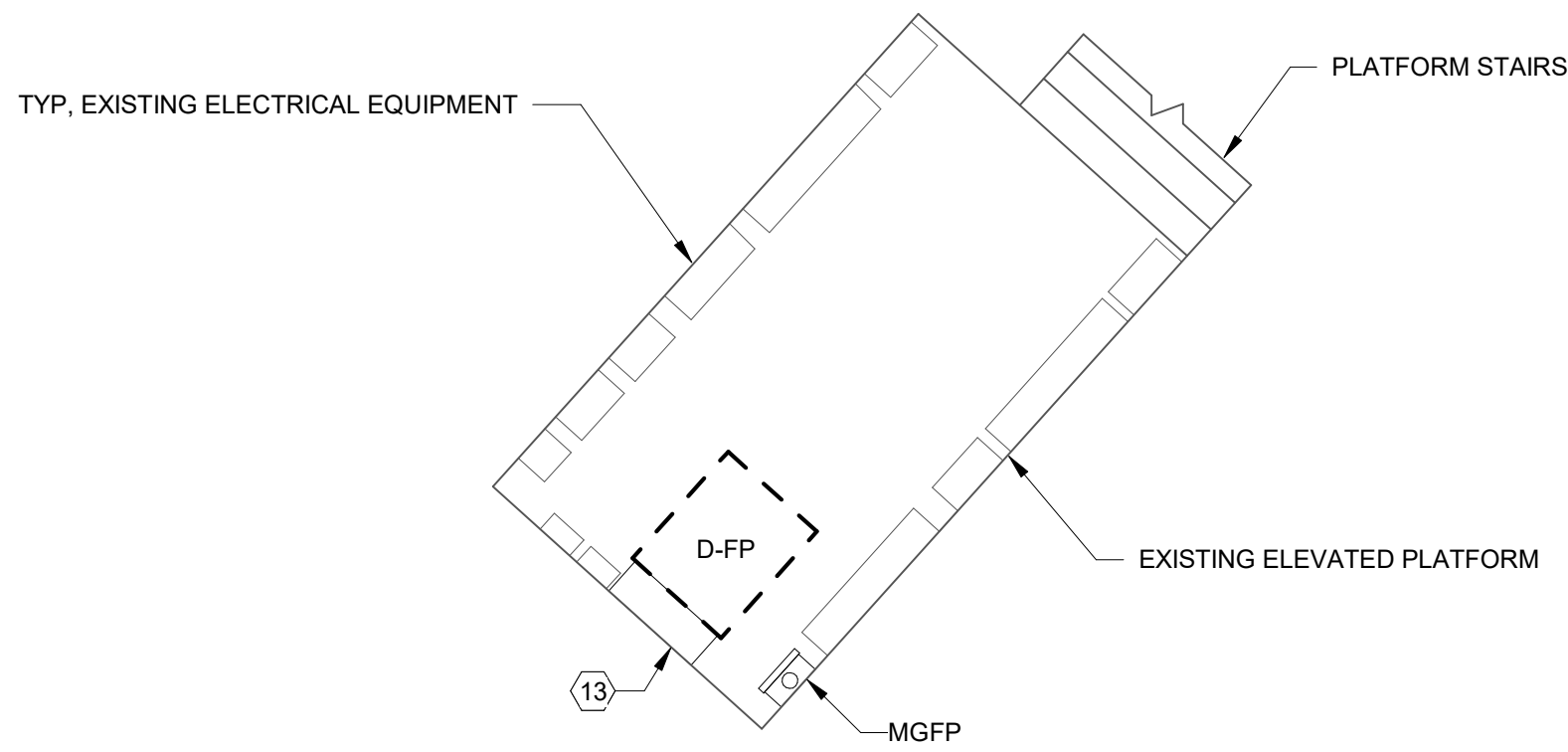
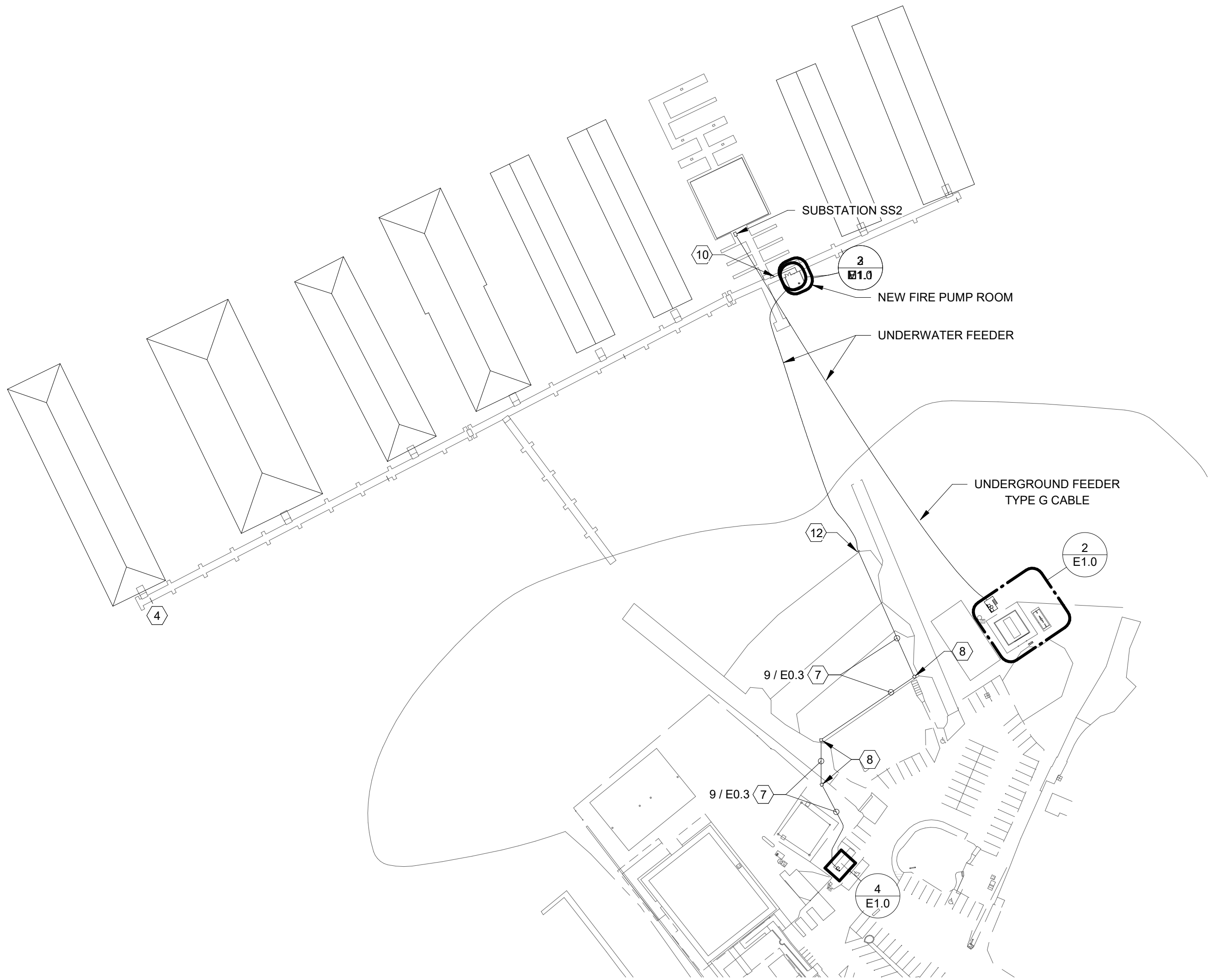
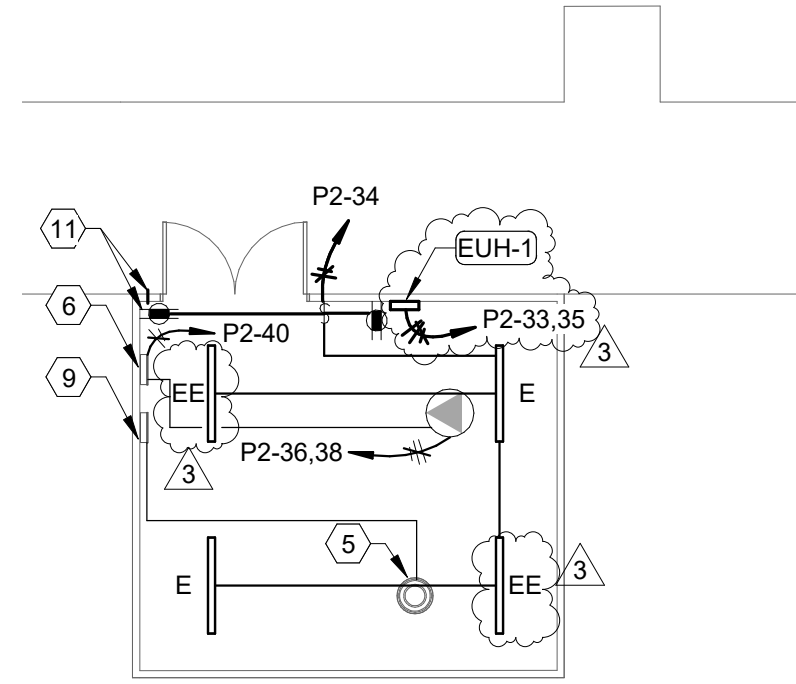




