FIRE PROTECTION SYSTEM NOTES:

- 1. THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE & OPERATIVE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AS REQUIRED. THIS CONTRACTOR SHALL MEET THE INTENT OF THE PLANS & SPECIFICATIONS AS WELL AS THE ACCOMPANYING DOCUMENTS. THIS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL MATERIAL & LABOR NOT SPECIFICALLY LISTED OR DIRECTED WHICH MAY BE REQUIRED TO MEET THE INTENT OF THE PLANS & SPECIFICATIONS FOR A COMPLETE AND OPERABLE SYSTEM.
- 2. IT IS THIS CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL CUTTING, PATCHING, BOXING, PRIME AND FINISH WORK REQUIRED TO COMPLETE THE INSTALLATION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - A. WATER FLOW & PRESSURE TESTING OF AVAILABLE WATER SUPPLY SYSTEM.
- B. PIPE SIZING VIA THE HYDRAULIC PIPE SIZE METHOD PER NFPA-13.
- C. THE INSTALLATION OF ALL PIPING AND COORDINATION OF WORK WITH OTHER SUB-CONTRACTORS.
- D. INSPECTION & TESTING OF ALL PIPING & DEVICES, OBTAINING APPROVALS & PAYING OF ALL FEES AS REQUIRED FOR THE SYSTEM INSTALLATION & APPROVALS.
- E. ONE YEAR GUARANTEE ON MATERIAL & WORKMANSHIP. COMPLETE OPERATING INSTRUCTIONS INCLUDING MAINTENANCE & TESTING INSTRUCTIONS (POSTED IN SPRINKLER CONTROL AREA).
- 3. DO NOT PIERCE ANY STRUCTURAL MEMBER.

-SPRINKLER

CEILING —

FLOW SWITCH-

AUTO. ALARM CHECK VALVE -

BY SPRINKLER CONTRACTOR AS PART OF THE

(TYP.)

PRESSURE GAUGE (TYP.)

OS&Y GATE VALVE W/

TAMPER SWITCH (TYP.)

PLUMBING CONTRACT.

DEPARTMENT OF PUBLIC WORKS

TO SPRINKLERS (SIZE

SHALL BE DETERMINED

BY HYDRAULIC CALCS.

6"MAX

UPRIGHT SPRINKLER DETAIL

CHECK VALVE

CHAMBER

DCDA BACKFLOW

PREVENTER (6")

-WATTS 709

BRANCH LINE-

- 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE BUILDING STRUCTURE, AS WELL AS WITH OTHER TRADES DURING CONSTRUCTION. SEE PLANS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL OBTAIN APPROVAL & COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- 5. THE SPRINKLER SYSTEM SUB-CONTRACTOR AND THE FIRE ALARM SYSTEM SUB-CONTRACTOR SHALL COORDINATE THE SYSTEM WITH THE FIRE DEPARTMENT AND OBTAIN ALL APPROVALS AND PAY ALL FEES.

-FIRE DEPT. SIAMESE CONNECTION W/AUTO

FINISHED GRADE - COORDINATE EXACT

-NEW 6" SPRINKLER MAIN

FROM MUNICIPAL WATER

MAIN BY P.C. 4" MIN B.G.

LOCATION WITH ARCHITECTURAL DRAWINGS. COORDINATE REQUIREMENTS WITH LOCAL

BALL DRIP. MOUNT AT 3'-0" ABOVE

FIRE DEPARTMENT.

`─WATER METER & ELEC. BELL ALARM. COORD LOCATION WITH ARCH DWG'S

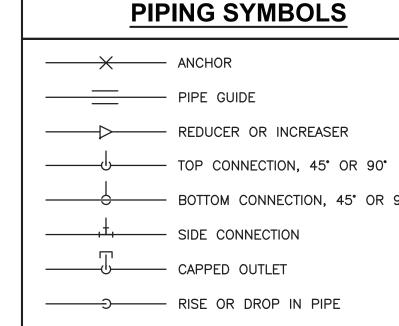
> -MAIN SHUT-OFF VALVE (BY PLUMBING CONTRACTOR)

RODS (TYP.)

