GENERAL NOTES

BASED ON SCOPE OF WORK & FIELD SURVEY PERFORMED BY PJH FIRE SPRINKLER DESIGN, L.L.C.

ALL FIRE SPRINKLER DESIGN AND INSTALLATION SHALL COMPLY WITH REQUIREMENTS OF NFPA 13, 14, 20, AND 24 EDITIONS AND THE LOCAL AUTHORITY HAVING JURISDICTION.

ALL MATERIALS USED SHALL BE NEW, U.L. LISTED AND / OR FM APPROVED, WHERE APPLICABLE, FOR USE IN AUTOMATIC FIRE SYSTEMS AND SHALL BE OF STANDARD INDUSTRY PRACTICE.

THIS DRAWING SHOWS THE LAYOUT OF THE SYSTEM AND INDICATES THE LOCATION OF FIRE SPRINKLER HEADS, PIPING, AND EQUIPMENT. THE PIPING IS TO BE INSTALLED IN THE APPROXIMATE LOCATION INDICATED. THE FIRE SPRINKLER CONTRACTOR SHALL BE REQUIRED TO SUIT FIELD CONDITIONS. CONRACTOR SHALL FURNISH ALL OFFSETS, ADDITIONAL FITTINGS, PIPE ADJUSTMENTS ETC., AS MAY BE REQUIRED TO MEET FIELD CONDITIONS.

THE FIRE SPRINKLER CONTRACTOR SHALL REVIEW DRAWINGS AND VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION AND INSTALLATION.

THE FIRE SPRINKLER CONTRACTOR SHALL USE ALL SPRINKLER HEADS, PIPE SIZES AND TYPES, FITTINGS, VALVES, AND ALL OTHER EQUIPMENT INDICATED ON DRAWINGS. EQUAL SUBSTITUTIONS SHALL BE USED WITH NOTIFICATION TO PJH FIRE SPRINKLER DESIGN, L.L.C. PRIOR TO FABRICATION AND INSTALLATION.

THE FIRE SPRINKLER CONTRACTOR IS TO REVIEW DRAWINGS AND VERIFY ALL FIELD CONDITIONS, MEASUREMENTS, PLANS AND STOCK LISTS, PRIOR TO FABRICATION AND INSTALLATION. PJH FIRE SPRINKLER DESIGN, L.L.C. SHALL BE NOTIFIED OF ANY REQUIRED CHANGES IN ORDER TO REVISE DRAWINGS AND STOCK LISTS PRIOR TO FABRICATION AND INSTALLATION. IF NOTIFICATION IS NOT GIVEN IN WRITTEN FORM, PJH FIRE SPRINKLER DESIGN, L.L.C. WILL NOT ASSUME THE RESPONSIBILITY OF THE PIPE FITTING.

THE FIRE SPRINKLER CONTRACTOR SHALL PERFORM AND MEET ALL CODE REQUIRED TESTS, AND FILE A MATERIAL AND TEST CERTIFICATE AS PER NFPA 13.

ALL ALARM WIRING IS TO BE IN ACCORDANCE WITH NFPA 72.

ALL WORK SHALL BE APPROVED BY AUTHORITIES HAVING JURISDICTION.

NOTES TO THE OWNER

THE FIRE SPRINKLER SYSTEM SHALL BE MAINTAINED AND TESTED REGULARLY BY YOU OR YOUR AGENTS IN ACCORDANCE WITH NFPA.

YOU SHALL MAINTAIN SUFFICIENT HEAT THROUGHOUT THE PREMISES TO PREVENT FIRE SPRINKLER SYSTEM FREEZING.

YOU SHALL INFORM TENANTS OF PROPER CARE NECESSARY TO MAINTAIN THE FIRE SPRINKLER SYSTEM.

IF THE CONSTRUCTION OR OCCUPANCY IS ALTERED IN ANY WAY,THE FIRE SPRINKLER SYSTEM WILL HAVE TO BE UPDATED ACCORDINGLY.

CONFIDENTIALITY STATEMENT

THIS DRAWING, INFORMATION AND DESIGN APPLICATION HEREIN CONTAINED, IS THE PROPERTY OF PJH FIRE SPRINKLER DESIGN AND IS LOANED UPON THE EXPRESS CONDITIONS THAT THE SAME BE RETURNED TO PJH FIRE SPRINKLER DESIGN UPON REQUEST. ALL INFORMATION HEREIN SHALL BE TREATED AS CONFIDENTIAL: NO REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF SHALL BE MADE WITHOUT THE ORIGINAL WRITTEN CONSENT OF PJH FIRE SPRINKLER DESIGN'S MANAGEMENT.