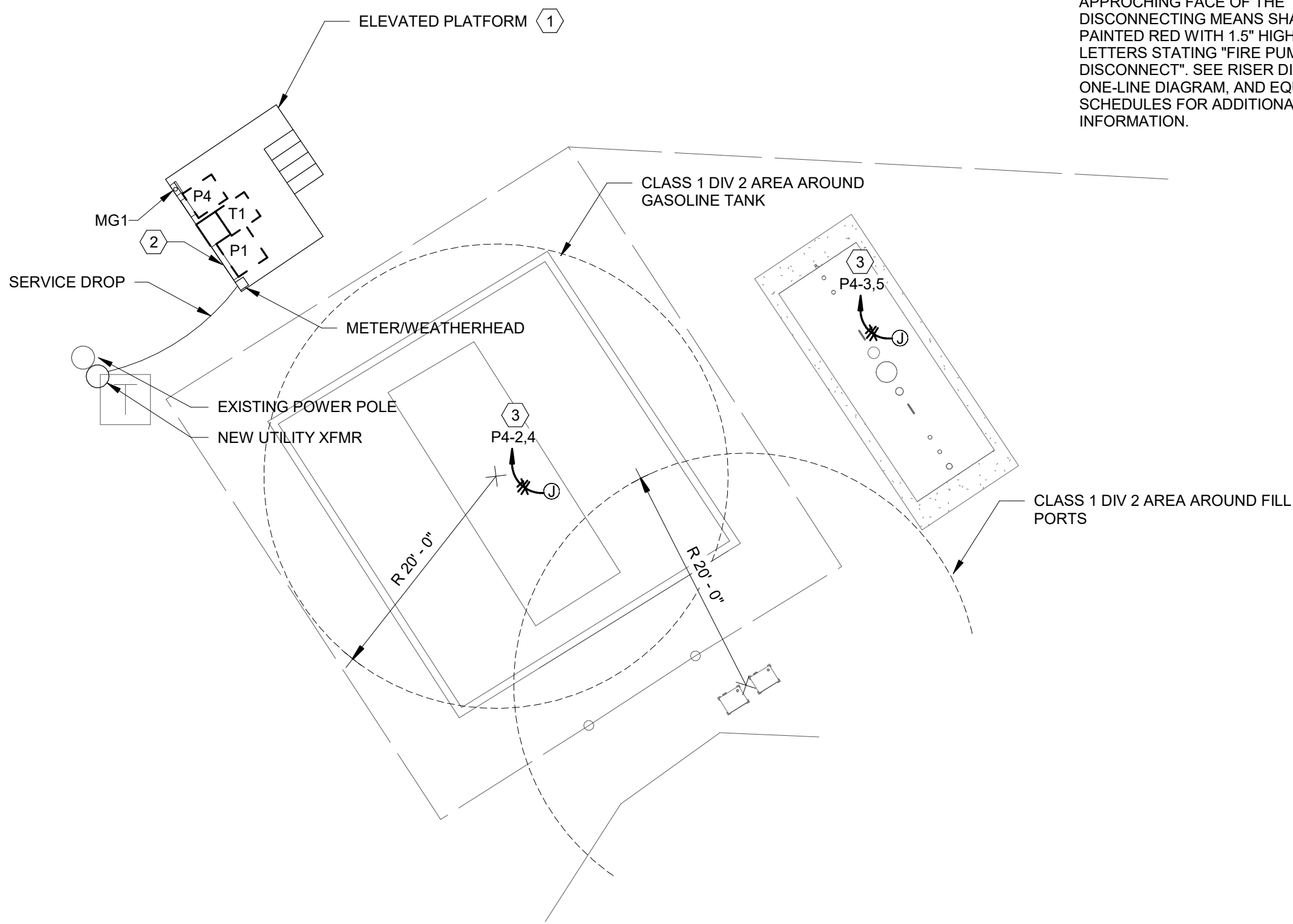
4 ENLARGED ELECTRICAL PLATFORM
E1.0 SCALE: 1/4" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



1 ELECTRICAL SITE PLAN
E1.0 SCALE: 1" = 100'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



3 FIRE PUMP ROOM POWER PLAN
E1.0 SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



2 ENLARGED ELECTRICAL PLATFORM AND FUEL TANKS
E1.0 SCALE: 1" = 10'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

ELECTRICAL NOTES

NUMBERED NOTES

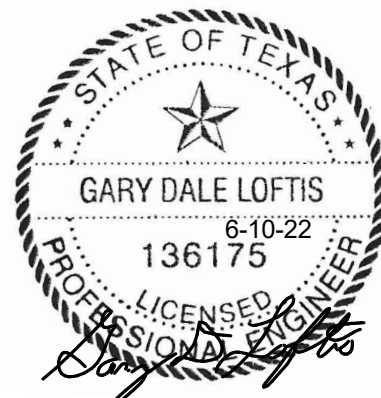
- 1 NEW ELEVATED PLATFORM TO BE LOCATED ABOVE FLOOD PLANE. COORDINATE EXACT LOCATION AND HEIGHT WITH OWNER.
- 2 PROVIDE SERVICE ENTRANCE RATED PANELBOARD.
- 3 240V FEED FOR FUEL TANK.
- 4 EXISTING FIRE PUMP LOCATION. RELOCATE FIRE PUMP TO NEW FIRE PUMP ROOM. REWORK CIRCUIT AS REQUIRED.
- 5 NEW FIRE PUMP LOCATION. REUSE EXISTING CIRCUIT. REWORK AS REQUIRED. COORDINATE WIRINGS OF NEW AUTOMATIC CONTROLLER WITH MANUFACTURER.
- 6 JOCKEY PUMP CONTROLLER. COORDINATE WIRING WITH MANUFACTURER.
- 7 NEW UNDERGROUND FEEDER FOR RELOCATED FIRE PUMP. FEEDER SHALL BE PPC IN PVC BELOW GRADE. COORDINATE EXACT ROUTING WITH EXISTING SITE CONDITIONS AND OWNER. SEE REFERENCED DITCH DETAIL FOR ADDITIONAL INFORMATION.
- 8 INSTALL NEW QUAZITE PULL BOXES FOR NEW UNDERGROUND FEEDER. SIZE BOX PER NFPA 70. COORDINATE EXACT LOCATIONS WITH EXISTING SITE CONDITIONS AND ROUTING OF NEW FEEDER.
- 9 NEW CONTROLLER FOR RELOCATED FIRE PUMP. COORDINATE CONTROL WIRING FOR FIRE PUMP WITH CONTROLLER MANUFACTURER.
- 10 INSTALL HEAT TRACE PIPING FOR WET SYSTEM FROM NEW FIRE PUMP ROOM TO EXISTING SHIP STORE. HEAT TRACE SHALL BE RAYCHEM WINTERGARD H312100 WITH H908 GROUND FAULT ACCESSORY OR APPROVED EQUAL.
- 11 ROUTE 1-1/2" CONDUIT FROM PUBLIC TELEPHONE ENCLOSURE AT BUILDING EXTERIOR TO THE INTERIOR OF THE BUILDING. CONDUIT SHALL BE STUBBED OUT 6" INTO BUILDING INTERIOR AS PRACTICAL. OUTSIDE CONDUIT PENETRATION SHALL BE SEALED AS REQUIRED. COORDINATE WITH LOCATION OF TELEPHONE.
- 12 UNDERGROUND CONDUIT SHALL STUB OUT FROM EXISTING RIP RAP. PPC SHALL RUN ABOVE GRADE AFTER LEAVING CONDUIT.
- 13 FIRE PUMP SHALL HAVE A SEPARATE DISCONNECT INDEPENDENT OF ANY OTHER EQUIPMENT. LOCATE THE FIRE PUMP DISCONNECT ON THE EXISTING ELEVATED PLATFORM ABOVE THE HIGH WATER MARK AND ABOVE THE ELECTRICAL DATUM PLANE. THE APPROCHING FACE OF THE DISCONNECTING MEANS SHALL BE PAINTED RED WITH 1.5" HIGH WHITE LETTERS STATING "FIRE PUMP DISCONNECT". SEE RISER DIAGRAM, ONE-LINE DIAGRAM, AND EQUIPMENT SCHEDULES FOR ADDITIONAL INFORMATION.

