

VICINTY MAP

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SHEET NUMBER	SHEET NAME	DD - JIA 06.20.2024
GENERAL	OHEET WAIVE	00.20.2024
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G-001	CODE DATA	X
AD-101	DEMOLITION PLAN	X
LS-101	LIFE SAFETY PLAN	X
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A-101	DIMENSION FLOOR PLAN	X
A-102	ANNOTATED FLOOR PLAN	X
A-111	REFLECTED CEILING PLAN	X
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MECHANICAL		
M-001	MECHANICAL NOTES, LEGENDS, & ABBREVIATIONS	X
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M-501	MECHANICAL DETAILS	Х
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PD-101	PLUMBING DEMOLITION PLAN - SANITARY AND VENT	Х
PD-201	PLUMBING DEMOLITION PLAN - DOMESTIC WATER	Х
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E-101	PARTIAL FLOOR PLAN - LIGHTING - PHASE 1	X
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FIRE PROTECT	ION	
F-001	NOTES & LEGENDS - FIRE PROTECTION	X
F-101	FIRE PROTECTION RENOVATION PLAN	X
FD-101	FIRE PROTECTION DEMOLITION PLAN	X

HCSO MENTAL HEALTH CLINIC

24001.01

#	ISSUED FOR	DATE
	DD - JIA	06.20.24



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MEPFP:

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

PROJECT DESCRIPTION

BUILDING DATA:

INSTITUTIONAL GROUP I-3:

TOTAL SQUARE FOOTAGE: - -

SQUARE FOOTAGES: OFFICE/BUSINESS:

2,535 SF 7,046 SF 9,581 SF

FLOOD DESIGN DATA:

CLADDING DESIGN DATA:

CODE REFERENCE

APPLICABLE CODES:

FLORIDA BUILDING CODE: SIXTH EDITION FLORIDA ACCESSIBILITY CODE: SIXTH EDITION FLORIDA MECHANICAL CODE: SIXTH EDITION FLORIDA FIRE PREVENTION CODE: SIXTH EDITION	2017 2017 2017 2017
NFPA 70: NATIONAL ELECTRICAL (EXCEPT ARTICLE 80):	2014

OCCUPANCY (FBC CHAPTER 3): ASSEMBLY - GROUP A-3

NON-SEPARATED OCCUPANCIES (FBC SECTION 508.3) INCLUDES ASSEMBLY AND BUSINESS.

BUILDING DESIGN IS BASED ON THE MOST RESTRICTIVE OCCUPANCY, ASSEMBLY GROUP A-3.

CENEDAL DI III DINIC I IMITATIONIS (EDC TADI E 504).

GENERAL BUILDING LIMITATIONS (FBC TABLE 504):					
TYPE	TYPE (UNPROTECTED, SPRINKLERED)				
	ALLOWABLE:	PROVIDED:			
MAX HEIGHT	75'-0"				
HEIGHT INCREASE (SECTION 504.2)	N/A	N/A			
MAX STORIES	4				
STORY INCREASE (SECTION 504.2)					
MAX AREA FBC TABLE 506.2	38,000 SQ. FT.	9,581 SQ. FT.			
AREA INCREASE (SECTION 506.3, SPRINKLED, 200% INCREASE					

TYPE OF CONSTRUCTION (FBC CHAPTER 6): --

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

()	
BUILDING ELEMENT	
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):

FIRE RATINGS (FBC C						
TYPE (UNPROTECTED, SPRINKLERED)						
DESCRIPTION REQUIRED PROVIDED:						
SHAFT ENCLOSURES (SECTION 713.4)	2 HR. FIRE BARRIER	N/A				
DOOR RATINGS AT 1 HR RATED SHAFT ENCLOSURES AND EXIT PASSAGE WAYS (TABLE 716.5)	1 HR. FIRE RATING	N/A				
SEPERATION OF OCCUPANCY (TABLE 508.4) GROUP A AND B	1 HR. FIRE RATING	N/A				

INTERIOR FINISHES (TABLE 803.11):

	TERRORT INTOTIES (TRIBLE 600:11).					
OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES			
GROUP	CLASS	CLASS	CLASS			

<u>AUTOMATIC SPRINKLER SYSTEMS: (FBC 903.2.1.2 GROUP --)</u> AUTOMATIC SPRINKLER REQUIRED

FIRE ALARM REQUIREMENTS:

(FBC 907, NFPA 72) FIRE ALARM IS REQUIRED FOR GROUP --, SPRINKLED BUILDING AND IS PROVIDED.

MEANS OF EGRESS (FBC CHAPTER 10)

POPULATION/ OCCUPANCY LOAD (FROM TABLE 1004.1.2)

FUNCTION OF SPACE	AREA	AREA /PERSON	OCCUPANTS
INSTITUTIONAL AREAS	7,046 SF	240 NET	30
BUSINESS AREAS	2,535 SF	150 GROSS	17
FIRST FLOOR	TOTAL OCCUPANT	LOAD	47 PERSONS

MEANS OF EGRESS

(FBC CHAPTER 10)	SPRINKLED, B-OCCUPANCY	
OCCUPANCY:	REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE (TABLE 1017.2.2)	300 FT	0' - 0"
MAXIMUM DEAD-END CORRIDOR (FBC 1020.4)	50 FT	FT
TOTAL # OF BLDG EXITS (SECTION 1006.3.1)	2 PER STORY	5 PER STORY
TOTAL # OF SPACE EXITS (SECTION 1006.2.1)	2 IF GREATER THAN 49 OCCUPANTS	5
COMMON PATH OF EGRESS TRAVEL (SECTION 1006.3.2 (2), EXCEPTION 1)	100'	0' - 0"
EGRESS STAIR WIDTH PER LEVEL (SECTION 1005.3.1)	0.3 x (0.3)=	N/A
OTHER EGRESS WIDTH PER LEVEL (SECTION 1005.3.2)	0.2 x (0.2)=	N/A
MINIMUM CORRIDOR AISLE WIDTH (TABLE 1020.2)	44"	51"
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	10

(110M 170EE 1020.1)		
OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	FIRE RESISTANCE RATING (SPRINKLED)
GROUP A	47 PERSONS	0 HR

MINIMUM PLUMBING FACILITES (FPC CHAPTER 4) --, -- PERSONS - PER FLOOR (TABLE 403.1)

CATEGORY	WATER CL	OSETS	LAVATORIES DRINKIN		DRINKING FOUNTAINS		OTHER - SERVICE SINK
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	SERVICE SIINK

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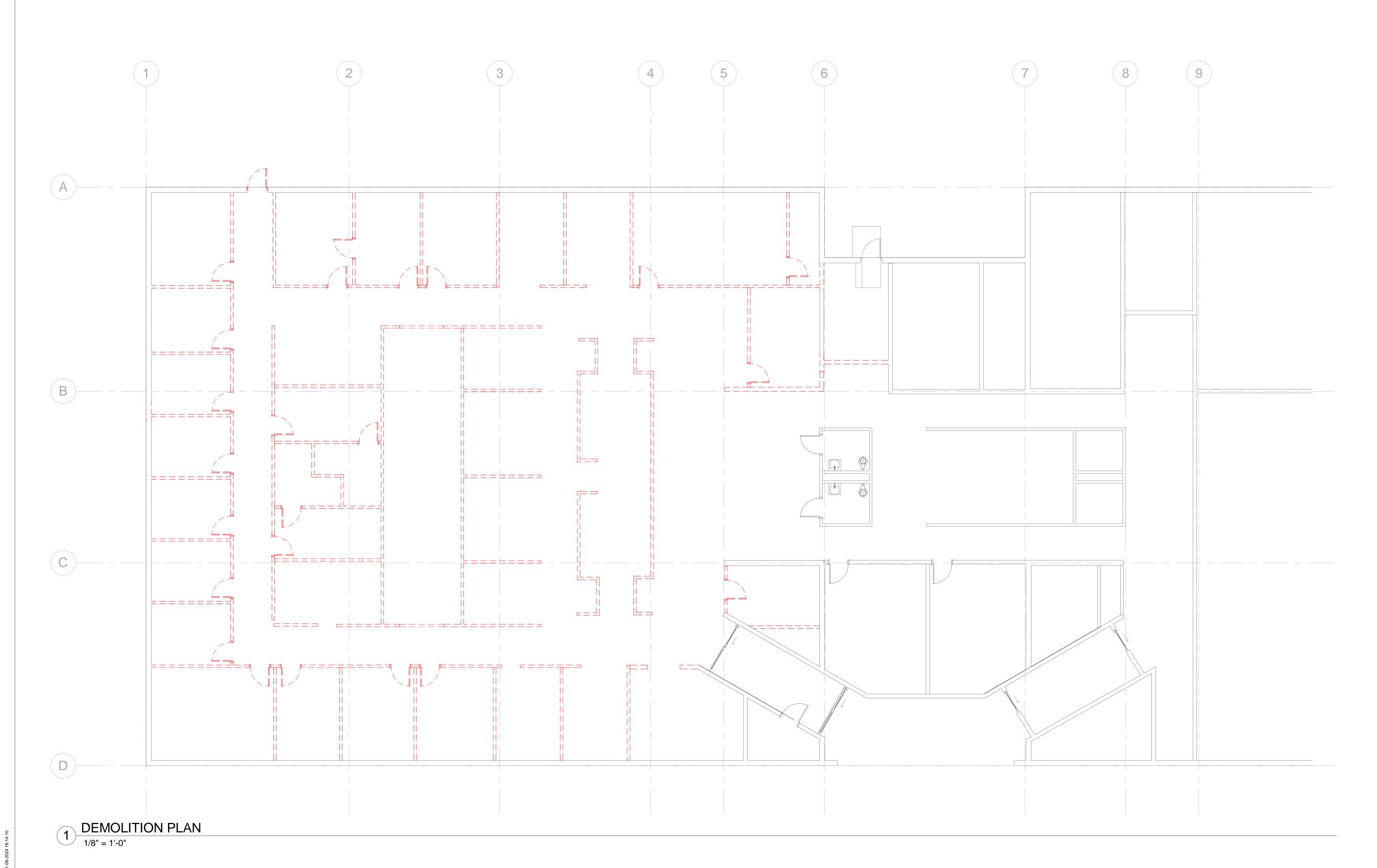
- CONTRACTOR SHALL NOTIFY ARCHITECT IN THE EVENT OF ANY DISCREPANCIES WITH STRUCTURAL, ARCHITECTURAL & MEP DEMOLITION DRAWINGS.
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.

DEMOLITION FLOOR PLAN LEGEND

EXISTING WALL TO REMAIN

WALL TO BE DEMOLISHED

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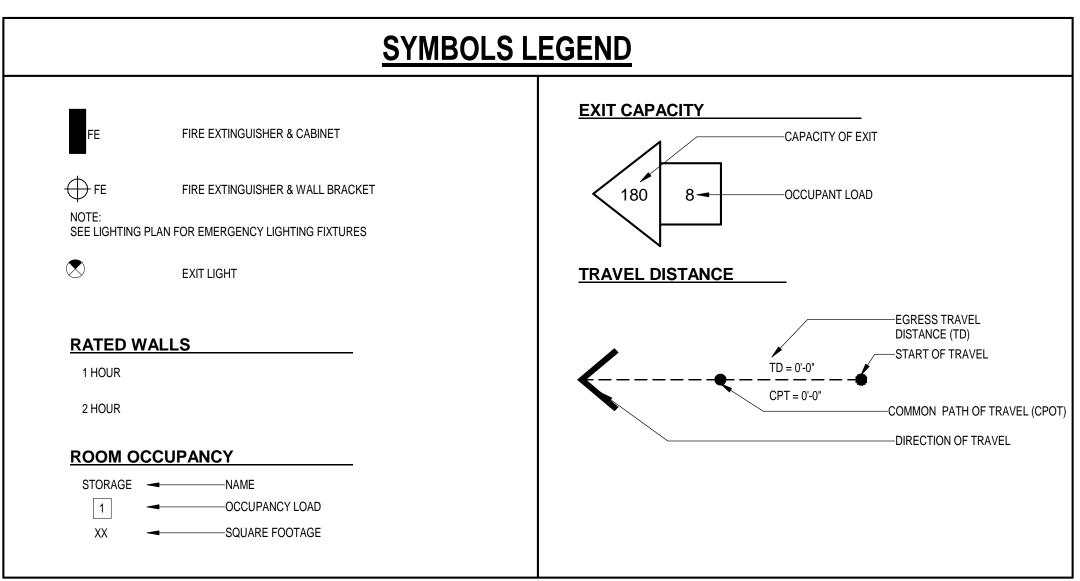


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DEMOLITION PLAN

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2310 N. FALKENBURG ROAD
TAMPA, FLORIDA 33619

LIFE SAFETY PLAN

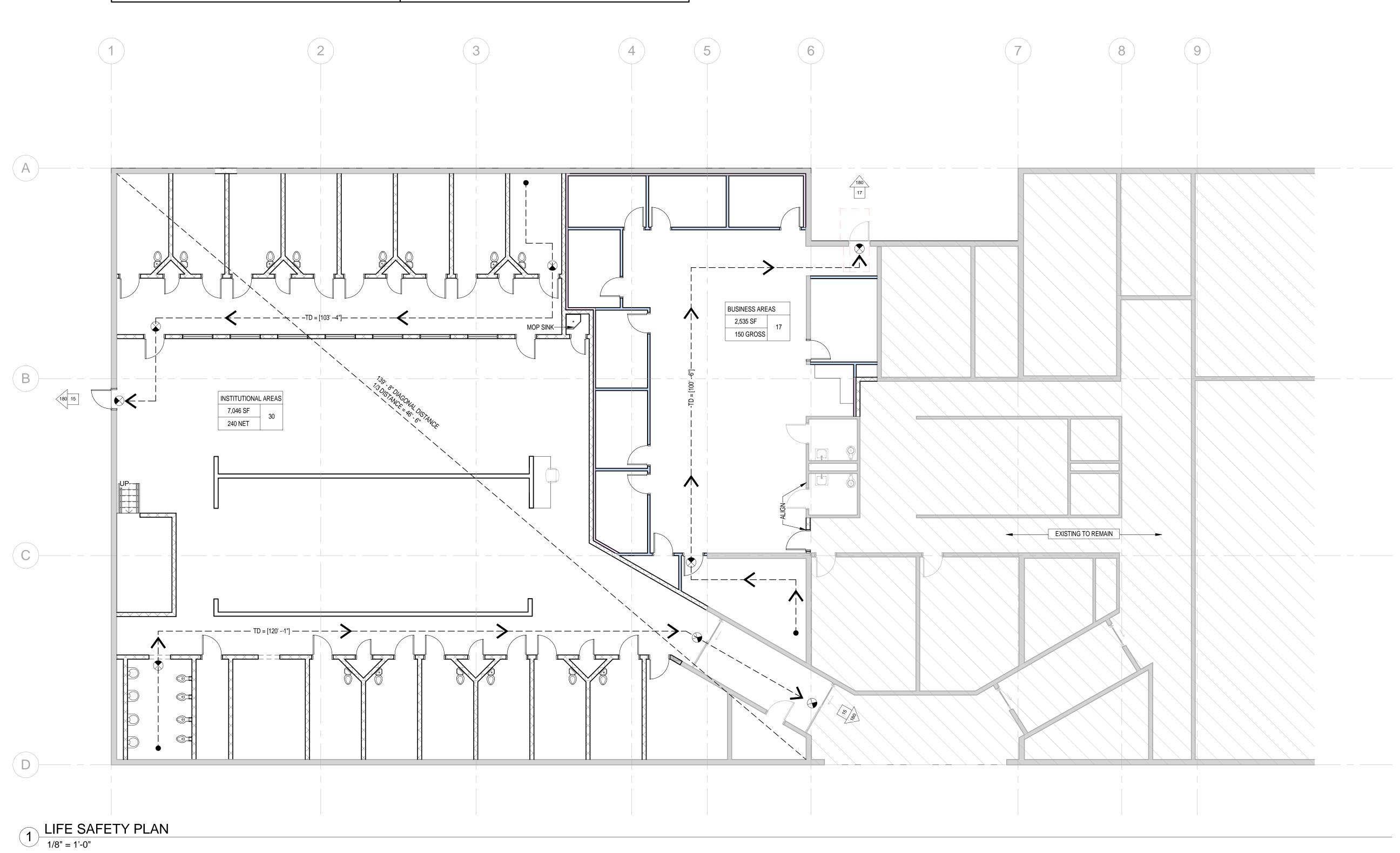
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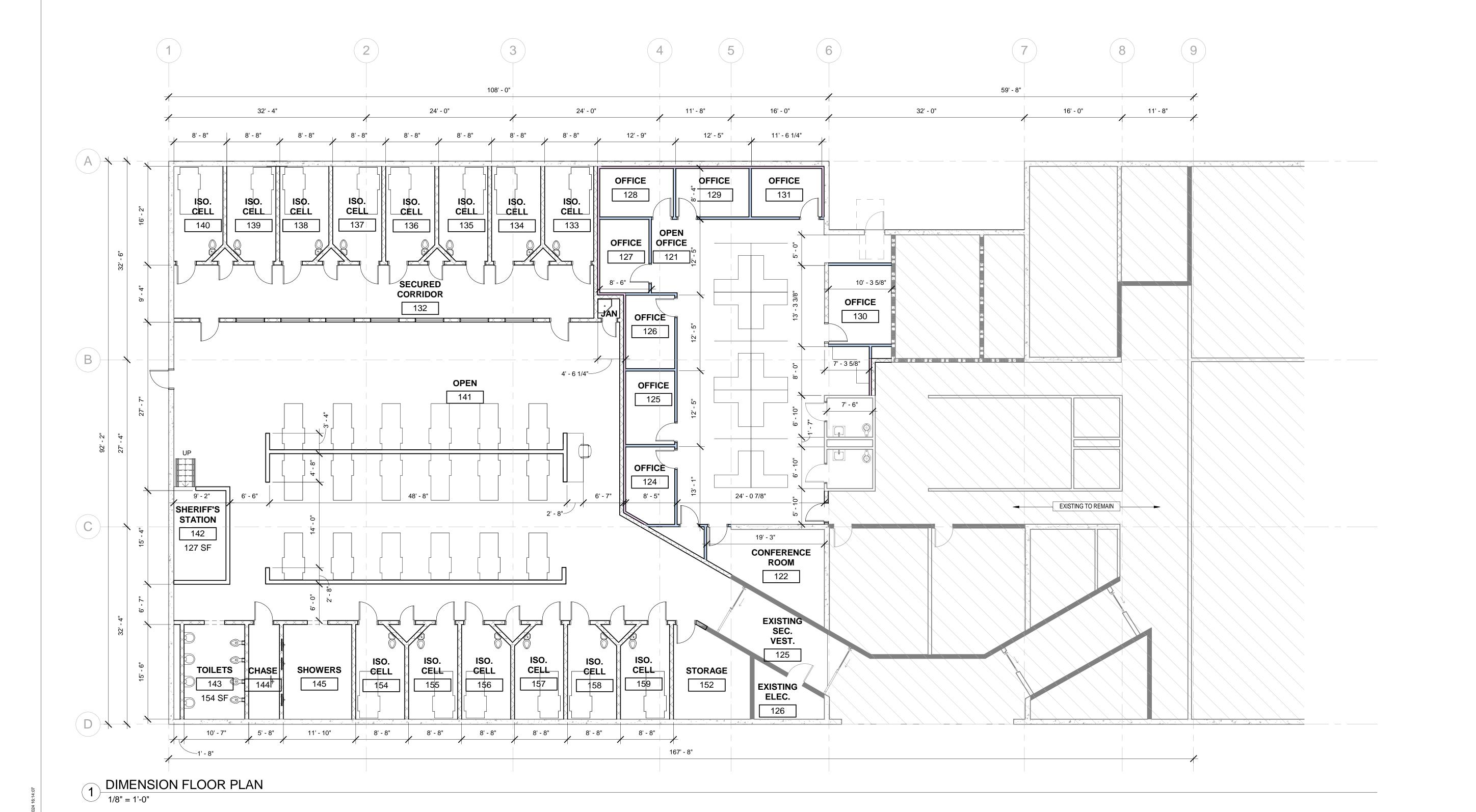
LS-101





FLOOR PLAN LEGEND 8" CMU EXISTING WALL TO REMAIN WALL TO BE DEMOLISHED 4 7/8" GYP STUD WALL

FIRE EXTINGUISHER



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DIMENSION FLOOR PLAN DRAWN BY: --REVIEW BY: Project Manager THE LUNZ GROUP © COPYRIGHT 2024 ALL RIGHTS RESERVED

