PROJECT SUMMARY: MAURER RESIDENCE PROJECT NAME: PROJECT ADDRESS: 733 CHAMPAGNE RD, INCLINE VILLAGE, NV APN: PROJECT TYPE: NEW T.I. TYPE OF CONSTRUCTION: OCCUPANCY GROUP(S): OCCUPIED LEVELS: TOTAL SPRINKLERED AREA: 6880 SQ. FT. □NFPA 13 VNFPA 13R □NFPA 13D NFPA CODE REQUIREMENT: NUMBER OF SYSTEMS: SYSTEM TYPE(S): ■ WET MANTI-FREEZE DRY PREACTION TOTAL SPRINKLERS:

SEE FIRE SPRINKLER NOTES THIS SHEET

SPRINKLER SPACING

SPECIAL NOTES:

A SINGLE PENDENT SPRINKLER MAY BE SPACED AT A MAXIMUM OF 20'x20'(400sq. ft.) OR UP TO 10' OFF A WALL. (MINIMUM 8'-0" BETWEEN SPRINKLERS)
 FOUR OR MORE HEADS IN A COMPARTMENT SHALL BE SPACED AT A MAXIMUM OF 16'x16'(256sq. ft.) OR UP TO 8' OFF A WALL. (MINIMUM 8'-0" BETWEEN SPRINKLERS)
 SPRINKLERS SHALL BE MEASURED AT PERPENDICULAR ANGLES TO WALLS AND ALONG THE SLOPES OF CEILINGS.

THIS FIRE SPRINKLER SYSTEM UTILIZES
THE NOBLE COMPANY FIREFIGHTER
ELIMINATOR ANTI-FREEZE SOLUTION

SPRINKLER HEAT ZONES:

ORDINARY
TEMP SPRINKLER

HEAT SOURCE:

SIDE OF OPEN OR RECESSED FIRE PLACE
FRONT OF RECESSED FIRE PLACE
COAL OR WOOD BURNING STOVE
RANGE/OVEN, HOT AIR FLUES & 18"
UNINSULATED HEAT DUCT
UNINSULATED HOT WATER PIPES & 12"
SIDE OF CEILING OR WALL MOUNTED
HOT AIR DIFFUSERS
FRONT OF WALL MOUNTED HOT AIR DIFFUSERS
FRONT OF WALL MOUNTED HOT AIR DIFFUSERS
FRONT OF WALL MOUNTED HOT AIR DIFFUSERS
FRONT WATER FURNACE, LIGHT FIXTURE
O-250 WATT

PIPE VOLUMES:
MAIN & UPPER LEVELS
(ZONE 1)
CPVC

TOTAL PIPE FOOTAGE AND CAPACITY: 1" = 377' (18.64 GAL) 1-1/4" = 245' (19.42 GAL)

TOTAL VOLUME: ± 38.07 GALLONS

PIPE VOLUMES: LOWER MECH & LOWER LEVELS (ZONE 2) CPVC

TOTAL PIPE FOOTAGE AND CAPACITY: 1" = 302' (14.94 GAL) 1-1/4" = 26' (2.06 GAL)

TOTAL VOLUME: ±17.00 GALLONS

NFPA 13 - Table A.7.2.3 Capacity of 1 ft of pipe (Based on Actual Internal Pipe Diameter)								
Nominal Pipe Diameter (in.)		Pipe Schedule 40 Schedule 10 (gal)						
1	0.045	0.049	0.049					
11/4	0.078	0.085	0.079					
11/2	0.106	0.115	0.104					
2	0.174	0.190						
21/2	0.248	0.283						

SUBMITTAL

NO SPRINKLERS REQUIRED IN:

