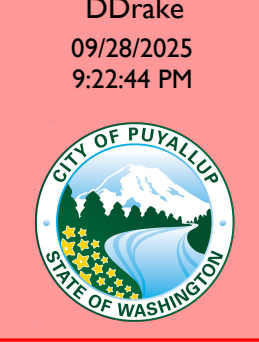


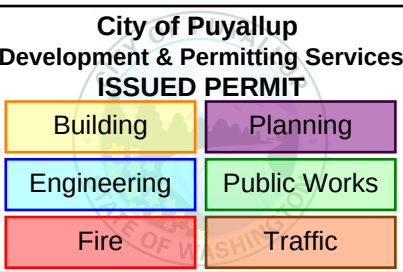
City of Puyallup
Fire
REVIEWED
FOR
COMPLIANCE



Read Permit Conditions prior to calling for inspection.

THE APPROVED CONSTRUCTION
PLANS AND ALL ENGINEERING
MUST BE POSTED ON THE JOB AT
ALL INSPECTIONS IN A VISIBLE AND
READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an
approval of omissions or oversight by this
office or noncompliance with any
applicable regulations of local government.
The contractor is responsible for making
sure that the building complies with all
applicable building codes and regulations of
the local government.



DRAWING INDEX

FP 0.01	COVERSHEET, GENERAL NOTES, & SITE PLAN
FP 1.10	STANDARD & RISER DETAILS
FP 1.20	STANDPIPE ISOMETRIC
FP 1.21	STAIR A STANDPIPE
FP 1.22	STAIR B STANDPIPE
FP 2.01	FIRE SPRINKLER PLAN - LEVEL 0 SOUTH
FP 2.02	FIRE SPRINKLER PLAN - LEVEL 0 SOUTH
FP 2.10	FIRE SPRINKLER PLAN - LEVEL 1 NORTH
FP 2.11	FIRE SPRINKLER PLAN - LEVEL 1 SOUTH
FP 2.20	FIRE SPRINKLER PLAN - LEVEL 2 NORTH
FP 2.21	FIRE SPRINKLER PLAN - LEVEL 2 SOUTH
FP 2.30	FIRE SPRINKLER PLAN - LEVEL 3 NORTH
FP 2.31	FIRE SPRINKLER PLAN - LEVEL 3 SOUTH
FP 2.40	FIRE SPRINKLER PLAN - ATTIC NORTH
FP 2.41	FIRE SPRINKLER PLAN - ATTIC SOUTH

ABBREVIATIONS

AHJ	AUTHORITY HAVING JURISDICTION
ATR	ALL-THREAD ROD
BB	BOTTOM OF BEAM
BD	BOTTOM OF DECK
CL	CENTERLINE
CTS	CUT TO SUIT
DN	PIPE DOWN
DR	DROP
EC	EXTENDED COVERAGE
FDC	FIRE DEPARTMENT CONNECTION
FF (OR AFF)	ABOVE FINISH FLOOR
FOC	FACE OF CONCRETE
FOW	FACE OF WALL
GALV	GALVANIZED
GCR	GROOVED CONCENTRIC REDUCER
GER	GROOVED ECCENTRIC REDUCER
GRC	GROOVED REDUCING COUPLING
GOL	GROOVE-Q-LET
HSW	HORIZONTAL SIDEWALL
IFOW	INSIDE FACE OF WALL
MT	MECHANICAL TEE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
O.C	ON CENTER
OFOV	OUTSIDE FACE OF WALL
P/V	POST INDICATOR VALVE
POC	POINT OF CONNECTION
POL	THREADED PIPE-Q-LET
RC	REDUCING COUPLING
RHFP	RED HAWK FIRE PROTECTION
RN	RISER NIPPLE
SP	SPRIG
SS	STAINLESS STEEL
SSP	STANDARD SPRAY PENDENT
SSU	STANDARD SPRAY UPRIGHT
THR	THREAD
TS	TOP OF STEEL OR TOP OF STRUCTURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UP	PIPE UP

