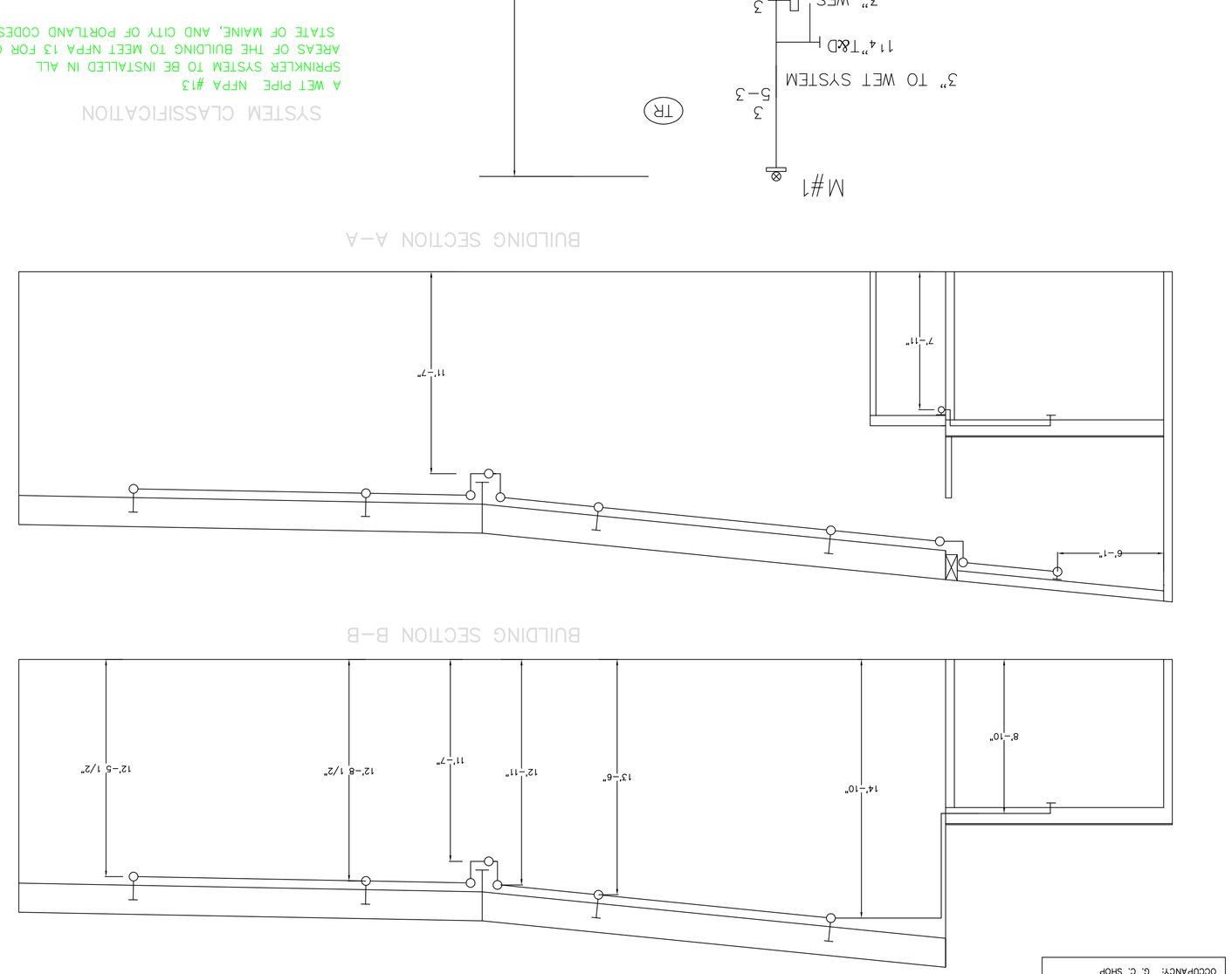

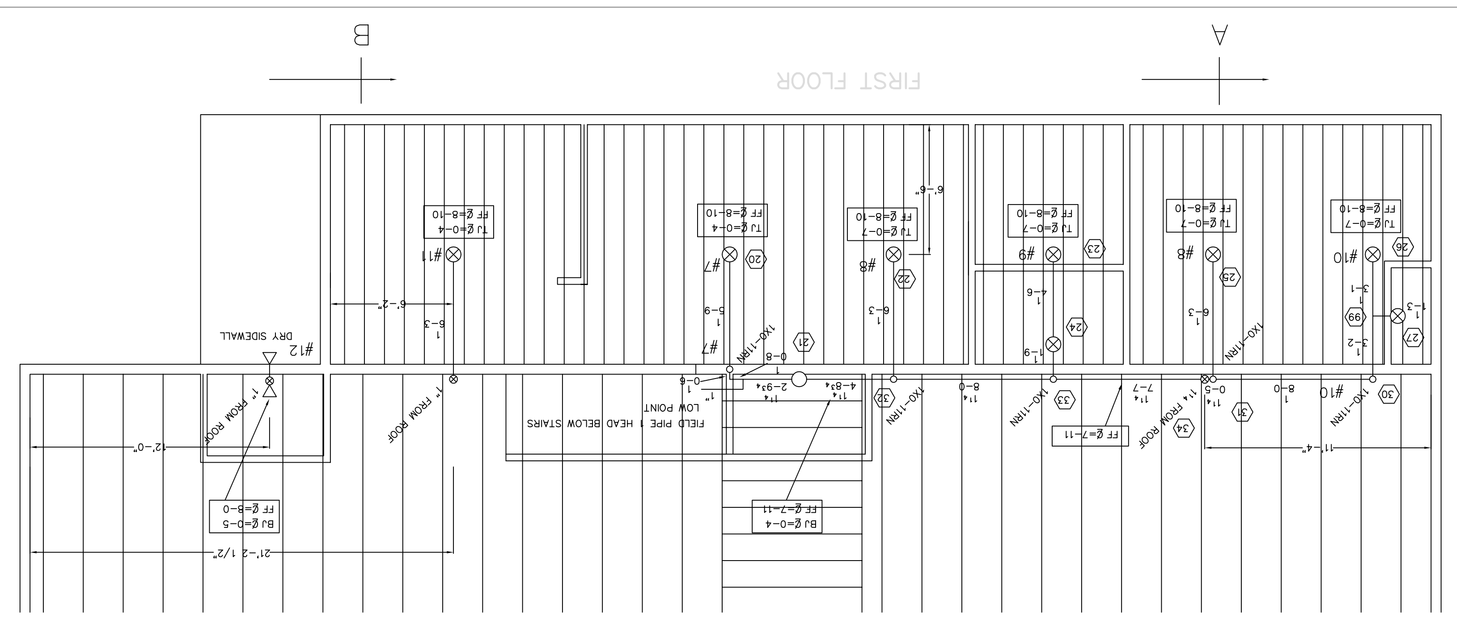

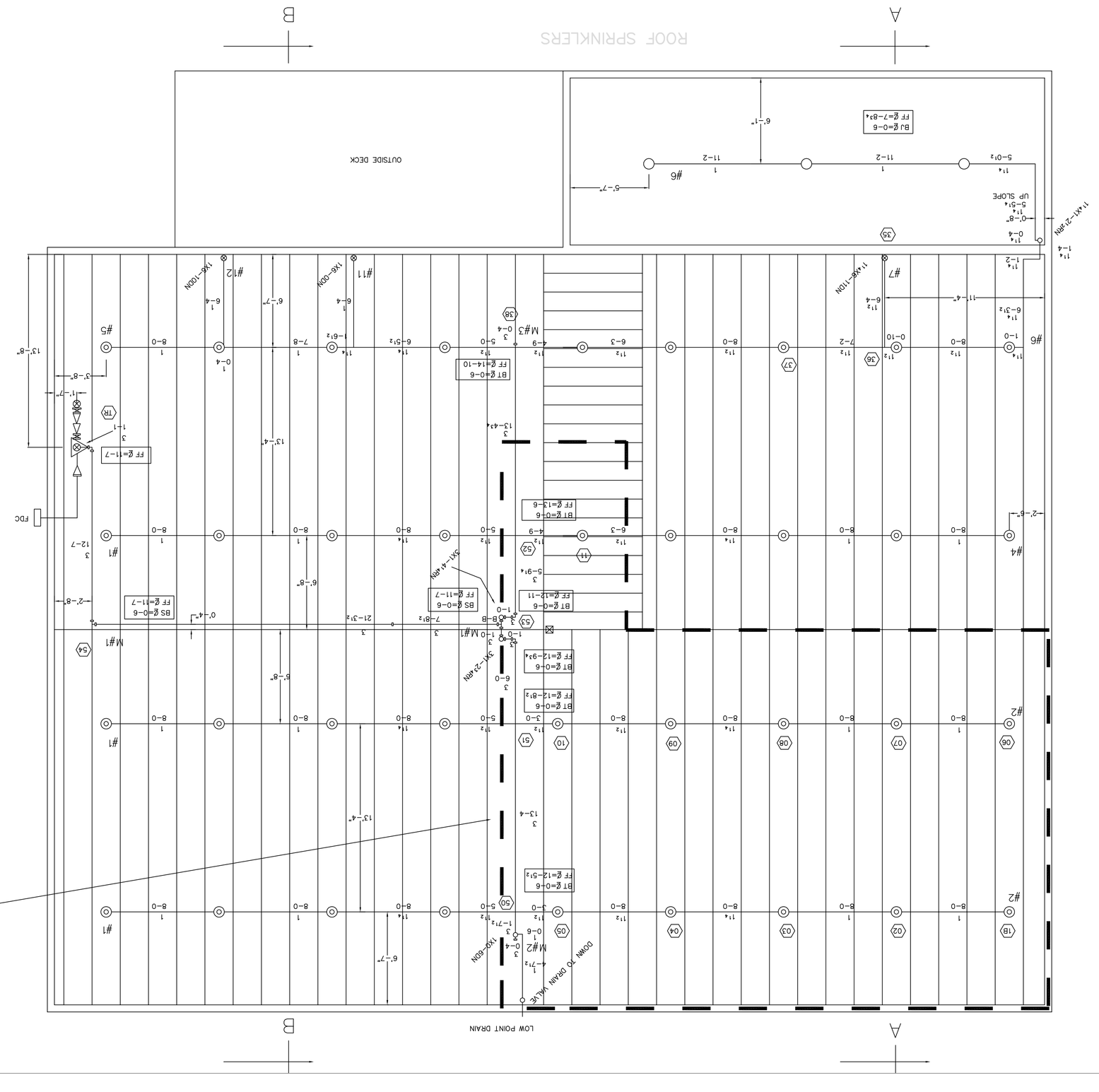

CALC: PAPI RAMANO.WXF
HYDRAULIC DATA:
BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
0.20 1035
SPRINKLERS TOTAL ORIFICE TEMP
38.0 Z/K.5 11 1/2" 155°
SYSTEM DEMAND AT CITY:
PRESSURE FLOW HOSE
SAFETY MARGIN 20.44 PSI 250
OCCUPANCY: G. C. SHOP

SYSTEM CLASSIFICATION

A WET PIPE NFPA #13
SPRINKLER SYSTEM TO BE INSTALLED IN ALL AREAS OF THE BUILDING TO MEET NFPA 13 FOR ORDINARY HAZARD II, STATE OF MAINE, AND CITY OF PORTLAND CODES.

LEGEND

- ▷ 155° RELIABLE OR WHITE HOR SIDEWALL
- ⊙ 155° RELIABLE O R BRASS UPRIGHTS ON A 1" SPRIG
- ○ 155° RELIABLE O R BRASS UPRIGHTS
- ⊗ 155° RELIABLE OR WHITE PENDENT
- ▷ 155° OR WHITE HOR. SIDEWALL 1/2"X1/2" K=5.6 — RELIABLE FIFR56
