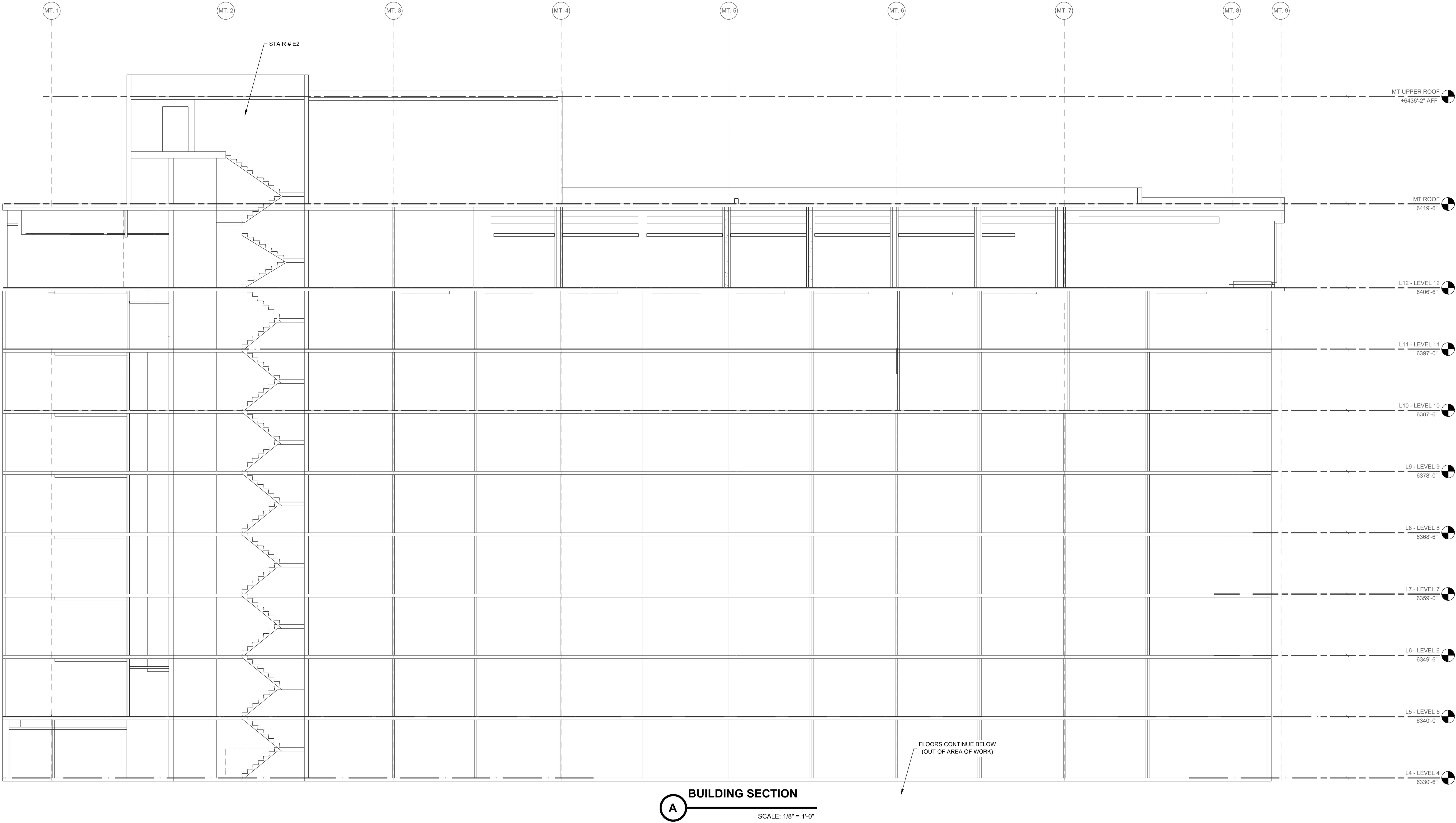


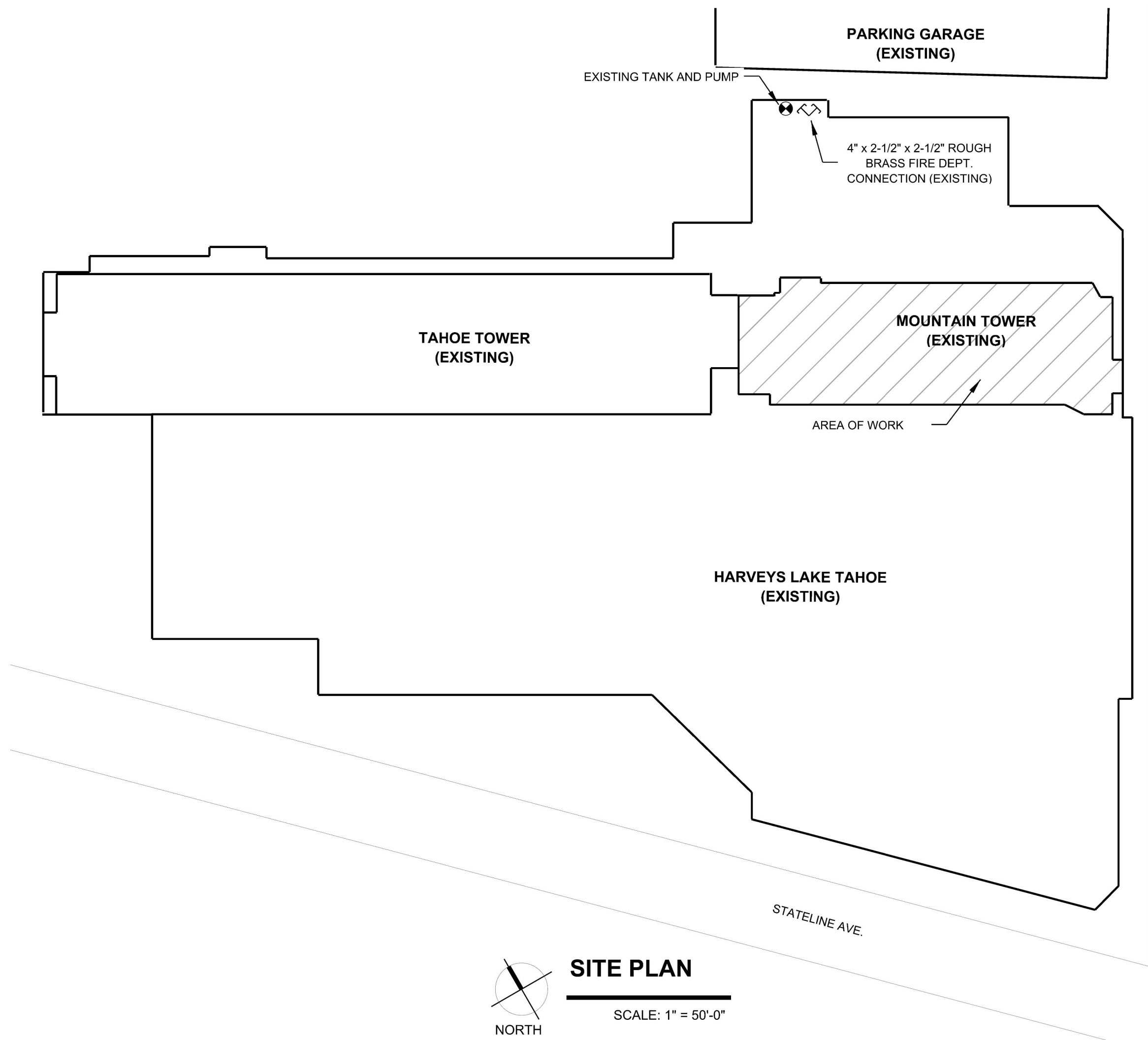


SCOPE OF WORK

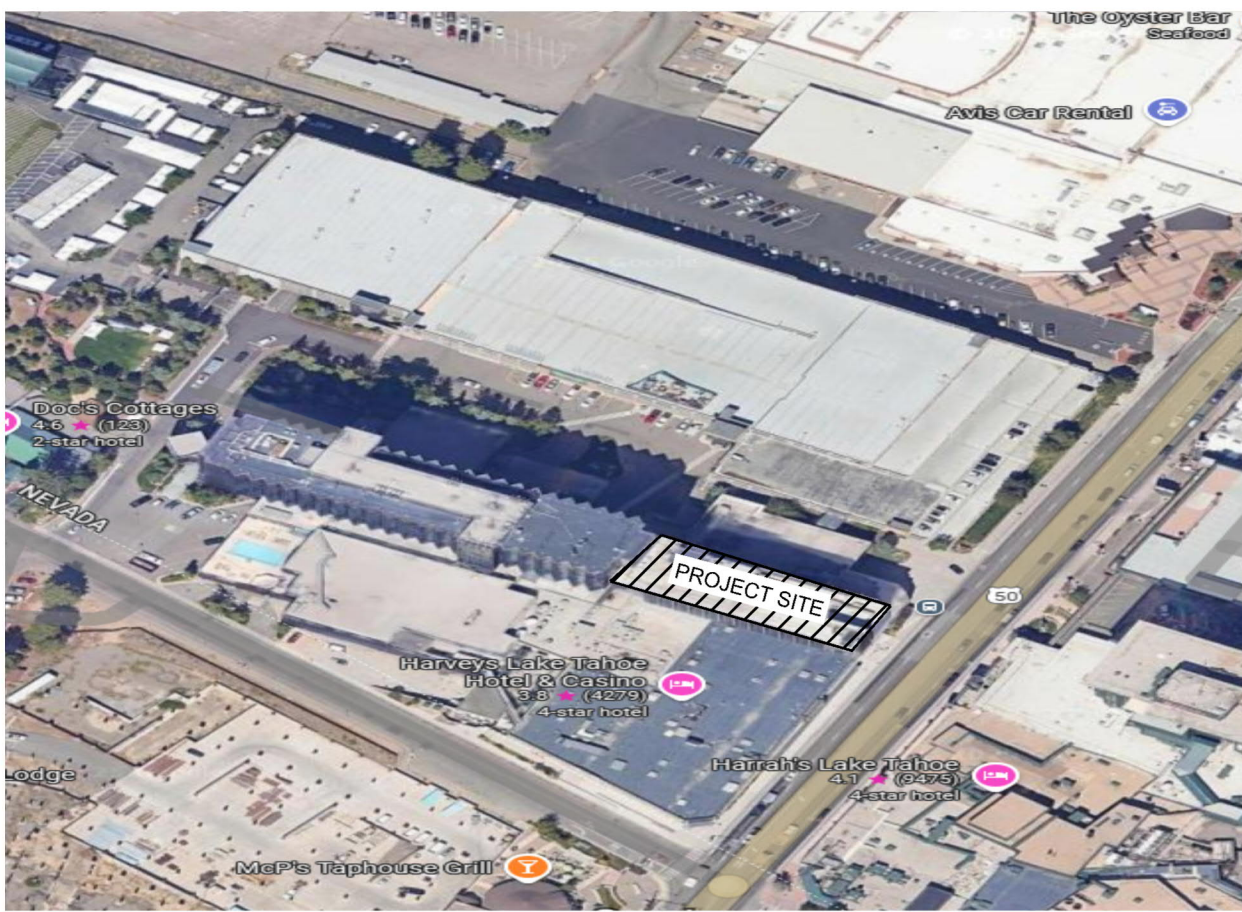
HAS BEEN CONTRACTED TO DO A HEAD SWAP ON AN EXISTING, WET PIPE SPRINKLER SYSTEM IN A HOTEL. SSU SPRINKLERS WILL PROTECT MAINTENANCE AREAS AND STAIR WELLS. HSW AND SSP WILL PROTECT THE GUEST ROOMS, HALLWAYS, AND LOBBIES. THIS WORK WILL BE CONDUCTED ON LEVELS 4-11 OF THE HOTEL. APPX. 12,000 SF ON EACH LEVEL. NO WORK WILL BEGIN UNTIL PLANS HAVE BEEN APPROVED.

