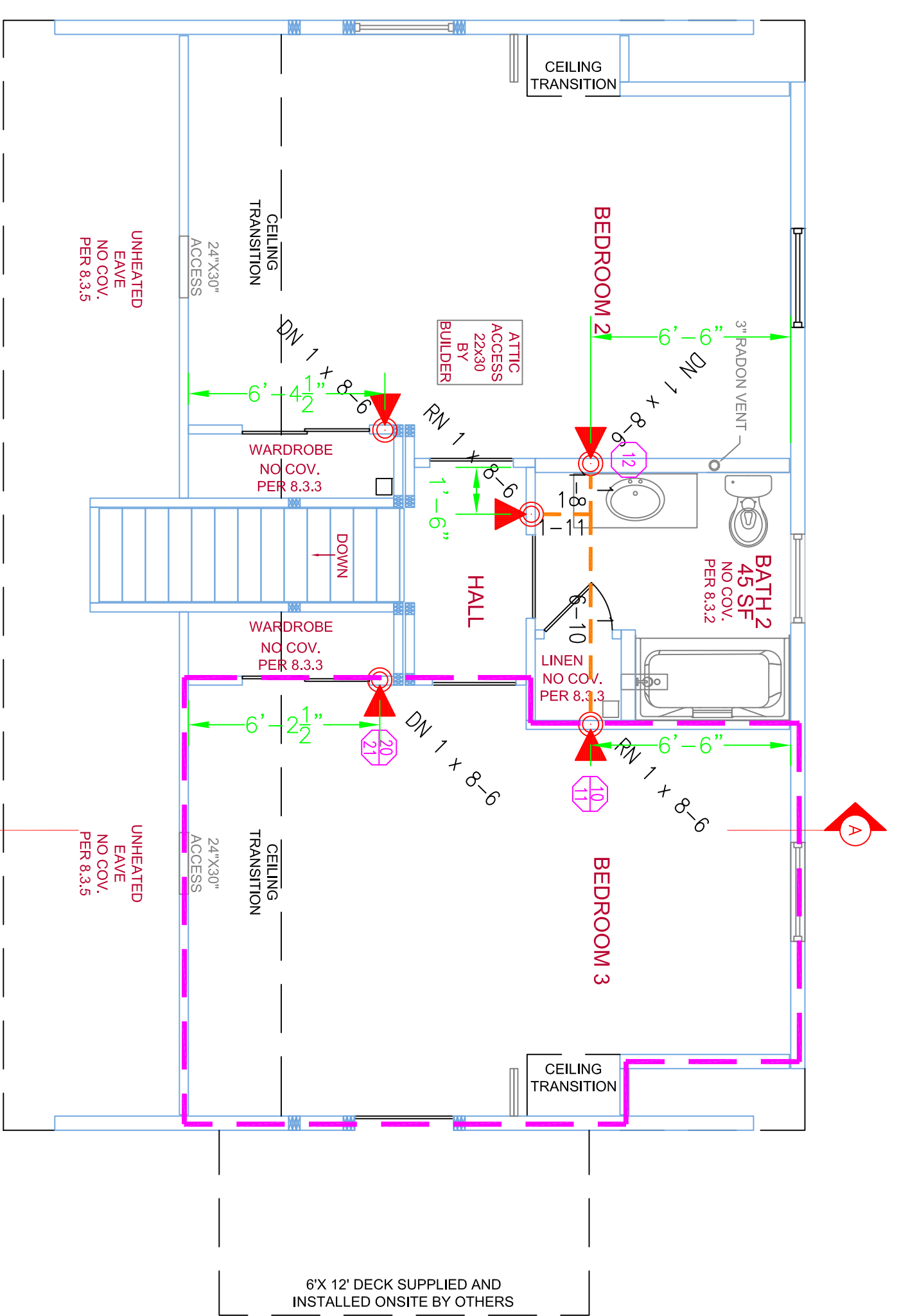


2 SECOND FLOOR
TOTAL PROTECTED AREA: 650 SQ.FT.
SCALE 1/4" = 1'-0"



HYDRAULIC DESIGN AREA
LOCATION: 2ND FLOOR BEDROOM 3
AREA: 110 SQ. FT.
NUMBER OF OCCUPANTS: 2
HEAD RATED: 140 KCAL
HEAD SPACING: 18 SQ. FT. 14' x 14'
SYSTEM RATED: 2.5-175
ACTIVITY RATING: 24-175

