

FIRE PUMP EQUIPMENT LIST				
1 8" OS&Y GATE VALVE (TANK ISOLATION)	8" WFM FROM INCOMING FIRE WATER SERVICE			
2 6" CHECK VALVE (FIRE PUMP DISCHARGE)	15 8" CHECK VALVE			
3 8" NC BUTTERFLY VALVE (FIRE PUMP TEST)	16 ELECTRIC DRIVE FIRE PUMP (FP-1) HATCH SHOWS FIRE PUMP FOOTPRINT			
6" OS&Y GATE VALVE W/ ELECTRONIC ACTUATOR BASIS OF DESIGN KENNEDY MODEL 8561ASS-2DMG-1 (FIRE PUMP DISCHARGE)	17 8" FLOW METER			
5 8" NC BYPASS VALVE	18 8" NC BUTTERFLY VALVE (FLOW METER ISOLATION)			
6 BALL VALVE (PMP)	19 8" DOUBLE CHECK VALVE ASSEMBLY			
7 FIRE PUMP CONTROLLER W/ ATS	8" FLOAT VALVE (TANK FILL); PROVIDE 120 VAC WATER LEVEL MONITORING PANEL WITH LOW LEVEL AND HIGH LEVEL ALARMS.			
8 PRESSURE MAINTENANCE PUMP CONTROLLER	21 8" BUTTERFLY VALVE (FLOAT VALVE ISOLATION)			
9 NEC REQUIRED 42" WORKING CLEARANCE	22 8" TANK SUCTION W/ ANTI-VORTEX PLATE (NOT SHOWN)			
10 CHECK VALVE (PRESSURE MAINTENANCE PUMP DISCHARGE)	23 8" UP TO TANK FILL			
8" TH TO FIRE PUMP TEST HEADER (EXACT LOCATION TBD)	24 6" BYPASS ASSEMBLY			
12 ELECTRIC DRIVE PRESSURE MAINTENANCE PUMP (PMP-1)	25 8" TANK OVERFLOW TO STORM			
13 6" WFM TO MAIN DISTRIBUTION	26 STANDPIPE DRAIN RETURN TO TANK			

DRAWING	FUNCTION	PUMP TYPE	BASIS OF DESIGN	E PUMP SCHEDU CAPACITY	BOOST	CHURN	ELECTRICAL				SET POINTS		
DESIGNATION			PERMORANCE CURVE	(GPM)	(PSI)	(PSI)	HP	V	PH	HZ	RPM	START	STOF
FP-1	FIRE PUMP	HORIZONTAL SPLIT CASE	PEERLESS 5AEF12	1,000	190	212	200	208	3	60	3,550	200	MANU
PMP-1	PRESSRUE MAINTENANCE PUMP	VERTICAL INLINE		10	200	-	3	208	3	60	3,560	205	215

Reserved for permit stamp

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\_\_\_\_ principal architect\_\_\_\_\_ project manager\_\_JCC\_\_\_\_\_ drawn by\_\_CRB, SMK\_\_\_\_ \_\_\_\_ checked by Checker job no. 20052 date 11/18/2022