BATHROOMS 55 SQ.FT. OR LESS IN AREA PER NFPA 13R SECTION 6.6.2

CLOSETS 24 SQ.FT. OR LESS IN AREA PER NFPA 13R SECTION 6.6.3

PROJECT SQUARE FOOTAGES

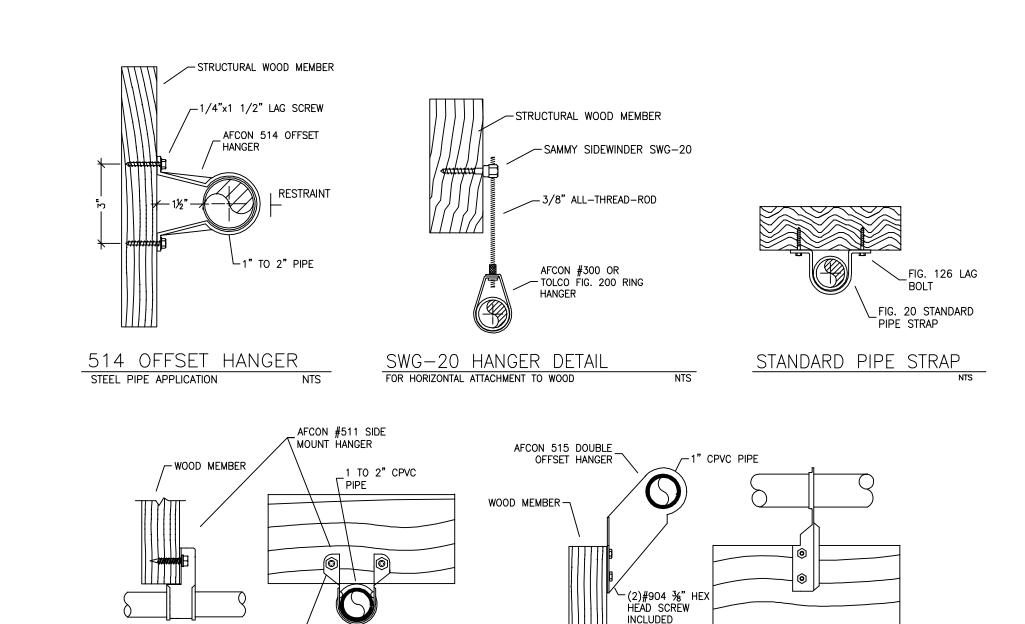
LOWER MECH (ZONE 2) = 599 S.F.

LOWER LEVEL (ZONE 2) = 2175 S.F.

MAIN LEVEL (ZONE 1) = 2641 S.F.

UPPER LEVEL (ZONE 1) = 1465 S.F.

		Nominal Pipe Size (in.)									
	3/4	1	11/4	11/2	2	21/2	3	4	6	8	
Steel Pipe except threaded lightwall	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	
Threaded lightwall steel pipe	N/A	12-0	12-0	15-0	15-0	15-0	15-0	N/A	N/A	N/A	
Copper tube	8-0	8-0	10-0	10-0	12-0	12-0	12-0	15-0	15-0	15-0	
CPVC	5-6	6-0	6-6	7-0	8-0	9-0	10-0	N/A	N/A	N/	