**FOR TFP-400, TFP-500
VICI TAULIC #899 & SPEARS FS-5**

CURE TIMES WITH ONE STEP SOLVENT CEMENT

PIPE SIZE (INCHES)	MINIMUM TEMPERATURE DURING CURE PERIOD (MIN)	MINIMUM TEMPERATURE DURING CURE PERIOD (HR)
3/4"	45 MIN.	24 HR.
1"	45 MIN.	24 HR.
1-1/4"	1.5 HR.	16 HR.
1-1/2"	1.5 HR.	16 HR.
2"	8 HR.	36 HR.
2-1/2"	8 HR.	36 HR.
3"	8 HR.	36 HR.
4"	8 HR.	36 HR.
6"	8 HR.	36 HR.
8"	8 HR.	36 HR.
10"	8 HR.	36 HR.

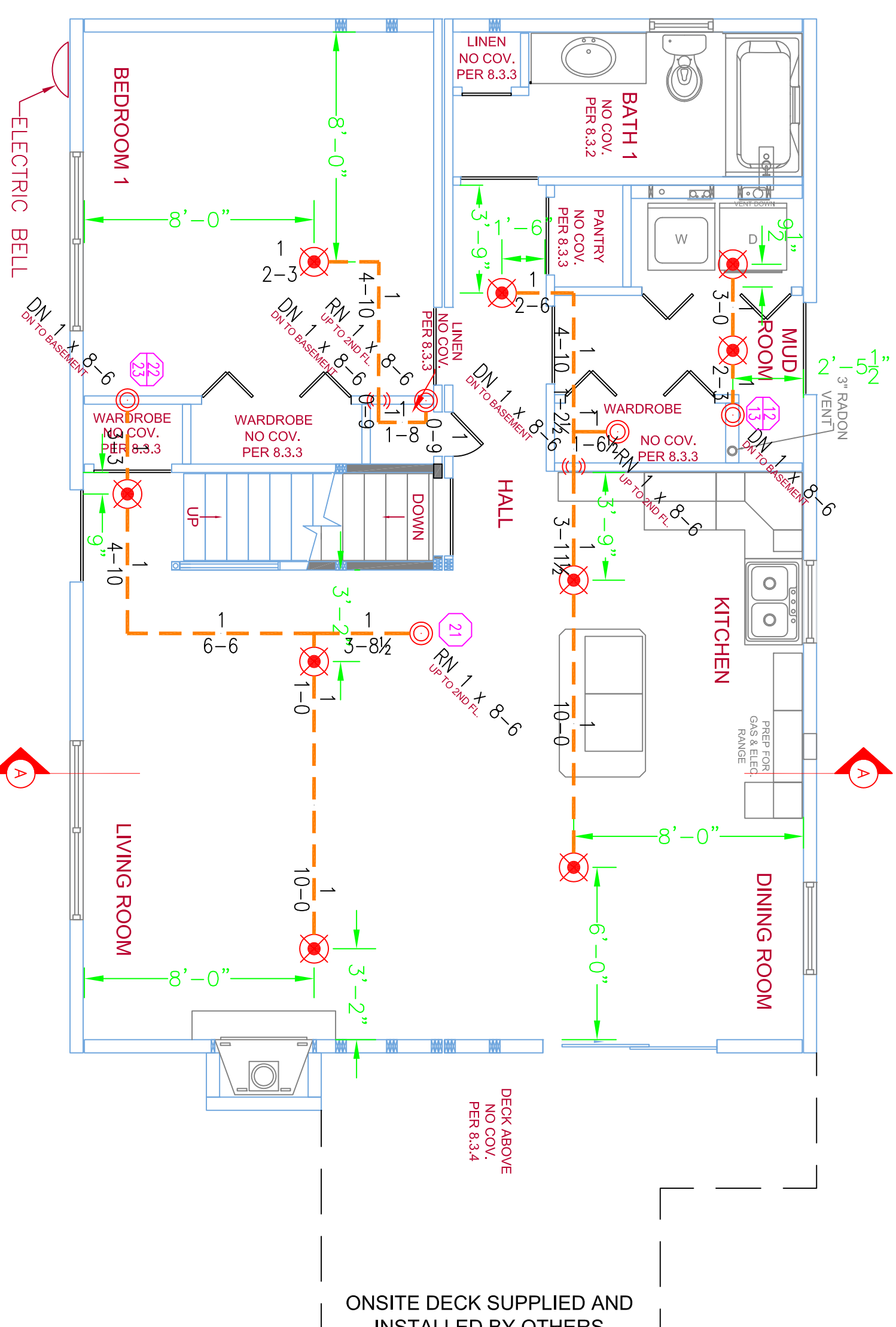
NOTE 1: FOR THESE SIZES, THE SOLVENT CEMENT CAN BE APPLIED AT TEMPERATURES BELOW 32°F. HOWEVER, THE SPRINKLER SYSTEM TEMPERATURE MUST BE RAISED TO A TEMPERATURE OF 32°F OR HIGHER IMMEDIATELY AFTER THE ABOVE RECOMMENDATIONS PRIOR TO PRESSURE TESTING.

