

CPVC CURING TIMES

FOR TFP-400, TFP-500
VICTAULIC #899 & SPEARS FS-5
CURE TIMES WITH ONE STEP SOLVENT CEMENT
200 PSI (MAXIMUM) TEST PRESSURE

PIPE SIZE (NPS)	TEMP. 0 TO 20° F	40 TO 50° F	60 TO 70° F	70 TO 80° F	80 TO 90° F	90 TO 95° F
1/2"	45 MIN.	1.5 HR.	24 HR.	24 HR.	24 HR.	24 HR.
1-1/4"	1.5 HR.	16 HR.	120 HR.	120 HR.	120 HR.	120 HR.
1-7/8"	1.5 HR.	16 HR.	120 HR.	120 HR.	120 HR.	120 HR.
2-1/2"	6 HR.	36 HR.	36 HR.	36 HR.	36 HR.	36 HR.
2-1/2"	8 HR.	48 HR.	72 HR.	72 HR.	72 HR.	72 HR.

NOTE: FOR THESE SIZES THE SOLVENT CEMENT CAN BE APPLIED AT TEMPERATURES BELOW 32°F HOWEVER THE SPRINKLER SYSTEM TEMPERATURE MUST BE RAISED TO A TEMPERATURE OF 32°F OR ABOVE AND ALLOWED TO CURE FOR THE ABOVE RECOMMENDATIONS PRIOR TO PRESSURE TESTING.

CPVC HANGING NOTES

PIPE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
CPVC MAXIMUM SUPPORT SPACING (FT)	8'	6'	6'-7/2"	7'	8'	9'	10'

