



REMOTE AREA - 1

CALCULATION DESIGN CRITERIA:	
STANDARD	NFPA #13-2002
OCCUPANCY CLASS	LIGHT HAZARD
MAX. COVERAGE per HEAD	196 GPM / Ft <sup>2</sup> for
DENSITY	.10 GPM / Ft <sup>2</sup> for 1299.8 GPM / Ft <sup>2</sup> for
SPRINKLER	RELIABLE RA1425 200' QR SSU
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:	
	271.59 GPM @ 37.1 PSI
HOSE STREAM DEMAND: SAFETY MARGIN:	
	100 GPM 11.43 PSI

\* Q.R. REDUCTION TAKEN AS PER NFPA 11.2.3.2.3  
 \* DESIGN AREA INCREASED BY 30% DUE TO ROOF SLOPE

- \* IT IS OTHERS RESPONSIBILITY TO MAKE SURE ATTIC MAINTAINS A TEMP. OF 40°F OR HIGHER TO AVOID FREEZING.
- \* THIS PLAN IS SHOWING THE FIRE PROTECTION IN THE ATTIC & PEND. HEAD SYMBOLS SHOULD BE DISSREGAURDED.

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					

## STEWART MARCHMAN @ VINCE CARTER SANCTUARY FIRE PROTECTION PLAN - ABOVE CEILING COVERAGE

SCALE: 3/16" = 1'-0"

Job: STEWART MARCHMAN @ VINCE CARTER SANCTUARY 301 JUSTICE LN. BUNNELL, FL Contractor: Master Craft Plumbing Contractors, Inc. 887 Brentwood Drive Daytona Beach, FL 32117	Contract No.	Contract No.	Contract No.
	Drawn By	Scale	Date
Revisions:	Revisions:	Revisions:	Revisions:
Approval By	Approval By	Approval By	Approval By
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.			
Symbols: Description Hydraulic Reference Points Elev. Below Top of Steel Elev. Above Finished Floor + (005 20-0) Ceiling Height Denotes Hanger Location Rise up or down			
Total This Sheet Number of Sprinklers Total This Job Description			
Issuing Title STEWART MARCHMAN FP-2			

**mc mastercraft**  
 PLUMBING, HEATING, MECHANICAL  
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 29776 BAYHEAD ROAD  
 DADE CITY, FLORIDA 33525  
 (813) 299-7211

WATER FLOW TEST  
 STATIC : 54 PSI  
 RESIDUAL : 34 PSI  
 FLOW : 839 GPM  
 Date: 10/4/11  
 By: MASTER CRAFT