HANGER DETAILS

SIDE VIEW

515 DOUBLE OFFSET HANGER

CPVC PIPE APPLICATION

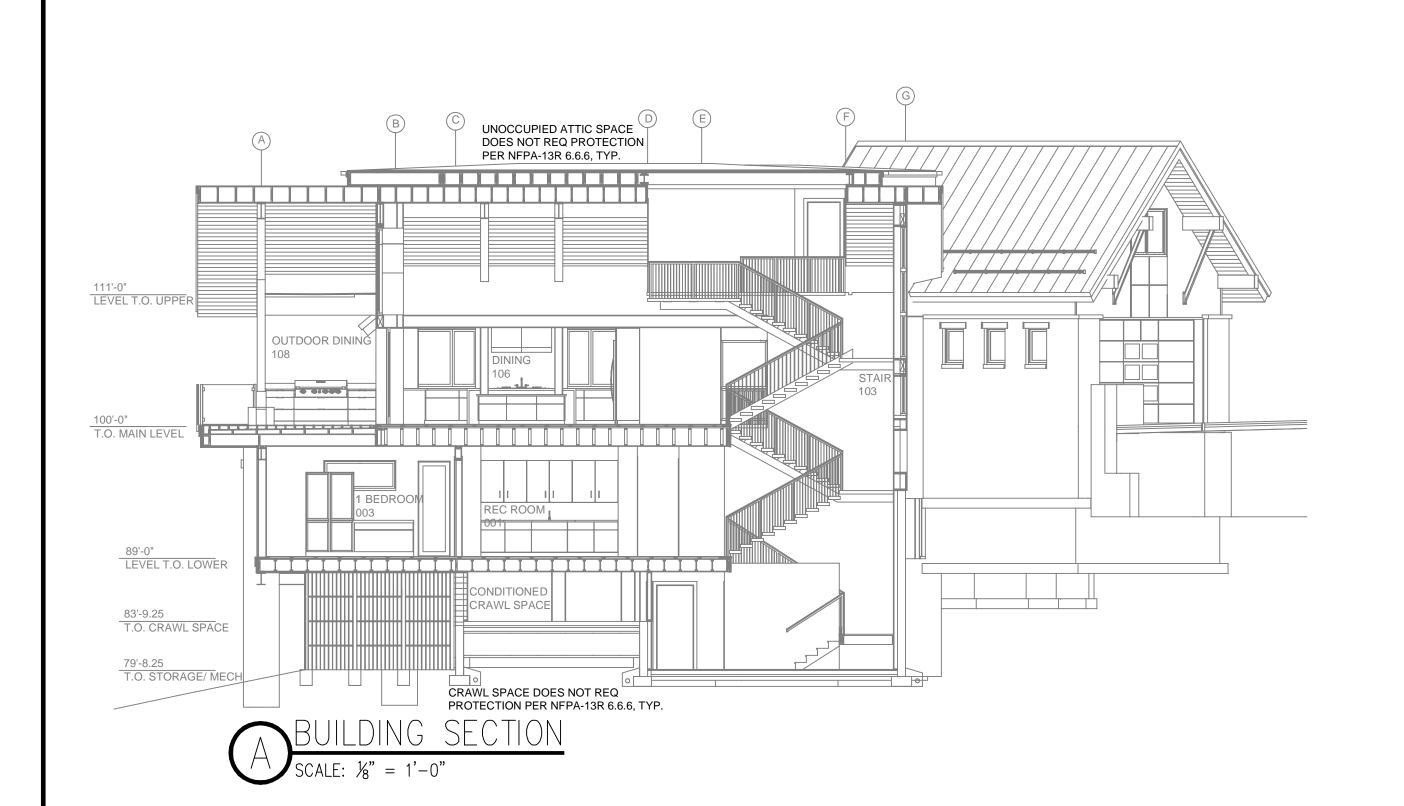
SIDE VIEW

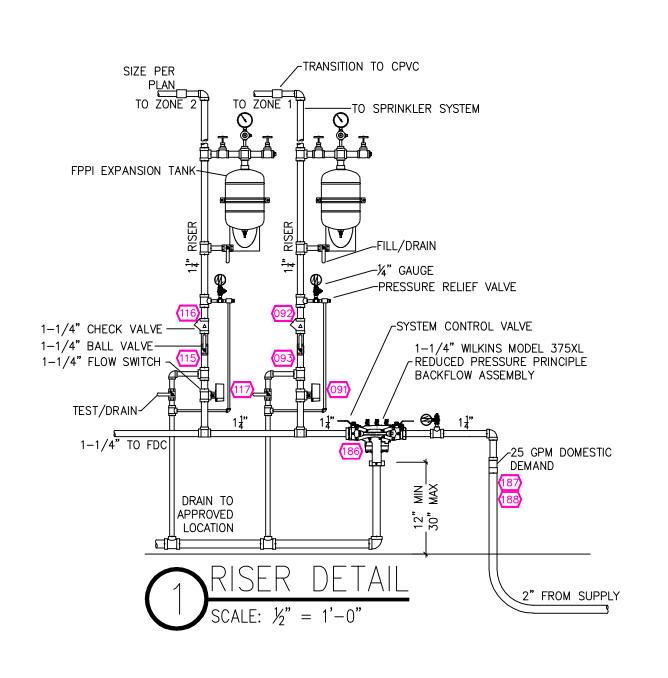
CPVC PIPE APPLICATION

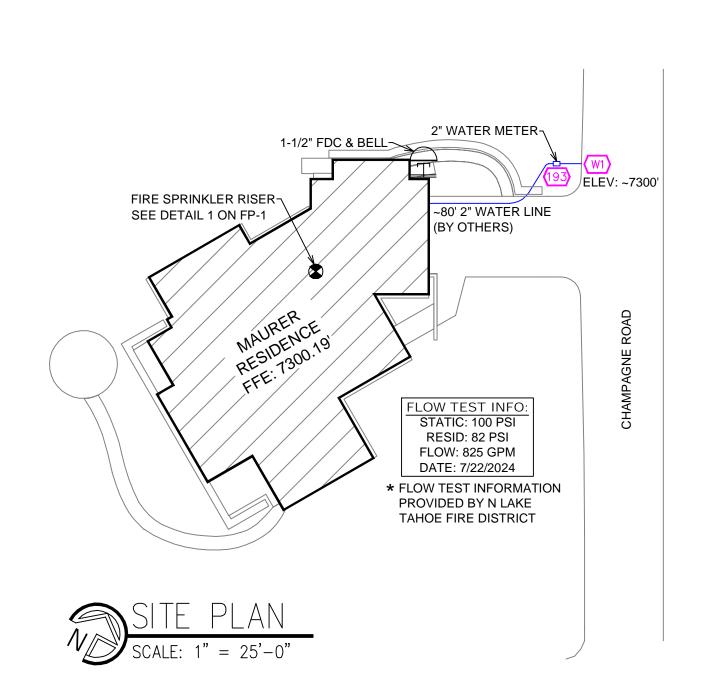
/ INCLUDED:

511 SIDE MOUNT HANGER

(2)#905 5/6" HEX HEAD SCREWS









MAURER RESIDENCE
733 CHAMPAGNE ROAD
INCLINE VILLAGE, NV