EXCEPTIONS FOR 13D 2010ed. SYSTEM

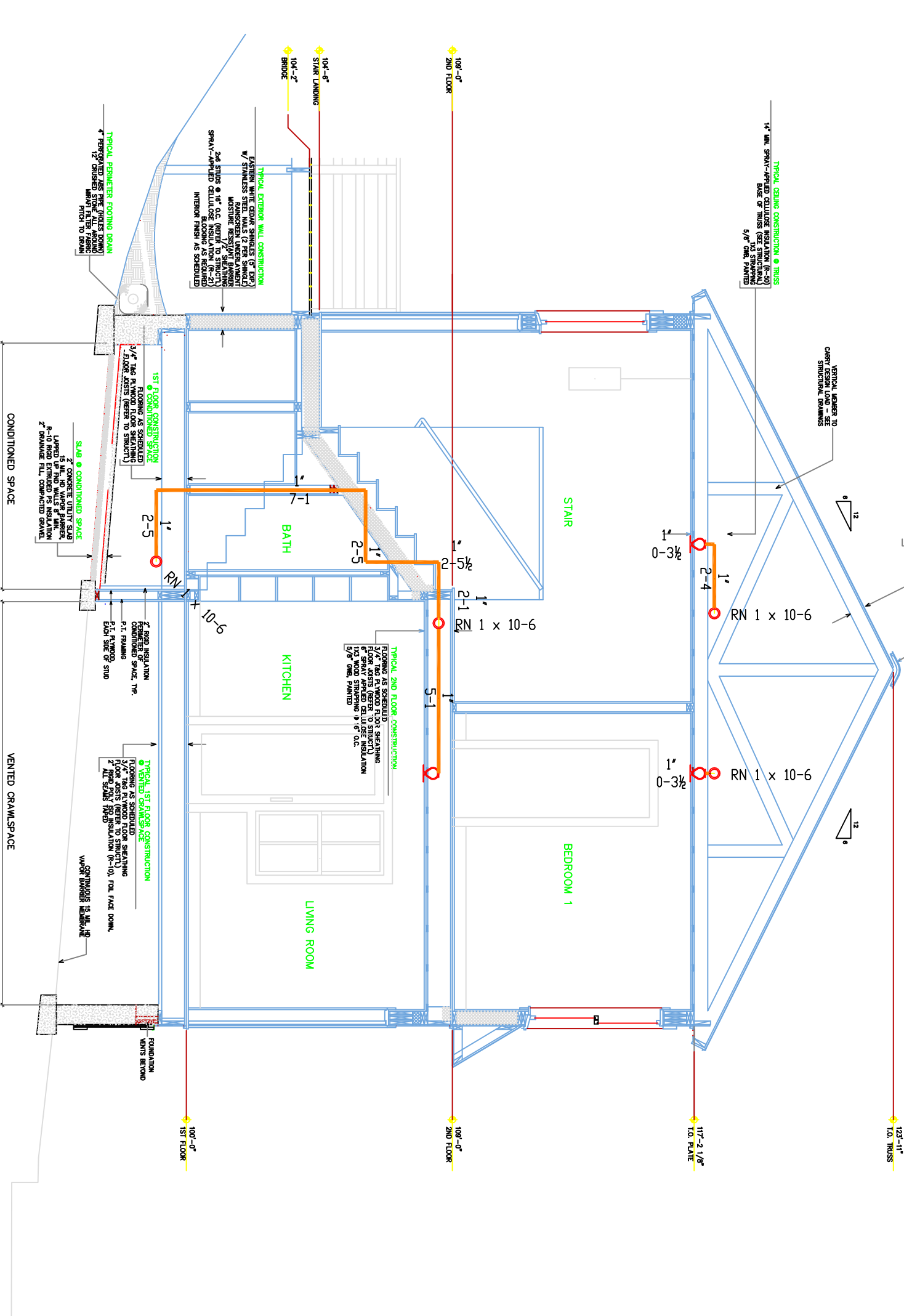
- SPRINKLERS SHALL BE INSTALLED IN ALL AREAS EXCEPT AS NOTED BELOW
(13D) 6.6.6. SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS THAT DO NOT EXCEED 95 SQ. FT.
(13D) 6.6.6. SPRINKLERS SHALL NOT BE REQUIRED IN CLOTHES CLOSETS, PANTRY'S, BATHS, AND HALLS THAT DO NOT EXCEED 150 SQ. FT. WHEN THE FOLLOWING CONDITIONS ARE MET:
1) THE AREA OF THE SPACE DOES NOT EXCEED 24 FT. SQ.
2) THE WALLS AND CEILING ARE SURFACED WITH NON-COMBUSTIBLE OR LIMITED-COMBUSTIBLE MATERIAL.
(13D) 6.6.6. SPRINKLERS SHALL NOT BE REQUIRED IN GARAGES, OPEN ATTACHED PORCHES, AND SMALL STRUCTURES.
(13D) 6.6.6. SPRINKLERS SHALL NOT BE REQUIRED IN MATCHES, PENHOUSE EQUIPMENT ROOMS, ELEVATOR/MACHINE ROOMS, CONCRETE SPACES, UNFINISHED ATTICS, UNFINISHED GARAGES, GARAGE ATTACHED PORCHES, SWIMMING POOLS, AND OTHER SPACES, ELEVATOR SHAFTS, CRAWL SPACES, AND OTHER UNOCCUPIED AREAS THAT DO NOT CONTAIN FLAMMABLE LIQUID OR GASEOUS MATERIALS FOR USE IN CONNECTION WITH THE BUILDING'S OPERATIONS.
(13D) 6.6.6. SPRINKLERS SHALL NOT BE REQUIRED IN COVERED AREAS AS LONG AS THE DWELLING UNIT HAS ANOTHER MEANS OF EGRESS.

