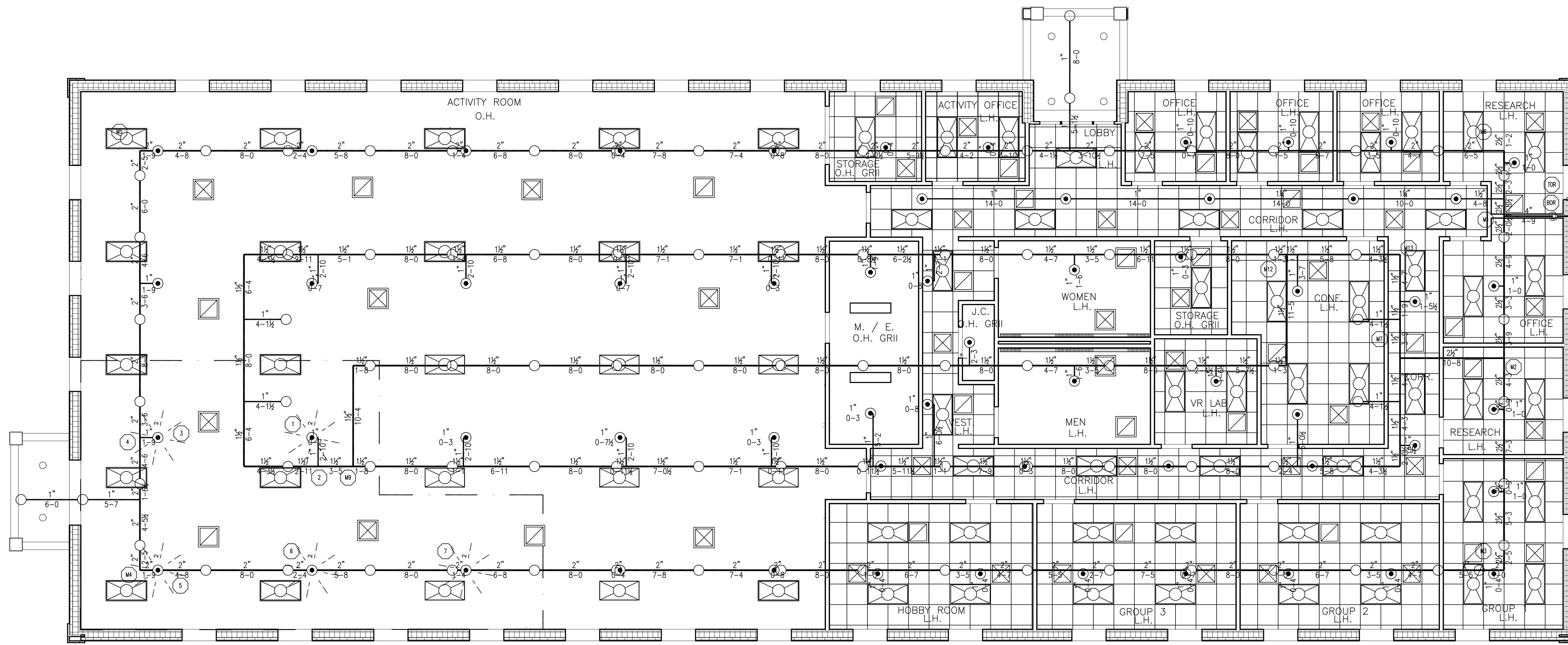


STEWART MARCHMAN @ VINCE CARTER SANCTUARY FIRE PROTECTION BELOW CEILING PLAN

SCALE: 1/16" = 1' - 0"



Sprinkler Head Schedule					
Symbol	Count	Thread	K-Factor	Description	Finish
⊙	59	1/2"	5.6	RELIABLE RA1414 155' QR SSP	CHR
○	94	1/2"	5.6	RELIABLE RA1425 200' QR SSU	B-Z
153 = Total Number of Heads this floor					

REMOTE AREA - 2

CALCULATION DESIGN CRITERIA:

STANDARD NFPA #13-2002

OCCUPANCY CLASS LIGHT HAZARD

MAX. COVERAGE per HEAD 225 GPM / Ft² for

DENSITY .10 GPM / Ft² for 970.64 GPM / Ft² for

SPRINKLER RELIABLE RA1414 155' QR SSP

ORIFICE 1/2" ORIFICE K= 5.6 K FACTOR

WATER FLOW INFORMATION*:

STATIC 54 PSI

RESIDUAL 34 PSI

FLOW 893 GPM

SYSTEM REQUIREMENTS AT BASE OF RISER:

104.66 GPM @ 17.5 PSI

HOSE STREAM DEMAND: SAFETY MARGIN:

100 GPM 30.8 PSI

* Q.R. REDUCTION TAKEN AS PER NFPA 11.2.3.2.3

Job: STEWART MARCHMAN @ V. CARTER SANCTUARY 301 JUSTICE LN. BUNNELL, FL Contractor: Master Craft Plumbing Contractors, Inc. 887 Brentwood Drive Daytona Beach, FL 32117		Contract No.: _____ Drawn By: GT Scale: AS NOTED Date: 10/10/11 Approval By: COB	
General Notes: 1. All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Sprinkler Contractor. 2. All Pipe Dimensions Shown are Center to Center. 3. High Temperature Heads are to be Field Located Where Required. 4. All Pipes and Hangers are to be Installed per NFPA #13. 5. Hangers are to be U.L. Listed and P.M. Approved.		Revisions: _____ _____ _____	
Hydraulic Reference Points [H] Elev. Below Top of Steel [L+H] Elev. Above Finished Floor [R] Ceiling Height [H] Denotes Hanger Location [o] Rise up or down		Number of Sprinklers Total This Sheet _____ Description _____	
Symbol Description [H] Hydraulic Reference Points [L+H] Elev. Above Finished Floor [R] Ceiling Height [H] Denotes Hanger Location [o] Rise up or down		Sheeting Title: STEWART MARCHMAN FP-3 Date: _____	

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 Phone (386) 252-7047 Fax (386) 886-0322
 STATE CERTIFIED FIRE PROTECTION NO. 71586500012006

mc mastercraft
 PLUMBING, HEATING, MECHANICAL
 AIR CONDITIONING & FIRE PROTECTION

WATER FLOW TEST
 STATIC : 54 PSI
 RESIDUAL : 34 PSI
 FLOW : 893 GPM
 Date: 10/10/11
 By: MASTER CRAFT

SHEET FP-30F 3