SHIP STORE FOR
SAFE HARBOR EMERALD POINT
5973 HILINE ROAD
AUSTIN, TX

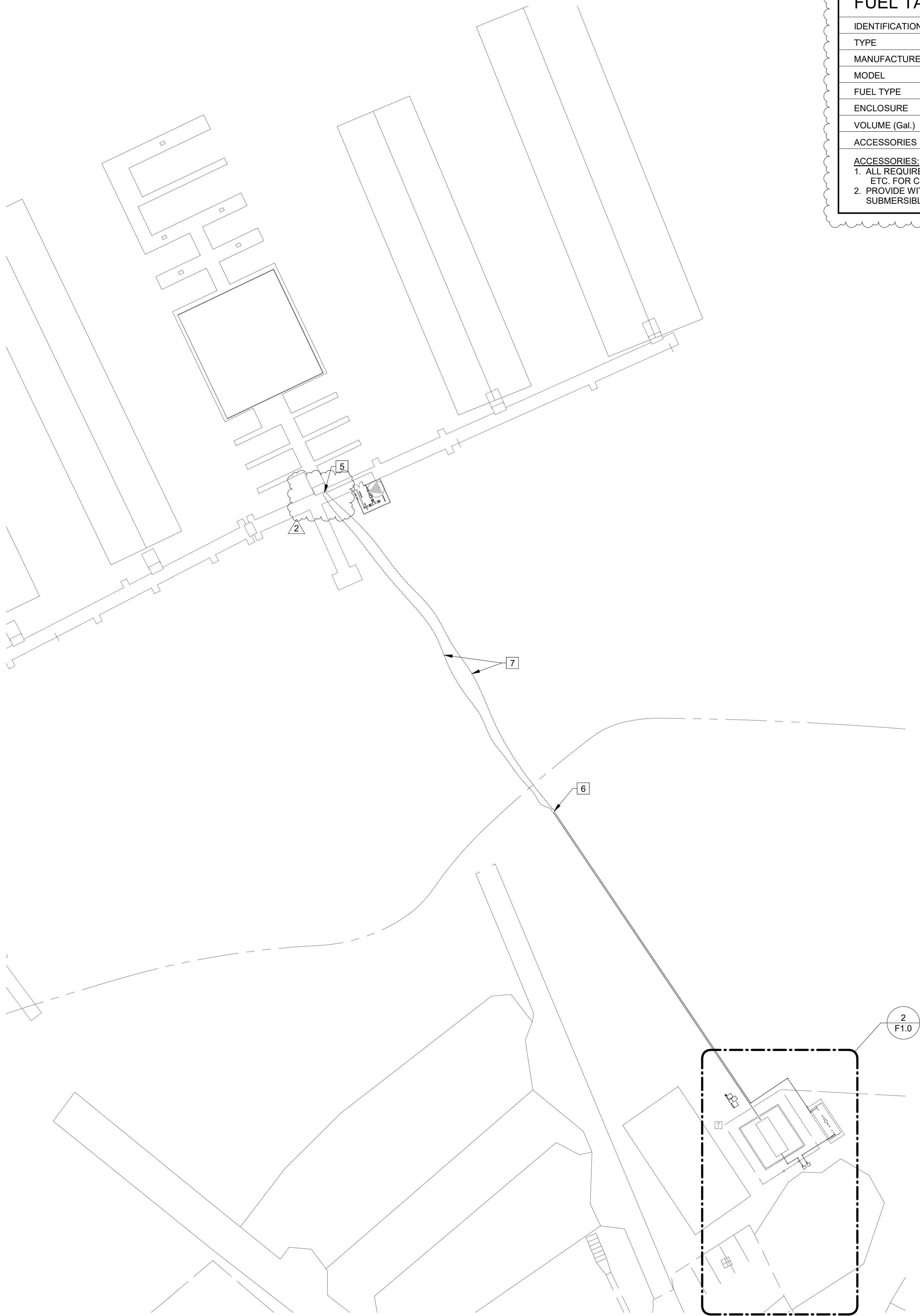


Revisions:	
No.	Description
1	03/09/23 PERMIT RESP
2	04/20/23 PERMIT RESP

E1.0		ELECTRICAL SITE PLAN	
SHEET:		TITLE:	
JOB NO: 21094		DATE: 6-10-22	
DWN BY: A/JG			



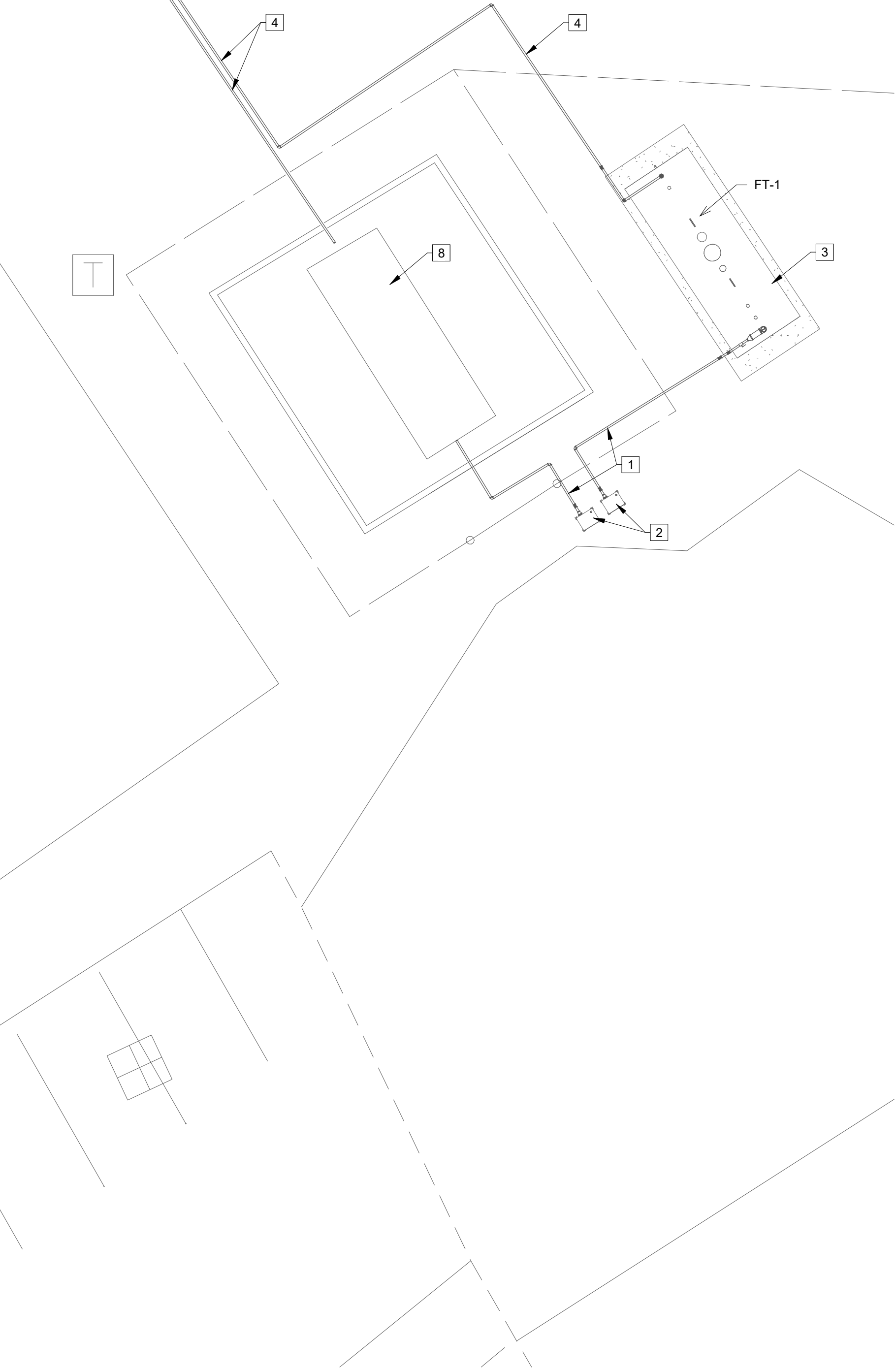
BRANCH PANEL: P1																	
LOCATION: ELEVATED PLATFORM						TYPE: SQUARE D I-LINE						A.I.C. RATING: COORDINATE					
SUPPLY FROM: UTILITY						VOLTS: 240/480 Single						MAINS TYPE: MCB					
MOUNTING: SURFACE						PHASES: 1						MAINS RATING: 225 A					
ENCLOSURE: TYPE 3R						WIRES: 3						MCB RAITING: 225 A (SHUNT TRIP)					
TRIP AMPS	POLES	FEED	NOTES	CIRCUIT DESCRIPTION		CKT	A		B		CKT	CIRCUIT DESCRIPTION		NOTES	FEED	POLES	TRIP AMPS
50 A	2	B50	3	T1		1	0.0 kVA	0.0 kVA			2	T2		3	1G250	2	150 A
--	1		--	Space		3	--	--	0.0 kVA	0.0 kVA	4		--	--		1	--
--	1		--	Space		5			--	--	6	Space	--	--		1	--
--	1		--	Space		7			--	--	8	Space	--	--		1	--
--	1		--	Space		9	--	--			10	Space	--	--		1	--
--	1		--	Space		11			--	--	12	Space	--	--		1	--
Total Load:						0.0 kVA		0.0 kVA									
LOAD CLASSIFICATION					CONNECTED (kVA)		DEMAND FACTOR		EST. DEMAND (kVA)		PANEL TOTALS						
Non-Continuous					0.0 kVA		0.00%		0.0 kVA								
											TOTAL CONN. LOAD (kVA): 0.0 kVA						
											TOTAL EST. DEMAND (kVA): 0.0 kVA						
											TOTAL CONN.: 0 A						
											TOTAL EST. DEMAND: 0 A						
BREAKER NOTES (REFERENCED IN NOTES COLUMN):										CIRCUIT NOTES (REFERENCED IN NOTES COLUMN):							
1. GFCI										A. CONTINUOUS METAL RACEWAY							
2. COMBINATION AFCI																	
3. SHUNT TRIP																	
4. 30mA GFP																	
5. TAP BLOCK																	



1 OVERALL SITE FUEL PLAN
SCALE: 1" = 40'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

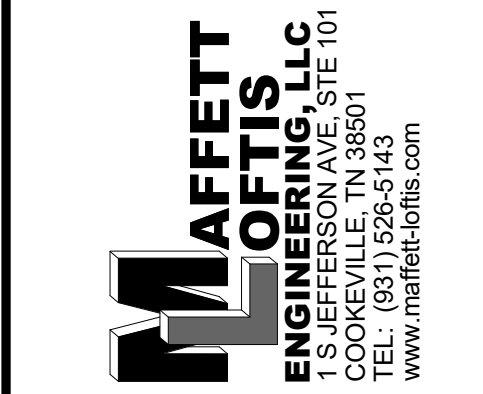
FUEL TANK SCHEDULE	
IDENTIFICATION	FT-1
TYPE	DOUBLE WALL
MANUFACTURER	MODERN WELDING CO.
MODEL	FIREGUARD
FUEL TYPE	DIESEL
ENCLOSURE	UL 2085
VOLUME (Gal.)	8,000
ACCESSORIES	1,2
ACCESSORIES: 1. ALL REQUIRED CONNECTIONS, VENTS, VALVES, CONTROLS, ETC. FOR COMPLETE DIESEL FUEL SYSTEM. 2. PROVIDE WITH A 2 HP REDJACKET (OR EQUAL) SUBMERSIBLE TURBINE PUMP.	

- # FUEL NUMBERED NOTES**
- NUMBERED NOTES
- 1 TANK FILL PIPING FROM ABOVE GROUND CONTAINMENT CABINET.
 - 2 ABOVE GROUND FILLING CONTAINMENT CABINET. COORDINATE LOCATION WITH OWNERS.
 - 3 8,000 gal. ABOVE GROUND DOUBLE WALL DIESEL TANK.
 - 4 ABOVE GROUND FUEL LINE FROM TANK TO ON SHORE TRANSITION BOX.
 - 5 SEE SHEET F1.1 FOR CONTINUATION.
 - 6 ON SHORE TRANSITION BOX WITH SHUT-OFF AND DOUBLE BREAK-AWAY SAFETY VALVES. LOCATE ABOVE HIGH WATER LAKE LEVEL.
 - 7 DOUBLE-WALLED FLEXIBLE FUEL HOSE ROUTED ON LAKE BOTTOM. PROVIDE SANDBAG WEIGHTS AS NEEDED. PROVIDE FUEL LINE FOR LAKE ELEVATION CHANGE.
 - 8 EXISTING ABOVE GROUND GASOLINE TANK.