GENERAL INFORMATION

1. INTERNATIONAL BUILDING CODE (2018)
- 1.1 OCCUPANCY: TYPE R-1, S-1
- 1.2 TYPE OF CONSTRUCTION: I-A
- 1.3 AUTHORITY HAVING JURISDICTION (AHJ): TAHOE DOUGLAS FIRE PROTECTION DISTRICT
- 1.4 SPRINKLERED AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)
- FLOOR 4 (WET) = 12,000 S.F.
- FLOOR 5 (WET) = 12,000 S.F.
- FLOOR 6 (WET) = 12,000 S.F.
- FLOOR 7 (WET) = 12,000 S.F.
- FLOOR 8 (WET) = 12,000 S.F.
- FLOOR 9 (WET) = 12,000 S.F.
- FLOOR 10 (WET) = 12,000 S.F.
- FLOOR 11 (WET) = 12,000 S.F.
- 1.5 DESIGN & INSTALLATION STANDARDS: NFPA-13 (2022)
2. DESIGN CRITERIA:
- 2.1 LIGHT HAZARD AREAS INCLUDE OFFICE/ADMINISTRATIVE, GUEST ROOMS, RESTROOMS, AND CORRIDORS
- 2.2 ORDINARY HAZARD GROUP I AREAS INCLUDE MECHANICAL, ELECTRICAL ROOMS AND LAUNDRIES
3. SYMBOLS USED ON DRAWINGS:
- [OH1] ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD U.N.O.)
- 9'-0" CEILING HEIGHT
- FIRE RATED WALL
- [Hatched] OMIT FIRE SPRINKLERS IN THESE AREAS



Sprinkler Legend- FLOORS 4 - 11										
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Note
▶	Tyco	TY4522	RFII	219	5.6	Horizontal Concealed Sidewall	1/2"	Quick	Brass	160°F WHITE PLATE CONCEALED
●	Tyco	TY3531	Royal Flush II	749	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F WHITE PLATE CONCEALED
○	Tyco	TY3113	TY-FRB	64	5.6	Upright	1/2"	Quick	Brass	155°F N/A
▷	Tyco	TY3521	RFII	15	5.6	Horizontal Concealed Sidewall	1/2"	Quick	Brass	160°F WHITE PLATE CONCEALED
				Total = 1047						