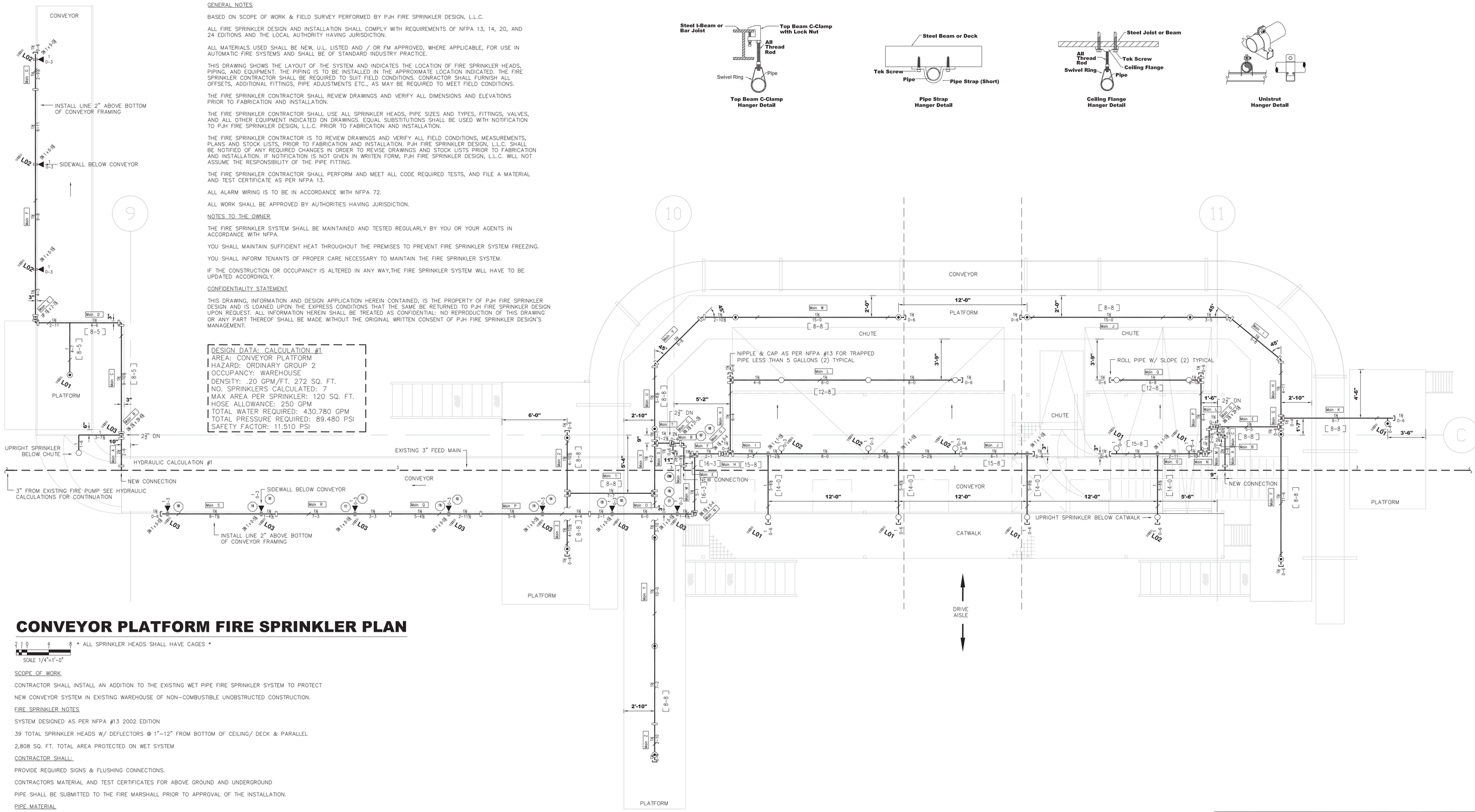
DESIGN DATA: CALCULATION #1
AREA: CONVEYOR PLATFORM
HAZARD: ORDINARY GROUP 2
OCCUPANCY: WAREHOUSE
DENSITY: .20 GPM/FT. 272 SQ. FT.
NO. SPRINKLERS CALCULATED: 7
MAX AREA PER SPRINKLER: 120 SQ. FT.
HOSE ALLOWANCE: 250 GPM
TOTAL WATER REQUIRED: 430.780 GPM
TOTAL PRESSURE REQUIRED: 89.480 PSI
SAFETY FACTOR: 11.510 PSI

Top Beam C-Clamp Hanger Detail

Pipe Strap Hanger Detail

Ceiling Flange Hanger Detail

Unistrut Hanger Detail



CONVEYOR PLATFORM FIRE SPRINKLER PLAN

2 | 0 4 8 * ALL SPRINKLER HEADS SHALL HAVE CAGES *
SCALE 1/4"=1'-0"

SCOPE OF WORK

CONTRACTOR SHALL INSTALL AN ADDITION TO THE EXISTING WET PIPE FIRE SPRINKLER SYSTEM TO PROTECT NEW CONVEYOR SYSTEM IN EXISTING WAREHOUSE OF NON-COMBUSTIBLE UNOBSTRUCTED CONSTRUCTION.

FIRE SPRINKLER NOTES

SYSTEM DESIGNED AS PER NFPA #13 2002 EDITION

39 TOTAL SPRINKLER HEADS W/ DEFLECTORS @ 1"-12" FROM BOTTOM OF CEILING/ DECK & PARALLEL

2,808 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 MARSHALL PRIOR TO APPROVAL OF THE INSTALLATION.