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ANNOTATED FLOOR PLAN

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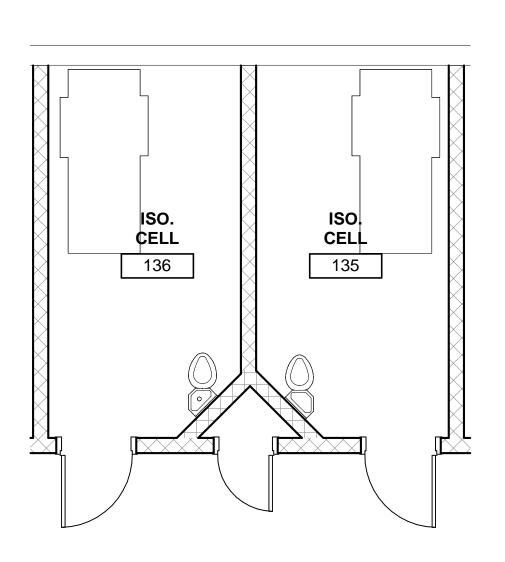


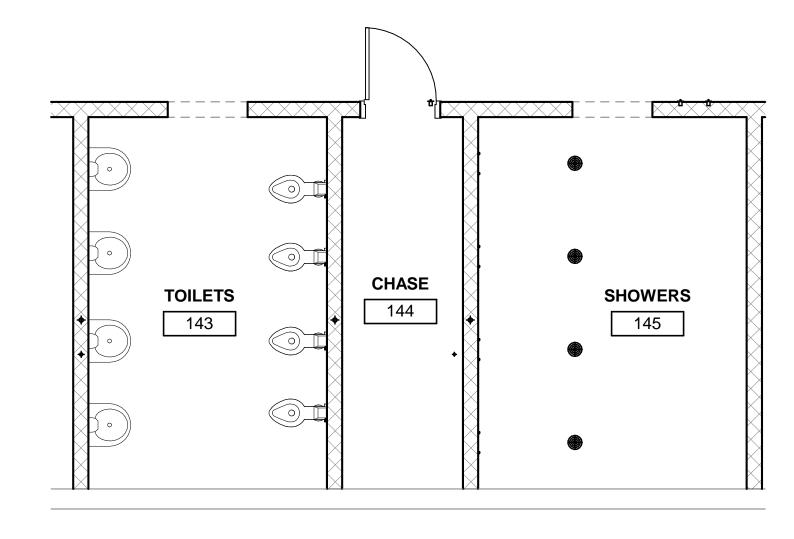
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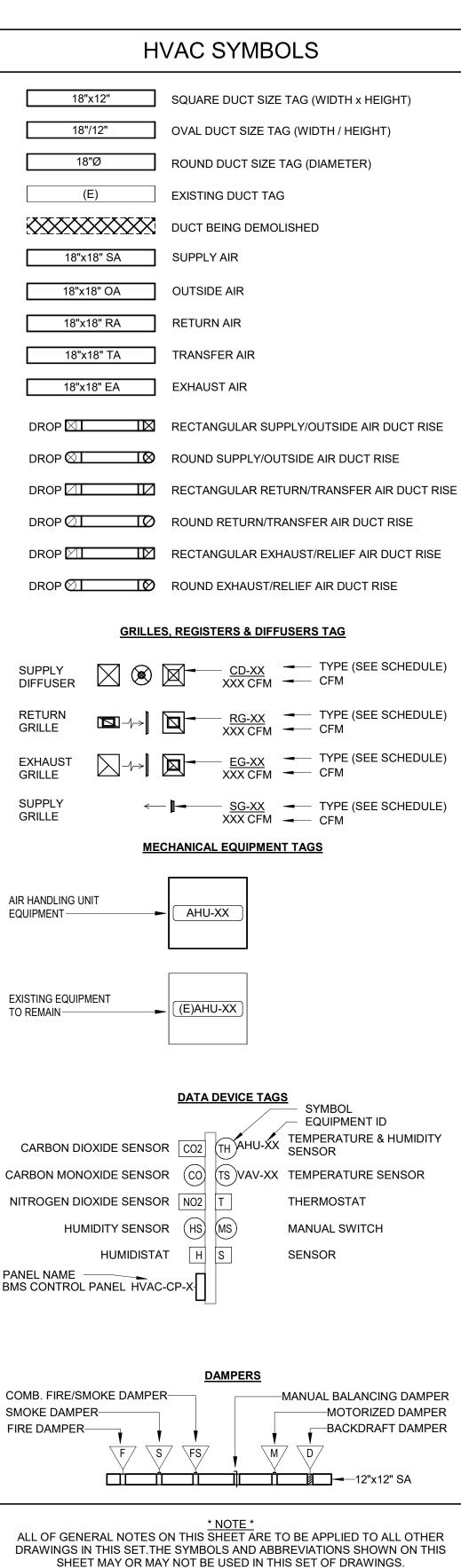


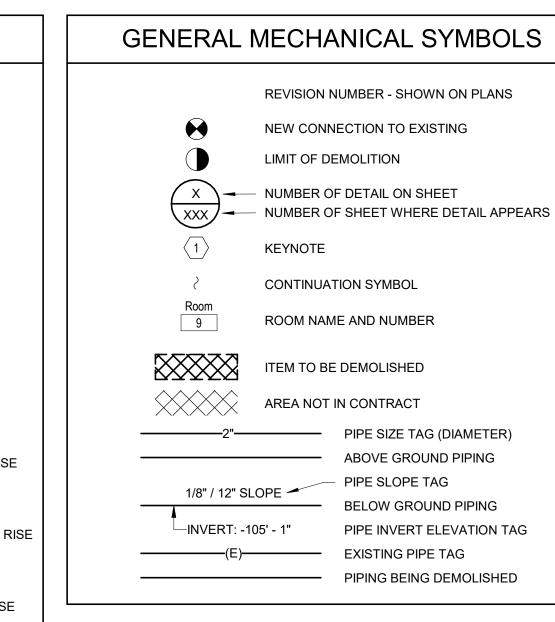
1 ENLARGED ISO CELL PLAN 1/4" = 1'-0"

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

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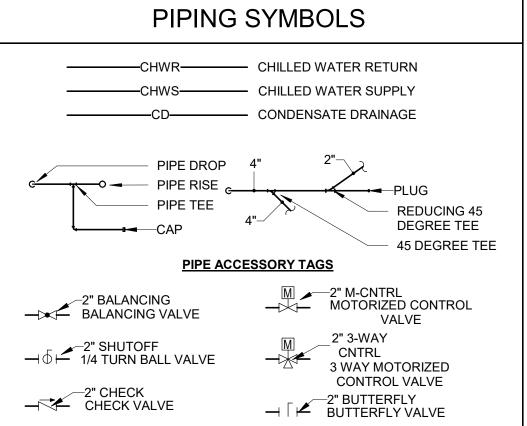
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EQUIPMENT ABBREVIATIONS AIR CONDITIONING UNIT EF EXHAUST FAN ELECTRIC DUCT COIL AHU AIR HANDLING UNIT EDC CH CHILLER FCU FAN COIL UNIT CT GRAVITY ROOF VENTILATOR **COOLING TOWER** GRV CHILLED WATER PUMP POWER ROOF VENTILATOR CHWP PV **CWP** CONDENSER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



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
- 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"
- 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.

PRESSURE CLASS UNLESS OTHERWISE NOTED.

- 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

- CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL, STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES REQUIRED TO INSTALL AND ADEQUATELY SUPPORT MECHANICAL EQUIPMENT AND COMPONENTS IN A MANNER WHICH WILL NOT OVERLOAD BUILDING STRUCTURE. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- . PROVIDE A TRAP IN ALL CONDENSATE PIPING LOCATED AT THE AIR HANDLING EQUIPMENT. INSULATE ALL CONDENSATE LINES WITH 1/2" CLOSED CELL FOAM INSULATION. ALL PIPING EXPOSED TO EXTERNAL ELEMENTS SHALL BE JACKETED WITH UV STABILIZED PVC OR ALUMINUM
- 22. IT IS THE RESPONSIBILITY OF THE MECHANICAL INSTALLER TO PATCH AND REPAIR ANY DUCT OPENINGS WHICH RESULT FROM THE RELOCATION OR ELIMINATION OF ANY EXISTING AIR DEVICES. THE PATCH IS TO BE OF A SIMILAR MATERIAL TO THE REPAIRED DUCT AND TO BE SEALED IN ACCORDANCE WITH SMACNA STANDARDS.
- AIR HANDLING EQUIPMENT WARRANTIES SHALL BE EQUAL TO OR EXCEED WARRANTY OF SCHEDULED EQUIPMENT, UNLESS NOTED OTHERWISE.
- 24. PROVIDE ADDITIONAL DUCTWORK AND PIPING SUPPORTS ON BOTH SIDES AND WITHIN 18" OF EACH FIRE RATED WALL. DUCTWORK OR PIPING SHALL NOT BE SUPPORTED FROM ANY FIRE RATED WALL
- 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, EXCEPT FOR TRANSFER AIR ELBOWS. TURNING VANES SHALL BE PROVIDED ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL
- 26. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS
- 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.
- 9. CONTRACTOR SHALL PROVIDE A PERMANENT/PROFESSIONAL LABEL FOR EACH PIECE OF EQUIPMENT, ASSOCIATED THERMOSTAT(S) AND/OR
- 30. DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER MECHANICAL SYSTEM COMPONENTS SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
- 31. LOW PRESSURE SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALL\ INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS UNLESS OTHERWISE NOTED. DUCT INSULATION TO BE 2.0" THICK FOIL BACK WRAP, K=0.25 BTU-IN./SF-HR-°F 1.50LB/CF, INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY JOHNS MANVILLE OR EQUAL. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE (PER FMC 603) AS MANUFACTURED BY COMPAC INDUSTRIES MODEL # 120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF. FACING SHALL BE FSK ALUMINUM FOIL. CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS AND DETAILS IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST REVISION, AND MANUFACTURER'S RECOMMENDATIONS. SUPPORT DUCTS WITH 1x2x1 22 GAGE MINIMUM CHANNELS AND STRAP OR 12-GAGE WIRE FROM BUILDING CONSTRUCTION SUSPEND FROM JOISTS WITH BEAM CLAMPS. PROVIDE HOT DIPPED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK. DUCT SIZES ON CONSTRUCTION DOCUMENTS ARE INTERNAL FREE-AREA DIMENSIONS.
- 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 EQUAL TO SCHEDULED MAKE AND MODEL. PAINT GRIP AND PAINT PER ARCHITECT
- 33. ALL MEDIUM PRESSURE SUPPLY DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS. DUCT INSULATION TO BE 2.0" THICK FOIL BACK WRAP, K=0.25 BTU-IN./SF-HR-°F, 1.50 LB/CF, INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY SCHULLER. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE AS MANUFACTURED BY COMPAC INDUSTRIES MODEL #120 (FLAME SPREAD = 5. SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF
- 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 SHALL BE CLASS 0 OR CLASS 1. FLEXIBLE DUCTS SHALL HAVE A MINIMUM RATED AIR VELOCITY OF 4000 FPM. A MINIMUM POSITIVE PRESSURE RATING OF 4 IN. WG, AND A MINIMUM NEGATIVE PRESSURE RATING OF 1 IN. WG. ALL FLEXIBLE DUCTS SHALL MEET 2020 FLORIDA BUILDING CODE MECHANICAL SECTION 603.6.
- 36. ALL DOOR UNDERCUTS FOR THE PURPOSE OF BALANCING RETURN AIR SHALL BE MINIMUM 1", PER FBC-MECHANICAL SECTION 601.6.
- ALL CONTROL WIRING SHALL BE INCLUDED AS PART OF MECHANICAL WORK; REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT AND WIRING REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR TO ENSURE THAT REQUIRED INTERFACE DEVICES ARE PROVIDED WITH ELECTRICAL COMPONENTS (I.E. FAN SPEED RHEOSTATS, AUXILIARY CONTACTS, INTERLOCKS, ETC.).
- 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 FOR REQUIREMENTS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT 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

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS
- 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
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE
- REQUIREMENTS: FLORIDA BUILDING CODE (FBC) 2023
- FLORIDA EXISTING BUILDING CODE 2023
- FLORIDA BUILDING CODE MECHANICAL 2023
- FLORIDA BUILDING CODE PLUMBING 2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION 2023
- FLORIDA FIRE PREVENTION CODE 2023
- NFPA 1-2021, THE UNIFORM FIRE CODE NFPA 101-2021, THE LIFE SAFETY CODE
- NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
- NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER
- NFPA 70-2020, NATIONAL ELECTRICAL CODE
- NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR
- CONDITIONING AND VENTING SYSTEMS. NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION,
- CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE 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.
- 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.
- . 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.
- 7. 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

	MECHANICAL SHEET LIST
Sheet Number	Sheet Name
001	MECHANICAL NOTES, LEGENDS, & ABBREVIATIONS
D-101	PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1
H-101	PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1
401	MECHANICAL SECTION VIEWS
501	MECHANICAL DETAILS
601	MECHANICAL SCHEDULES

THE

ABBREVIATIONS GEND(NOTE! **MECHANICAL**

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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.

2 DEMOLISH SUPPLY DUCTWORK BACK TO MEZZANINE MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.

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PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE 1

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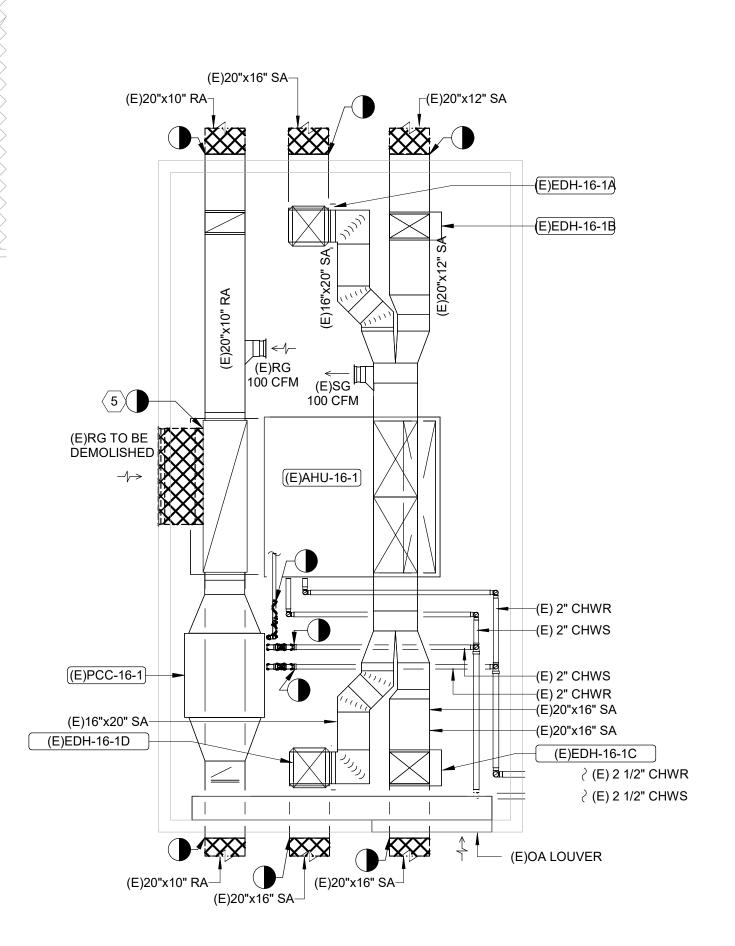
(E) 2 1/2" CHWR

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.

4 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.







PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - PHASE

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PARTIAL FLOOR PLAN

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- 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
- E. ALL ROOF MOUNTED EXHAUST EQUIPMENT (EF-1 & EF-2) SHALL BE LOCATED AT LEAST 10'-0" AWAY FROM ALL OUTSIDE AIR INTAKES.
- 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.

- UNIT OPENING IN VERTICAL. 5 18" x 10" EXHAUST DUCT UP TO EF-2 ON ROOF. TRANSITION TO FULL SIZE OF
- 6 INSTALL MANUAL DAMPER IN VERTICAL TO BE ACCESSIBLE FROM CHASE.

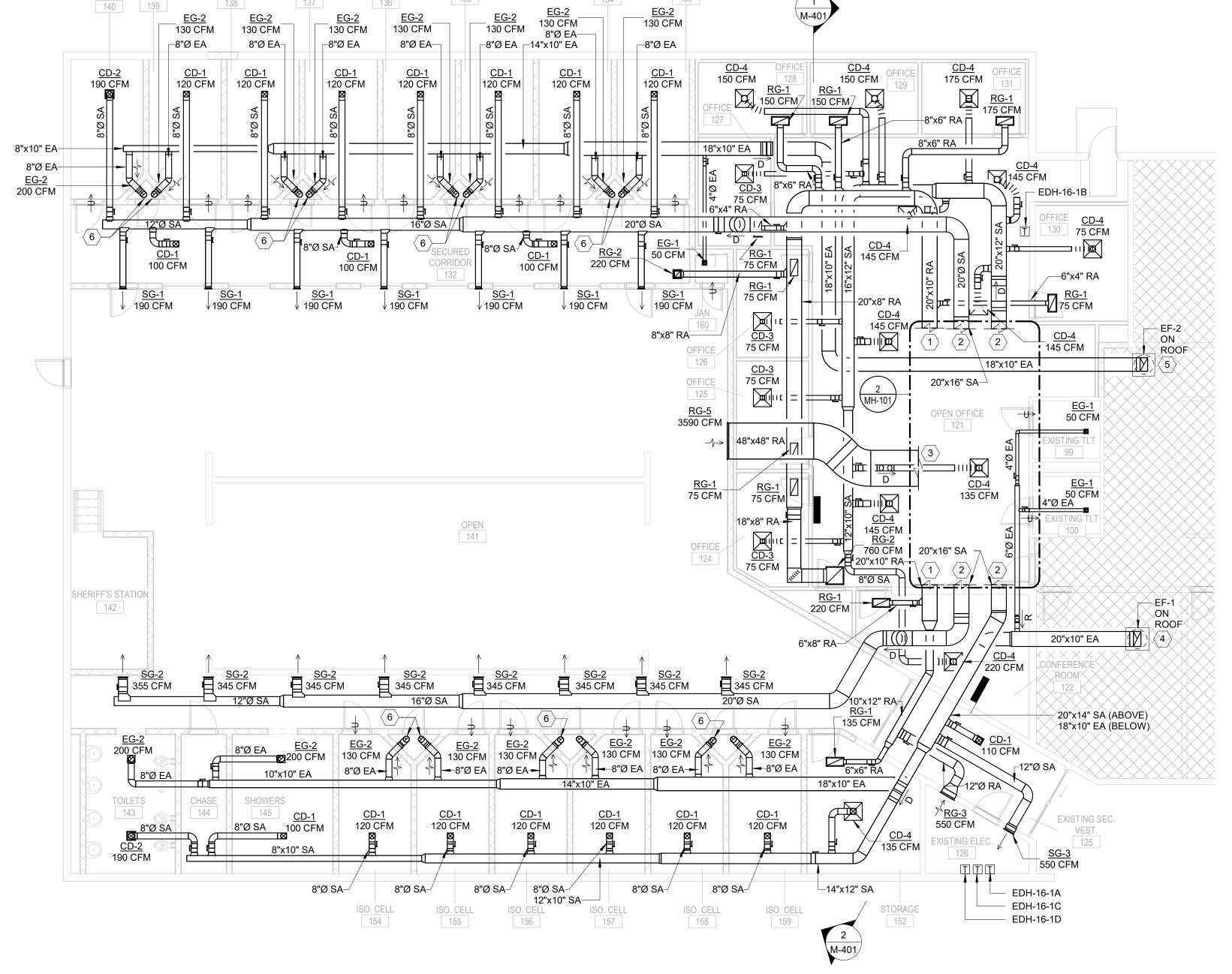
(E)EDH-16-1A

(E)EDH-16-1B

(E) 2" CHWR

–(E) 2" CHWR

(E) 2 1/2" CHWR



PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - PHASE 1

48"x48" RA

1 1/4" CD—

(E)PCC-16-1

(E)16"x20" SA-

(E)20"x10" RA (BELOW)

