



DESIGN DATA: CALCULATION #1
 AREA: ZONE #1 WAREHOUSE
 HAZARD: ESFR CLASS I - IV COMMODITY
 OCCUPANCY: COMMERCIAL
 NO. SPRINKLERS CALCULATED: 14
 MAX AREA PER SPRINKLER: 100 SQ. FT.
 HOSE ALLOWANCE: 250 GPM
 TOTAL WATER REQUIRED: 1986.9 GPM
 TOTAL PRESSURE REQUIRED: 45.8 PSI

WAREHOUSE ZONE 1 & 2 FIRE SPRINKLER PLAN PART A

SCALE: 1/8" = 1'-0"
 CLASS I-IV OCCUPANCY UNLESS OTHERWISE NOTED
 TYPE OF CONSTRUCTION: STEEL & CONCRETE BEAMS W/ CONCRETE DECK

SCOPE OF WORK
 RANGER FIRE SHALL INSTALL 3 NEW AUTOMATIC WET PIPE FIRE SPRINKLER SYSTEMS INCLUDING A FIRE PUMP IN BUILDING OF NON-COMBUSTIBLE OBSTRUCTED & UNOBSTRUCTED CONSTRUCTION.

FIRE SPRINKLER NOTES
 SYSTEM DESIGNED AS PER NFPA #13 1999 EDITION

ZONE 1 PART A: 304 TOTAL NEW SPRINKLER HEADS W/ DEFLECTORS @ 17"-12" FROM BOTTOM OF CEILING/ DECK.
 ZONE 2 PART A: 284 TOTAL NEW SPRINKLER HEADS W/ DEFLECTORS @ 17"-12" FROM BOTTOM OF CEILING/ DECK.
 ZONE 1 PART A: 25,134 SQ.FT PROTECTED ON WET SYSTEM
 ZONE 2 PART A: 24,104 SQ.FT. TOTAL AREA PROTECTED ON WET SYSTEM

CONTRACTOR SHALL:
 PROVIDE REQUIRED SIGNS & FLUSHING CONNECTIONS.
 CONTRACTORS MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDERGROUND
 PIPE SHALL BE SUBMITTED TO THE FIRE MARSHAL PRIOR TO APPROVAL OF THE INSTALLATION.

PIPE MATERIAL
 1" - 1 1/2" SCH. 40 THREADED BLACK STEEL W/ THREADED CAST IRON FITTINGS
 2" - 10" SCH. 10 GROOVED BLACK STEEL W/ GROOVED FITTINGS W/ MECHANICAL OUTLETS
 ALL DIMENSIONS & ELEVATIONS ARE CENTERLINE OF PIPE & STEEL UNLESS NOTED OTHERWISE

DESIGN DATA: CALCULATION #2
 AREA: ZONE #2 WAREHOUSE
 HAZARD: ESFR CLASS I - IV COMMODITY
 OCCUPANCY: COMMERCIAL
 NO. SPRINKLERS CALCULATED: 14
 MAX AREA PER SPRINKLER: 100 SQ. FT.
 HOSE ALLOWANCE: 250 GPM
 TOTAL WATER REQUIRED: 1984.7 GPM
 TOTAL PRESSURE REQUIRED: 48.2 PSI

DESIGN DATA: CALCULATION #3
 AREA: ZONE #2 DRIVE THRU
 HAZARD: EXTRA HAZARD GROUP 1
 OCCUPANCY: COMMERCIAL
 DENSITY: .30 GPM/FT. 2500 SQ. FT.
 NO. SPRINKLERS CALCULATED: 31
 MAX AREA PER SPRINKLER: 100 SQ. FT.
 HOSE ALLOWANCE: 500 GPM
 TOTAL WATER REQUIRED: 1488.4 GPM
 TOTAL PRESSURE REQUIRED: 20.0 PSI



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REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

OWNER:

QTY	BLOC	ESCUTCHEON	FINISH	TEMP	SYMBOL	MAKE	MODEL	SN	K	DRIP	TEMP
8	RELIABLE	ESFR	COURT	34"	185	BRONZE	N/A	N/A	N/A	N/A	N/A
6	TYCO	DRY	DRY	155	BRONZE	N/A	N/A	N/A	N/A	N/A	N/A
4	TYCO	SIDEWALL	155	BRONZE	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CONTRACTOR:

QTY	BLOC	ESCUTCHEON	FINISH	TEMP	SYMBOL	MAKE	MODEL	SN	K	DRIP	TEMP
888	TOTAL FOR THIS AREA										
1227	TOTAL FOR THIS PROJECT										

CONTRACT NAME: Standard Sales Company, L.P.
DESCRIPTION: NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM

CONTRACT #: 10-011
DATE: 05/07/10
SCALE: 1/8" = 1'-0"

DRAWN BY: P.J.H.
CHECKED BY: J.C.
DATE: 05/07/10
DWG. NO.: FP-02
SHEET: 2 OF 2