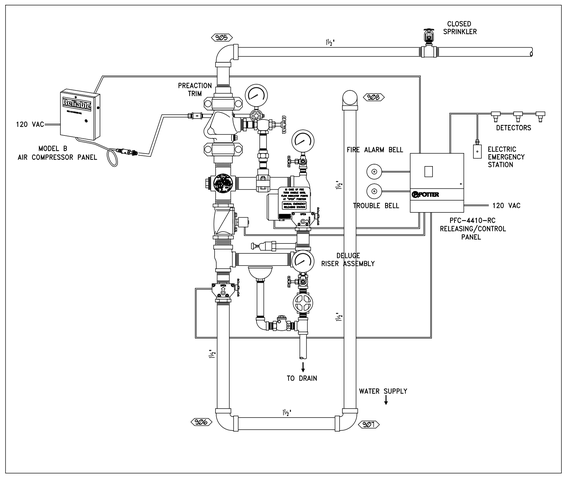
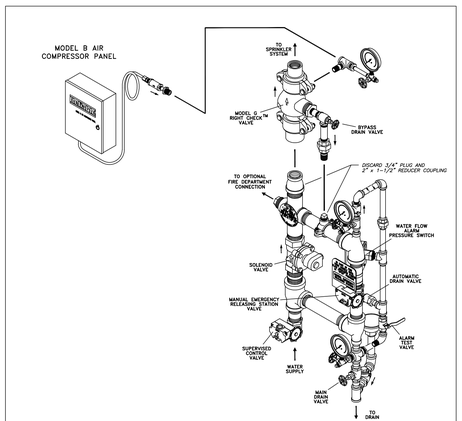


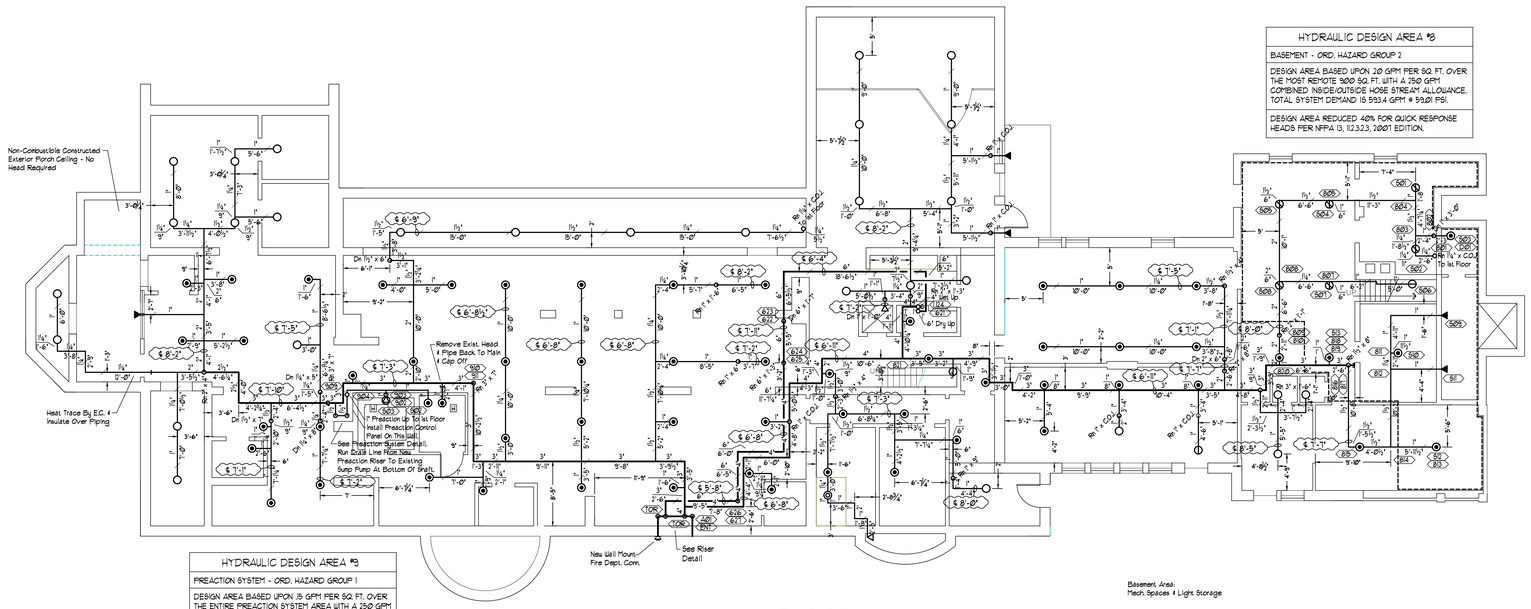
Preaction System Notes:
1. All Preaction System Piping To Be Galvanized Steel Sch. 40 & Galvanized Threaded Fittings
2. Pitch All Piping Back To Riser A Min. Of ½" Per 10 Ft. Of Piping.
3. All Electrical Wiring To Be By The Electrical Contractor.