CPVC HANGING NOTES

PIPE SIZE	NOMINAL PIPE SIZE	2"	2-1/2"	3"
CPVC HANGING SUPPORT SPACING (FT)	3/4"	6"	6"	6"
HANGING SPACING	1-1/2"	6"	6"	10"

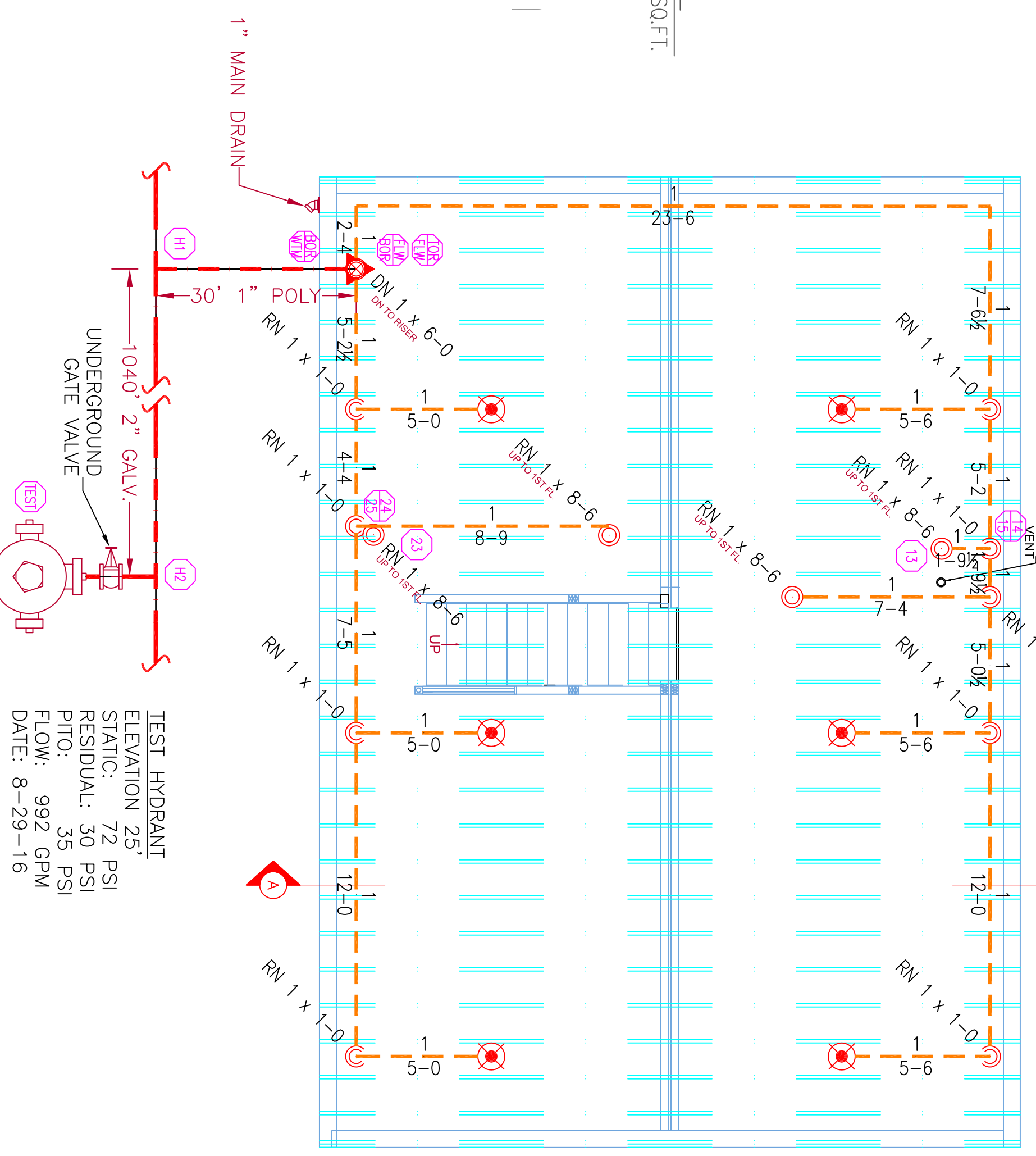
CPVC CURING TIMES

1 FIRST FLOOR
