

- PLANS CONFORM TO THE 2013 EDITION OF NFPA 13 AND LOCAL A.H.J. REQUIREMENTS. - ALL THREADED PIPE 2" & SMALLER IS SCH 40.

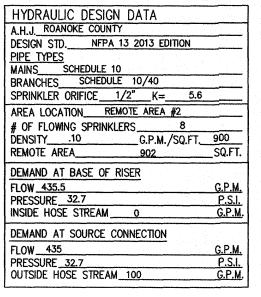
ALL GROOVED PIPE 1-1/2" & LARGER IS SCH 10 ALL UNDERGROUND IS DUCTILE IRON. ALL FITTINGS PER NFPA 13 TO BE GROOVED

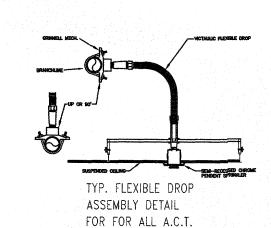
FITTINGS AND COUPLINGS FOR SCH. 10 PIPE AND GROOVED, CAST OR MALLEABLE IRON SCREWED FITTINGS FOR SCH. 40 PIPE. FOR BUILDING OCCUPANCY, ALL SPRINKLERS

SHALL HAVE THEIR DEFLECTORS INSTALLED BELOW ROOF AND/OR CEILING ASSEMBLIES BETWEEN 1" TO 12" MAXIMUM, DEPENDING ON THE TYPE OF ROOF AND/OR CEILING CONSTRUCTION CLASSIFICATION.

OTHERS ARE RESPONSIBLE FOR MAINTAINING BUILDING TEMPERATURE AT ABOVE FREEZING. - THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER SHALL NOT BE MORE THAN 36" FOR 1" PIPE, OR 48" FOR 1-1/4" PIPE.

- ALL ARMOVERS GREATER THAN 24" SHALL BE SUPPORTED BY A HANGER. 1" TO 4" PIPE TO BE SUPPORTED WITH 3/8" ALL THREAD ROD AND 3/8" HANGER ASSEMBLIES. 5" TO 6" PIPE TO BE SUPPORTED WITH 1/2" ALL THREAD ROD AND 1/2" HANGER ASSEMBLIES.
- CONTROL VALVES TO BE PROVIDED WITH TAMPER SWITCHES INSTALLED BY M.C.S. & CONNECTED TO FIRE DEPARTMENT REMOTE STATION. WIRING BY OTHERS. NO COMBUSTIBLE CONSTRUCTION WILL BE
- ABOVE THE CEILINGS, BELOW FLOORS, OF IN ANY CONCEALED SPACES UNLESS PROTECTED BY SPRINKLERS. IF HORIZONTAL OVERHEAD DOORS ARE
- PROVIDED, SPRINKLER PROTECTION SHALL BE PROVIDED BOTH ABOVE AND BELOW THE DOORS (UNLESS NOTED OTHERWISE). BEFORE ANY SPRINKLER PIPING IS CONCEALED
- THE SPRINKLER CONTRACTOR SHALL NOTIFY LOCAL AHJ INSPECTOR 48 HOURS IN ADVANCE, SO THAT THE FIRE INSPECTOR CAN INSPECT THE SYSTEMS PIPING FOR CONFORMANCE WITH CODE REQUIREMENTS. HYDROSTATICALLY TEST ALL NEW SPRINKLER PIPING AT 200psi FOR 2 HOURS. NOTIFY LOCAL AHJ AND/OR PROPER AUTHORITIES
- 48 HOURS PRIOR TO TEST. - ALL OFFICE AND BREAKROOM AND RESTROOMS ARE CLASSIFIED AS LIGHT HAZARD OCCUPANCIES. - MEZZANINE, AND STORAGE CLOSETS ARE CLASSIFIED AS ORDINARY HAZARD OCCUPANCIES. WAREHOUSE IS CLASSIFIED AS EXTRA HAZARD GROUP 2 OCCUPANCIES.





