

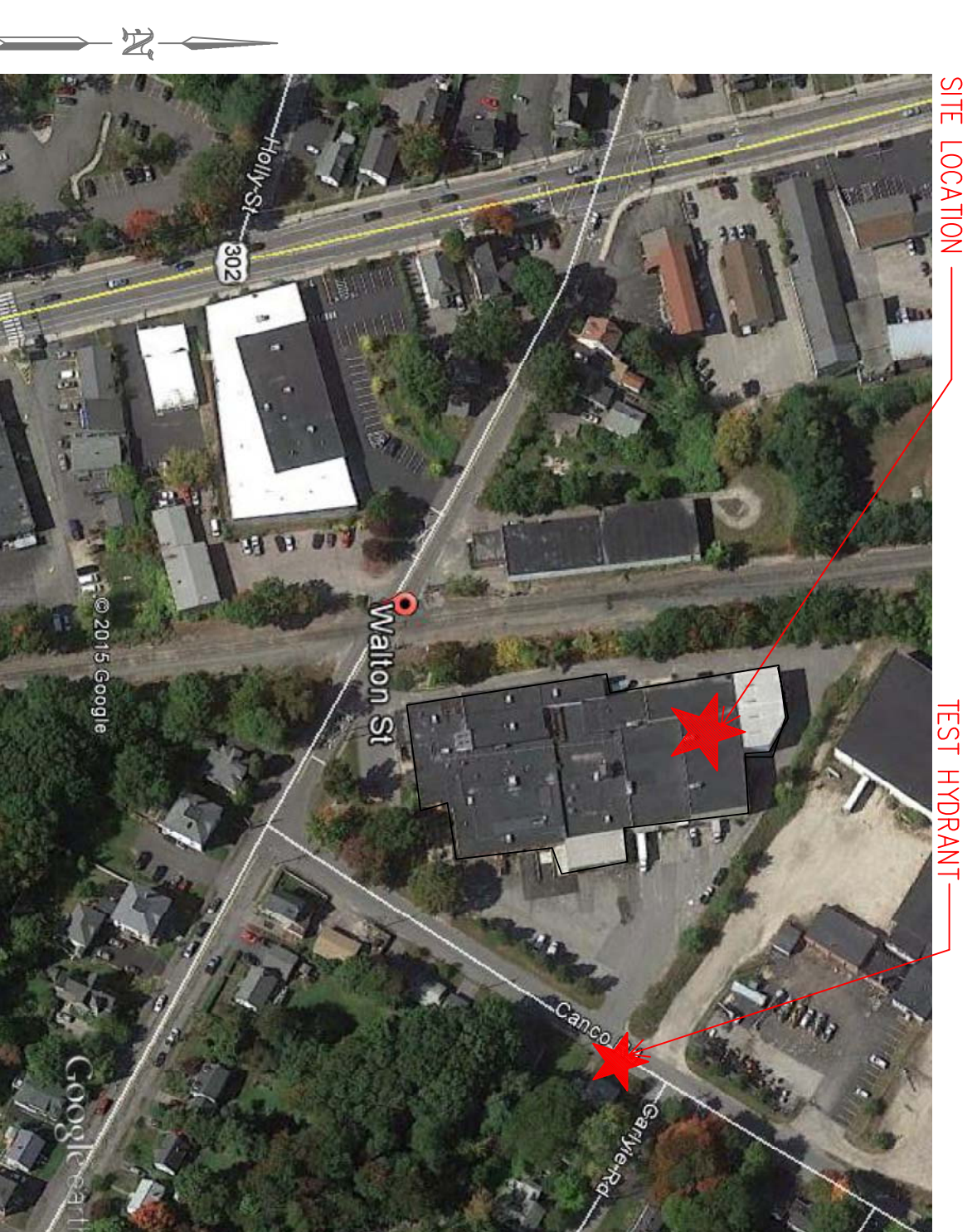
PROJECT DESCRIPTION

BUILDING CONSTR:
 THE BUILDING IS 1 LEVEL CONCRETE AND STEEL TYPE 2 CONSTRUCTION STEEL BEAMS, STEEL BRACED I, STEEL COLUMNS AND CONCRETE BLOCK WALLS. EXISTING WAREHOUSE WITH STEEL BRACED I GIRDS AND ALL STEEL SPRINKLER PIPING AND SHOWN ON PLAN.