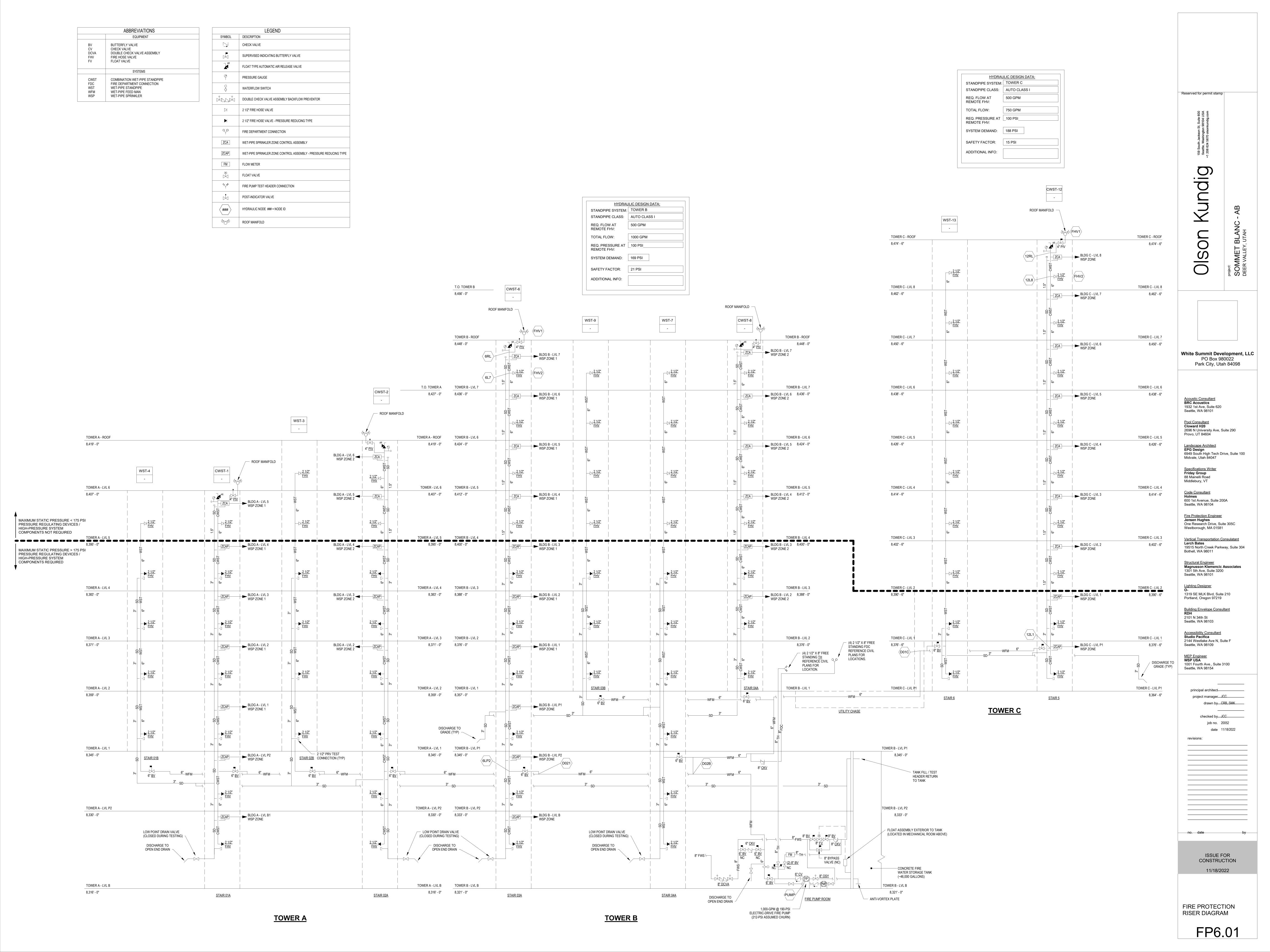
> ISSUE FOR CONSTRUCTION 11/18/2022

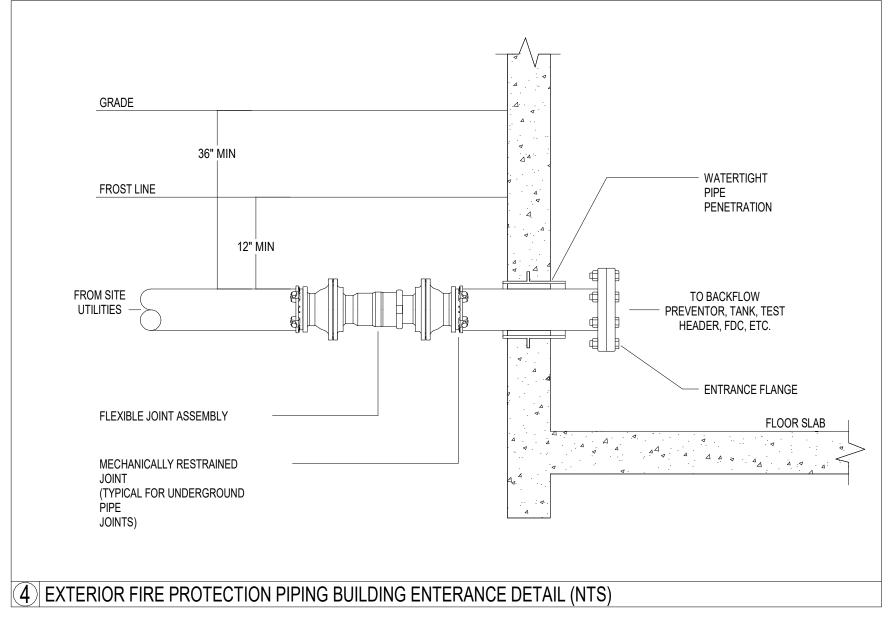
FIRE PUMP ROOM -ENLARGED PLAN & SECTIONS