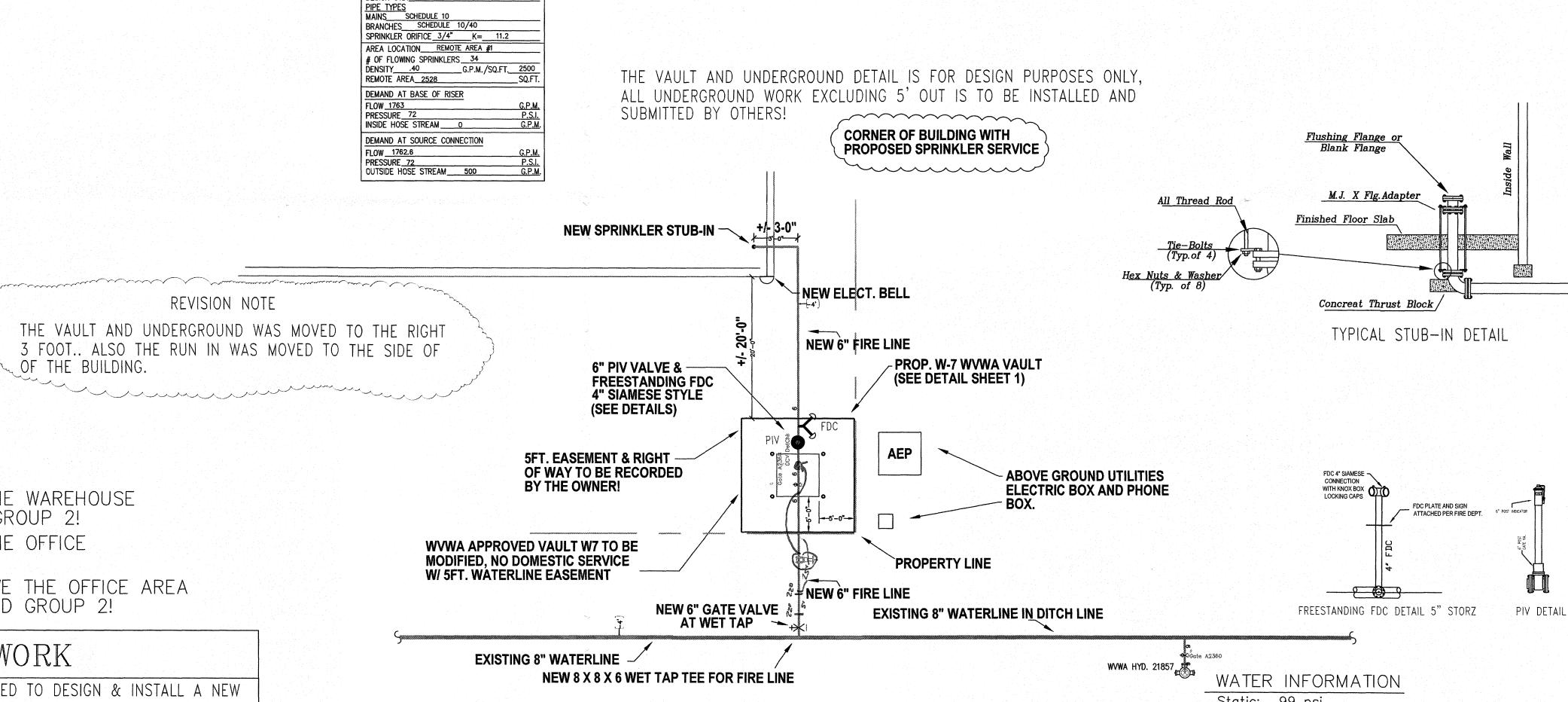
NOTE: ALL UPRIGHT SPRINKLERS TO BE 1"-12" BELOW ROOF DECK!

NOTE: ALL SPRINKLER HEADS IN THE WAREHOUSE ARE SPACED FOR EXTRA HAZARD GROUP 2! NOTE: ALL SPRINKLER HEADS IN THE OFFICE ARE SPACED FOR LIGHT HAZARD!

NOTE: ALL SPRINKLER HEADS ABOVE THE OFFICE AREA ARE SPACED FOR ORDINARY HAZARD GROUP 2!