BUILDING OCCUPANCY:
 THE BUILDING IS AN EXISTING WAREHOUSE USED FOR THE STORAGE OF Tires ARE STORED ON OPEN SHELVED RACKS ON THEIR SIDES.

SPRINKLER SYSTEM DESIGN:
 THIS SECTION OF THE BUILDING WILL GET A NEW WET SPRINKLER SYSTEM PER NFPA 13 CHAPTER 18.

PER TABLE 18.4(10)
 PILING METHOD RUBBER THE STORAGE ON SIDE IN FIXED RACKS WITHOUT SOLID SHELVES. PILE HEIGHT UP TO 25 FT MAX. BUILDING HEIGHT UP TO 30 FT MAX. WITH K 25.2 ESFR PENDENT SPRINKLER HEADS SPACED 100 SQFT WITH A DESIGN AREA OF THE MOST DEMANDING 12 HEADS INCLUDING A 250 HOSE ALLOWANCE. SPRINKLER DEFLECTORS 6" TO 18" BELOW DECKING. STORAGE HEIGHT OF TIRES NOT TO EXCEED 25 IN HEIGHT AND ALSO DEFLECTOR CLEARANCE FROM TOP OF STORAGE TO SPRINKLER HEAD DEFLECTOR.



HIGH TECH FIRE PROTECTION

P.O. BOX 156
 MANOT, ME 04258-0156
 TEL (207) 998-2531 FAX (207) 998-4487

NAME LICENSE # 102
 GENERAL CONTRACTOR OR RECORD-DC MANAGEMENT
 P.O. COMMERCIAL STREET SUITE 414
 MILF LANE 207-522-3055

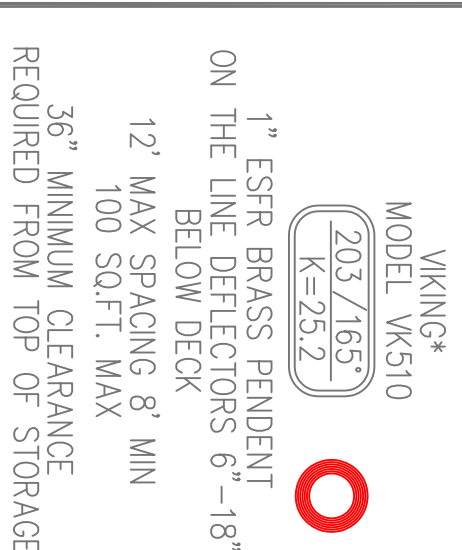
SPECIAL APPLICATIONS:

- NEW PIPE RISER UP OR DOWN
- PROPOSED PIPE
- SYSTEM RISER
- PIPE PITCH & MAINS 3/4" LINES
- SWAY BRACING
- HYDRAULIC CALC. POINT