TOTAL PROTECTED AREA: 875 SQ.FT.
SCALE 1/4" = 1'-0"

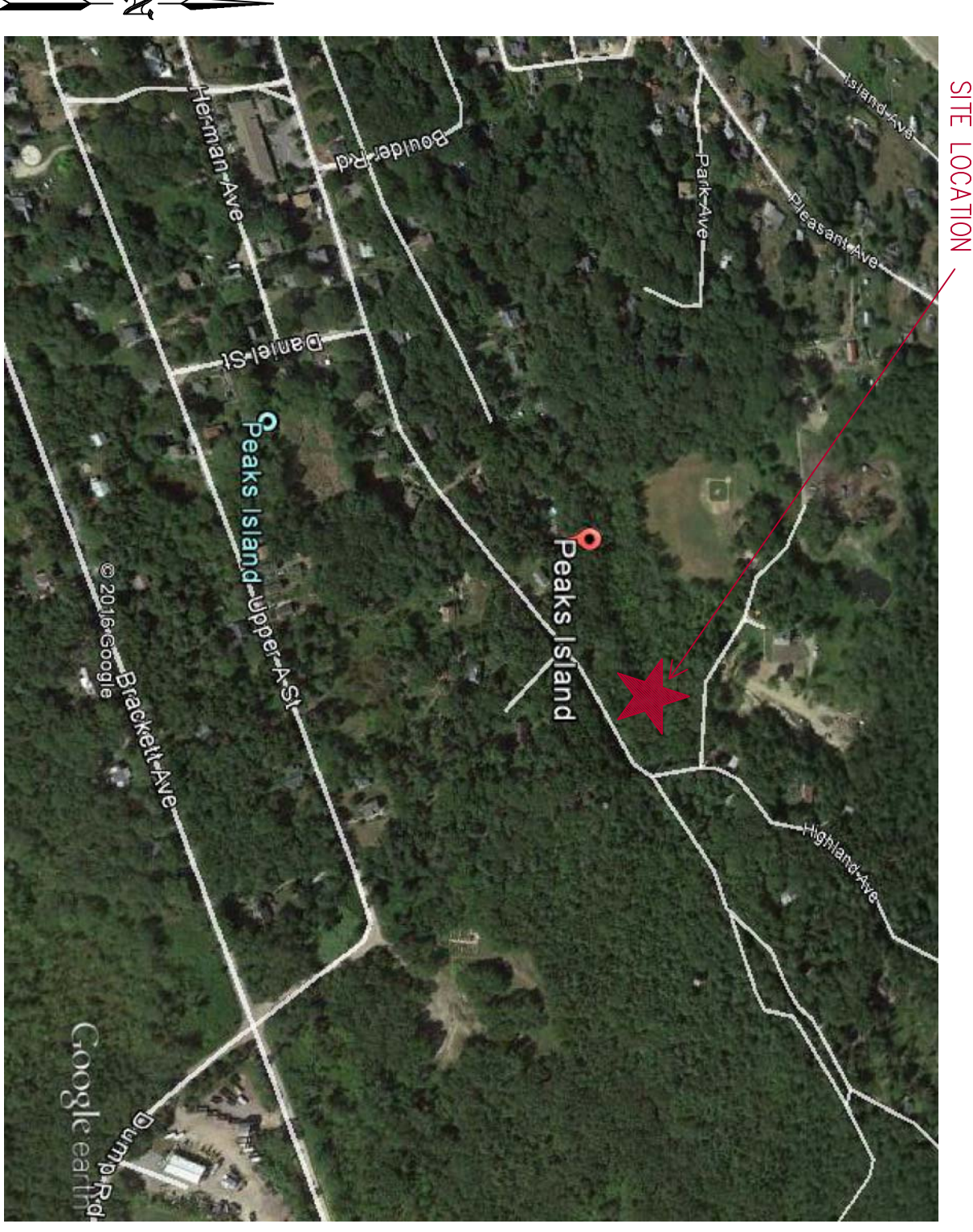


ONSITE DECK SUPPLIED AND INSTALLED BY OTHERS

0 BASEMENT LEVEL
TOTAL PROTECTED AREA: 890 SQ.FT.
SCALE 1/4" = 1'-0"

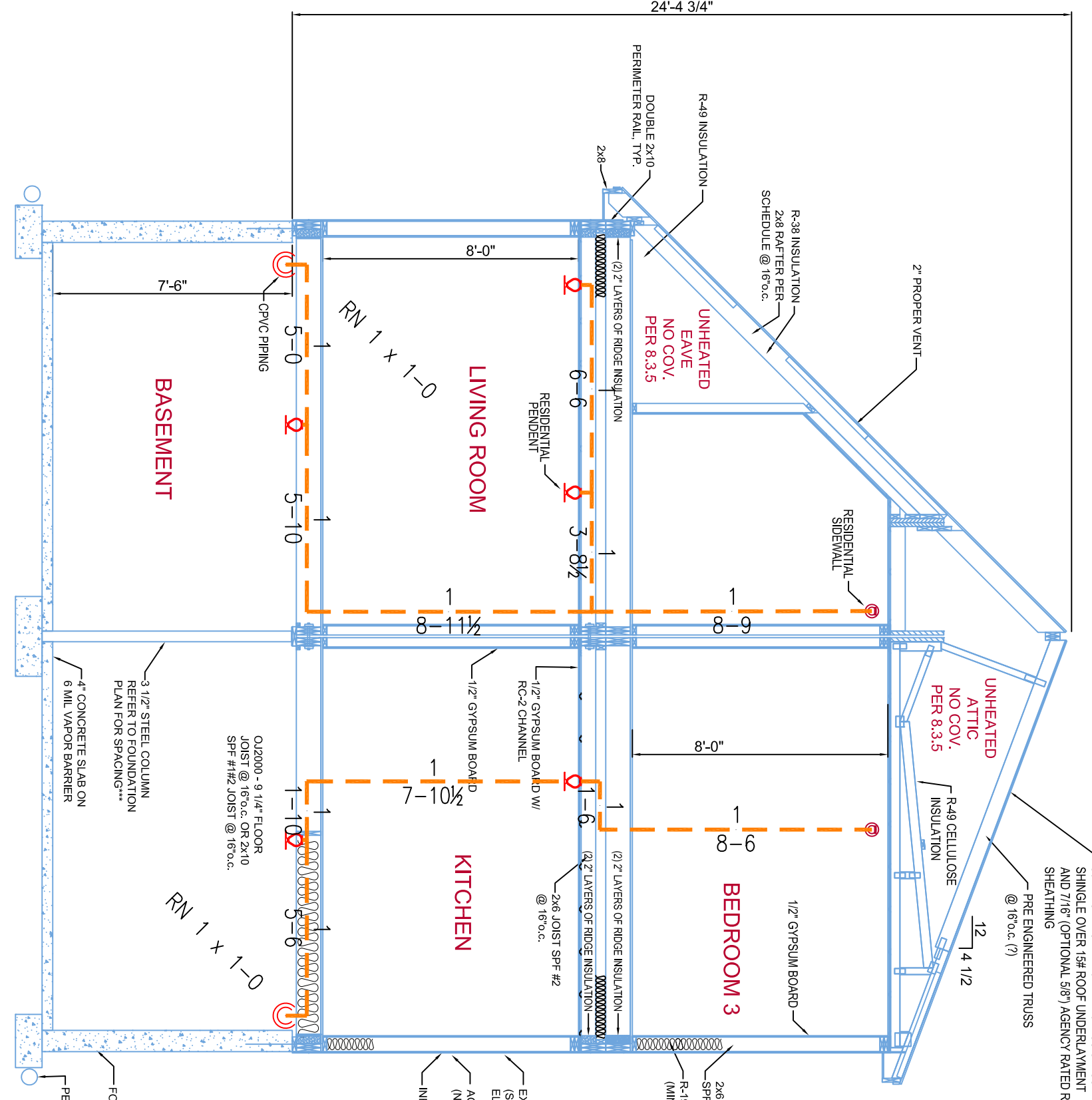