SCOPE OF WORK

MAGIC CITY SPRINKLER HAS BEEN CONTRACTED TO DESIGN & INSTALL A NEW WET AUTOMATIC SPRINKLER SYSTEM FOR DAVIDSON HOUSE ON COMMONWEALTH DR. IN ROANOKE CO. , VA PLANS CONFORM TO THE NFPA-13 2013 EDITION. AND THE LOCAL AUTHORITY HAVING JURISDICTION. MAGIC CITY SPRINKLER IS NOT RESPONSIBLE FOR THE INSTALLATION OF UNDERGROUND PIPING, VAULT INSTALLATION, NOR CONNECTING TO THE CITY WATER MAIN. IT IS TO BE INSTALLED AND SUBMITTED BY OTHER.



Material 6"- AFC JAPEING

COMMONWEALTH DR.

Static: 99 psi Residual: 87 psi Flow: 1866 gpm Test by: W.V.W.A.

Test performed: 12-20-2019

4370237023702370

1" TEST VAL IN ACCESSIBLE LOCATION

WET PIPE SYSTEM TEST CONNECTION

RISER MANIFOLD W/: (1) DRAIN AND TEST (2) FLOW SWITCH (3) PRESSURE GAUGE (4) SIGNS ON BODY

DIAGRAMMATIC ONLY AND MAY VARY SLIGHTLY FROM THE ACTUAL FIELD INSTALL! 2011-1-5:50

PREFER. FROM ABOVE

2" MAIN DRAIN — ASSEMBLY PIPED TO OUTSIDE

SPARE HEAD BOX ----

RISER DETAIL

SCALE: NOT TO SCALE

DENNIS W. HAYES CERTIFICATION NO. 115686 CERTIFICATION LEVEL 3 SENIOR TECHNICIAN

SITE PLAN SCALE: NOT TO SCALE

JOB NORTH HEAD LEGEND GENERAL NOTES TYPICAL HANGER DETAILS SYMBOL LEGEND RTY. SYM. MAKE | FINISH | TEMP° | K | NPT | MFG. | MODEL SIN No. | ESCUTCHEON ALL PIPE 2" AND SMALLER TO BE SCHEDULE 10 AND/OR 40 STEEL PIPE. (11) (11) HYDRAULIC NODE OR REFERENCE POINT REVISIONS SYSTEM RISER - SEE RISER DETAIL PIPE 2-1/2" AND LARGER TO BE SCHEDULE 10 AND/OR 40 STEEL PIPE. DATE DESCRIPTION ALL SPRINKLER SYSTEM MATERIALS TO BE U.L. LISTED AND/OR FACTORY MUTUAL SYSTEM CONTROL VALVE PIPE CAP 1/6/2020 SUBMITTED DAVIDSON HOUSE SPRINKLER MAIN LINE PIPE TAG 44 **●** QR-SSP CHROME 155 5.6 1/2" TYCO TY-FRB TY3231 S. RECESSED PIPE RISE OR DROP SPRINKLER BRANCH LINE PIPE TAG PIPE HANGERS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED 102 O ELO-231-SSU BRASS 155' 11.2 3/4" TYCO TY-ELO TY5151 N/A 5/28/2020 RESUBMITTED 6410 COMMONWEALTH DR. ROANOKE, VA 24018 NEW PIPE A.T.Rod (Length) A.T.Rod (Length) DGDC BACKFLOW PREVENTER
W/ TAMPER SWITCHES EDITION OF NFPA 13 2010. EXISTING PIPE FIRE PROTECTION PLAN IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE AND MAINTAIN HEAT IN PIPE HANGER FIRE DEPARTMENT CONNECTION ALL AREAS OF SPRINKLER SYSTEM SUBJECT TO FREEZING. GROOVED COUPLING OF LAT PIPE CENTERLINE ABOVE FINISHED FLOOR Drawn by: T.OBENCHAIN | Permit # PAINTING AND PATCHING BY OTHERS. insp.Tel.# 11-0 ACTUAL CUT LENGTH OF PIPE ELECTRICAL WIRING BY OTHERS. DISTANCE BELOW DECK IN INCHES TO 7'-0" DIMENSION FROM STEEL OR WALL Checked by: D.H File name: Job no. 7628-19 7. SPRINKLER HEADS ARE NOT REQUIRED TO BE CENTERED IN CEILING TILES ONE WAY CENTERLINE OF PIPE PROJECT TOTAL 149 149 | TOTAL THIS SHEET Scale: 1/8"=1'-0" UNO | Date: 1/6/2020 | Sheet 1 of 1