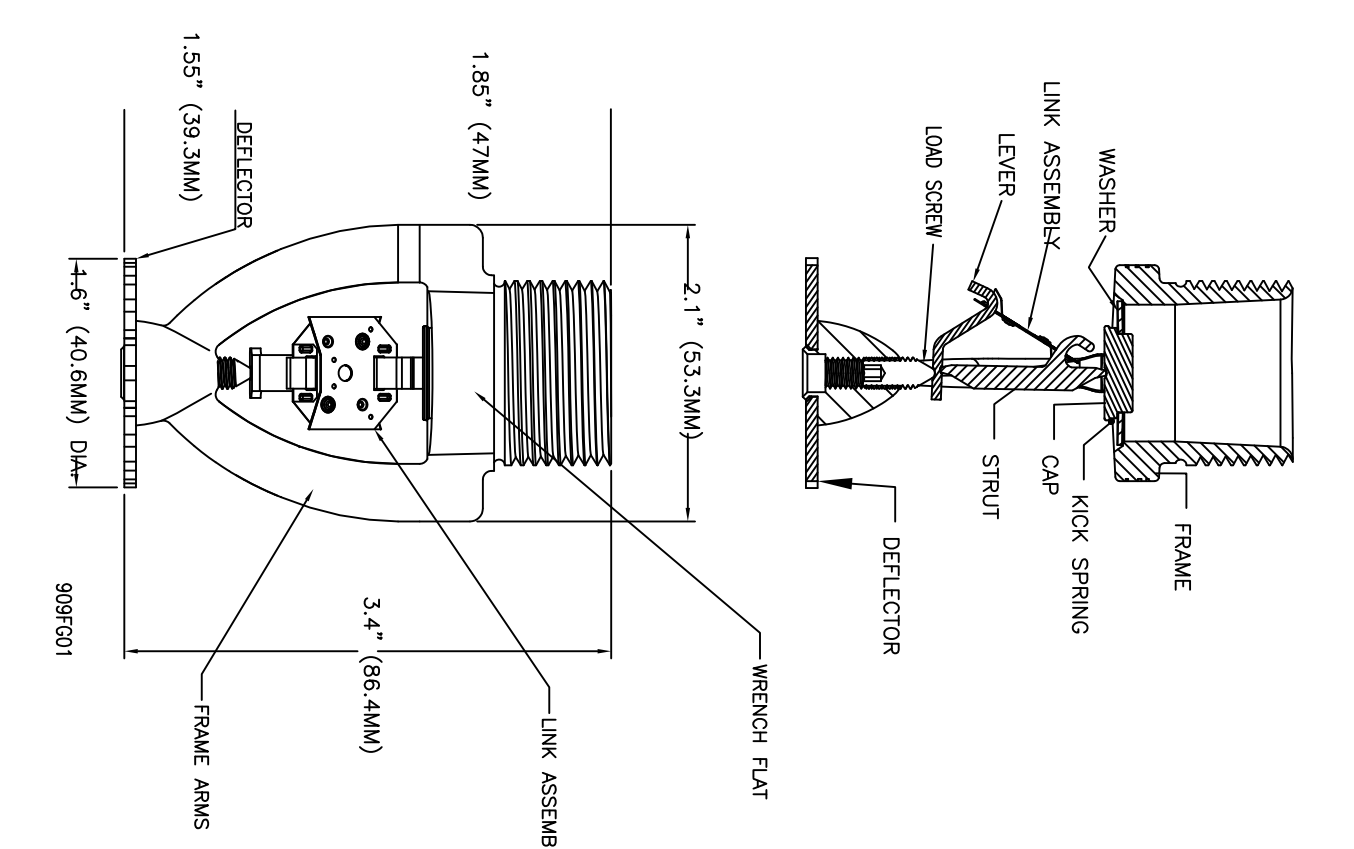
DESIGN & SYSTEM NOTES:

WITH APPROVED DRAWINGS ALL WORK SHALL BE SCHEDULED TO ALL PRINCIPALS 1 1/2" & SMALLER TO BE SCHEDULED 40 WITH APPROPRIATE FINISHES AND USE OF SPRINKLER PIPING SHALL BE IN ACCORDANCE WITH NFPA 13. POSITION, LOCATION, SPACING AND USE OF HANGERS SHALL BE IN ACCORDANCE WITH NFPA 13. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 13. (SEE PLAN FOR LOCATION OF RIBS AND SYSTEM HANGERS). HIGH TECH FIRE PROTECTION IS TO BEGIN WORK AT 6" MAIN 1" FIF NEAR OF BUILDING. DIMENSIONS AND LOCATIONS GIVEN FOR SPRINKLER ACTUAL FIELD CONDITIONS. OWNERS TO PROVIDE ADEQUATE HEAT THROUGHOUT BUILDING TO PROTECT WATER FILLED PIPING AND EQUIPMENT FROM FREEZING TEMPERATURES. ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES TO COORDINATE THEIR WORK WITH SPRINKLER CONTRACTOR. ALL ELECTRICAL WORK IS TO BE DONE BY OTHERS.

