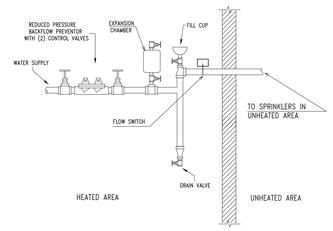
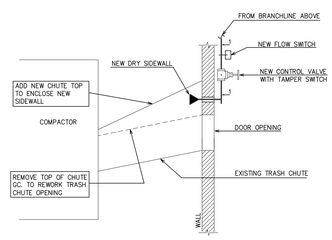
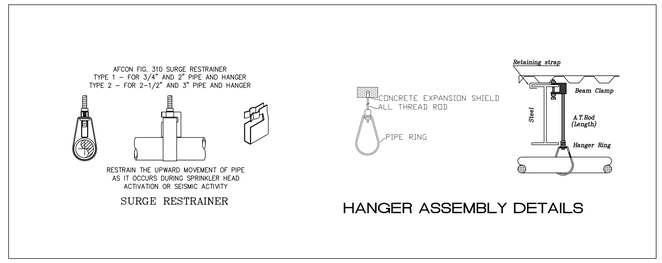


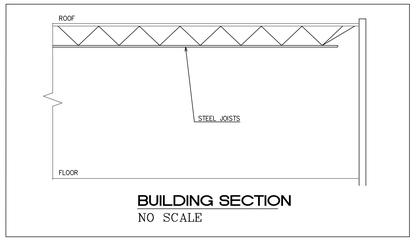
ANTIFREEZE SYSTEM W/ BACKFLOW PREVENTER + EXPANSION CHAMBER



TRASH CHUTE SPRINKLER PIPING ARRANGEMENT

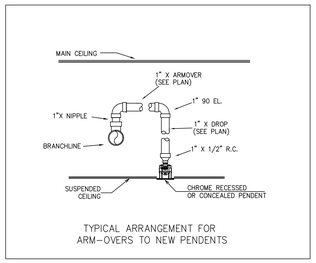


HANGER ASSEMBLY DETAILS

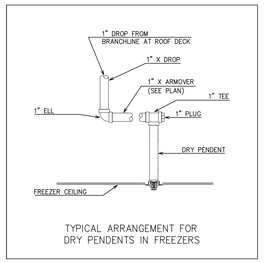


BUILDING SECTION
NO SCALE

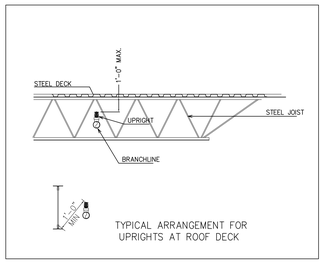
- - - - - - - - DENOTES EXISTING SPRINKLER PIPING.
———————— DENOTES NEW SPRINKLER PIPING.
//////////////// DENOTES PIPING TO BE REMOVED



TYPICAL ARRANGEMENT FOR ARM-OVERS TO NEW PENDENTS



TYPICAL ARRANGEMENT FOR DRY PENDENTS IN FREEZERS



TYPICAL ARRANGEMENT FOR UPRIGHTS AT ROOF DECK

EXISTING SPRINKLER HEAD DETAILS

SPRINKLER SYSTEM GENERAL NOTES

-ALL NEW PIPING 1"–2" IS SCHEDULE 40 THREADED FOR USE WITH STANDARD WT. BLK CI SCREWED FITTINGS.

-ALL NEW PIPE 2½" AND LARGER IS SCHEDULE 10 ROLL GROOVED FOR USE WITH MECH. TEES & GROOVED FITTINGS

-ALL PIPE CUTS SHOWN ARE CENTER TO CENTER.

-ALL HANGERS ARE TO A.T. ROD AND BAND HANGERS.

-ALL NEW DEVICES TO BE U.L. LISTED AND/OR FM APPROVED FOR SPRINKLER SYSTEMS.

-THIS SYSTEM HAS BEEN DESIGNED AND WILL BE INSTALLED PER ALL STATE AND LOCAL CODES AND NFPA PAMPHLET 13 AND FM GUIDELINES.

-LOCATION OF ALL HIGH TEMPERATURE SPRINKLERS TO BE DETERMINED IN FIELD. 286° F TEMPERATURE SPRINKLERS ABOVE OR AROUND COOKING EQUIPMENT

-SPRINKLERS ARE NOT REQUIRED TO BE CENTERED IN CEILING TILES.