2" CHWS/R

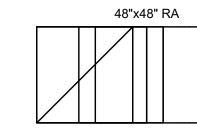
ENLARGED PLAN - MEZZANINE PLAN - MECHANICAL DUCTWORK

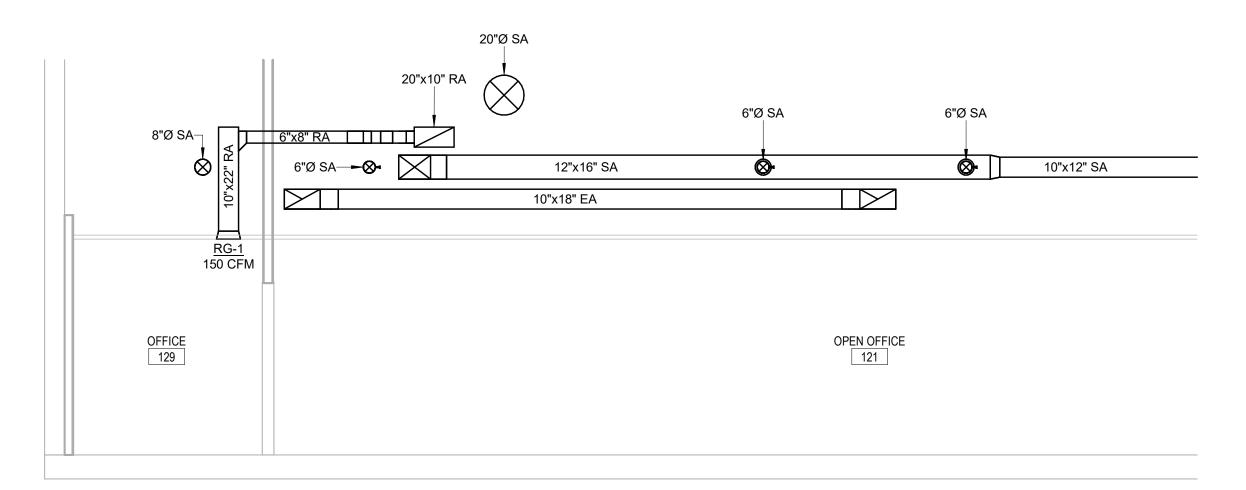
(E)RG (E)SG 100 CFM

(E)AHU-16-1

20"x10" RA-

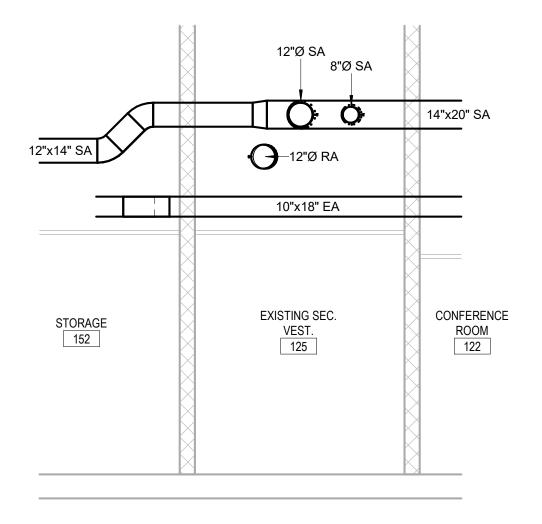
(E)OA PLENUM - (E)OA LOUVER 20"x10" RA-20"x16" SA— (E)EDH-16-1D (E)EDH-16-1C





SECTION VIEW - OFFICE SPACE CEILING COORDINATION

1/4" = 1'-0"



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



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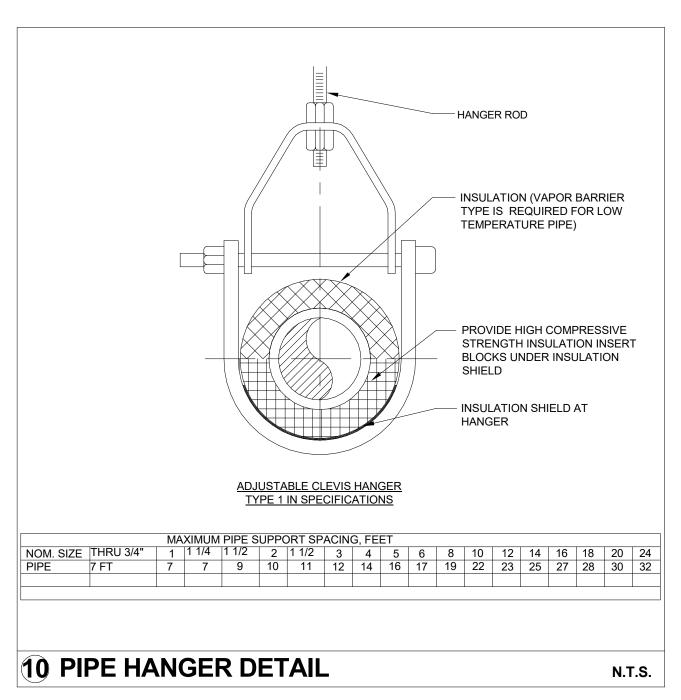
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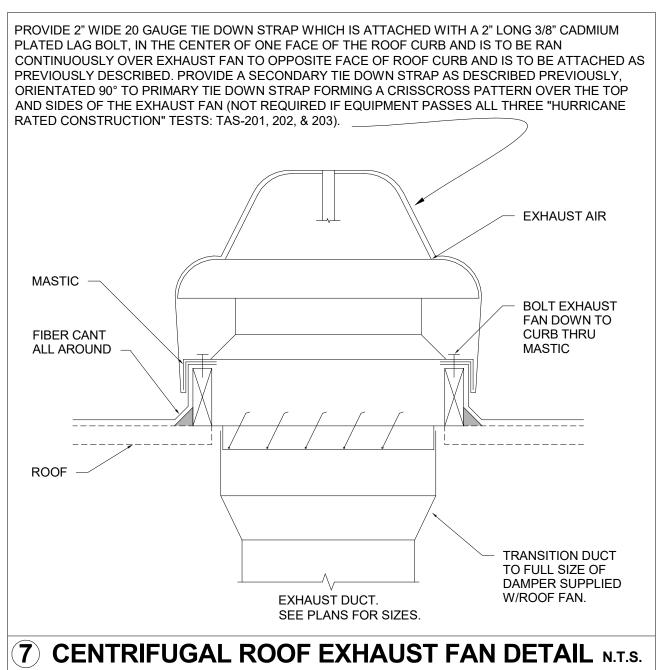
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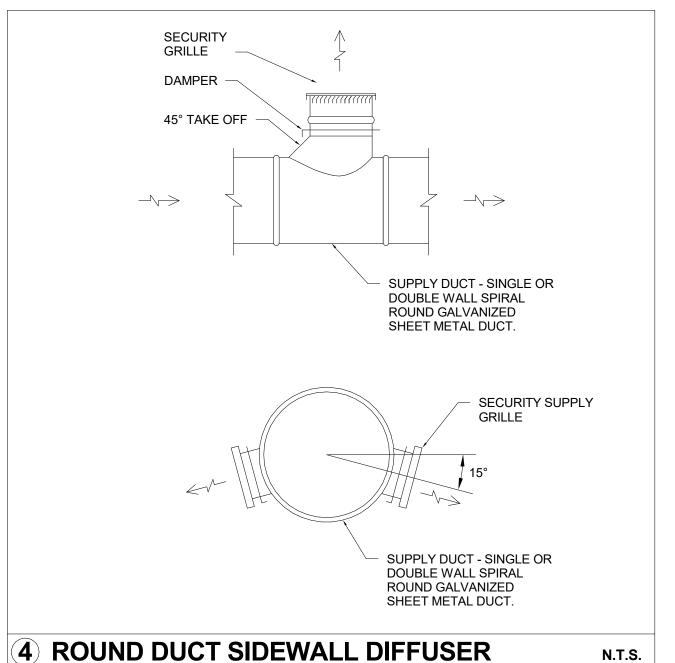
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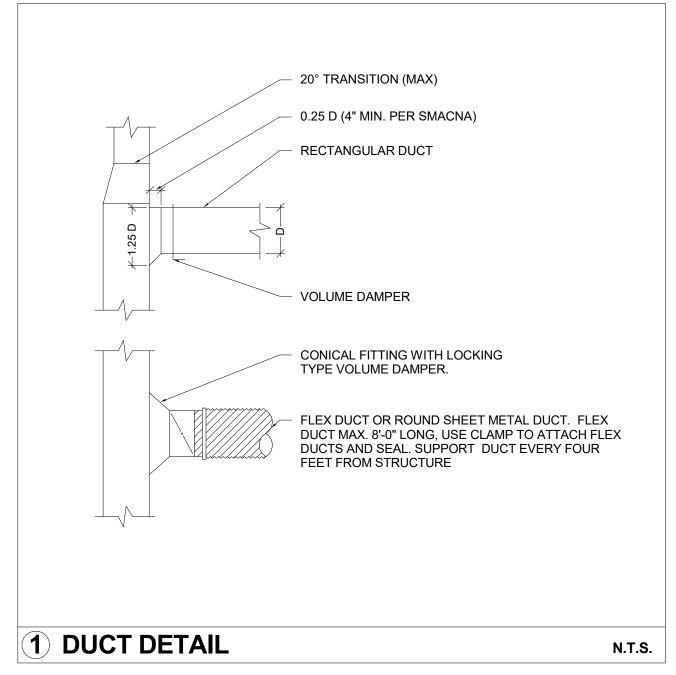
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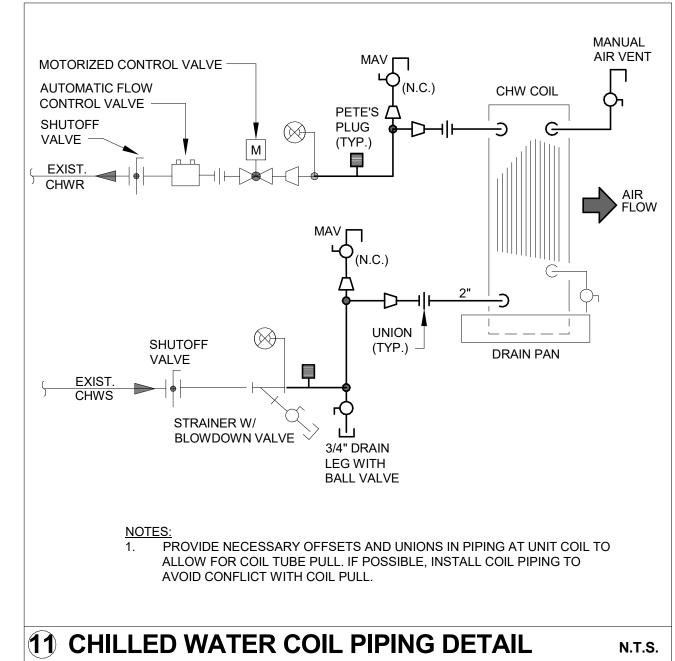
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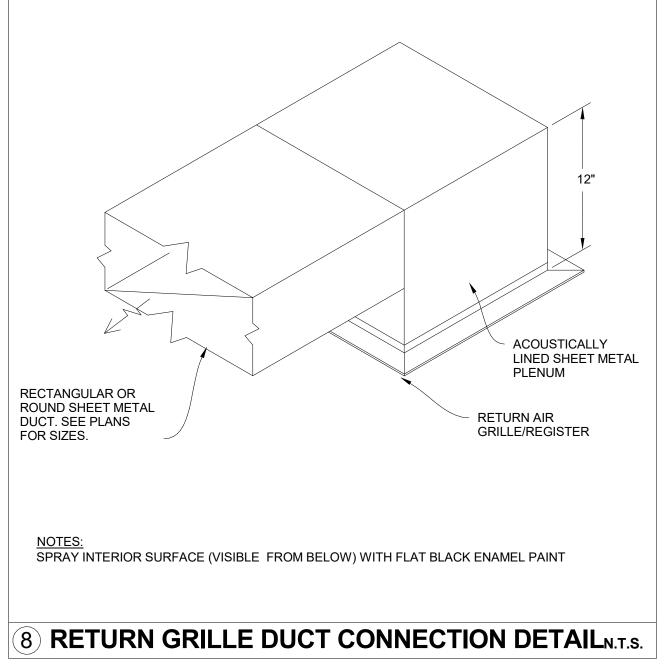


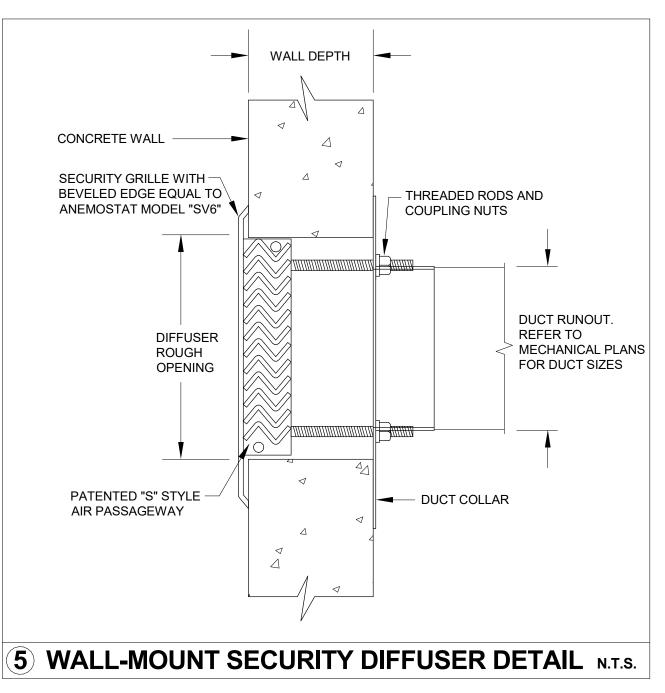


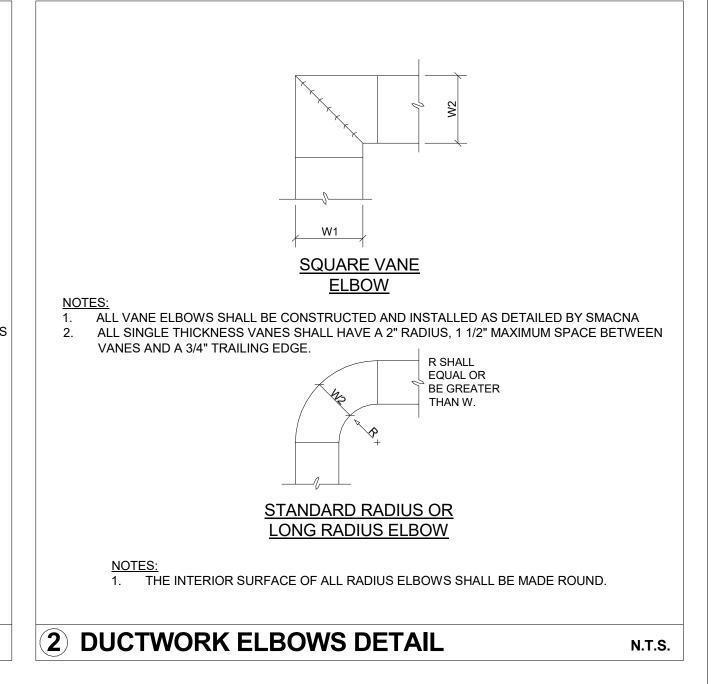


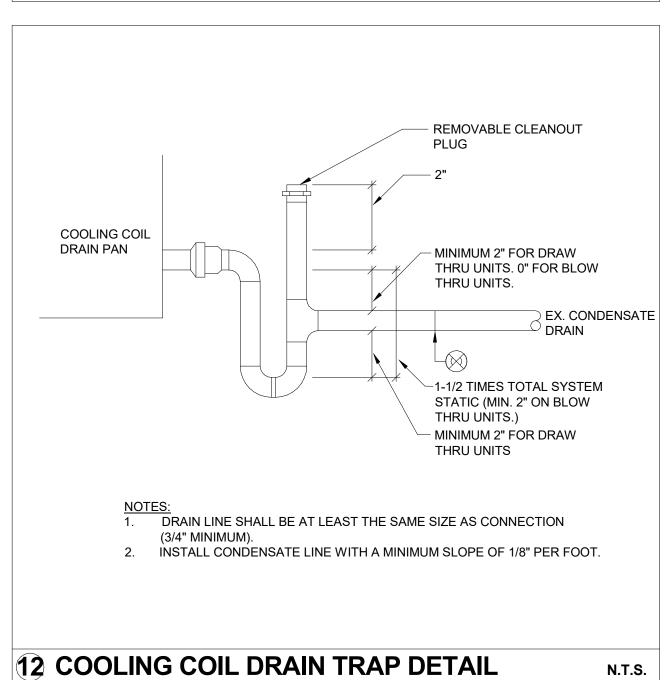


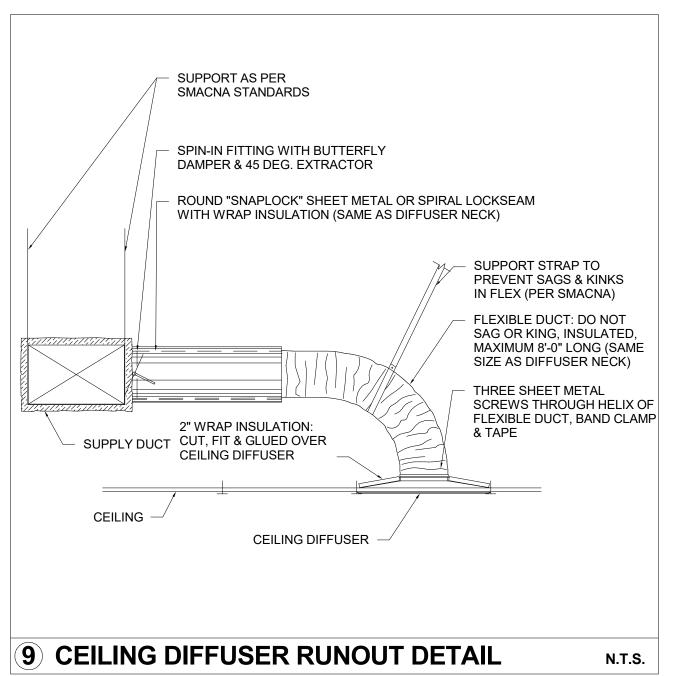


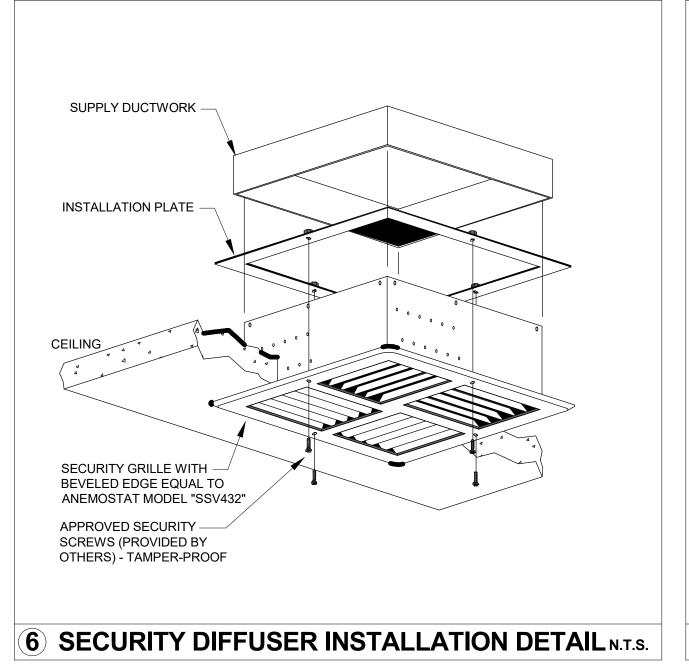


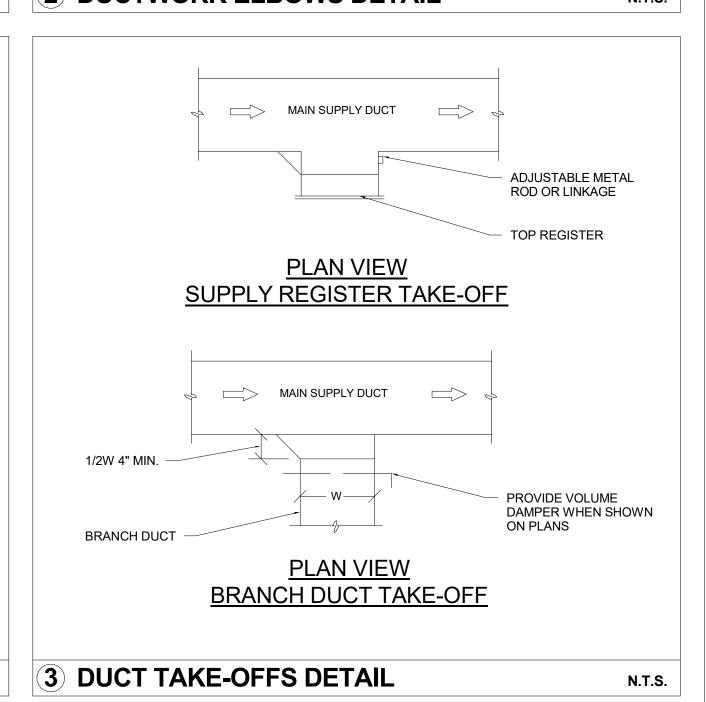














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MECHANICAL DETAILS

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M-501

	AIR HANDLING UNIT SCHEDULE																									
								SUPPLY F	AN						CHILLED WA	ATER COIL					FILTERS			DIMENSIONS		
MARK	LOCATION	MANUFACTURER	MODEL#	NOMINAL TONNAGE	SUPPLY CFM	OA CFM	ESP	# OF FANS Wh	HEEL DIAMETER (IN.)	HP	VOLTS/Ø/HZ	TOTAL (MBH)	SENSIBLE (MBH)	EAT (DB/WB)	LAT (DB/WB)	AIR ΔP (IN. W.C.)	GPM	EWT/LWT	WATER ΔP (FT H2O)	TYPE	EFFICIENCY	ΔP (IN. W.C.)	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	NOTES
(E)AHU-16-1	MEZZANINE MECH ROOM	DAIKIN	CAH017	12.0	9265	2840	2.00	1	22.25	7.5	460/3/60	143.6	125.9	66.3/59.2	54	-	24.00	44 / 56	-	PLEATED	MERV 8	0.66	88	80	46	1
(E)PCC-16-1	MEZZANINE MECH ROOM	DAIKIN	CAC007	18.4	-	2840	0.30	-	-	-	-	220.2	115.4	92.0/77.0	55	-	36.70	44 / 56	-	PLEATED	MERV 8	0.59	42	40	42	1