HEAD LEGEND:



1.5 PLOT PLAN SCALE: N.T.S.

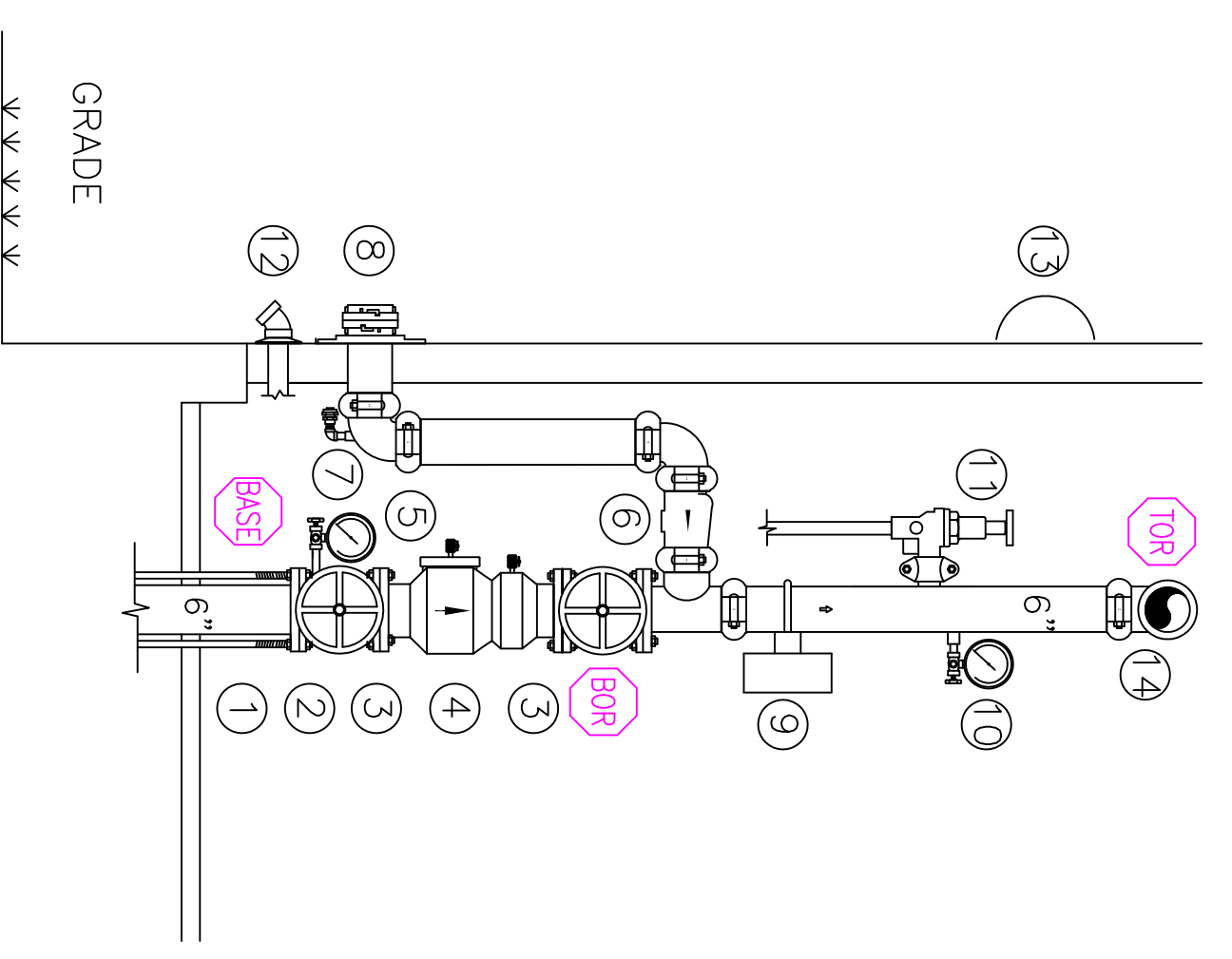


PILE METHOD	MAX PILE	MAX BLD. K-FACTOR	# OF SPRINKLERS	MIN PSI DURATION	HOSE
RUBBER THE STORAGE WITHOUT SOLID SHELVES	UP TO 25'	30	12 TOTAL (4) ON EACH LINE	15	1 HOUR 250 GPM

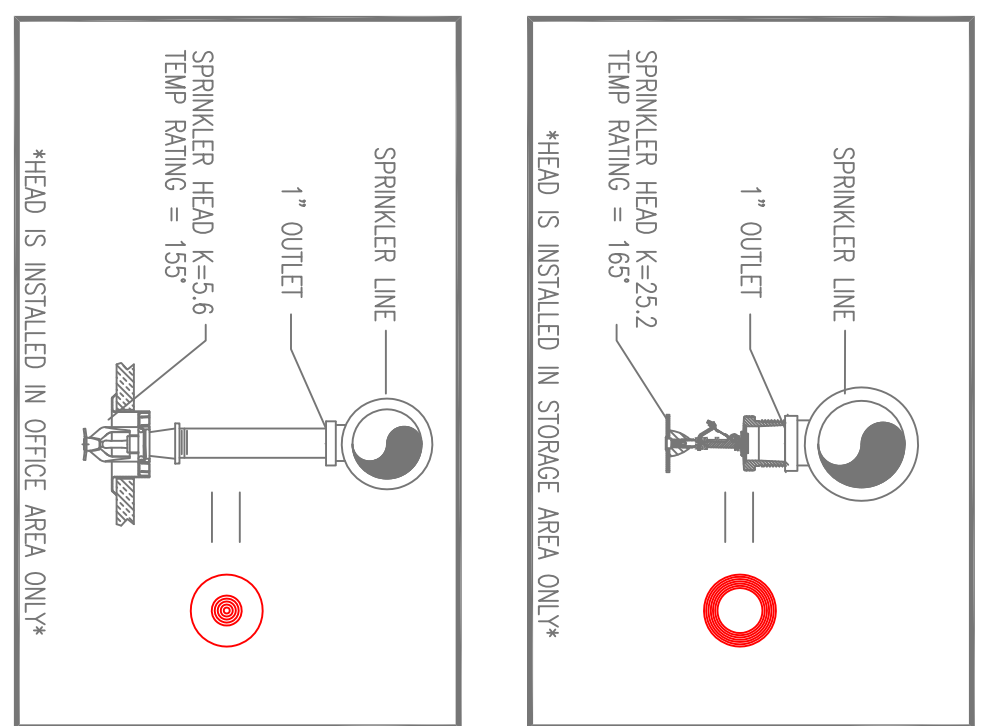
SPRINKLER RISER COMPONENTS

1. 6" DIOL UNDERGROUND (EXISTING)
2. 6" UNIFLANGE RODED TO SLAB (EXISTING)
3. 6" GASKY GATE VALVE WITH ROTTER OSTSU-1 TAMPER SWITCH
4. SUPPLY SIDE PRESSURE GAUGE
5. 4" SWING CHECK VALVE FOR F.D.C. FEED 48" MINIMUM FROM EXTERIOR
6. 1/2" AUTOMATIC BALL DRIP
7. 4" STORZ F.D.C. (EXISTING SEE PLAN FOR LOCATION)
8. SOTER VAPOR-FREON SWITCH
9. 1/2" TEST N. DRAIN W/ RELIEF VALVE PIPED TO EXTERIOR
10. 1/2" TEST N. DRAIN W/ RELIEF VALVE PIPED TO EXTERIOR (EXISTING)
11. 2" TEST N. DRAIN W/ RELIEF VALVE PIPED TO EXTERIOR (EXISTING)
12. 6" ELECTRIC BELL FOR SPRINKLER SYSTEM ON EXTERIOR OF BUILDING
13. 6" SYSTEM RISER TO BUILDING
14. 6" SYSTEM RISER TO BUILDING