- ○ 155° OR BRASS UPRIGHT 1/2"X1/2" K=5.6 — 41 RELIABLE FIFR56
- ⊗ 155° OR WHITE PENDENT 1/2"X1/2" K=5.6 — 8 RELIABLE FIFR56
- ▷ 155° OR WHITE DRY HOR. SIDEWALL 1/2"X1/2" K=5.6 — 1 RELIABLE
- TR 3" TO WET SYSTEM 5-3 3
- FF GAUGE
- BR BALL DRIP 4" CHECK
- 4" GR. 90
- 4" AMES COLT C200BFG BACKFLOW PREVENTER
- 3" WFS 2-0 3
- 1¼"T&CD
- 3-0 3
- FFD APPROVED FDC
- 4" DUCTILE FROM CITY 180'
- C ℄=XX CEILING TO CENTERLINE OF PIPE
- BS ℄=XX BOTTOM OF STEEL TO CENTERLINE OF PIPE
- FF ℄=XX FIN FLR TO CENTERLINE OF PIPE
- BJ ℄=XX BOTTOM OF JOISTS TO CENTERLINE OF PIPE
- BT ℄=XX BOTTOM OF TRUSS TO CENTERLINE OF PIPE
- TJ ℄=XX TOP OF JOIST TO CENTERLINE OF PIPE
- ∘ RISE OR DROP NIPPLE
- ⊗ RISER BETWEEN FLOORS

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N
ALL PIPING IS BLACK STEEL.