VICINITY MAP

NOT TO SCALE

FIRE SPRINKLER PLANS

SITE PLAN & BUILDING SECTIONS

HARVEY'S MOUNTAIN TOWER REMODEL

18 HIGHWAY 50

STATELINE, NV 89449

APN 1318-27-002-002

Sheet Title

Project

DRAWN BY: MLM
CHECKED BY: RKS
DATE: 2-25-25
PROJECT NO. #25903

SCALE: AS NOTED

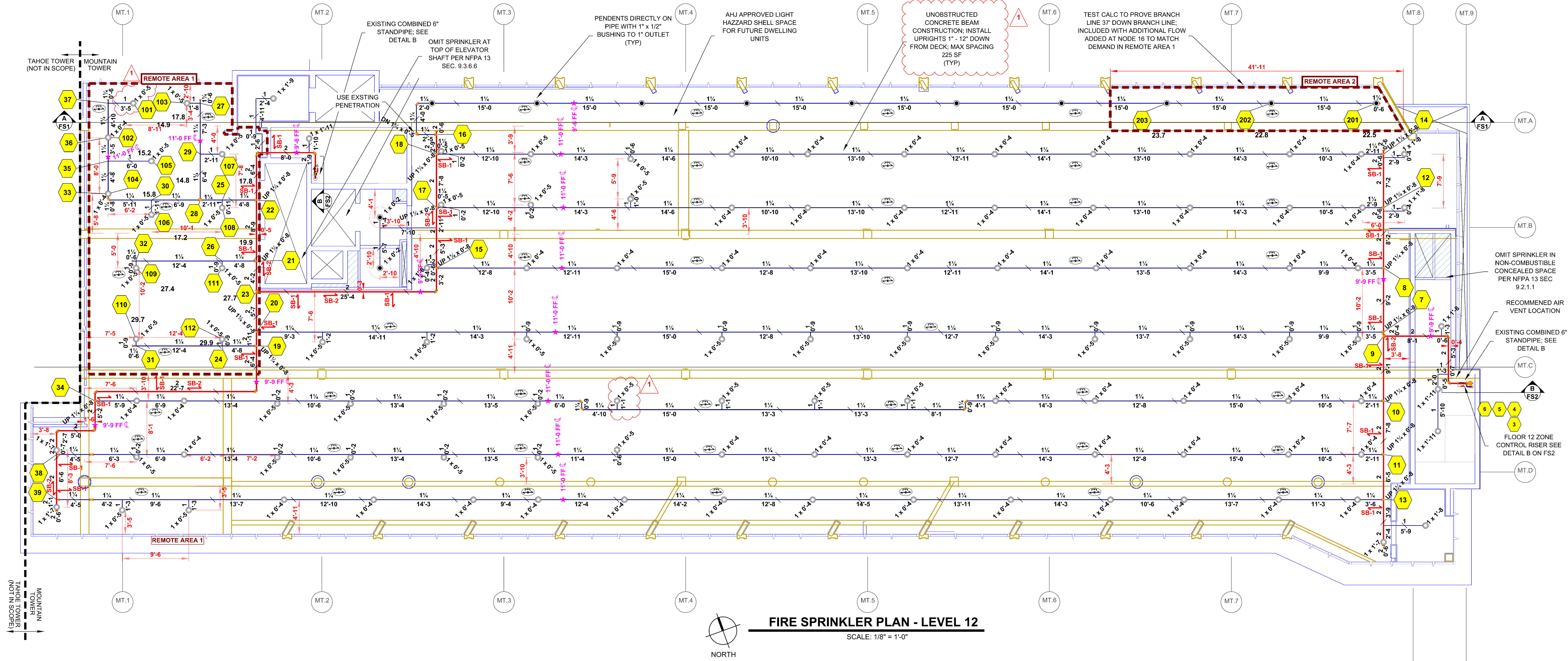
Sheet No:

FS1 of 3



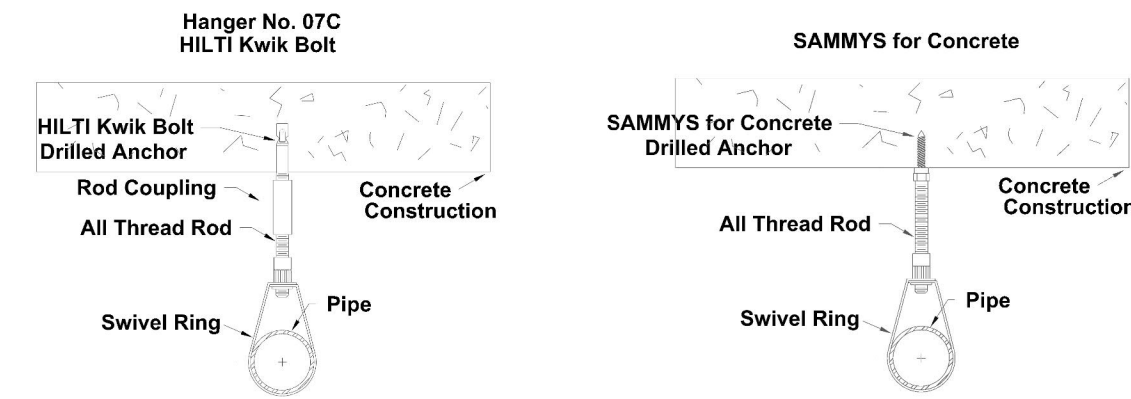
Sprinkler Legend- FLOORS 4 - 11											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temp	Note
	Tyco	TY4522	RFIII	219	8	Horizontal Concealed Sidewall	¾"	Quick	Brass	160°F	WHITE PLATE CONCEALED
	Tyco	TY3531	Royal Flush II	740	5.6	Concealed Pendant	¾"	Quick	Brass	155°F	WHITE PLATE CONCEALED
	Tyco	TY-FRB	TY-FRB	64	5.6	Upright	¾"	Quick	Brass	155°F	N/A
	Tyco	TY3521	RFIII	15	5.6	Horizontal Concealed Sidewall	¾"	Quick	Brass	160°F	WHITE PLATE CONCEALED
				Total = 1047							

