

OWNER REVIEW \_\_\_\_\_ DATE \_\_\_\_\_  
NAME \_\_\_\_\_

**GENERAL PIPING ABBREVIATIONS:**

Abbrev.	Description
AF	ABOVE FINISHED FLOOR GRADE
AP	ACCESS PANEL
BFP	BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE
CL	CAST IRON CENTERLINE
CONN	CONNECT
CTE	CONNECT TO EXISTING CENTER TO CENTER
DN	DRAWER
DN	DOWN
DWC	DRAIN VALVE
DY	DRAIN
ELEV	ELEVATION
ELEC	ELECTRIC TO BE REMOVED EXISTING TO REMAIN EXISTING TO BE REMOVED
ETR	EXISTING TO REMAIN
ETR	EXISTING TO BE REMOVED
GAL	GALLONS PER MINUTE
GRA	GRADE
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IN	INCHES
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NC	NOT IN CONTRACT
No.	NUMBER
OC	ON CENTER
PRV	PRESSURE REGULATING VALVE
RED	REDUCER
RV	RELIEF VALVE
SSH	STAINLESS STEEL
SS	STAINLESS STEEL
TYP	TYPICAL
W	WATER
W/S	WATER TIGHT SEAL
DN	PIPE DOWN THROUGH FLOOR
UP	PIPE UP THROUGH FLOOR ABOVE
DR	PIPE DROP
TR	PIPE DROP & RUN
TR	PIPE DROP & TURN
BR	BRANCH RISE
BR	BRANCH DROP
TEE	TEE
CP	CAP
CR	CONCENTRIC REDUCER
CR	ECCENTRIC REDUCER
UN	SCREWED UNION
UN	FLANGED UNION
FC	FLEXIBLE CONNECTOR
STR	STRAINER
SG	SLEEVE/GUIDE
PG	PRESSURE GAUGE
SO	SHUT-OFF VALVE
OS	OSBY GATE VALVE W/ TAMPER SWITCH
LV	VALVE WITH LOCKED HANDLE
VV	VALVE IN VERTICAL
RV	RELIEF VALVE
PRV	PRESSURE REGULATING VALVE
BV	BALL VALVE
BU	BUTTERFLY VALVE
SA	SOLENOID ACTUATOR
CV	CHECK VALVE
FA	FLOW ARROW
M	METER
P	PITCH (REFER TO SPEC)
PL	PIPING LOOP
VT	VALVE TAG

**FIRE PROTECTION ABBREVIATIONS:**

DCVA	DOUBLE CHECK VALVE ASSEMBLY
DR	DRAIN PIPING
F	FIRE SERVICE
FCVA	FLOOR CONTROL VALVE ASSEMBLY
FDC	FIRE DEPARTMENT CONNECTION
FDC	FIRE DEPARTMENT VALVE CABINET
FHC	FIRE HOSE CABINET
FP	COMBINATION FIRE PROTECTION
ITS	INSPECTOR'S TEST STATION
PIV	POST INDICATOR VALVE
SACV	SPRINKLER ALARM CHECK VALVE
SPK	SPRINKLER
WV	WALL INDICATING VALVE

