

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED SOIL.
2. KEEP CONCRETE CLEAR OF JOINTS AND ACCESSORIES.
3. IF NOT SHOWN ON PLANS, REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED BELOW, ADJUSTED IF NECESSARY, TO CONFORM TO THE TEST PRESSURES AND ALLOWABLE SOIL BEARING STRESSES STATED IN THE SPECIAL SPECIFICATIONS.
4. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.
5. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS.

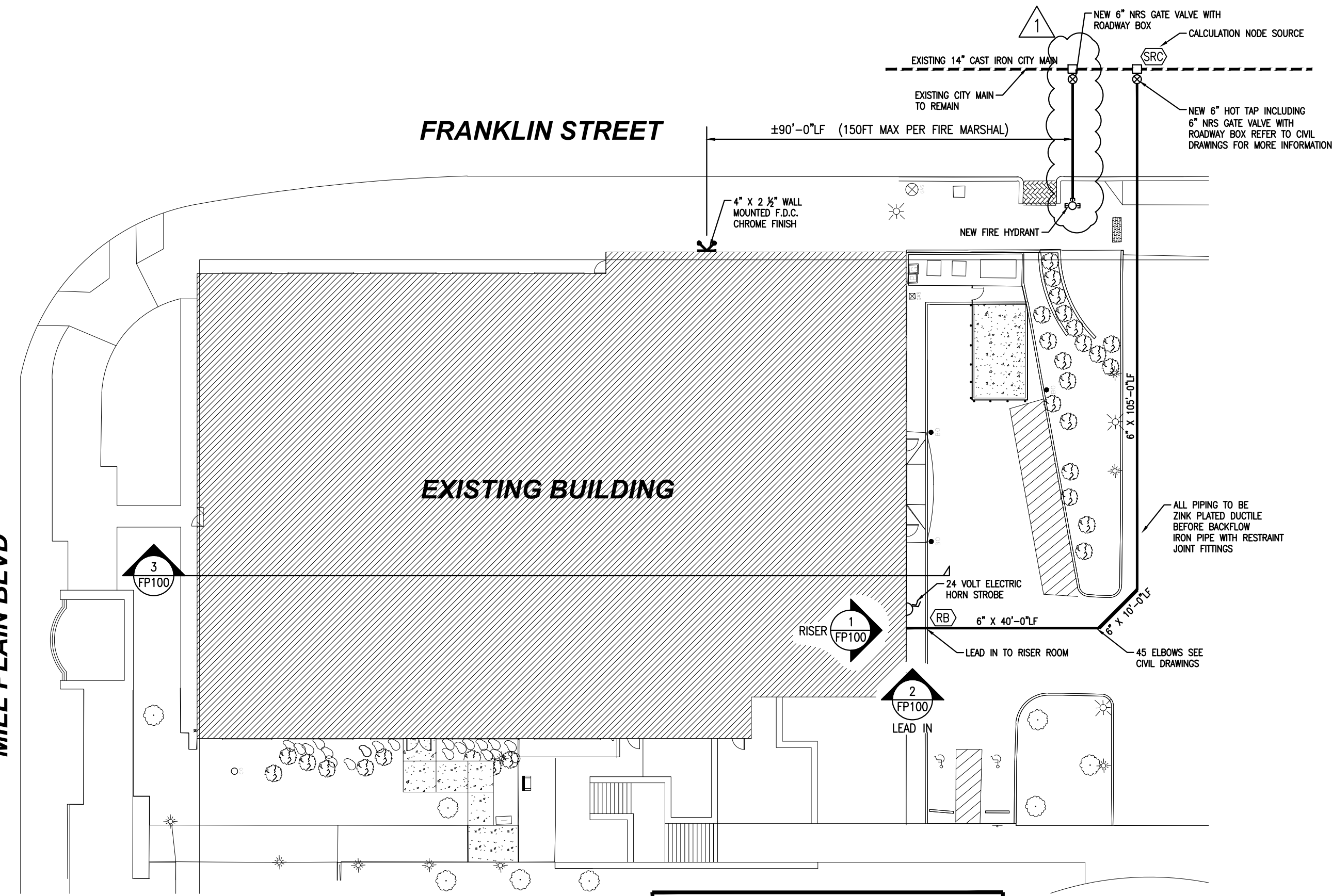
BEARING AREA OF THRUST BLOCKS IN SQUARE FEET							
FITTING SIZE	TEE, WYE, PLUG OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN A ₁ A ₂		45° BEND	22-1/2° BEND	11-1/4° BEND
4	1.0	1.4	1.9	1.4	1.0	1.0	1.0
6	2.1	3.0	4.3	3.0	1.6	1.0	1.0
8	3.8	5.3	7.6	5.4	2.9	1.5	1.0
10	5.9	8.4	11.8	8.4	4.6	2.4	1.2

ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 p.s.i. AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/150) X (2000/SOIL BEARING STRESS) X (TABLE VALUE)

THRUST BLOCKING DETAILS

SYMBOLS LEGEND

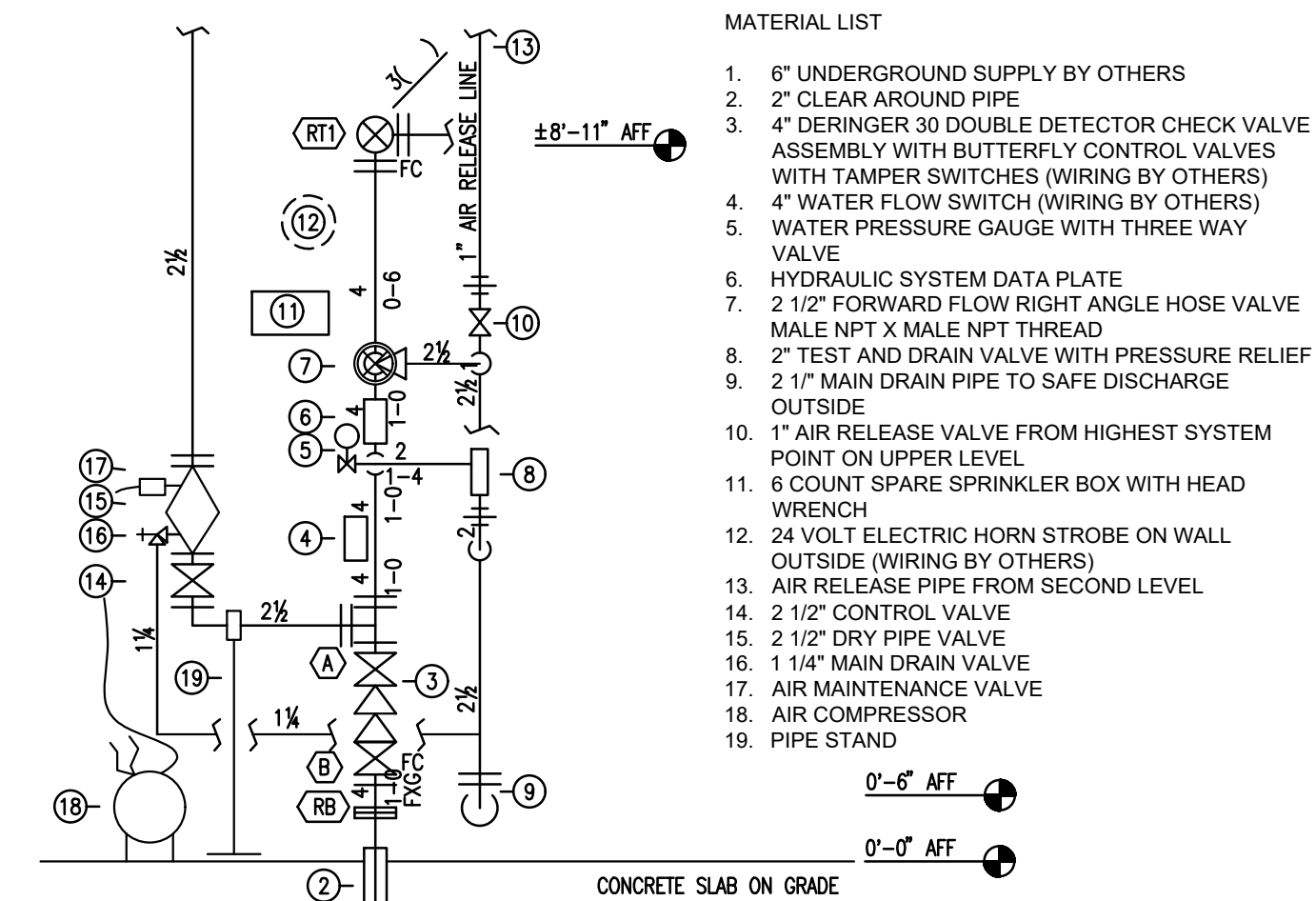
- | | | | |
|-------------|--------------------------------|----------|---|
| --- WAT --- | - EXISTING WATER SYSTEM PIPING | ⊘ | - TEE DOWN SYMBOL |
| --- WAT --- | - NEW SYSTEM PIPING | ⊘ | - ELBOW DOWN SYMBOL |
| --- SAN --- | - SANITARY SEWER LINE | ⊘ | - TEE UP SYMBOL |
| --- GAS --- | - GAS LINE | ⊘ | - ELBOW UP SYMBOL |
| --- PWR --- | - POWER LINE | ▲ | - THRUST BLOCK |
| --- | - PROPERTY LINE | 1'-0" LF | - PIPE SIZE INCHES |
| --- | - IRRIGATION LINE | 1'-0" LF | - PIPE LENGTH FEET AND INCHES LINEAR FEET |
| ⊗ | - EXISTING TREE | △ | - REVISION SYMBOL AND NUMBER |
| ⊗ | - EXISTING FIRE HYDRANT | ⊗ | - PLAN NORTH SYMBOL |
| ⊗ | - FIRE HYDRANT | ⊗ | - POWER VAULT |
| ⊗ | - NRS GATE VALVE WITH ROAD BOX | | |
| ⊗ | - FIRE DEPARTMENT CONNECTION | | |