2 ENLARGED FUEL SITE PLAN
SCALE: 1" = 10'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

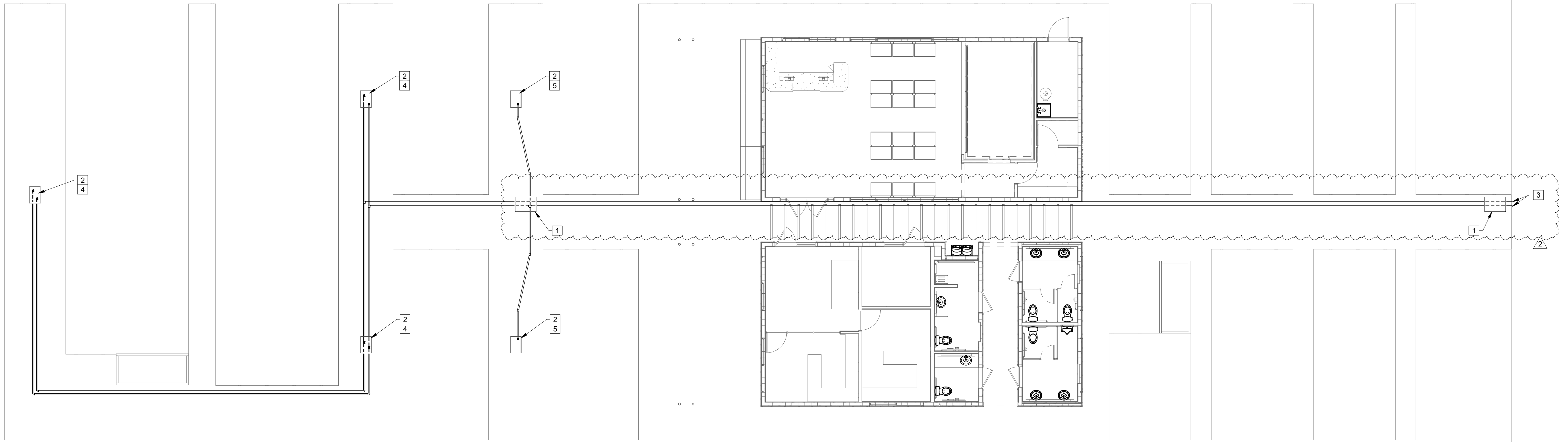
SHIP STORE FOR
SAFE HARBOR EMERALD POINT
5973 HILINE ROAD
AUSTIN, TX



Revisions:	
No.	Description
1	12/30/23 REVISION 1
2	03/09/23 REVISION 2

F1.0	
SHEET:	FUEL SITE PLAN
TITLE:	136175
JOB NO:	21094
DATE:	6-10-22
DWN BY:	WAB





1 FUEL PLAN
SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"x36")



FUEL NUMBERED NOTES

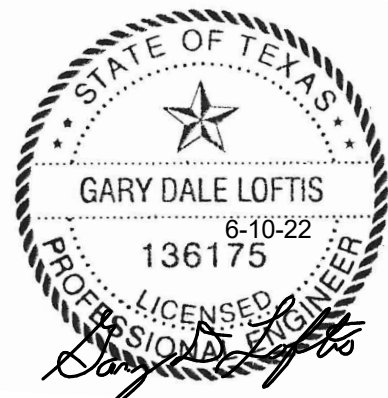
- NUMBERED NOTES
- 1 TRANSITION BOX WITH SHUT-OFF AND DOUBLE BREAK-AWAY SAFETY VAVLES. COORDINATE MOUNTING WITH ALL OTHER TRADES, OWNERS, AND DOCK MANUFACTURER.
 - 2 NEW FUEL DISPENSER WITH TRANSITION BOX BELOW. COORDINATE LOCATION WITH OWNERS AND DOCK MANUFACTURER.
 - 3 SEE SHEET F1.0 FOR CONTINUATION. COORDINATE.
 - 4 NEW GASOLINE/DIESEL DISPENSER - PMC MODEL # CMDR2000 OR EQUAL.
 - 5 NEW GASOLINE DISPENSER - PMC MODEL # CMDR2000 OR EQUAL.

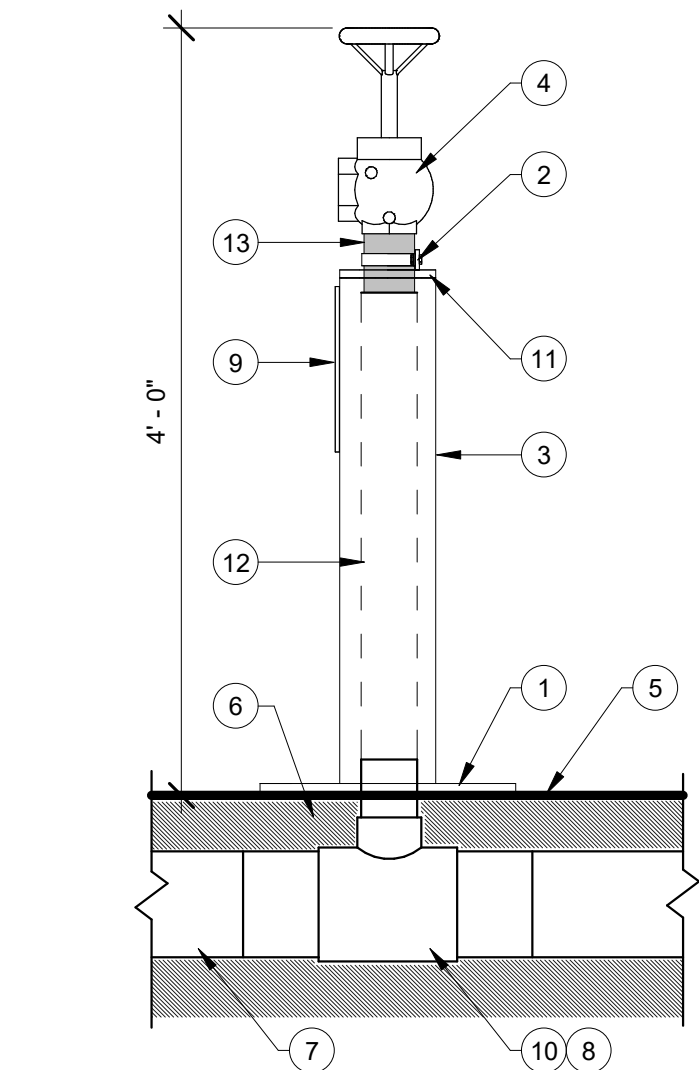
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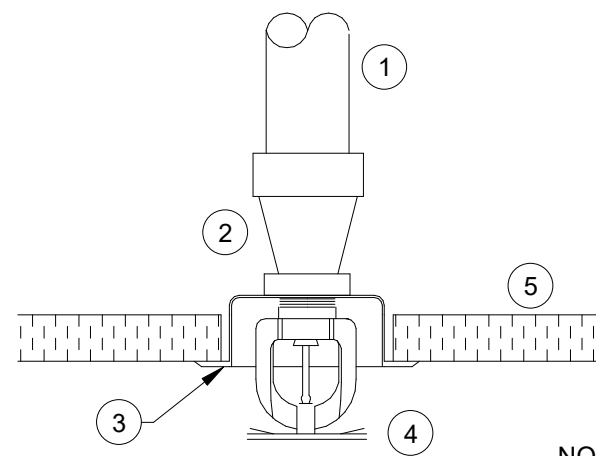
Revisions:		
No.	Date	Description
1	12/30/22	REVISION 1
2	03/09/23	REVISION 2

F1.1	FUEL PLAN		DATE: 6-10-22
	SHEET:	TITLE:	
	JOB NO: 21094		DWN BY: WAB



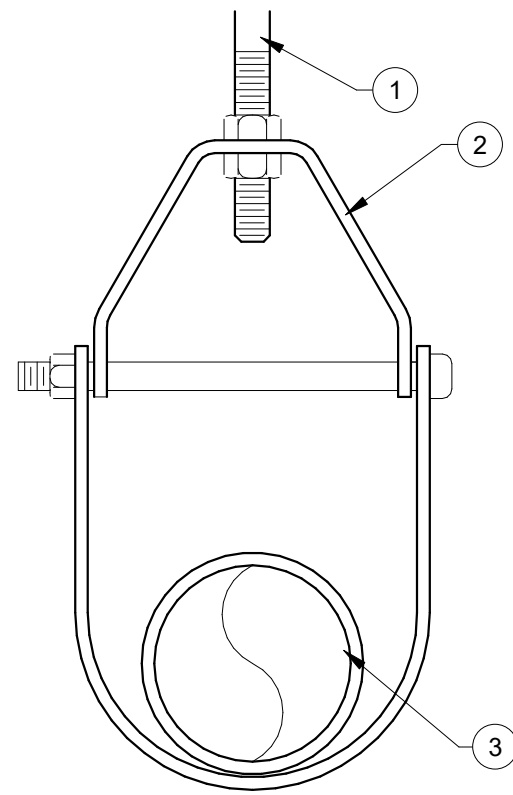


1 STANDPIPE DETAIL
FP0.1 NOT TO SCALE

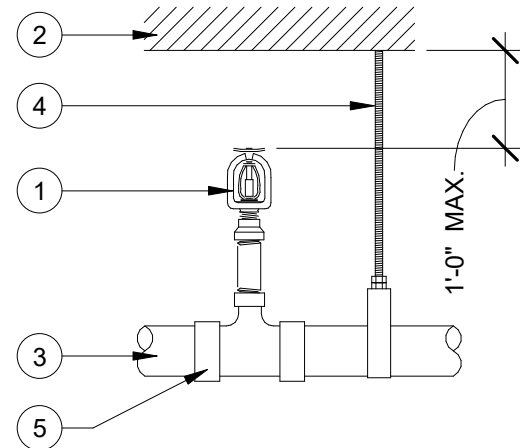


NOTE:
INSTALL ALL SPRINKLERS PER LISTING
AGENCY AND MANUFACTURERS EQUIREMENTS.