PROJECT DESCRIPTION

THE BUILDING CONSISTS OF 2 LEVELS WITH CONDITIONED ATTIC & CRAWL SPACE OF WOOD FRAMING, FIBERGLASS INSULATION AND ROOFING. THE BUILDING IS A RESIDENTIAL LIVING USAGE, UNOCCUPIED ATTIC SPACE & UNOCCUPIED CRAWL SPACE.
THE BUILDING WAS BUILT & DESIGNED FOR RESIDENTIAL LIVING USAGE, UNOCCUPIED ATTIC SPACE & UNOCCUPIED CRAWL SPACE.
SPRINKLER SYSTEM DESIGN:
THERE IS A WET SYSTEM FOR THE LIVING UNIT IN ACCORDANCE WITH NFPA 13D 2010ed.
RESIDENTIAL LIVING SPACE COVERED WITH RESIDENTIAL PENDENT SPRINKLER HEADS FED FROM CPVC SPRING ABOVE GC TO PROPERLY INSULATE AROUND SPRINKLER PIPING TO PREVENT WATER FILLED PIPE FROM FREEZING.
THE SPRINKLER SYSTEM WAS DESIGNED TO MEET ALL APPLICABLE CODES REGARDING NFPA 13D 2010ed. SYSTEM.



5 PLOT PLAN
SCALE: N.T.S.



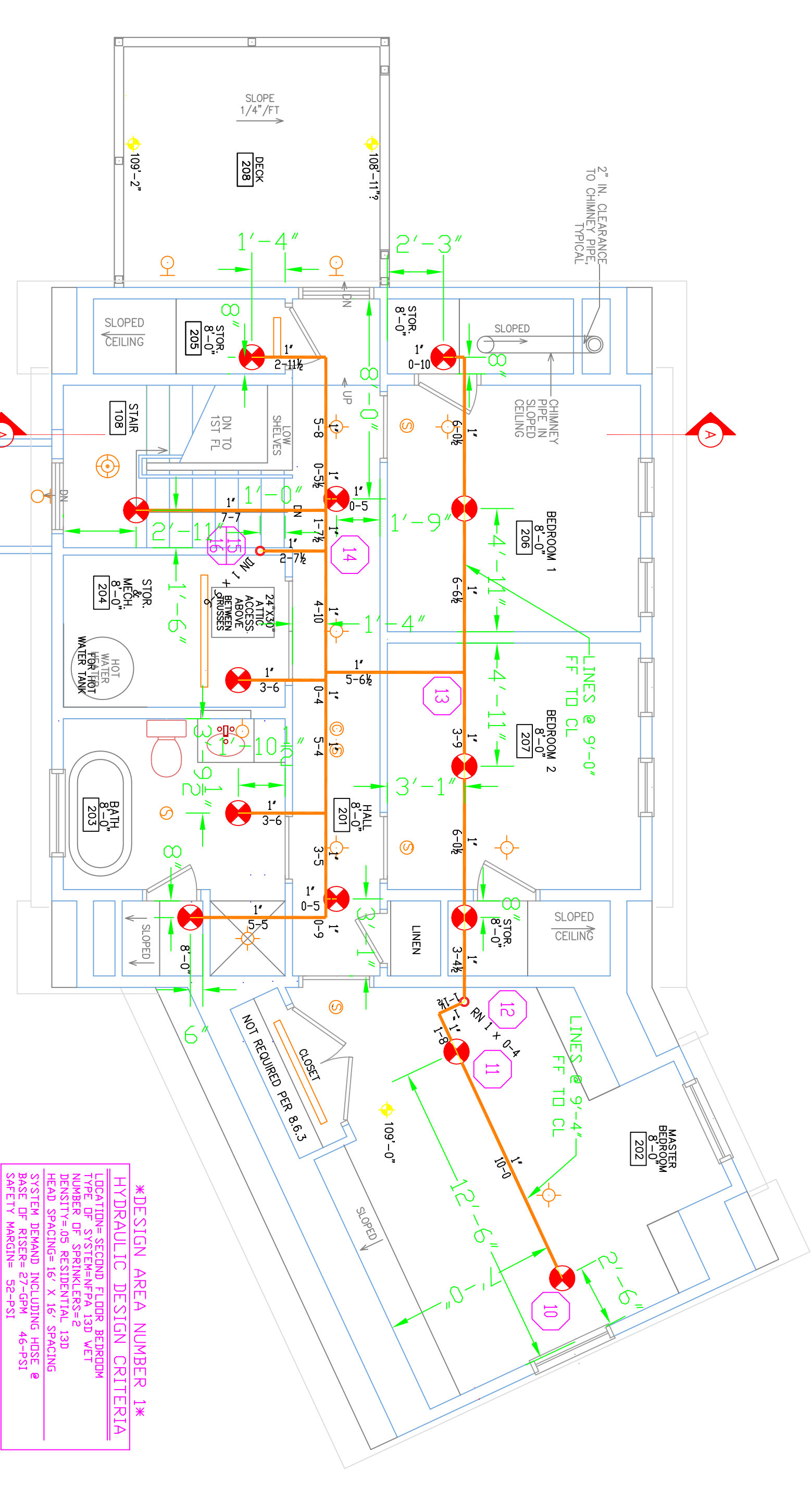
4 SECTION 'A'
SCALE 1/4" = 1'-0"