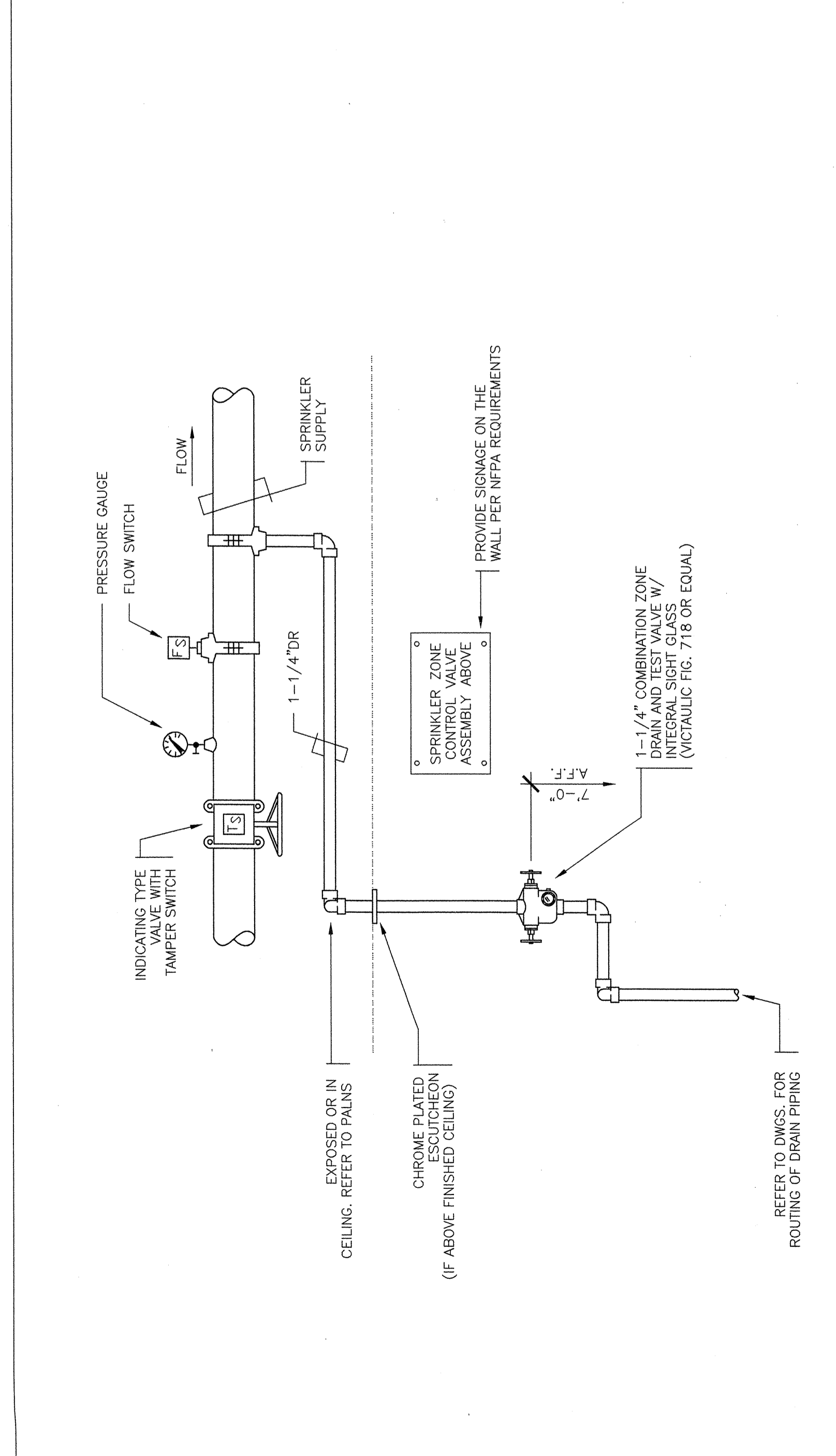
**FIRE PROTECTION SYMBOLS:**

Symbol	Description
DCVA	DOUBLE CHECK VALVE ASSEMBLY
EB	ELECTRIC BELL
WMG	WATER MOTOR CONG
FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH
FDC	FIRE DEPARTMENT CONNECTION (2-WAY)
FDC	FIRE DEPARTMENT CONNECTION (STORZ)
FDV	FIRE DEPARTMENT VALVE
FDVC	FIRE DEPARTMENT VALVE CABINET
FHC	FIRE HOSE CABINET
FOVA	FLOOR CONTROL VALVE ASSEMBLY
EC	RECESSED SPRINKLER HEAD (EXTENDED COVERAGE)
EC	UPRIGHT SPRINKLER HEAD
EC	CONCEALED SPRINKLER HEAD
EC	SIDEWALL SPRINKLER
DP	HYDRAULIC REFERENCE POINT
DP	DRY PENDANT SPRINKLER W/ 1/2" MINIMUM BARREL
DS	DRY SIDEWALL SPRINKLER W/ 1/2" MINIMUM BARREL
SPK	PIPE SIZE AND SERVICE LABEL

