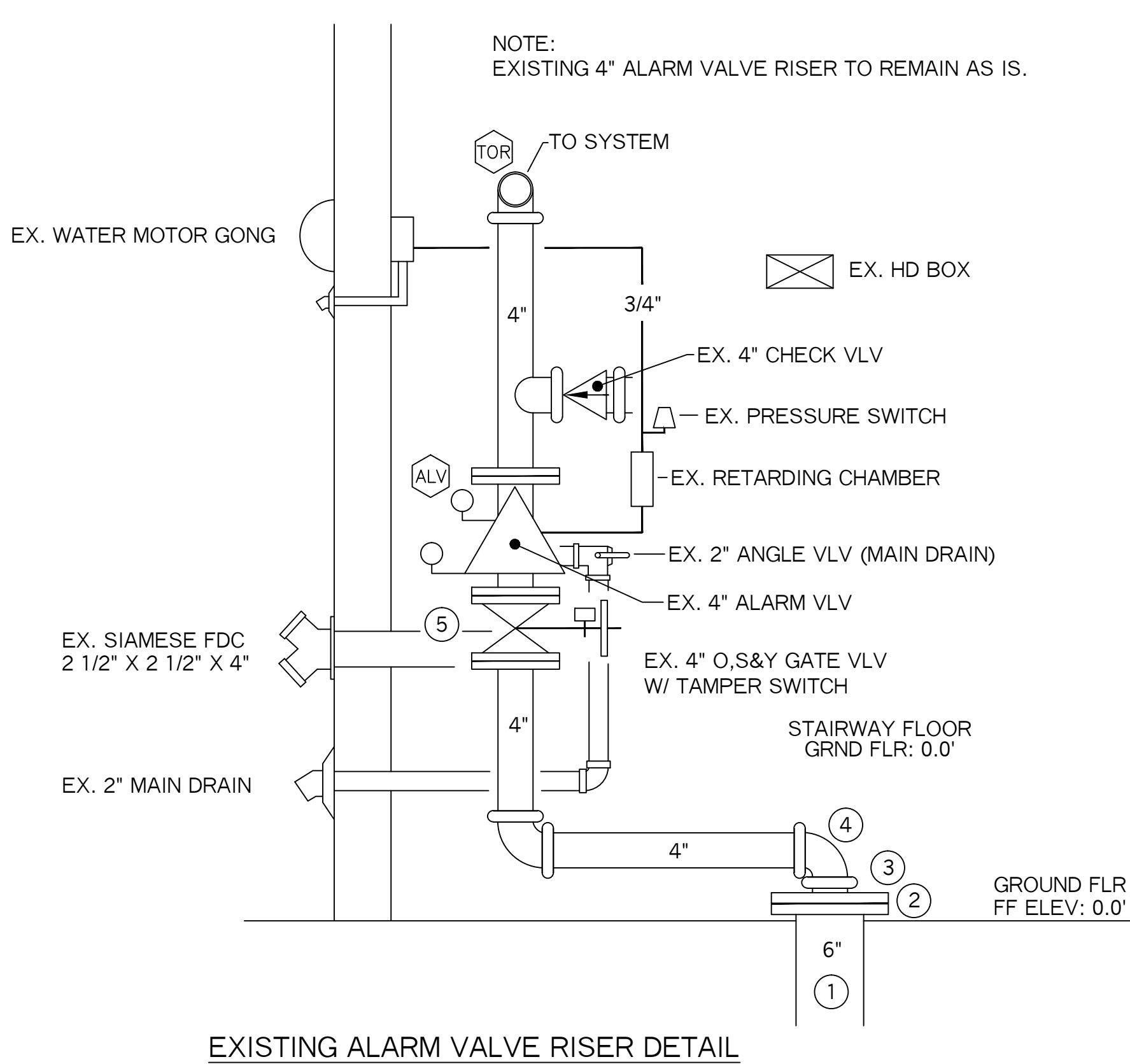


THIRD LEVEL LOFT PLAN
SCALE: 1/4" = 1'-0"
FF ELEV: 34.34'