SPRINKLER SYSTEM DESCRIPTIONS

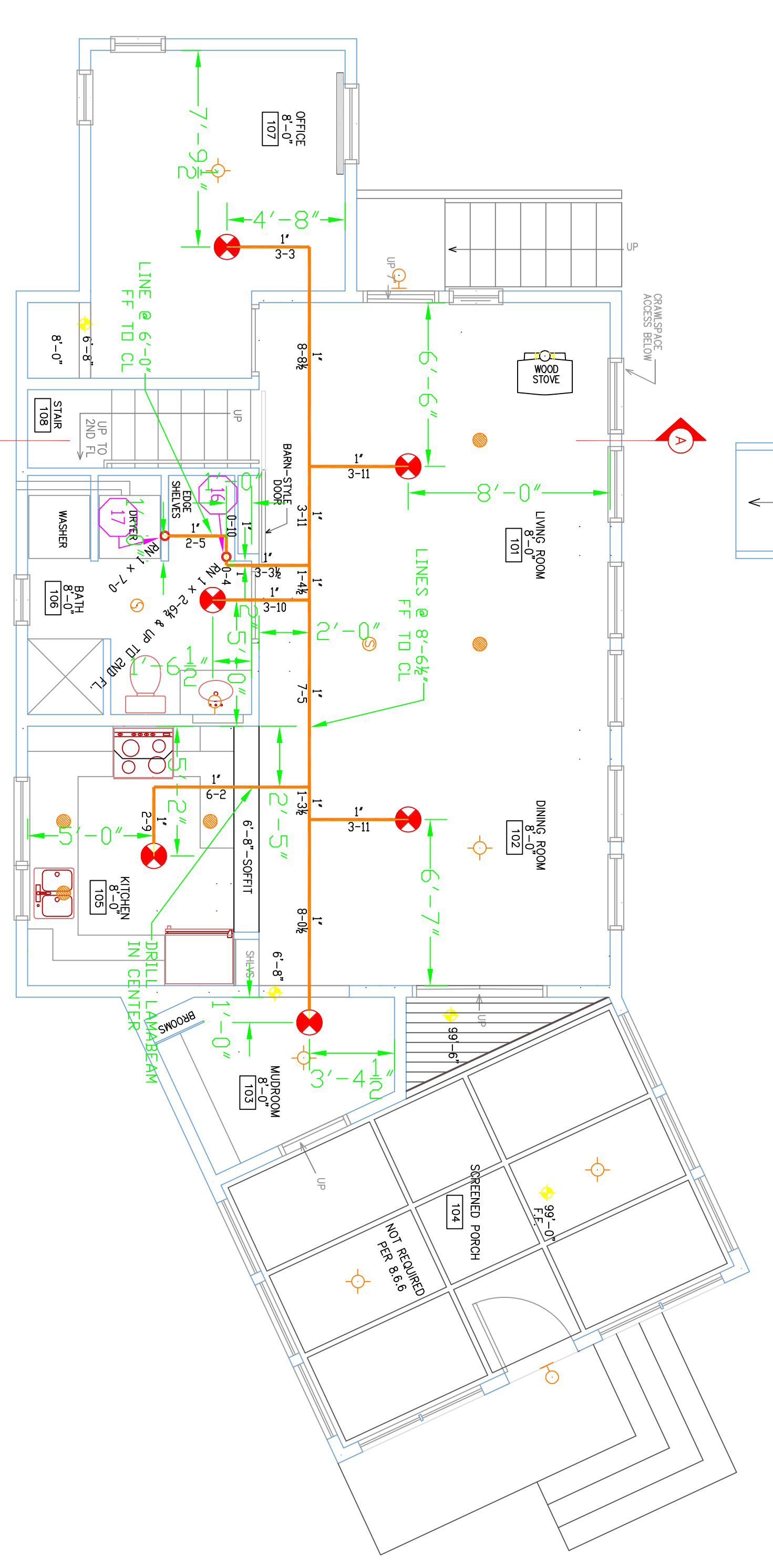
- 2" CTS POLY UNDERGROUND (BY OTHERS) 1'-0" ABOVE GRADE
- 2" FORD POLY TO THREAD BRASS ADAPTER WITH 2" X 1" BRASS BUSHING
- 1" BRASS NIPPLE
- WATER PRESSURE GAUGES
- 1" WILKINS 950 XLT BACKFLOW PREVENTER.
- SHUT OFF VALVES
- STEEL TO CPVC ADAPTER TO SPRINKLER SYSTEM
- 1" DRAIN VALVE
- 1" DRAIN DISCHARGE TO EXTERIOR GRADE
- PIPE STAND