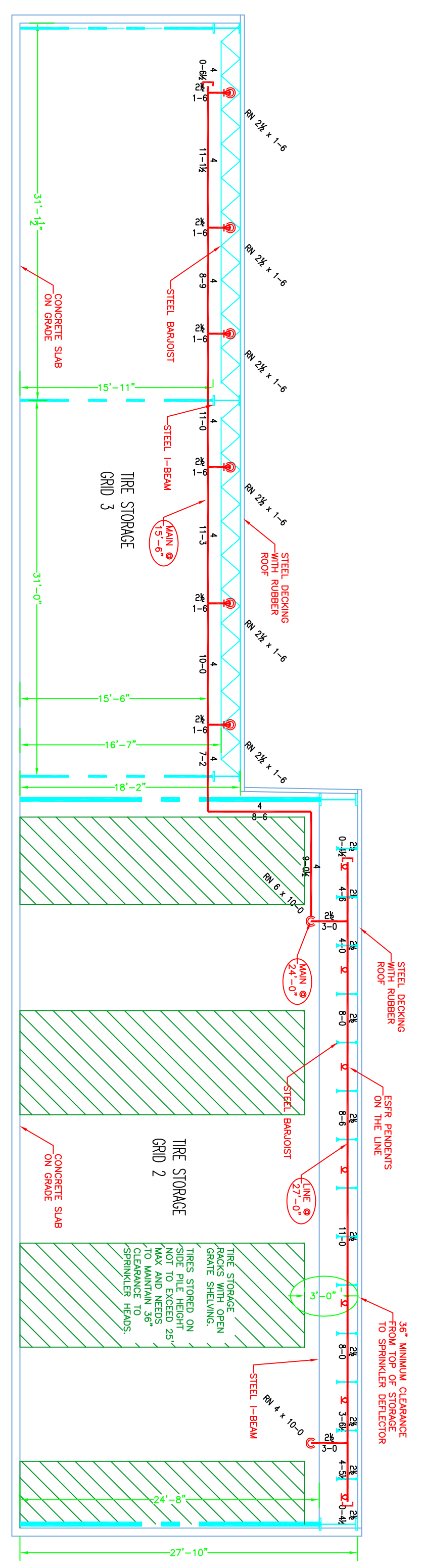
1.2 RISER DETAIL SCALE: N.T.S.



1.4 SPRINKLER HEAD DETAIL SCALE: N.T.S.



1.1 SECTION 'A' SCALE 1/8" = 1'-0"



HATCHED AREAS HAVE EXISTING COVERAGE

EXISTING TENANT SPACE (N.L.C.)

EXISTING TENANT SPACE (N.L.C.)

HATCHED AREAS HAVE EXISTING COVERAGE

- DESIGN AREA NUMBER 1***

HYDRAULIC DESIGN CRITERIA

LOCATION: LOADING AREA (OFFICE 1)

AREA OF PROTECTION: 100-150 SF

DESIGN PRESSURE: 100 PSI

DESIGN FLOW: 100 GPM

DESIGN TEMPERATURE: 100°F

DESIGN WIND VELOCITY: 100 MPH

DESIGN SNOW LOAD: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT

DESIGN WIND: 100 MPH

DESIGN SNOW: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT

DESIGN WIND: 100 MPH

DESIGN SNOW: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT

DESIGN WIND: 100 MPH

DESIGN SNOW: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT
- DESIGN AREA NUMBER 2***