⊞ - Heat Detector For Preaction System



1½" Reliable "H" Single Interlock Preaction System w/ Electric Actuation
Potter "PFC-4410-RC" Release Control Panel w/ 12VDC 7 Amp Hours (60 Hour Backup Battery

HYDRAULIC DESIGN AREA #3
PREACTION SYSTEM - ORD. HAZARD GROUP 1
DESIGN AREA BASED UPON .15 GPM PER SQ. FT. OVER THE ENTIRE PREACTION SYSTEM AREA WITH A 250 GPM COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE. TOTAL SYSTEM DEMAND IS 3193 GPM @ 43.0 PSI.



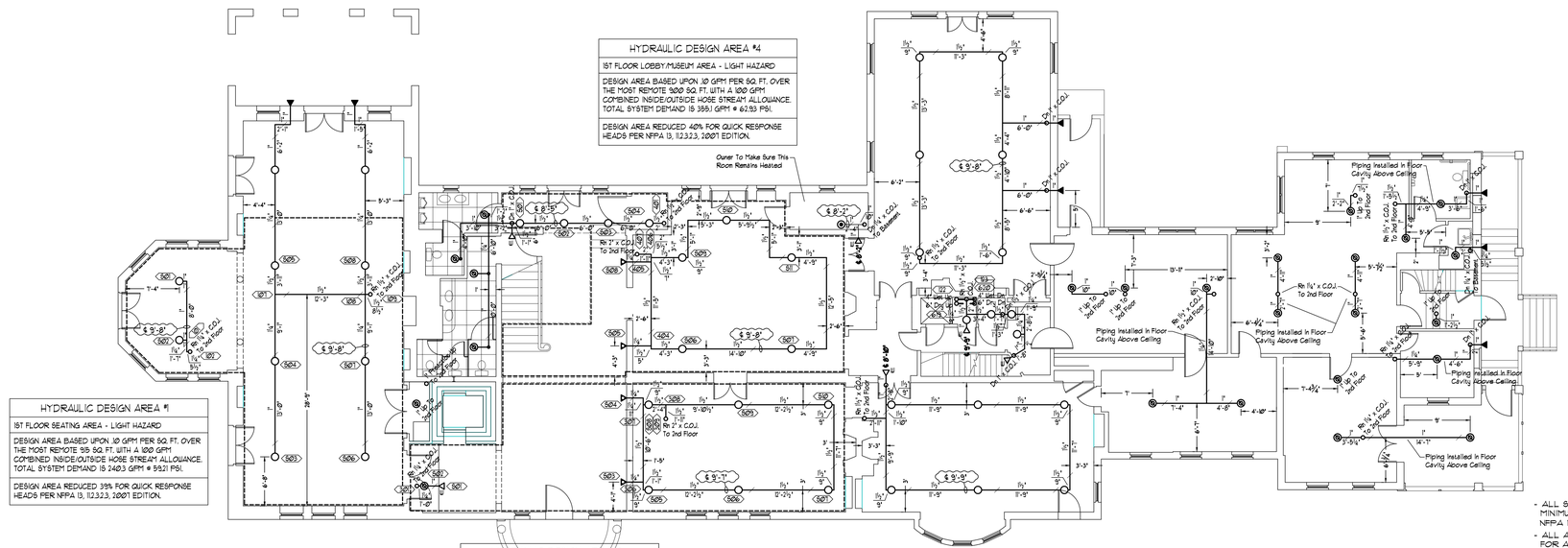
BASEMENT
FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