FOR APPROVED EQUAL

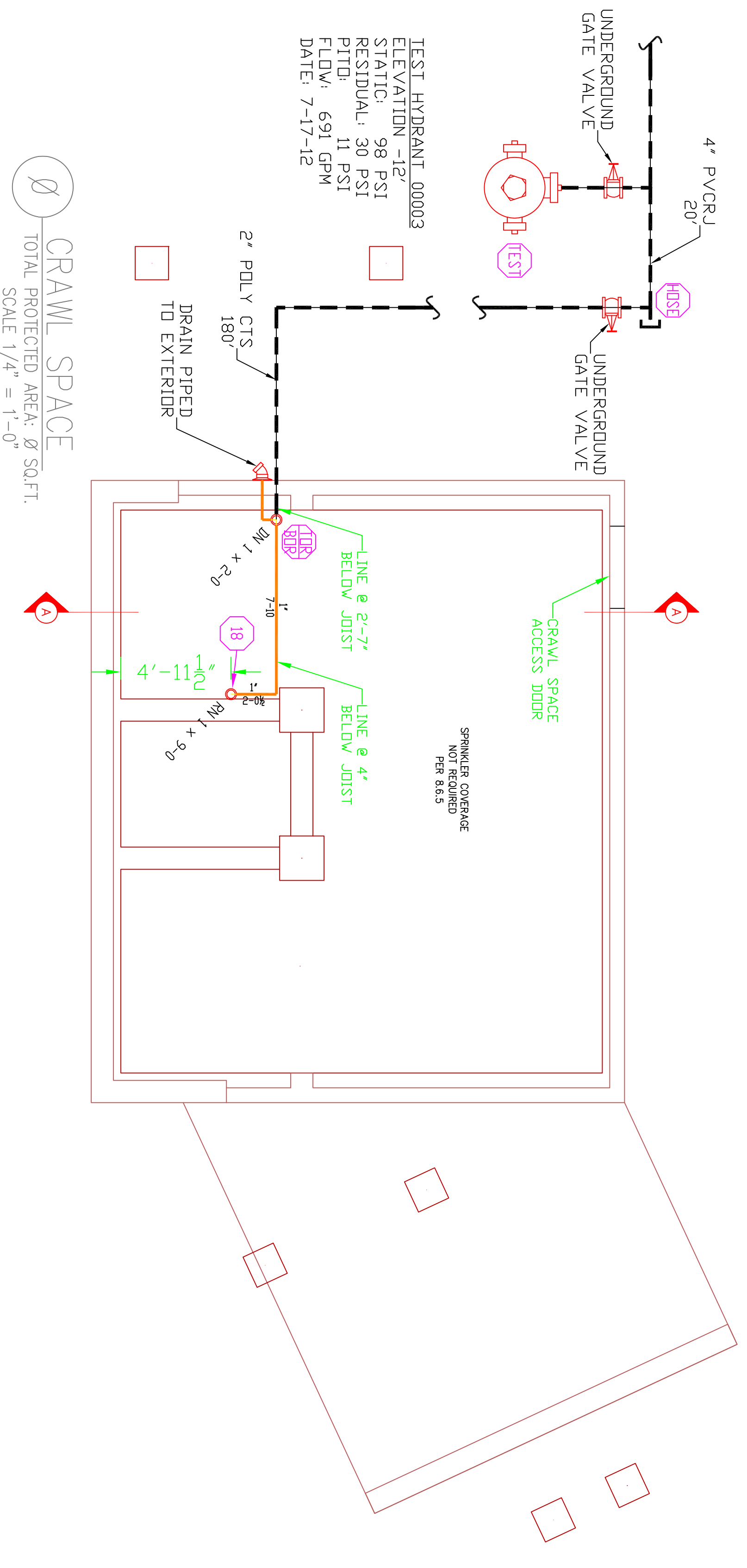
TOTAL HEADS ON THIS SHEET: 19
SCALE: 1/4" = 1'-0"
NO. DATE: DESCRIPTION:
DATE: MARCH 12, 2013
DESIGNER: ED BUDIN (RMS# 515)
CHECKED BY: AL COSS
LOCATION: 66 SHORE ROAD CUSHING ISLAND, ME
DRAWING TITLE: ANHOLT-WHITE COTTAGE
DRAWING NO.: FP-01