* DESIGN CONDITIONS: OUTDOOR: SUMMER-92°F/77°F WINTER-40°F INDOOR: 75°F/50% RH

EXISTING AIR HANDLING UNIT TO REMAIN. EXISTING CHILLED WATER COIL TO BE REMOVED AND REPLACED WITH NEW COIL. FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. COIL REPLACEMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

OUTSIDE AIR CALCULATIONS	BASED ON 202	3 FLORIDA BUIL	DING CODE -	MECHANIC	AL TABLE 4	03.3.1.1 "MI	NIMUM VENT	ILATION RATES"			
ROOM	AREA (FT²)	*PEOPLE /1000 FT²	PEOPLE**	CFM / PERSON	PEOPLE CFM	CFM / FT²	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
	•		TOTAL CFM	REQ'D	•	•	•	•	1193	1215	22

JILDING P	RESSURIZ	ATION	
OA	MARK		EA
2,840	EF-1	1,	280
	EF-2	1,	160
2,840	Total	2,	440
D	2840 CFM		
TED	-2440 CFM		
	400 CFM BUILDING	PRESSURIZA	TION
	OA 2,840 2,840	OA MARK 2,840 EF-1 EF-2 2,840 Total D 2840 CFM TED -2440 CFM	2,840 EF-1 1, EF-2 1, 2,840 Total 2, D 2840 CFM

			GRILLE, REGISTER, ANI	D DIFFUS	ER SCHE	DULE			
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

			EXHAUS	ST FAN	ISCH	EDUL	.E				
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:

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

INSTALL AIR DEVICES PER MANUFACTURER'S INSTRUCTIONS.

AIR DEVICES SHALL BE MAXIMUM SECURITY RATED AND LIGATURE RESISTANT.

PAINT PER ARCHITECT.

SIZE GRILLE AS PER FLOOR PLAN.

- PROVIDE WITH GRAVITY BACKDRAFT DAMPER, BIRDSCREEN, ECM MOTOR, AND SPEED CONTROLLER.
- PROVIDE FACTORY DISCONNECT SWITCH.

DAMPERS SHALL BE INSTALLED IN DUCTWORK FOR ALL DIFFUSERS/GRILLES UNLESS OTHERWISE INDICATED.

- ROOF CURB TO BE FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. ROOF CURB SHALL HAVE HIGH WIND RATING OF NO LESS THAN 160 MPH PER FBC 2023. FAN SHALL BE INTERLOCKED WITH (E)AHU-16-1.



HEALTH MENTAL **HCSO**

SCHEDULE

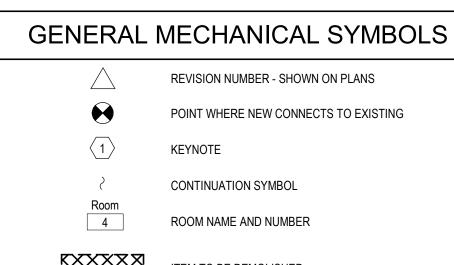
MECHANICAL

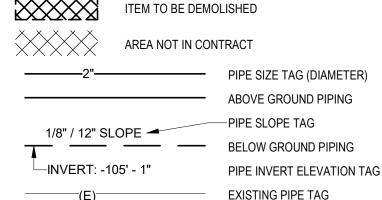
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ABBREVIATIONS

----- PIPING BEING DEMOLISHED

ABOVE	NO	NUMBER
AREA DRAIN	NTS	NOT TO SCALE
ABOVE FINISHED FLOOR	PD	PRESSURE DROP
BELOW FINISHED FLOOR	PLBG	PLUMBING
BELOW	PRESS	PRESSURE
CEILING	PRV	PRESSURE REDUCING VALVE
CLEAN OUT	PSI	POUNDS PER SQUARE INCH
COLD WATER	RD	ROOF DRAIN
DEGREE	RED	REDUCER
DOWN	SF	SQUARE FOOT
DOMESTIC	SAN	SANITARY
EXPANSION TANK	SP	STATIC PRESSURE
ELECTRIC WATER COOLER	TEMP	TEMPERATURE
ENTERING WATER TEMPERATURE	TYP	TYPICAL
EXISTING	V	VENT
FAHRENHEIT	VTR	VENT THROUGH ROOF
FLOOR CLEAN OUT	WCO	WALL CLEAN OUT
FLOOR DRAIN	WH	WALL HYDRANT
	AREA DRAIN ABOVE FINISHED FLOOR BELOW FINISHED FLOOR BELOW CEILING CLEAN OUT COLD WATER DEGREE DOWN DOMESTIC EXPANSION TANK ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE EXISTING FAHRENHEIT FLOOR CLEAN OUT	AREA DRAIN ABOVE FINISHED FLOOR BELOW FINISHED FLOOR BELOW PRESS CEILING CLEAN OUT COLD WATER DEGREE DOWN DOMESTIC EXPANSION TANK EXPANSION TANK EXPANSION TANK ENTERING WATER TEMPERATURE ENTERING FAHRENHEIT FLOOR CLEAN OUT NTS PLBG PRESS PRESS PRESS PRESS PRED DOWN SF TEMP ENTERING WATER COOLER TEMP EXISTING V FAHRENHEIT VTR FLOOR CLEAN OUT

FLOOR

HB HOSE BIBB

HW HOT WATER

INCH

GWH

IN

FLOOR SINK

GALLONS PER MINUTE

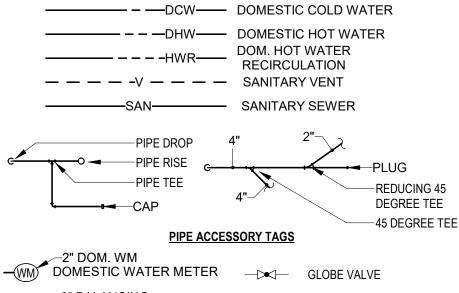
GAS WATER HEATER

LWT LEAVING WATER TEMPERATURE

NOT IN CONTRACT

FOOT/FEET

PLUMBING AND PIPING SYMBOLS



	OLOBE VALVE
2" BALANCING BALANCING VALVE	→ 「 P BUTTERFLY BUTTERFLY VALVE
2" SHUTOFF → 1/4 TURN BALL VALVE	LOCK SHIELD VALVE
2" CHECK —CHECK VALVE	── SIPRING CHECK VALVE
2" TMV 3-WAY MIXING VALVE	SWING GATE CHECK VALVE
— GATE VALVE	— TEMP PRESSURE RELIEF VALVE

— ✓ ANGLE HOSE VALVE

DRAIN TAGS

FLOOR DRAIN

4" FD-1

TYPE (SEE SCHEDULE)

4" AD-6

AREA DRAIN

FLOOR DRAIN

FLOOR DRAIN

4" FD-3P

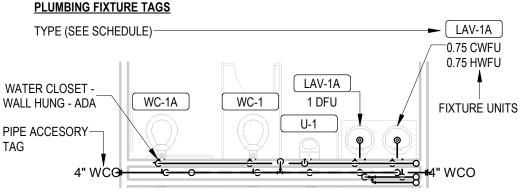
"P" - INDICATES
PRIMER CONNECTION

HUB DRAIN

6 DFU

FIXTURE UNITS

PLUMBING FIXTURE TAGS



* NOTE *

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.

PLUMBING FIXTURE SCHEDULE

		I LOW			'L OO!					
FIXTURE			ROUGH-IN	PIPE SIZES			SUPPLY ATION		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.	1-1/4"	N/A	LAV: 2", WC: 4"	LAV: 2", WC: 4"	LAV: 0.5, WC: 6	LAV: 0.5, WC: -	LAV: 1, WC: 4	ACORN	1418-2-BP-04-FV PHC
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

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.
- 2. 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.
- 3. 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.
- I. ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT.
- 5. COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.
- 5. 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.
- 8. 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.

. 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

PLUMBING ACCESSORIES

LOCATION.

- FD:
 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 Z-1022 SANI-GUARD; CONNECT TO CW WITH VALVE, EXTEND TRAP PRIMER TO FLOOR DRAIN AS REQUIRED. 1/2" CW.
- 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.
- 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.
- CO:
 PINNED CLEANOUT ACORN PC; 2-1/2" NPT BRASS CLEAN-OUT PLUG.
 PERMANENT 5/32" STAINLESS STEEL PIN.

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.
- 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. ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE
- FLORIDA BUILDING CODE (FBC) 2023
- FLORIDA EXISTING BUILDING CODE 2023FBC MECHANICAL 2023
- FBC MECHANICAL 2023FBC PLUMBING 2023
- FBC ENERGY CONSERVATION 2023FLORIDA FIRE PREVENTION CODE 2023
- PLORIDA 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
- 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.

 NEPA 2/11-2019 STANDARD FOR SAFEGUARDING CONSTRUC
- NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- 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.

PLUMBING SHEET LIST

Sheet
Number
Sheet Name
P-001
PLUMBING NOTES, LEGENDS, & SCHEDULES
PD-101
PLUMBING DEMOLITION PLAN - SANITARY AND VENT
PD-201
PLUMBING DEMOLITION PLAN - DOMESTIC WATER
P-101
PLUMBING RENOVATION PLAN - SANITARY AND VENT
P-201
PLUMBING RENOVATION PLAN - DOMESTIC WATER
P-401
PLUMBING RENOVATION - ENLARGED PLANS
P-501
PLUMBING DETAILS

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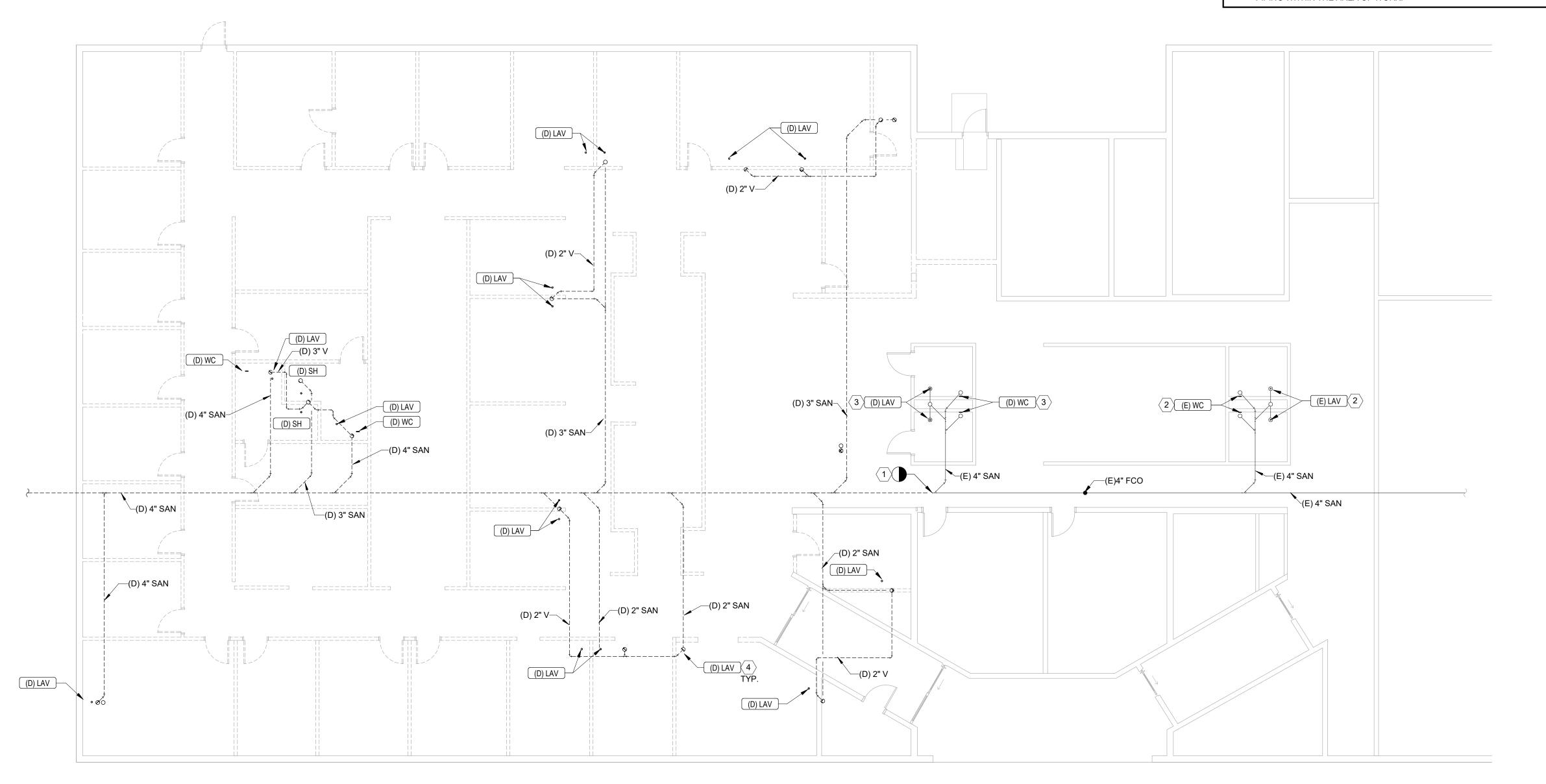
P-00'

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.

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
- 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.



PLUMBING DEMOLITION PLAN - SANITARY AND VENT

1/8" = 1'-0"

GROUP

THE

SANITARY AND VENT PLUMBING DEMOLITION P

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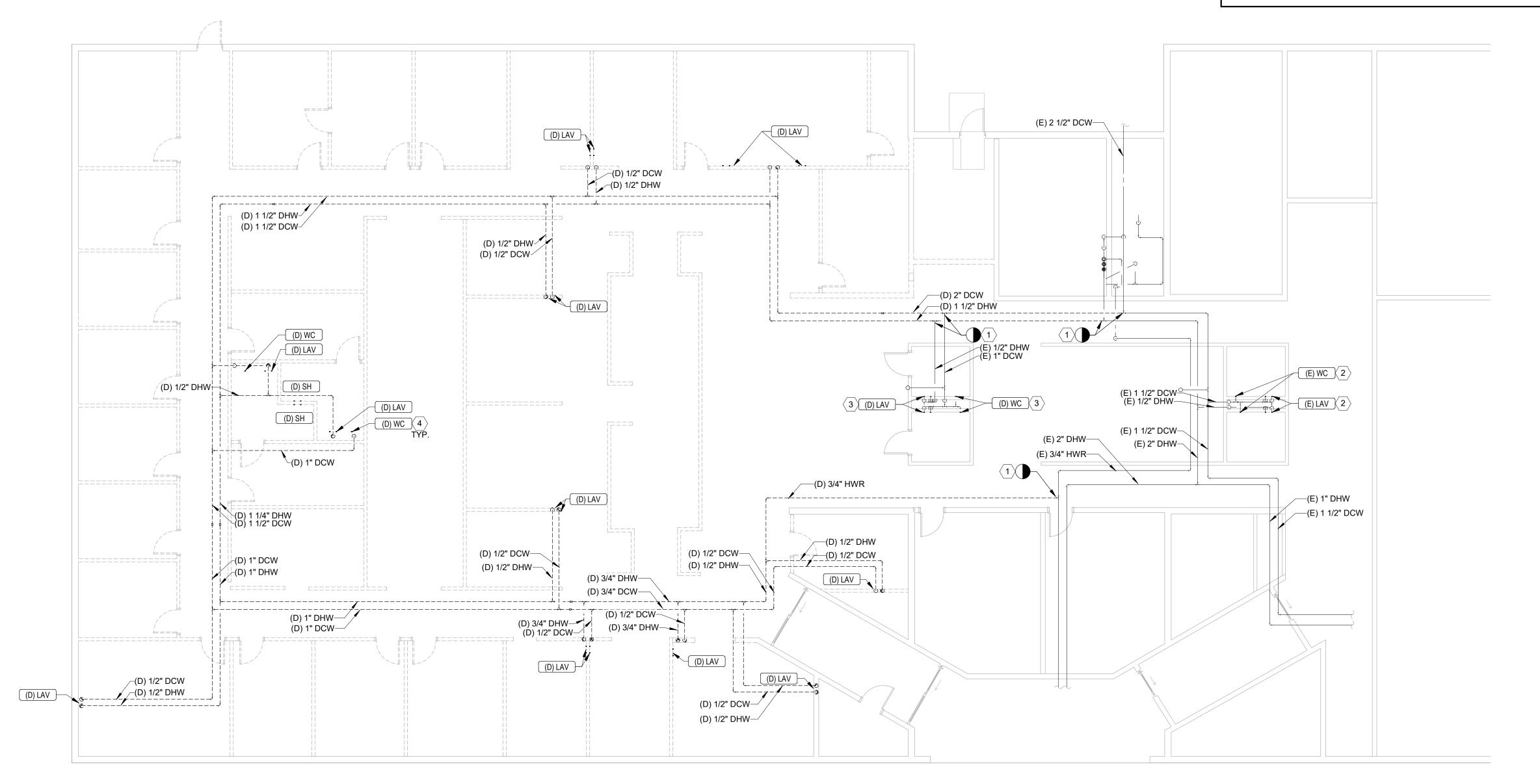


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- 2 NOTED PLUMBING FIXTURES EXISTING TO REMAIN.
- 3 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES.
- 4 REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING.

PLUMBING GENERAL NOTES

- 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
- 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.