HYDRAULIC DESIGN CRITERIA

LOCATION: LOADING AREA (OFFICE 2)

AREA OF PROTECTION: 100-150 SF

DESIGN PRESSURE: 100 PSI

DESIGN FLOW: 100 GPM

DESIGN TEMPERATURE: 100°F

DESIGN WIND VELOCITY: 100 MPH

DESIGN SNOW LOAD: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT

DESIGN WIND: 100 MPH

DESIGN SNOW: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT
- DESIGN AREA NUMBER 3***

HYDRAULIC DESIGN CRITERIA

LOCATION: LOADING AREA (OFFICE 3)

AREA OF PROTECTION: 100-150 SF

DESIGN PRESSURE: 100 PSI

DESIGN FLOW: 100 GPM

DESIGN TEMPERATURE: 100°F

DESIGN WIND VELOCITY: 100 MPH

DESIGN SNOW LOAD: 100 LB/SQ FT

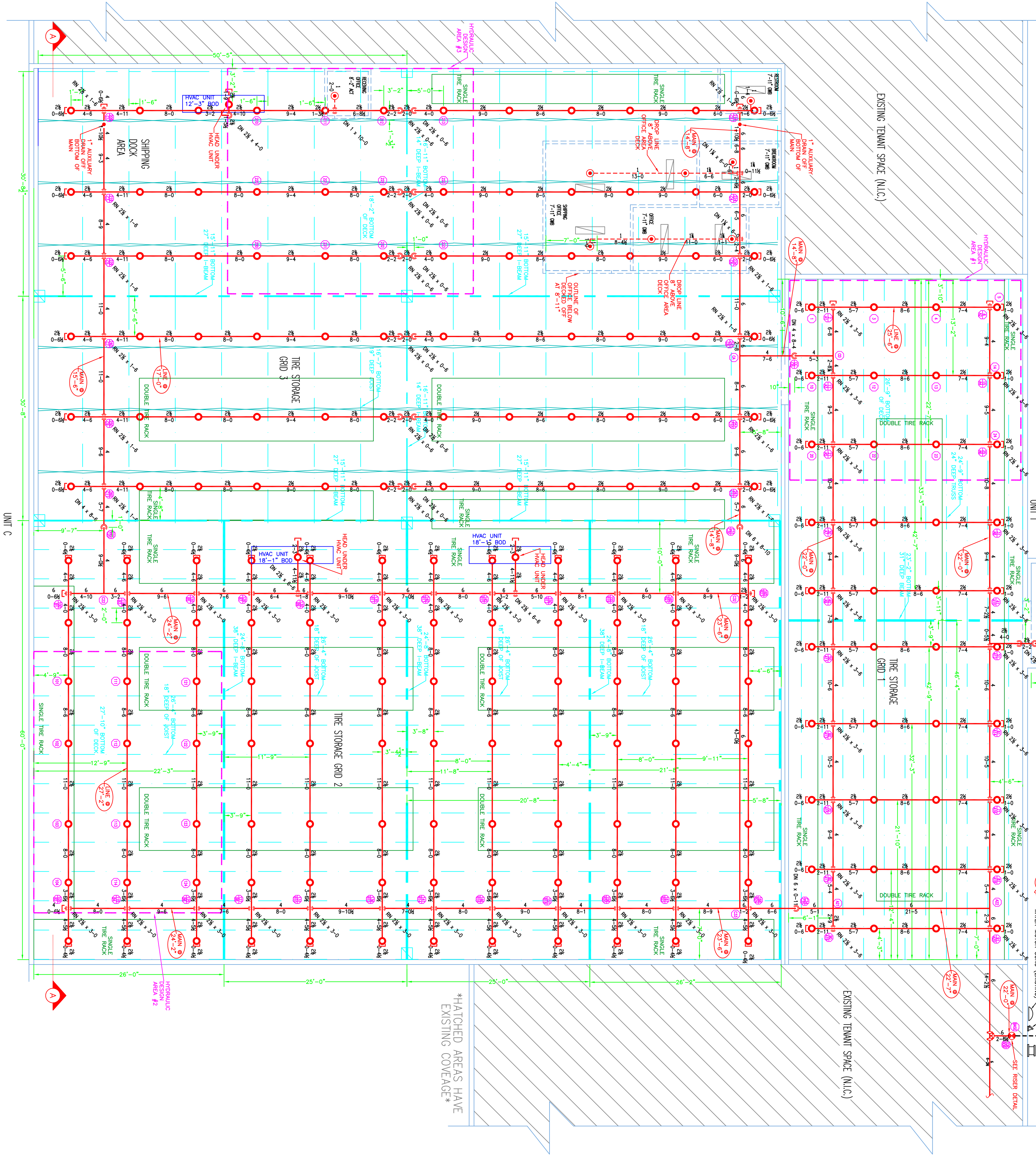
DESIGN SEISMIC: 100 LB/SQ FT

DESIGN WIND: 100 MPH

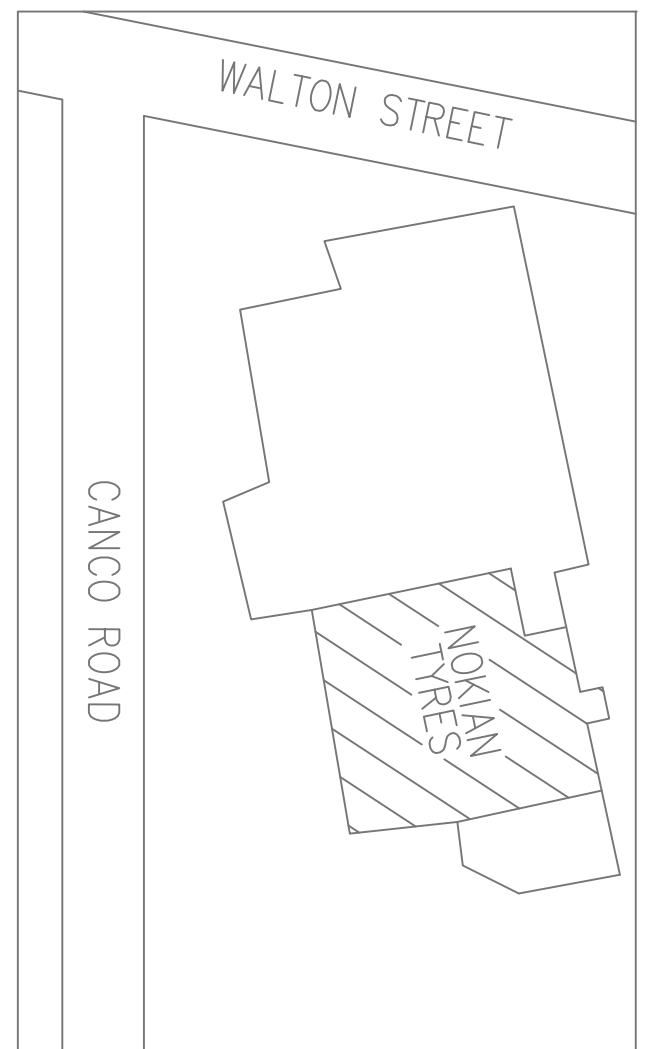
DESIGN SNOW: 100 LB/SQ FT

DESIGN SEISMIC: 100 LB/SQ FT

1 GROUND FLOOR (WET) SCALE 1/8" = 1'-0"



1.3 KEY PLAN SCALE: N.T.S.



DATE: SEPTEMBER 13, 2015
 DESIGNER: ED DOULIN (RNS# 515)
 CHECKED BY: AL FOSS
 LOCATION: 135 WALTON STREET, PORTLAND, ME
 DRAWING TITLE: NOKIAN TYRES UNIT C & I TENANT FIRE PROTECTION PLAN (NFPA 13 2010ed.)
 DRAWING NO.: FP-01