HYDRAULIC DESIGN AREA #3
BASEMENT - ORD. HAZARD GROUP 2
DESIGN AREA BASED UPON .20 GPM PER SQ. FT. OVER THE MOST REMOTE 3200 SQ. FT. WITH A 250 GPM COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE. TOTAL SYSTEM DEMAND IS 933.4 GPM @ 59.01 PSI.
DESIGN AREA REDUCED 40% FOR QUICK RESPONSE HEADS PER NFPA 13, 11.2.3.2.3, 2010 EDITION.

Basement Area:
Mech. Spaces & Light Storage

HYDRAULIC DESIGN AREA #4
1ST FLOOR LOBBY/MUSEUM AREA - LIGHT HAZARD
DESIGN AREA BASED UPON .10 GPM PER SQ. FT. OVER THE MOST REMOTE 3200 SQ. FT. WITH A 100 GPM COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE. TOTAL SYSTEM DEMAND IS 358.1 GPM @ 62.93 PSI.
DESIGN AREA REDUCED 40% FOR QUICK RESPONSE HEADS PER NFPA 13, 11.2.3.2.3, 2010 EDITION.

HYDRAULIC DESIGN AREA #1
1ST FLOOR SEATING AREA - LIGHT HAZARD
DESIGN AREA BASED UPON .10 GPM PER SQ. FT. OVER THE MOST REMOTE 935 SQ. FT. WITH A 100 GPM COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE. TOTAL SYSTEM DEMAND IS 240.3 GPM @ 59.21 PSI.
DESIGN AREA REDUCED 39% FOR QUICK RESPONSE HEADS PER NFPA 13, 11.2.3.2.3, 2010 EDITION.



HYDRAULIC DESIGN AREA #3
1ST FLOOR LOBBY AREA - LIGHT HAZARD
DESIGN AREA BASED UPON .10 GPM PER SQ. FT. OVER THE MOST REMOTE 3200 SQ. FT. WITH A 100 GPM COMBINED INSIDE/OUTSIDE HOSE STREAM ALLOWANCE. TOTAL SYSTEM DEMAND IS 346.1 GPM @ 62.31 PSI.
DESIGN AREA REDUCED 40% FOR QUICK RESPONSE HEADS PER NFPA 13, 11.2.3.2.3, 2010 EDITION.

1st Floor Area:
Museum Display Areas, Lobby Areas, Offices

1ST FLOOR
FIRE SPRINKLER PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- ALL SPRINKLER HEADS TO BE LOCATED A MINIMUM DISTANCE OF 4" OFF ANY WALL PER NFPA 13
- ALL ARM-OVER & DROP PIPING TO BE 1" x C.O.J. FOR ALL SPRINKLERS.

Trident Construction Corp.
998C Old Country Road, Suite 222
Plainview, NY 11803
T # 347-923-3333
Nassau County Sprinkler System Installer License # 2012SPL01514
Designer Name: Phillip Roe
Designer Signature: Phillip Roe
Certification: Nicet III, Automatic Fire Sprinkler Layout
Nicet Certification # 104083
Date Signed: 12/29/11

BUILDING NORTH

GENERAL NOTES

- Trident Construction Corp. is NOT RESPONSIBLE for any electrical wiring of tamper switches or alarms, nor for the alarm supervision of the sprinkler system, unless noted otherwise.