BRANCH LINE TEST CALC	
Remote Area 2	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft)	0.10 for 1500ft ² (Actual 250ft ²)
QUICK RESPONSE REDUCTION	12'-0" Ceiling (37.0%) 945ft ²
TOTAL HEADS FLOWING	3
K-FACTOR	5.6
TOTAL WATER REQUIRED	248.0
TOTAL PRESSURE REQUIRED	152.5
BASE OF RISER (gpm)	248.0
BASE OF RISER (psi)	81.4
SAFETY MARGIN (psi)	+11.9 (7.3%)
*NOTE: TEST CALC TO PROVE BRANCH LINE 3" DOWN BRANCH LINE; INCLUDED WITH ADDITIONAL FLOW ADDED AT NODE 16 TO MATCH DEMAND IN REMOTE AREA 1	
EXISTING TANK AND PUMP SYSTEM HOSE ALLOWANCE OMITTED	



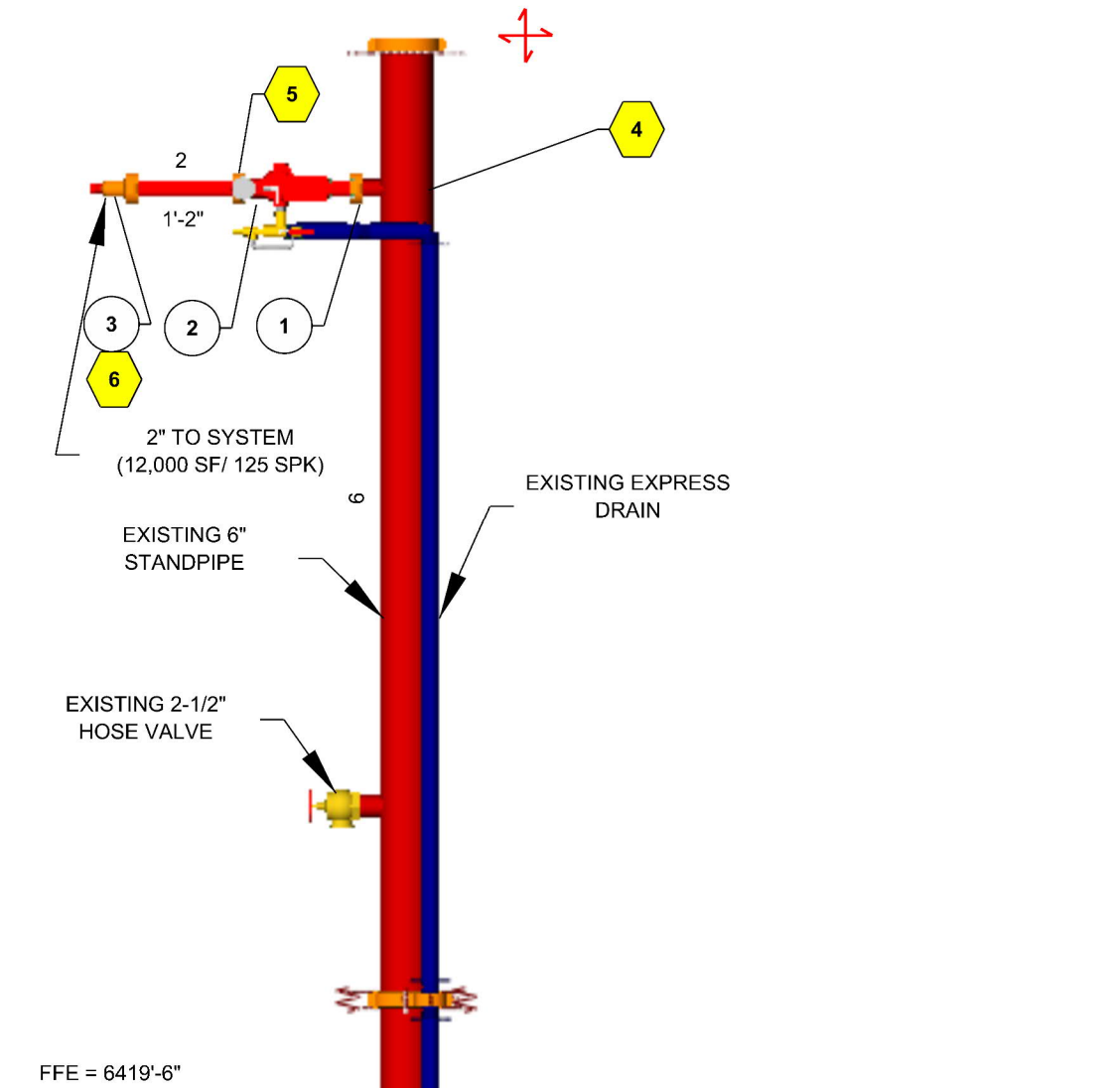
Hydraulic Information	
Remote Area 1	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft)	0.10 for 1500ft ² (Actual 990ft ²)
QUICK RESPONSE REDUCTION	12'-0" Ceiling (37.0%) 945ft ²
TOTAL HOSE STREAMS	9.0
TOTAL HEADS FLOWING	12
K-FACTOR	5.6
TOTAL WATER REQUIRED	248.0
TOTAL PRESSURE REQUIRED	134.6
BASE OF RISER (gpm)	248.0
BASE OF RISER (psi)	63.5
SAFETY MARGIN (psi)	+29.8 (18.1%)
NOTE: REMOTE AREA REDUCED BY 37% PER NFPA 13 SEC. 19.2.3.3.3. EXISTING TANK AND PUMP SYSTEM HOSE ALLOWANCE OMITTED	