SPRINKLER HEAD INFORMATION, THIS FLOOR ONLY

QTY	SIZE	ORIFICE	K-FACTOR	DESCRIPTION	MODEL	TEMP	ESCUTCHEON	SYMBOL
6	1/2"	7/16"	4.9	VIKING WHITE RES. UPRIGHT	VK467	155	NONE	○
11	1/2"	7/16"	4.0	VIKING WHITE RES. SIDEWALL	VK486	155	NONE	◁
1	1/2"	7/16"	4.9	VIKING WHITE RES. PENDENT	VK468	155	RECESSED	●

TOTAL HEADS= 18



EXISTING ALARM VALVE RISER DETAIL
SCALE: N.T.S.

HYDRAULIC CALCULATION INFORMATION

LOCATION: 3RD FLR MEZZ, UNIT 3C (AREA #1)

BASIS OF DESIGN: NFPA 13, 2016 EDITION
DENSITY .1
AREA OF COVERAGE (4) SPRINKLERS (K=4.9)

OCCUPANCY: RESIDENTIAL

SPRINKLERS: TOTAL 4 THRD 1/2" ORIFICE 7/16" TEMP 155

SYSTEM DEMAND AT BASE OF RISER (BOR):
PRESSURE 95.87 PSI FLOW 81.39 GPM HOSE 0

SAFETY MARGIN: 6.66 PSI

HYDRAULIC CALCULATION INFORMATION

LOCATION: 3RD FLR MEZZ, UNIT 3A (AREA #2)

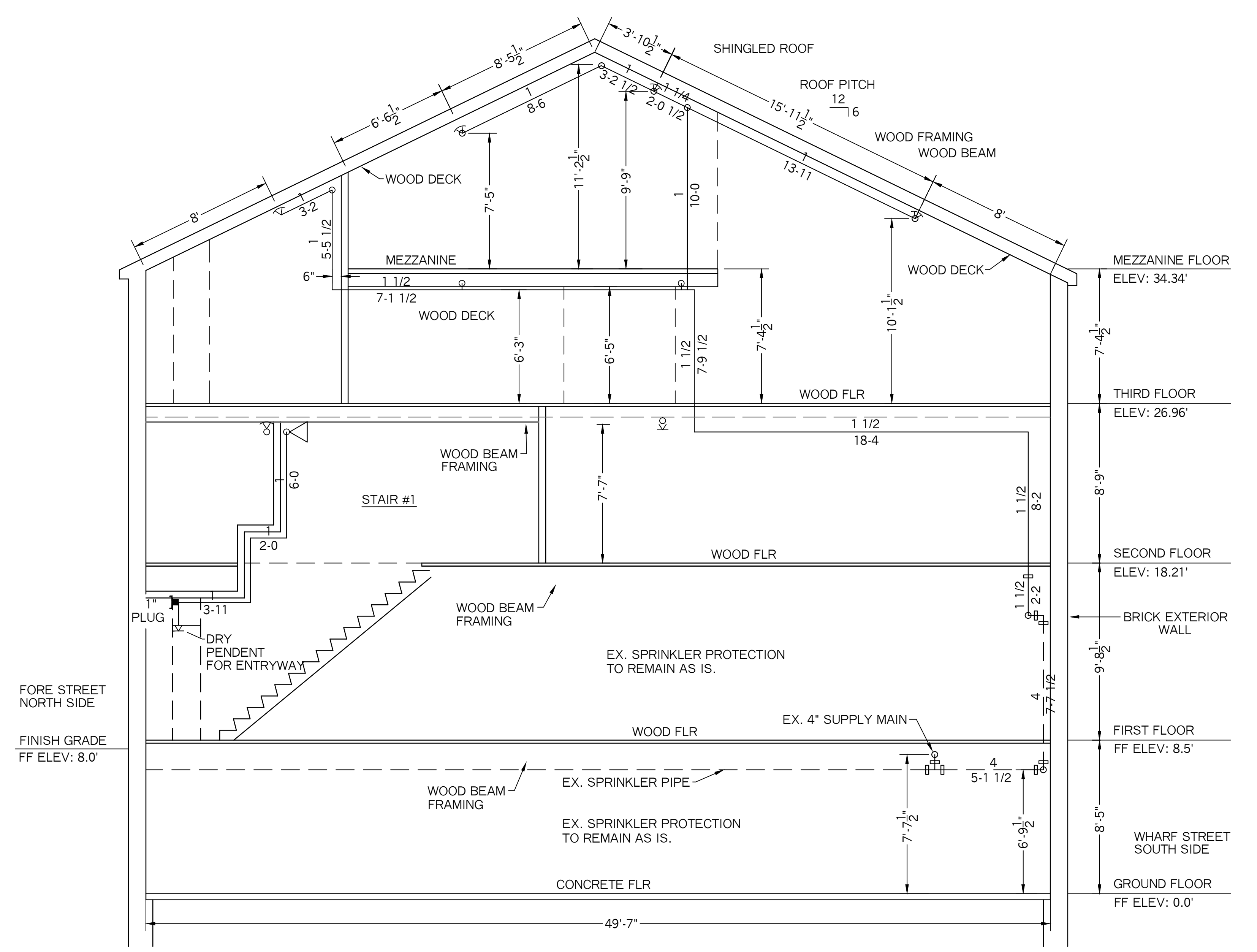
BASIS OF DESIGN: NFPA 13, 2016 EDITION
DENSITY .1
AREA OF COVERAGE (4) SPRINKLERS (K=4.0)