PLUMBING DEMOLITION PLAN - DOMESTIC WATER

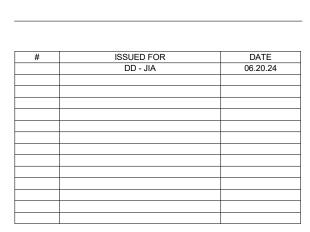
1/8" = 1'-0"

THE GROUP

DOMESTIC WATER

PLUMBING DEMOLITION P

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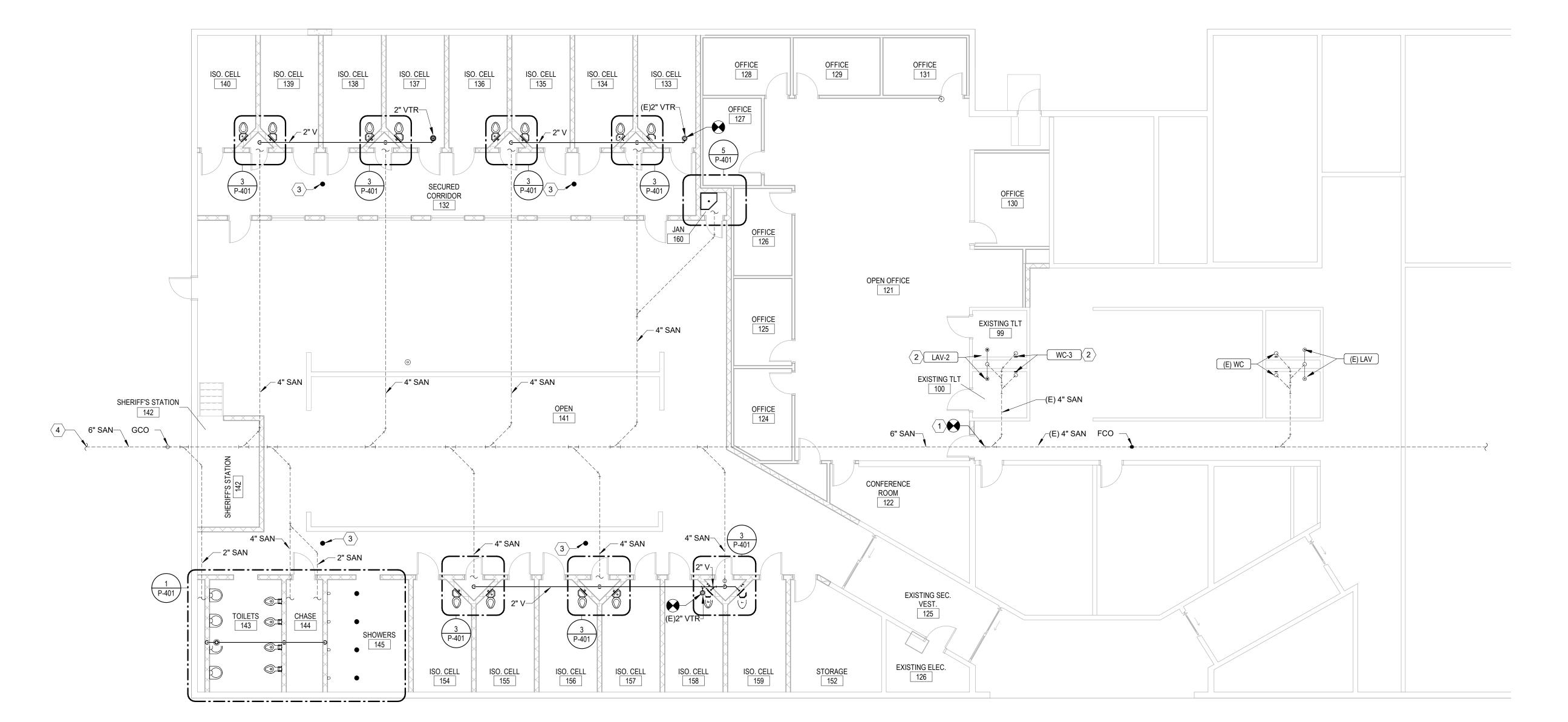


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- CONNECT NEW 6" SANITARY MAIN TO EXISTING 4" MAIN.
- 2 EXISTING PLUMBING FIXTURES SHALL BE REPLACED. PIPING SHALL BE REUSED AND CONNECTED TO REPLACED FIXTURES.
- 3 FURNISH AND INSTALL FLOOR DRAINS OUTSIDE OF CELLS.
- 4 CONNECT NEW 6" SANITARY TO CITY MAIN. REFER TO CIVIL FOR MORE INFORMATION.

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.
- 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.



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

THE GROUP

SANITARY AND VENT

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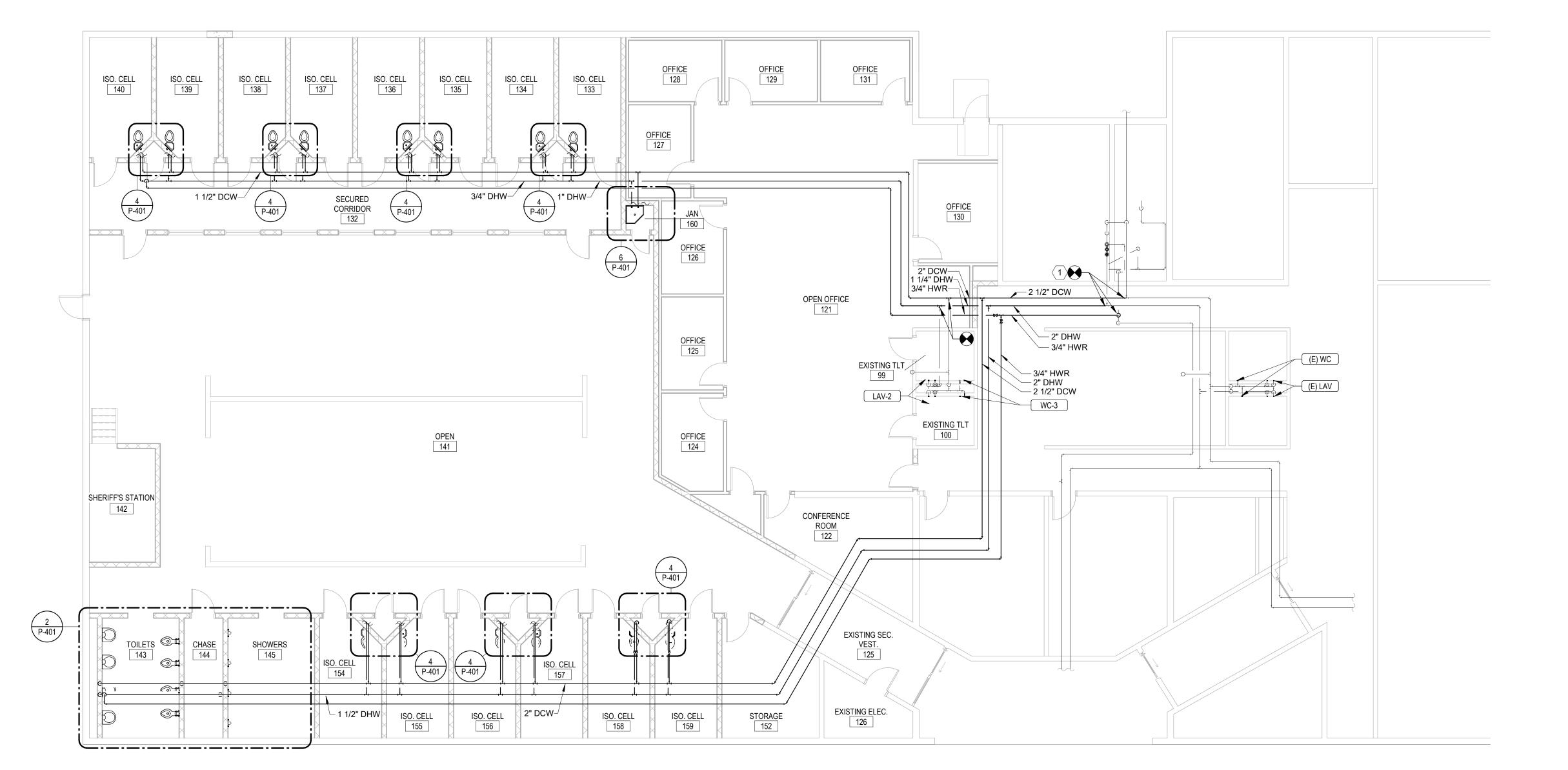


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PROVIDE DOMESTIC HOT, COLD, AND RECIRCULATION PIPING TO NEW PLUMBING FIXTURES AND CONNECT TO EXISTING PIPING OUTSIDE OF MECHANICAL ROOM.

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.
- 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.



PLUMBING RENOVATION PLAN - DOMESTIC WATER

1/8" = 1'-0"

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- DOMESTIC WATER

PLUMBING RENOVATION

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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.

KEYNOTES

SHOWER ROOM 145.

DOMESTIC HOT AND COLD WATER DOWN FROM CEILING SPACE TO CELL FIXTURE SUPPLY. ROUTE PIPING CLOSE TO STRUCTURE WITHIN CHASE.

3 SANITARY PIPING TO BUILDING MAIN.

2 FURNISH AND INSTALL SHUT OFF VALVES FOR EACH CELL.

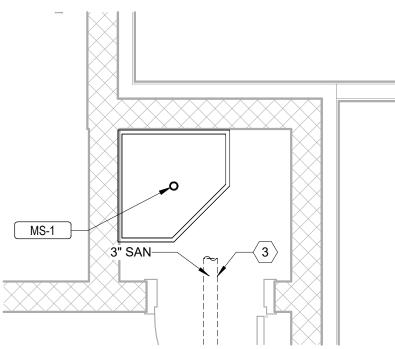
4 DOMESTIC COLD WATER DOWN FROM CEILING SPACE TO WATER CLOSET SUPPLY. ROUTE PIPING CLOSE TO STRUCTURE WITHIN CHASE.

DOMESTIC HOT AND COLD WATER DOWN FROM CEILING SPACE TO SHOWER SUPPLY. ROUTE PIPING CLOSE TO STRUCTURE WITHIN CHASE.

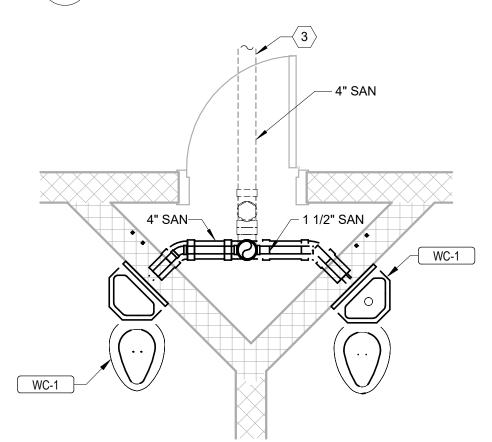
DOMESTIC HOT AND COLD WATER DOWN FROM CEILING SPACE TO LAVATORY SUPPLY. ROUTE PIPING CLOSE TO STRUCTURE WITHIN CHASE.

7 FURNISH AND INSTALL FLOOR DRAIN FOR EACH SHOWER HEAD WITHIN

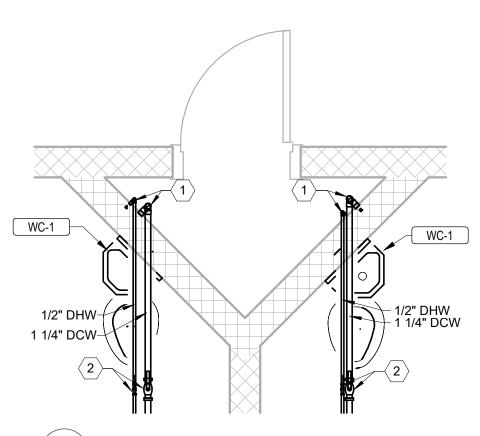
6 DOMESITC WATER ENLARGED PLAN - JANITOR P-401 1/2" = 1'-0"

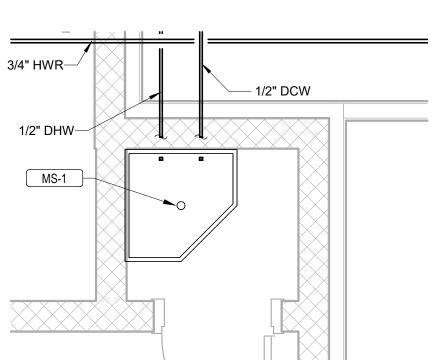


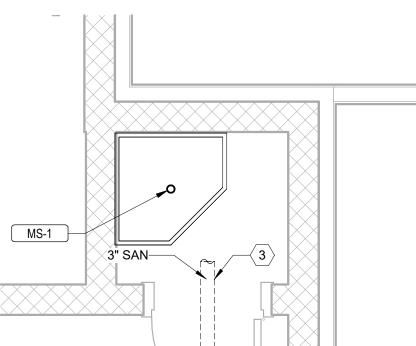
5 SANITARY AND VENT ENLARGED PLAN - JANITOR



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







4 TYPICAL DOMESTIC WATER ENLARGED PLAN - CELL
P-401 1/2" = 1'-0"

ENLARGED PLANS PLUMBING RENOVATION

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1 SANITARY AND VENT ENLARGED PLAN - BATHROOM

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

WC-2

WC-2

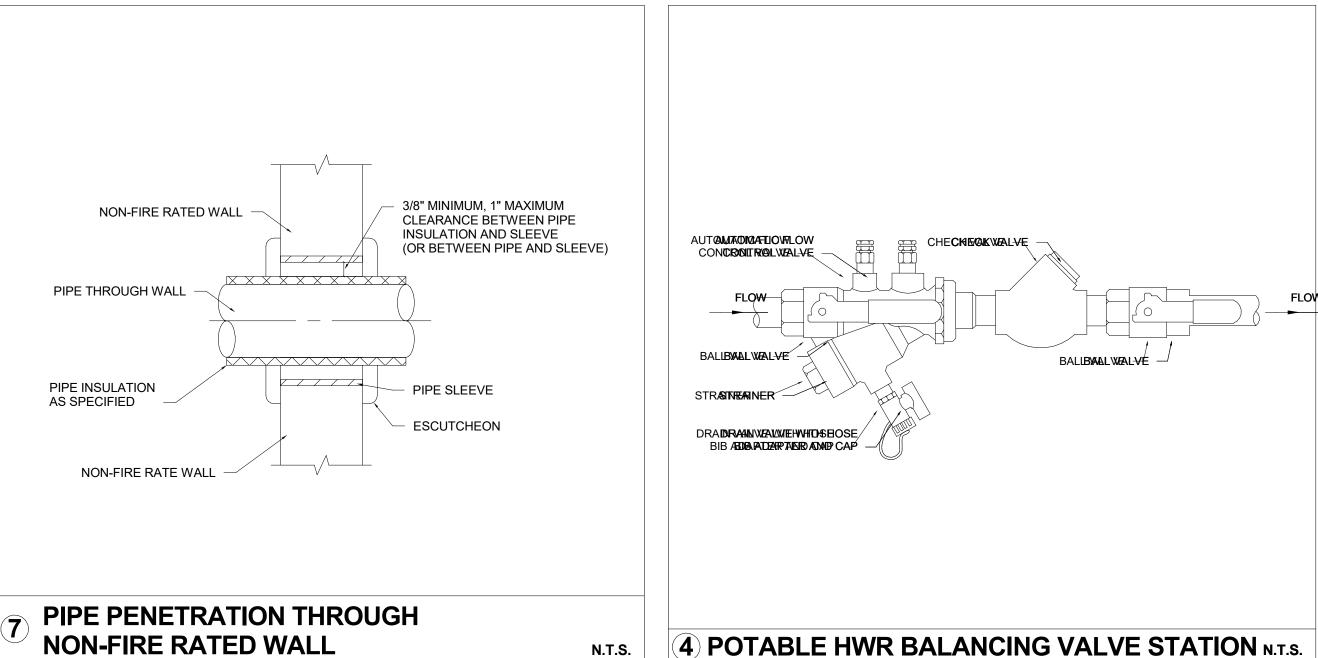
4" SAN—

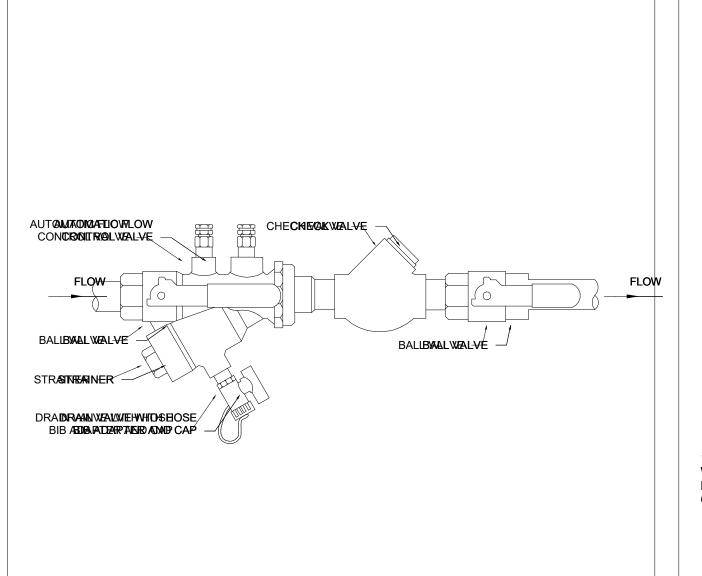
2" SAN----

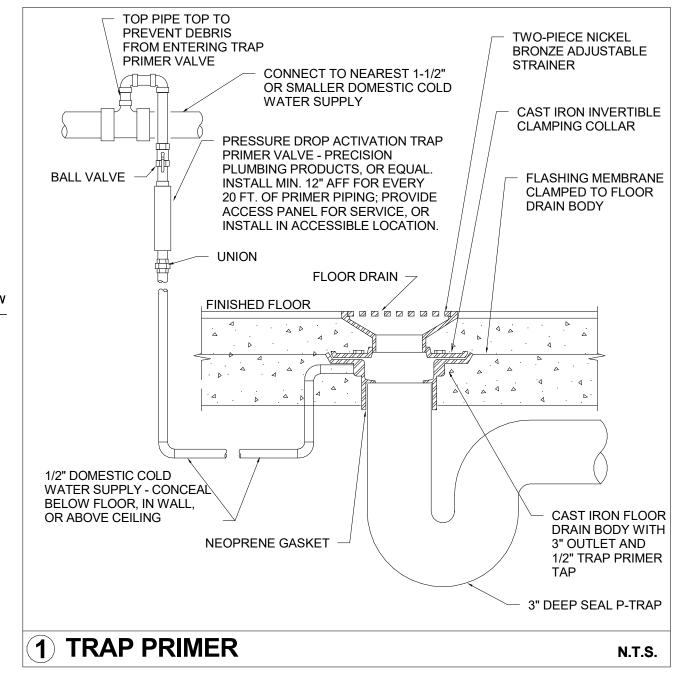
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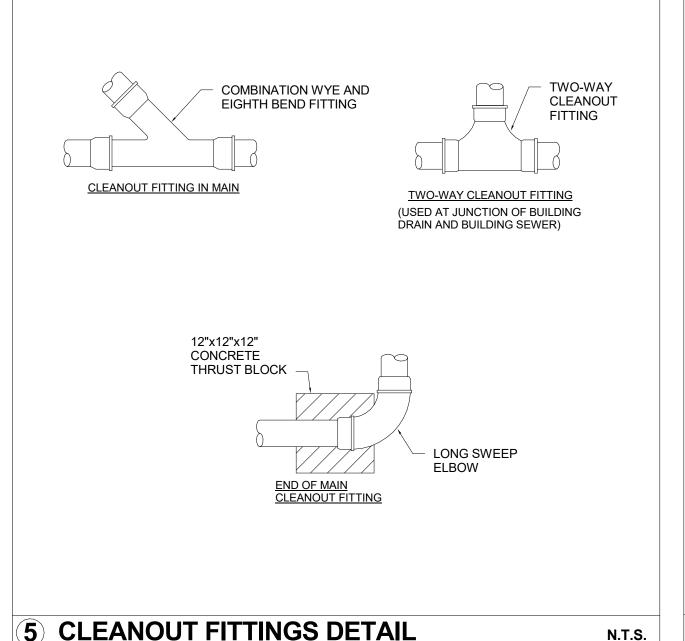
_____ 2" DCW

