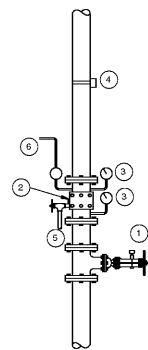


**FIRE PROTECTION SPRINKLER SYSTEM NOTES**

- SPRINKLER CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS NECESSARY TO PROVIDE A COMPLETE AND CODE ACCEPTABLE SPRINKLER SYSTEM FOR THE FACILITY IN PROJECT SCOPE.
- SPRINKLER SYSTEM DESIGN TO MEET NFPA 13 AND SHALL BE HYDRAULICALLY CALCULATED USING THE CRITERIA LISTED BELOW AND ANY LOCAL OR STATE CODE REQUIREMENTS. PROVIDE SPRINKLER SYSTEM ZONING, WITH ISOLATION VALVING, FLOW SWITCH, ETC.
- SPACES SUCH AS CORRIDORS, OFFICES, ETC. SHALL BE HYDRAULICALLY CALCULATED TO PRODUCE 10 GPM OVER THE MOST REMOTE 1500 SQUARE FEET. HEAD COVERAGE SHALL BE 225 SQUARE FEET/HEAD MAXIMUM.
  - ORDINARY HAZARD GROUP 1 AREAS (OHG1) SHALL BE HYDRAULICALLY CALCULATED TO PRODUCE 15 GPM OVER THE MOST REMOTE 1500 SQUARE FEET. HEAD COVERAGE SHALL BE 130 SQUARE FEET/HEAD MAXIMUM. SPRINKLER HEADS CAN HAVE A K-FACTOR TO 5.0 OR 8.0.
  - ORDINARY HAZARD GROUP 2 AREAS (OHG2) SHALL BE HYDRAULICALLY CALCULATED TO PRODUCE 20 GPM OVER THE MOST REMOTE 1500 SQUARE FEET. HEAD COVERAGE SHALL BE 130 SQUARE FEET/HEAD MAXIMUM USING 280°F HEADS. SPRINKLER HEADS CAN HAVE A K-FACTOR EQUAL TO 5.0 OR 8.0.
  - HEADS TO BE QUICK RESPONSE TYPE IN ALL LIGHT HAZARD AREAS PER NFPA 13 AND 101. HEADS IN LAY IN CEILING ARE TO BE RECESSED TYPE. HEADS IN GYPSOUM CEILING ARE TO BE FULLY CONCEALED. HEAD FINISHES ARE TO BE WHITE.
  - ALL SHUT-OFF VALVES IN THE SYSTEM MUST BE OF AN INDICATING TYPE AND MUST BE MONITORED BY MEANS OF A TAMPER SWITCH. SEE ELECTRICAL.
  - FLOW SWITCHES SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM AND ANNUNCIATED ON THE ANNUNCIATOR PANEL. SEE ELECTRICAL.
  - SHOP DRAWINGS AND HYDRAULIC CALCULATIONS MUST BE SUBMITTED TO THE ENGINEER'S OFFICE, OWNERS INSURANCE UNDERWRITER, AND OTHER LOCAL AUTHORITIES HAVING JURISDICTION FOR APPROVAL BEFORE WORK BEGINS. SPRINKLER DESIGN MUST BE BY A NCET 11 OR PROFESSIONAL ENGINEER LICENSED IN FL.
  - SPRINKLER PIPING SHALL BE COORDINATED WITH DUCTWORK, CONDUIT, LIGHTS, PLUMBING PIPING AND ALL OTHER RELATED TRADES TO INSURE ALL INTERFERENCES HAVE BEEN RESOLVED BEFORE INSTALLING PIPING.
  - PROVIDE A MINIMUM OF 18 INCHES CLEARANCE BETWEEN BOTTOM OF AUTOMATIC SPRINKLER DEFLECTOR AND TOP OF STORAGE, FLES, SHELVING, ETC.
  - SPRINKLER CONTRACTOR TO OBTAIN CURRENT FLOW TEST DATA FOR HYDRAULIC CALCULATIONS.
  - PROVIDE WIRE GUARD SHIELDS OVER SPRINKLER HEADS IN ELECTRIC, STORAGE, MECHANICAL, TELEPHONE AND JANITORS ROOMS AND OTHER SIMILAR SPACES WHERE HEADS ARE SUBJECT TO MECHANICAL DAMAGE.
  - ALL SPRINKLER PIPING TO SLOPE TOWARDS MAIN DRAIN AT RISER TO ALLOW FOR ADEQUATE DRAINAGE OF THE SYSTEM.
  - PIPE MATERIAL SHALL BE SCH 40 BLACK STEEL MANUFACTURED IN THE UNITED STATES. VICTAULIC MECHANICAL JOINTS ARE ACCEPTABLE.
  - SEE DIVISION 15 SPECIFICATIONS ON M1 THROUGH M6 FOR ANY ADDITIONAL INFORMATION.
  - ALL SYSTEM GAUGES AND VALVES MUST BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE.

