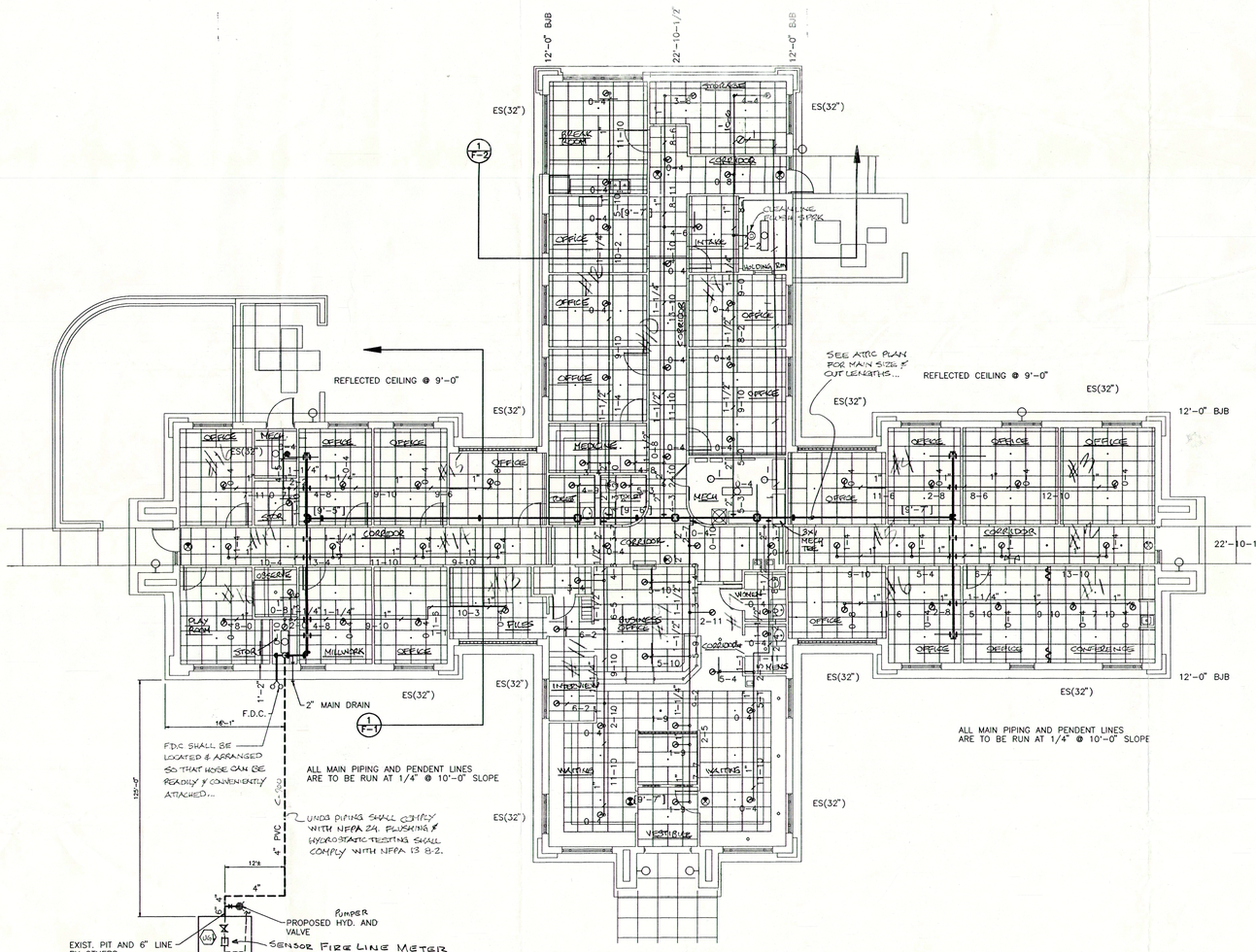
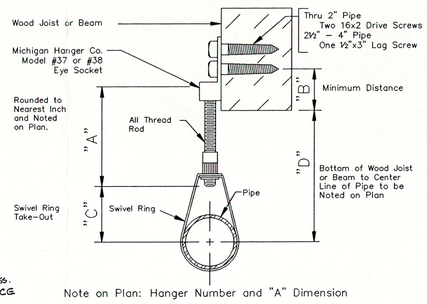


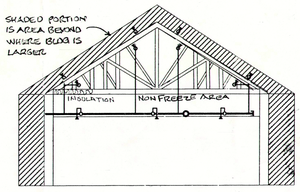
FIRE PROTECTION REFLECTED CEILING PIPING PLAN
SCALE : 1/8"=1'-0"

TYP. 4" FIRE PROTECTION RISER
SCALE : NOT TO SCALE

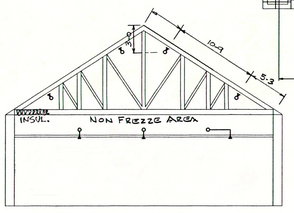
Eye Socket



Note on Plan: Hanger Number and "A" Dimension



1 F-1 FIRE PROTECTION SECTION
SCALE : 1/8"=1'-0"



1 F-2 FIRE PROTECTION SECTION
SCALE : 1/8"=1'-0"

GENERAL NOTES:

1. SYSTEM IS DESIGNED TO BE IN COMPLIANCE WITH NFPA-13
2. ALL MATERIALS SHALL BE – U.L. LISTED OR F.M. APPROVED.
3. BUILDING CONSTRUCTION

   COMBUSTIBLE WOOD FRAME CONSTRUCTION AND STEEL COLUMNS; WOOD BEAMS; WOOD JOISTS; AND WOODL ROOF DECK.
4. DESIGN CRITERIA

   SYSTEMS ARE HYDRAULICALLY CALCULATED AND REMOTE AREA IS LAID OUT PER NFPA – 13 THE LATEST EDITION.

   THIS SYSTEM IS A CLOSED HEAD WATER SPRINKLER SYSTEM. THE SYSTEM USES WET PENDENT AND DRY UPRIGHT HEADS.
5. PIPE –

   ALL PIPING 2" AND SMALLER TO BE – ALLIED SUPER 40 PIPE

   ALL PIPING 2-1/2" AND LARGER TO BE – ALLIED SUPER FLOW PIPE ASTM A795.
6. FITTINGS –

   CAST IRON BLACK FITTINGS FOR SCREWED PIPE.

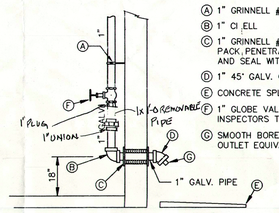
   GRUVLOK GROOVED SEGMENT-WELDED STEEL FITTINGS FOR GROOVED PIPING
7. ALL GROOVED COUPLINGS TO BE GRUVLOK FIG. 7000 LW COUPLINGS

PIPE HANGERS –

HANGERS SHALL BE IN ACCORDANCE WITH NFPA – 13.

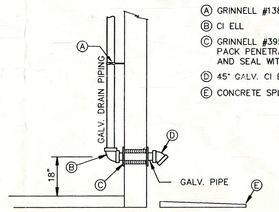
ROD DIAMETERS – 1 IN. TO 4 IN. = 3/8 IN. A.T.R.
5 IN. – 8 IN. = 1/2 IN. A.T.R.

8. CHROME SEMI-RECESSED HEADS CENTERED IN CEILING TILE
9. PENDENT SPRINKLERS ON DRY SYSTEM SHALL BE INSTALLED ON GOOSENECKS PER NFPA 13 (1996) 3-2.2 EXCEPTION 2.