2 TYPICAL PENDANT SPRINKLER DETAIL
FP0.1 NOT TO SCALE



3 PIPE HANGER DETAIL
FP0.1 NOT TO SCALE



4 UPRIGHT SPRINKLER
FP0.1 NOT TO SCALE

NUMBERED NOTES:

- 16" x 16" x 1/2" 304 STAINLESS STEEL BASE PLATE. SECURE TO DOCK STRUCTURE OR CONCRETE PAD.
- STAINLESS STEEL PIPE CLAMP WITH SS BOLTS. WELD TO 6"Ø PIPE CAP.
- 6"Ø SCHEDULE 80 STAINLESS STEEL 304 PIPE.
- 2 1/2"Ø HOSE VALVE. COORDINATE WITH LOCAL FIRE DEPARTMENT.
- DOCK FINISH SURFACE.
- DOCK STRUCTURE.
- 6"Ø HDPE FIRE LINE (FP) BLACK, UV STABLE FM APPROVED, CLASS 200, DR-9 PIPE AND FITTINGS. SUPPORT FROM DOCK STRUCTURE. COORDINATE.
- COORDINATE ROUTING OF PIPE THRU DOCK STRUCTURE. OVERSIZE OPENING FOR EXPANSION AND CONTRACTION OF PIPE.
- SIGNAGE. COORDINATE WITH LOCAL FIRE DEPARTMENT AND OWNER.
- ALL FITTINGS SHALL BE RATED AND INSTALLED TO WITHSTAND THE FULL WORKING PRESSURE RATING OF THE PIPE.
- CAP 6"Ø PIPE WITH 1/2" STAINLESS STEEL PLATE. WELD ALL AROUND.
- ROUTED WITHIN 6"Ø SS PIPE.
- HDPE TO 304 STAINLESS STEEL TRANSITION FITTING.

NUMBERED NOTES

- 1 SPRINKLER PIPING
- 2 REDUCING COUPLING
- 3 CHROME FINISH
- 4 SEMI-RECESSED SPRINKLER
- 5 ACOUSTIC TILE CEILING

NUMBERED NOTES

- 1 HANGER ROD, UP TO STRUCTURE ABOVE
- 2 CLEVIS HANGER
- 3 PIPE

NUMBERED NOTES

- 1 UPRIGHT SPRINKLER
- 2 ROOF / FLOOR ABOVE
- 3 SPRINKLER PIPING SYSTEM
- 4 HANGER AS REQUIRED
- 5 REDUCING TEE

DESIGN INTENT CALCULATION

REMOTE AREA: ROOMS 106, 107, 108, 109, 110, 111, 113, 114

- DESIGN DENSITY:
LIGHT HAZARD
 - FLOW DEMAND:
0.10 GPM/S.F. x 1143 S.F. = 114 gpm
HOSE DEMAND = ~ gpm
LOSS FACTOR = 58 gpm
TOTAL FLOW DEMAND = 172 gpm
 - PRESSURE DEMAND:
LOSS THROUGH CITY METER = 0 psi (NO METER)
LOSS THROUGH FIRE LINE = 6 psi (60 FT)
ELEV. DIFF. MAIN TO RISER = 1 psi (2 FT)
LOSS THROUGH BACKFLOW = ~ psi (NO RBPB)
ELEVATION OF MAIN RISER = 8 psi (12 FT)
DISTRIBUTION PIPING LOSS = 12 psi
PRESSURE REQUIRED BY HEAD = 17 psi
TOTAL = 44 psi
 - PUMP FLOW DATA:
STATIC PRESSURE = 120 psi
RESIDUAL PRESSURE = 100 psi
FLOW = 500 psi
PRESSURE AVAILABLE AT REQUIRED FLOW: 85 psi AT 500 gpm
 - AVAILABLE PRESSURE OF 85 psi EXCEEDS DEMAND OF 44 psi BY 41 psi.
 - ZONE AREA SERVED: FIRST FLOOR
- NOTE:
PUMP FLOW DATA TO BE UPDATED ONCE PUMP HAS BEEN SLECTED.

SPRINKLER LEGEND

SYMBOL	MAKE	MODEL	SIN#	STYLE	FINISH	THREAD SIZE	K-FACTOR	TEMP	MAX. SPACING	COVERAGE AREA	FLOW	PRESSURE	REMARKS
●	RELIABLE	F1	R1715	PENDANT	CHROME	1/2"	5.6	155	12' x 12'	144 sf	13 gpm	17 psi	RECESSED, STANDARD RESPONSE
○	RELIABLE	F1	R1725	UPRIGHT	BRASS	1/2"	5.6	155	12' x 12'	144 sf	13 gpm	17 psi	STANDARD RESPONSE
▷	RELIABLE	F3	R5734	HORIZ. SIDEWALL	CHROME	1"	5.6	155	12' x 12'	144 sf	13 gpm	17 psi	RECESSED, STANDARD RESPONSE

FIRE PROTECTION EQUIPMENT SCHEDULE

MARK	ITEM	MFG.	MODEL NO.	SIZE	REMARKS
AB	ALARM BELL	POTTER	PBD-DC	--	UTILIZE DEVICE COMPATIBLE WITH BUILDING FAP
T&D	TEST & DRAIN	AGF. MANUF.	MODEL 1000	LINE SIZE	WITH SIGHT GLASS
SWC	SPARE SPRINKLER CABINET	--	--	--	WITH SPARES OF EACH TYPE SPRINKLER AND WRENCH

BUILDING INFORMATION:

- BUILDING USE:
OFFICE, BATHROOM, RETAIL
- BUILDING CLASSIFICATIONS:
LIGHT HAZARD
- STRUCTURE:
FLOOR - CEILING: WOOD
ROOF STRUCTURE: WOOD
EXTERIOR WALLS: WOOD
INTERIOR WALLS: WOOD
- INTERIOR FINISHES:
WALLS: GYPSUM BOARD
CEILINGS: GYPSUM BOARD
- ELEVATIONS:
FINISH EXTERIOR GRADE: -2'-0"
NEAREST FIRE HYDRANT: ~
FIRST FLOOR: 0'-0"
EAVE: 11'-0"
RIDGE: 19'-8"
- ROOF SLOPE:
1:5 : 12, SINGLE SLOPE
- FLOOR AREAS:
2020 SQ. FT.

PIPE MATERIAL - WET SYSTEM

- 2" AND SMALLER:
- CPVC PIPING, UL LISTED FOR FIRE SPRINKLER USE
- 2 1/2" AND LARGER:
- SCHEDULE 10 ROLL-GROOVE STEEL PIPE
 - ASTM A135 FITTINGS

PIPE MATERIAL - STANDPIPE SYSTEM

- ALL SIZES:
- HDPE BLACK, UV STABLE, FM APPROVED, CLASS 200, DR-9 PIPE AND FITTINGS

SPECIFIC SPRINKLER NOTES:

- AUTOMATIC SPRINKLER SYSTEM TO BE DESIGNED AND INSTALLED PER 2010 NFPA 13.
- INSTALLATION FOR THE BUILDING SHALL BE A WET PIPE SYSTEM. STANDPIPE SYSTEM TO BE DRY.
- UNLESS NOTED OTHERWISE, DESIGN DENSITY FOR THE SPRINKLER SYSTEM IS "LIGHT HAZARD " AS DEFINED BY NFPA 13. (0.10 GPM/SF OVER 1500 SF).
- "ORDINARY HAZARD" AREAS NOTED BY "ORD".
- SPRINKLER SYSTEM PIPING AND FITTINGS TO BE UL LISTED STEEL PIPE OR LISTED CPVC PER SCHEDULE.
- LOCATE SPRINKLER "CENTER OF TILE" WITHIN AREAS WITH ACOUSTICAL TILE CEILINGS. COORDINATE WITH ARCHITECTURAL AND WITH CEILING INSTALLATION.
- WHERE RISER PIPING PASSES THRU HOLES IN PLATFORMS, FOUNDATIONS, WALLS, OR FLOORS, THE HOLE SHALL BE SIZED SUCH THAT THE DIAMETER OF THE HOLE IS 2" LARGER FOR PIPES BETWEEN 2 - 3 1/2" INCHES IN DIAMETER AND 4" LARGER FOR PIPES THAT ARE 4" IN DIAMETER OR LARGER. FILL CLEARANCE WITH A FLEXIBLE MATERIAL SUCH AS MASTIC.

GENERAL SPRINKLER NOTES:

- SPRINKLER SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL WORK, MATERIALS, AND EQUIPMENT CUSTOMARILY CONSIDERED PART SUCH WORK FOR FULLY OPERATIONAL, COMPLETE, AND CODE COMPLIANT SYSTEMS. PROVIDE AND INSTALL ALL PIPING, EQUIPMENT, CONNECTIONS, VALVES, FITTINGS, ETC. AS REQUIRED.
- PLANS ARE DIAGRAMMATIC AND ARE PROVIDED ONLY TO SHOW GENERAL SYSTEMS. CONTRACTOR SHALL CONSIDER ACTUAL FIELD CONDITIONS DURING INSTALLATION. ANY GROSS INTERFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONTINUING.
- PLAN SCALES NOTED, IF ANY, ARE ONLY APPLICABLE TO PLANS PLOTTED AT FULL SIZE. CONTRACTOR IS CAUTIONED WHEN USING PLANS PLOTTED AR REDUCED SIZES. REGARDLESS, CONTRACTOR SHALL NOT SCALE PLANS, BUT SHALL REFER TO NOTED DIMENSIONS. FOR DIMENSIONS NOT NOTED, CONTRACTOR SHALL REFER TO ACTUAL FIELD CONDITIONS AND/OR DIMENSIONED ARCHITECTURAL, STRUCTURAL, OR CIVIL PLANS.
- LOCATE AND INSTALL ALL EQUIPMENT CONSIDERING MANUFACTURER'S RECOMMENDED CLEARANCES.
- INSTALL ALL SERVICEABLE EQUIPMENT, VALVES, SWITCHES, ETC. IN ACCESSIBLE LOCATIONS.
- VERIFY ALL ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURERS AND COORDINATE WITH ELECTRICAL INSTALLATION.
- ALL EQUIPMENT AND COMPONENTS SHALL BEAR UL AND FM LABEL OR MARKINGS.
- FIRE STOPPING SYSTEM SHALL BE INSTALLED AT ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS OR CONSTRUCTION.
- COORDINATE ROUTING OF SPRINKLER MAIN AND BRANCH PIPING WITH MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL INSTALLATION.
- ALL PIPING SHALL BE SUPPORTED AS REQUIRED BY CODE AND THE PIPE MANUFACTURER. PIPE HANGER MATERIAL SHALL BE UL AND FM LISTED. INSTALL BRACING AS REQUIRED.
- FOR PROPER DRAINAGE, PITCH BRANCH PIPING TOWARD MAINS AND MAINS TOWARD RISER AND AUXILIARY DRAINS AS PRACTICAL. INSTALL AUXILIARY DRAINS FOR PIPING SECTIONS THAT CANNOT BE DRAINED BACK TO MAIN.
- UNLESS NOTED OTHERWISE, ALL WET PIPING SHALL BE INSTALLED CONCEALED WITHIN THE THERMAL ENVELOPE OF THE BUILDING.
- AL CONTROL VALVES TO HAVE TAMPER SWITCHES CONNECTED TO FIRE ALARM PANEL.
- LABEL ALL VALVES WITH ZONE CONTROLLED.
- ALL EXPOSED PIPING SHALL BE PAINTED AND LABELED "FIRE". PAINT COLOR SHALL BE PER ARCHITECTURAL.
- SEE SITE UTILITY SHEET FOR SPRINKLER ENTRANCE PIPING, POST INDICATOR VALVE AND FIRE HYDRANT LOCATIONS.
- ALL SPRINKLER SYSTEM PIPING FROM "POINT OF SERVICE" NOTED SHALL BE INSTALLED BY A REGISTERED SPRINKLER CONTRACTOR.
- PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED PER ARCHITECTURAL.