-BY PLUMBING

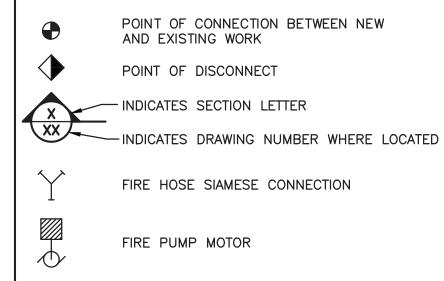
CONTRACTOR

- 6. SUPERVISORY SWITCHES AND FLOW SWITCHES TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONNECTIONS TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR.
- 7. SPRINKLER CONTRACTOR SHALL PROVIDE ENGINEER WITH SIGNED & SEALED HYDRAULIC CALCULATIONS AND PIPE LAYOUT FOR REVIEW AND APPROVAL.
- 8. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH RATED WALLS AND CEILINGS WITH INTUMESCEANT TYPE FIRE SEALANT CAULK. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS IN FINISHED AREAS.
- 9. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A MAXIMUM COVERAGE AS SHOWN ON PLANS WHILE AVOIDING LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS PIPING AND SPRINKLERS FOR PROPER COVERAGE IN EACH AREA. ADD SPRINKLERS AS REQUIRED FOR PROPER COVERAGE AS DICTATED BY ACTUAL FIELD
- 10. ALL FIRE PROTECTION SYSTEMS PROVIDED SHALL BE U.L. LISTED AND F.M. APPROVED AS APPLICABLE.
- 11. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 12. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- 13. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.



- BOTTOM CONNECTION, 45° OR 90°

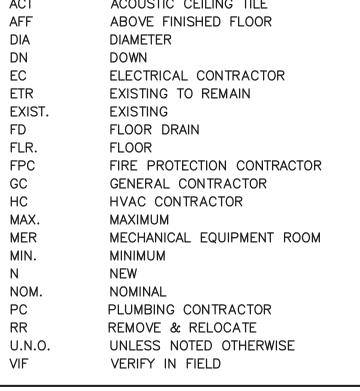
GENERAL SYMBOLS



PENDANT SPRINKLER HEAD SIDE WALL SPRINKLER HEAD

UPRIGHT SPRINKLER HEAD

ACOUSTIC CEILING TILE AFF ABOVE FINISHED FLOOR DIA DIAMETER DN EC ELECTRICAL CONTRACTOR ETR EXISTING TO REMAIN EXIST. EXISTING FLOOR DRAIN FD FLR. FLOOR FPC FIRE PROTECTION CONTRACTOR GC GENERAL CONTRACTOR HC HVAC CONTRACTOR MAX. MAXIMUM MER MECHANICAL EQUIPMENT ROOM MIN. MINIMUM NEW NOM. NOMINAL



