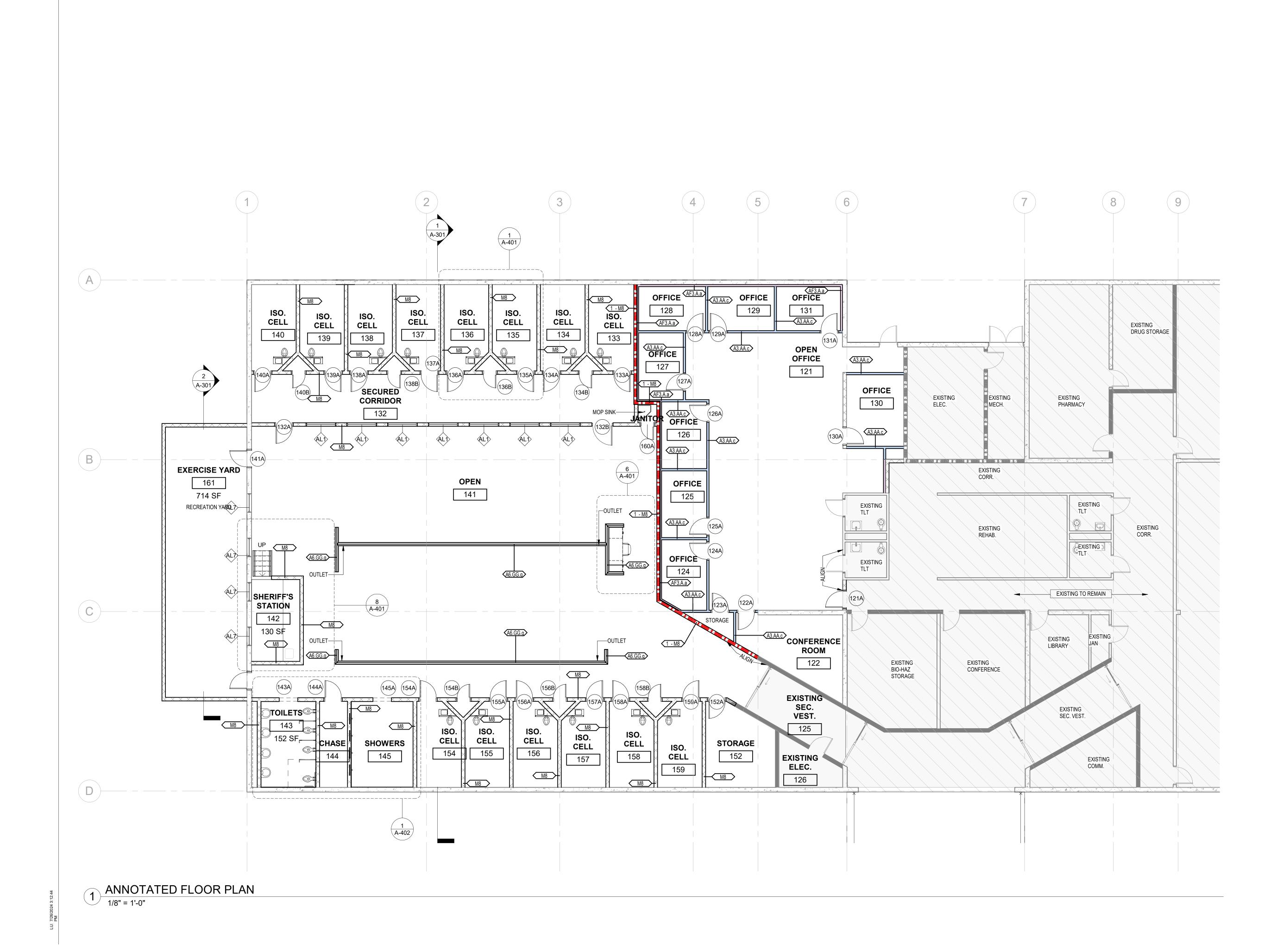
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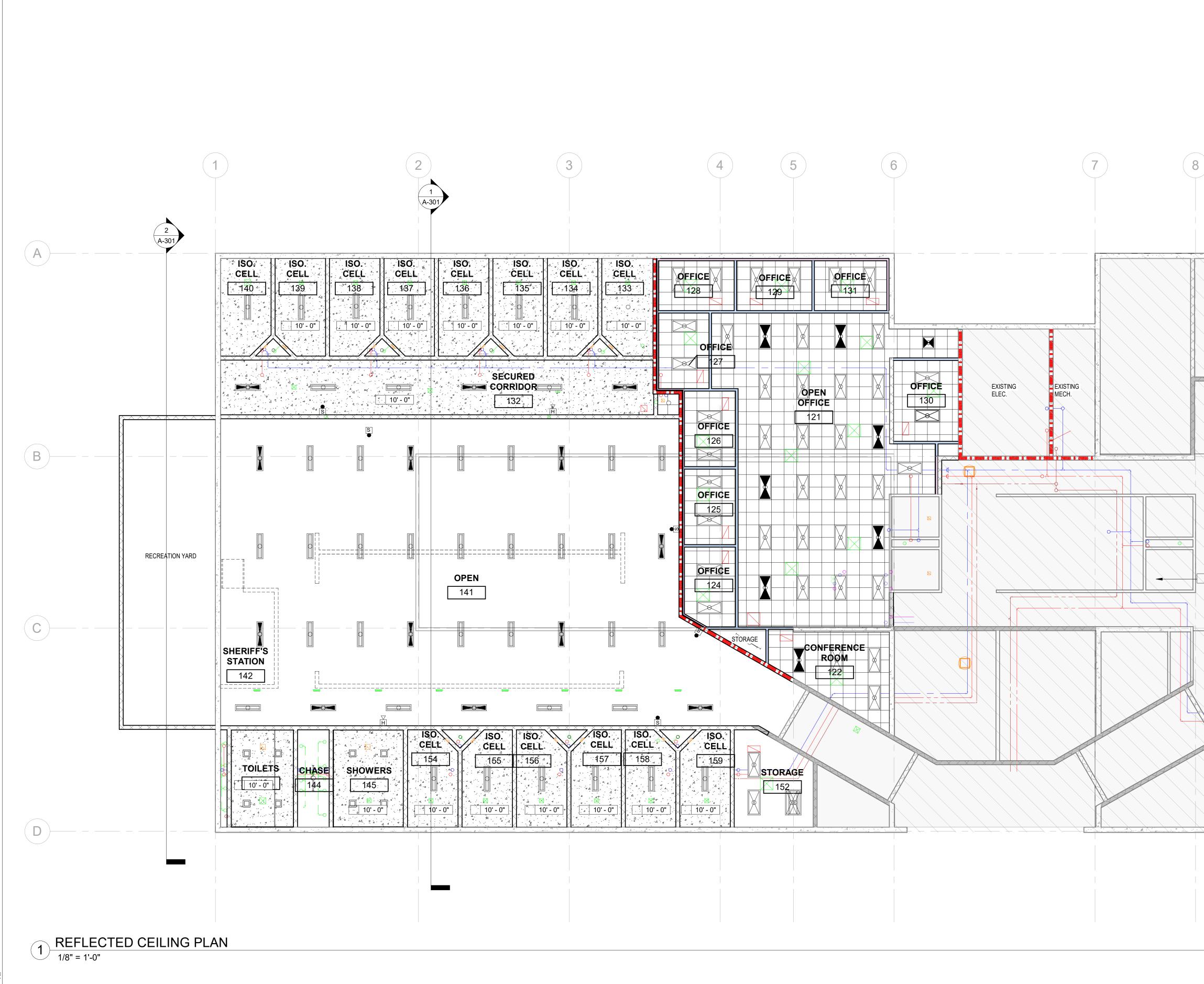
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CEILING GENERAL NOTES:

3.

- 1. SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION OF LIGHT FIXTURES
- 2. SEE MECHANICAL DRAWINGS FOR LOCATION OF DIFFUSERS / RETURNS

COORDINATE LOCATION OF FIXTURES AND MECHANICAL

2'x4' SUSPENDED ACOUSTICAL CEILING

GYPSUM BOARD CEILING

CONCRETE CEILING

EXPOSED METAL DECK

2x2 LIGHTING FIXTURE

2x4 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 PLA** 

DATE 06.20.24 07.26.24

WALL MOUNTED LIGHTING FIXTURE



GRID LINES AS SYMMETRICAL AS POSSIBLE.

5. CONTRACTOR TO ALIGN START PATTERN OF GRID TO MINIMIZE SMALLER SIZES OF CEILING GRID.

CEILING PLAN LEGEND

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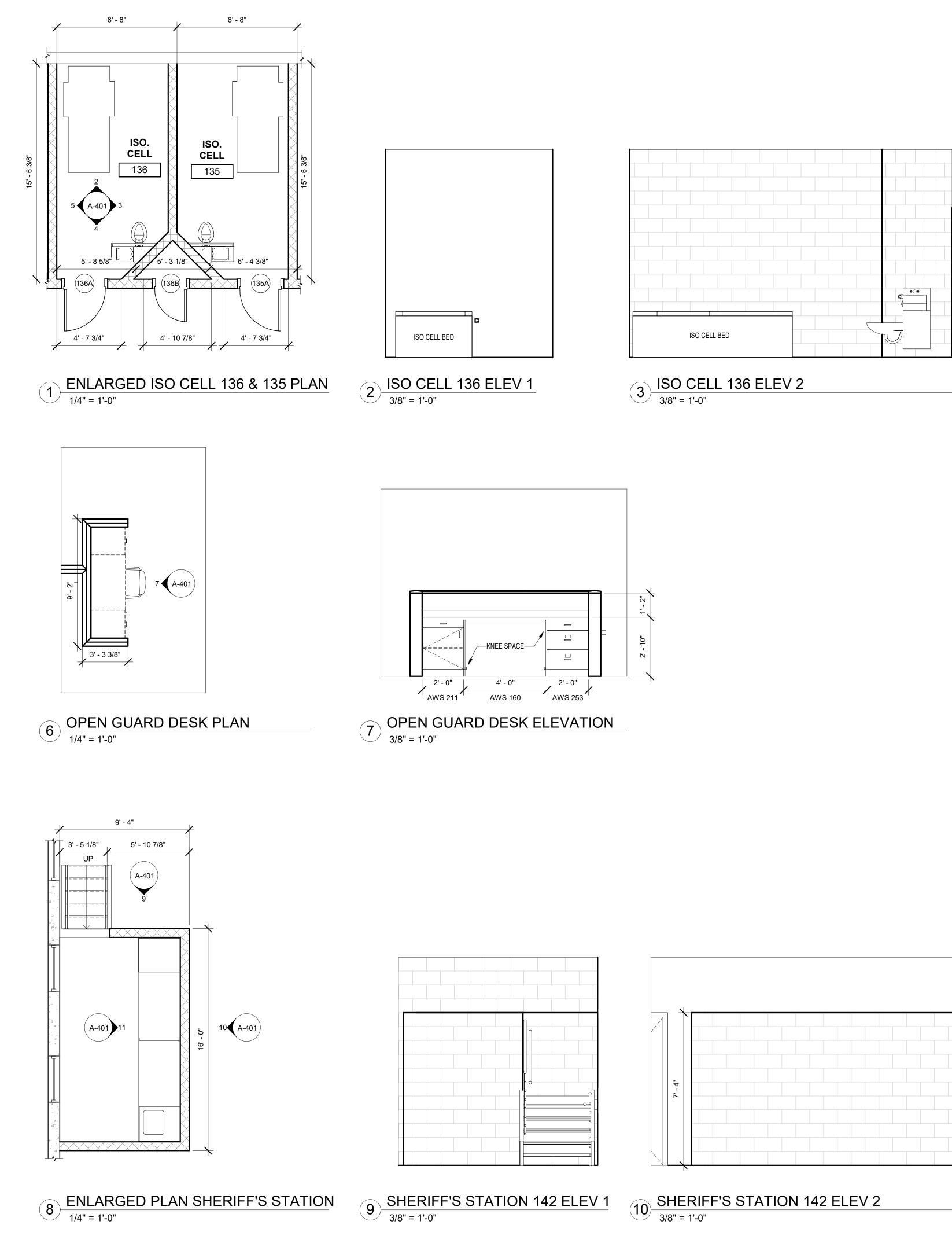
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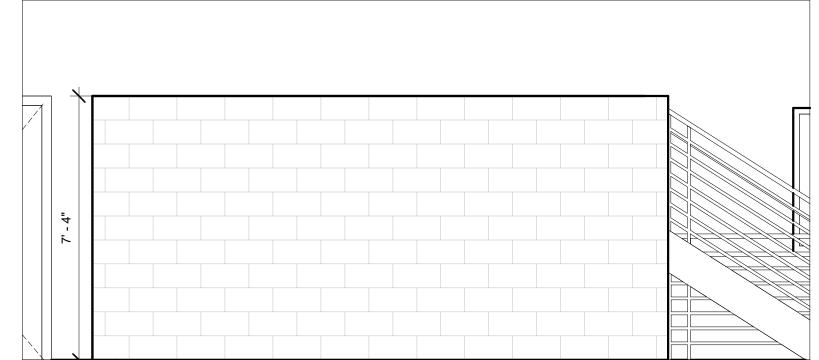
EXISTING TO REMAIN

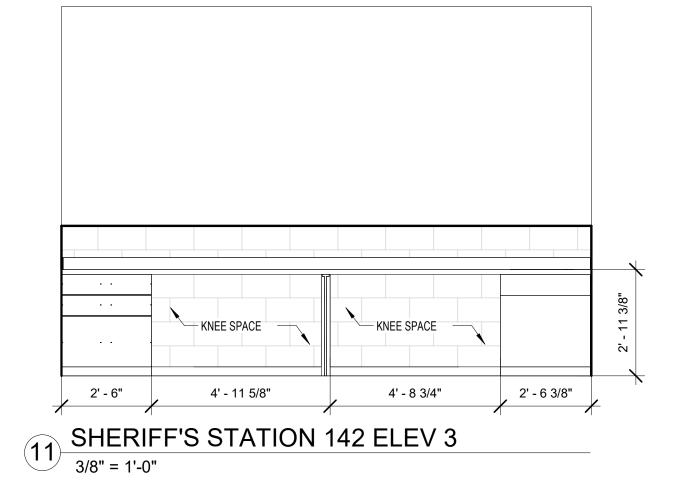
- 4. CEILING GRID SHOWN FOR REFERENCE ONLY, CONTRACTOR TO COORDINATE WITH THE ALIGNMENT SO AS TO KEEP CONTINOUS
- CONFLICTS CONTACT ARCHITECT.

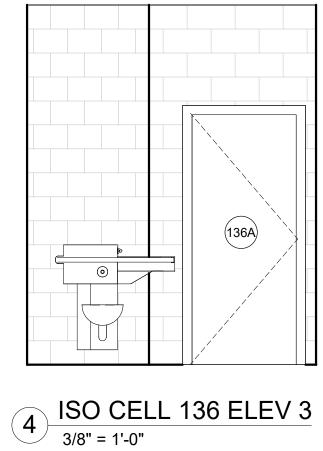
- REFERENCE TO ARCHITECTURAL LAYOUT. IN THE EVENT OF

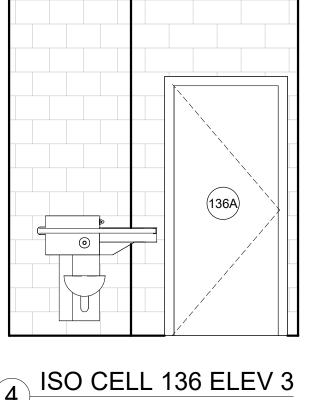
- COMPONENTS WITH MECHANICAL / ELECTRICAL DRAWINGS IN

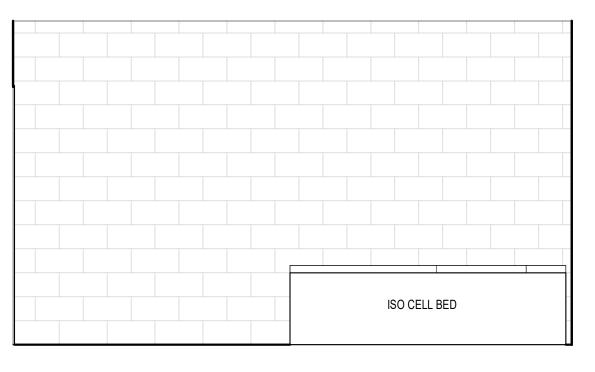












5 ISO CELL 136 ELEV 4 3/8" = 1'-0"



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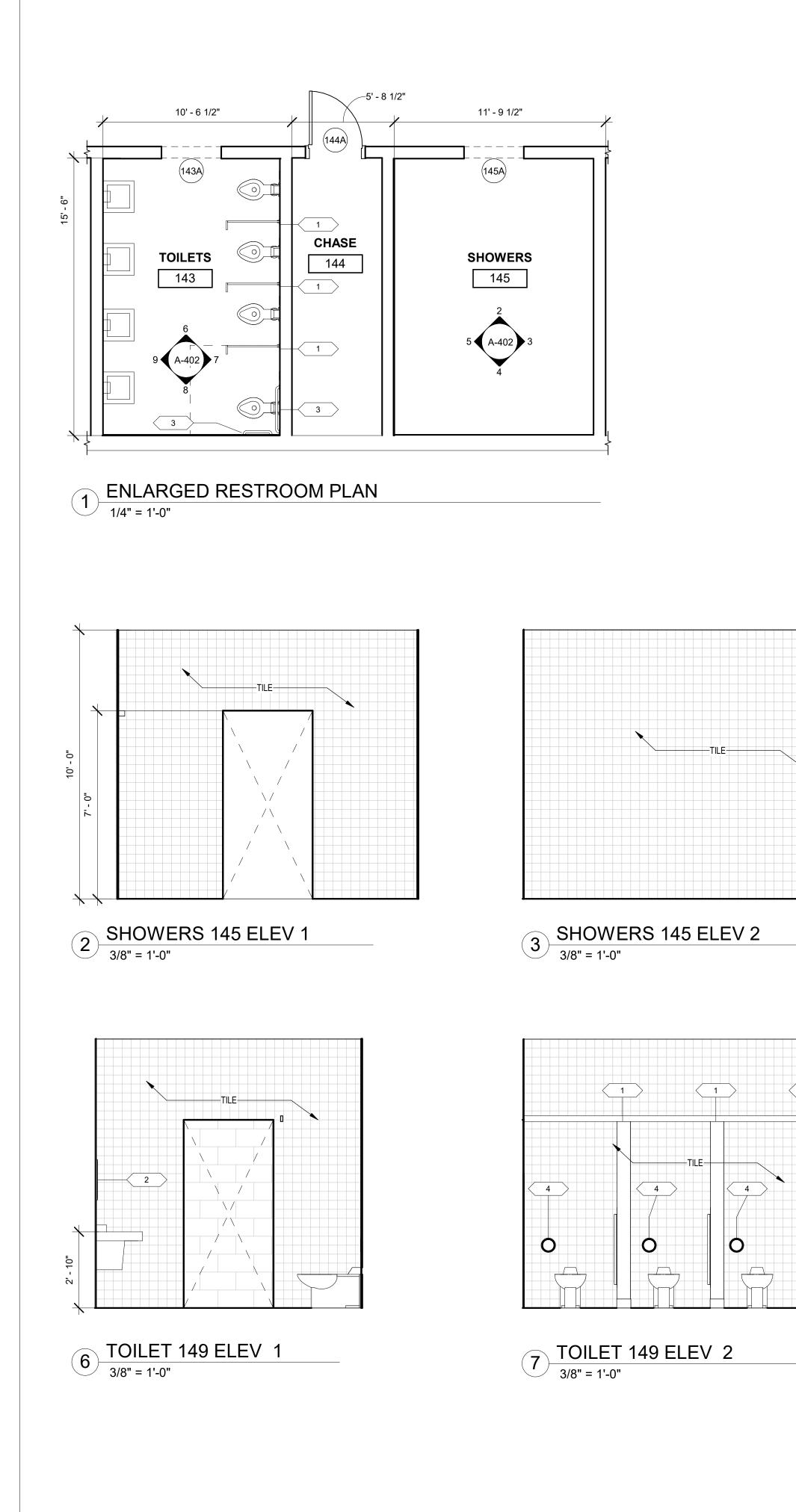
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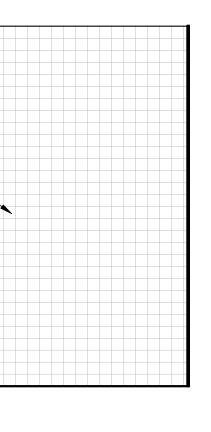
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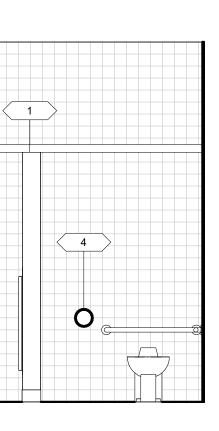
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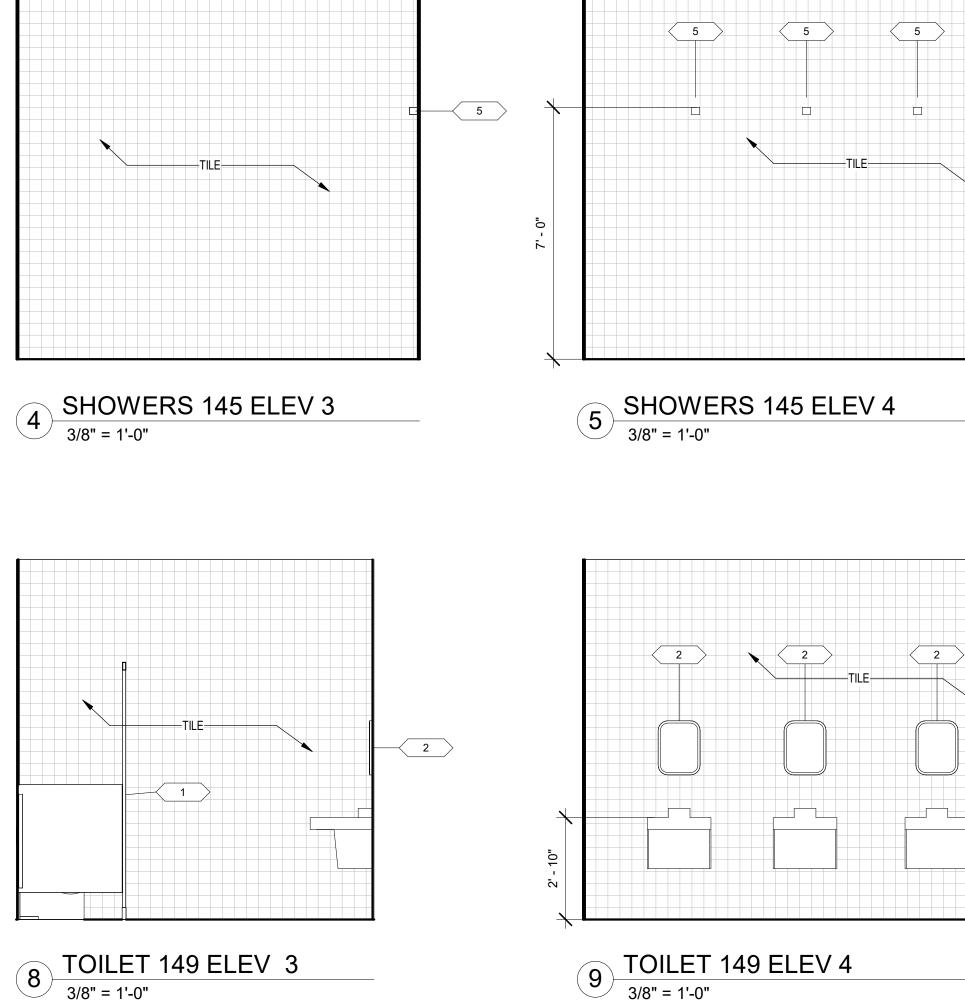
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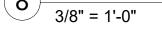














#### GENERAL SHEET NOTES

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- CONTRACTOR SHALL PROVIDE BLOCKING FOR INSTALLATION OF ACCESSORIES AND GRAB BARS AS REQUIRED. 1.
- 2. ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT. REFER TO G-006 FOR ACCESSORY MOUNTING HEIGHTS.
- 3. ALL EQUIPMENT SHALL BE ADA COMPLIANT. PROVIDE ACCESSORIES SUBMITTAL & CUT SHEET FOR TENANT AND AOR APPROVAL.
- 4. ALL RESTROOM WALLS SHALL RECEIVE TILE AS NOTED IN ELEVATIONS. TILE SHALL RUN ALL THE WAY UP THE WALL.
- 5. TILE IN ELEVATIONS IS TO BE USED FOR LOCATION PURPOSES ONLY. DESIGN OF THE TILE TO BE CHOSEN BY THE TENANT, OWNER, AND AOR.
- 6. EQUIVALENT ACCESSORIES BY BOBRICK OR AMERICAN SPECIALTIES IS ACCEPTABLE.

