FIRE SUPPRESSION LEGEND

SYMBOL	DESCRIPTION	ABBREV.
—D—	DRAIN	
—DW—	DOMESTIC WATER	
—F—	FIRE PROTECTION WATER	F
—AS—	AUTOMATIC FIRE SPRINKLER (WET)	AS
FSD	FLOOR SINK DRAIN	FSD
	CONCENTRIC REDUCER	CR
	ECCENTRIC REDUCER	ER
	UNION	UN
	EXPANSION JOINT	EJ
BDCD	DOUBLE CHECK DETECTOR BACKFLOW PREVENTER	BDCD
	ANGLE VALVE	ANV
	PIPE ABOVE FLOOR, TYPE AS INDICATED BY SYMBOL	
	PIPE BELOW FLOOR, TYPE AS INDICATED BY SYMBOL	
	INDICATES PIPE TO BE REMOVED OR ABANDONED	
	DIRECTION OF PITCH DOWN	
	DIRECTION OF FLOW	
	VALVE IN RISER, (TYPE AS SPECIFIED OR NOTED)	
	RISER DOWN (ELBOW)	
	RISER UP (ELBOW)	
	RISER OR DROP	
	BRANCH - TOP CONNECTION	
	BRANCH - BOTTOM CONNECTION	
	BRANCH - SIDE CONNECTION	
	CAP ON END OF PIPE	CAP
	PLUGGED TEE	PT
NC	NORMALLY CLOSED SHUT-OFF VALVE	
	PLUMBING DIAGRAM OR DETAIL INDICATOR	
	DIAGRAM OR DETAIL NUMBER	
	DIAGRAM OR DETAIL SHEET NUMBER	
	PLAN SHEET NUMBER	
	BELOW FLOOR	B/F
	FROM BELOW	F/B
	ABOVE CEILING	A/C
N	CHECK VALVE	CV
	FROM ABOVE	F/A

FIRE SUPPRESSION LEGEND

SYMBOL	DESCRIPTION	ABBREV.
	ABOVE FINISHED FLOOR	AFF
	FINISHED FLOOR	FF
	BELOW FINISHED FLOOR	BFF
	BELOW FINISHED GRADE	BFG
	ABOVE FINISHED GRADE	AFG
	CENTERLINE ELEVATION	℄ EL.
	INVERT ELEVATION	I.E.
	TOP ELEVATION	T.E.
	FLOW LINE ELEVATION	F.L.
	EQUIPMENT	EQUIP.
	ROUGH-IN ONLY	R-I-O
	ROUGH-IN AND MAKE FINAL CONNECTION	R-I-C
	CONNECTION	CONN.
	EXISTING	EXIST, (E)
	EACH	EA.
	ON CENTER EACH WAY	O.C.E.W.
	DUCTILE IRON	DI
	CAST IRON	CI
	STAINLESS STEEL	STS
	POLYVINYL CHLORIDE	PVC
	POLYPROPYLENE	PP
	POLYBUTYLENE	PB
	POLYETHYLENE	PE
	COPPER	CU
	DRAIN, WASTE, & VENT	DWV
FDC	FIRE DEPT. SIAMESE CONNECTION (FREESTANDING)	FDC
S	SUPERVISED VALVE	SV
F	FLOW SWITCH	FS
S	SUPERVISORY SWITCH	SSW
	MALE PIPE THREAD	MPT
	FEMALE PIPE THREAD	FPT
	NORMALLY CLOSED	NC
	UNLESS NOTED OTHERWISE	UNO