TEST HYDRANT
ELEVATION: 25'
STATIC: 72 PSI
RESIDUAL: 30 PSI
PITTO: 35 PSI
FLOW: 992 GPM
DATE: 8-29-16

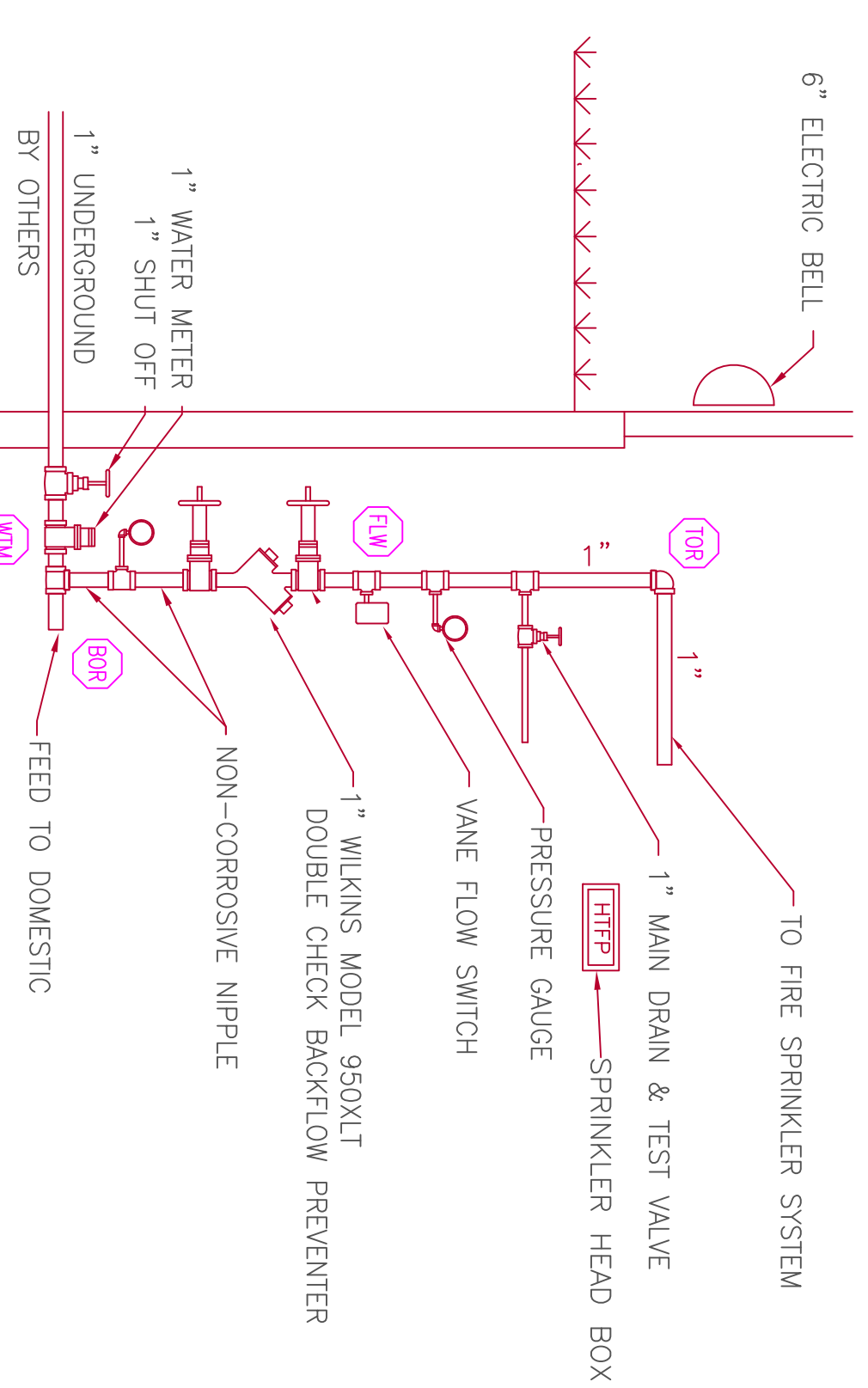
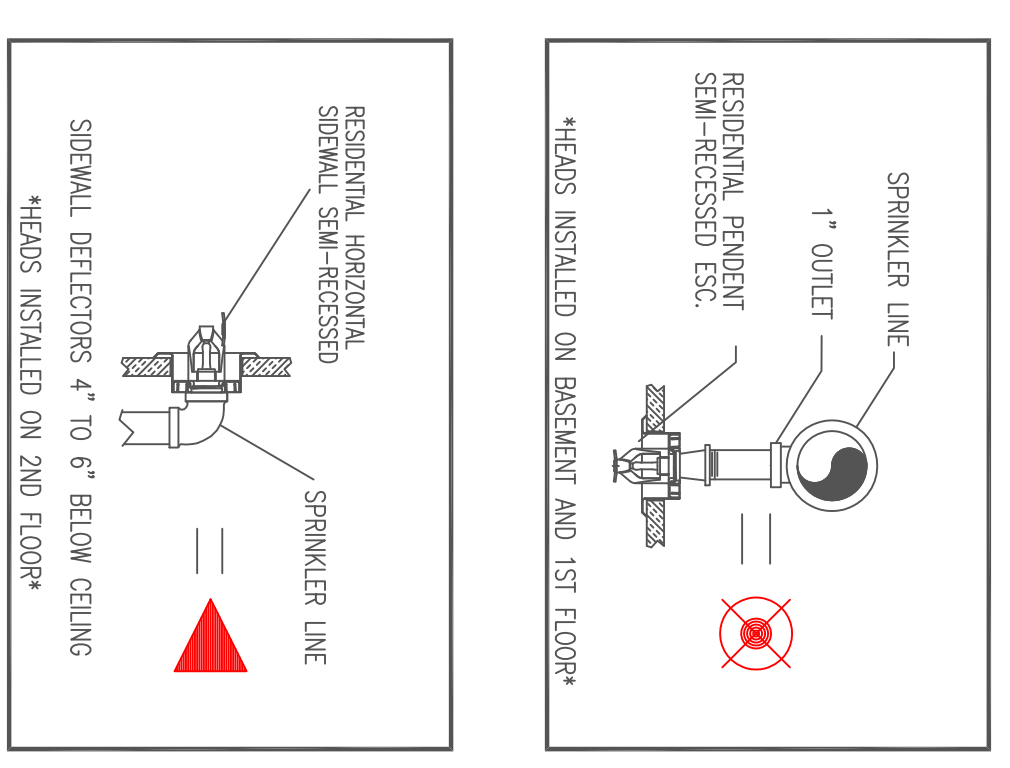


6 PLOT PLAN
SCALE: N.T.S.

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



5 HEAD DETAILS
SCALE: N.T.S.



3 RISER DETAIL
SCALE: N.T.S.

EXCEPTIONS FOR 13D 2016ed. SYSTEM

SPRINKLERS SHALL BE INSTALLED IN ALL AREAS EXCEPT AS NOTED BELOW (13D) 13D.3.1 SPRINKLERS SHALL NOT BE REQUIRED IN CLOSET AREAS THAT DO NOT EXCEED 8 FT. SQ.

(13D) 13D.3.2 SPRINKLERS SHALL NOT BE REQUIRED IN CLOSET AREAS, LINEN CLOSET, AND PANTRY WITHIN THE DWELLING UNITS

1) THE AREA OF THE SPACE DOES NOT EXCEED 8 FT. SQ.