OCCUPANCY: RESIDENTIAL

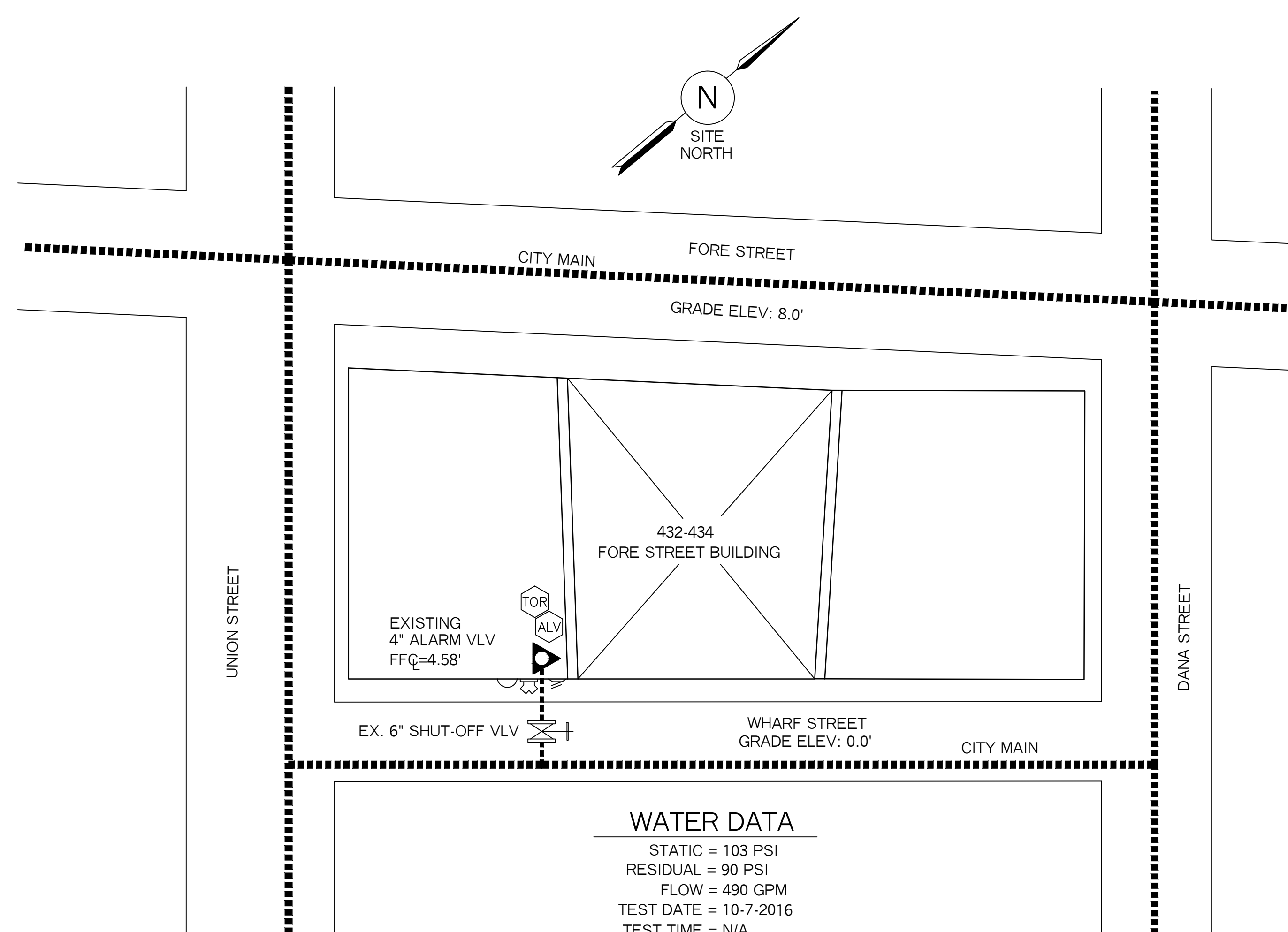
SPRINKLERS: TOTAL 4 THRD 1/2" ORIFICE 7/16" TEMP 155