FIRE SPRINKLER SITE PLAN

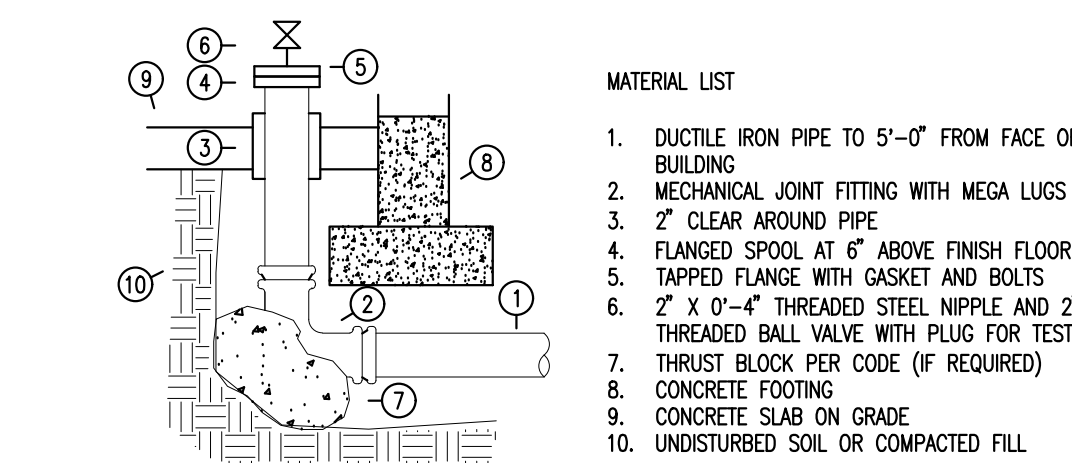
SCALE: 1" = 20'-0"

WATER FLOW DATA:	
STATIC:	58 PSI
RESIDUAL:	44 PSI
GPM FLOWING:	1708 GPM
DATE:	4-8-2024
LOCATION:	1309 W 13TH STREET
INFO FROM:	CITY OF VANCOUVER
SYSTEM DEMAND @ BASE OF RISER	
REMOTE ARE 1 OVERHEAD	226.0 GPM @ 41.6 PSI
REMOTE AREA 1 PENDENTS	159.0 GPM @ 44.0 PSI
REMOTE AREA 2 OVERHEAD	335.4 GPM @ 47.2 PSI
DRY PIPE	107.7 GPM @ 49.7 PSI