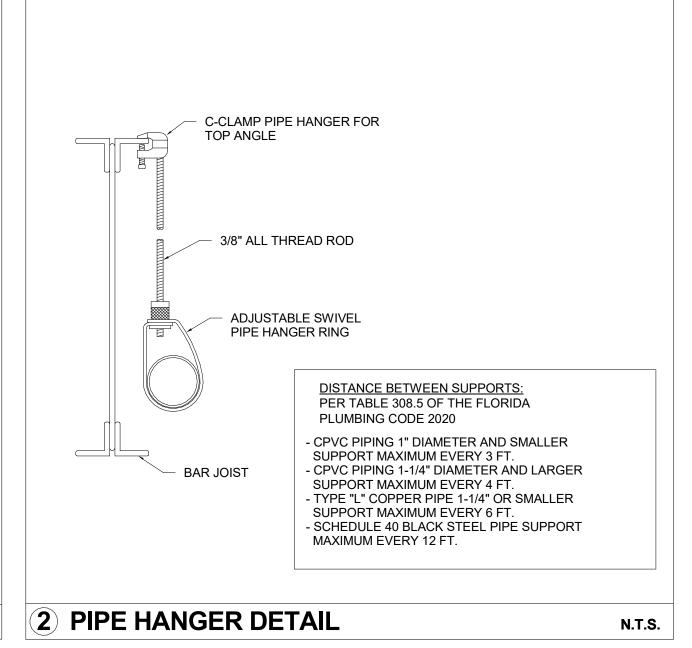
____ 1 1/2" DHW

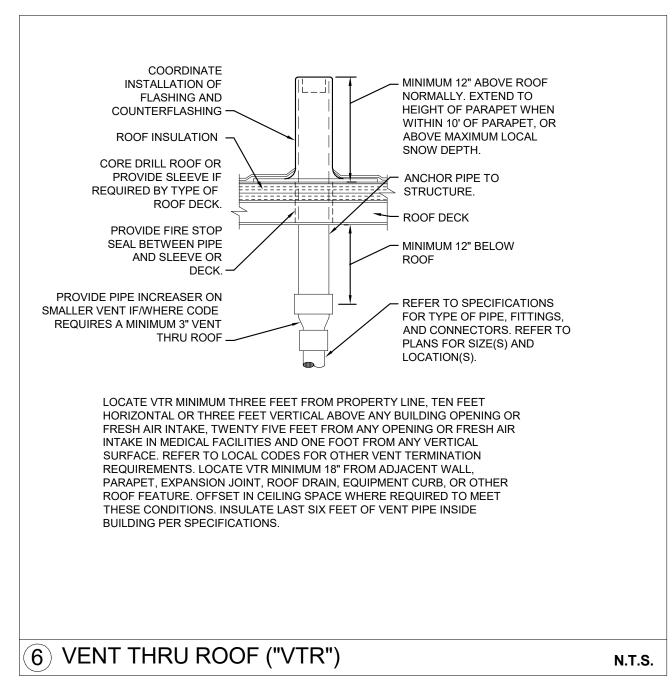


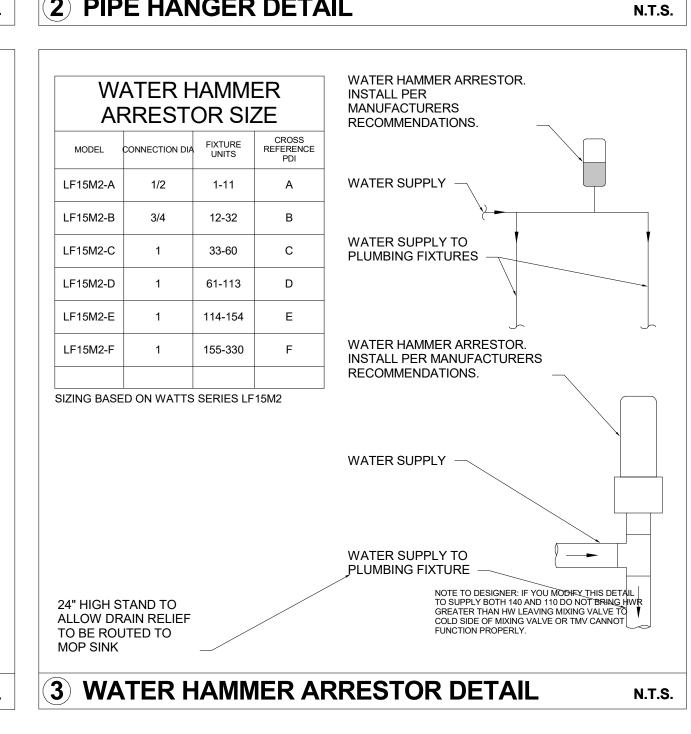














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PLUMBING DETAILS

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DELEGATED DESIGN REQUIREMENTS

- A. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS, AS DEFINED PER F.A.C. 61G15-32.002(5), REPRESENT THE OVERALL SCOPE, DESIGN INTENT, AND COVERAGE AREA FOR THE FIRE PROTECTION SYSTEM WITHIN THE PROJECT SCOPE. DELEGATED ENGINEER IS RESPONSIBLE FOR DESIGNING A FIRE PROTECTION SYSTEM FOR THE ENTIRE BUILDING, PERMITTED AND APPROVED PER NFPA AND BY THE AUTHORITY HAVING JURISDICTION.
- B. DELEGATED ENGINEER SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
- a. SPRINKLER SYSTEM DRAWINGS, INCLUDING SPRINKLER SYSTEM LAYOUT, NODE IDENTIFICATION AND NODE SPOT ELEVATIONS. b. HYDRAULIC CALCULATIONS AND PIPE SIZES. SIZE PIPING TO PROVIDE
- AN EXCESS RESIDUAL PRESSURE OF 10 PSI AT THE HYDRAULICALLY MOST DEMANDING POINT AT SYSTEM DESIGN FLOW. c. SPRINKLER SYSTEM DESIGN, CALCULATIONS, DETAILED
- WORKSHEETS, WATER SUPPLY CURVE, AND SPRINKLER SYSTEM DEMAND CURVE. d. SPRINKLER HEAD PRODUCT DATA SHEETS WITH SPECIFIC SYSTEM
- COMPONENTS IDENTIFIED. e. ADDITIONAL SPRINKLER SYSTEM SPECIFICATIONS AS REQUIRED FOR
- COMPLIANCE WITH NFPA 13, CHAPTER 27 PLANS AND CALCULATIONS, PRIOR TO AUTOMATIC SPRINKLER SYSTEMS INSTALLATION. ALL NECESSARY COMPONENTS, SYSTEMS MATERIALS, ASSEMBLIES. EQUIPMENT, AND SUPPORT SYSTEMS REQUIRED.
- C. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, AND SPRINKLER HEADS WITH ALL OTHER TRADE SYSTEMS TO AVOID CONFLICTS AND MAINTAIN ARCHITECTURAL ELEMENTS OF THE BUILDING.

BRANCH LINE

1" STEEL PIPE

COUPLING

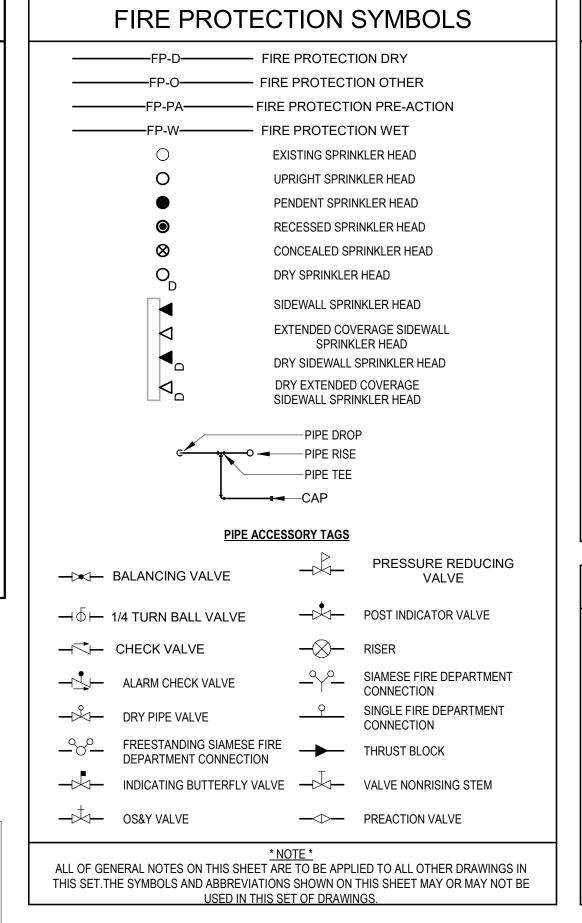
CEILING

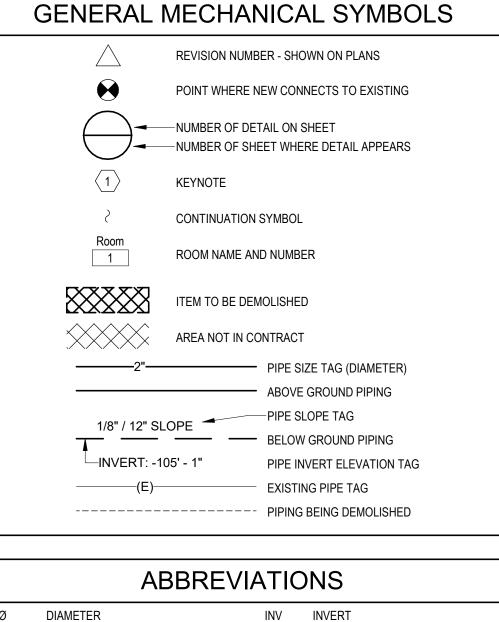
"X1/2" REDUCTING

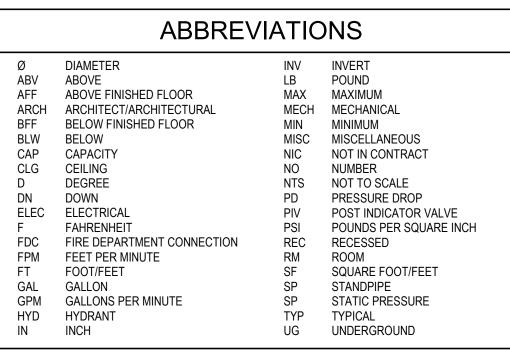
1/32" STEEL ESCUTCHEON

INSTITUTIONAL SPRINKLER

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







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
- 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
- NFPA 70-2020, NATIONAL ELECTRICAL CODE NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR
- CONDITIONING AND VENTING SYSTEMS.
- NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS. PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
- 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 ERRORS 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. PROVIDE 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.

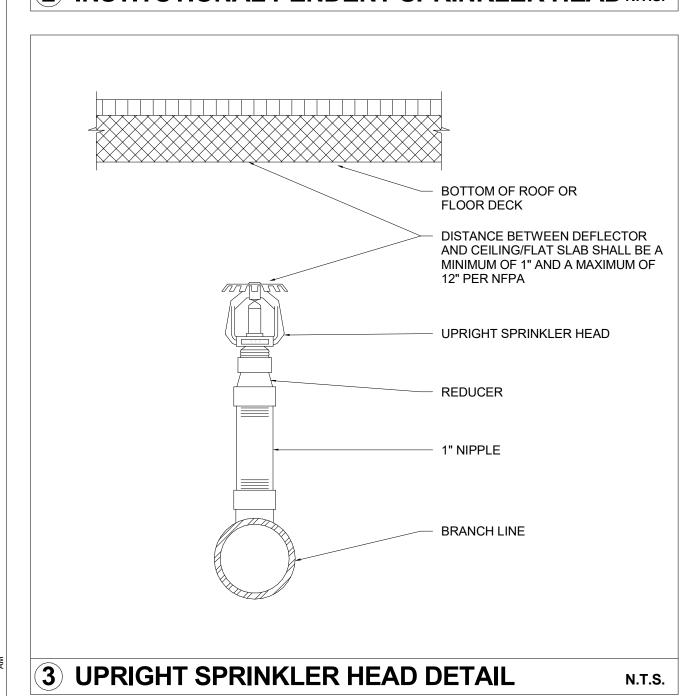
FIRE PROTECTION NOTES

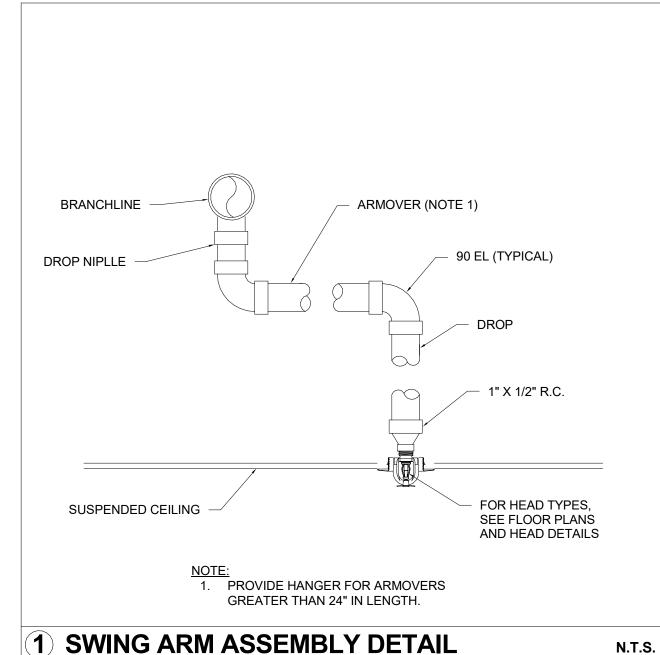
- THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- 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.
- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED
- DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- . 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
- TIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.

- 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
- 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.
- 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.
- SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- . 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.
- THIS DRAWING SET INDICATES A GENERAL PIPING ARRANGEMENT AND SUGGESTED SIZING ONLY. THE FIRE PROTECTION CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- O. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.
- 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.

(2) INSTITUTIONAL PENDENT SPRINKLER HEAD N.T.S.





		FII	RE PRO	OTECTIO	ON SP	RINKLE	R SYS	TEM DE	ESIGN C	RITERIA		
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/FT²	FT²	FT²	FT.	MINUTES	GPM			
	GENERAL, EXCEPT AS LISTED BELOW	LIGHT HAZARD	WET PIPE	0.10	1,500	225	15	30	100	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	GENERAL, EXCEPT AS LISTED BELOW	ORDINARY HAZARD GROUP 1	WET PIPE	0.15	1,500	130	15	60-90	250	INTERMEDIATE	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	GENERAL, EXCEPT AS LISTED BELOW	ORDINARY HAZARD GROUP 2	WET PIPE	0.20	1,500	130	15	60-90	250	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
NOTES:	-	JIREMENTS ARE FOR	R HYDRAULIC	CALCULATION	METHOD II	F OTHER MET	HOD IS USE) ADJUST VAL	UES ACCORDIN	G TO NEPA 13 REOL	JIREMENTS	

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

THE

PROTECTION FIRE **LEGENDS**

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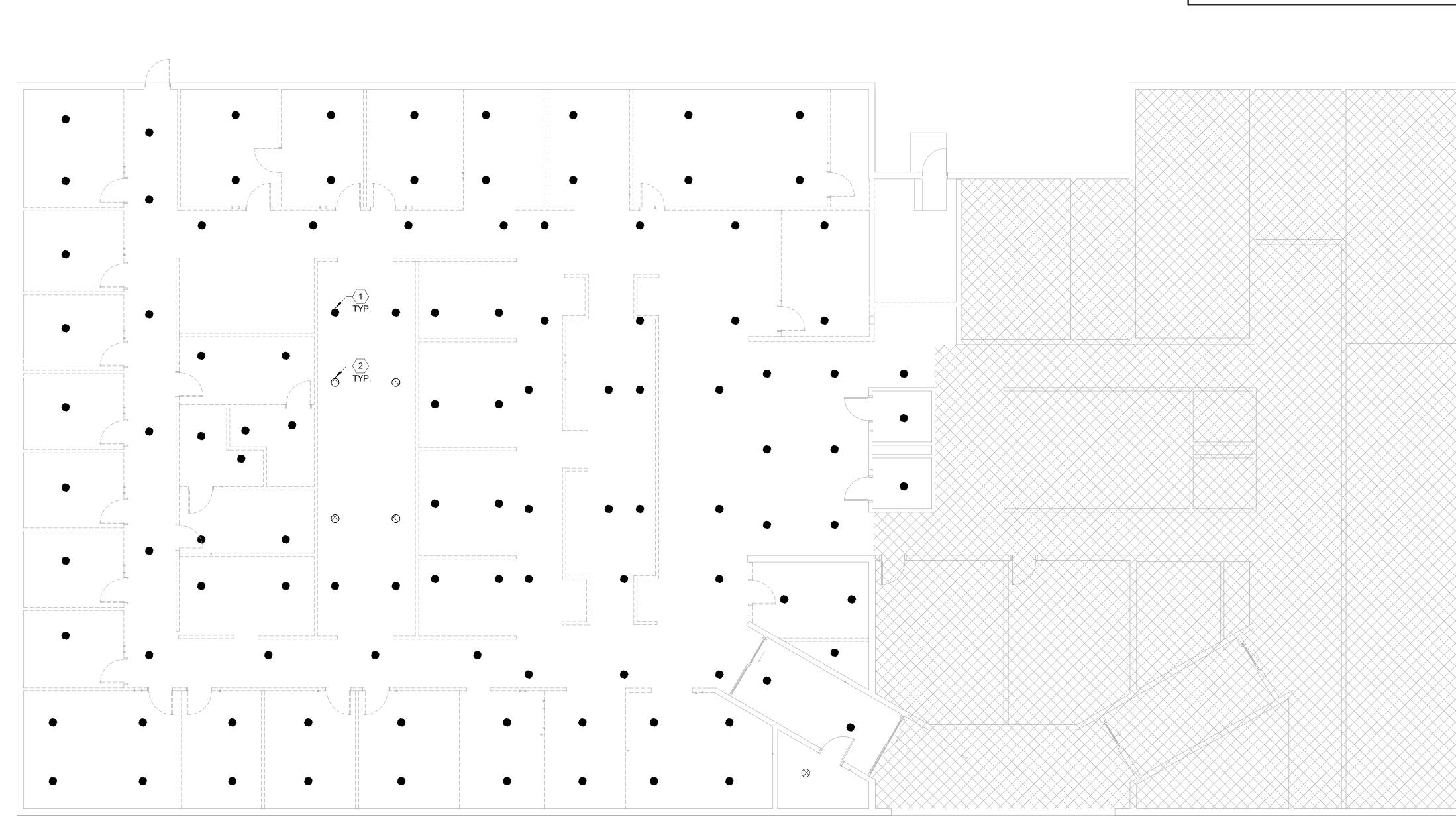
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- REMOVE AND PROPERLY DISPOSE OF ALL UPRIGHT FIRE SPRINKLERS WITHIN
- REMOVE AND PROPERLY DISPOSE OF ALL PENDENT FIRE SPRINKLERS WITHIN
- REMOVE AND PROPERLY DISPOSE OF ALL FIRE PROTECTION PIPING, VALVES, AND ACCESSORIES WITHIN JIA BACK TO SYSTEM RISER. COORDINATE SERVICE INTERRUPTIONS WITH OWNER.

3

- FIRE PROTECTION GENERAL NOTES
- A. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.
- B. 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.
- 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.