PIPE MATERIAL

1" SCH. 40 THREADED BLACK STEEL W/ THREADED CAST IRON FITTINGS

1½"-2½" SCH. 10 GROOVED BLACK STEEL W/ GROOVED FIRELOCK FITTINGS W/ WELDED & MECHANICAL OUTLETS

ALL DIMENSIONS & ELEVATIONS ARE CENTERLINE OF PIPE & STEEL UNLESS NOTED OTHERWISE

GENERAL NOTES

1. ALL PIPE LOCATIONS ARE TO BE FIELD MEASURED PRIOR TO FABRICATION AND INSTALLATION BY FIRE SPRINKLER CONTRACTOR.
2. ALL DIMENSIONS SHOWN ARE CENTER TO CENTER.
3. HIGH TEMPERATURE HEADS ARE TO BE INSTALLED WHERE REQUIRED.
4. ALL PIPE AND HANGERS ARE TO BE INSTALLED AS PER NFPA #13.
5. HANGERS ARE TO BE U.L. LISTED AND FM APPROVED.
6. SEE PLAN VIEW FOR COMPLETE GENERAL NOTES

NOTES TO THE OWNER

1. THE FIRE SPRINKLER SYSTEM MUST BE MAINTAINED AND TESTED REGULARLY BY YOU OR YOUR AGENTS ARE IN ACCORDANCE WITH NFPA.
2. YOU SHALL MAINTAIN SUFFICIENT HEAT THROUGHOUT THE PREMISES TO PREVENT THE FIRE SRINKLER SYSTEM FROM FREEZING.
3. YOU SHALL INFORM TENANTS OF PROPER CARE NECESSARY TO MAINTAIN THE SYSTEM.
4. IF THE CONSTRUCTION OR OCCUPANCY IS ALTERED IN ANY WAY, THE FIRE SPRINKLER SYSTEM WILL HAVE TO BE UPDATED ACCORDINGLY

ABBREVIATIONS

DESCRIPTION		DESCRIPTION	
UOS–UNDERSIDE OF SLAB	RN–RISER NIPPLE	PIPE ELEVATION AFF	DENOTES HANGER LOCATION
TOS–TOP OF STEEL	SP–SPRIG	ELEVATION BELOW TOP OF STEEL	SWAY BRACE
BTS–BELOW TOP OF STEEL	CL–CENTERLINE	ELEVATION TOP OF STEEL	FIRE DEPT CONNECTION
AFF–AFTER FINISH FLOOR	OC–ON CENTER	RISE UP / DOWN	ELECTRIC BELL
TOR–TOP OF RISER	NIC–NOT IN CONTRACT	RISER / STANDPIPE	FLOW SWITCH
BOR–BOTTOM OF RISER	SLV–SLEEVE	NEW PIPE	FIRE HYDRANT
WATER FLOW TEST INFORMATION		EXISTING PIPE	CEILING HEIGHT
BY:	STATIC:	HYDRAULIC REFERENCE POINT	ROOM NAME
DATE:	RESIDUAL:		
TIME:	FLOW:		

SYMBOL LEGEND

SYMBOL	DESCRIPTION
[10'-0"	PIPE ELEVATION AFF
[*12"]	ELEVATION BELOW TOP OF STEEL
TOS	ELEVATION TOP OF STEEL
o	RISE UP / DOWN
	RISER / STANDPIPE
	NEW PIPE
	EXISTING PIPE
1	HYDRAULIC REFERENCE POINT

SYMBOL	DESCRIPTION
	DENOTES HANGER LOCATION
	SWAY BRACE
	FIRE DEPT CONNECTION
	ELECTRIC BELL
FS	FLOW SWITCH
	FIRE HYDRANT
8'-0"	CEILING HEIGHT
RISER RM	ROOM NAME

NUMBER OF SPRINKLERS

TOTAL THIS SHEET 39 — TOTAL THIS JOB 39

SYM	DESCRIPTION	TEMP	FINISH	SPRK ID#	K-FACT	NPT	QTY
⦿	VICTAULIC V27 PENDENT QUICK RESPONSE	155°	CHROME	V2708	5.6	1/2"	14
○	VICTAULIC V27 UPRIGHT QUICK RESPONSE	155°	BRASS	V2704	5.6	1/2"	15
◀	VICTAULIC V27 SIDEWALL QUICK RESPONSE	155°	CHROME	V2710	5.6	1/2"	10
	ALL SPRINKLER SHALL HAVE HEAD GUARDS						

DRAWING TITLE: CONVEYOR PLATFORM FIRE SPRINKLER PLAN

CONTRACT NO: FS10-0048 | DRAWN BY: PJH

SCALE: 1/4"=1'-0" | DATE: 11-30-2010

REVISION:

#	DATE	DESCRIPTION
1		
2		
3		
4		

CONTRACTOR:

PROJECT:
FedEx SmartPost
200 Nixon Lane
Edison, NJ 08837

SHEET FS-1 OF 1

PJH FIRE SPRINKLER DESIGN, L.L.C.
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NFPA MEMBER