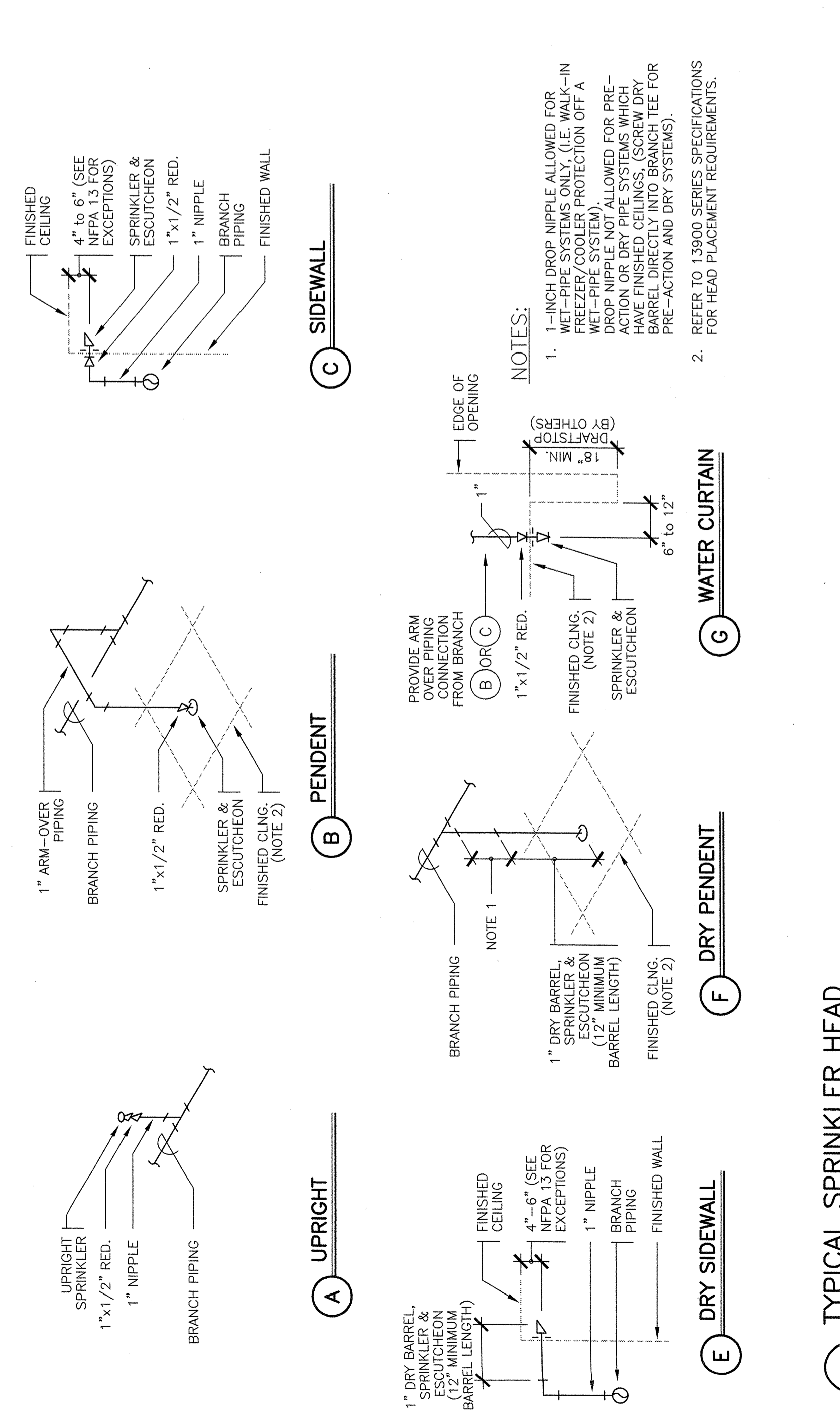
**FIRE PROTECTION GENERAL NOTES:**

1. THE FIRE PROTECTION CONTRACTOR SHALL BE FAMILIAR WITH ALL CONTRACT DOCUMENTS FOR ALL TRADES AND COORDINATE WITH OTHER CONTRACTORS.
2. DRAWINGS ARE DIAGRAMMATIC ONLY. FINAL ROUTING OF PIPING AND EQUIPMENT LOCATIONS SHALL BE DETERMINED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
3. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL ELECTRICAL PLUMBING & HVAC REQUIREMENTS WITH THE ELECTRICAL, PLUMBING AND HVAC CONTRACTORS.

**2 FLOOR CONTROL VALVE ASSEMBLY**  
SCALE: N.T.S.



**UPRIGHT SPRINKLER HEAD**  
SCALE: N.T.S.



**1 TYPICAL SPRINKLER HEAD PIPING DETAILS**  
SCALE: N.T.S.