GENERAL STANDPIPE FIRE PROTECTION NOTES:

- STANDPIPE SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL WORK, MATERIALS, AND EQUIPMENT CUSTOMARILY CONSIDERED PART SUCH WORK FOR FULLY OPERATIONAL, COMPLETE, AND CODE COMPLIANT SYSTEMS. PROVIDE AND INSTALL ALL PIPING, EQUIPMENT, CONNECTIONS, VALVES, FITTINGS, ETC. AS REQUIRED.
- PLANS ARE DIAGRAMMATIC AND ARE PROVIDED ONLY TO SHOW GENERAL SYSTEMS. CONTRACTOR SHALL CONSIDER ACTUAL FIELD CONDITIONS DURING INSTALLATION. ANY GROSS INTERFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONTINUING.
- PLAN SCALES NOTED, IF ANY, ARE ONLY APPLICABLE TO PLANS PLOTTED AT FULL SIZE. CONTRACTOR IS CAUTIONED WHEN USING PLANS PLOTTED AR REDUCED SIZES. REGARDLESS, CONTRACTOR SHALL NOT SCALE PLANS, BUT SHALL REFER TO NOTED DIMENSIONS. FOR DIMENSIONS NOT NOTED, CONTRACTOR SHALL REFER TO ACTUAL FIELD CONDITIONS AND/OR DIMENSIONED ARCHITECTURAL, STRUCTURAL, OR CIVIL PLANS.
- LOCATE AND INSTALL ALL EQUIPMENT CONSIDERING MANUFACTURER'S RECOMMENDED CLEARANCES.
- INSTALL ALL SERVICEABLE EQUIPMENT, VALVES, ETC. IN ACCESSIBLE LOCATIONS.
- INSTALL ALL PLASTIC PIPING SO TO BE SHIELDED FROM DIRECT SUNLIGHT AND UV RADIATION.
- ALL EQUIPMENT AND COMPONENTS SHALL BEAR UL AND FM LABEL OR MARKINGS.
- COORDINATE ROUTING OF MAIN AND BRANCH PIPING WITH OTHER TRADES AND STRUCTURAL INSTALLATION.
- ALL PIPING SHALL BE SUPPORTED AND BRACED AS REQUIRED BY CODE AND THE PIPE MANUFACTURER. PIPE HANGER MATERIAL SHALL BE AS APPROVED BY AHJ.
- FOR PROPER DRAINAGE, PITCH BRANCH PIPING TOWARD MAINS AND MAINS TOWARD RISER AND AUXILIARY DRAINS AS PRACTICAL. INSTALL AUXILIARY DRAINS FOR PIPING SECTIONS THAT CANNOT BE DRAINED BACK TO MAIN.
- ALL EXPOSED METALLIC PIPING SHALL BE PAINTED RED.
- ALL STANDPIPE SYSTEM PIPING FROM "POINT OF SERVICE" NOTED SHALL BE INSTALLED BY A REGISTERED SPRINKLER CONTRACTOR.
- PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED PER ARCHITECTURAL.
- PRESSURE TEST ALL PIPING AND FITTINGS PER CODE AND TO THE OPERATIONAL RATING OF THE PIPING: 200psi.
- CONFIGURE SYSTEM SO TO ALLOW FOR 6" EXPANSION / CONTRACTION EVERY 100'-0" OF PIPE.
- COORDINATE ROUTING OF PIPE THRU DOCK STRUCTURE. OVERSIZE OPENINGS FOR EXPANSION AND CONTRACTION OF PIPE.
- COORDINATE ROUTING OF PIPE WITH OTHER TRADES.
- ALLOW FOR LAKE ELEVATION CHANGE IN ALL PIPES CONNECTION TO SHORE.
- SYSTEM SHALL MEET THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF THE FOLLOWING (LATEST ADOPTED VERSIONS - NOT ALL-INCLUSIVE LIST - SYSTEMS SHALL MEET LL CODES AND REGULATIONS ENFORCED AT THE PROJECT SITE):

INTERNATIONAL FIRE CODE (EXCLUDING CHAPTER 1)
NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS

NFPA 25 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

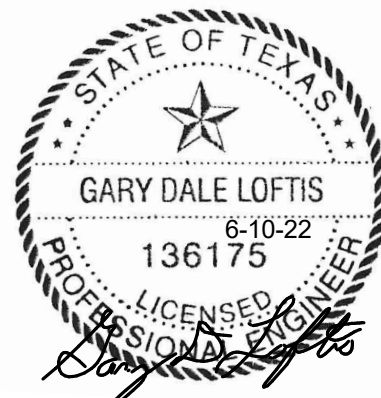
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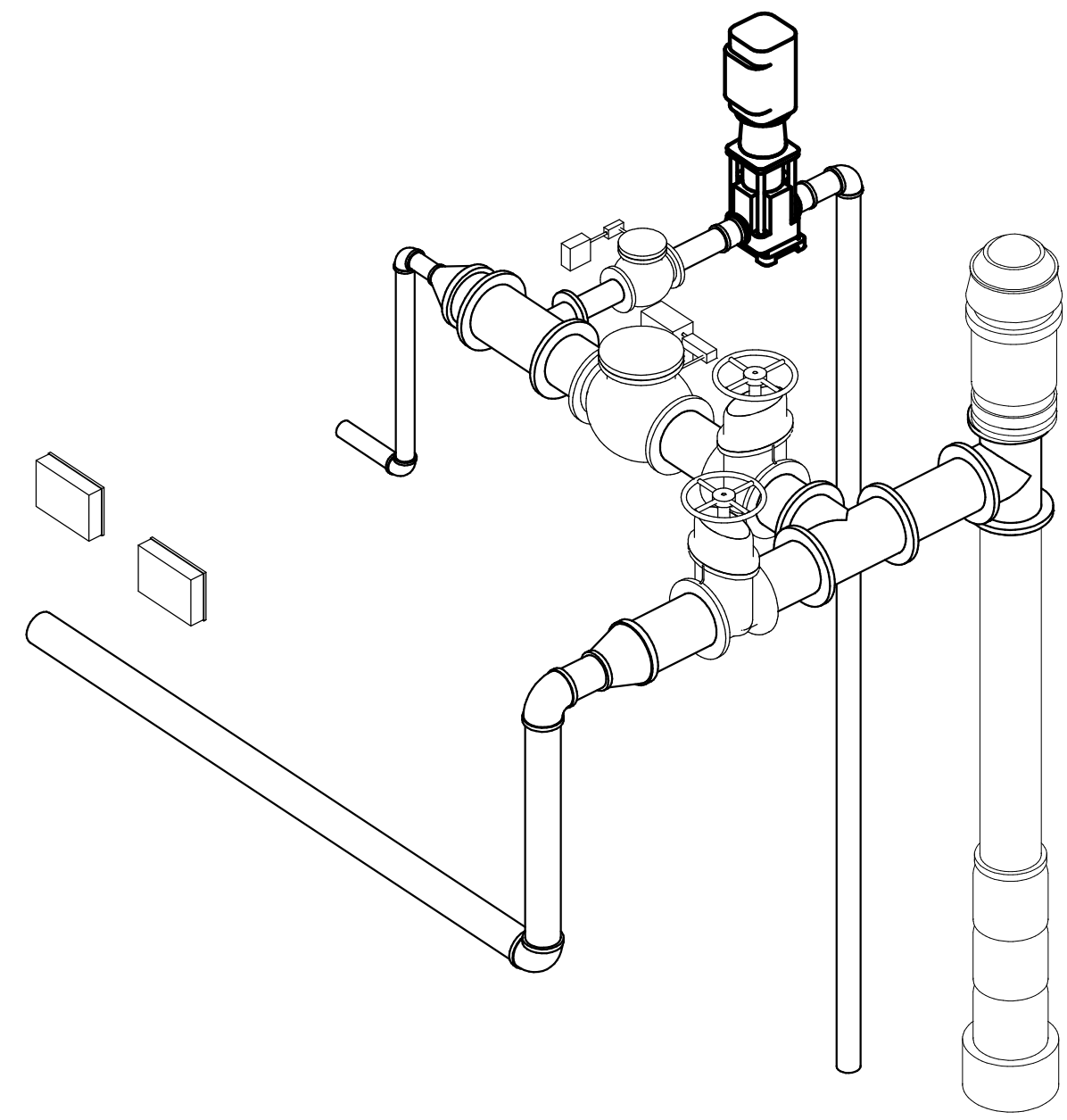
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Revisions:
No. Date Description