SYSTEM DEMAND AT BASE OF RISER (BOR):
PRESSURE 91.24 PSI FLOW 71.22 GPM HOSE 0

SAFETY MARGIN: 11.39 PSI



BUILDING SECTION -AA-
SCALE: 1/4" = 1'-0"



WATER DATA

STATIC = 103 PSI
RESIDUAL = 90 PSI
FLOW = 490 GPM
TEST DATE = 10-7-2016
TEST TIME = N/A
LOCATION = 4" ALARM VLV RISER
SOURCE = INSPECTION TAG, MAIN DRAIN TEST

PLOT / SITE PLAN
SCALE: N.T.S.

SYSTEM SYMBOL LEGEND:

- ▲ = WET SHOT-GUN RISER
- = GROOVED COUPLING
- ⊕ = HYDRAULIC CALCULATION POINT
- (N.I.C.) = NOT IN CONTRACT
- = EXISTING SPRINKLER PIPE
- = NEW SPRINKLER PIPE

PROJECT NAME: 432-434 FORE STREET BUILDING 432-434 FORE STREET BUILDING PORTLAND, ME. 04101	FIRE SPRINKLER PLANS AND DETAILS REQUIRED APPROVALS: STATE FIRE MARSHALS OFFICE LOCAL FIRE DEPARTMENT OWNER	RESIDENTIAL FIRE PROTECTION, LLC DATE: 2/7/2017
CONTRACT WITH: THE CONGRESS GROUP 78 LINCOLN STREET PORTLAND, ME 04103 PH: (207) 939-5432	DRAWN BY: TPP NCET # 100856 CERTIFICATION # 100856 CHECKED BY: SJC NCET # 100856 CERTIFICATION # 78065	SCALE: 1/4" = 1'-0" CONTRACT NO. C17002 DRAWING NO. 2 OF 2
RESIDENTIAL FIRE PROTECTION 64 DAGGETT HILL ROAD, GREENE, MAINE 04236 PH: (207) 946-3473 FAX: (207) 946-3474		CONTRACTOR LICENSE #511 CONTRACTOR RMS #80