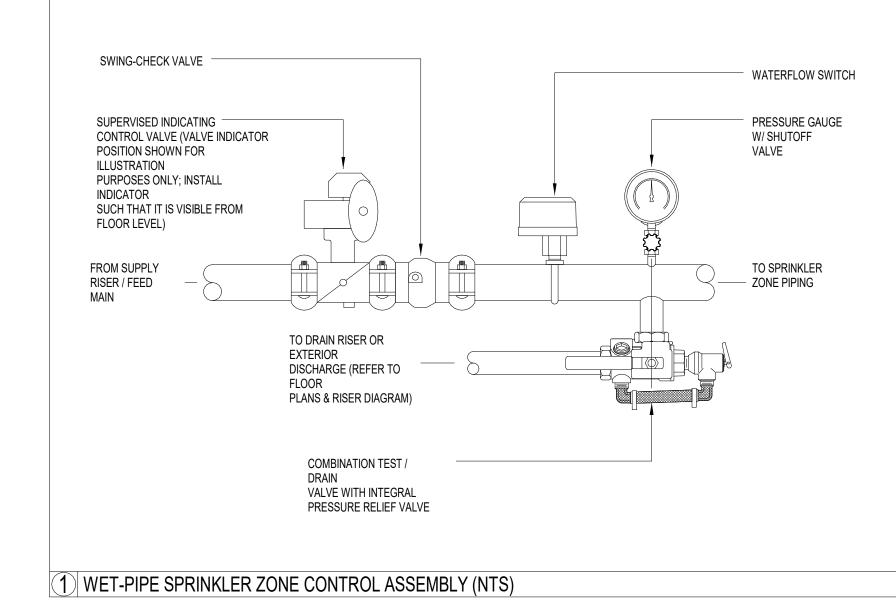
FP4.01

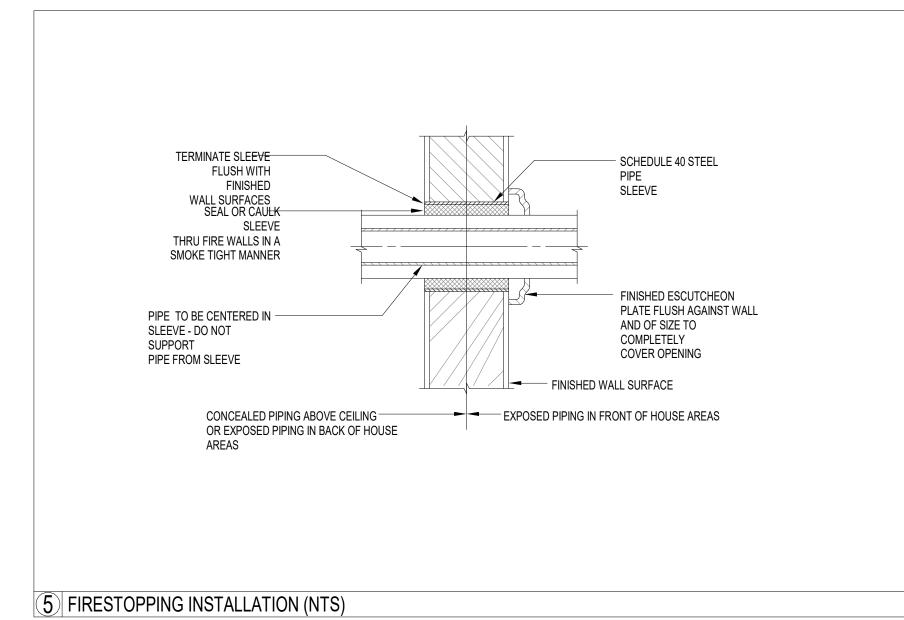
FIRE PUMP ROOM SECTION 1

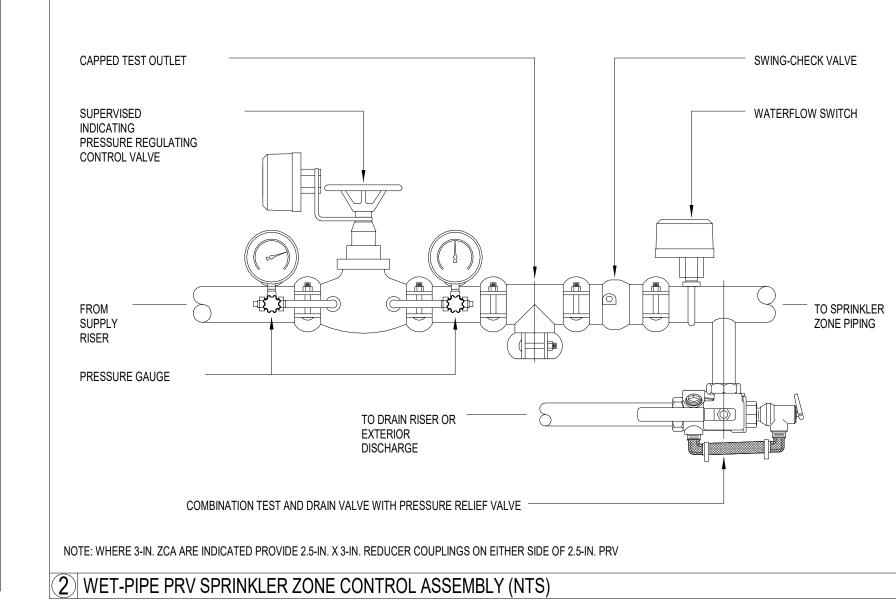
1/2" = 1'-0"

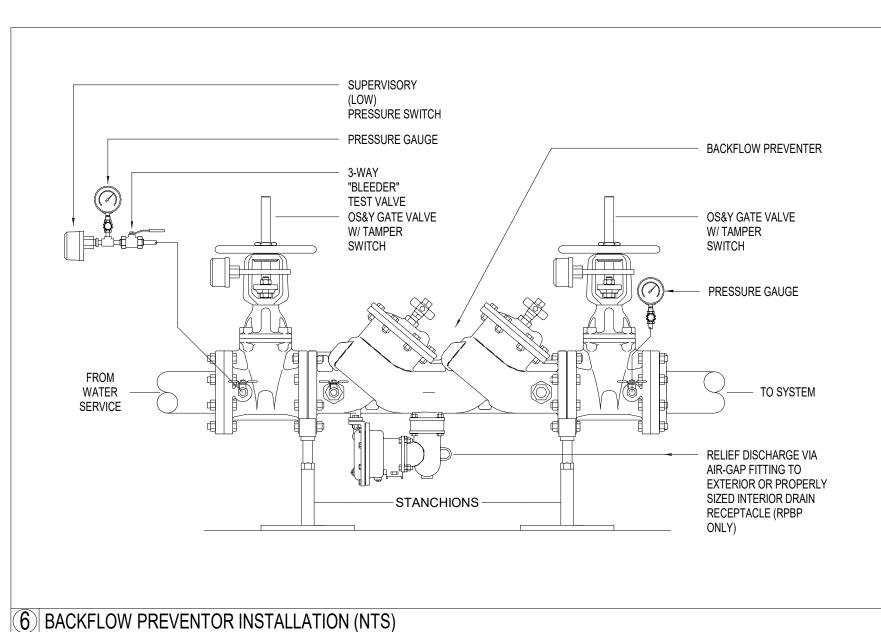












300 PSI RATED

CONNECTION FLANGE

PITCH PIPING BACK TO BUILDING ENTERANCE

STRAIGHT PATTERN -

FDC OR TEST HEADER

**BURIED PIPING** 

(SEE CIVIL -DRAWINGS)

7 EXTERIOR CONNECTION (NTS)

10"