SYSTEM INFORMATION

SYSTEM NAME	PROTECTION AREA	CONTROL VALVE LOCATION	SYSTEM SIZE	AIR VOLUME	NO. OF SPRINKLERS
L0 DRY	ENTIRE LEVEL	LEVEL 0 WATER ENTRY	31,981 SQ. FT.	445 GAL	188
L1 WET	ENTIRE LEVEL	STAIR A & B LANDINGS	36,125 SQ. FT.	N/A	425
L2 WET	ENTIRE LEVEL	STAIR A & B LANDINGS	35,764 SQ. FT.	N/A	417
L3 WET	ENTIRE LEVEL	STAIR A & B LANDINGS	32,796 SQ. FT.	N/A	399
ATTIC DRY	ENTIRE LEVEL	LEVEL 0 WATER ENTRY	32,796 SQ. FT.	1217 GAL	294
PROJECT TOTAL SPRINKLER COUNT:					1723

DESIGN CRITERIA

PER NFPA 13 (2019), CITY OF PUYALLUP, AND PROJECT SPECIFICATION

LEVEL 0
ELEV LOBBY 0006, STAIR A0, & STAIR B0
DRY SYSTEM
LIGHT HAZARD
DESIGN DENSITY: 0.10 GPM / 1950 SQ. FT.
PARKING SOUTH 0001, PARKING NORTH 0002, MECH/WATER
SERVICE 0013, DATA 0011A, BIKES 0011B, ELECT 0011, & TRASH 0005
DRY SYSTEM
ORDINARY HAZARD - GROUP I
DESIGN DENSITY: 0.15 GPM / 1950 SQ. FT.
STORAGE 0004, RES STORAGE 0012, & STORAGE 0015
DRY SYSTEM
ORDINARY HAZARD - GROUP II
DESIGN DENSITY: 0.20 GPM / 1950 SQ. FT.

LEVELS 1-3
STAIRS (A, B, C, D, E), CORRS (N, E, S), BLDG STORAGE 1035,
TRASH (1032, 2032A, 3030A), CLOSET 1033, LOBBY (1031, 2032, 3030),
COMMONS 1036, VESTIBULE 1030, TOILET (1037, 1041, 2037),
DATA (2033A, 2035), ELECT (1031A, 2033, 3034), MECH (1040, 3036),
GAME ROOM 1042, CLUB ELECT 2036A, CLUB ROOM 2036 &
RESI STORAGE (3033, 3037)

WET SYSTEM
LIGHT HAZARD
DESIGN DENSITY: 0.10 GPM / 1500 SQ. FT.

RESIDENTIAL UNITS
WET SYSTEM
RESIDENTIAL (NFPA 13)
DESIGN DENSITY: 0.10 GPM / MOST DEMANDING 4 SPRINKLERS

ATTIC
DRY SYSTEM
LIGHT HAZARD
DESIGN DENSITY: PER SPECIALTY ATTIC SPRINKLERS LISTING

NOTE:
CALCULATIONS MAY APPLY DESIGN AREA REDUCTIONS & INCLUSIONS
PER NFPA 13 (2019) SECTION 19.3.3.2. SEE INDIVIDUAL CALCULATIONS &
HYDRAULIC INFORMATION TABLES FOR DETAILS.

WATER FLOW INFORMATION

WATERFLOW INFORMATION HAS BEEN PROVIDED BY PUYALLUP PUBLIC
UTILITIES (WATER PROVIDER). THE FOLLOWING INFORMATION
OBTAINED FROM WATER FLOW MODEL RECEIVED 03/13/2025.