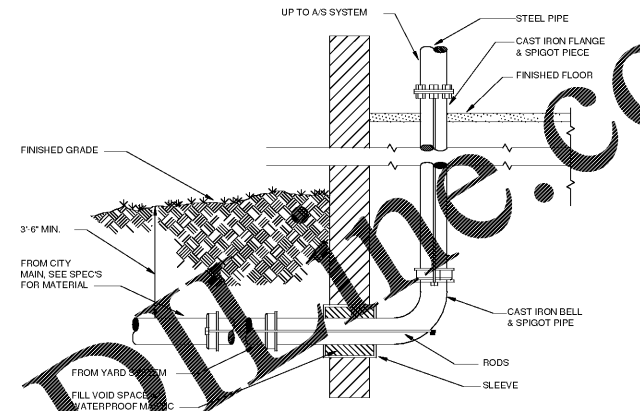
FIRE PUMP SCHEDULE	
UNIT NO.	FP-1
MANUFACTURER	XYLEM
MODEL #	1580
EMERGENCY POWER	NO
FIRE PUMP**	
G.P.M.	750
T.D.H. - PSI	80
H.P.	50
TYPE	INLINE
VOLTAGE	208/3/60
R.P.M.	3,550
SIZE	6 x 6 x 9.6 F.L.
JOCKEY PUMP** (1)	
MANUFACTURER	XYLEM
MODEL #	1580
G.P.M.	10
T.D.H. - PSI	100
H.P.	2
TYPE	INLINE
VOLTAGE	208/3/60
R.P.M.	3,500
CONTROL PANEL	
MANUFACTURER	FIRETRON
MODEL	FTA1930
UL LISTED	YES
CONNECT SWITCH	YES
INTERNAL AUTOMATIC TRANSFER SWITCH	YES
SOFT START CONTROL	YES

JOCKEY PUMP TO BE PROVIDED WITH FT4550-F X3 PUMP CONTROLLER.



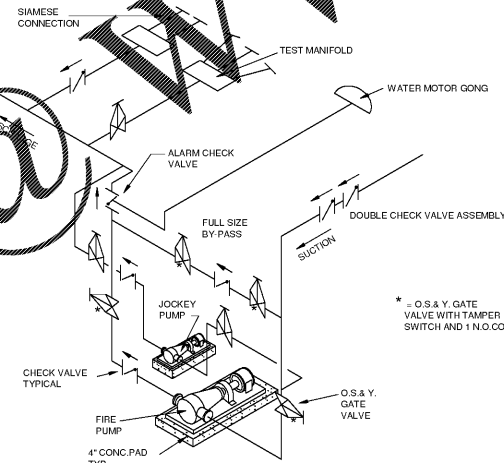
**FIRE SYSTEM RISER**

NO SCALE



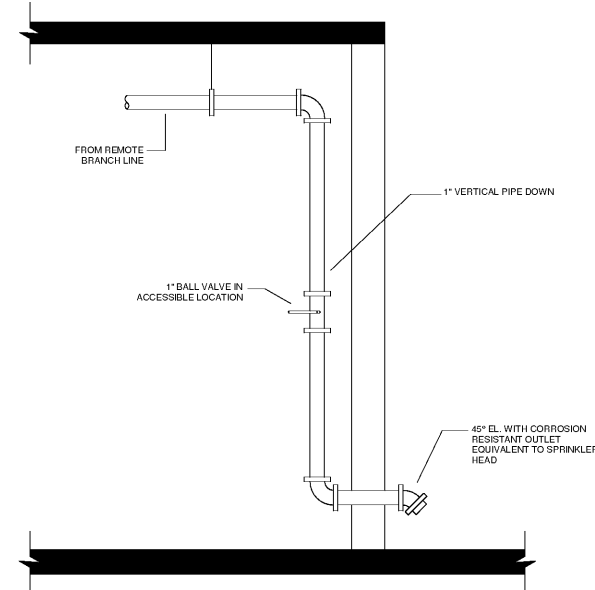
**FIRE LINE SERVICE ENTRANCE DETAIL**

NO SCALE



**FIRE & JOCKEY PUMP PIPING DETAIL**

NO SCALE



**INSPECTOR'S TEST DETAIL**

NO SCALE

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PROJECT NAME  
**ROCKLEDGE MULTI-FAMILY**  
220 Baron Boulevard  
Rockledge, FL 32955

SHEET TITLE  
**FIRE PROTECTION SPECS & DETAILS**

Revision Schedule		
No.	Description	Date

PROJECT NO. 0540150010	DATE 20/04/07	DRAWN [Signature]	CHECKED [Signature]
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FP001

GMP PRICING SET

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