TOILET ACCESSORIES								
Mark	Info	Manufacturer	Comments					
1	Stainless Steel Toilet Partirion	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							



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ENLARGED RESTROOM PLANS AND ELEVATIONS

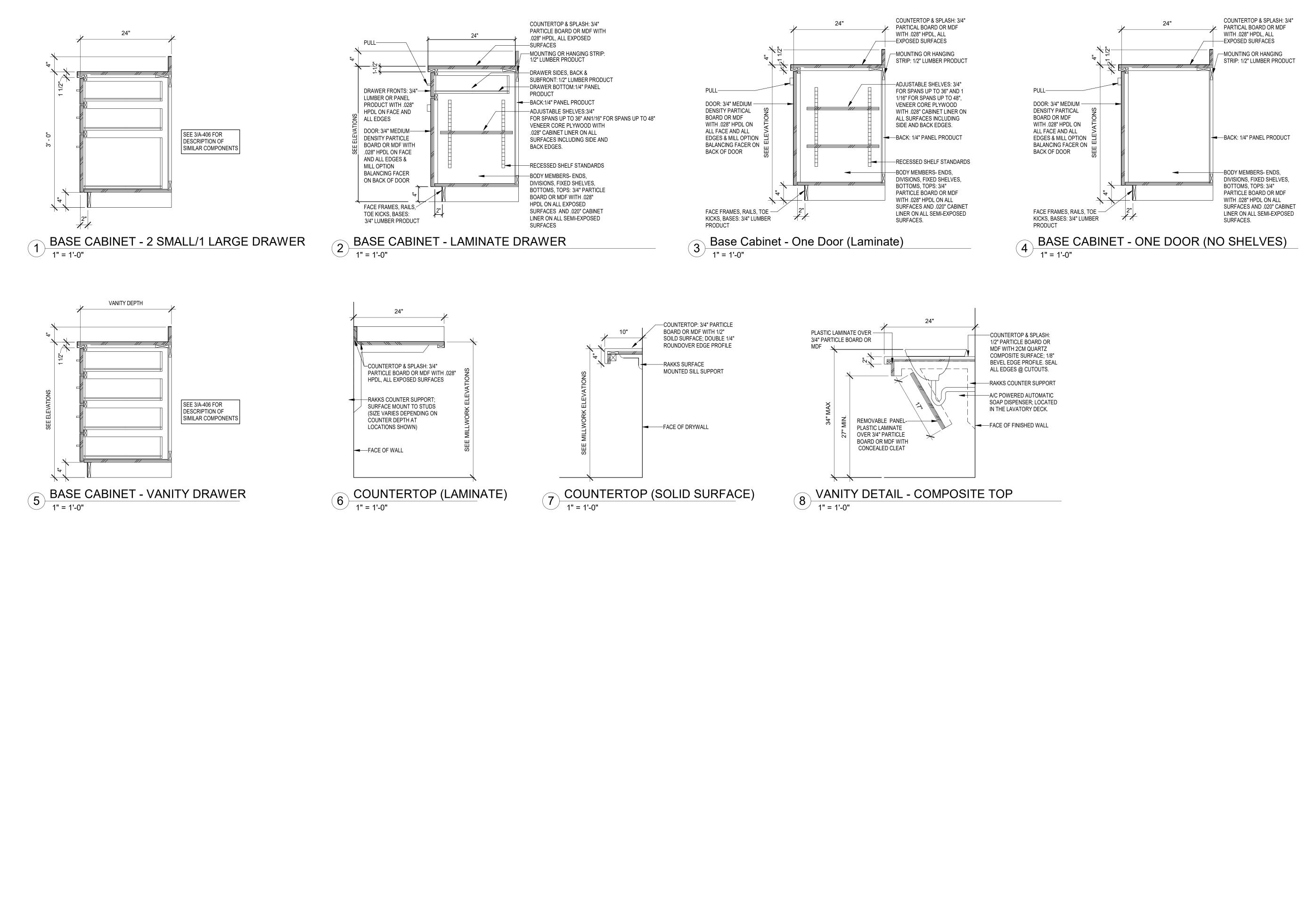
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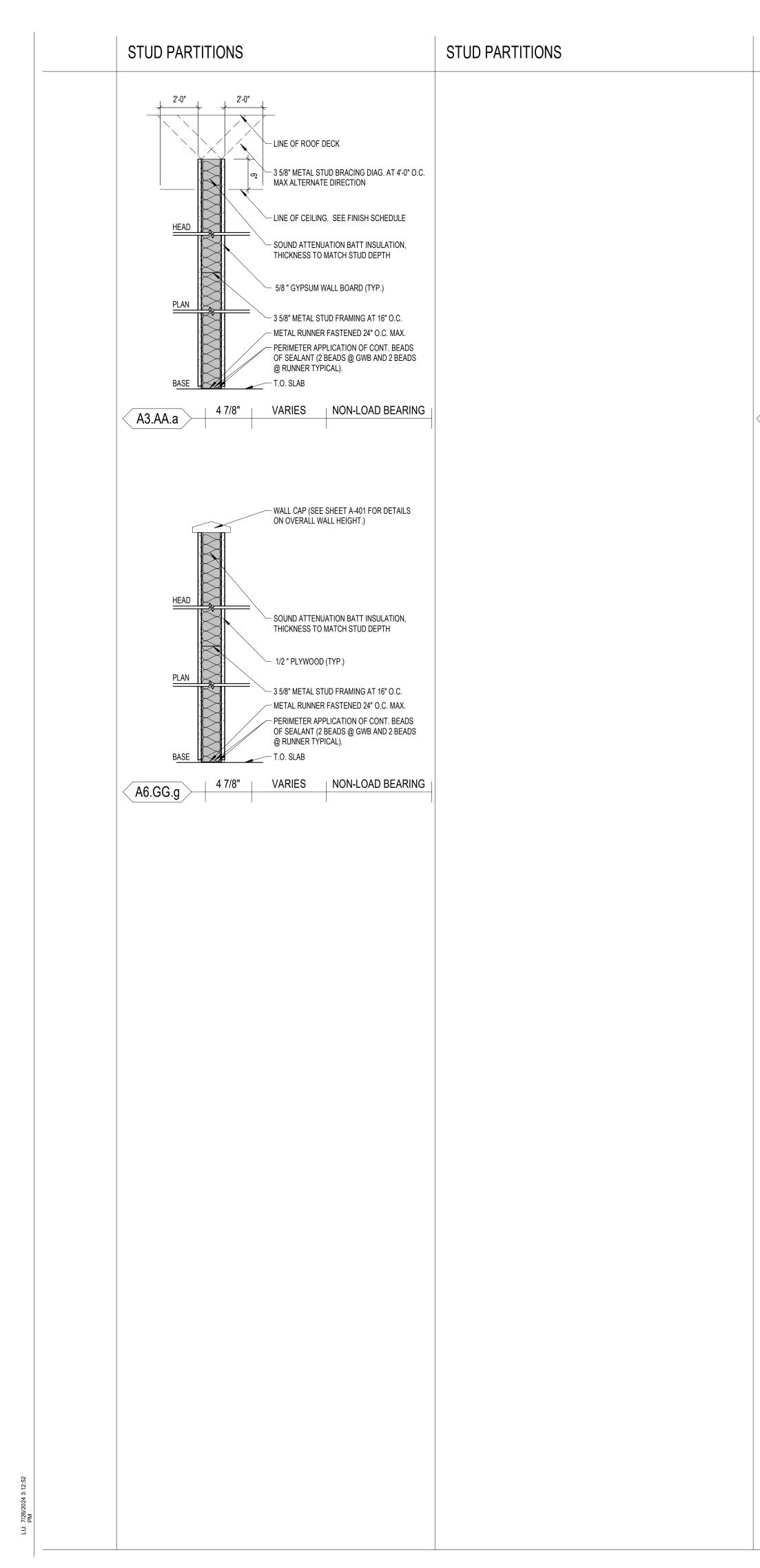
HCSO MENTAL HEAL	2310 N. FALKENBURG ROAD TAMPA, FLORIDA 33619	MILLWORK DETAILS
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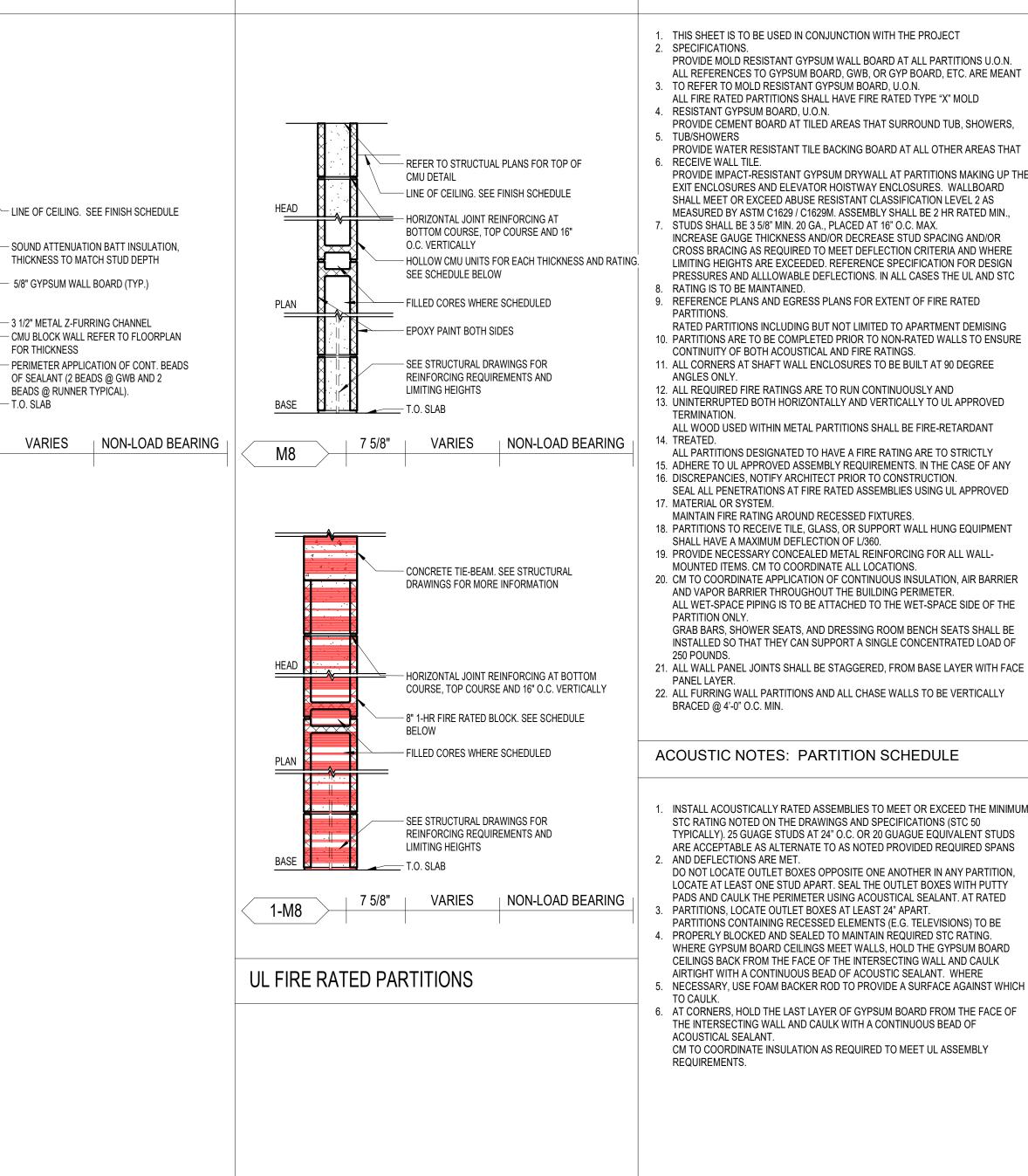
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#### PROVIDE MOLD RESISTANT GYPSUM WALL BOARD AT ALL PARTITIONS U.O.N. ALL REFERENCES TO GYPSUM BOARD, GWB, OR GYP BOARD, ETC. ARE MEANT

ALL FIRE RATED PARTITIONS SHALL HAVE FIRE RATED TYPE "X" MOLD PROVIDE CEMENT BOARD AT TILED AREAS THAT SURROUND TUB, SHOWERS,

PROVIDE WATER RESISTANT TILE BACKING BOARD AT ALL OTHER AREAS THAT 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.

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 ALLLOWABLE DEFLECTIONS. IN ALL CASES THE UL AND STC

RATED PARTITIONS INCLUDING BUT NOT LIMITED TO APARTMENT DEMISING 10. PARTITIONS ARE TO BE COMPLETED PRIOR TO NON-RATED WALLS TO ENSURE 11. ALL CORNERS AT SHAFT WALL ENCLOSURES TO BE BUILT AT 90 DEGREE

ALL PARTITIONS DESIGNATED TO HAVE A FIRE RATING ARE TO STRICTLY 15. ADHERE TO UL APPROVED ASSEMBLY REQUIREMENTS. IN THE CASE OF ANY

20. CM TO COORDINATE APPLICATION OF CONTINUOUS INSULATION, AIR BARRIER ALL WET-SPACE PIPING IS TO BE ATTACHED TO THE WET-SPACE SIDE OF THE

GRAB BARS, SHOWER SEATS, AND DRESSING ROOM BENCH SEATS SHALL BE INSTALLED SO THAT THEY CAN SUPPORT A SINGLE CONCENTRATED LOAD OF

21. ALL WALL PANEL JOINTS SHALL BE STAGGERED, FROM BASE LAYER WITH FACE

I. INSTALL ACOUSTICALLY RATED ASSEMBLIES TO MEET OR EXCEED THE MINIMUM STC RATING NOTED ON THE DRAWINGS AND SPECIFICATIONS (STC 50 TYPICALLY). 25 GUAGE STUDS AT 24" O.C. OR 20 GUAGUE EQUIVALENT STUDS ARE ACCEPTABLE AS ALTERNATE TO AS NOTED PROVIDED REQUIRED SPANS

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

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 ACOUSTIC SEALANT. WHERE

. AT CORNERS, HOLD THE LAST LAYER OF GYPSUM BOARD FROM THE FACE OF

CM TO COORDINATE INSULATION AS REQUIRED TO MEET UL ASSEMBLY

1-A4.AA.a \_\_\_\_ FIRE RATING-------FINISH #2 (INT. WHERE 5= 1/2 HOUR APPLICABLE 1= 1 HOUR 2= 2 HOURS -FINISH #1 3= 3 HOURS S= SMOKE PARTITION TYPE A. STUD (METAL) M. CMU P. PLUMBING B. BRICK R. STUD (WOOD) C. CONCRETE S. SEPERATION D. DOUBLE WALL X. CHASE E. EXTERIOR F. FURRING Z. SHEAR PARTITION DIMENSION 0. 7/8" FURRING CHANNEL 1. 1 1/2" OR1 5/8" STUD 2. 2 1/2" STUD 3. 3 1/2" OR 3 5/8" STUD 4. 4" CONCRETE, MASONRY, OR 5. STUD 5 1/2" STUD

- MODIFIER

WALL TAG LEGEND

PARTITION -

DIMENSION

PARTITION TYPE -

6. 6" CONCRETE, MASONRY, OR 8. STUD 10 8" CONCRETE OR MASONRY 10" CONCRETE OR MASONRY

12 12" CONCRETE OR MASONRY

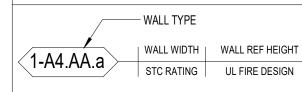
G. 1 LAYER PLYWOOD (SEE PLANS FOR

SIZE)

APPLIED FINISH

- 1 LAYER 5/8" GYP BD 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) 1 LAYER 5/8" MOISTURE RESISTANT
- BD 1 LAYER 1/2" CEMENT BD
- MODIFIERS
- a. 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.). b. 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"
- d. BATT TO EITHER SIDE OF PARTITION AT CEILING. PARTITION INCLUDES ONE ADDITIONAL 5/8" THICK LAYER OF TILE BACKER BOARD e. (BATHTUB SIDE).
- PROVIDE 25 GA STUD [TO MEET ACOUSTICAL REQUIREMENTS]. g. 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. m. AT FACE OF SERVICE CORRIDOR WALLS, ADD X" ALUMINUM DIAMOND PLATE FROM FINSHED FLOOR TO 4'-0" ABOVE FLOOR. PLATE SHALL BE APPLIED WITH
- n. COUNTERSUNK SCREWS INTO STUDS. 1" UNBRIDGED AIRSPACE BETWEEN ELEVATOR SHEAR WALL AND STUD, WITH MIN 3" . BATT INSULATION. p. INCLUDE STIFFENER CHANNELS.
- q. PROVIDE 16 GUAGE STUDS AT PLUMBING CHASE WALL AT WALL HUNG TOILET.
- STUD SPACING TO BE 12" O.C. S. STUD SPACING TO BE 24" O.C.
- u. PARTITION INCLUDES EXTERIOR INSULATION FINISH SYSTEM. UL RATED WALL ASSEMBLY

#### LEGEND: WALL TYPE VIEW TITLE



REMARKS UL MODEL #

#### **UL # WALL CONSTRUCTION COMPLIANCE**



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





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TYPE(

WALL

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HEALTH

MENTAL

HCSO

DRAWN BY: REVIEW BY: Project

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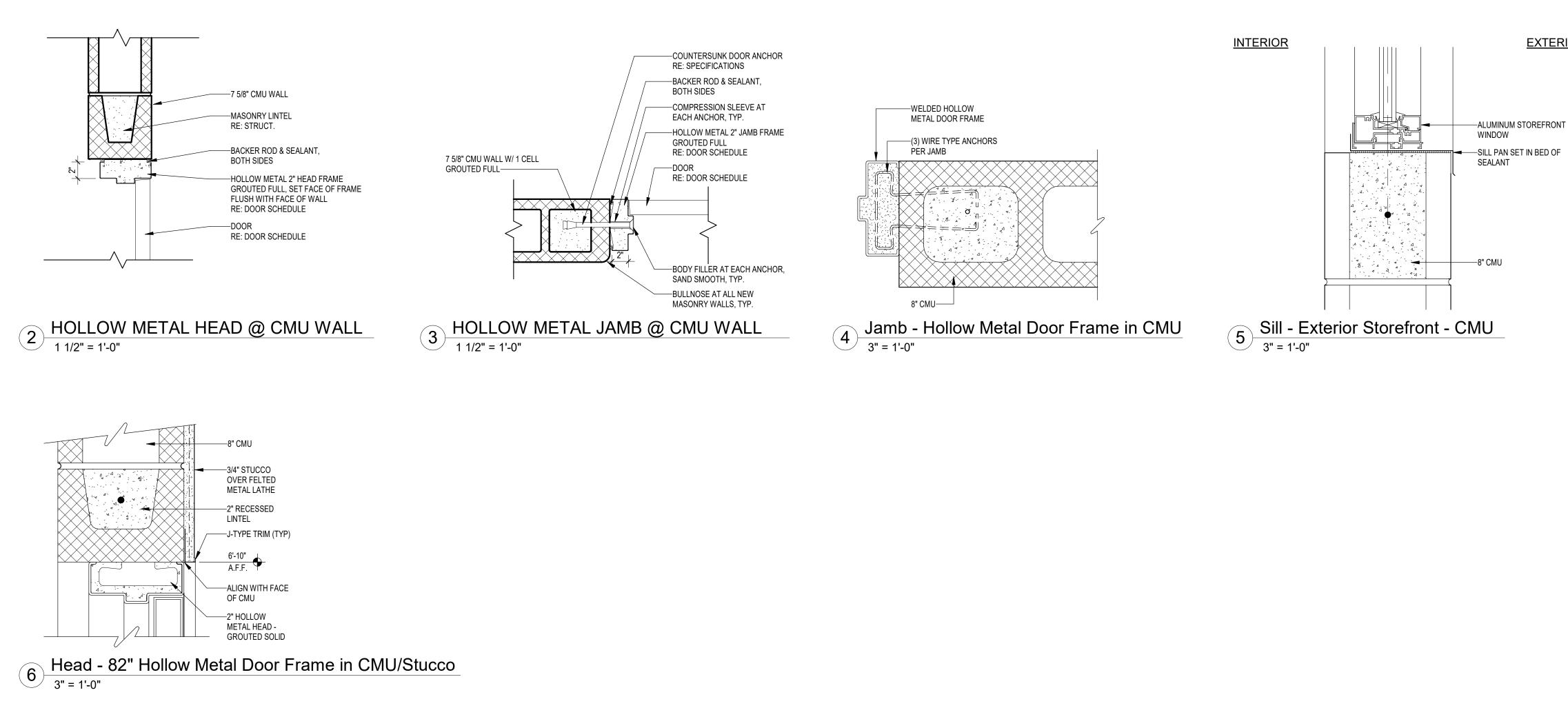
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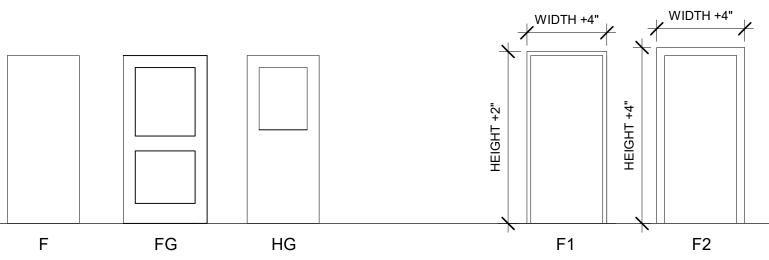
						Door Scheo	lule					
Mark	Door Frame											
	Width	Height	Thickness	Elevation	Material	Finish	Frame Elevation	Frame Material	Frame Finish	Fire Rating	Hardware	Comments
121A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	HM	PAINT			
22A	3' - 0"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
23A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	HM	PAINT			
24A	3' - 0"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
25A	3' - 0"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
26A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	HM	PAINT			
27A	3' - 0"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	НМ	PAINT			
28A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
29A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
30A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
I31A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
31R	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
32A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
32B	3' - 6"	7' - 0"	1 3/4"	FG	НМ	PAINT	F2	НМ	PAINT			
33A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	НМ	PAINT			1
34A	3' - 0"	7' - 0"	1 3/4"	HG	HM	PAINT	F1	НМ	PAINT			1
I34B	2' - 4"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
35A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	НМ	PAINT			1
36A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	HM	PAINT			1
36B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	HM	PAINT			
37A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	HM	PAINT			1
138A	3' - 0"	7' - 0"	1 3/4"	HG	HM	PAINT	F1	НМ	PAINT			1
38B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
39A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	НМ	PAINT			1
40A	3' - 0"	7' - 0"	1 3/4"	HG	НМ	PAINT	F1	НМ	PAINT			1
40B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
41A	3' - 0"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
43A	3' - 0"	7' - 0"	0"	-	-	-	F1	НМ	PAINT			
44A	3' - 0"	7' - 1 1/2"	1 3/4"	F	HM	PAINT	F1	HM	PAINT			
45A	3' - 0"	7' - 0"	0"	-	-	-	F1	HM	PAINT			
54B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
56B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			
58B	2' - 4"	7' - 1 1/2"	1 3/4"	F	НМ	PAINT	F1	НМ	PAINT			

DOOR SCHEDULE KEY NOTES:

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

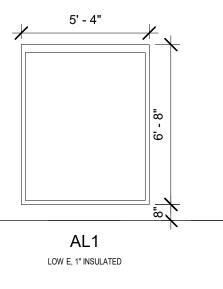


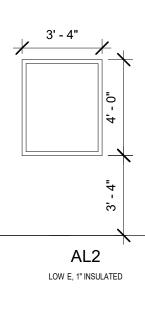
#### DOOR ELEVATIONS



HOLLOW METAL FRAMES

#### **ALUMINUM ELEVATIONS**





#### ABBREVIATIONS: - FLUSH

- FG FULL GLASS
- HG HALF GLASS - SLIDING SL
- ALUMINUM AL
- HOLLOW METAL ΗM
- PAINTED Ρ
- STAINED S
- SC SOLID CORE WOOD WD - WOOD

#### DOOR & FRAME GENERAL NOTES

- VERIFY DOOR SIZE AND STYLE WITH DOOR MANUFACTURER
- SIZES LISTED ARE NOMIAL. 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 NORMINAL. 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.