ALL SCH.40 STEEL PIPING IS THREADED WITH STD. WGT. CAST IRON BLACK THREADED FITTINGS.
ALL SCH. 10 STEEL PIPING IS ROLL GROOVED WITH DUCTILE GROOVED FITTINGS.
BUYER/OWNER TO MAINTAIN A TEMPERATURE OF ABOVE 40 DEGREES INCLUDING AREAS PROPERLY INSULATED TO MAINTAIN 40 DEGREES TO PREVENT THE SPRINKLER SYSTEM FROM FREEZING.

DEAN & ALLEN, INC.
FIRE PROTECTION · SPECIAL HAZARD
PO BOX 709, GRAY, MAINE 04039
(207)657-5646 FAX:(207)657-5647

REVISIONS			APPROVED BY	DATE	SURVEYED BY	HAK	7-25-15	TITLE
			//		DRAWN BY	HAK	7-29-15	
			//		CHECKED BY	DAS	XXXX	
			//		AT DEAN & ALLEN, INC			
			//		SCALE 1/4"=1'-0"			
			//		SHEET NO. 1 OF 1			
		REVISIONS	DATE					

PAPI ROMANO SHOP
828 RIVERSIDE STREET
PORTLAND MAINE

NO OF SPRINKLERS SHOWN ON THIS SHEET 51
NO OF SPRINKLERS ON JOB 51
CONTRACT NO C151286