GENERAL NOTES

NOTE	DESCRIPTION
1	THE BUILDING SHALL BE FULLY SPRINKLED, EXCEPT FOR THE BUILDING CRAWL SPACE AS SHOWN ON DRAWINGS. DESIGN AND PROVIDE A WET PIPE TYPE AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13-1991 AND NFPA 24-1992.
2	PROVE AND HYDRAULICALLY CALCULATE BY THE AREA/DENSITY METHOD THE MOST REMOTE AREA OF THE AUTOMATIC SPRINKLER SYSTEM BACK TO THE EXISTING 8" LOOPED WATER MAIN. BASE CALCULATIONS ON 42 PSI STATIC PRESSURE AND 20 PSI RESIDUAL PRESSURE WITH 1250 GPM FLOWING. SPRINKLER ZONE IS INDICATED ON THE DRAWING. BASE CALCULATIONS ON THE OCCUPANICY REQUIREDMENTS AS INDICATED IN THE SPECIFICATIONS. PROVIDE AN ADDED HOSE ALLOWANCE OF 250 GPM AT THE POINT OF CONNECTION TO THE SITE WATER DISTRIBUTION MAIN.
3	CONCEAL PIPING ABOVE CEILINGS AND PROVIDE SEMI-RECESSED LOW PROFILE, WHITE PENDANT TYPE SPRINKLER HEADS AND ESCUTCHEONS IN AREAS WITH NO CEILINGS RUN PIPING AS HIGH AS POSSIBLE AND PROVIDE BRASS UPRIGHT TYPE SPRINKLER HEADS.
4	PROVIDE DRAINS AND INSPECTORS TEST STATION TO COMPLETELY DRAIN AND TEST ZONE.
5	PROVIDE ACCESS PANELS FOR VALVES AND FLOW SWITHCES LOCATED IN INACCESSIBLE CEILINGS OR SPACES.
6	CUTTING AND PATCHING OF THE BUILDING SHALL MATCH EXISTING FEATURES AND FINISHED SURFACES TO THE SATISFACTION OF THE CONTRACTING OFFICER REPRESENTATIVE AT NO ADDITIONAL COST.
7	MAKE ALL NECESSARY OFFSETS FOR EXISTING ARCHITECTURAL, STRUCTRUAL AND MECHANICAL FEATURES OF THE BUILDING WHERE NECESSARY TO ACCOMPLISH THE WORK AS INDICATED. WHERE PROBLEMS ARE ENCOUNTERED THAT ARE UNABLE TO BE RESOLVED ON THE JOBSITE, NOTIFY THE CONTRACTING OFFICER REPRESENTATIVE IN WRITING FOR DECISION.
8	ALL EXTERIOR EXPOSED MATERIALS SHALL BE POLISHED BRASS.
9	PROVIDE "AS-BUILT" DRAWINGS AT END OF INSTALLATION.
10	ALL PIPE SIZES SHOWN ON DRAWINGS ARE MINIMUM PIPE SIZES. PROVIDE INCREASED PIPE SIZE IF REQUIRED BY HYDRAULIC CALCULATIONS AT NO ADDITIONAL COST, BUT UNDER NO CIRCUMSTANCE SHALL PIPE SIZES BE REDUCED.
11	WHEN PENETRATING FIRE RATED ENCLOSURE, PROVIDE FIRE RATED SEALS AROUND PENETRATIONS EQUAL TO THE FIRE RATING OF THAT ENCLOSURE. SEE ARCHITECTURAL FIRE PROTECTION DRAWINGS FOR FIRE RATED ENCLOSURE.
12	THE DRAWINGS INDICATE THE INTENDED ARRANGEMENT OF EQUIPMENT AND ROUTING OF MECHANICAL AND ELECTRICAL SERVICES. COORDINATE THE WORK WITH ALL OTHER TRADES, AND IDENTIFY ANY REQUIRED ADJUSTMENTS PRIOR TO INSTALLATION OF WORK.
13	ALL ON-SITE WELDING, CUTTING, BRAZING, OR USE OF OPEN FLAME MUST BE APPROVED BY THE FORT SILL FIRE DEPARTMENT IN ADVANCE TO OBTAIN PERMIT. CALL 351-5911, 24 HOURS IN ADVANCE TO OBTAIN PERMIT.

Revisions

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05-19-93

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Drawing Title: LEGEND AND GENERAL NOTES
FIRE SUPPRESSION

Approved: Area Project Manager

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Building Number: 4303 | Checked: TSB | Drawn: YZM

Location: LAWTON, OK

Date: 5-19-93 | YH #904600

Project No. 635-085

DRAWING NO. FP1 Dwg. Of 3FP

Office of Facilities

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