#### EXTERIOR



ENBURG ROAD IDA 33619

FALK

10 N.

ISSUED FOR	DATE
75% CD (OWNER APPROVAL)	07.26.24

SCHEDULES, DOOR & WINDOW ELEVATIONS

DRAWN BY: --REVIEW BY: Project Manager

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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	-	TILE	
152	STORAGE	OPEN	PAINT	-	SEALED CONCRETE	
154	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
155	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
56	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
57	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

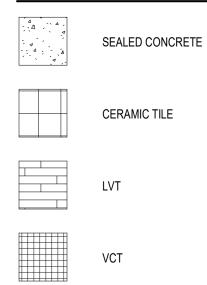
- ACT ACOUSTICAL CEILING TILE CT CERAMIC TILE PC POLISHED CONCRETE SC SEALED CONCRETE
- CPT CARPET CT CERAMIC T
- CFT CARPET CT CERAMIC TILE GYP GYPSUM WALL BOARD LVT VINYL TILE P PAINT
- RB RUBBER BASE TB - TILE BASE

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

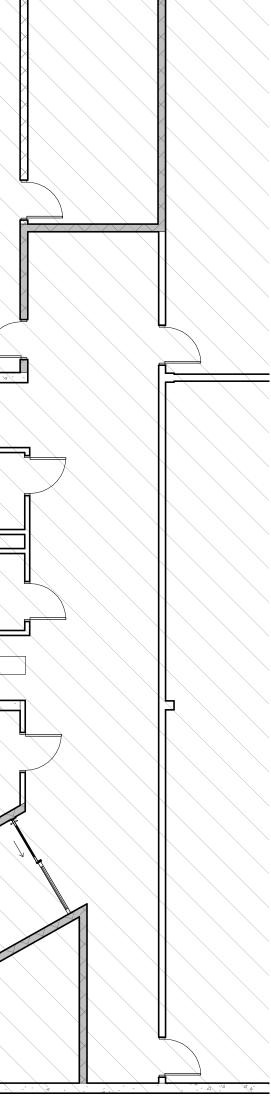
#### MATERIAL FINISH SCHEDULE

- PAINT: SHERWIN WILLIAMS -
- WALL TILE: DALTILE -
- FLOOR TILE: DALTILE -

#### FLOORING FINISH KEY









ENBURG ROAD IIDA 33619

FALKE FLOR

2310 N. TAMPA,

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

HEDULE

**ROOM FINISH PLAN & SCI** 

DRAWN BY: --REVIEW BY: Project Manager

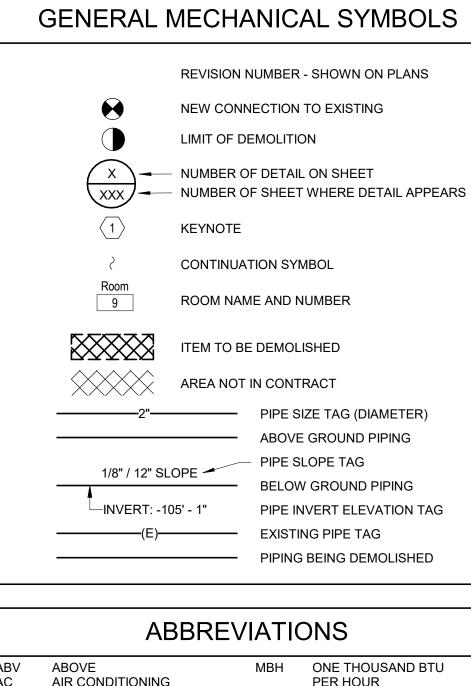
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HVAC SYMBOLS	
18"x12"       SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)         18"/12"       OVAL DUCT SIZE TAG (WIDTH / HEIGHT)	
(E) EXISTING DUCT TAG	
18"x18" SA SUPPLY AIR	
18"x18" EA EXHAUST AIR	
DROP 🖾 🔣 RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE	
DROP 🛛 🔜 ROUND SUPPLY/OUTSIDE AIR DUCT RISE	
DROP	
DROP 🕢 🗌 🕼 ROUND RETURN/TRANSFER AIR DUCT RISE	
DROP	
DROP 🕢 🚺 ROUND EXHAUST/RELIEF AIR DUCT RISE	
GRILLES, REGISTERS & DIFFUSERS TAG	A
SUPPLY SER XXX CFM - CFM	A A A A
RETURN GRILLE $\square \rightarrow \square \longrightarrow \square \longrightarrow \square$ $RG-XX \longrightarrow TYPE (SEE SCHEDULE)XXX CFM \longrightarrow CFM$	A B B B
EXHAUST $\longrightarrow$ $\longrightarrow$ $\longrightarrow$ $\longrightarrow$ $\longrightarrow$ $\xrightarrow{EG-XX}$ $$	
SUPPLY <u>SG-XX</u> TYPE (SEE SCHEDULE) GRILLE XXX CFM CFM	
MECHANICAL EQUIPMENT TAGS	
AIR HANDLING UNIT EQUIPMENT AHU-XX	
EXISTING EQUIPMENT TO REMAIN	- F F F G G G F F F
DATA DEVICE TAGS	
CARBON DIOXIDE SENSOR CO2 CARBON MONOXIDE SENSOR CO NITROGEN DIOXIDE SENSOR NO2 HUMIDITY SENSOR NO2 HUMIDITY SENSOR HS MS MANUAL SWITCH	
HUMIDISTAT H S SENSOR PANEL NAME BMS CONTROL PANEL HVAC-CP-X	
DAMPERS COMB. FIRE/SMOKE DAMPER SMOKE DAMPER FIRE STRESS FS FS FS FS FS FS FS FS FS FS FS FS F	
<u>* NOTE *</u> 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.	



AC		EF	
	EQUIPMENT A	BBRE	VIATIONS
_AT _P _VR _WT MA MAX	LEAVING AIR TEMPERATURE LOW PRESSURE LOUVER LEAVING WATER TEMP MIXED AIR MAXIMUM	TD TEMP TYP UG VENT WB	TEMPERATURE DROP TEMPERATURE TYPICAL UNDERGROUND VENTILATION WET BULB
HP HTG HTR N NV _B _B/HR	HORSEPOWER HEATING HEATER INCH INVERT POUND POUNDS PER HOUR	SF SA SD SM SP T	SQUARE FOOT SUPPLY AIR SQUARE FOOT SMOKE DAMPER SURFACE MOUNT STATIC PRESSURE THERMOSTAT
= =L =PM =T GAL GC GPM	DEGREES FAHRENHEIT FLOOR FEET PER MINUTE FOOT/FEET GALLON GENERAL CONTRACTOR GALLONS PER MINUTE	RA REC RH RLA RM RPM	RETURN AIR RECESSED REDUCER RELATIVE HUMIDITY RELIEF AIR ROOM REVOLUTIONS PER MINUTE
EAT ELEC EQUIP EWC EWT EA EXIST	ELECTRIC WATER COOLER ENTERING WATER TEMP EXHAUST AIR EXISTING	PRESS PRV PSI PSIG PWR R	PRESSURE PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH (GAUGE) POWER DUCT RISER
CAP CFM CLG D DB DIA DN	PER HOUR CAPACITY CUBIC FEET PER MINUTE CEILING DEGREE DRY BULB DIAMETER DOWN	NC NIC NTS NUM OA PD PLBG	NORMALLY CLOSED NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE NUMBER OUTSIDE AIR PRESSURE DROP PLUMBING
ADD AFF ALT AP ARCH 3FF 3TU 3TUH	ADDENDUM ABOVE FINISHED FLOOR ALTERNATE ACCESS PANEL ARCHITECT/ARCHITECTURAL BELOW FINISHED FLOOR BRITISH THERMAL UNITS BRITISH THERMAL UNITS	MCF MD MECH MFR MIN MISC MTR NC	ONE THOUSAND CUBIC FEET MOTORIZED DAMPER MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS MOTOR NOISE CRITERIA
AC ABA	ABOVE AIR CONDITIONING	MBH	PER HOUR

	COOLING TOWER	GRV	GRAVITY ROOF VENTILATOR
WP	CHILLED WATER PUMP	PV	POWER ROOF VENTILATOR
٧P	CONDENSER WATER PUMP	RF	RETURN FAN

EDC

FCU

RTU

ELECTRIC DUCT COIL

REDUCING 45

45 DEGREE TEE

DEGREE TEE

VALVE

FAN COIL UNIT

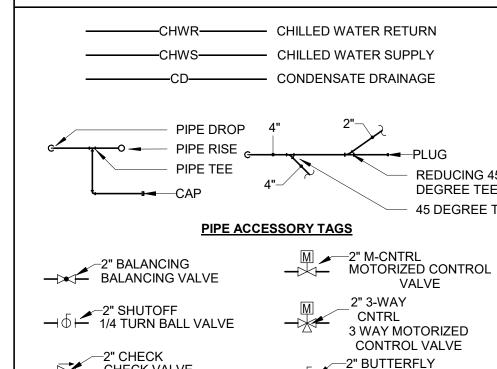
ROOFTOP UNIT

AIR HANDLING UNIT

DUCT MOUNTED COIL

CHILLER

#### PIPING SYMBOLS



-CHECK VALVE

#### 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/LAT); 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.
- 10. 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,
- 11. ALL AIR HANDLING UNITS SHALL BE MECHANICALLY ATTACHED TO OTHER AIR DISTRIBUTION SYSTEM COMPONENTS. AIR HANDLING UNITS LOCATEL OUTSIDE THE CONDITIONED SPACE SHALL BE SEALED USING APPROVED CLOSURE SYSTEMS CONFORMING TO THE APPROVED CLOSURE AND MECHANICAL APPLICATION REQUIREMENTS OF FLORIDA BUILDING CODE.
- 12. ALL DUCTWORK MUST BE INSTALLED 6" AWAY FROM ANY FIRE RATED WALL TO FACILITATE INSPECTION.
- 13. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES. FIXED 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.
- 4. 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.
- 15. 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
- 16. 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.
- A. 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.
- B. 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.
- 7. 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.
- 18. 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.
- 19. 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".
- 20. 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.

#### MECHANICAL NOTES

- 20. CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL, STRUCTUR INSERTS, SLEEVES, AND HANGING DEVICES REQUIRED TO INSTALL AND ADEQUATELY SUPPORT MECHANICAL EQUIPMENT AND COMPONENTS IN MANNER WHICH WILL NOT OVERLOAD BUILDING STRUCTURE. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND 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 ALUMINUN SHEETING.
- 22. IT IS THE RESPONSIBILITY OF THE MECHANICAL INSTALLER TO PATCH AN REPAIR ANY DUCT OPENINGS WHICH RESULT FROM THE RELOCATION O 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.
- 3. AIR HANDLING EQUIPMENT WARRANTIES SHALL BE EQUAL TO OR EXCEE WARRANTY OF SCHEDULED EQUIPMENT, UNLESS NOTED OTHERWISE.
- 24. PROVIDE ADDITIONAL DUCTWORK AND PIPING SUPPORTS ON BOTH SIDE AND WITHIN 18" OF EACH FIRE RATED WALL. DUCTWORK OR PIPING SHA NOT BE SUPPORTED FROM ANY FIRE RATED WALL
- 25. 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, EXCE FOR TRANSFER AIR ELBOWS. TURNING VANES SHALL BE PROVIDED ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS MET. AND FLEXIBLE.
- 26. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIO (FREE AREA).
- 27. ALL HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UNLESS INDICATED OTHERWISE.
- 8. 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.
- 29. CONTRACTOR SHALL PROVIDE A PERMANENT/PROFESSIONAL LABEL FO EACH PIECE OF EQUIPMENT, ASSOCIATED THERMOSTAT(S) AND/OR SENSOR(S).
- 30. DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER MECHANICA SYSTEM COMPONENTS SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
- 31. LOW PRESSURE SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNAL INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATES SMACNA STANDARDS UNLESS OTHERWISE NOTED. DUCT INSULATION 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 MANVI OR EQUAL. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSI TAPE (PER FMC 603) AS MANUFACTURED BY COMPAC INDUSTRIES MODE 120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF. FACING SHALL BI FSK ALUMINUM FOIL. CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS AND DETAILS IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST REVISION, AND MANUFACTURER'S RECOMMENDATIONS. SUPPORT DUCTS WITH 1x2x1 22 GAGE MINIMUM CHANNELS AND STRAP OR 12-GAGE WIRE FROM BUILDING CONSTRUCTI SUSPEND FROM JOISTS WITH BEAM CLAMPS. PROVIDE HOT DIPPED STE FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPOR OF DUCTWORK. DUCT SIZES ON CONSTRUCTION DOCUMENTS ARE INTERNAL FREE-AREA DIMENSIONS.
- 32. 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 EQUA TO SCHEDULED MAKE AND MODEL. PAINT GRIP AND PAINT PER ARCHITE
- 3. ALL MEDIUM PRESSURE SUPPLY DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATES 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 A TAPED WITH PRESSURE SENSITIVE TAPE AS MANUFACTURED BY COMPA INDUSTRIES MODEL #120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNA
- 34. ALL EXHAUST DUCT WORK SHALL BE NON-INSULATED SHEET METAL, UNLESS NOTED OTHERWISE.
- 35. ALL FLEXIBLE DUCTS SHALL BE LISTED AND LABELED TO UL 181 AND SH/ BE CLASS 0 OR CLASS 1. FLEXIBLE DUCTS SHALL HAVE A MINIMUM RATE AIR VELOCITY OF 4000 FPM. A MINIMUM POSITIVE PRESSURE RATING OF IN. WG, AND A MINIMUM NEGATIVE PRESSURE RATING OF 1 IN. WG. ALL FLEXIBLE DUCTS SHALL MEET 2020 FLORIDA BUILDING CODE MECHANICA SECTION 603.6.
- 36. ALL DOOR UNDERCUTS FOR THE PURPOSE OF BALANCING RETURN AIR SHALL BE MINIMUM 1", PER FBC-MECHANICAL SECTION 601.6.
- 7. ALL CONTROL WIRING SHALL BE INCLUDED AS PART OF MECHANICAL WORK; REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT AND WIRI 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.).
- 38. 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 FO REQUIREMENTS.
- 9. MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPME WITH ELECTRICAL CONTRACTOR BEFORE BIDDING/ORDERING AND INSTALLATION.
- 0. 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.

	GENERAL NOTES
RES, N A	1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
ALL	2. 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.
M	3. 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.
ED	<ol> <li>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.</li> </ol>
R EPT TAL	<ol> <li>ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:         <ul> <li>FLORIDA BUILDING CODE (FBC) 2023</li> <li>FLORIDA BUILDING CODE (FBC) 2023</li> <li>FLORIDA EXISTING BUILDING CODE 2023</li> <li>FLORIDA BUILDING CODE - MECHANICAL 2023</li> <li>FLORIDA BUILDING CODE - PLUMBING 2023</li> <li>FLORIDA BUILDING CODE - ENERGY CONSERVATION 2023</li> <li>FLORIDA BUILDING CODE - ENERGY CONSERVATION 2023</li> <li>FLORIDA FIRE PREVENTION CODE 2023</li> <li>NFPA 1-2021, THE UNIFORM FIRE CODE</li> <li>NFPA 101-2021, THE LIFE SAFETY CODE</li> <li>NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK</li> <li>NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS</li> <li>NFPA 70-2020, NATIONAL ELECTRICAL CODE</li> <li>NFPA 70-2020, NATIONAL ELECTRICAL CODE</li> <li>NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS.</li> <li>NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.</li> </ul> </li> <li>CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION,</li> </ol>
	CLEANING, AND CONSTRUCTION WORK. 7. CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND
DR	<ul> <li>REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.</li> <li>8. THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE</li> </ul>
ΑL	<ul> <li>AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.</li> <li>9. ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART</li> </ul>
LLY ST TO	OF THE TOTAL PROJECT COST. 10. MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS,
ÍILLE ITIVE EL #	PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
E	11. 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.
TION. EEL RT	<ol> <li>CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.</li> <li>THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.</li> </ol>
ECT.	<ul> <li>14. 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.</li> </ul>
ST AND AC	15. 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.
AUF. IALL ED	16. 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.
CAL R	17. 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
)R	Sneet         Sheet Name           Number         Sheet Name           M-001         MECHANICAL NOTES, LEGENDS, & ABBREVIATIONS           MD-101         PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1
NT	MH-101 PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1
	M-401         MECHANICAL SECTION VIEWS           M-501         MECHANICAL DETAILS
	M-601 MECHANICAL SCHEDULES



ABBREVIATIONS య တ **N** <u>(</u> Ш S NOTE MECHANICAL

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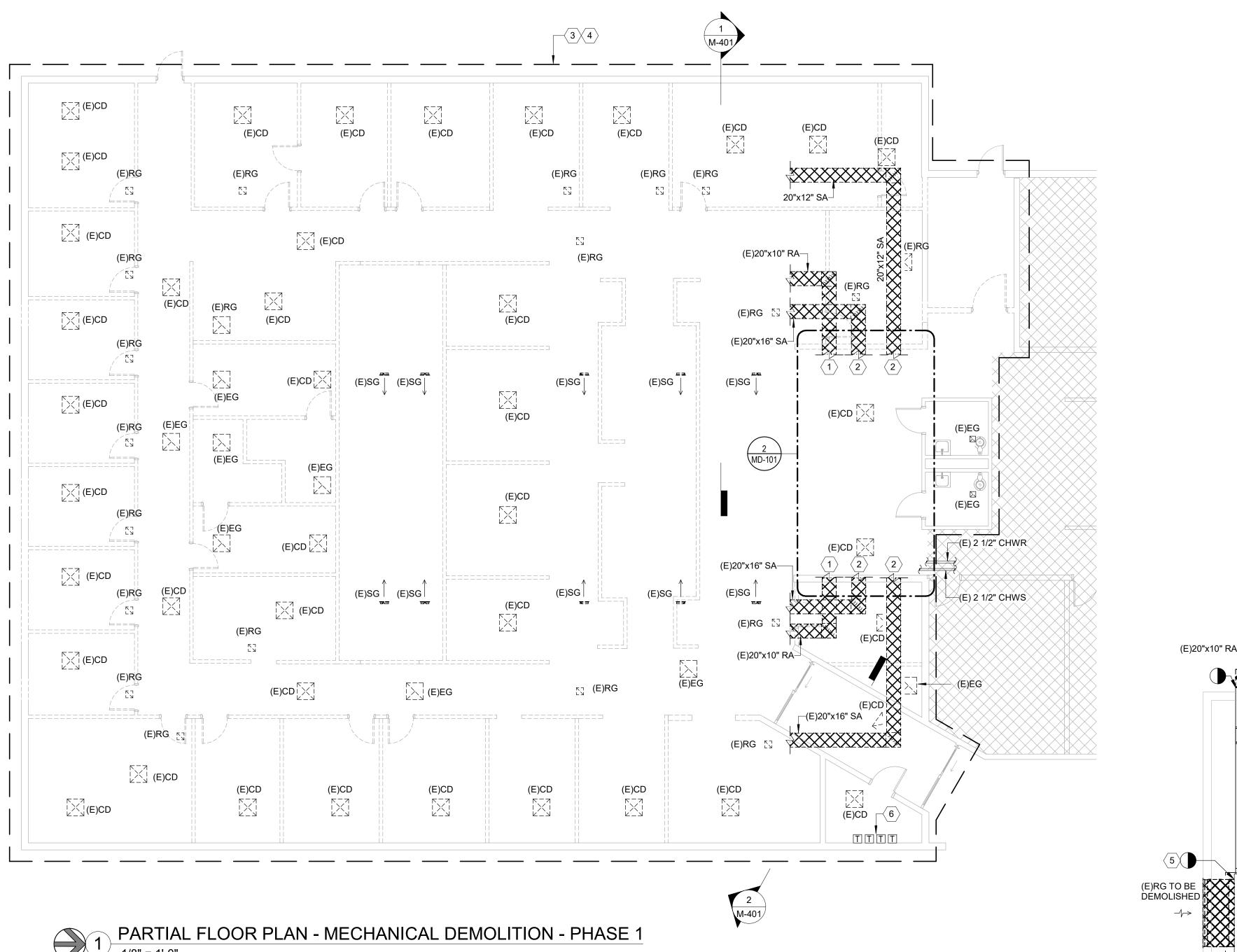
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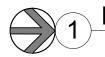
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1/8" = 1'-0"

(E)16"x20" SA-

(E)EDH-16-1D

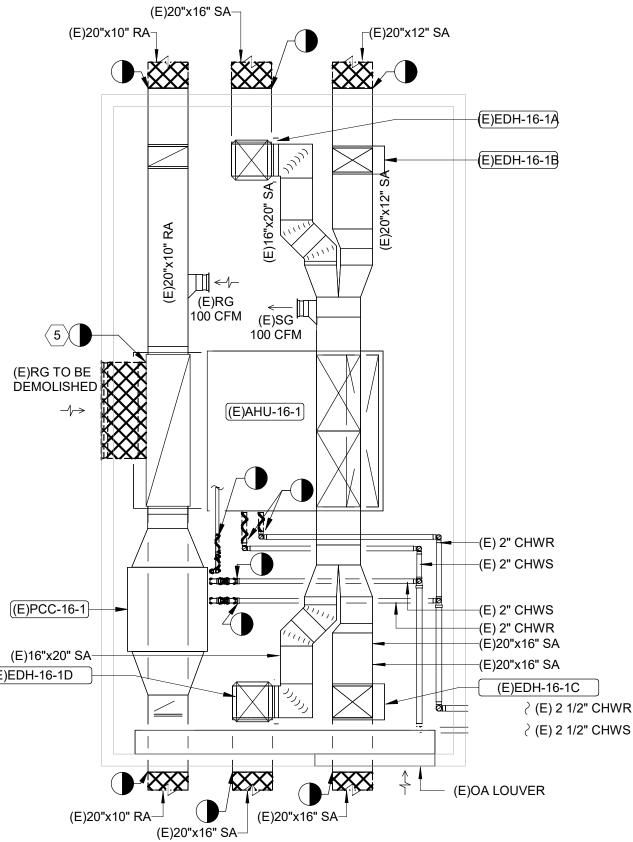


#### **GENERAL NOTES**

- A. 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.
- C. 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.
- 6 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.





**MECHANICAL DEMOLITION - PHASE PARTIAL FLOOR PLAN** 

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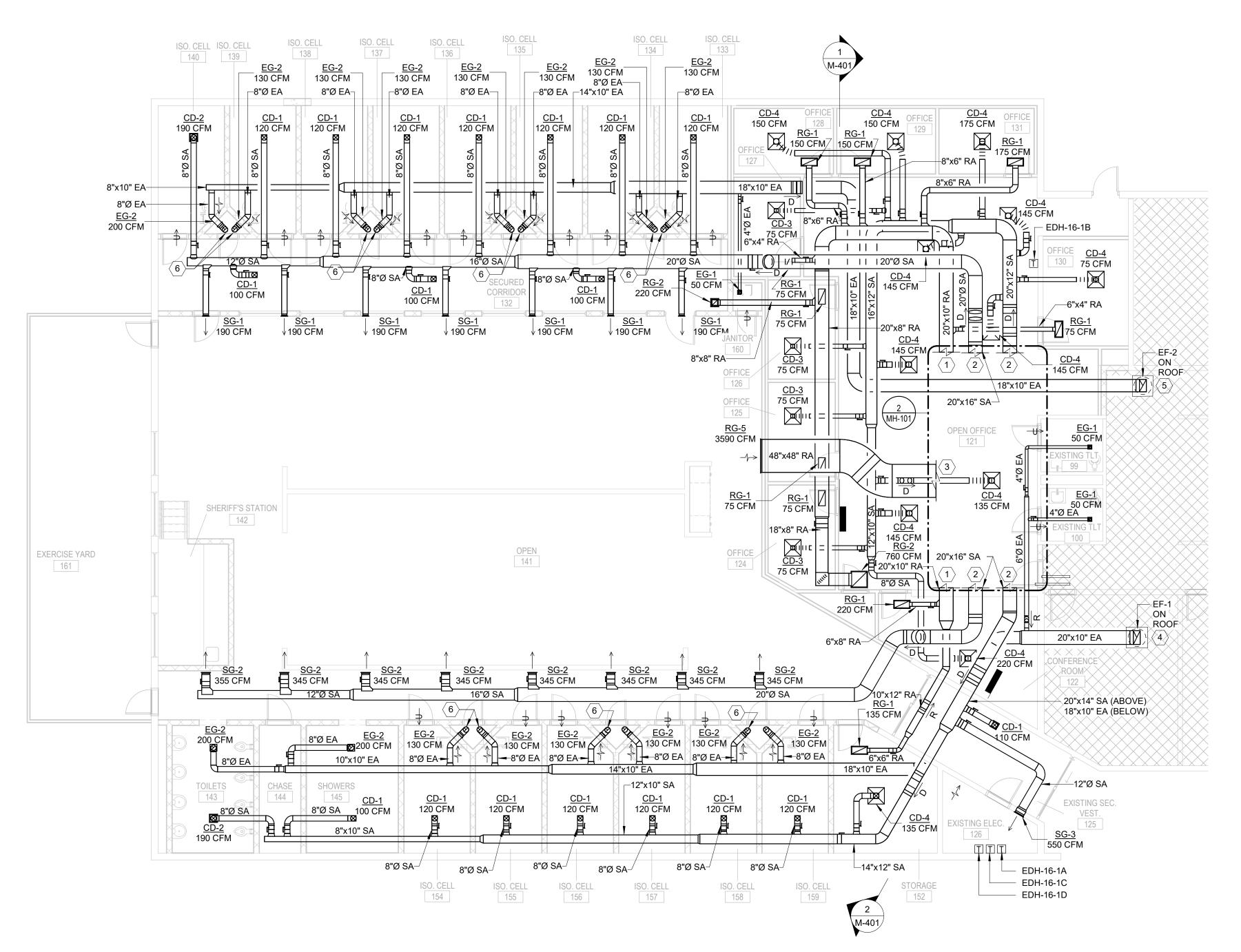
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**MD-101** 





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

20"x10" RA-

48"x48" RA

1 1/4" CD-

(E)PCC-16-1

(E)16"x20" SA-

(E)20"x10" RA (BELOW)

2" CHWS/R

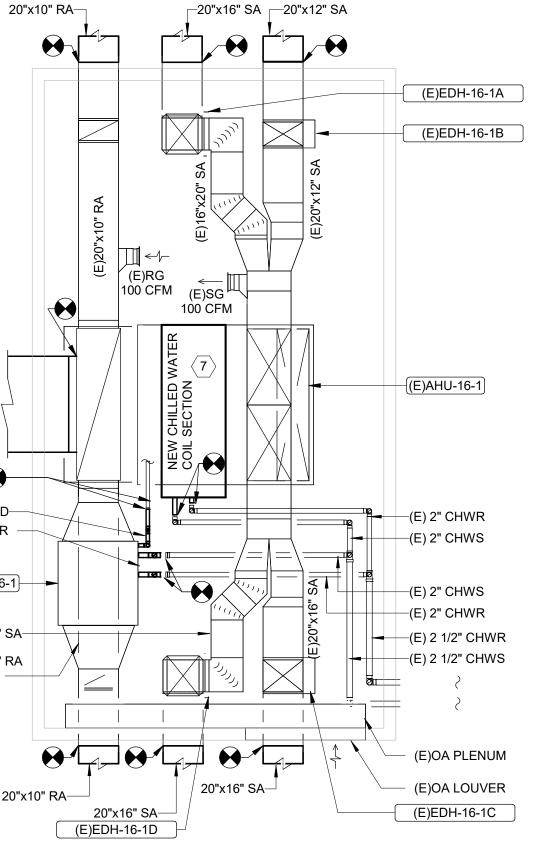


#### **GENERAL NOTES**

- 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**

- CONNECT TO EXISTING RETURN DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
- CONNECT TO EXISTING SUPPLY DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
- 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.
- 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.