PIPE:
1" - 2" Black Steel Sch. 40
2½" - Up Black Steel Sch. 10

FITTINGS:
Std. Cast Iron Threaded
Grooved End
Weld-O-Lets

BLDG. CONSTRUCTION:
Existing Wood Truss/Joist

SPKR. LOCATION:
Per NFPA 13, 2007 Edition

THE FOLLOWING ARE TO BE PROVIDED OR INSTALLED BY

	T.C.C.	OTHERS		T.C.C.	OTHERS
ADEQUATE WATER SUPPLY			PAINTING OF PIPE - IF DESIRED		
WATER TAP			PIPE IDENTIFICATION		
UNDERGROUND PIPE			GRID SYSTEM PRESSURE RELIEF VALVE		
UNDERGROUND TEST CERTIFICATE			SPARE HEAD CABINET W/ A.S. & WRENCH		
TRENCHING & BACKFILL			SPARE MAIN DRAIN/TEST VALVE & GAGES		
PAVING			EXISTING PIPE REMOVAL		
FIRE HYDRANTS			EXISTING SPRINKLER RELOCATION		
VALVE PIT MATERIALS			HOUSEKEEPING PAD		
VALVE PIT			SEWER DRAIN CONNECTIONS		
ELECTRICAL WIRING AND/OR ALARM SYSTEM			SLEEVES		
DETECTION SYSTEM					
HEATED VALVE ENCLOSURE (DRY SYSTEM)					
AIR SUPPLY					
AIR MAINTENANCE DEVICE					

LEGEND

3/4@7'8	7' OF PIPE TO BOTTOM OF STL. OR CONC. DECK OR BOTTOM OF WOOD JOIST
6@8'	7' OF PIPE TO BOTTOM OF STEEL BEAM OR METAL PURLIN
(6')	HANGER ROD LENGTH IN FEET & INCHES
AFF	7' ABOVE FINISHED FLOOR
@	HYDRAULIC CALCULATION POINT
UNO	UNLESS NOTED OTHERWISE
C.H.	CEILING HEIGHT

HANGERS

24	MT ROD, RING & TOP BM CLAMP W/LOCK NUT
13	EYE SOCKET, MT ROD, RING & BOLT
12	MT ROD, RING & EXP. CASE
11	MT ROD, RING & TOGGLE
10	COACH SCREW ROD & RING
5	MT ROD, RING & CLIP BASE
22	Z-PURLIN CLAMP, MT ROD & RING
15	TRAPEZE:
	ALL HANGER MATERIALS SIZED PER NFPA #13

SPRINKLERS THIS DRAWING

SYMBOL	TEMP	LOCATION	SIZE	K	TYPE	MODEL	ESCH	TOTAL
	155°	Upright On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3131, Brass Upright	None	70
	155°	Upright On Sprig	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3131, Brass Upright	None	58
	155°	Pendent On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3231, Brass Pendent	None	3
	155°	Pendent On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3231, Brass Pendent	None	6
	200°	Pendent On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3231, Brass Pendent	None	6
	155°	Pendent On Drop	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3231, Chrome Pendant	Style 20 Semi-Rec. Chrome	1
	155°	Pendent On Drop	½"	5.6	QR	Tyco "RFII" SIN # TY3531, White Concealed Pend.	Concealed White	24
	155°	Sidewall On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3331, Brass Sidewall	None	2
	155°	Sidewall On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3331, Chrome Sidewall	Style 20 Semi-Rec. Chrome	6
	155°	Sidewall On Pipe	¾"	8.0	QR	Tyco 'TY-FRB' SIN # TY4332, Chrome Ext. Cov. Sidwll	Style 20 Semi-Rec. Chrome	4
	155°	Dry Sidewall	½"	5.6	QR	Tyco 'DS-1' SIN # TY3335, Brass Dry Sidewall	Style 20 Semi-Rec. Brass	12
	200°	Sidewall On Pipe	½"	5.6	QR	Tyco 'TY-FRB' SIN # TY3331, Brass Sidewall	None	1

Nassau County Sprinkler System Installer

REVISIONS	DATE
Revised For New East Wall/Clg. Layout	8/1/12
Added License Number	8/1/12
Revised For Preaction System	2/5/13

AUTOMATIC FIRE SPRINKLER SYSTEM

TRIDENT CONSTRUCTION CORP.
998C Old Country Road Suite 222
Plainview, NY 11803
T # 347-923-3333 F # 347-923-3340
Nassau County Sprinkler System Installer License # 2012SPL01514

HOLOCAUST MEMORIAL & TOLERANCE CENTER
100 CRESCENT BEACH ROAD
LOCATION: GLEN COVE, NY
CONTRACT WITH: Owner Direct

DATE:	DEC. 29, 2011	JOB NO:	DWG. NO.
SCALE:	AS NOTED	SPRINKLERS THIS DWG.	187
DRG BY:	PHILLIP ROE	SPRINKLERS THIS JOB	489

1 of 3