-OWNER TO PROVIDE HEAT THROUGHOUT BUILDING TO PREVENT SPRINKLER PIPES FROM FREEZING.

-THIS SYSTEM WILL BE TESTED IN ACCORDANCE WITH NFPA 13.

SCOPE OF WORK

-ADDITIONS AND MODIFICATIONS TO THE EXISTING SYSTEM TO SATISFY THE REQUIREMENTS OF NFPA PAMPHLET 13. – SEE PLAN FOR ENTIRE SCOPE OF WORK.

-ALL NEW PIPING TO BE SIZED THROUGH HYDRAULIC CALCULATIONS PERFORMED BY SPRINKLER CONTRACTOR

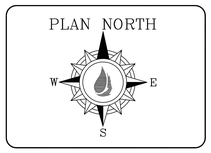
MISC. NOTES

-BUILDING CONSTRUCTION IS PRIMARILY NON-COMBUSTIBLE CONCRETE AND STEEL CONSTRUCTION.

-BUILDING OCCUPANCY: LIGHT HAZARD – OFFICE AREAS, RESTROOMS
ORDINARY HAZARD GRP II – MERCANTILE

-SPRINKLER SPACING: LIGHT HAZARD AREAS – MAX 225 SQ.FT.
ORDINARY HAZARD AREAS – MAX 130 SQ.FT.
STOCK ROOM – MAX 100 SQ.FT.

1	11/18/11	ISSUED FOR CONSTRUCTION



REVISIONS

1	11/18/11	ISSUED FOR CONSTRUCTION

SPRINKLER DATA

SYMBOL		
SPRINKLER TYPE	NEW BRASS UPRIGHT	NEW RECESSED PENDENT
N.P.T.	1/2"	1/2"
K FACTOR	5.6K	5.6K
TEMP. RATING	155°	155°
MFGR.		
MODEL NO.		
QUANTITY	17	24

SYMBOL		
SPRINKLER TYPE	EXISTING BRASS UPRIGHT	EXISTING PENDENT
N.P.T.	1/2"	1/2"
K FACTOR	5.6K	5.6K
TEMP. RATING	155°	155°
MFGR.		
MODEL NO.		
QUANTITY		

SYMBOL		
SPRINKLER TYPE	EXISTING DRY PENDENT	NEW DRY PENDENT
N.P.T.	1"	1"
K FACTOR	5.6K	5.6K
TEMP. RATING	155°	155°
MFGR.		
MODEL NO.		
QUANTITY		13

SYMBOL		
SPRINKLER TYPE	NEW CONCEALED PENDENT	NEW DRY HORIZ SIDEWALL
N.P.T.	1/2"	1"
K FACTOR	5.6K	5.6K
TEMP. RATING	155°	155°
MFGR.		
MODEL NO.		
QUANTITY	35	1

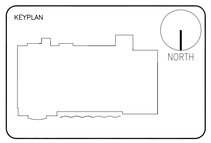
NOTE:
THE TEMPERATURE RATING AND RESPONSE TYPE OF NEW SPRINKLERS ARE TO MATCH EXISTING SPRINKLER TEMPERATURE RATINGS AND RESPONSE TYPE WITHIN THE SAME COMPARTMENT

SPRINKLER TOTAL 90 NEW

MISC NOTES:

THE SOLE PURPOSE OF THESE DRAWINGS ARE TO DEFINE THE SCOPE OF WORK. THE DRAWINGS DEPICT WORK REQUIRED AS PART OF CURRENT STORE RENOVATIONS. THE DRAWINGS ALSO SHOW SYSTEM UPGRADES TO MEET REQUIREMENTS OF HANNAFORD AND NFPA PAMPHLET 13. THE INSTALLING CONTRACTOR SHALL VISIT THE SITE AND PRODUCE THEIR OWN DESIGN DRAWINGS FOR SUBMITTAL.

PITTS–MILLIGAN GROUP LLC.
–DESIGN DIVISION–
NAPLES, ME – JUPITER, FL
781–461–5613



P.E.

HANNAFORD
STORE #8279
295 FORREST AVE
PORTLAND, ME. 04101

MEZZANINES AND MISC DETAILS

APPROVAL	LOCAL FIRE DEPT
DRAWN BY	KPL
SCALE	AS NOTED
DATE	11–18–11
REV DATE	------

FP 1 of 2