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# $\overline{}$ - PHASE DUCTWORK MECHANICAL **PARTIAL FLOOR PLAN**

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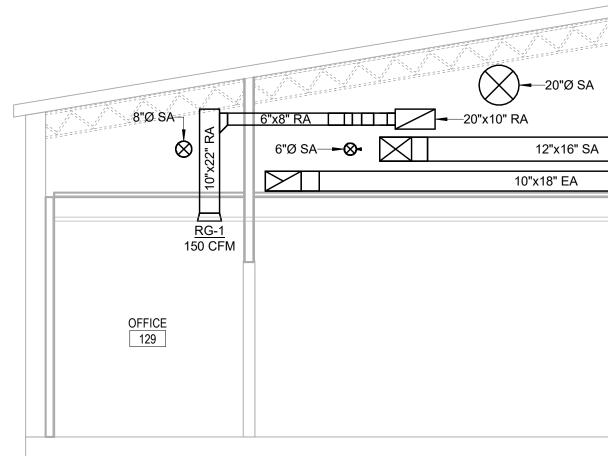
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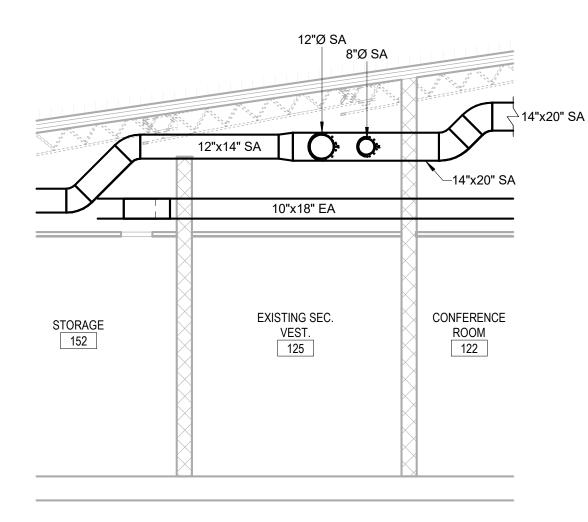
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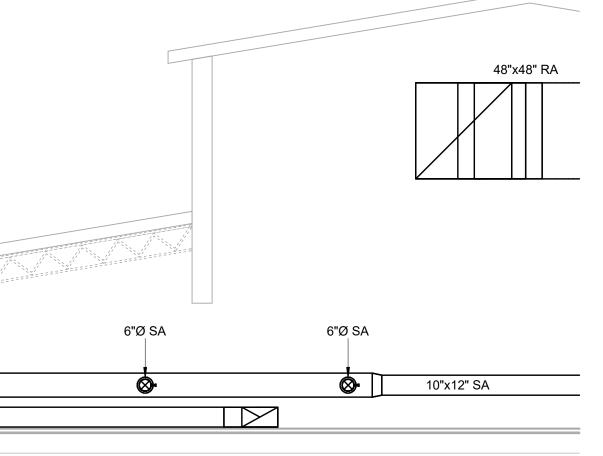
MH-101



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







OPEN OFFICE





	VIEWS	
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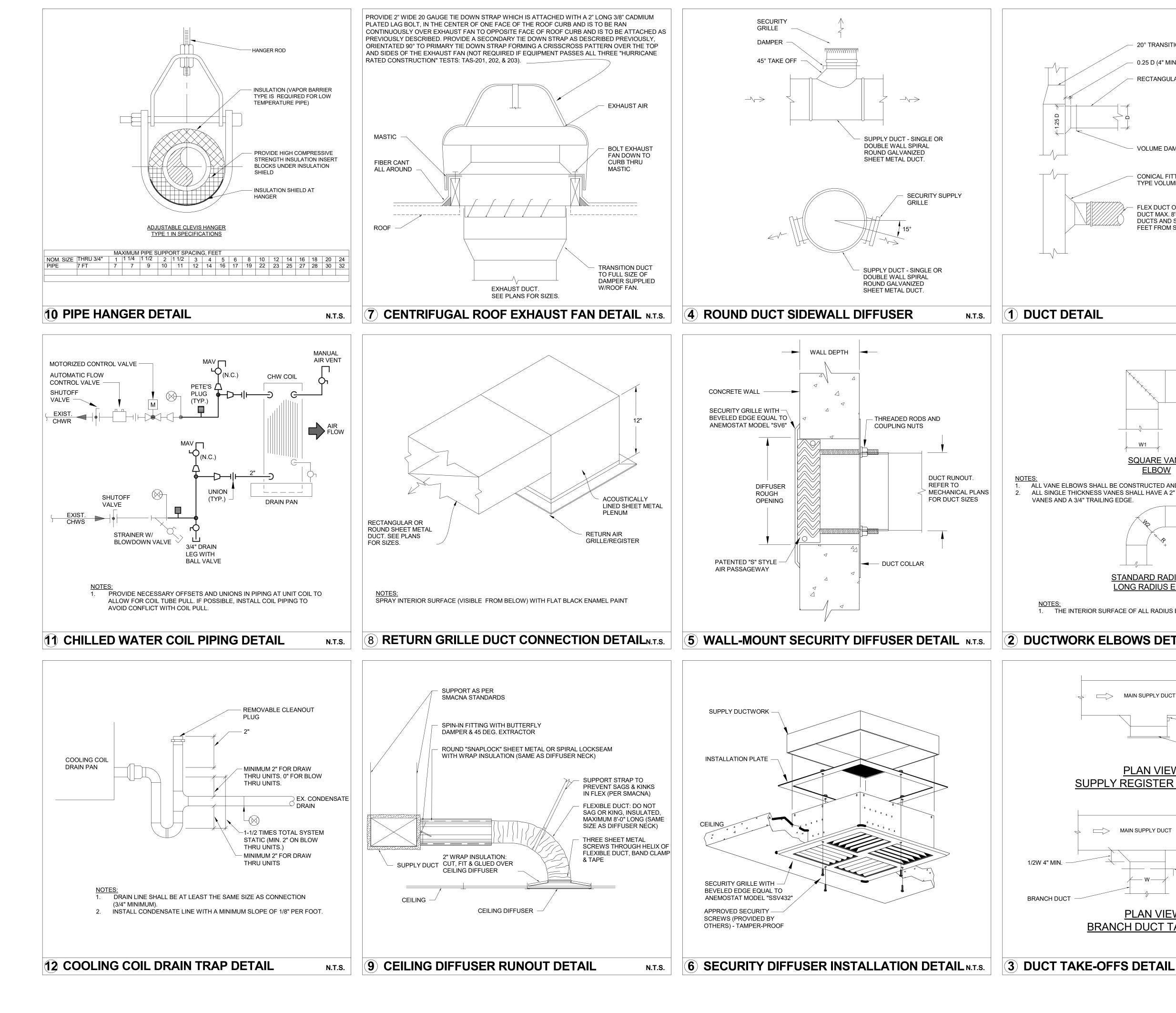
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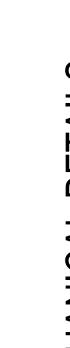
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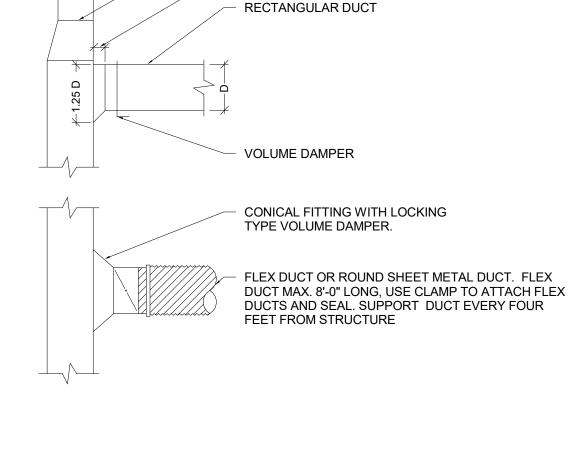
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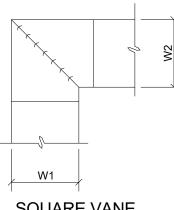




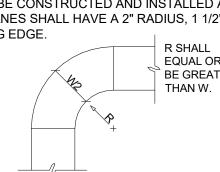
20° TRANSITION (MAX)

0.25 D (4" MIN. PER SMACNA)

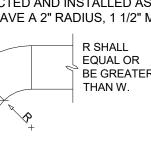
**1** DUCT DETAIL



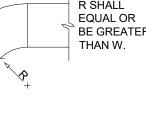
SQUARE VANE <u>ELBOW</u> ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA



EQUAL OR BE GREATER



2. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.



STANDARD RADIUS OR

 $\Box$ 

LONG RADIUS ELBOW

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.

MAIN SUPPLY DUCT

PLAN VIEW

SUPPLY REGISTER TAKE-OFF

<u>PLAN VIEW</u>

**BRANCH DUCT TAKE-OFF** 

MAIN SUPPLY DUCT

1/2W 4" MIN.

BRANCH DUCT

**2** DUCTWORK ELBOWS DETAIL

N.T.S.

ADJUSTABLE METAL

PROVIDE VOLUME DAMPER WHEN SHOWN

N.T.S.

ON PLANS

ROD OR LINKAGE

TOP REGISTER

N.T.S.

CINIC

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HEALTH

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LUNZ

GROUP

											AIR HAND	DLING	UNIT SC	HEDUL	E											
				SUPPLY FAN				CHILLED WATER COIL					FILTERS			1	DIMENSIONS									
MARK	LOCATION	MANUFACTURER	MODEL #	NOMINAL TONNAGE	SUPPLY CFM	OA CFM	ESP	# OF FANS	WHEEL DIAMETER (IN.)	HP	VOLTS/Ø/HZ T	OTAL (MBH)	SENSIBLE (MBH)	EAT (DB/WB)	LAT (DB/WB)	AIR ΔΡ (IN. W.C.)	GPM	EWT/LWT	WATER ΔP (FT H2O)	TYPE	EFFICIENCY	ΔΡ (IN. W.C.)	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	NOTES
(E)AHU-16-1	MEZZANINE MECH ROOM	DAIKIN	CAH017	13.5	9265	2840	2.00	1	22.25	7.5	460/3/60	162.0	124.3	66.3/59.2	54	0.48	27.00	44 / 56	12.70	PLEATED	MERV 8	0.66	88	80	46	1
(E)PCC-16-1	MEZZANINE MECH ROOM	DAIKIN	CAC007	18.4	-	2840	0.30	-	-	-	-	221.1	115.0	92.0/77.0	55	1.06	42.80	44 / 56	11.50	PLEATED	MERV 8	0.59	42	40	42	2
* DESIGN CONDITI NOTES:	ESIGN CONDITIONS: OUTDOOR: SUMMER-92°F/77°F WINTER-40°F INDOOR: 75°F/50% RH NOTES:																									

1.

2

EXISTING AIR HANDLING UNIT TO REMAIN. EXISTING CHILLED WATER COIL SECTION TO BE REMOVED AND REPLACED WITH NEW COIL SECTION. FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. CHILLED WATER COIL SECTION REPLACEMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL EXTEND EXISTING CONCRETE PAD AS REQUIRED TO ACCOMMODATE WIDER COIL SECTION. EXISTING PRE-COOLING COIL UNIT TO REMAIN. EXISTING CHILLED WATER COIL TO BE REMOVED AND REPLACED WITH NEW COIL. FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. CHILLED WATER COIL REPLACEMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

	OUTS	IDE AIR	CALC		ΓΙΟΝ	- SINC	GLE ZO	ONE (AHU	I-16-1)		
OUTSIDE AIR CALCULATIONS								•			
ROOM	AREA (FT <sup>2</sup> )	*PEOPLE /1000 FT <sup>2</sup>	PEOPLE**	CFM / PERSON	PEOPLE CFM	CFM / FT <sup>2</sup>	AREA CFM	AIR DISTRIBUTION EFFECTIVENESS	REQUIRED CFM	SUPPLIED CFM	CFM DIFFERENCE
121 - OPEN OFFICE	1385	5	11	5	55	0.06	83.1	0.8	173	175	2
122 - CONFERENCE ROOM	200	50	8	5	40	0.06	12	0.8	65	65	0
123 - EXISTING SEC. VEST.	155	0	0	0	0	0.06	9.3	0.8	12	15	3
124 - OFFICE	100	5	1	5	5	0.06	6	0.8	14	15	1
125 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
126 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
127 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
128 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
129 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
130 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
131 - OFFICE	135	5	1	5	5	0.06	8.1	0.8	17	20	3
132 - SECURED CORRIDOR	600	0	0	0	0	0.06	36	0.8	45	45	0
133 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
134 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
135 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
136 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
137 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
138 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
139 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
140 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
141 - OPEN	3580	30	20	5	100	0.06	214.8	0.8	394	395	1
142 - SHERIFF'S STATION	125	5	2	5	10	0.06	7.5	0.8	22	25	3
146 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
147 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
148 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
149 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
150 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
151 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
152 - STORAGE	220	2	0	5	0	0.06	13.2	0.8	17	20	3
	1	-	TOTAL CFM	REQ'D		1	1		1193	1215	22

BL	JILDING P	RESSURIZ	ATION				
MARK	OA	MARK	EA				
(E)AHU-16-1	2,840	EF-1	1,280				
		EF-2	1,160				
Total	2,840	Total	2,440				
OA BEING SUPPLIE	D	2840 CFM					
AIR BEING EXHAUS	STED	-2440 CFM					
		400 CFM BUILDING	PRESSURIZATION				

	GRILLE, REGISTER, AND DIFFUSER SCHEDULE											
MARK	MANUFACTURER	MODEL #	DESCRIPTION	CFM RANGE	NECK SIZE	INSTALLATION	FINISH	MATERIAL	REMARKS			
CD-1	ANEMOSTAT	SSV432	MAXIMUM SECURITY CEILING DIFFUSER W/ SLOPED, BEVELED EDGES	0 - 150	8 x 8	FLANGED	WHITE	STAINLESS STEEL	1 - 6			
CD-2	ANEMOSTAT	SSV432	MAXIMUM SECURITY CEILING DIFFUSER W/ SLOPED, BEVELED EDGES	160 - 280	12 x 12	FLANGED	WHITE	STAINLESS STEEL	1 - 6			
CD-3	TITUS	TDC	24" x 24" LOUVERED FACE CEILING DIFFUSER W/ ROUND NECK	0 - 110	6"Ø	LAY-IN	WHITE	ALUMINUM	1 - 5			
CD-4	TITUS	TDC	24" x 24" LOUVERED FACE CEILING DIFFUSER W/ ROUND NECK	110 - 220	8"Ø	LAY-IN	WHITE	ALUMINUM	1 - 5			
SG-1	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 11.5" x 11.5" FACE PLATE	130 - 250	8 x 8	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6			
SG-2	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 15.5" x 15.5" FACE PLATE	300 - 450	12 x 12	DUCT MOUNTED	WHITE	STAINLESS STEEL	1 - 6			
SG-3	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 17.5" x 17.5" FACE PLATE	450 - 600	14 x 14	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6			
EG-1	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 8.4" x 7.4" ROUGH OPENING	0 - 110	6 x 6	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6			
EG-2	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 10.4" x 9.4" ROUGH OPENING	120 - 200	8 x 8	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6			
EG-3	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 12.4" x 11.4" ROUGH OPENING	200 - 300	10 x 10	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6			
RG-1	TITUS	50F	24" x 12" EGGCRATE RETURN GRILLE 1/2" x 1/2" x 1/2" GRID	0 - 800	22 x 10	LAY-IN	WHITE	ALUMINUM	1 - 5			
RG-2	TITUS	50F	24" x 12" EGGCRATE RETURN GRILLE 1/2" x 1/2" x 1/2" GRID	800 - 1750	22 x 22	LAY-IN	WHITE	ALUMINUM	1 - 5			
RG-3	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 20.4" x 19.4" ROUGH OPENING	500 - 650	18 x 18	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6			
RG-4	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 12.4" x 11.4" ROUGH OPENING	200 - 300	10 x 10	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6			
RG-5	ANEMOSTAT	HD35-MS	RETURN GRILLE W/ FIXED LOUVERS 40° DEFLECTION; 49.875" x 49.875" FACE PLATE	3000 - 4500	48 x 48	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6			

NOTES:	
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PAINT PER ARCHITECT. 1.

NECK SIZE AS LISTED. SEE PLANS FOR DUCT RUNOUT SIZE. 2.

3. SIZE GRILLE AS PER FLOOR PLAN. DAMPERS SHALL BE INSTALLED IN DUCTWORK FOR ALL DIFFUSERS/GRILLES UNLESS OTHERWISE INDICATED. 4. INSTALL AIR DEVICES PER MANUFACTURER'S INSTRUCTIONS. 5. 6.

AIR DEVICES SHALL BE MAXIMUM SECURITY RATED AND LIGATURE RESISTANT.

EXHAUST FAN SCHEDULE											
MARK	MANUFACTURER	MODEL #	TYPE	CFM	ESP	HP	VOLTS/Ø	BDD	DRIVE	WEIGHT (LBS)	REMARKS
EF-1	GREENHECK	G-120-VG	ROOF	1,280	0.5	1/2	115/1	YES	DIRECT	100	1 - 4
EF-2	GREENHECK	G-120-VG	ROOF	1,160	0.5	1/2	115/1	YES	DIRECT	100	1 - 4
NOTES:											
1.	PROVIDE WITH GRAVIT	Y BACKDRAFT DAM	PER, BIRDSCREE	N, ECM MOTO	R, AND SP	EED CONT	ROLLER.				
2.	PROVIDE FACTORY DIS										
3.	ROOF CURB TO BE FUR ROOF CURB SHALL HAV	/E HIGH WIND RATIN	NG OF NO LESS T				OR.				
4.	FAN SHALL BE INTERLO	OCKED WITH (E)AHU	-16-1.								





S SCHEDULE MECHANICAL

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

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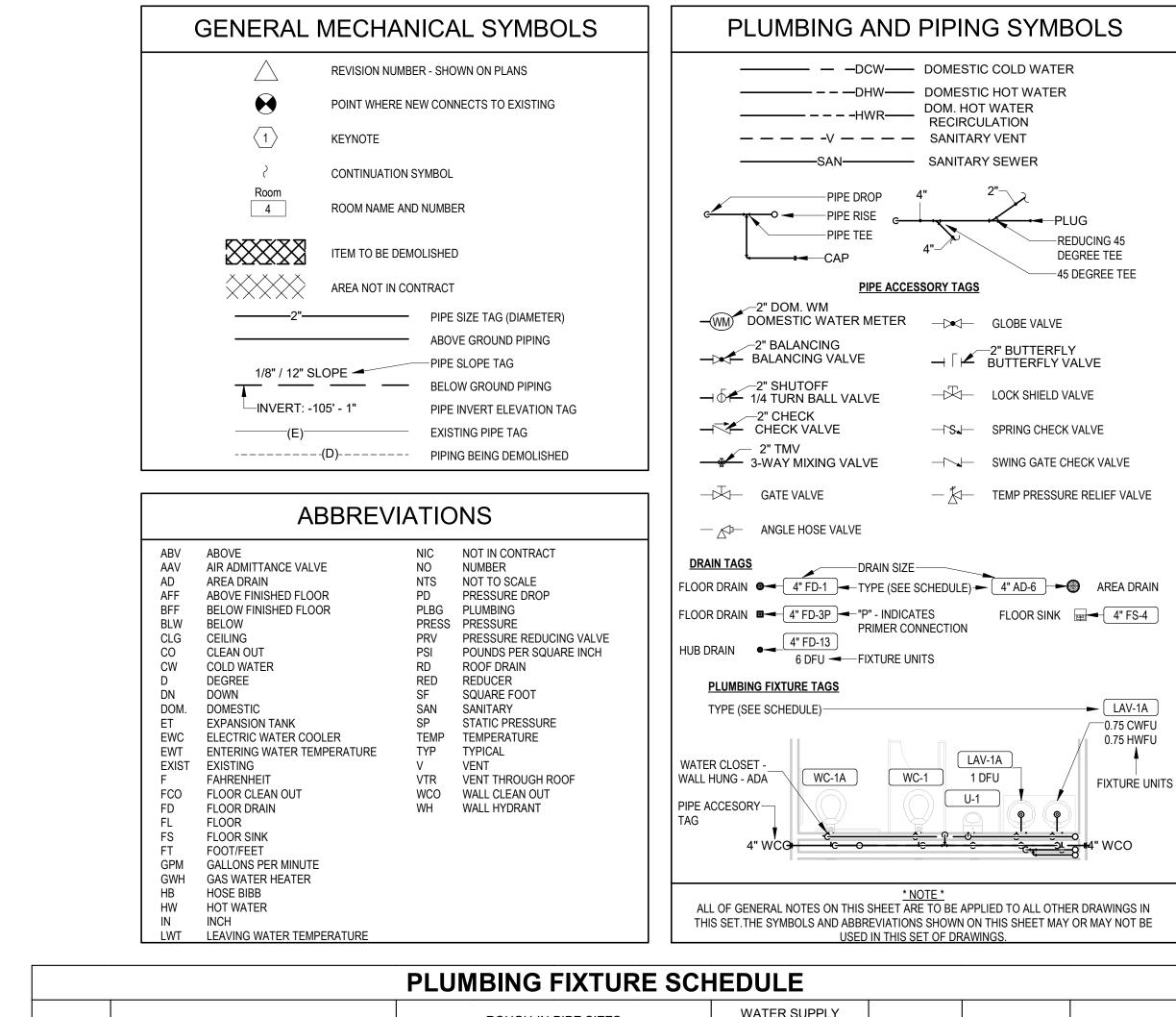
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	PLUMBING FIXTURE SCHEDULE									
FIXTURE		ROUGH-IN PIPE SIZES WATER SUPPLY DURATION				BASIS OF	BASIS OF			
MARK	FIXTURE DESCRIPTION	COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	COLD WATER	HOT WATER	DRAINAGE	DESIGN MAKE	DESIGN MODEL
WC-1	COMBINATION LAVATORY AND WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL. FLOOR MOUNTED, WALL OUTLET, MECHANICAL FLUSH VALVE, 1.28 GPF. PROVIDE WITH PENAL BUBBLER. PROVIDE WITH SECONDARY CONTROL OF FLUSH VALVE TO BE LOCATED REMOTELY.	LAV: 1/2" WC: 1"	LAV: 1/2" WC: -	LAV: 2", WC: 4"	LAV: 2" WC: 4"	LAV: 0.5 WC: 6	LAV: 0.5 WC: -	LAV: 1 WC: 4	ACORN	1432ALAR
WC-2	WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL. FLOOR MOUNTED, WALL OUTLET, MECHANICAL FLUSH VALVE, 1.6 GPF.	1"	N/A	4"	4"	6	N/A	4	ACORN	1695
WC-3	WATER CLOSET - BARRIER FREE FLOOR MOUNTED 17" HIGH, ELONGATED, 1-1/2" TOP SPUD. VITREOUS CHINA, 1.6 GPF. ROUND FRONT SEAT COVER, STAINLESS STEEL HINGE. PROVDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.	1"	N/A	4"	4"	6	N/A	4	AMERICAN STANDARD; SLOAN	215BA; 111
LAV-1	LAVATORY - TERREON CONSTRUCTION. WALL MOUNTED, ELECTRONICALLY OPERATED.	1/2"	1/2"	2"	2"	1.5	1.5	1	ACORN	HSL1
LAV-2	LAVATORY, BARRIER FREE - 20X18" VITREOUS CHINA, WALL HUNG, SINGLE HOLE. PROVIDE FLOOR CARRIER WITH CONCEALED ARMS. CHROME FAUCET, GRID DRAIN ASSEMBLY. TOP OF FRONT RIM MOUNTED 34" FROM FINISHED FLOOR. PROVIDE STOPS, SUPPLIES, TRAP, ETC., TO MAKE A COMPLETE INSTALLATION.	1/2"	1/2"	2"	2"	0.5	0.5	1	AMERICAN STANDARD; DELTA	0355; 27C4974
MS-1	MOP SINK - 24X24X10" ONE-PIECE CONSTRUCTION, INTEGRALLY MOLDED CENTER DRAIN WITH SEAL. PROVIDE WITH HOSE AND HOSE HOOK, MOP BRACKET, VACUUM BREAKER, AND WALL GUARDS.	1/2"	1/2"	3"	3"	2.25	2.25	2	FIAT; MOEN	TSB-3010; 8230
SH-1	SHOWER - 14 GAUGE TYPE 304 STAINLESS STEEL. PNEUMATICALLY OPERATED, PRESSURE BALANCING MIXING VALVE, AND INTEGRAL SERVICE STOPS.	1/2"	1/2"	2"	2"	3	3	2	ACORN	1741-8MV-RD
WH-1	WALL HYDRANT - ENCASED, NON-FREEZE, ANTI-SIPHON FLUSH WALL HYDRANT. NICKEL BRONZE FACE WITH LOCKING HINGED COVER. INCLUDED OPERATING KEY.	3/4"	N/A	N/A	N/A	5	N/A	N/A	ZURN	Z1320XL-NB

#### PLUMBING NOTES

ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL. STATE, AND LOCAL CODES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE 2023 FLORIDA PLUMBING CODE. WHERE CONFLICTS OCCUR BETWEEN CODES, OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.

- REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND BEGINNING WORK. INSTALLATIONS ARE TO INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.
- COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, ELECTRICAL, LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK, AS COORDINATED WITH THE HVAC CONTRACTOR.
- ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT.
- 5. COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.
- 3. THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
- VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES, FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.
- 3. MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL FITTINGS AND CONNECTIONS ARE NOT SHOWN ON DRAWINGS.
- 9. VERIFY LOCATION OF WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
- 10. CUT AND PATCH CONCRETE AS REQUIRED.
- 11. IT IS NOT THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL. ANY EQUIPMENT. PLUMBING FIXTURE. TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
- 12. THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWING. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THAT CONTRACTOR.
- 13. CONTRACTOR SHALL SUPPLY TO THE ARCHITECT/ENGINEER THE REQUIRED COPIES OF SHOP DRAWINGS FOR APPROVAL SO THE QUALITY OF INTENDED MATERIALS OR EQUIPMENT CAN BE REVIEWED BEFORE INSTALLATION. THERE WILL BE NO INSTALLATION UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY THE ARCHITECT/ENGINEER.
- 14. DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLAN FOR BUILDING DIMENSIONS.
- 15. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DESIGNED AROUND BASIS OF DESIGN PRODUCTS WHICH HAVE ESTABLISHED THE PERFORMANCE CRITERIA FOR THIS PROJECT. PRODUCTS SUBMITTED BY THE CONTRACTOR MAY BE ARRANGED DIFFERENTLY AND THE PRODUCTION OF CONTRACTOR COORDINATED DRAWINGS IS REQUIRED TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION. THESE DIAGRAMMATIC DRAWINGS DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, FITTINGS, AND ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION OF WORK. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
- 16. VERIFY SERVICE POINTS AND METERING LOCATIONS FOR PROJECTS WITH LOCAL UTILITIES AND/OR LANDLORD (DOMESTIC WATER, SANITARY SEWER, GAS, ETC.).
- 17. THE CONTRACTOR SHALL COOPERATE FULLY AMONG ALL TRADES.
- 18. ALL ROOF PENETRATIONS FOR ROOF DRAINS AND PLUMBING SHALL BE MADE IN ACCORDANCE WITH ROOF SYSTEM MANUFACTURER'S GUIDELINES. COORDINATE WITH ARCHITECTURAL DETAILS AND/OR MANUFACTURER FOR ROOF SYSTEM USED.
- 19. ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" BEFORE ROOF PENETRATION.
- 20. INSTALL 1" INSULATION WITH ALL-SERVICE JACKET ON ALL ROOF LEADERS ABOVE CEILING.
- 21. INSTALL PLENUM RATED INSULATION WRAP ON ALL PLASTIC VENT, SANITARY AND STORM PIPING LOCATED WITHIN A RETURN AIR PLENUM.
- 22. PLUMBING CONTRACTOR SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT AND/OR WATER COMPANY AS TO THE METER AND VALVING ARRANGEMENTS OF THE DOMESTIC WATER SERVICE LINE WHICH ENTERS THE BUILDING. SHOULD A BACKFLOW PREVENTER ASSEMBLY AND/OR PRESSURE REDUCING VALVE ASSEMBLY BE REQUIRED, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL AS REQUIRED PER LOCAL AND STATE REQUIREMENTS. THE BACKFLOW ASSEMBLY SHALL BE A "WATTS" SERIES #909 OR APPROVED EQUAL, MEETING ASSE STANDARDS 1013, 1015, & 1020. IF BACKFLOW PREVENTER IS REQUIRED, PROVIDE PROPERLY SIZED THERMAL EXPANSION TANK IN SUPPLY PIPING OF WATER HEATER. IF WATER PRESSURE IS 65 PSI OR ABOVE, THE PRESSURE REDUCING VALVE ASSEMBLY SHALL BE A "WATTS" SERIES #U5 SET AT 50 PSI DELIVERY PRESSURE, UNLESS OTHERWISE NOTED.
- 23. THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE, BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER DISTRIBUTION SYSTEM OR ANY PART THEREOF BY MEANS OF A REVERSAL OF FLOW. PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM, OR BY INJECTION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED. MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW DEVICES, CHECK VALVES, AIR GAPS, OR VACUUM BREAKERS. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THESE DEVICES PER LOCAL CODE REQUIREMENTS.
- 24. THE WATER PIPING SYSTEM SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH LOCAL REGULATIONS.
- 25. HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH AND AS REQUIRED.
- 26. ALL PIPES HANGING FROM SINGLE VERTICAL RODS / HANGERS SHALL NOT MOVE OR SWAY DURING OPERATION. SUITABLE LATERAL SUPPORTS OR BRACING SHALL BE USED TO PREVENT SWAY OR MOVEMENT.

27. PROVIDE SHUTOFF BALL VALVES AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER LINES. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.

#### **PLUMBING NOTES**

- 28. VERIFY MOUNTING HEIGHTS OF ALL BARRIER FREE FIXTURES WITH ARCHITECTURAL PLANS.
- 29. PROVIDE COPPER INDIRECT WASTE PIPING REQUIRED FROM EQUIPMENT TO FLOOR DRAINS, OPEN RECEPTACLES, OR FLOOR SINKS. PIPING SHALL COMPLY WITH STATE AND LOCAL CODES. COORDINATE WITH ALL EQUIPMENT SUPPLIERS AND SIZES AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD PIPING TIGHT TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED. COORDINATE WITH CASEWORK SUPPLIER FOR MAXIMUM CLEARANCE UNDER CABINETS.
- 30. PROVIDE CHROME PLATED ESCUTCHEONS AT ALL WALL PENETRATIONS. 1. INSTALL STORM AND CONDENSATE PIPING WITH A MINIMUM SLOPE OF 1/8"
- PER FOOT UNLESS OTHERWISE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
- 32. INSTALL SANITARY PIPING LESS THAN 3" WITH A MINIMUM SLOPE OF 1/4" PER FOOT. 3" TO 6" WITH A MINIMUM SLOPE OF 1/8" PER FOOT. GREATER THAN 6" WITH A MINIMUM SLOPE OF 1/16" PER FOOT. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
- 33. ALL FLOOR DRAINS ARE TO BE PROVIDED WITH MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS, AND AUTOMATIC TRAP PRIMERS, TRAP PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. HOLD TOP OF FLOOR DRAINS FLUSH WITH FINISHED FLOOR: SEE ARCHITECTURAL SHEETS FOR FLOOR SLOPES AND PROPER FINISHED FLOOR ELEVATION.
- 34. ALL VENT PIPE TO BE COMPATIBLE WITH STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL EQUIPMENT, AND LIGHTING. ALL VTR'S SHALL BE EXTENDED TO A MINIMUM OF 2" ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
- 35. MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, AWWE, AGA AND NFPA AS WELL AS THE MOST CURRENT ADOPTED VERSION OF THE STATE AND LOCAL CODES.
- 36. ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL CONTRACTOR SUPPLIED DEFECTIVE DEVICES, ITEMS, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
- 37. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- 38. ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNLESS OTHERWISE NOTED). PROVIDE COMPLETE WITH ALL TRIM, STOPS, HANGERS, CARRIERS, SUPPORTS, ETC., INCLUDING PROVISIONS FOR BARRIER FREE USE, IF REQUIRED. WHERE FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL ADA REGULATIONS.
- 39. CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERECTED, ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH NO SPECIFIC MANUFACTURER'S GUARANTEE IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURER'S GUARANTEED EQUIPMENT. THE CONTRACTOR'S GUARANTEE SHALL LAST ONE YEAR FROM THE FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
- 40. ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
- 11 ALL BARRIER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL. VERIFY IF RIGHT OR LEFT SIDE LOCATION.

#### **PLUMBING ACCESSORIES**

FLOOR DRAIN - ZURN ZN415B-P-IP; 6" CAST-IRON FLOOR DRAIN BODY AND COLLAR, 3" THREADED DRAIN OUTLET WITH 3" DEEP SEAL P-TRAP, 1/2" TRAP-SEAL PRIMER CONNECTION WITH PRESSURE ACTIVATED TRAP PRIMER VALVE. PROVIDE WITH VANDAL-PROOF SECURED TOP.

TRAP PRIMER - ZURN Z1022 SANI-GUARD: CONNECT TO CW WITH VALVE. EXTEND TRAP PRIMER TO FLOOR DRAIN AS REQUIRED. 1/2" CW. DEEP SEAL TRAP - ZURN Z1000; DURA-COATED CAST IRON BODY WITH

BOTTOM BRONZE CLEANOUT PLUG. 3" PIPE SIZE. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS WITH EITHER A TRAP PRIMER CONNECTION OR DEEP SEAL P-TRAP.

FCO: FLOOR CLEANOUT - ZURN ZN1400-K; CAST-IRON ADJUSTABLE HOUSING FLOOR CLEANOUT; RAISED, TAPERED THREAD BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; NICKEL-BRONZE ROUND SCORIATED TOP COVER; INSIDE CAULK OUTLET, SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.

WCO: WALL CLEANOUT - ZURN Z1446; CAST-IRON CLEANOUT TEE; RECESSED, TAPERED THREAD BRONZE PLUG; STAINLESS STEEL OR CHROME-PLATED BRASS WALL ACCESS COVER PLATE; SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.

GCO: GRADE CLEANOUT - ZURN ZN1400-HD; CAST-IRON ADJUSTABLE HOUSING CLEANOUT FERRULE; RECESSED, TAPERED THREAD, BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; SAME SIZE AS CONNECTED DRAINAGE PIPING; INSTALL IN 24" X 24" X 12" DEEP CONCRETE PAD FLUSH WITH GRADE; ASME A112.36.2M. INSTALL END-OF-LINE CLEANOUT WITH LONG SWEEP ELBOW; INSTALL 2-WAY CLEANOUT WITH 2-WAY CLEANOUT FITTING.

PCO: PINNED CLEANOUT - ACORN PC; 2-1/2" NPT BRASS CLEAN-OUT PLUG. PERMANENT 5/32" STAINLESS STEEL PIN.

Number

P-001

PD-101

PD-201

P-101

P-201

P-401

P-501

P-901

D-902

1.	THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
2.	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.
3.	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.
4.	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.
5.	<ul> <li>ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:</li> <li>FLORIDA BUILDING CODE (FBC) 2023</li> <li>FLORIDA EXISTING BUILDING CODE 2023</li> <li>FBC MECHANICAL 2023</li> <li>FBC PLUMBING 2023</li> <li>FBC ENERGY CONSERVATION 2023</li> <li>FLORIDA FIRE PREVENTION CODE 2023</li> <li>NFPA 1-2021, THE UNIFORM FIRE CODE</li> <li>NFPA 101-2021, THE LIFE SAFETY CODE</li> <li>NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK</li> <li>NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS</li> <li>NFPA 70-2020, NATIONAL ELECTRICAL CODE</li> <li>NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS.</li> <li>NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.</li> </ul>
6.	CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
7.	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.
8.	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.
9.	ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
10.	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.
11.	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.
12.	CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
13.	THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
14.	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.
15.	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.
16.	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.
17.	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.

Sheet Name

PLUMBING NOTES, LEGENDS, & SCHEDULES

PLUMBING RENOVATION - ENLARGED PLANS

PLUMBING DETAILS

SANITARY & VENT ISOMETRIC

DOMESTIC WATER ISOMETRIC

PLUMBING DEMOLITION PLAN - SANITARY AND VENT

PLUMBING DEMOLITION PLAN - DOMESTIC WATER

PLUMBING RENOVATION PLAN - DOMESTIC WATER

PLUMBING RENOVATION PLAN - SANITARY AND VENT



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#### KEYNOTES 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.
- EXISTING 4" SANITARY PIPE SHALL BE DEMOLISHED BACK TO EXISTING MAIN SANITARY SEWER LINE UNDERGROUND. REFER TO CIVIL FOR CONTINUATION.



#### PLUMBING GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
- EXISTING CONDITIONS ARE BASED ON FIELD OVSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
- 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.





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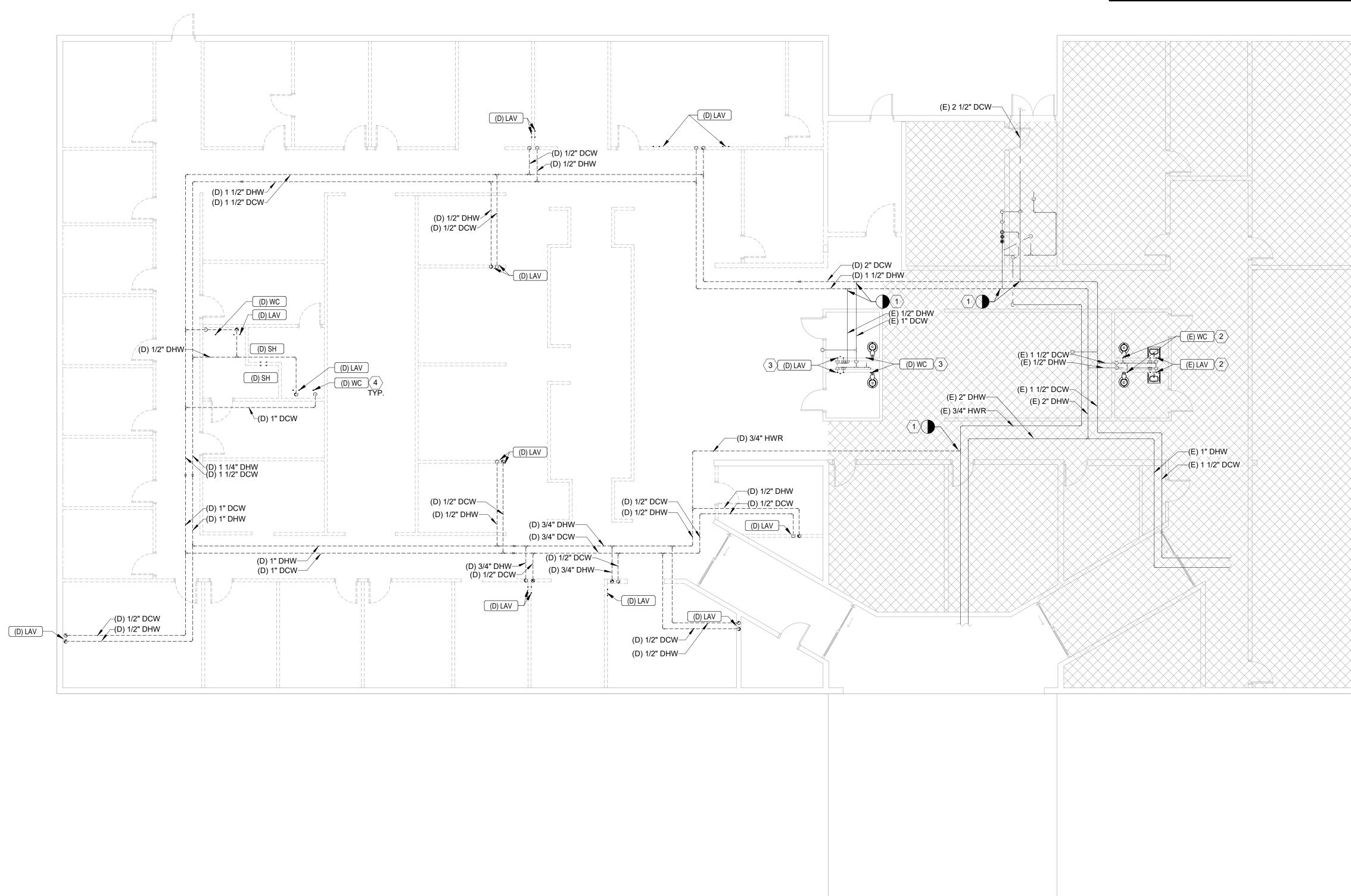
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# SANITARY AND VENT LAN PLUMBING DEMOLITION P



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

<b>(#</b> )	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

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.
- 3. EXISTING CONDITIONS ARE BASED ON FIELD OVSERVATIONS 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.



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PLUMBING DEMOLITION PLAN - DOMESTIC WATER

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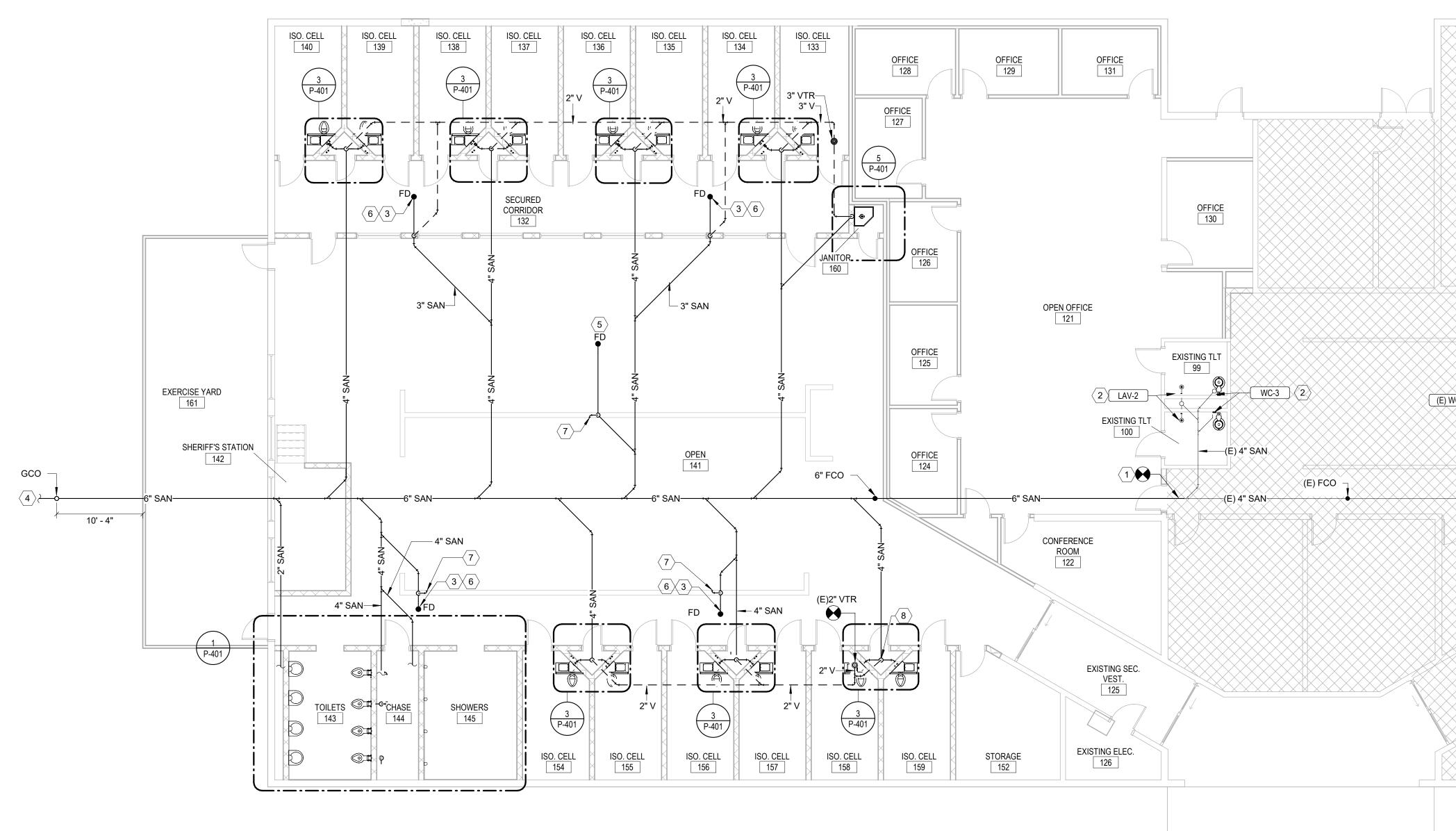
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PLUMBING RENOVATION PLAN - SANITARY AND VENT 1/8" = 1'-0"

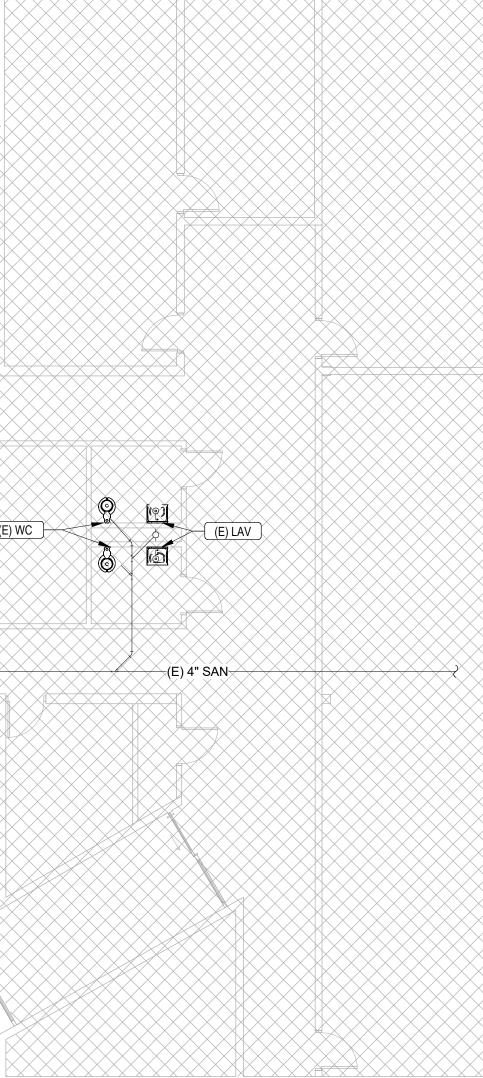
#### KEYNOTES

- 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 OVSERVATIONS 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.







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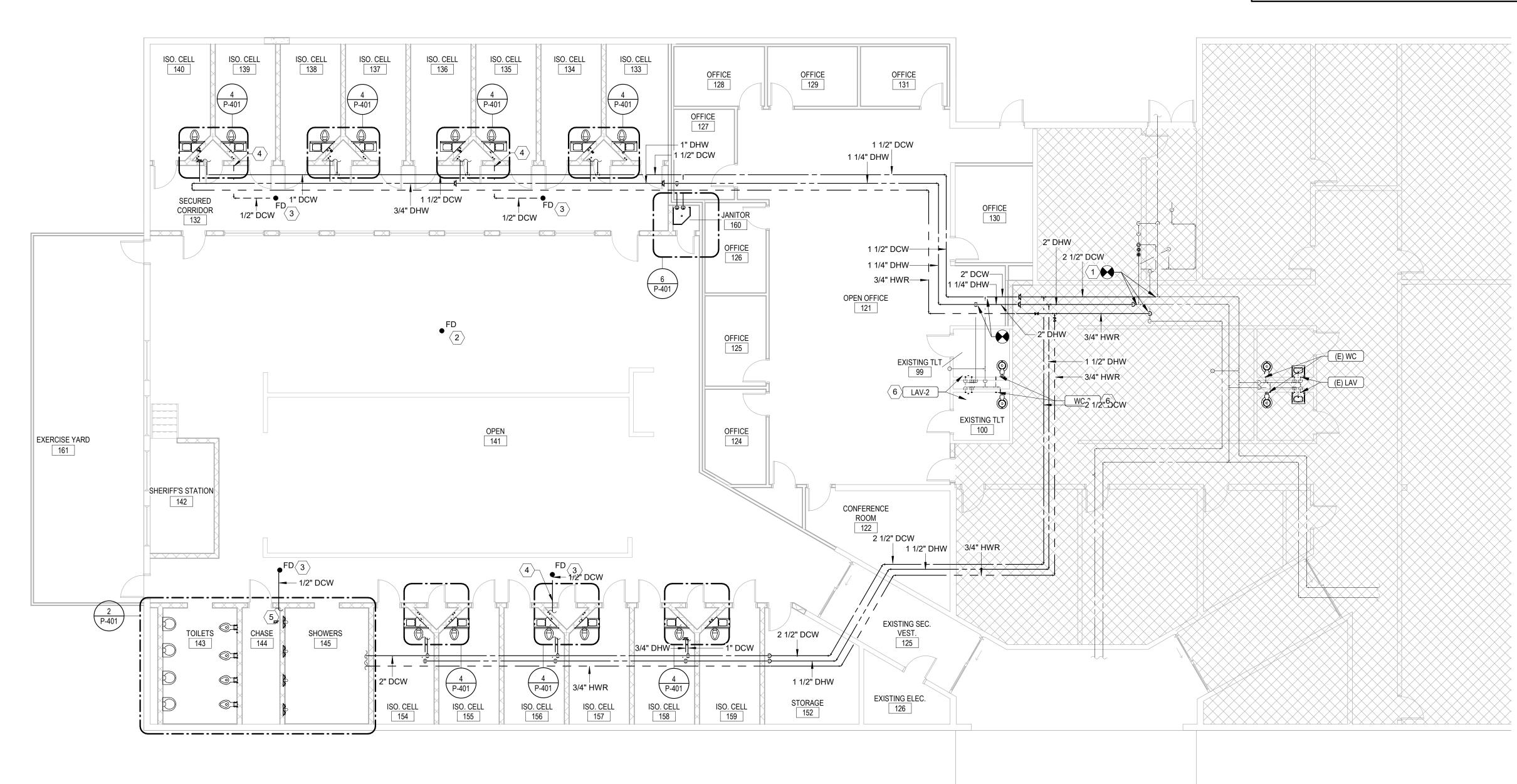
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P-101

PLUMBING RENOVATION PLAN - SANITARY AND VENT





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#### KEYNOTES

- 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 OVSERVATIONS 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.