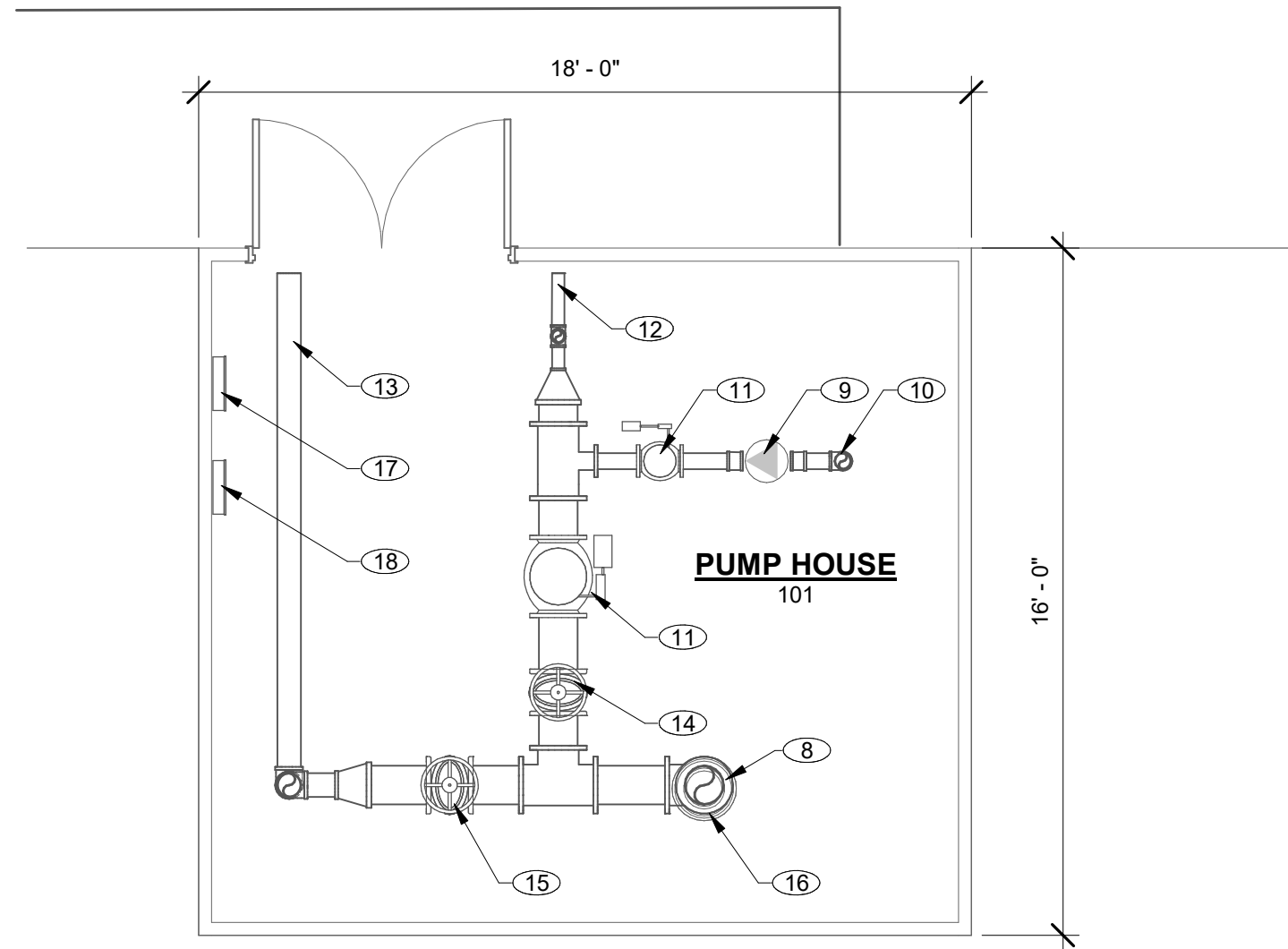
FP0.1
SHEET:
FIRE PROTECTION NOTES
AND SCHEDULES

TITLE:
JOB NO: 21094
DATE: 6-10-22
DWN BY: WAB

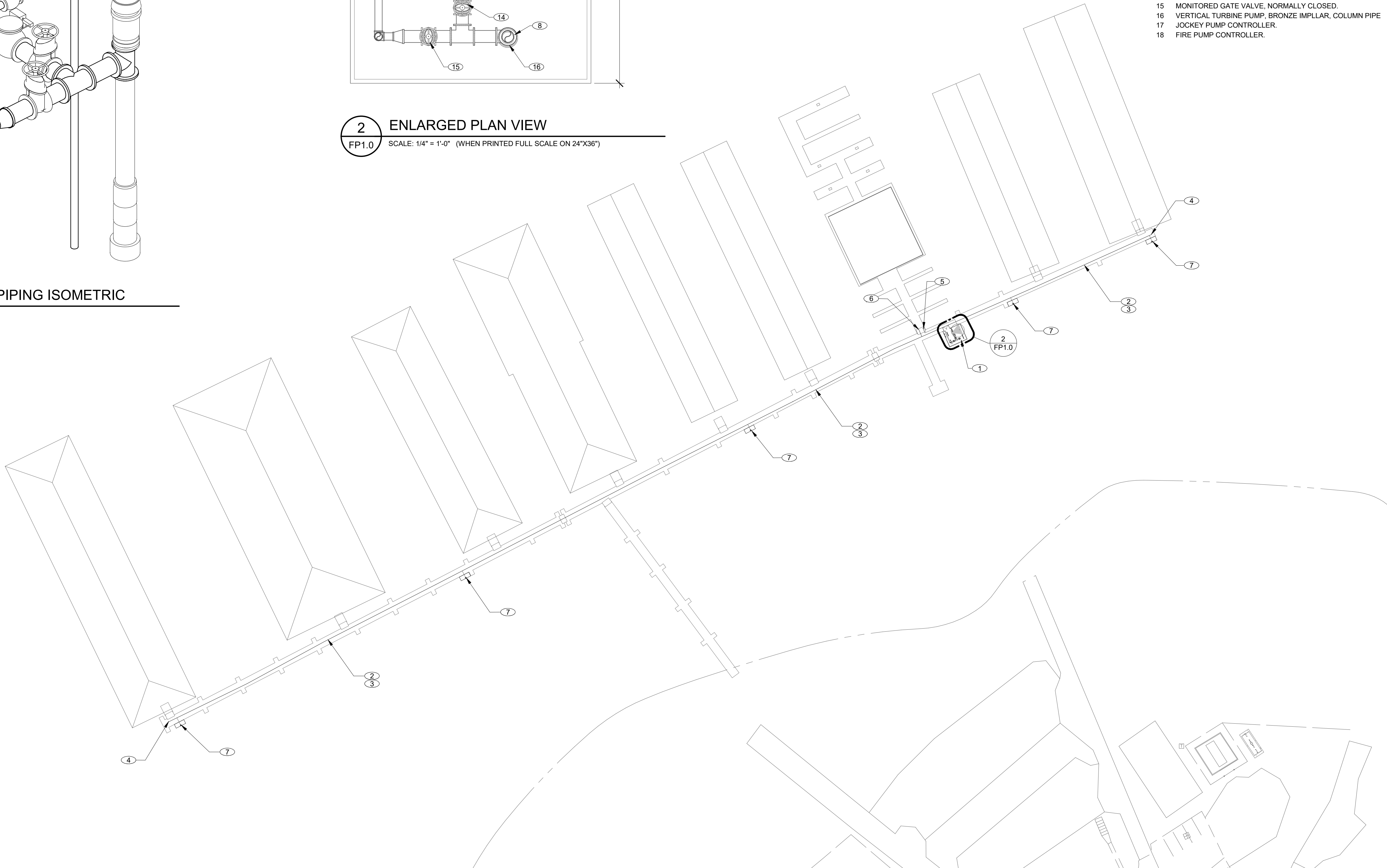




3 PUMP HOUSE PIPING ISOMETRIC
FP1.0 NOT TO SCALE



2 ENLARGED PLAN VIEW
FP1.0 SCALE: 1/4" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



1 OVERALL FIRE PROTECTION PLAN
FP1.0 SCALE: 1" = 50'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

FIRE PROTECTION NOTES

GENERAL NOTES

- A FIRE LINE TO BE HDPE BLACK, UV STABLE, FM APPROVED, CLASS 200, DR-9 PIPE AND FITTINGS.
B PROVIDE FLEXIBLE HOSE CONNECTION AS REQUIRED.

NUMBERED NOTES

- 1 NEW 18'-0" x 16'-0" x 8'-0" FLOATING FIRE PUMP BUILDING.
2 NEW 6" DRY FIRE LINE FOR NEW STANDPIPE SYSTEM.
3 ROUTE WITHIN DOCK STRUCTURE. COORDINATE.
4 CONNECT NEW 6" DRY FIRE LINE TO EXISTING FIRE LINE. COORDINATE.
5 CONNECT TO 3" WET FIRE MAIN TO SHIP STORE.
6 CONNECT TO 4" DRY SHIP STORE STANDPIPES.
7 NEW STANDPIPE w/ NEW 4'-0" x 10'-0" STAGING DOCK. LOCATED 300'-0" ON CENTER. CONNECT TO DRY 6" FIRE MAIN. SEE SHEET FP0.1, DETAIL 1.
8 RELOCATED EXISTING UL LISTED EMERSON 60 HP, 1775 RPM, 460V, 71A, 3Φ FIRE PUMP MOTOR.
9 JOCKEY PUMP.
10 JOCKEY PUMP INTAKE w/ SCREEN, FROM LAKE.
11 CHECK VALVE.
12 3" FIRE LINE TO SHIP STORE SYSTEM.
13 6" FIRE LINE TO DRY STANDPIPE SYSTEM.
14 MONITORED GATE VALVE, NORMALLY OPEN.
15 MONITORED GATE VALVE, NORMALLY CLOSED.
16 VERTICAL TURBINE PUMP, BRONZE IMPELLER, COLUMN PIPE
17 JOCKEY PUMP CONTROLLER.
18 FIRE PUMP CONTROLLER.