FIRE DEPARTMENT CONNECTION

STREET ADDRESS

GALVANIZED UNISTRUT

SUPPORTS

PRESSURE REQUIRED

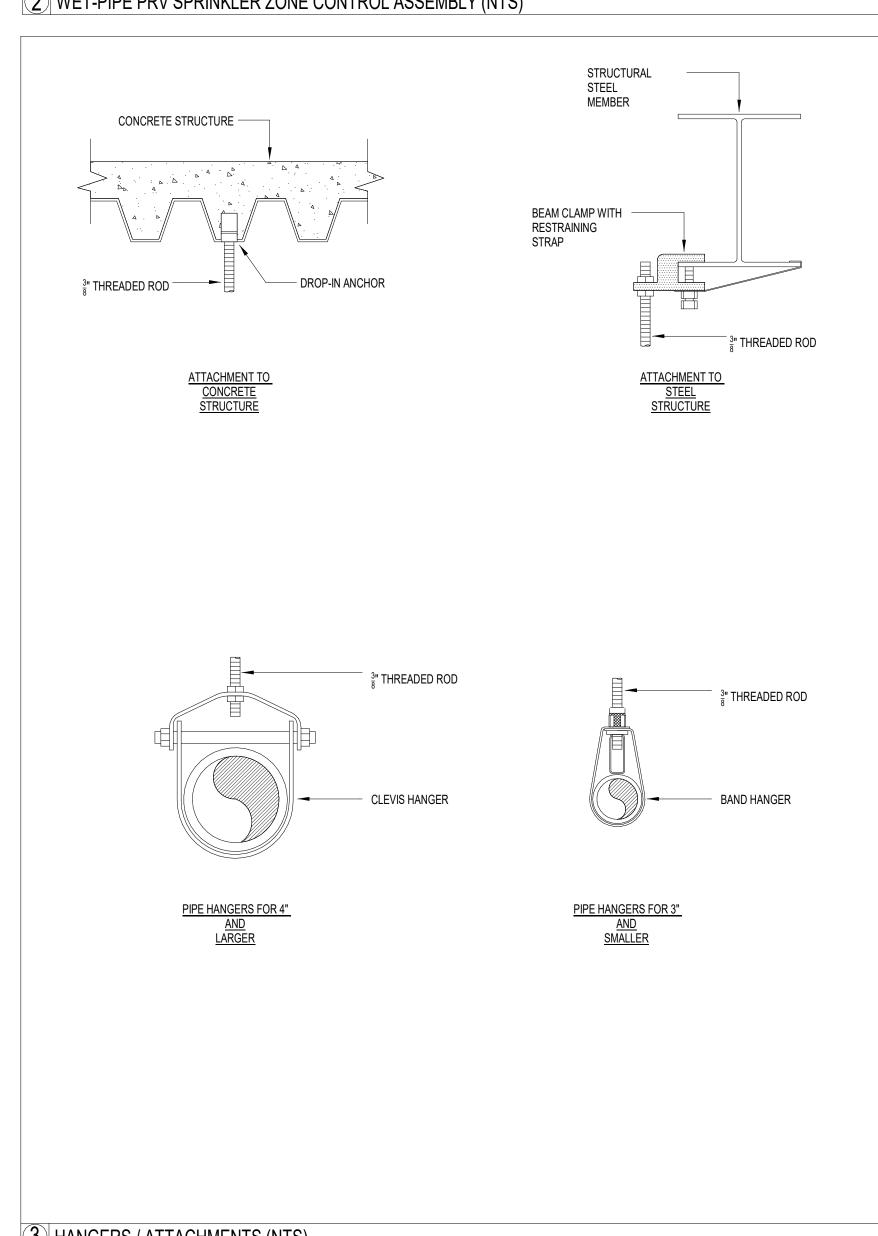
MECHANICALLY RESTRAINED

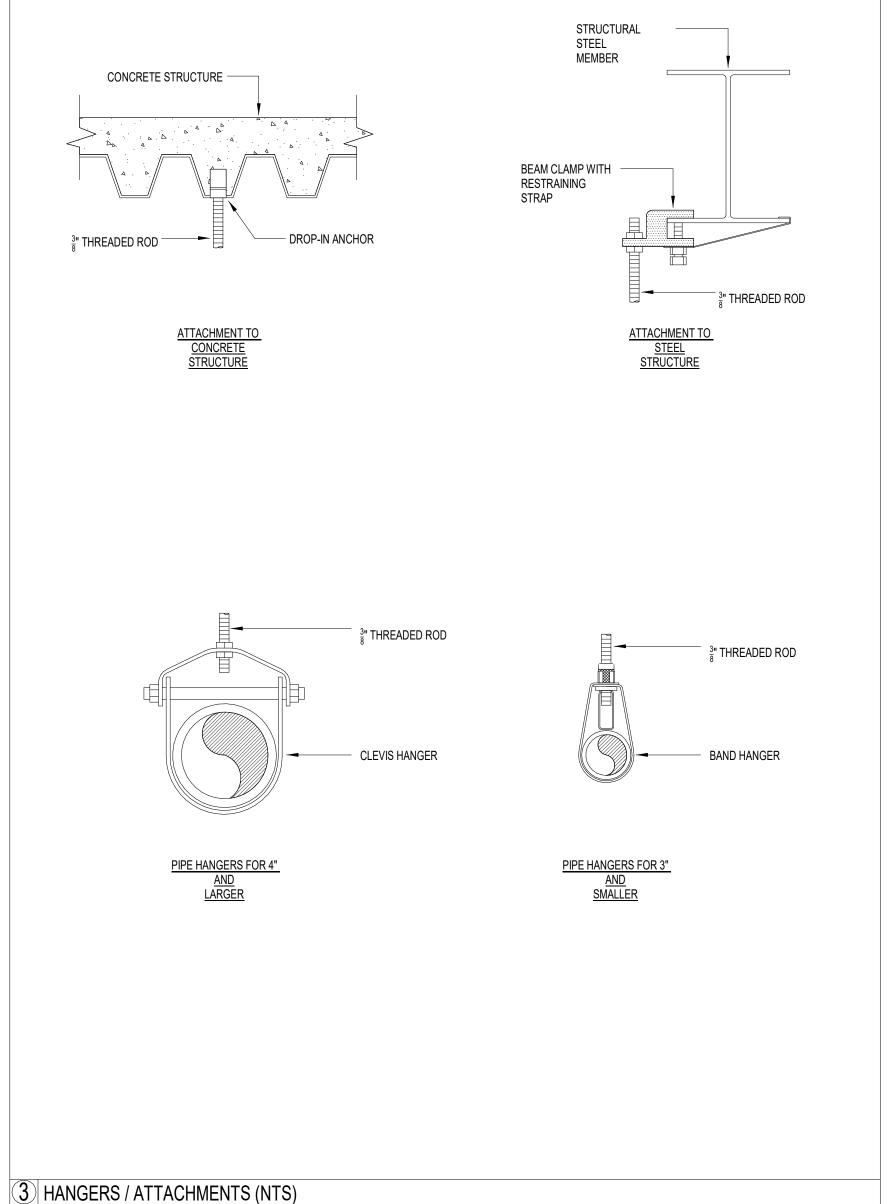
JOINT (TYPICAL FOR

UNDERGROUND PIPE

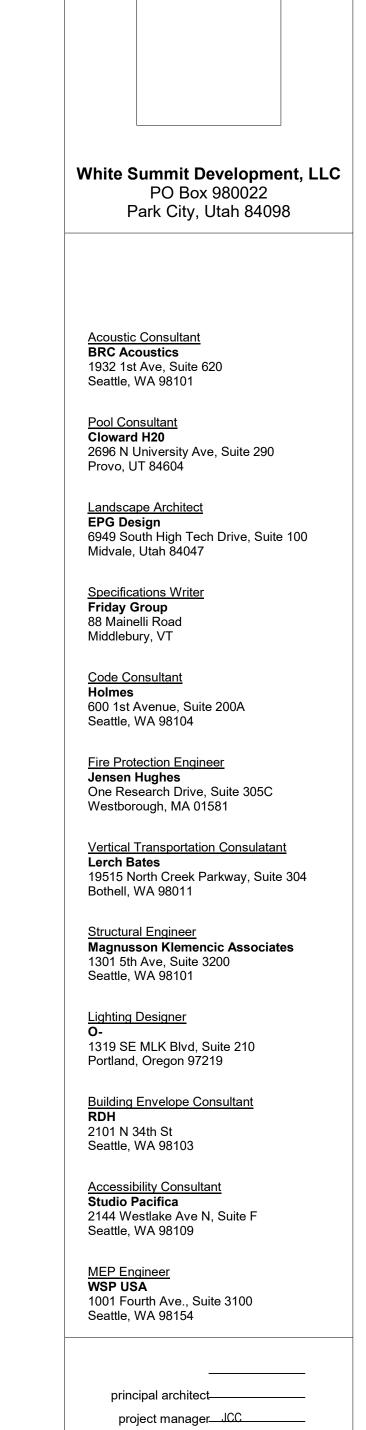
PROVIDE SIMILAR

→ SIGNAGE FOR TEST





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drawn by\_\_CRB, SMK\_\_\_\_

checked by Checker job no. 20052

date 11/18/2022

no. date by

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FP7.01

FIRE PROTECTION

DETAILS

revisions:

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