FIRE PROTECTION DEMOLITION PLAN

THE GROUP

HEALTH **HCSO MENTAL**

FIRE PROTECTION DEMO

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HAZARD SYMBOL HAZARD CLASSIFICATION LIGHT HAZARD ORDINARY HAZARD GROUP 1 ORDINARY HAZARD GROUP 2 OUT OF SCOPE

FIRE PROTECTION GENERAL NOTES

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

KEYNOTES

1 CONNECT NEW 4" FIRE SPRINKLER MAIN TO EXISTING JIA SYSTEM RISER.



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

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inter address here

VATION PLAN

FIRE PROTECTION RENO

ISSUED FOR DATE
DD - JIA 06.20.24

DRAWN BY: JTD
REVIEW BY: NPS

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F-101

LV LOW VOLTAGE MAX MAXIMUM

MAG.S MAGNETIC STARTER M/C MOMENTARY CONTACT

MC MECHANICAL CONTRACTOR

FAN SWITCH (48" AFF)

INFRARED/ULTRASONIC)

INFRARED/ULTRASONIC)

DAYLIGHT SENSOR

LIGHTING RELAY

WALL MOUNTED OCCUPANCY SENSOR

SWITCH; DUAL TECHNOLOGY (PASSIVE

CEILING MOUNTED OCCUPANCY/VACANCY

SENSOR; DUAL TECHNOLOGY (PASSIVE

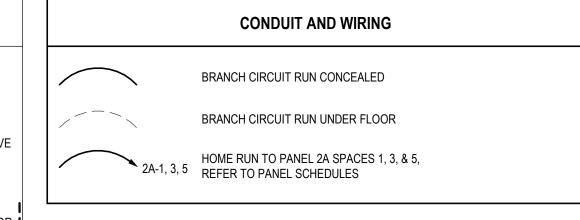
ROOM CONTROLLER (REFER TO PLANS)

(UL924 GENERATOR TRANSFER DEVICE)

TIME CLOCK (REFER TO PLANS)

ZYZ LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED	ERWISE)	CTRICAL SYMBOL LEGEND NTER LINE OF BOX, UNLESS NOTED OTHE	_	(MOUNTING	
PENDAM MOUNTED - TYPE AS SPECIFIED 224 GRITICAL BRANCH EXTURE - RECESSED. 325 SECRIFICATION OF PENDAMT MOUNTED - TYPE AS SPECIFIED 226 SECRIFICATION OF PENDAMT MOUNTED - TYPE AS SPECIFIED 227 CHYTURE - RECESSED, SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 228 CHYTICAL BRANCH EXTURE - RECESSED. 229 CHYTICAL BRANCH EXTURE - RECESSED. 230 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 240 CHYTICAL BRANCH EXTURE - RECESSED. 251 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 252 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 253 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 254 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 255 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 256 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 257 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 258 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 259 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 251 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 252 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 253 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 254 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 255 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 256 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 257 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 258 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 259 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 250 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 251 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 252 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIED 253 SURFACE OR PENDAMT MOUNTED - TYPE AS SPECIFIE	SYMBO	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
DUPLEX RECEPTACLE (18" AFF, LON) SIRPACE, OR PENDANT MOUNTED - TYPE AS SPECIALS SHEFT YEAR MOUNTED TYPE AS SPECIFIED 22 CHTURE - RECESSED, SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 22 CHTURE - RECESSED, SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 23 CHTURE - RECESSED, SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 24 CHTURE - RECESSED, SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 25 CHTURE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 26 CHTURE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 27 CHTURE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 28 CHTURE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 29 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 41 CHTURE - SPECIFIED 42 CHTURE - SPECIFIED 43 CHTURE - SPECIFIED 44 CHTURE - SPECIFIED 45 CHTURE - SPECIFIED 46 CHTURE - SPECIFIED 47 CHTURE - SPECIFIED 48 CHTURE - SPECIFIED 49 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 41 CHTURE - SPECIFIED 42 CHTURE - SPECIFIED 44 CHTURE - SPECIFIED 45 CHTURE - SPECIFIED 46 CHTURE - SPECIFIED 47 CHTURE - SPECIFIED 48 CHTURE - SPECIFIED 49 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 41 CHTURE - SPECIFIED 42 CHTURE - SPECIFIED 43 CHTURE - SPECIFIED 44 CHTURE - SPECIFIED 45 CHTURE - SPECIFIED 46 CHTURE - SPECIFIED 47 CHTURE - SPECIFIED 48 CHTURE - SPECIFIED 49 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 40 CHTURE - SPECIFIED 41 CHTURE - SPECIFIED 42 CHTURE - SPECIFIED 43 CHTURE - SPECIFIED 44 CHTURE - SPECIFIED 55 CHTURE - SPECIFIED 56 CHTURE - SPECIFIED 57 CHTURE - SPECIFIED 58 CHTURE - SPECIFIED 59 CHTURE - SPECIFIED 50 CHTURE - SP	◁	SIMPLEX RECEPTACLE (18" AFF, UON)	\rightarrow	, , ,	
SPECIFIED 22 LIES AMETY BRANCH FIXTURE- RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 22 CENTRUBE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 23 CENTRUBE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 24 CENTRUBE - RECESSED SURFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 25 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 26 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 27 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 28 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 29 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 20 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 20 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 30 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 40 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 41 LICHARDA INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 42 CENTRUBE - TYPE AS SPECIFIED 43 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 44 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 45 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 46 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 47 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 46 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 47 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 48 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 49 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 40 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 40 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 40 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 40 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 41 CENTRUBE - RECESSED SUBFACE OR PENDANT MOUNTED - TYPE AS SPECIFIED 42 CENTRU	7		=	2X4 CRITICAL BRANCH FIXTURE - RECESSED,	
AND LESSAND WARRACH STURES. RECESSED, SURFACE, OF PENDANT MOUNTED. TYPE AS SPECIFIED 22 COUNTER, PECESSED, SURFACE, OR PENDANT MOUNTED. TYPE AS SPECIFIED 23 COUNTER, PECESSED, SURFACE, OR PENDANT MOUNTED. TYPE AS SPECIFIED 24 CRITICAL BRANCH FIXTURE. 25 RECESSED, SURFACE, OR PENDANT MOUNTED. TYPE AS SPECIFIED 35 SPECIFIED 36 CREESSED, SURFACE, OR PENDANT MOUNTED. TYPE AS SPECIFIED 36 ALLES ARETY BRANCH INSTRUBE. 37 SPECIFIED 38 SPECIFIED 39 DUBLE DUPLEX RECEPTACLE (18" AFF, UON) 39 DUPLEX RECEPTACLE COMBINATION 30 TOP AND BOTTOM SWITCHED OUTLET, AS NOTED ON PLANS. 30 SPECIFIED 30 DUPLEX RECEPTACLE. FLOOR MOUNTED. TYPE AS SPECIFIED 31 MARCH CONTROL TYPE AS SPECIFIED 31 MARCH CONTROL TYPE AS SPECIFIED 41 LINEAR INDUSTRIAL STRIP FIXTURE. TYPE 42 SPECIFIED 43 LINEAR INDUSTRIAL STRIP FIXTURE. TYPE 44 CRITICAL BRANCH LINEAR INDUSTRIAL 31 STRIP FIXTURE. TYPE AS SPECIFIED 45 LIGHTING FIXTURE. PENDANT MOUNTED. 46 CREESSED CAN LIGHT. TYPE AS SPECIFIED 47 CRETICAL BRANCH LIGHTING FIXTURE. 48 CREESSED CAN LIGHT. TYPE AS SPECIFIED 49 DUBLEX RECEPTACLE. CEILING MOUNTED. 40 DUPLEX RECEPTACLE. CEILING MOUNTED. 40 DUPLEX RECEPTACLE. CEILING MOUNTED. 41 LIFE SAFETY BRANCH LINEAR INDUSTRIAL 42 STRIP FIXTURE. TYPE AS SPECIFIED 44 CRETICAL BRANCH LINEAR INDUSTRIAL 45 STRIP FIXTURE. TYPE AS SPECIFIED 45 CRETICAL BRANCH LIGHTING FIXTURE. 46 DUBLE DUPLEX RECEPTACLE (18" AFF TO CENTER. 47 AD SPECIFIED 46 DUPLEX RECEPTACLE - CEILING MOUNTED. 47 CRETICAL BRANCH LINEAR INDUSTRIAL 48 CRETICAL BRANCH LINEAR INDUSTRIAL 49 DUPLEX RECEPTACLE - CEILING MOUNTED. 40 DUPLEX RECEPTACLE - CEILING MOUNTED. 41 LIFE SAFETY BRANCH LINEAR INDUSTRIAL 41 STRIP FIXTURE. TYPE AS SPECIFIED 42 CRITICAL BRANCH LINEAR INDUSTRIAL 43 STRIP FIXTURE. TYPE AS SPECIFIED 44 CRETICAL BRANCH LINEAR INDUSTRIAL 45 STRIP FIXTURE. PENDANT MOUNTED. 46 DUBLE DUPLEX RECEPTACLE (18" AFF TO CENTER. 46 CRETICAL BRANCH LINEAR INDUSTRIAL 47 STRIP FIXTURE. 48 CRETICAL BRANCH LINEAR INDUSTRIAL 49 DUBLE DUPLEX RECEPTACLE (18" AFF TO	74		=		
2V2 FIXTURE. PECESSED. SURFACE OR PENDANT MOUNTED. TYPE AS SPECIFIED 2V2 ORTICAL BRANCH FIXTURE. RECESSED. SURFACE, OR PENDANT MOUNTED. TYPE AS SPECIFIED 1V4 FROM THE PROBLEM FOR THE AS SPECIFIED 1V5 FROM THE PROBLEM FOR THE	$\triangle_{\rm c}$	DOUBLE DUPLEX RECEPTACLE (18" AFF,	#	RECESSED, SURFACE, OR PENDANT	
SUPLACE OR PERDANT MOUNTED - TYPE AS SPECIFIED 22 LEF SAFETY BRANCH FIXTURE - RECESSED. SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 124 FIXTURE - RECESSED. SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 125 SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 126 AND SUPLEX RECEPTACLE COMBINATION 127 CARRIED SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 127 LIFE SAFETY BRANCH FIXTURE - RECESSED. SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 128 CARRIED SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 14 CARRIED SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 15 CARRIED SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 16 CARRIED SURFACE, TYPE AS SPECIFIED 17 CARRIED SURFACE, TYPE AS SPECIFIED 18 CARRIED SURFACE	abla	DOUBLE DUPLEX RECEPTACE 6" ABOVE	- ₩		
TOP AND BOTTOM SWITCHED OUTLET, AS NOTED ON PLANS SPECIFIED 134 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 134 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 134 CRITICAL BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 134 CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 14 CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 15 RECESSED CAN LIGHT - TYPE AS SPECIFIED 16 RECESSED CAN LIGHT - TYPE AS SPECIFIED 17 RECESSED CAN LIGHT - TYPE AS SPECIFIED 18 RECESSED CAN LIGHT - TYPE AS SPECIFIED 19 RECESSED CAN LIGHT - TYPE AS SPECIFIED 10 RECESSED CAN LIGHT - TYPE AS SPECIFIED 10 RECESSED CAN LIGHT - TYPE AS SPECIFIED 11 LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED 12 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 19 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 20 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 21 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 22 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 23 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 24 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 25 SPECIFIED 26 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 26 CRITICAL BRANCH LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 27 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 28 SPECIFIED 29 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - TYPE AS SPECIFIED 20 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - TYPE AS SPECIFIED 20 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - TYPE AS SPECIFIED 29 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - TYPE AS SPECIFIED 20 CRITICAL BRANCH WALL SCONCE LIGHTING WITH JOP TAKEN THE SPECIFIED WOLLD NOT THE STRIP THE SECOND THROUGH THE STRIP THE SECOND THROUGH THE STRIP THROUGH THE STRIP THROUGH THE S	 	TOP SWITCHED OUTLET, AS NOTED ON PLANS	=	SURFACE, OR PENDANT MOUNTED - TYPE AS	
134 FINTURE - RECESSED, SURFACE, OR PROMATI MOUNTED - TYPE AS SPECIFIED 134 CRITICAL BRANCH FIXTURE - RECESSED. SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 134 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 135 CRESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 14 CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 15 CRECESSED CAN LIGHT - TYPE AS SPECIFIED 16 CRECESSED CAN LIGHT - TYPE AS SPECIFIED 17 CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 18 CRECESSED CAN LIGHT - TYPE AS SPECIFIED 19 CRECESSED CAN LIGHT - TYPE AS SPECIFIED 10 CRITICAL BRANCH LINEARI MOUNTED - TYPE AS SPECIFIED 10 CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED 10 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED 10 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 11 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 12 CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED 13 CREESSED CAN LIGHT - TYPE AS SPECIFIED 14 CREESSED CAN LIGHT - TYPE AS SPECIFIED 15 CREESSED CAN LIGHT - TYPE AS SPECIFIED 16 CREESSED CAN LIGHT - TYPE AS SPECIFIED 17 CREESSED CAN LIGHT - TYPE AS SPECIFIED 18 CREESSED CAN LIGHT - TYPE AS SPECIFIED 19 CREESSED CAN LIGHT - TYPE AS SPECIFIED 20 CREESSED CAN LIGHT - TYPE AS SPECIFIED 21 CREESSED CAN LIGHT - TYPE AS SPECIFIED 22 CREESSED CAN LIGHT - TYPE AS SPECIFIED 23 CREESSED CAN LIGHT - TYPE AS SPECIFIED 24 CREESSED CAN LIGHT - TYPE AS SPECIFIED 25 CREESSED CAN LIGHT - TYPE AS SPECIFIED 26 CREESSED CAN LIGHT - TYPE AS SPECIFIED 27 CREESSED CAN LIGHT - TYPE AS SPECIFIED 28 CREESSED CAN LIGHT - TYPE AS SPECIFIED 29 CREESSED CAN LIGHT - TYPE AS SPECIFIED 20 CREESSED CAN LIGHT - TYP			=	RECESSED, SURFACE, OR PENDANT	
1X4 CRITICAL BRANCH FIXTURE - RECESSED. SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 1X4 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 4' LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED A' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED C RECESSED CAN LIGHT - TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH MULL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED FIXTURE - P	(\$)	USB RECEPTACLE COMBINATION			
TX4 LIFE SAFETY BRANCH INTURE. RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 4' LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED A' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED RECESSED CAN LIGHT - TYPE AS SPECIFIED CRECESSED CAN LIGHT - TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING UNIT - TYPE AS SPECIFIED CRITICAL BRANCH	HS			1X4 CRITICAL BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS	
# LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED # A' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED # A' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED # RECESSED CAN LIGHT - TYPE AS SPECIFIED # LICHTING FIXTURE - PENDANT MOUNTED- TYPE AS SPECIFIED # LICHTING FIXTURE - PENDANT MOUNTED- TYPE AS SPECIFIED # WALL SCONCE LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED # CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED # WALL SCONCE LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED # CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED # CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH UNITED FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH LIGHTING FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH LIGHTING FIXTURE - TYPE AS SPECIFIED # CRITICAL BRANCH LIGHTING FIXTURE - TYPE AS SPECIFIED # DISCONNECT SWITCH - MOTORISTARTER COMBINATION NEMS ASIZE TO MATCH HP AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMS TYPE 1 U.O.N. DISCONNECT SWITCH - PUSED - # SOLIT LIGHT, WALL MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION # DIVERTMENT STORE AS SPECIFIED # DOWNER PLAYER TO CENTER. 120/240V, 1 PHASE, 3 WIFE PLUS GROUND, 50 # DIVERTMENT STORE THE TYPE AS SPECIFIED # DIVERTMENT STORE THE TYPE A	⊢CR			1X4 LIFE SAFETY BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT	≥0<
AS SPECIFIED 4' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' CRITICAL BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED CRECESSED CAN LIGHT - TYPE AS SPECIFIED DRYER RECEPTACLE, 48' AFF TO CENTER. 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 30 AMPS NEMA 14-30. PRECESSED CAN LIGHT - TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED COMBINATION EMOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED COMBINATION EMISSION AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECT SWITCH - FUSED - PRAMEFUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS SPECIFIED SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. PLANS SPECIFIED SH	DC	DUPLEX RECEPACLE - CEILING MOUNTED			
4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL STRIP FIXTURE - TYPE AS SPECIFIED CRECESSED CAN LIGHT - TYPE AS SPECIFIED RECESSED CAN LIGHT - TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - PENDANT MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED FIXTURE - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE COMBINATION HAS SET TO MATCH HP SHOWN ON PLANS AT THE SPECIFIED COMBINATION HERE SHERWAY DUTY AND NEMA TYPE TU.O.N. DISCONNECT SWITCH - NON-FUSED - FRAMEFUSE/P	ES		.,	AS SPECIFIED	
STRIP FIXTURE - TYPE AS SPECIFIED RECESSED CAN LIGHT - TYPE AS SPECIFIED RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30 OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 CORD. RETRACTABLE CORD REEL WITH DUPLEX RETRACTABLE S.O. CORD. RETRACTABLE S.O. CORD. RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX RETRACTABLE S.O. CORD. RETRACTABLE S.O. C	HK HMD	120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 50	₩.		——
RECESSED CAN LIGHT - TYPE AS SPECIFIED RECESSED CAN LIGHT - TYPE AS SPECIFIED RECESSED CAN LIGHT - TYPE AS SPECIFIED 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 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE CORD REEL WITH DOUBLE DUPLEX NEMA 5-20 RECEPTACLES. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. RETRACTABLE S.O. CORD. RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE CORD REAL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE CORD REAL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' DIPLETION NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. RETRACTABLE SO. CORD. RETRACTABLE	H•	120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 30	€_		
RECESSED CAN LIGHT - TYPE AS SPECIFIED LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED WALL SCONCE LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SPECIFIED COMBINATION EXAMINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SPECIFIED COMBINATION EXAMINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXTRACTOR TO MATCH THE AS NOTED ON PLANS, ALL DI		RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30'		RECESSED CAN LIGHT - TYPE AS SPECIFIED	0
LIGHTING FIXTURE - PENDANT MOUNTED- TYPE AS SPECIFIED CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED TO SUMMER THE SPECIFIED TO SOLVE TWO WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS POWER POLE (OPEN OFFICE STYLE) AS NOTED ON PLANS (18" AFF, UON) DISCONNECT SWITCH - MOTOR FRAME TYPE SHOWN ON PLANS AT THE SPECIFIED TO SOLVE THE SHOWN ON PLANS (18" AFF, UON) DISCONNECT SWITCH - MOTOR SIZE TO MATCH HP SHOWN ON PLANS (18" AFF, UON) DISCONNECT SWITCH - MOTOR FRAME FUSEPOLES IN MA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. RELAY TO SOLVE THE SPECIFIED TO SOLVE THE SHOWN ON PLANS (18" AFF, UON) SEXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER TRANSFORMER	N	RETRACTABLE CORD REEL WITH DOUBLE		RECESSED CAN LIGHT - TYPE AS SPECIFIED	•
CRITICAL BRANCH LIGHTING FIXTURE - PENDANT MOUNTED - TYPE AS SPECIFIED WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED COMBINATION EXIT SIGN & SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED TOTAL MALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION AS NOTED ON PLANS AT THE SPECIFIED DISCONNECT SWITCH - NON-FUSED - FRAME/FUSEIPOLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. RE RELAY FOR THE MOTE OF THE MOTE OF TRACTIONAL HORSEPOWER MOTORS POWER POLE (OPEN OFFICE STYLE) MOTOR CONNECTION - HORSE POWER AS NOTED TRANSFORMER TRANSFORMER			⊢ €)		•
WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXIT LIGHT, CEILING-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER	B	AS NOTED ON PLANS (18" AFF, UON)	•		•
CRITICAL BRANCH WALL SCONCE LIGHTING FIXTURE - SURFACE MOUNTED - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXIT LIGHT, CEILING-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER		SHOWN ON PLANS AT THE SPECIFIED	Á		79
EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED EXTERIOR POLE MOUNTED FIXTURE - TYPE AS SPECIFIED DISCONNECT SWITCH - FUSED - RAMS, ALL DISCONNECTS SHALL BE HEAVY DUTY AND NEMA TYPE 1 U.O.N. RELAY FOR PUSH BUTTON JUNCTION BOX MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS POWER POLE (OPEN OFFICE STYLE) AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER TRANSFORMER	S	FRAME/FUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE	₫ _{30/2/3R}	FIXTURE - SURFACE MOUNTED - TYPE AS	₽ •
EXTERIOR POST TOP MOUNTED FIXTURE - TYPE AS SPECIFIED RELAY SELF CONTAINED EMERGENCY LIGHTING UNIT - TYPE AS SPECIFIED WOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS POWER POLE (OPEN OFFICE STYLE) MOTOR CONNECTION - HORSE POWER AS NOTED EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER TRANSFORMER	D	DISCONNECT SWITCH - FUSED - 3RFRAME/FUSE/POLES/NEMA AS NOTED ON	= 30/15/2/3	EXTERIOR POLE MOUNTED FIXTURE - TYPE	5
UNIT - TYPE AS SPECIFIED UNIT - TYPE AS SPECIFIED JUNCTION BOX MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS EXIT LIGHT, CEILING-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TOURISMS JUNCTION BOX MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL HORSEPOWER MOTORS POWER POLE (OPEN OFFICE STYLE) MOTOR CONNECTION - HORSE POWER AS NOTED TRANSFORMER	ND	HEAVY DUTY AND NEMA TYPE 1 U.O.N.			X
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AND ARROWS INDICATE FACES AND DIRECTION EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION TRANSFORMER POWER POLE (OPEN OFFICE STILE) MOTOR CONNECTION - HORSE POWER AS NOTED TRANSFORMER		OVERLOADS FOR FRACTIONAL			V
EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION NOTED TRANSFORMER		,	_	AND ARROWS INDICATE FACES AND	•
		NOTED		EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND	₽ ₽
4-WAY SWITCHES (48" AFF)				SINGLE-POLE, LOW VOLTAGE, 3-WAY AND	\$ ^{LV} \$ ³ \$ ⁴
\$D LOCAL WALL DIMMER SWITCH (48" AFF)				, ,	\$ ^D