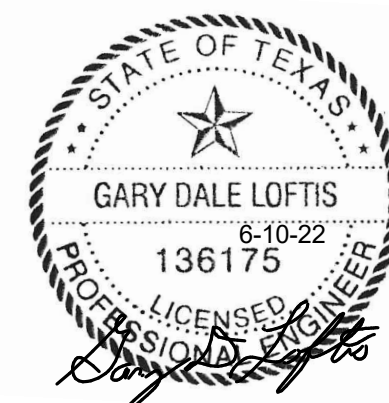
SHIP STORE FOR
SAFE HARBOR EMERALD POINT
5973 HILINE ROAD
AUSTIN, TX

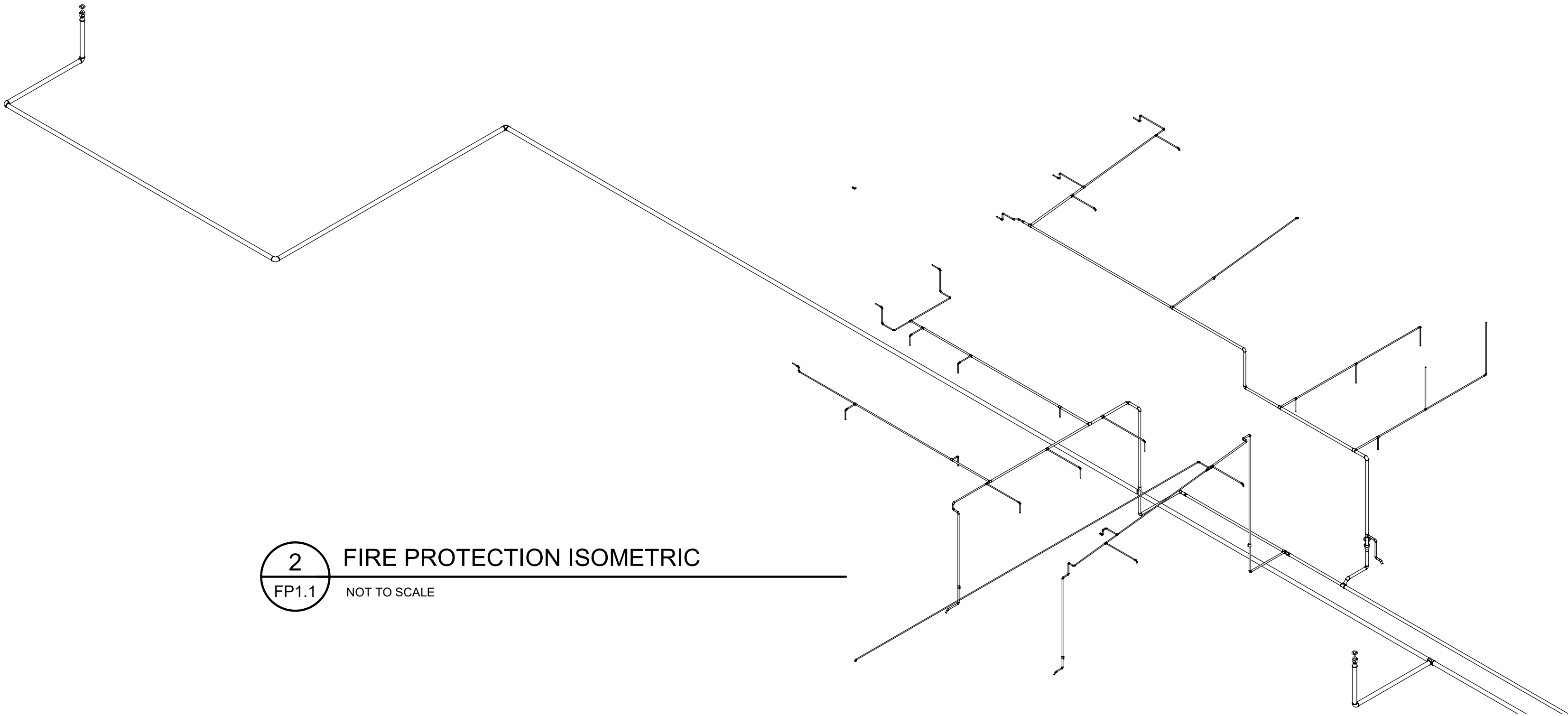
**MAFFETT
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www.maffettloftis.com

Revisions:
No. Date Description

FP1.0
SHEET:
FIRE PROTECTION SITE
PLAN
TITLE:

JOB NO: 21094
DATE: 6-10-22
DWN BY: WAB

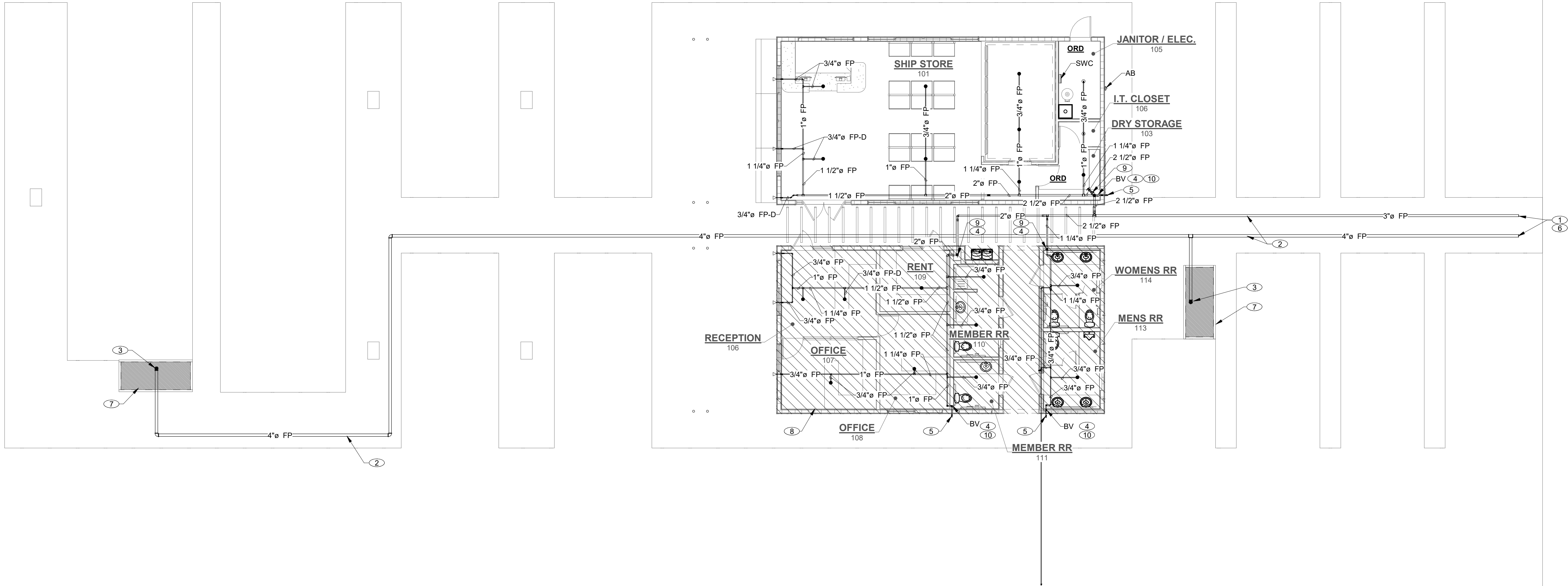




2 FIRE PROTECTION ISOMETRIC
FP1.1 NOT TO SCALE

FIRE PROTECTION NOTES

- NUMBERED NOTES
- 1 CONTINUE TO NEW FIRE PUMP ROOM.
 - 2 FIRE LINE ROUTED BELOW DOCK SURFACE. COORDINATE ROUTING WITH DOCK STRUCTURE AND OTHER TRADES. FIRE LINE TO BE HDPE BLACK, UV STABLE FM APPROVED, CLASS 200, DR-9 PIPE AND FITTINGS.
 - 3 STANDPIPE WITH 2 1/2"Ø HOSE VALVE. COORDINATE WITH LOCAL FIRE DEPARTMENT.
 - 4 PROVIDE ACCESS PANEL TO VALVE.
 - 5 SYSTEM DRAIN.
 - 6 PROVIDE FLEXIBLE PIPE CONNECTION AT GANGWAY.
 - 7 10'-0" x 4'-0" EMERGENCY EQUIPMENT STAGING AREA WITH 4" CURB.
 - 8 REMOTE AREA.
 - 9 MONITORED VALVE.
 - 10 WITH TEST & DRAIN (TD).



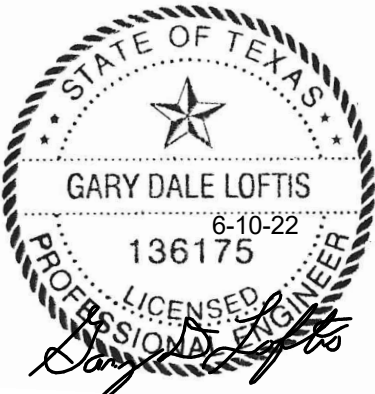
1 FIRE PROTECTION PLAN
FP1.1 SCALE: 1/8" = 1'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



SHIP STORE FOR
SAFE HARBOR EMERALD POINT
5973 HILINE ROAD
AUSTIN, TX



Revisions: Revisions indicated w/ Δ			
No.	Date	Description	
FP1.1			
SHEET: FIRE PROTECTION PLAN			
TITLE:			
JOB NO: 21084		DATE: 6-10-22	
DWN BY: WAB			



1 OVERALL SITE FUEL PLAN
P3.0 SCALE: 1" = 40'-0" (WHEN PRINTED FULL SCALE ON

SCALE: 1" = 40'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



2 ENLARGED FUEL SITE PLAN
P3.0 SCALE: 1" = 10'-0" (WHEN PRINTED FULL SCALE ON 24"X36")

SCALE: 1" = 10'-0" (WHEN PRINTED FULL SCALE ON 24"X36")



FUEL NUMBERED NOTES

NUMBERED NOTES

- 1 TANK FILL PIPING FROM ABOVE GROUND CONTAINMENT CABINET.
- 2 ABOVE GROUND FILLING CONTAINMENT CABINET. COORDINATE LOCATION WITH OWNERS.
- 3 8,000 gal. ABOVE GROUND DOUBLE WALL DIESEL TANK.
- 4 ABOVE GROUND FUEL LINE FROM TANK TO ON SHORE TRANSITION BOX.
- 5 SEE SHEET PS.1 FOR CONTINUATION.
- 6 ON SHORE TRANSITION BOX. LOCATE ABOVE HIGH WATER LAKE LEVEL.
- 7 DOUBLE-WALL FLEXIBLE FUEL HOSE ROUTED ON LAKE BOTTOM. PROVIDE SANDBAG WEIGHTS AS
NEEDED. PROVIDE FUEL LINE FOR LAKE ELEVATION CHANGE.
- 8 EXISTING ABOVE GROUND GASOLINE TANK.

SHIP STORE FOR
SAFE HARBOR EMERALD POINT
5973 HILINE ROAD
AUSTIN, TX



P3.0

FUEL SITE PLAN

3711

JOB NO. Z1094

DATE: 6-10-22

DWN BY: WAB