2 SECOND FLOOR
TOTAL PROTECTED AREA: 800 SQ.FT.
SCALE 1/4" = 1'-0"



1 FIRST FLOOR
TOTAL PROTECTED AREA: 802 SQ.FT.
SCALE 1/4" = 1'-0"



3 RISER DETAIL
SCALE: N.T.S.

FIRE PROTECTION PLAN (NFPA 13D 2010ed.)
DRAWING NO.: FP-01

HIGH TECH
P.O. BOX 156
MILFORD, ME 04258-0156
TEL: (207) 998-2551 FAX: (207) 998-4857
NAME LICENSE # 102
GENERAL CONTRACTOR ON RECORD:
THAYER COMPANY 878-5533
THAYER THAYER 653-5346
JASON 508-568-4307
SPECIAL APPLICATIONS:

LEGEND:
○ MVA PIPE RISER UP OR DOWN
▲ PROPOSED PIPE
△ SYSTEM RISER
+ PIPE FROM 1/2" MAINS TO LINES
+ SWAY BRACING
⊙ HYDRAULIC CALC. POINT
DESIGN & SYSTEM NOTES:
WITH SPACING 12' ALL LINES TO BE SCHEDULE 40 WITH APPROPRIATE FINISHING AND USE OF SPRINKLERS SHALL BE IN ACCORDANCE WITH NFPA 13D.
POSITION, LOCATION, SPACING, AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13D. BURNED OR REWORKED HANGERS SHALL BE IDENTIFIED AND REWORKED.
DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER ACTUAL FIELD CONDITIONS TO ACCOMMODATE OWNERS TO PROVIDE ADEQUATE HEAD THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES.
OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13D. THE DESIGNER OF THIS PROJECT IS NOT RESPONSIBLE FOR THE MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS AND/ OR LINES, ORERS AND BRANCHES, AND/OR LOCAL OWNERS TO MAINTAIN THE SYSTEM.
ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.
ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.

RELIABLE*
MODEL RHC49
19 7/155
K-4.9
1/2" WHITE CONCEALED PENDENT
16" X 16" SPACING