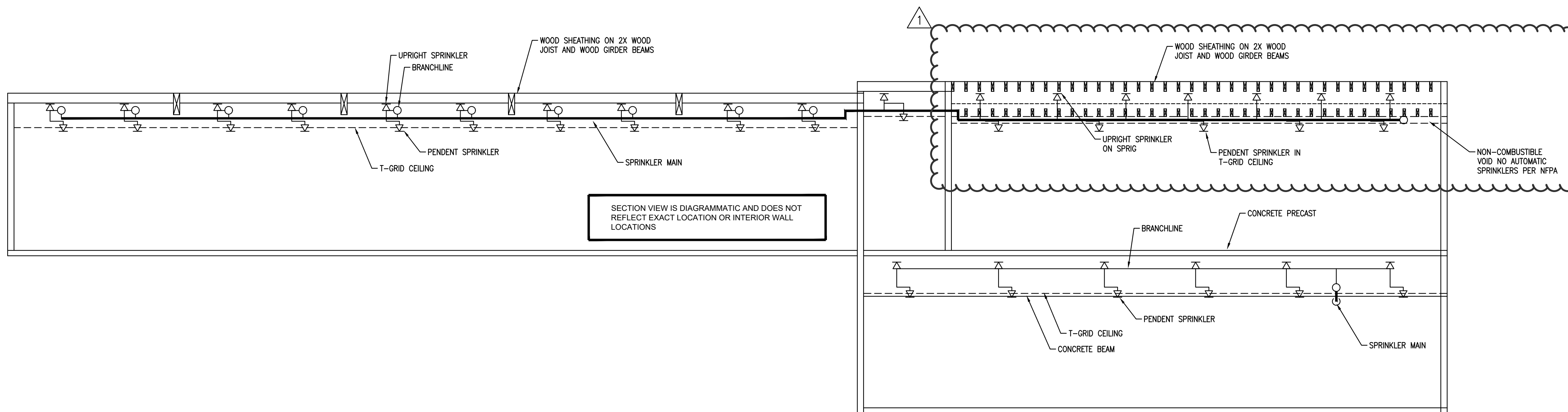
1 RISER DETAIL

SCALE: 1/2" = 1'-0"



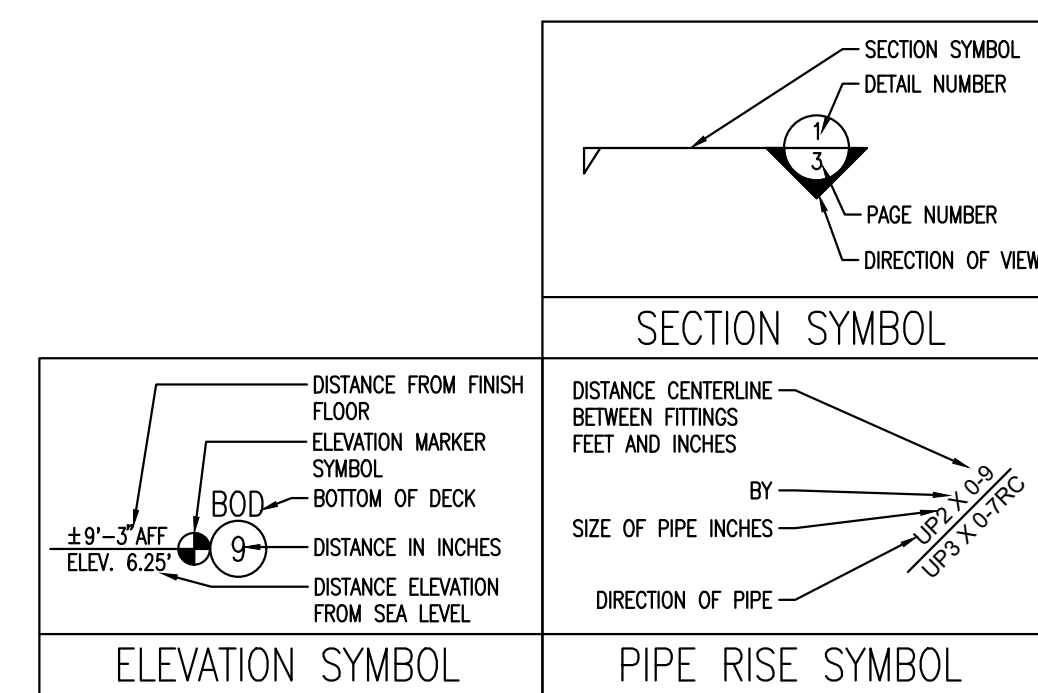
2 LEAD IN DETAIL

M/J FITTINGS



3 BUILDING SECTION

SCALE: N.T.S.



PRELIMINARY
NOT FOR
CONSTRUCTION

CONSULTANT:

Fire Systems West
600 SE Maritime Avenue, Suite 300
Vancouver, WA 98661
(360) 693-9906 fax: (503) 289-2208

PROJECT NUMBER: 223214

**Clark County
Elections Office TI**

1408 FRANKLIN ST
VANCOUVER, WA
98660

SHEET TITLE:

**FIRE SPRINKLER
SITE PLAN**

DRAWN BY: JCS
REVIEW SET: 04/15/24
PERMIT SET: 05/03/24
ADDENDUM #1: 06/20/24

SHEET:

FP100