2) THE WALLS AND CEILING ARE SURFACED WITH NON-COMBUSTIBLE OR LIMITED-COMBUSTIBLE MATERIAL.

SPRINKLERS ARE REQUIRED IN CLOSETS WITH WASHER AND DRYER

(13D) 13D.3.3 SPRINKLERS SHALL NOT BE REQUIRED IN GARAGES, OPEN UNLESS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

RETIROUSE EQUIPMENT ROOMS, ELEVATOR MACHINE ROOMS, ONLY FUELING UNIT, FUEL TANK, FUEL EQUIPMENT, IN OPERATING CONDITION, SHALL NOT BE REQUIRED TO BE PROTECTED BY SPRINKLERS FOR DWELLING PURPOSES AND DO NOT COMPLY WITH FIRED EQUIPMENT (13D) 13D.3.4 SPRINKLERS SHALL NOT BE REQUIRED IN GARAGES, UNLESS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

(13D) 13D.3.5 SPRINKLERS SHALL NOT BE REQUIRED IN GARAGES, UNLESS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

PROJECT DESCRIPTION

BUILDING CONST:
THE BUILDING IS 2 STORY S ABOVE GRADE 1 BELOW. CONSTRUCTION IS 2" INSULATED CONCRETE WALLS, FIBERGLASS INSULATION, AND GIP BOARD CONSTRUCTION. CPVC SPRINKLER PIPING AS SHOWN ON PLAN.

BUILDING OCCUPANCY:
THE BUILDING WAS BUILT & DESIGNED FOR RESIDENTIAL DWING USAGE. UNOCCUPIED ATTIC SPACE SPRINKLER SYSTEM DESIGN.

THERE IS A MET SYSTEM FOR THE LIVING UNIT IN ACCORDANCE WITH NFPA 13D 2016ed.

RESIDENTIAL LIVING SPACE PROTECTED WITH RESIDENTIAL PENDENT OR HORIZONTAL SIDEWALL SPRINKLER HEADS FEED FROM CPVC PIPING ABOVE OR IN-WALL. LOCATION: PHOTOGRAPH INSIDE AROUND SPRINKLER PIPING TO PREVENT WATER FILLED PIPE FROM FREEZING. THE SPRINKLER SYSTEM WAS DESIGNED TO MEET APPLICABLE CODE REBORING NFPA 13D 2016ed. SYSTEM.

HIGH TECH FIRE PROTECTION
P.O. BOX 156
MILFORD, ME 04258-0156
TEL: (207) 998-2551 FAX: (207) 998-4487

NAME LICENSE # 102

GENERAL CONTRACTOR ON RECORD:
KBS BUILDERS, INC. - JOSH LABONTE
207-739-2400
141 MARK HOOKS - NICK SHERMAN
207-229-1029

SPECIAL APPLICATIONS:

DESIGN & SYSTEM NOTES:

OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES. DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER ACTUAL FIELD CONDITIONS TO ACCOMMODATE OWNER TO PROTECT ASSOCIATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES. OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER OF NEPA AS "INSPECTION TESTING, A MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS" AND/ OR ON DAY OF FIRE ACTION SYSTEM.

OWNER IS RESPONSIBLE TO MAINTAIN THE SPRINKLER OF NEPA AS "INSPECTION TESTING, A MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS" AND/ OR ON DAY OF FIRE ACTION SYSTEM.

ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR.

ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.

HEAD LEGEND:

RELIABLE*
MODEL FRCS 49
K=4.755
15/7.55
SEM-RECESSED ESC.
INSTALLED ON 2ND FLOOR*
(1) 10' SPACING MAX
(1) 3' @ 7' (5)

RELIABLE*
MODEL FRCS 44
K=4.45
5/7.55
SEM-RECESSED ESC.
INSTALLED ON THIS SHEET: 20
NO. DATE: DESCRIPTION:

DATE: AUGUST 3, 2016
DESIGNER: ED DOULIN (RMS 515)
CHECKED BY: AL FOSS (RMS 54)

LOCATION:
76 CENTRAL AVE. EXT.
PEAKS ISLAND, ME

DRAWING TITLE:
PURTELL HOUSE
PEAKS ISLAND

FIRE PROTECTION PLAN
(NFPA 13D 2016ed.)

DRAWING NO.: FP-01