ABBREVIATIONS



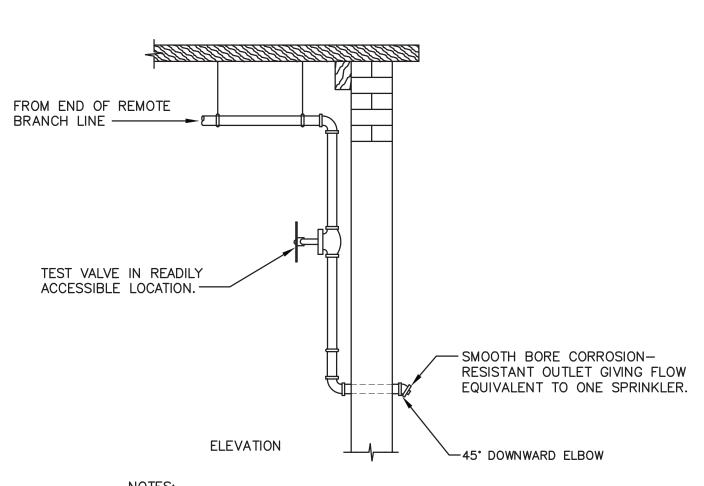
---- NEW SPRINKLER PIPE

SPRINKLER LEGEND

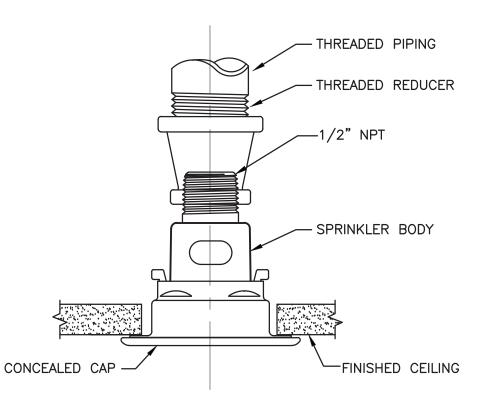
NEW SPRINKLER

LEGEND AND SCHEDULE OF SPRINKLER EQUIPMENT			
SYMBOL	MFTR.	CATALOG #	DESCRIPTION
•	VIKING	VK-404	"HORIZON MIRAGE" QUICK RESPONSE CONCEALED PENDANT SPRINKLER ORDINARY TEMPERATURE CLASSIFICATION, 175PSI MAX. WORKING PRESSURE, BRASS BODY, ½" NPT THREAD SIZE, K=5.6, WHITE FINISH, FUSIBLE LINK.
0	VIKING	VK-301	UPRIGHT SPRINKLER, QUICK RESPONSE, FUSIBLE ELEMENT, BRASS BODY, ½" NPT THREAD SIZE, K=5.6, ORDINARY TEMPERATURE CLASSIFICATION.
$ullet_{D}$	VIKING	VK-176	QUICK RESPONSE DRY PENDANT SPRINKLERS, 175 PSI MAX. WORKING PRESSURE, BRASS BODY, 1" NPT THREAD SIZE, K=5.6, WHITE FINISH, ORDINARY TEMPERATURE CLASSIFICATION, FUSIBLE LINK. FIRE PROTECTION CONTRACTOR TO DETERMINE THE DISTANCE

\mid FROM THE FACE OF THE TEE TO THE FINISH CEILING WITH HYDRAULIC CALCULATIONS.



- 1. NOT LESS THAN 4 FT (1.2M) OF EXPOSED TEST PIPE IN WARM ROOM BEYOND VALVE WHERE PIPE EXTENDS THROUGH WALL TO OUTSIDE. 2. COORDINATE LOCATION WITH OWNER.
- INSPECTOR'S TEST CONNECTION DETAIL



1. UPON SPRINKLER ACTIVATION, THE DEFLECTOR SHALL DESCEND TO APPROXIMATELY 13/16" BELOW THE SPRINKLER BODY.

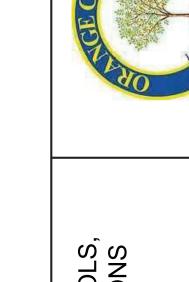
CONCEALED PENDANT SPRINKLER DETAIL

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.



HYMAN HAYES SOCIAT

SYMBOLS, EVIATIONS CTION S ABBRE PROTECTS AND FIRE

SHEET NUMBER

WET SPRINKLER ENTRANCE -TYPICAL

1. ALL BACKFLOW PREVENTERS (709, 909 ETC) SHALL MEET THE REQUIREMENTS OF, AND BE APPROVED BY

2. PIPE BACKFLOW PREVENTER BLOW - OFF TO NEAREST FLOOR DRAIN. PROVIDE INDIRECT DRAIN CONNECTION.

- PIPE SUPPORT