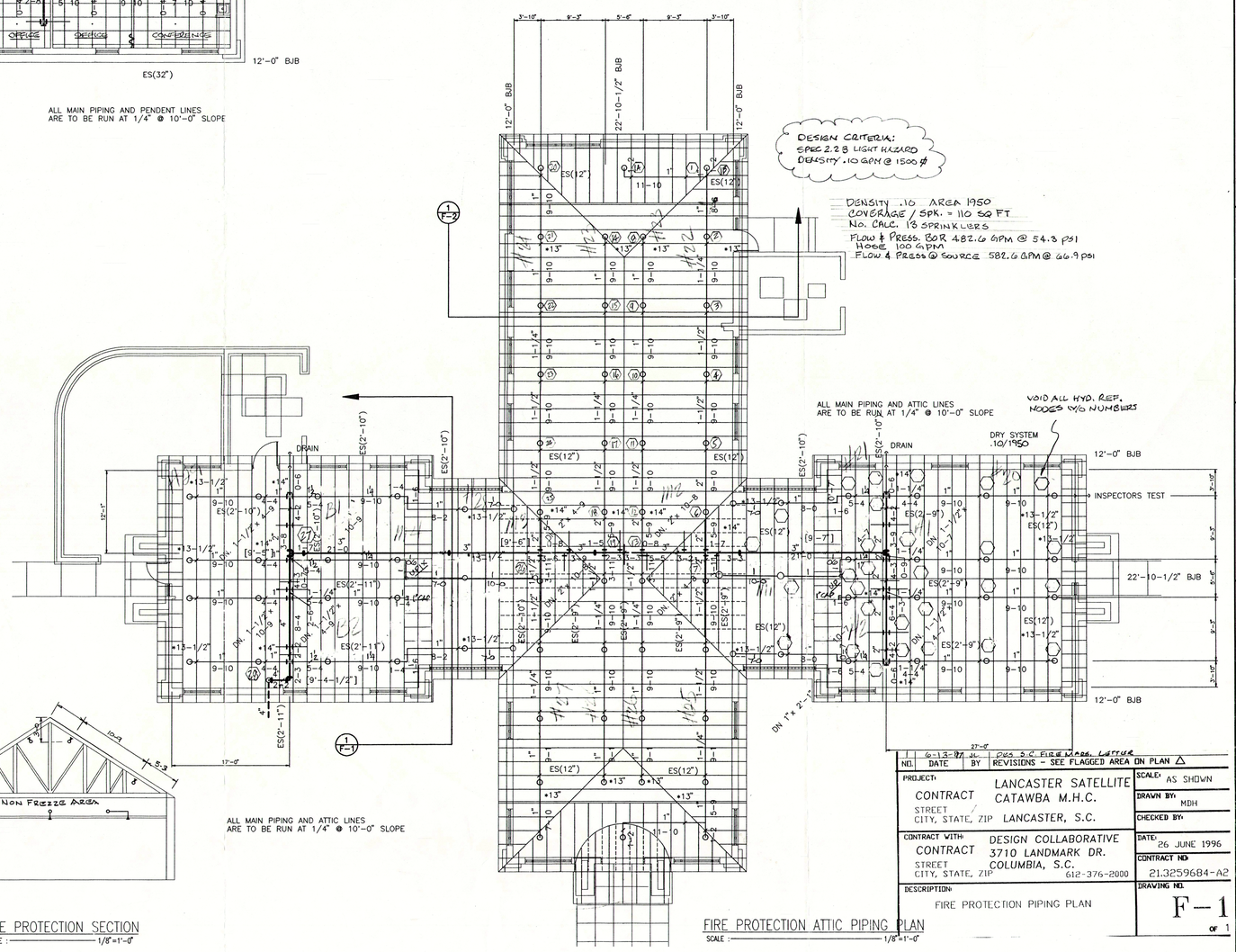
INSPECTORS TEST DETAIL

N.T.S.



SPRINKLER DRAIN DETAIL

N.T.S.



FIRE PROTECTION ATTIC PIPING PLAN
SCALE : 1/8"=1'-0"

NO.	DATE	BY	REVISIONS – SEE FLAGGED AREA ON PLAN △
	6-13-97	M.	REG. S.C. FIRE MARS. LETTER

PROJECT: CONTRACT LANCASTER SATELLITE CATAWBA M.H.C.
STREET
CITY, STATE, ZIP LANCASTER, S.C.

CONTRACT WITH: CONTRACT DESIGN COLLABORATIVE 3710 LANDMARK DR. COLUMBIA, S.C. 612-376-2000
STREET
CITY, STATE, ZIP

DESCRIPTION: FIRE PROTECTION PIPING PLAN

SCALE: AS SHOWN
DRAWN BY: MDH
CHECKED BY:
DATE: 26 JUNE 1996
CONTRACT NO: 21.32596B4-A2
DRAWING NO. F-1 OF 1

GRINNELL FIRE PROTECTION SYSTEMS
EXECUTIVE OFFICES DEERFIELD NEW HAMPSHIRE

GRINNELL F.P.S.
4215 WINEWOOD ROAD ST.
CHARLOTTE, NORTH CAROLINA 28226
PHONE: (704) 331-0850
FAX: (704) 338-9348

SYSTEM DESIGN DATA

TYPE	DRIF	TEMP	FINISH	CAN/DRY	SYMBOL	QTY.
UNI. MODL. A	1/2"	212°	BRONZE	UPRIGHT	○	894
UNI. MODL. A	1/2"	165°	CHROME	CON-RECESSED	○	467
UNI. MODL. A	1/2"	165°	BRASS	CON-RECESSED	●	1
GLOBE/LINE	1/2"	165°	WHITE	FLUSH	●	1

TOTAL THIS SHEET

WATER SUPPLY DATA

HAZARD CLASSIFICATION		
SYSTEM AREA		
DENSITY	GPM/SQFT.	DVCR
TOTAL REQD.		GPM FLOWING
SYSTEM DEMAND	PSI AT	
STATIC PRESSURE	PSI	WITH
RESIDUAL PRESSURE	PSI	
TEST PNOV. ATI		BY:
DATED		

SYMBOLS

Indicate Reference Point
Riser
Riser & 2" Pipe Below Bottom of Deck
Riser & 2" Pipe Below Ref. Plane
Main Designation
Grooved Coupling (GC)
Union
Cap
Cap
Fire Dept. Conn. (Standard (FDC)
Fire Hydrant (Dry Barrel)
Fire Hydrant (Wet)

CONTRACT RESPONSIBILITIES

STREET WATER CONNECTION	G.F.S.
UNDERGROUND WATER MAINS	OTHERS
EXCAVATIONS	
BACKFILL	
PAVING	
PAINTING	

IMPORTANT
In localities subject to freezing conditions, it is the owner's responsibility to provide heat throughout the building to prevent freezing of sprinklers. For dry pipe, deluge and other types of valves controlling water supplies, the owner's responsibility includes the installation and design application of the protection and design application herein contained is the property of Grinnell Fire Protection Systems Company. This drawing is loaned upon the express conditions that the same be returned to GFPS upon requests; all information herein contained is to be treated as confidential; loaned upon the express conditions that the same be returned to GFPS upon requests; all information herein contained is to be treated as confidential; no reproduction of this drawing or any part thereof shall be made without the written consent of GFPS.

Dwg C:\DWG\32596B4\LMHFP1 Date 12/10/96 Time 16:51