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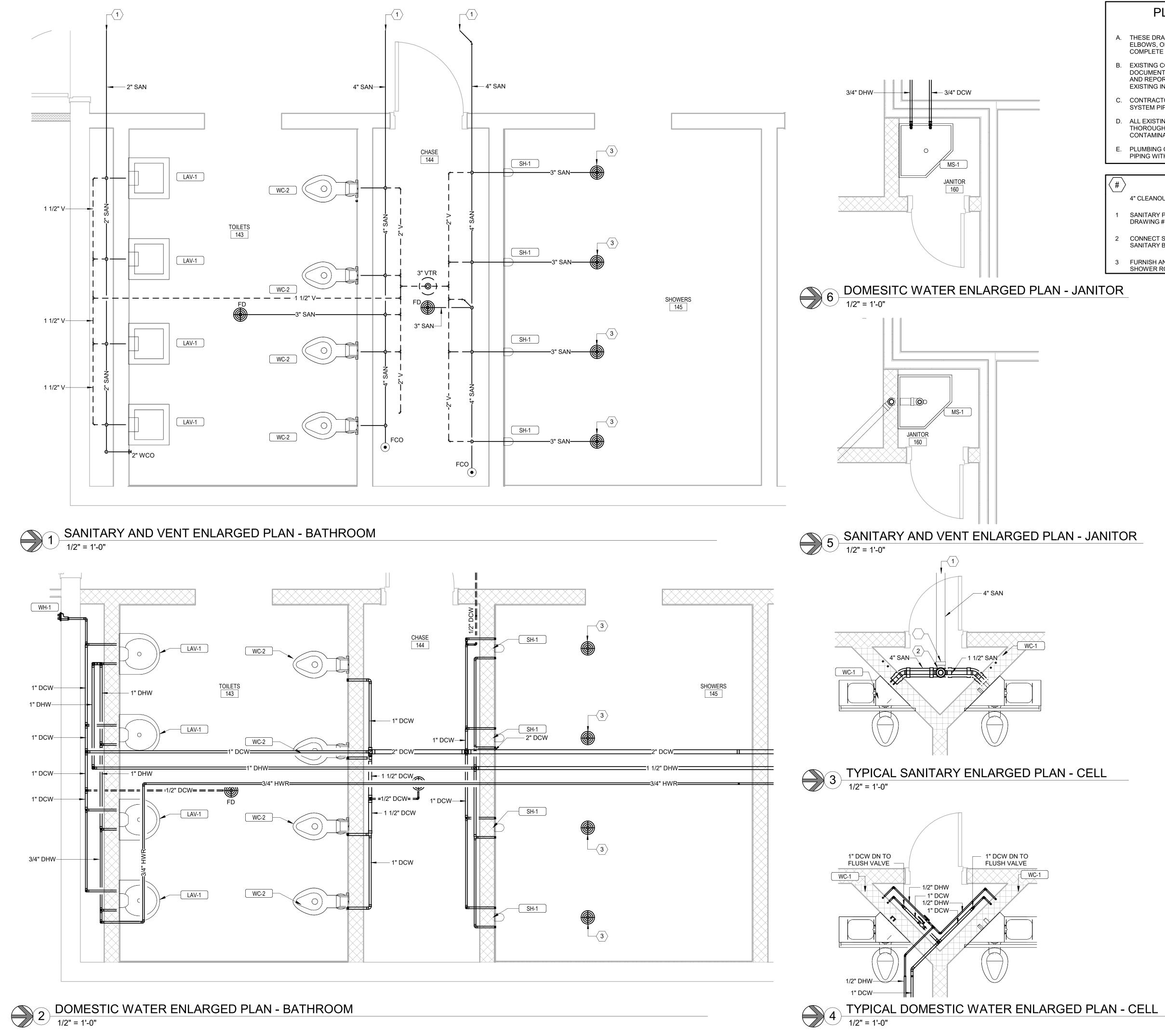
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#### PLUMBING GENERAL NOTES

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- EXISTING CONDITIONS ARE BASED ON FIELD OVSERVATIONS 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.

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- SANITARY PIPING (BELOW GRADE) TO BUILDING MAIN SANITARY LINE. REFER TO DRAWING #1/P-101 FOR CONTINUATION.
- 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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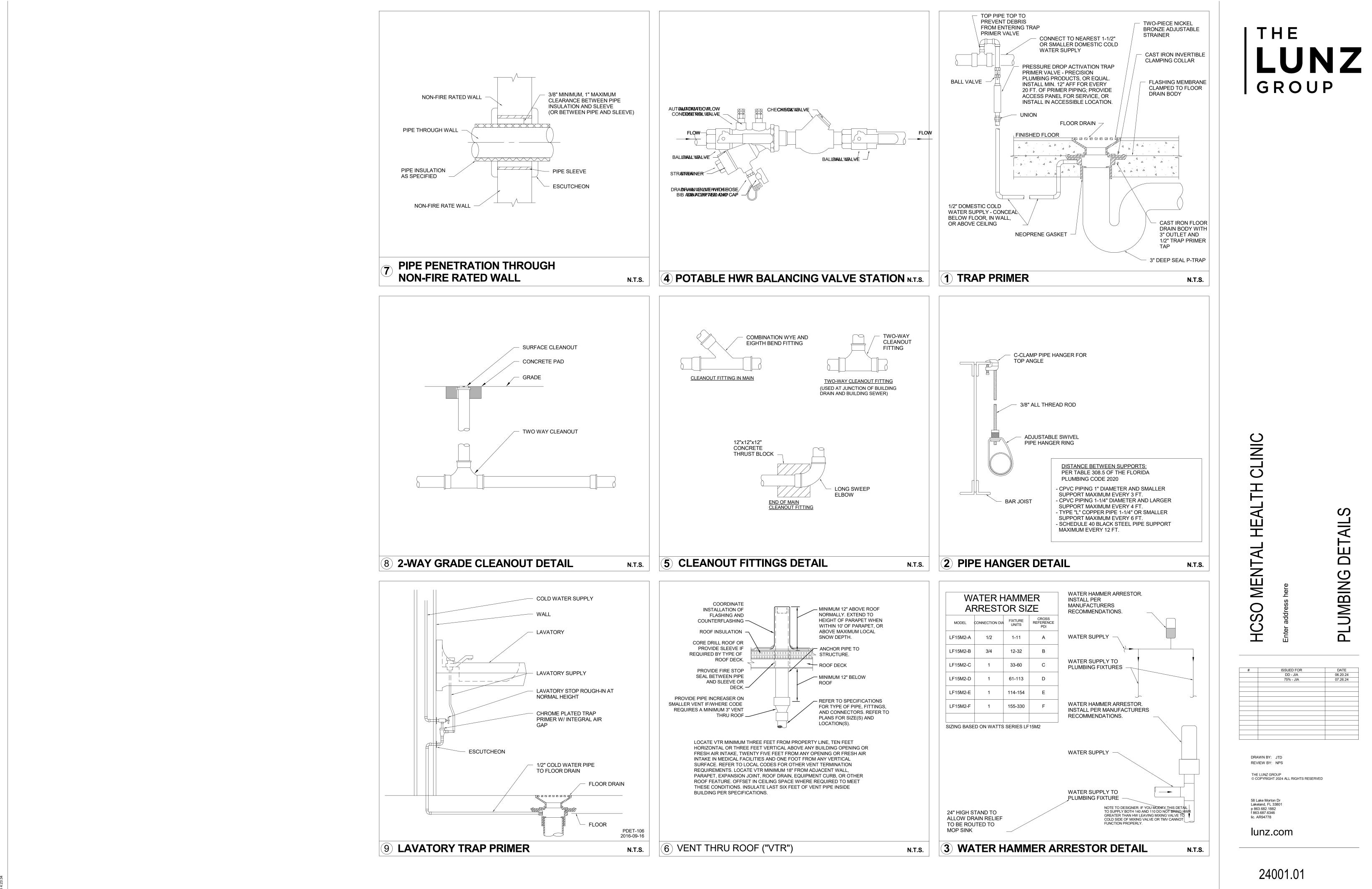
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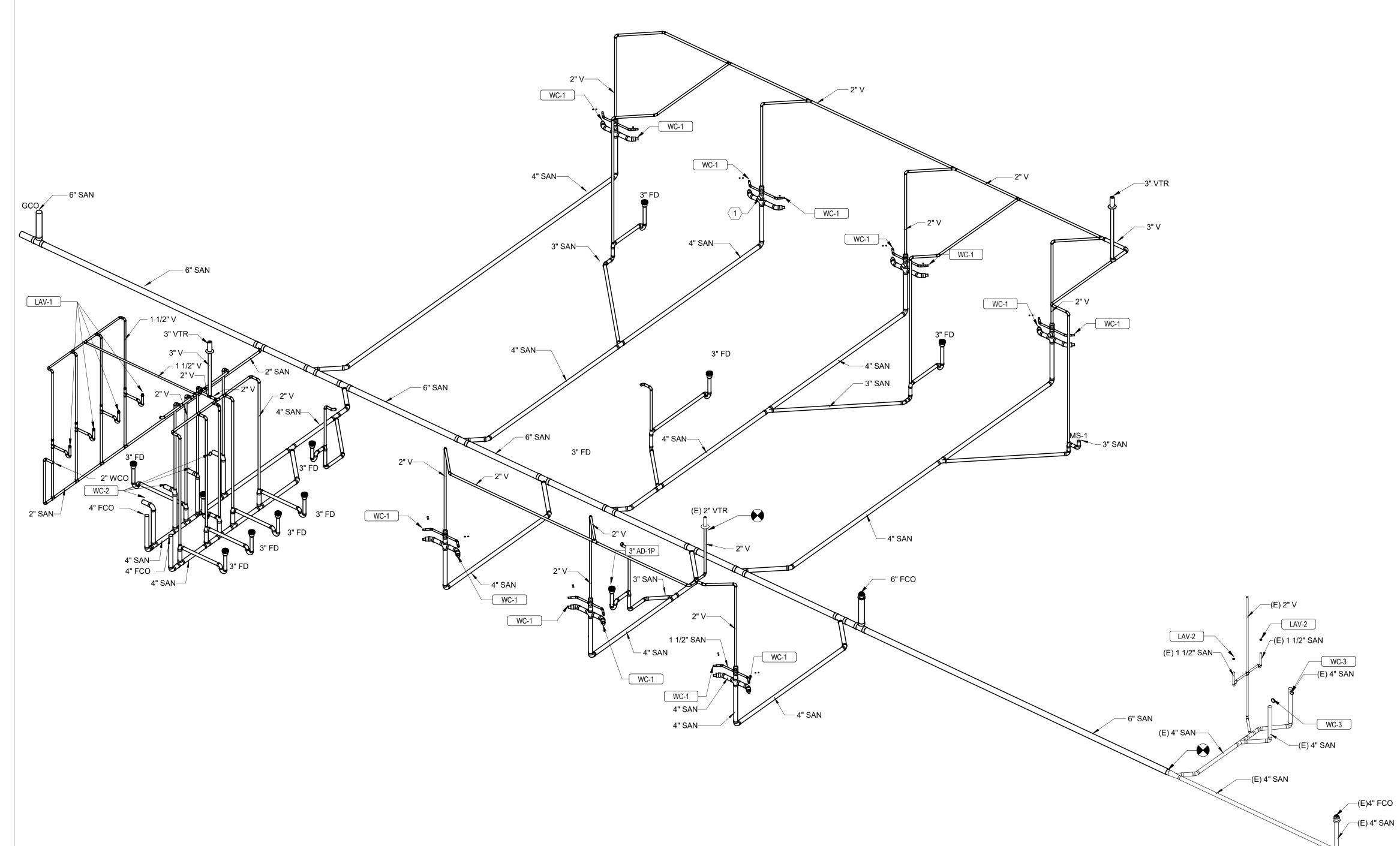
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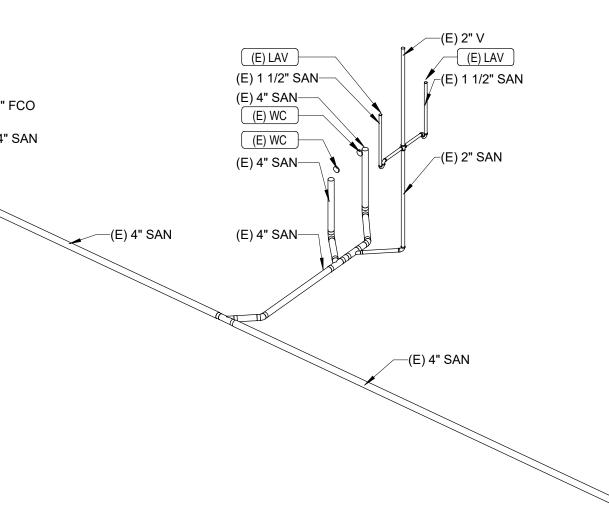




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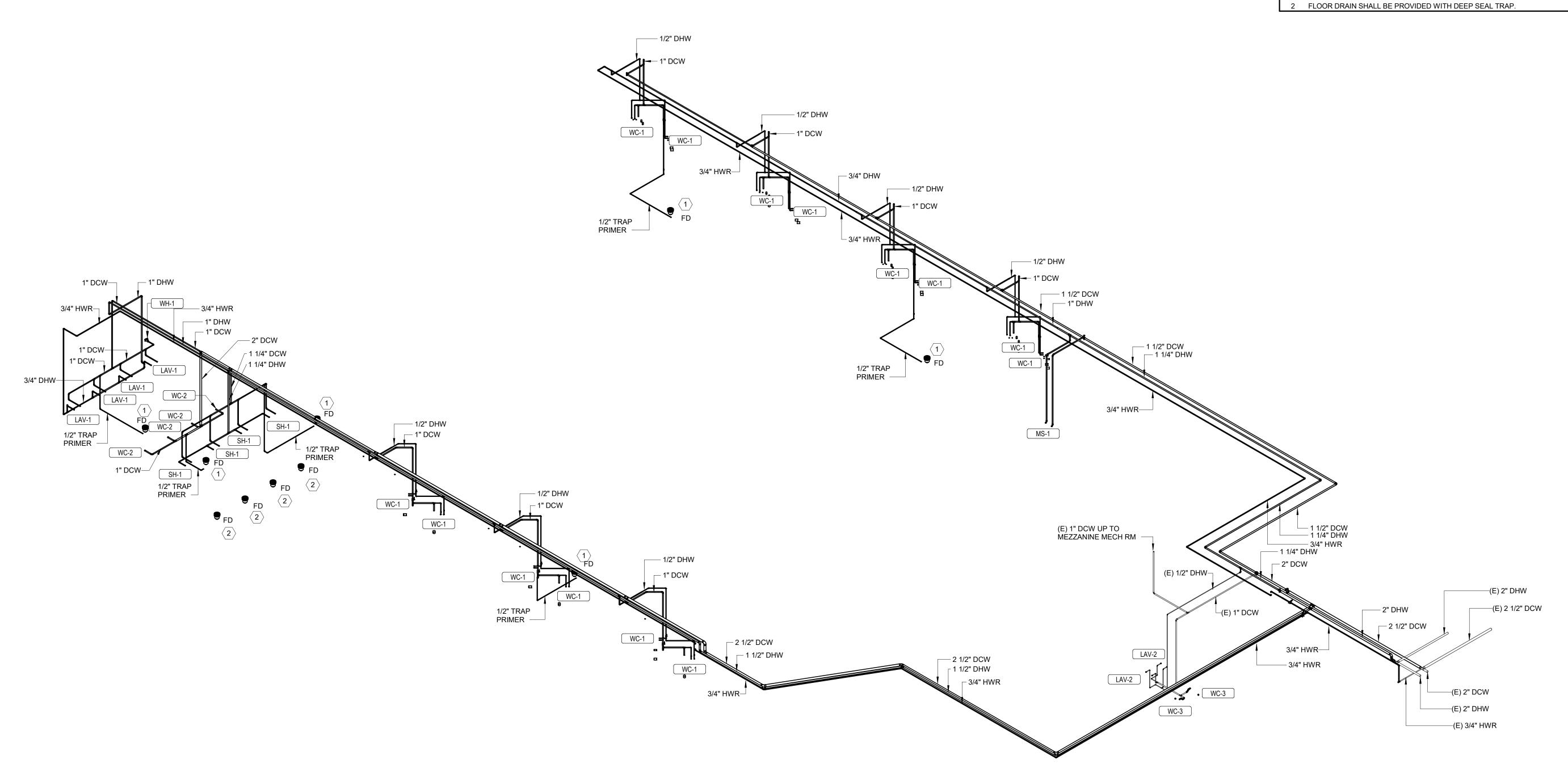
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1 FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.





DOMESTIC WATER ISOMETRIC

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#### ELECTRICAL ABBREVIATIONS LIST

	ELECTRICAL ABBRE	VIAII	ONS LIST
1P	1 POLE (2P, 3P, 4P, ETC.)	MCB	
A AC	AMPERE ABOVE COUNTER	MCC MDC	MAIN DISTR
ACLG		MDP	MAIN DISTR
ADO AF	AUTOMATIC DOOR OPENER AMP FRAME	MEC	
AFF	ABOVE FINISHED FLOOR	MH MIC	MANHOLE
AFG AFI	ABOVE FINISHED GRADE ARC FAULT CIRCUIT	MIC	
	INTERRUPTER	MISC	MISCELLAN
AHU AI	AMF FRAME ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ARC FAULT CIRCUIT INTERRUPTER AIR HANDLING UNIT ALUMINUM	MLO MMS	
ALT	ALTERNATE	MOA	MULTIOUTL
	AMPERE AMPLIFIER	MSP MSBE	MOTOR STA MAIN SWITC
ANNUN	ANNUNCIATOR	MT	
APPROX	APPROXIMATELY	MT.C	
AQ-STAT ARCH	AQUASTAT ARCHITECT, ARCHITECTURAL	MTS MTR	MANUAL TR MOTOR, MC
AS	AMP SWITCH	MTR N.C. NEC	NORMALLY
	AMP TRIP AUTOMATIC TRANSFER SWITCH	NEC NEM/	NATIONAL E NATIONAL E
AUTO	AUTOMATIC		MANUFACT
AUX AV	AUXILIARY AUDIO VISUAL	NFDS	NON-FUSED SWITCH
AWG	AMERICAN WIRE GAUGE BATTERY	NIC	NOT IN CON
BATT BD	BATTERY BOARD	NL N.O.	NIGHT LIGH NORMALLY
BLDG	BUILDING	NPF	NORMAL PC
BMS C	BUILDING MANAGEMENT SYSTEM	NTS OH	
CAB	CONDUIT CABINET	OL	OVERHEAD
CAT CATV	CATALOG CABLE TELEVISION CIRCUIT BREAKER	PA PB	PUBLIC ADD
CATV	CIRCUIT BREAKER	РВ PE	PULL BOX C PNEUMATIC
	CLOSED CIRCUIT TELEVISION	PED	
CKT CLG	CIRCUIT CEILING	PF PH	POWER FAC PHASE
COMB	COMBINATION	PIV	POST INDIC
CMPR CONN	COMPRESSOR CONNECTION	PNL PP	
CONST	CONSTRUCTION	PR	PAIR
CONT CONTR	CONTINUATION OR CONTINUOUS CONTRACTOR	PRI PROJ	
CONV	CONVECTOR	PRV	POWER RO
CP		PT PVC	POTENTIAL
CRT CT	CONVECTOR CIRCULATING PUMP CATHODE-RAY TUBE CURRENT TRANSFORMER	PVC	POLYVINYL POWER
CTR	CENTER	QUAN	QUANTITY
CU (D)	COPPER DEMOLITION	RCPT REQE	
DCP	DOMESTIC WATER CIRCULATING PUMP DEPARTMENT	RM	ROOM
DEPT DET	DEPARTMENT DETAIL	RSC RTU	RIGID STEE ROOF TOP I
DIA	DIAMETER	SC	SURFACE C
DISC DIST	DISCONNECT DISTRIBUTION	SEC SHT	
		CIM	
DPR DS	DAMPER SAFETY DISCONNECT SWITCH	S/N	SOLID NEUT SPECIFICAT
DS	DOUBLE THROW	SPKR	SPEAKER
DWG		SP	
(E) EC	EXISTING ITEMS ELECTRICAL CONTRACTOR ELECTRIC, ELECTRICAL ELEVATOR EMERGENCY, LIGHTING, LINIT	SR SS	SURFACE R STAINLESS
ELEC	ELECTRIC, ELECTRICAL	SS SSW	SELECTOR
ELEV ELU	ELEVATOR EMERGENCY LIGHTING UNIT	S/S STA	STOP/STAR STATION
EM	EMERGENCY	SID	STANDARD
	ENERGY MANAGEMENT SYSTEM ELECTRICAL METALLIC TUBING		
EP	ELECTRIC PNEUMATIC	SWB	) SWITCHBOA
EQUIP EWC	EQUIPMENT ELECTRIC WATER COOLER	SYM SYS	SYMMETRIC SYSTEM
EXIST	EXISTING		TELEPHONE
EXH			DATA TELEPH 1 TERMINAL
EXP FA	EXPLOSION PROOF FIRE ALARM	TL	
FABP	FIRE ALARM FIRE ALARM BOOSTER POWER SUPPLY PANEL	TR	
	SUPPLY PANEL FIRE ALARM CONTROL PANEL	T-STA	AT THERMOST
FCU	FAN COIL UNIT	ΤV	TELEVISION
FIXT FLR	FIXTURE	TVTC TYP	
FLUOR	FLUORESCENT	UC	UNDER COL
FU	FUSE FUSED SAFETY DISCONNECT SWITCH	UE	
GA	GAUGE	UH	UNIT HEATE
GAL	GALLON	UT	UNDERGRO
GALV GC	GALVANIZED GENERAL CONTRACTOR	UTIL UV	ULTRAVIOL
	GENERATOR	V	VOLT
GFI GFP		VDT	VIDEO DISP
GND	GROUND	VERT	VERTICAL
GRS GYP BD	GALVANIZED RIGID STEEL (CONDUIT) GYPSUM BOARD	VFD VOL	
HOA	HANDS-OFF-AUTOMATIC SWITCH	W	WATT
Horiz Hp	HORIZONTAL HORSEPOWER	W/ WG	WITH WIRE GUAR
HPF	HIGH POWER FACTOR	WH	WATER HEA
HT HTG	HEIGHT HEATING	W/O WP	WITHOUT WEATHERPI
HTG	HEATER	XFMF XFR	R TRANSFORM
HV	HEATER HIGH VOLTAGE HEATING VIENTILATING AND AID	XFR	TRANSFER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		
IC	INTERRUPTING CAPACITY		ANIO: -
IG IMC	ISOLATED GROUND INTERMEDIATE METAL CONDUIT	∠ @	ANGLE AT
· · •	INCANDESCENT		DELTA
	INFRARED		FEET INCHES
IR	INTERI OCK WITH		
IR I/W J-BOX	INTERLOCK WITH JUNCTION BOX	#	NUMBER
IR I/W J-BOX KV	JUNCTION BOX KILOVOLT	Ø	PHASE
IR I/W J-BOX KV KVA	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE		PHASE CENTER LINE
IR I/W J-BOX KV KVA KVAR KW	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT	Ø C	PHASE
IR I/W J-BOX KV KVA KVAR KW KWH	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR	Ø C	PHASE CENTER LINE
IR I/W J-BOX KV KVA KVA KWA KWH LOC LT	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT	Ø C	PHASE CENTER LINE
IR I/W J-BOX KV KVA KVAR KWA LOC LT LTG	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT LIGHTING	Ø C	PHASE CENTER LINE
IR I/W J-BOX KV KVA KVAR KWH LOC LT LTG LTNG LV	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT LIGHTING LIGHTNING LOW VOLTAGE	Ø C	PHASE CENTER LINE
IR I/W J-BOX KV KVA KVAR KWH LOC LT LTG LTNG LV MAX	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT LIGHTING LIGHTNING LOW VOLTAGE MAXIMUM	Ø C	PHASE CENTER LINE
IR I/W J-BOX KV KVA KVAR KWH LOC LT LTG LTNG LV	JUNCTION BOX KILOVOLT KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATT KILOWATT HOUR LOCATE OR LOCATION LIGHT LIGHTING LIGHTNING LOW VOLTAGE	Ø C	PHASE CENTER LINE

		(MOUNTIN
IRCUIT BREAKER CONTROL CENTER ISTRIBUTION CENTER ISTRIBUTION PANEL ACTURER JSED DISCONNECT SW LE PHONE	SYMBOL Second	DESCRIPTION 2X4 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 2X4 CRITICAL BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 2X4 LIFE SAFETY BRANCH FIXTURE -
M LANEOUS JGS ONLY		RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
L MOTOR STARTER DUTLET ASSEMBLY STARTER PANELBOARD WITCHBOARD		2X2 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 2X2 CRITICAL BRANCH FIXTURE - RECESSED,
CONDUIT L TRANSFER SWITCH		SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 2X2 LIFE SAFETY BRANCH FIXTURE -
, MOTORIZED LLY CLOSED IAL ELECTRICAL CODE IAL ELECTRICAL		RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED
ACTURER'S ASSOCIATION ISED SAFETY DISCONNECT		1X4 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 1X4 CRITICAL BRANCH FIXTURE - RECESSED, SUBFACE, OR PENDANT MOUNTED, TYPE AS
CONTRACT LIGHT LLY OPEN		SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 1X4 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT
L POWER FACTOR 9 SCALE EAD DADS		4' LINEAR INDUSTRIAL STRIP FIXTURE - TYPE
ADDRESS OX OR PUSHBUTTON ATIC ELECTRIC		4' CRITICAL BRANCH LINEAR INDUSTRIAL
TAL FACTOR		STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL
NDICATING VALVE	0	STRIP FIXTURE - TYPE AS SPECIFIED
RY CTION ROOF VENTILATOR	•	RECESSED CAN LIGHT - TYPE AS SPECIFIED
TIAL TRANSFORMER NYL CHLORIDE (CONDUIT)	ф	LIGHTING FIXTURE - PENDANT MOUNTED -
ITY TACLE RED	٠	TYPE AS SPECIFIED
TEEL CONDUIT TOP UNIT CE CONDUIT	Π Π Γ Γ	PENDANT MOUNTED - TYPE AS SPECIFIED WALL SCONCE LIGHTING FIXTURE - SURFACE
		MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING
NEUTRAL ICATION ER CE RACEWAY	R	FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED
ESS STEEL FOR SWITCH TART PUSHBUTTONS N	X	EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED
ARD CE MOUNTED I IBOARD		SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED
TRICAL A IONE LEPHONE/DATA	**	COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED
IAL _OCK R RESISTANT	٢	EXIT LIGHT, CEILING-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION
OSTAT IONE TERMINAL CABINET SION SION TERMINAL CABINET	\$ ₽	EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION
COUNTER GROUND ELECTRICAL GROUND	\$ \$ <sup>LV</sup> \$ <sup>3</sup> \$ <sup>4</sup>	SINGLE-POLE, LOW VOLTAGE, 3-WAY AND 4-WAY SWITCHES (48" AFF)
ATER GROUND TELEPHONE	\$ <sup>D</sup>	LOCAL WALL DIMMER SWITCH (48" AFF)
/IOLET MPERES	\$ <sup>F</sup>	FAN SWITCH (48" AFF)
DISPLAY TERMINAL AL LE FREQUENCY DRIVE E	os <sub>\$</sub>	WALL MOUNTED OCCUPANCY SENSOR SWITCH; DUAL TECHNOLOGY (PASSIVE INFRARED/ULTRASONIC)
UARD	(OS) (VS)	CEILING MOUNTED OCCUPANCY/VACANCY SENSOR; DUAL TECHNOLOGY (PASSIVE INFRARED/ULTRASONIC)
HEATER JT ERPROOF		DAYLIGHT SENSOR
FORMER FER	RC	ROOM CONTROLLER (REFER TO PLANS)
	LR	LIGHTING RELAY (UL924 GENERATOR TRANSFER DEVICE)
	ΗŢ	TIME CLOCK (REFER TO PLANS)