Sprinkler Legend- 12th FLOOR									
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish
●	Tyco	TY323	TY-FRB	12	5.6	Pendent	1/2"	Quick	Natural Brass
○	Tyco	TY313	TY-FRB	113	5.6	Upright	1/2"	Quick	Brass
				Total = 125					



MAXIMUM DISTANCE BETWEEN HANGERS (FT.-IN.)									
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	NA	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	NA	12-0	12-0	12-0	12-0	NA	NA	NA	NA

Parts Legend - ZONE CONTROL RISER			
Key Note	Size	Description	Quantity
1	2	Rigid Coupling, Org. E Gasket	4
2	2	VICTAULIC 2" UMC	1
3	2	Grooved Short Radius, 90° Elbow, DI, Org	1



FIRE SPRINKLER PLANS
12th FLOOR PROTECTION PLAN

HARVEY'S MOUNTAIN TOWER REMODEL
18 HIGHWAY 50
STATELINE
NV 89449

DRAWN BY: MLM
CHECKED BY: ADK
DATE: 28 JUL 2025
PROJECT NO.

Sheet 2 of 2
FP 2.0
PLOTED: 08/25/25 11:23



Sprinkler Legend- FLOORS 4 - 11											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temp	Note
	Tyso	TY4522	RFIII	219	8	Horizontal Concealed Sidewall	3/4"	Quick	Brass	160°F	WHITE PLATE CONCEALED
	Tyso	TY3331	Royal Flush II	749	5.6	Concealed Pendent	3/4"	Quick	Brass	155°F	WHITE PLATE CONCEALED
	Tyso	TY3313	TY-FRB	640	5.6	Upright	3/4"	Quick	Brass	155°F	N/A
	Tyso	TY3521	RFIII	16	5.6	Horizontal Concealed Sidewall	3/4"	Quick	Brass	160°F	WHITE PLATE CONCEALED
				Total =	1047						