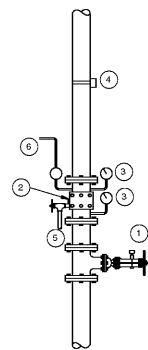


FIRE PROTECTION SPRINKLER SYSTEM NOTES

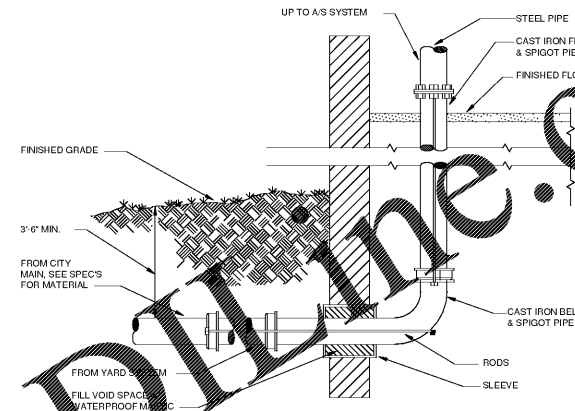
- SPRINKLER CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS NECESSARY TO PROVIDE A COMPLETE AND CODE ACCEPTABLE SPRINKLER SYSTEM FOR THE FACILITY IN PROJECT SCOPE.
- SPRINKLER SYSTEM DESIGN TO MEET NFPA 13 AND SHALL BE HYDRAULICALLY CALCULATED USING THE CRITERIA LISTED BELOW AND ANY LOCAL OR STATE CODE 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 150 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 100 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 TRACES 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 9.6F.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 |

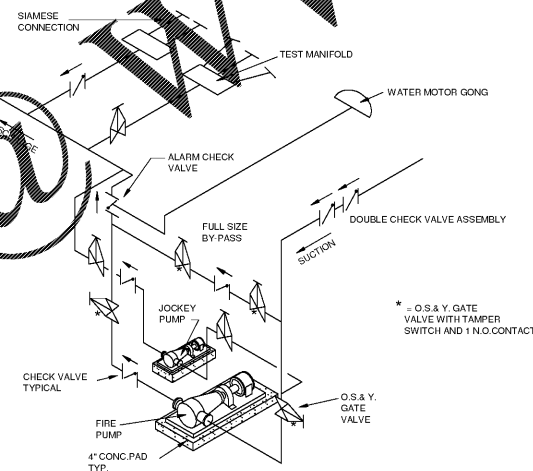
JOCKEY PUMP TO BE PROVIDED WITH FT4550-F X3 PUMP CONTROLLER.



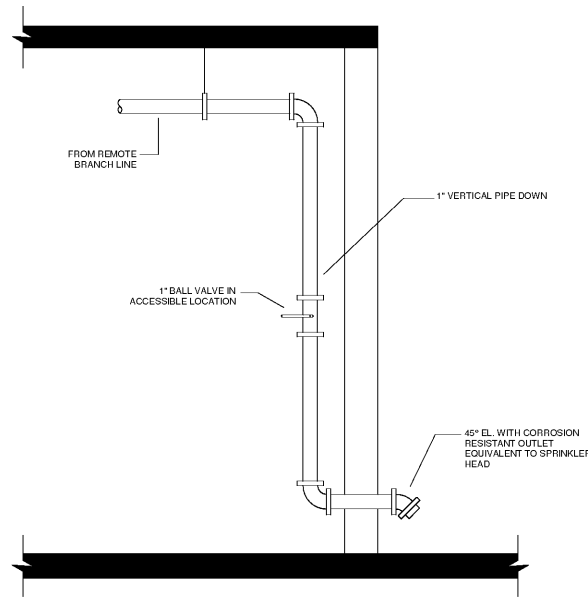
FIRE SYSTEM RISER
NO SCALE



FIRE LINE SERVICE ENTRANCE DETAIL
NO SCALE



FIRE & JOCKEY PUMP PIPING DETAIL
NO SCALE



INSPECTOR'S TEST DETAIL
NO SCALE

Order Plans

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CLIENT NAME
ROCKLEDGE MULTI-FAMILY

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

SHEET TITLE
FIRE PROTECTION SPECS & DETAILS

| Revision Schedule | |
|-------------------|-------------|
| No. | Description |
| | |
| | |

PROJECT NO. 0540150010
DATE 20/08/07
DRAWN
CHECKED
DATE

FP001

GMP PRICING SET

NOV 03, 2015