#### ELECTRICAL SYMBOL LEGEND (MOUNTING HEIG

-	FRICAL SYMBOL LEGEND TER LINE OF BOX, UNLESS NOTED OT	HERWIS
<u>SYMBOL</u>	DESCRIPTION	<u>SYM</u>
$-\Theta$	SIMPLEX RECEPTACLE (18" AFF, UON)	⊲
ŧ	DUPLEX RECEPTACLE (18" AFF, UON)	⊲
-	DUPLEX RECEPTACE 6" ABOVE COUNTER BACKSPLASH OR 48" AFF	
-	DOUBLE DUPLEX RECEPTACLE (18" AFF, UON)	$\nabla$
<b>-</b>	DOUBLE DUPLEX RECEPTACE 6" ABOVE COUNTER BACKSPLASH OR 48" AFF	_
÷	TOP SWITCHED OUTLET, AS NOTED ON PLANS	۲Ę
<b>=●</b>	TOP AND BOTTOM SWITCHED OUTLET, AS NOTED ON PLANS	E
-⊖ <b>-</b> ≎ 	USB RECEPTACLE COMBINATION	S
	DUPLEX RECEPACLE - FLOOR MOUNTED	H@
	DOUBLE DUPLEX RECEPACLE - FLOOR MOUNTED	н <mark>с</mark>
Φ	DUPLEX RECEPACLE - CEILING MOUNTED	
<b>\</b>	DOUBLE DUPLEX RECEPACLE - CEILING MOUNTED	DC
€	RANGE RECEPTACLE, 4" AFF TO CENTER. 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 50 AMPS NEMA 14-50.	H H M
€	DRYER RECEPTACLE, 48" AFF TO CENTER. 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 30 AMPS NEMA 14-30.	μ
Ð	RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD.	
	RETRACTABLE CORD REEL WITH DOUBLE DUPLEX NEMA 5-20 RECEPTACLES. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD.	<
$\vdash $	SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED ON PLANS (18" AFF, UON)	<
Ŕ	DISCONNECT SWITCH - MOTOR/STARTER COMBINATION NEMA SIZE TO MATCH HP SHOWN ON PLANS AT THE SPECIFIED VOLTAGE, HEAVY DUTY	
<b>년</b> 30/2/3R	DISCONNECT SWITCH - NON-FUSED - FRAME/FUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N.	
<b>5</b> 30/15/2/3R	DISCONNECT SWITCH - FUSED - FRAME/FUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N.	
R	RELAY	K
⊢●	PUSH BUTTON	•
J	JUNCTION BOX	•
м\$	MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS	
Ρ	POWER POLE (OPEN OFFICE STYLE)	
	MOTOR CONNECTION - HORSE POWER AS NOTED	
	1	

#### TRANSFORMER

<u>) )</u>	DESCRIPTION
	DATA OUTLET (18" AFF U.O.N.)
	ABOVE COUNTER DATA OUTLET (6" ABOVE COUNTER BACKSPASH OR 48" AFF)
	DATA OUTLET - CEILING MOUNTED
	DATA OUTLET - RECESSED FLOOR BOX OR POKE THRU
	CABLE TV OUTLET (18" AFF U.O.N.); PROVIDE 1 F-TYPE CONNECTOR
3	COMMUNICATION CABLE TRAY MOUNTED ABOVE SUSPENDED CEILING - SIZE AS NOTED ON PLANS
	8" CEILING MOUNTED PAGING SPEAKER; PROVIDED WITH BAFFLE, GRILLE AND MATCHING TRANSFORMER
	8" WALL MOUNTED PAGING SPEAKER; PROVIDED WITH BAFFLE, GRILLE AND MATCHING TRANSFORMER
	CARD READER. FLUSHED MOUNTED AT 42" AFF.
	DOOR CONTACT
	ELECTRIC DOOR STRIKE
	KEY PAD
	MOTION DETECTOR
	PUSH PLATE
$\triangleleft$	CCTV CAMERA - WALL MOUNTED
K)	CCTV CAMERA - PAN, TILT, ZOOM
	NURSE STATION (46" AFF U.O.N.)
	CODE BLUE STATION (46" AFF U.O.N.)
	BED NURSE CALL (46" AFF U.O.N.)
	TOILET NURSE CALL (46" AFF U.O.N.)
	SHOWER NURSE CALL (46" AFF U.O.N.)
	DOCTOR DICTATION (46" AFF U.O.N.)
	DOCTOR PAGE (46" AFF U.O.N.)
	DUTY STATION (46" AFF U.O.N.)
	NURSE CALL MASTER
	NURSE CALL DOME LIGHT (CEILING)
	NURSE CALL ZONE LIGHT (CEILING)
	NURSE CALL TERMINAL CABINET

#### CONDUIT AND WIRING BRANCH CIRCUIT RUN CONCEALED BRANCH CIRCUIT RUN UNDER FLOOR HOME RUN TO PANEL 2A SPACES 1, 3, & 5, 2A-1, 3, 5 REFER TO PANEL SCHEDULES

FIRE ALARM SYMBOLS		
F	MANUAL PULL STATION (46" AFF)	
Sþ	BELL/STROBE LIGHT COMBINATION (80" AFF)	
S	STROBE LIGHT (80" AFF)	
ΗQ	HORN (80" AFF)	
H	HORN/STROBE LIGHT COMBINATION (80" AFF)	
M	MINI HORN (80" AFF)	
B	PROGRAM BELL (80 AFF)	
CO	CHIME/FLASH COMBINATION (80" AFF)	
S	SPEAKER (80" AFF)	
► N	SPEAKER/STROBE COMBINATION (80" AFF)	
HSA $SA$	STANDALONE SMOKE ALARM - WALL MOUNTED; CEILING MOUNTED	
HS CA	STANDALONE COMBO SMOKE/CARBON MONOXIDE ALARM - WALL MOUNTED; CEILING MOUNTED	
	SMOKE DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED	
	HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED	
HE SH	COMBINATION SMOKE/HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED	
	COMBO SMOKE/CARBON MONOXIDE DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED	
(DD)	DUCT DETECTOR	
TS	TAMPER SWITCH	
FS	FLOW SWITCH	
DH	MAGNETIC DOOR HOLDER (72" AFF)	
	FIRE ALARM CONTROL PANEL SURFACE OR RECESSED	
	LINE TYPES	

#### LINE I YPES

NEW WORK SCOPE OF WORK
NEW WORK SCOPE OF WORK

- EXISTING SCOPE OF WORK
- DEMOLITION SCOPE OF WORK

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#### GENERAL PROJECT NOTES

- THIS IS A COMPLETE LIST OF ELECTRICAL SYMBOLS AND ABBREVIATIONS FOR REFERENCE ONLY. SYMBOLS SHOWN ON THIS DRAWING MAY NOT APPEAR ON THE FOLLOWING DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS ON EXISTING UTILITIES WITH OWNER REPRESENTATIVES IN ORDER TO MINIMIZE IMPACT TO OTHER AREAS.
- 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: A. FLORIDA BUILDING CODE, BUILDING, 8TH EDITION (2023)
- B. FLORIDA BUILDING CODE, ENERGY CONSERVATION, 8TH EDITION (2023) C. FLORIDA FIRE PREVENTION CODE, 7TH EDITION (2020)
- D. NFPA 101-2021, THE LIFE SAFETY CODE
- E. NFPA 70-2020, NATIONAL ELECTRICAL CODE F. NFPA 72-2019, NATIONAL FIRE ALARM CODE
- THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE. BEFORE STARTING THE WORK THE CONTRACTOR SHALL REVIEW ALL OTHER DISCIPLINE DRAWINGS AND 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.
- ALL WIRING SHALL BE IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. ALL NEW CIRCUITS SHALL BE PROVIDED WITH AN INDIVIDUAL NEUTRAL AND GROUNDING CONDUCTOR WITH THE PHASE CONDUCTOR.
- ALL CONDUITS INSTALLED INTERIOR SHALL BE EMT. ALL CONDUITS INSTALLED EXTERIOR UNDERGROUND SHALL BE PVC SCHEDULED 40. ALL CONDUITS INSTALLED EXTERIOR AND EXPOSED SHALL BE RGS.
- CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER. CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER. UNLESS NOTED OTHERWISE, CONDUCTORS INSULATION SHALL BE DUAL RATED AT THHN/THWN.
- 9. ALL DEVICES, EQUIPMENT MATERIAL AND LABOR SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- 10. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND DEVICE MANUFACTURER RECOMMENDATIONS.
- 1. CONTRACTOR SHALL PROVIDE SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL OF ALL ELECTRICAL EQUIPMENT AND DEVICES DESCRIBED IN THE SUBMITTAL REGISTER. SUBMITTALS SHALL INCLUDE CUT SHEETS, DIMENSIONS, WIRING DIAGRAMS, ACCESSORIES, OPERATION MANUALS, AND ALL NECESSARY INFORMATION FOR REVIEWER TO MAKE A SOUND EVALUATION.
- 12. PROVIDE STARTUP OF ALL ELECTRICAL SYSTEMS AND COORDINATE WITH ARCHITECT/ENGINEER FOR OWNER STARTUP WITNESSING.
- 13. PROVIDED LAMINATED PLASTIC NAMEPLATES FOR EACH EQUIPMENT ENCLOSURE. EACH NAMEPLATE IDENTIFY EQUIPMENT FUNCTION, PANELBOARD CONNECTED AND CIRCUIT NUMBER. NAMEPLATE SHALL BE MELAMINE PLASTIC (0.125 INCHES THICK), WHITE LETTERS ON BLACK BACKGROUND. MINIMUM SIZE OF LETTERS SHALL BE 2.5 INCHES. IN ADDITION TO EQUIPMENT TAGGING, CONTRACTOR SHALL PROVIDE ARC-FLASH WARNING AND AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION LABELS FOR PANELBOARDS, OTHER THAN DWELLING UNIT LOAD CENTERS, IN ACCORDANCE WITH NEC 110.
- 14. PROVIDE COMPUTER PRINTED ON WHITE WRAPAROUND PAPER WITH CLEAR PLASTIC PROTECTION TAIL FOR ALL WIRE MARKERS. MARKER SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER ON ALL WIRES IN JUNCTION/PULL BOXES AND IN EQUIPMENT TERMINAL BOXES.
- 15. PROVIDE PUNCHED TAPE LABELS ON ALL WIRING DEVICES FOR IDENTIFICATION. SHALL BE 1/2" BLACK TAPE WITH WHITE RAISED LETTERS. TAPE LABELS SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER.
- 16. PROVIDE DIRECTORIES ON ALL PANELBOARDS. ALL LOADS SHALL BE BALANCED TO WITHIN 10%.
- 17. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF RECORD DRAWINGS TO THE OWNER AT THE END OF THE CONSTRUCTION.
- 18. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) STANDARDS AND SHALL BE UL LABELED. ALL ELECTRICAL EQUIPMENT AND MATÉRIALS SHALL BE INSTALLED IN A WORKMANLIKE MANNER.
- 19. ALL CONNECTORS AND SPLICES FOR CABLE SIZE #10 AWG AND SMALLER SHALL BE INSULATED, PRESSURE-TYPE. FOR LARGER SIZE CONDUCTORS USE BOLTED CLAMPS WITH INSULATING TAPE.
- 20. PROVIDE INSULATION AND CONTINUITY TEST OF ALL 1000V AND LESS WIRES AND CABLES. USE TESTING PROCEDURES DESCRIBED IN INTERNATIONAL ELECTRICAL TESTING AGENCY (NETA) STANDARDS. REPLACE ANY CABLES WITH INSULATION RESISTANCE LESS THAN 100 MEGA OHMS (MOHMS). TEST ALL GROUND FAULT CIRCUIT INTERRUPTING (GFCI) RECEPTACLES. TEST ALL GROUNDING ELECTRODE SYSTEMS WITH FALL OF POTENTIAL METHOD. MAKE RESISTANCE MEASUREMENTS 48 HOURS AFTER LAST RAIN FALL. MAXIMUM RESISTANCE TO GROUND SHALL BE 5 OHMS.
- 21. PRIOR TO PASSING FINAL INSPECTION, A THIRD PARTY CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE -ENERGY CONSERVATION 8TH EDITION (2023) - SECTIONS C408.3.1.1 AND C408.3.1.2 FOR THE APPLICABLE CONTROL TYPE.
- 22. CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS, DRAWINGS AND MANUALS TO OWNER WITHIN 30 DAYS AFTER SYSTEM ACCEPTANCE PER FLORIDA BUILDING CODE - ENERGY CONSERVATION 8TH EDITION (2023) - SECTIONS C405.5.4.
- 23. PANELBOARDS SHALL BE SUPPLIED WITH BOLT-ON CIRCUIT BREAKERS. ALL BUSBARS, PHASE, NEUTRAL, GROUND IN PANELBOARDS SHALL BE TIN-PLATED ALUMINUM.

#### ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E-001	ELECTRICAL LEGENDS & ABBREVIATIONS
ED-101	PARTIAL FLOOR PLAN - ELECTRICAL DEMOLTION - PHASE 1
E-101	PARTIAL FLOOR PLAN - LIGHTING - PHASE 1
E-102	PARTIAL FLOOR PLAN - POWER - PHASE 1
E-501	ELECTRICAL DETAILS



ABBREVIATIONS Š က LEGEND AL ELECTRIC

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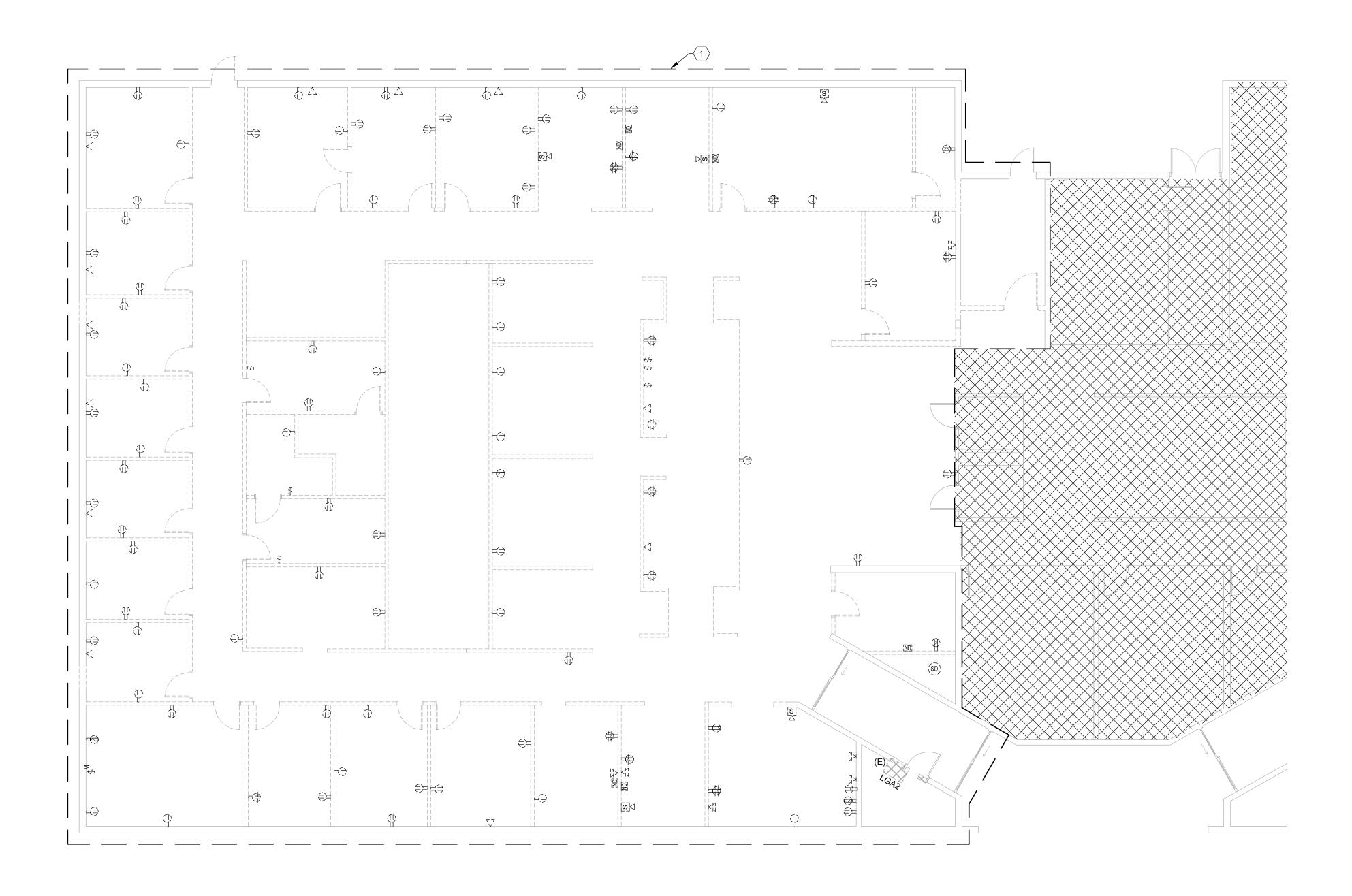
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1 PARTIAL FLOOR PLAN - ELECTRICAL DEMOLTION - PHASE 1

#### 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 RESPONSBILITY 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. REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITING TO NEAREST POINT OF CONNECTION IN DEMOLITION F 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. CONTRACTOR SHALL TEST ALL CIRCUITS, GROUNDS, ETC. FOR CONTINUITY FOR ALL EQUIPMENT, DEVICES FIXTURES, ETC. н 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.



PARTIAL FLOOR PLAN - ELECTRICAL DEMOLTION - PHASE

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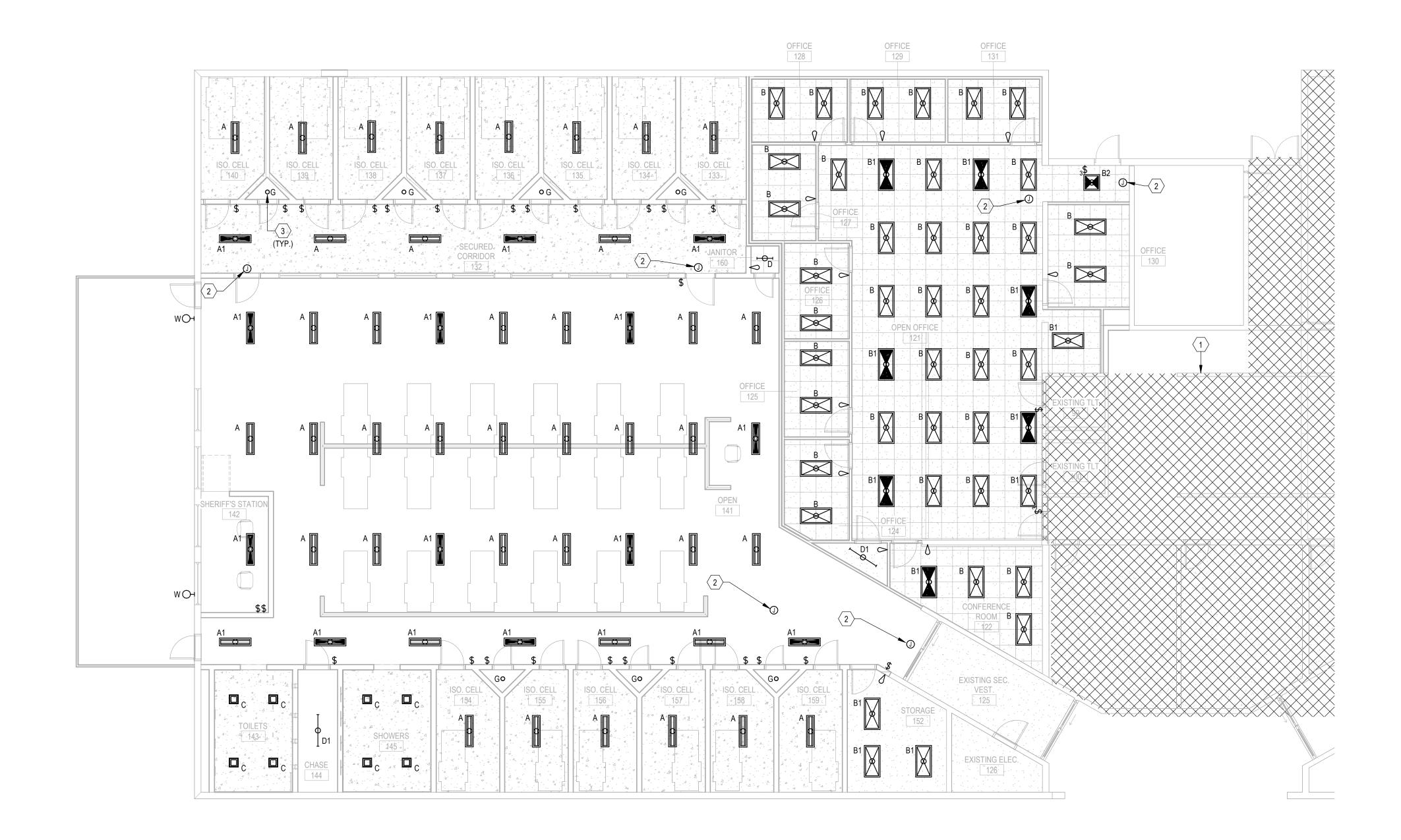
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#### PARTIAL FLOOR PLAN - LIGHTING - PHASE 1 1/8" = 1'-0"

#### LIGHTING CONTROL NOTES

- 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.
- CONTRACTOR SHALL COORDINATE ANY WALL MOUNTED LIGHT FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- ALL OCCUPANCY SENSOR CONTROLLED LOADS SHALL TURN OFF WITHIN 20 MINUTES OF THE OCCUPANT LEAVING THE ROOM.
- WHERE MULTIPLE SWITCHES ARE SHOWN AT THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER WITH A COMMON GANG PLATE.
- ALL EXIT LIGHTS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO UNSWITCHED LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT.
- ALL LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE QUANTITY OF SENSORS REQUIRED WITH PROPER COVERAGE PATTERN TO ACHIEVE REQUIRED LIGHTING CONTROL WITHIN THE SPACE.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE CONTROLS MANUFACTURER'S REPRESENTATIVE SHOWING LAYOUT, QUANTITY, COVERAGE PATTERNS, AND WIRING DIAGRAM OF COMPLETE SYSTEM.
- FOR CLARITY, ONLY VACANCY (VS) OR OCCUPANCY (OC) ARE SHOWN IN SPACES REQUIRING THAT MODE OF CONTROL.
- PROVIDE LOW VOLTAGE OVERRIDE DIMMING SWITCHES IN ALL SPACES REQUIRING VACANCY/OCCUPANCY SENSORS WITH CONTROL FUNCTION AS OUTLINED.
- PROVIDE ROOM CONTROLLERS AS REQUIRED TO INTERFACE ALL LIGHTS, SWITCHES, SENSORS, ETC. IN ALL SPACES SHOWN TO RECEIVE AUTOMATIC LIGHTING CONTROLS.
- EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ON/TIME CLOCK OFF. PROVIDE TIME CLOCK FOR CONTROLS. COORDINATE TIME OF DAY SCHEDULING WITH STATION REPRESENTATIVE.
- LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE NON-NETWORKED SYSTEM AS MANUFACTURED BY ACUITY. ALTERNATE APPROVED MANUFACTURERS ARE GREENGATE, WATTSTOPPER, AND HUBBELL.
- 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.
- MOUNT FIXTURE ON CEILING, COORDINATE MOUNTING WITH PLUMBING PIPING.