EI EC	TRICAL SYMBOL LEGEND		
	TRICAL STMBOL LEGEND ITER LINE OF BOX, UNLESS NOTED OT	HERWISE)	
SYMBOL	DESCRIPTION	<u>SYMBOL</u>	DESCRIPTION
\rightarrow	SIMPLEX RECEPTACLE (18" AFF, UON)	◁	
\Rightarrow	DUPLEX RECEPTACLE (18" AFF, UON)	·	DATA OUTLET (18" AFF U.O.N.)
⊕	DUPLEX RECEPTACE 6" ABOVE COUNTER BACKSPLASH OR 48" AFF	4	ABOVE COUNTER DATA OUTLET (6" ABOV COUNTER BACKSPASH OR 48" AFF)
#	DOUBLE DUPLEX RECEPTACLE (18" AFF,	$\triangle_{\rm c}$	DATA OUTLET - CEILING MOUNTED
- ⊕	DOUBLE DUPLEX RECEPTACE 6" ABOVE COUNTER BACKSPLASH OR 48" AFF	abla	DATA OUTLET - RECESSED FLOOR BOX O POKE THRU
=	TOP SWITCHED OUTLET, AS NOTED ON PLAN	⊬ ∐ JS	CABLE TV OUTLET (18" AFF U.O.N.); PROVIDE 1 F-TYPE CONNECTOR
⇒	TOP AND BOTTOM SWITCHED OUTLET, AS NOTED ON PLANS		COMMUNICATION CABLE TRAY MOUNTED ABOVE SUSPENDED CEILING - SIZE AS NOTED ON PLANS
	USB RECEPTACLE COMBINATION	(S)	8" CEILING MOUNTED PAGING SPEAKER; PROVIDED WITH BAFFLE, GRILLE AND MATCHING TRANSFORMER
	DUPLEX RECEPACLE - FLOOR MOUNTED DOUBLE DUPLEX RECEPACLE - FLOOR	HS	8" WALL MOUNTED PAGING SPEAKER; PROVIDED WITH BAFFLE, GRILLE AND MATCHING TRANSFORMER
Ф	MOUNTED DUPLEX RECEPACLE - CEILING MOUNTED	HCR	CARD READER. FLUSHED MOUNTED AT 42 AFF.
		DC	DOOR CONTACT
+	DOUBLE DUPLEX RECEPACLE - CEILING MOUNTED	ES	ELECTRIC DOOR STRIKE
	RANGE RECEPTACLE, 4" AFF TO CENTER. 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 50		KEY PAD
	AMPS NEMA 14-50.	⊢MD	MOTION DETECTOR
	DRYER RECEPTACLE, 48" AFF TO CENTER. 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 30 AMPS NEMA 14-30.	H ●) □⊠	PUSH PLATE
	RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD.		CCTV CAMERA - FIXED CCTV CAMERA - PAN, TILT, ZOOM
	RETRACTABLE CORD REEL WITH DOUBLE DUPLEX NEMA 5-20 RECEPTACLES. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD.	N	NURSE STATION (46" AFF U.O.N.)
$\vdash \bigcirc$	SPECIAL PURPOSE RECEPTACLE, NEMA TYP AS NOTED ON PLANS (18" AFF, UON)	E C	CODE BLUE STATION (46" AFF U.O.N.)
Á	DISCONNECT SWITCH - MOTOR/STARTER COMBINATION NEMA SIZE TO MATCH HP	B	BED NURSE CALL (46" AFF U.O.N.)
	SHOWN ON PLANS AT THE SPECIFIED VOLTAGE, HEAVY DUTY	<t <s="" th="" ="" <=""><td>TOILET NURSE CALL (46" AFF U.O.N.)</td></t>	TOILET NURSE CALL (46" AFF U.O.N.)
₫ _{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.		SHOWER NURSE CALL (46" AFF U.O.N.) DOCTOR DICTATION (46" AFF U.O.N.)
5 30/15/2/3	DISCONNECT SWITCH - FUSED - RFRAME/FUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE	D	DOCTOR PAGE (46" AFF U.O.N.)
	HEAVY DUTY AND NEMA TYPE 1 U.O.N.	ND	DUTY STATION (46" AFF U.O.N.)
R	RELAY		NURSE CALL MASTER
\vdash	PUSH BUTTON	•	NURSE CALL DOME LIGHT (CEILING)
①	JUNCTION BOX	◆ Z	NURSE CALL ZONE LIGHT (CEILING)
_M \$	MOTOR RATED SWITCH WITH THERMAL OVERLOADS FOR FRACTIONAL	1221	NURSE CALL TERMINAL CABINET



F	MANUAL PULL STATION (46" AFF)
Sp	BELL/STROBE LIGHT COMBINATION (80" AFF)
S	STROBE LIGHT (80" AFF)
$H \triangleleft$	HORN (80" AFF)
H◀	HORN/STROBE LIGHT COMBINATION (80" AFF)
$M \triangleleft$	MINI HORN (80" AFF)
□®	PROGRAM BELL (80 AFF)
CO	CHIME/FLASH COMBINATION (80" AFF)
	SPEAKER (80" AFF)
∞	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
HP HD	HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED
HE SH	COMBINATION SMOKE/HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED
H3 (D)	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

 NEW WORK SCOPE OF WORK
 EXISTING SCOPE OF WORK
 DEMOLITION SCOPE OF WORK

LINE TYPES

	ELECTRICAL SHEET LIST			
Sheet Number	Sheet Name			
E-001	ELECTRICAL LEGENDS & ABBREVIATIONS			
E-101	FLOOR LIGHTING PLAN			
E-102	FLOOR POWER PLAN			
E-501	ELECTRICAL DETAILS			
FD-101	PARTIAL FLOOR PLAN - FLECTRICAL DEMOLITION			

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, 8TH EDITION (2023) D. NFPA 101-2018, 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,
- 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.

CONDUCTORS INSULATION SHALL BE DUAL RATED AT THHN/THWN.

- 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.
- 4. 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
- 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
- 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 7TH EDITION (2020) - 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 7TH EDITION (2020) - 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.

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ABBREVIATIONS LEGEND

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

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.
- NO WORK REQUIRED WITHIN HATCHED AREAS. ALL POWER AND SPECIAL SYSTEM DEVICES. CIRCUITING AND ASSOCIATED WIRING SHALL BE EXISTING TO REMAIN.
- 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.
- CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
- 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
- AREAS UNLESS NOTED OTHERWISE. MAINTAIN EXISTING BREAKERS AND LABEL AS SPARE IN PANELBOARD INDEX. 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. SHOWN. PROVIDE CIRCUIT EXTENSIONS, CONDUIT, WIRE, ETC. AS REQUIRED FOR COMPLETE SYSTEM CONTINUITY ALL ABANDONED OR UNUSED, WIRE, CABLING, CONDUIT, ETC SHALL BE REMOVED TO ORIGIN.

KEY NOTES

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

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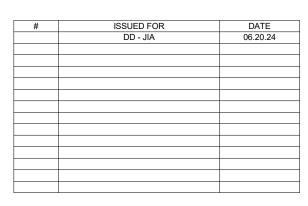
- PHASE

DEMOLTION

LECTRICAL

PARTIAL FLOOR PLAN

HEALTH MENTAL **HCSO**



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1 Floor Lighting Plan 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.
- 5. ALL EXIT LIGHTS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO UNSWITCHED LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT.
- 3. ALL LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. CONTRACTOR SHALL PROVIDE QUANTITY OF SENSORS REQUIRED WITH PROPER COVERAGE PATTERN TO ACHIEVE REQUIRED LIGHTING CONTROL WITHIN THE SPACE.
- 11. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE CONTROLS MANUFACTURER'S REPRESENTATIVE SHOWING LAYOUT, QUANTITY, COVERAGE PATTERNS, AND WIRING DIAGRAM OF COMPLETE SYSTEM.
- 12. FOR CLARITY, ONLY VACANCY (VS) OR OCCUPANCY (OC) ARE SHOWN IN SPACES REQUIRING THAT MODE OF CONTROL.
- 13. PROVIDE LOW VOLTAGE OVERRIDE DIMMING SWITCHES IN ALL SPACES
 REQUIRING VACANCY/OCCUPANCY SENSORS WITH CONTROL FUNCTION AS
- 14. PROVIDE ROOM CONTROLLERS AS REQUIRED TO INTERFACE ALL LIGHTS, SWITCHES, SENSORS, ETC. IN ALL SPACES SHOWN TO RECEIVE AUTOMATIC LIGHTING CONTROLS.
- 15. EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ON/TIME CLOCK OFF. PROVIDE TIME CLOCK FOR CONTROLS. COORDINATE TIME OF DAY SCHEDULING WITH STATION REPRESENTATIVE.
- 16. LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE NON-NETWORKED SYSTEM AS MANUFACTURED BY ACUITY. ALTERNATE APPROVED MANUFACTURERS ARE GREENGATE, WATTSTOPPER, AND HUBBELL.

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HATCHED AREA NOT IN SCOPE.

OUTLINED.



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HCSO MENTAL HEALTH

ISSUED FOR DATE
DD - JIA 06.20.24

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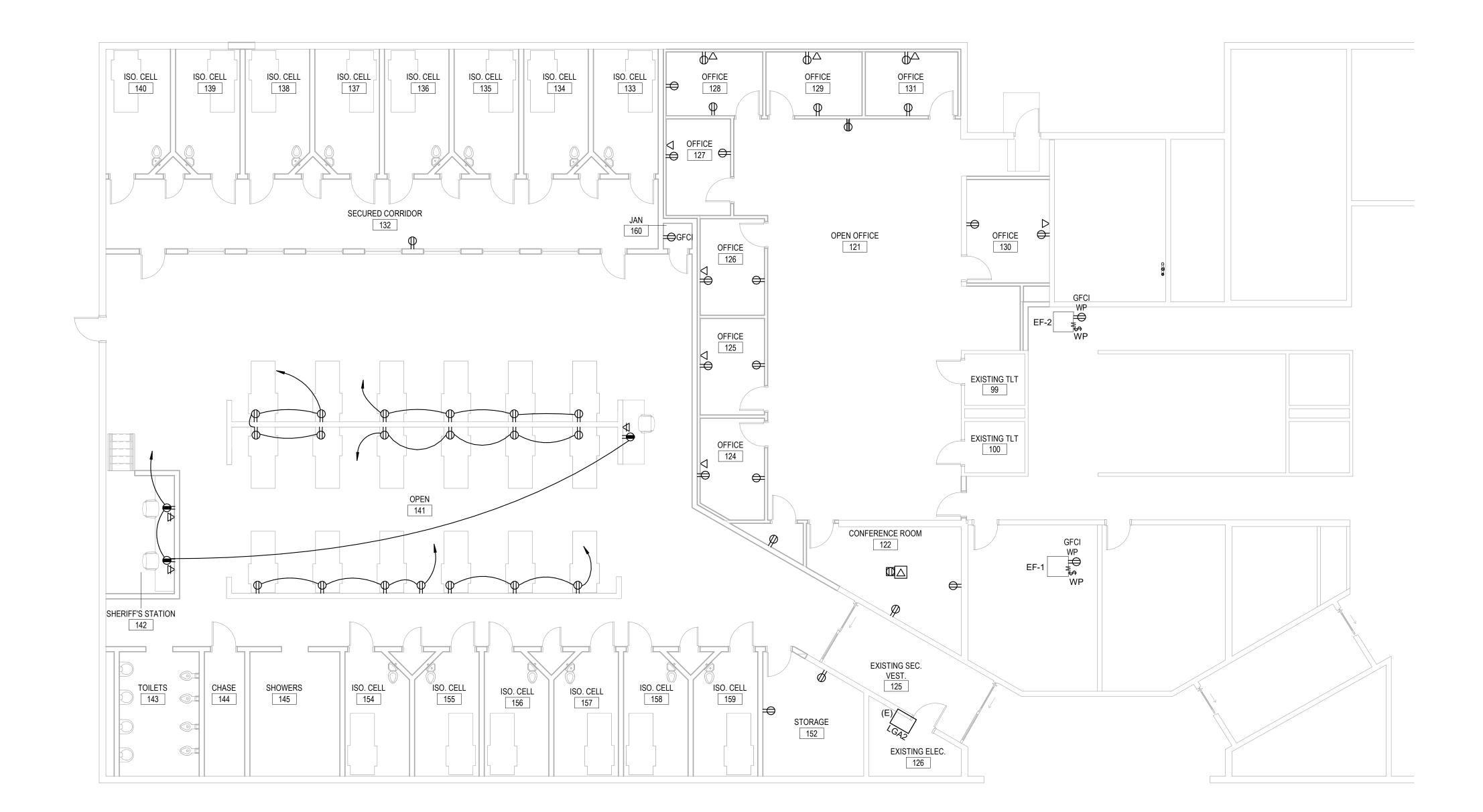
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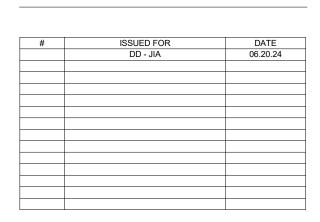
GENERAL NOTES

- 1. 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 VERIFY POWER AND CONNECTION REQUIRMENTS FOR ALL CATERING EQUIPMENT PRIOR TO INSTALLATION, VERFIY ALL DEVICE LOCATION AND MOUNTING HEIGHT. MAKE ADJUSTMENT IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED.





HCSO MENTAL HEALTH CLINIC



OWER - PHASE

PARTIAL FLOOR PLAN

DRAWN BY: Author
REVIEW BY: Checker

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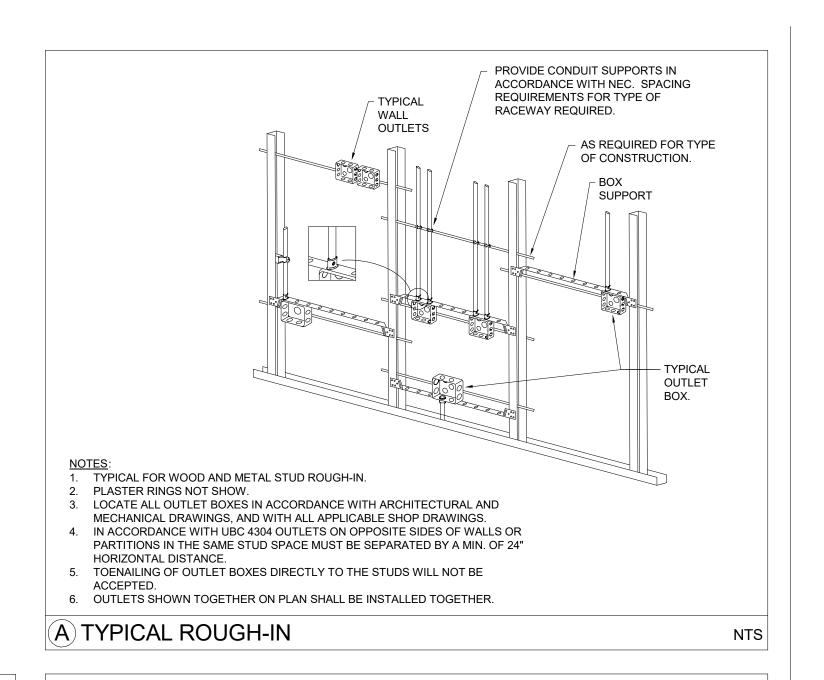
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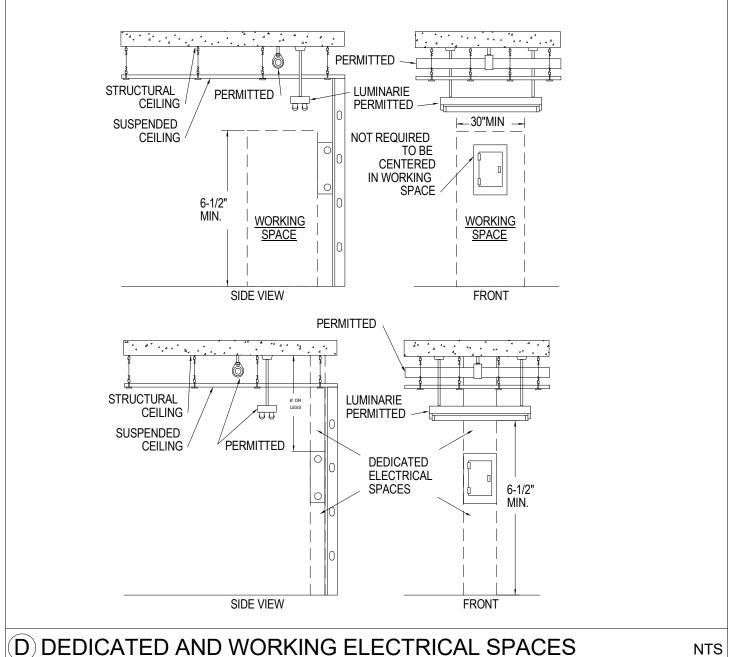
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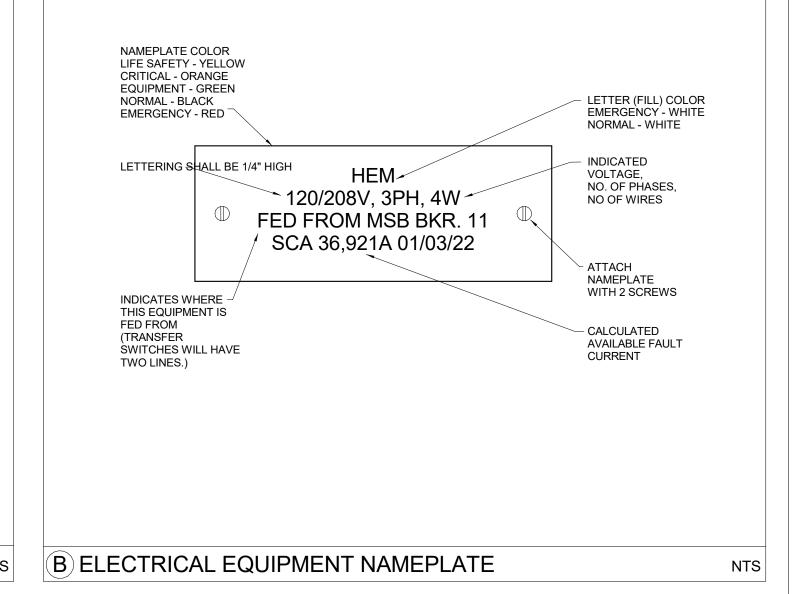
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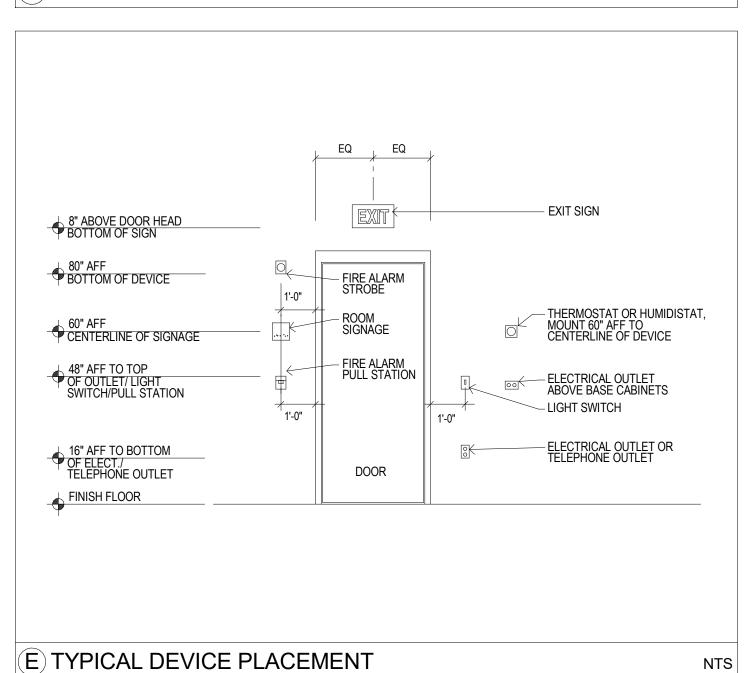
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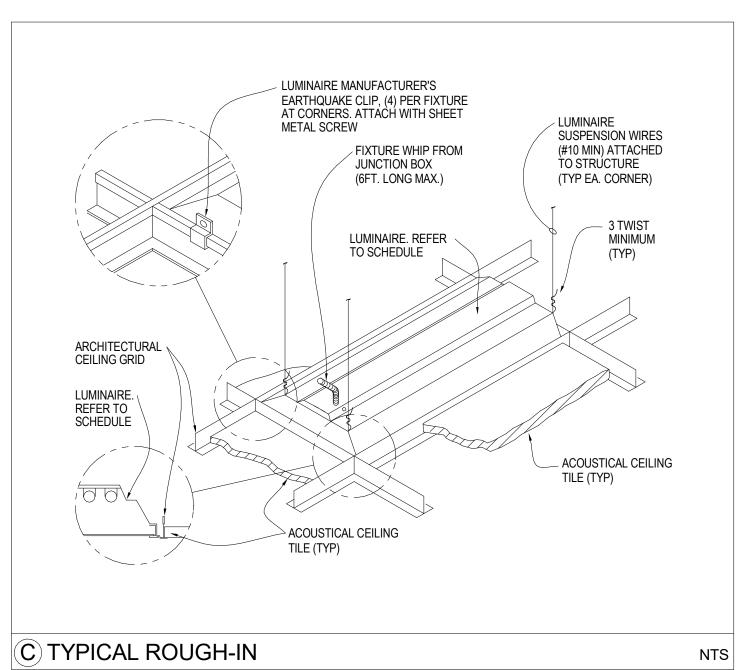
Floor Power Plan
1/8" = 1'-0"











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HCSO MENTAL HEALTH CLINIC

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ELECTRICAL DETAILS

ISSUED FOR DATE
DD - JIA 06.20.24

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