## PHASE **IGHTING PARTIAL FLOOR PLAN**

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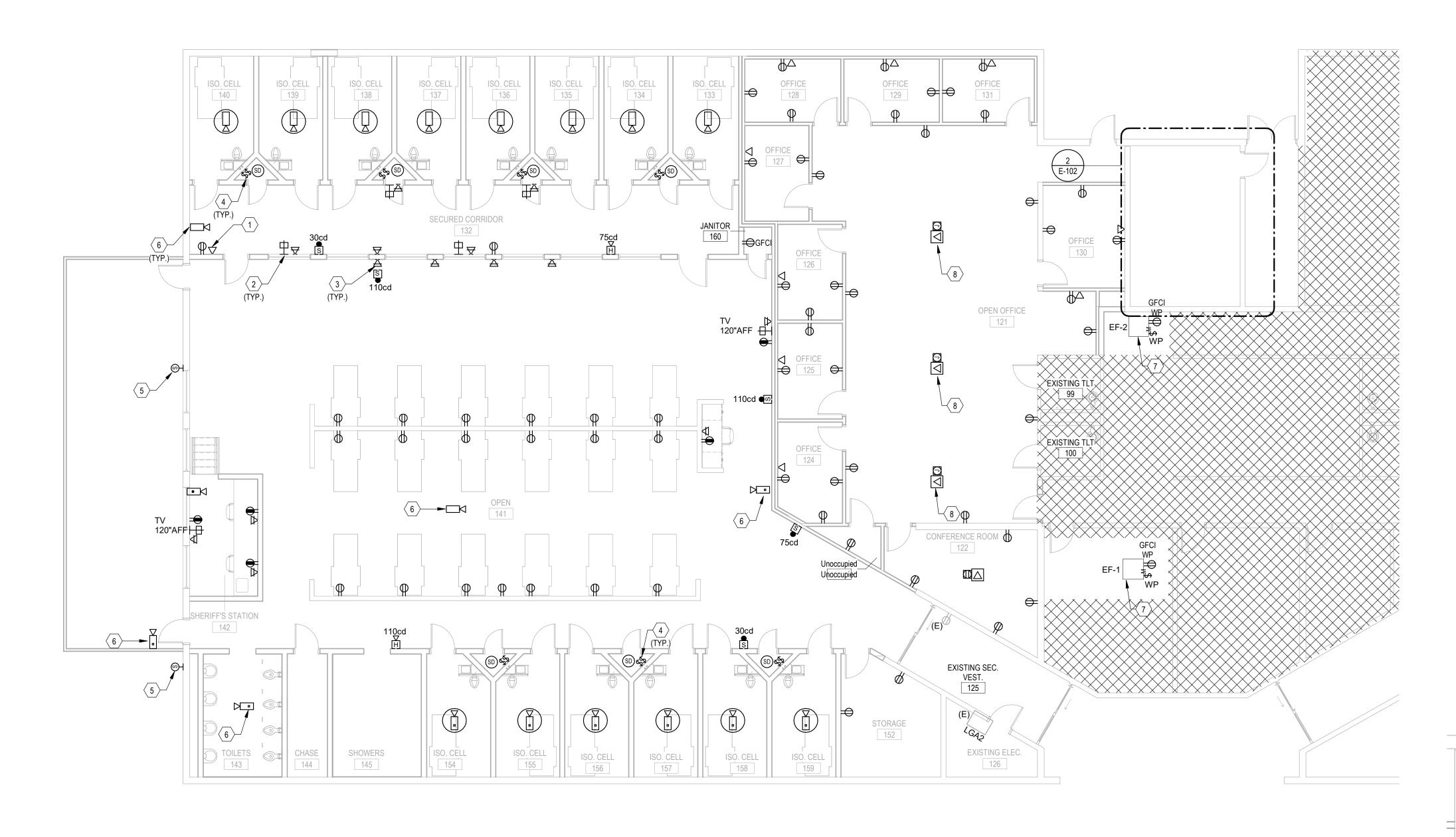
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PARTIAL FLOOR PLAN - POWER - PHASE 1 1/8" = 1'-0"

#### **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.

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**PARTIAL FLOOR PLAN** 

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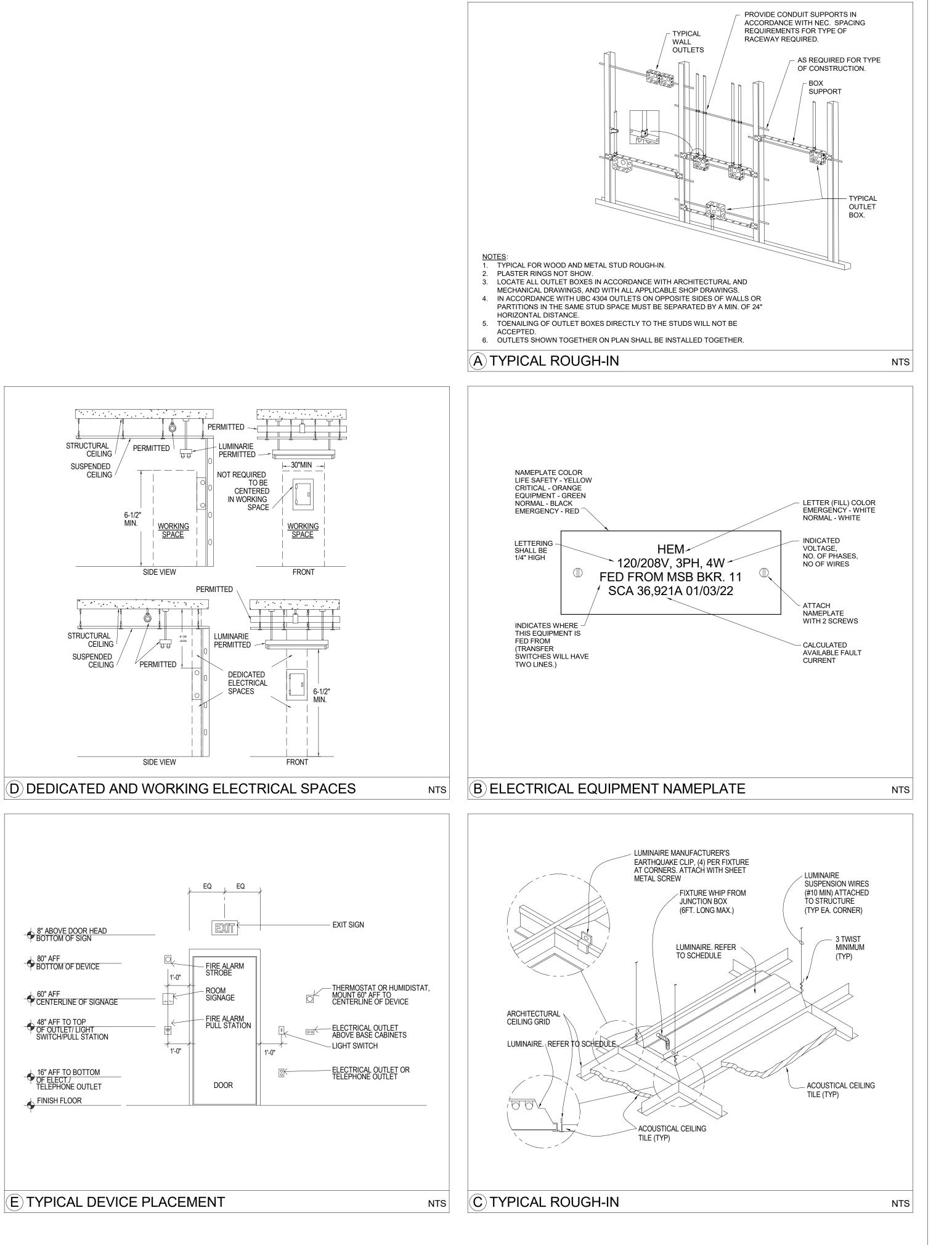
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TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	TEMP	VOLTS	MOUNTING	REMARKS	BALLAST/ TRANSFORMER	INPUT WATTS
A	LUMINAIRE LED	VPF8 4FT MIN10 50W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SURFACE		0-10V/10%	50
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
в	LITHONIA	2BLT4 40L ADSM GZ10 LP840	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	30
B1	LITHONIA	2BLT4 30L ADSM GZ10 LP840 DGA	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE, DRYWALL ADPATERS	80CRI/4000K	UNV	RECESSED		0-10V/10%	22
B2	LITHONIA	2BLT2 20L ADSM GZ10 LP840	2X2 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED		0-10V/10%	16
с	LUMINAIRE LED	RMQ Q11 H16CRSP D14CRSP MIN10 25W 40K MVOLT ALS 5ES WHT WL	13.5" X 13.5" RECESSED CONFINEMENT FIXTURE, LIGATURE RESISTANT, PRISMATIC ACRULIC 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 YKC62 DBLXD	FLOOD LIGHT, ADJUSTABLE HEAD, 24,000 LUMENS, WET LOCATION	70CRI/5000K	UNV	WALL		NO DIM	165
	G SCHEDULE NOTES:	0+ CRI AND 4000K UNLESS NOTED OT			1			1	1



(E) TYPICAL DEVICE PLACEMENT

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**ELECTRICAL DETAILS** 

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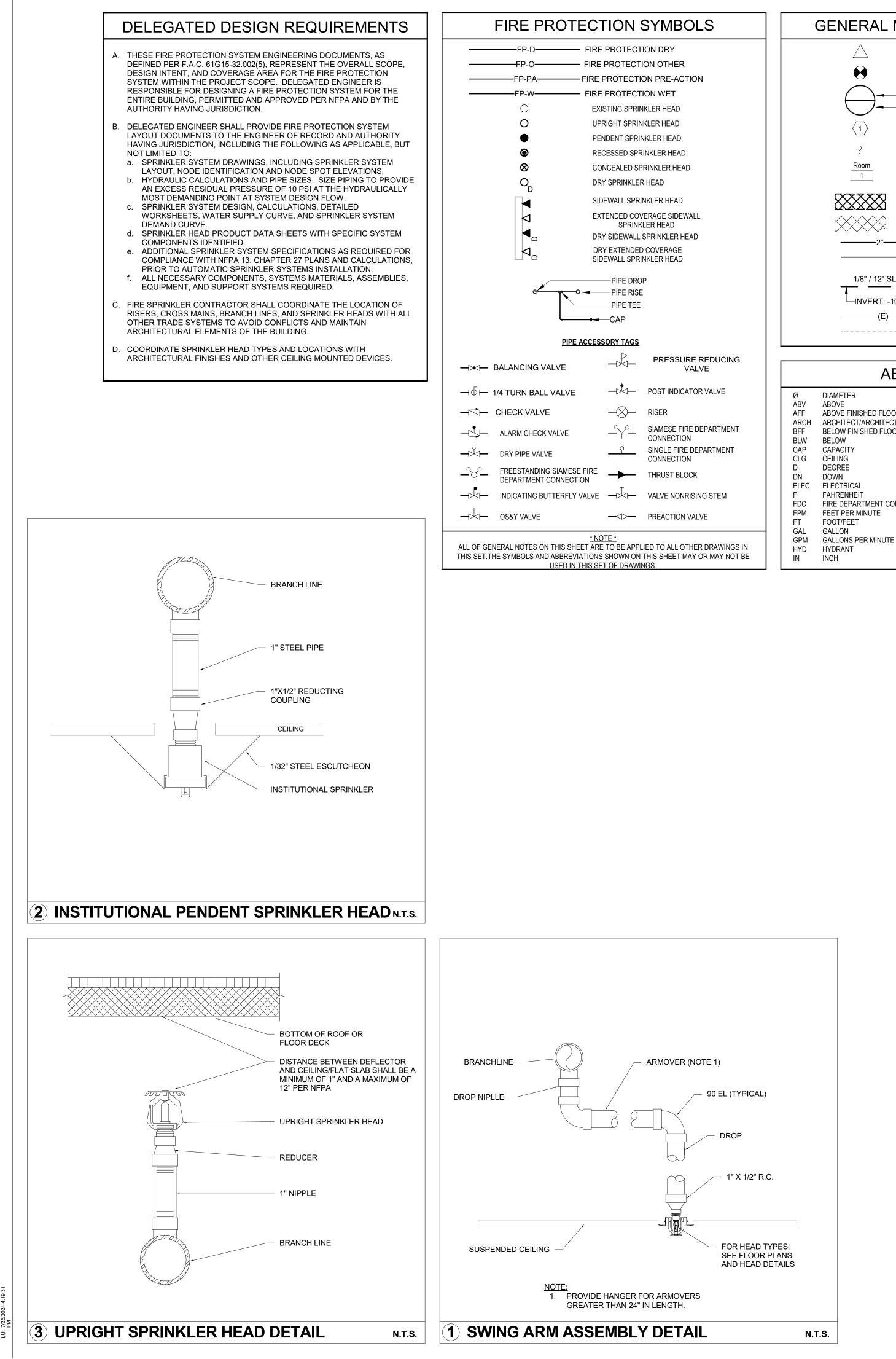
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	GENERAL MECH	ANICAL SYMBOLS					
,		IUMBER - SHOWN ON PLANS					
ER	POINT WHE	RE NEW CONNECTS TO EXISTING					
-ACTION	$\sim$						
	NUMBER OF DETAIL ON SHEET						
AD		F SHEET WHERE DETAIL AFFEARS					
AD	(1) KEYNOTE						
EAD	CONTINUAT	FION SYMBOL					
HEAD	Room						
	1 ROOM NAM	IE AND NUMBER					
AD	ТЕМ ТО ВЕ	DEMOLISHED					
IDEWALL							
) ER HEAD	AREA NOT I	IN CONTRACT					
GE	2"	PIPE SIZE TAG (DIAMETER)					
AD		ABOVE GROUND PIPING					
	1/8" / 12" SLOPE	PIPE SLOPE TAG					
	· · · · · · · · · · · · · · · · · · ·	BELOW GROUND PIPING					
	└─INVERT: -105' - 1"	PIPE INVERT ELEVATION TAG					
	(E)	EXISTING PIPE TAG					
		PIPING BEING DEMOLISHED					
VALVE	ABBRE\	/IATIONS					
IDICATOR VALVE	DIAMETER	INV INVERT					
AB	-	LB POUND MAX MAXIMUM					
AR(	CH ARCHITECT/ARCHITECTURAL	MECH MECHANICAL					
EFIRE DEPARTMENT BFF CTION BLV		MIN MINIMUM MISC MISCELLANEOUS					
FIRE DEPARTMENT CAP	P CAPACITY	NIC NOT IN CONTRACT NO NUMBER					
	DEGREE	NTS NOT TO SCALE					
	-	PD PRESSURE DROP PIV POST INDICATOR VALVE					
	EC ELECTRICAL	FIV FUST INDICATOR VALVE					
BLOCK DN ELE ONRISING STEM F	FAHRENHEIT	PSI POUNDS PER SQUARE INCH					
BLOCK DN ELE	FAHRENHEIT C FIRE DEPARTMENT CONNECTION M FEET PER MINUTE FOOT/FEET						

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#### 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 JO 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. 0. 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 ERROR OR OMISSIONS IN HIS OR HER SUBMITTAL DATA. 1. 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. PROVIDI AN INDEX AND ASSOCIATED DIVIDERS.
- 2. 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.
- 3. 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.

	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 <sup>2</sup>	FT <sup>2</sup>	FT <sup>2</sup>	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
<u>NOTES:</u> 1. WAT	-	JIREMENTS ARE FOR	R HYDRAULIC	CALCULATION	METHOD. I	F OTHER MET	HOD IS USE	D ADJUST VAL	UES ACCORDIN	G TO NFPA 13 REQU	JIREMENTS.	

,	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.
В.	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.	TIS 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.
0.	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 PREVENT SHALL BE ACCOMPLISHED AT BACKFLOW PREVENTER. REFER TO DETAILS FOR MORE INFORMATION.

Sheet

Number

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## THE GROUP

**PROTECTION** FIRE LEGENDS  $\infty$ NOTES

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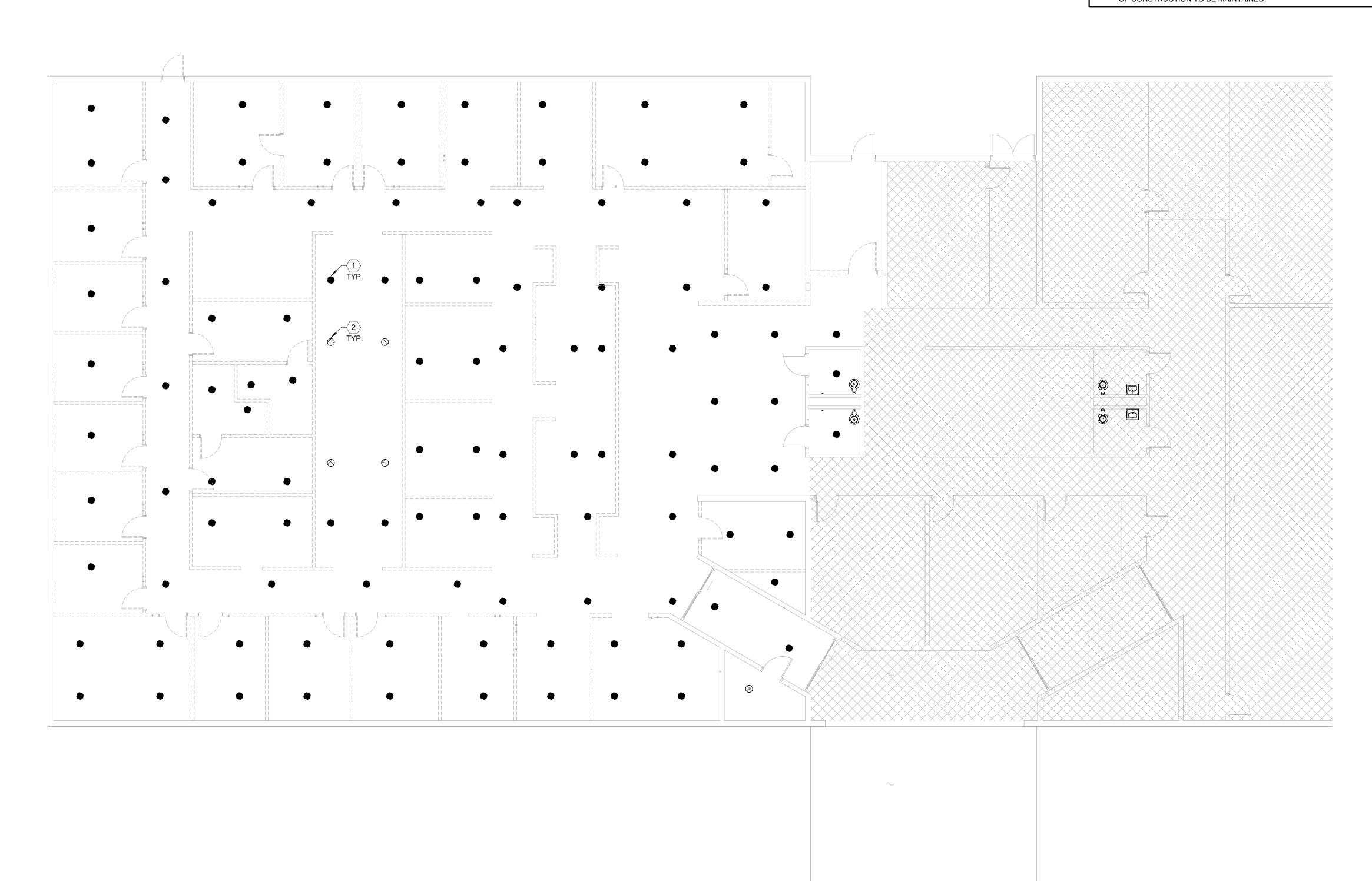
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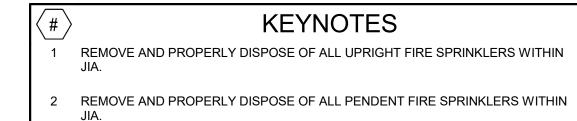
#### FIRE PROTECTION SHEET LIST

Sheet Name

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



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



#### FIRE PROTECTION GENERAL NOTES

A. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.

- FIRE SUPRESSION 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 INTERUPTIONS EXCEED 10 HOURS WITHIN A 24 HOUR PERIOD.
- D. ALL EXISTING FIRE PIPING SERVING SPRINKLERS IN AREAS BEYOND LIMITS OF CONSTRUCTION TO BE MAINTAINED.





LITION PLAN FIRE PROTECTION DEMO

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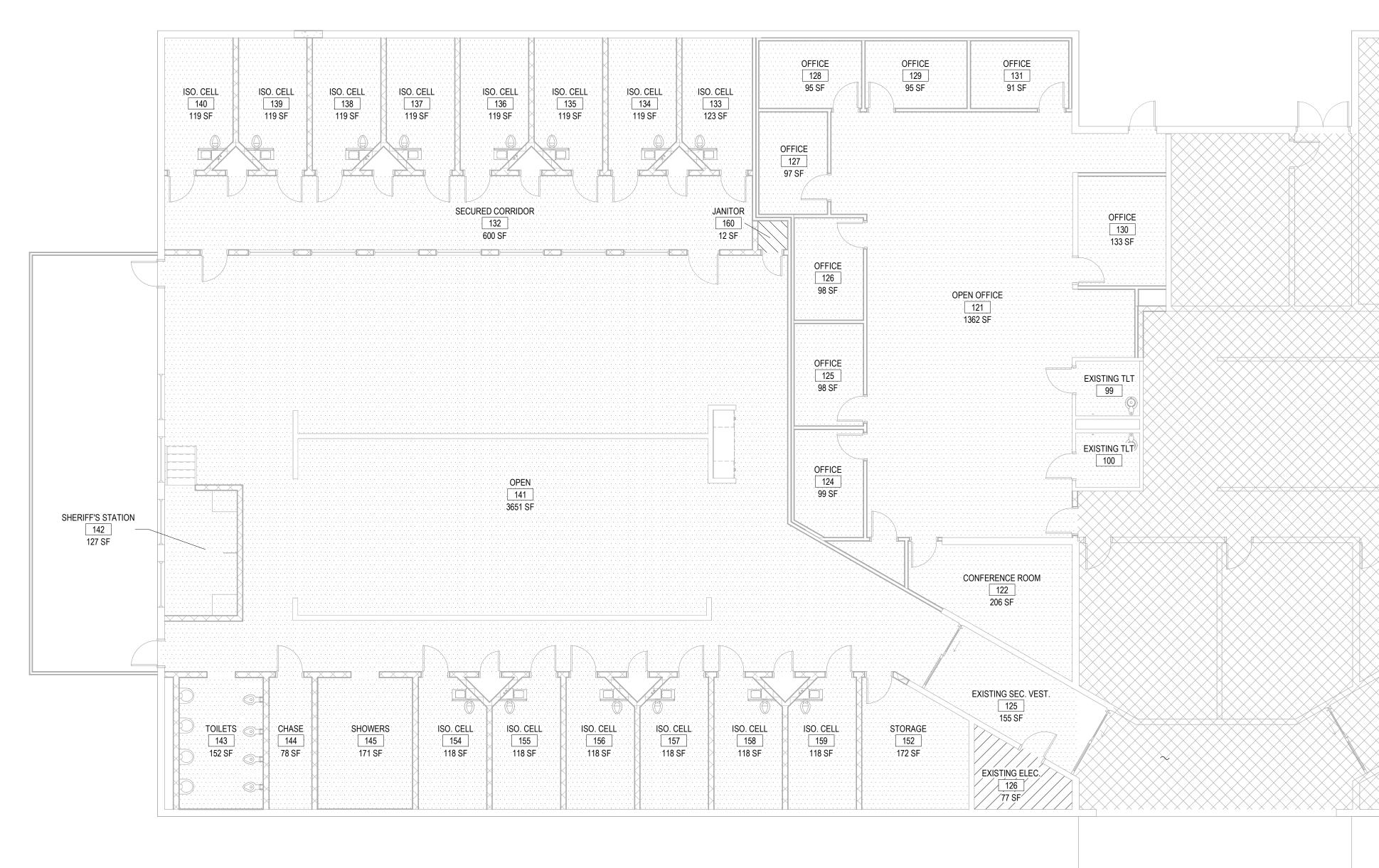
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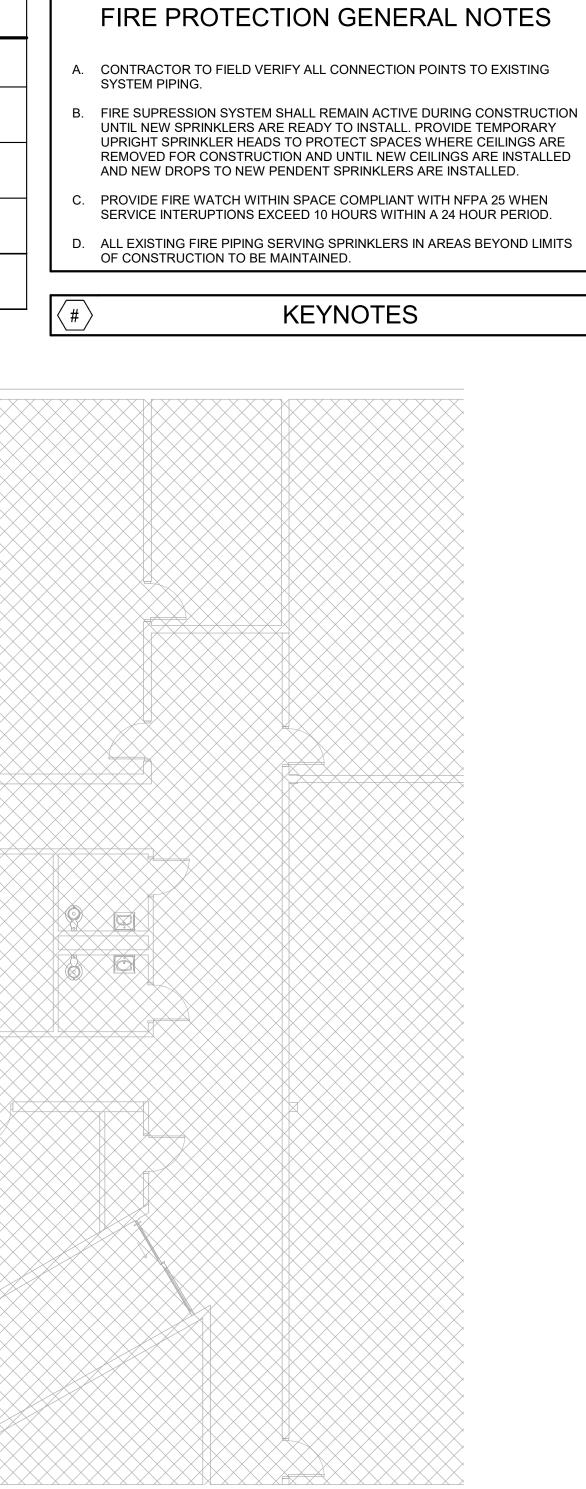
FD-101



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

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

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FIRE PROTECTION RENOVATION PLAN