STATIC PRESSURE: 77 PSI

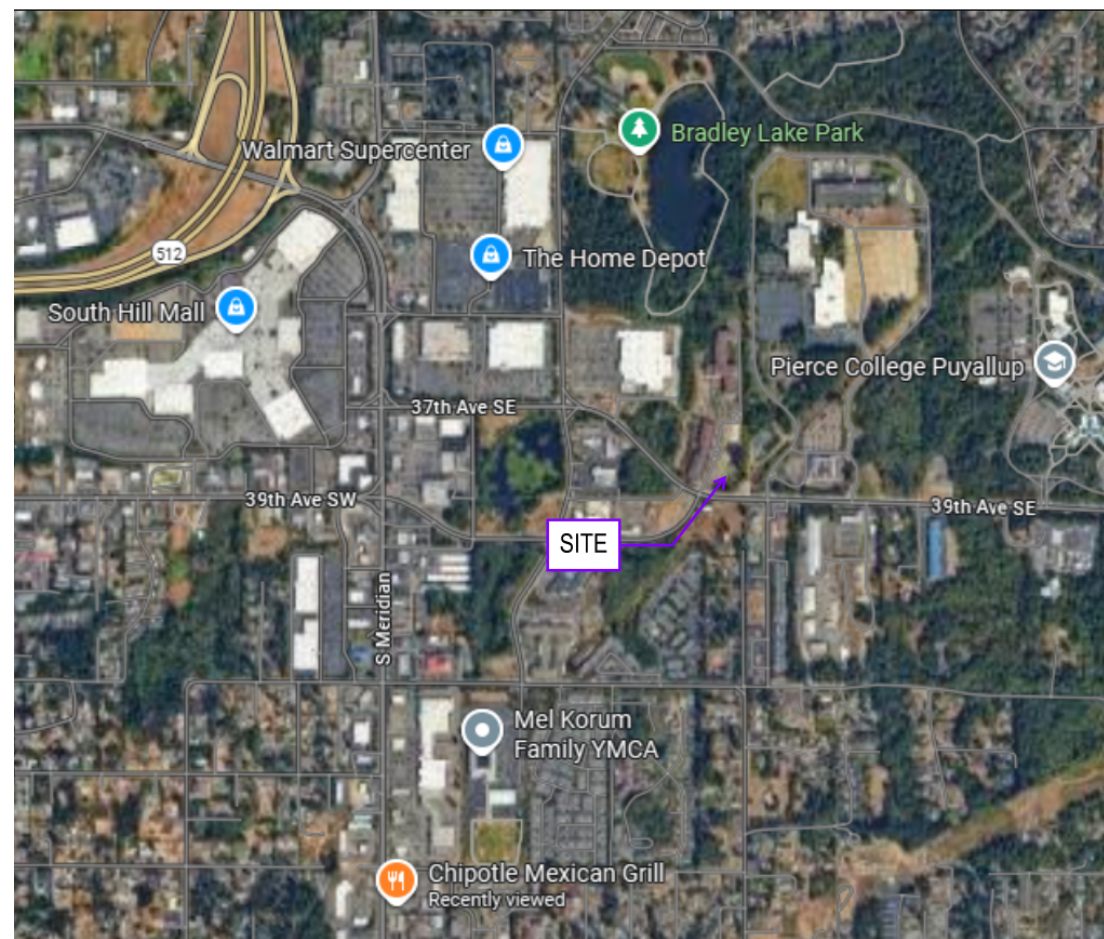
RESIDUAL PRESSURE: 20 PSI @ 3250 GPM

MODELED HYDRANT J1834.

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION AND USE:	R-2, A-3, & S-2
BUILDING CONSTRUCTION TYPE:	1A (L0) & VA (L1-L3)
APPLICABLE CODE(S)	IBC (2018)
APPLICABLE STANDARDS:	NFPA 13 (2019), NFPA 14 (2019)
NUMBER OF STORIES:	4
ACTUAL BUILDING HEIGHT:	45'-4"
BUILDING AREA IN SQUARE FEET:	136,666 FT²
FIRE SPRINKLERS:	YES
FIRE ALARM:	YES
SMOKE CONTROL SYSTEM:	NO
SITE CLASS:	C
SEISMIC DESIGN CATEGORY:	D
OCCUPANCY CATEGORY:	II
SS:	1,257
S1:	0.434
SDS:	1,000
SD1:	0.434
Cp:	0.61

VICINITY MAP



SCOPE OF WORK

RED HAWK FIRE PROTECTION, LLC. (RHFP) WILL PROVIDE (3) WET PIPE
AUTOMATIC SPRINKLER SYSTEM, (2) DRY PIPE AUTOMATIC SPRINKLER
SYSTEM, AND CLASS 1 COMBINATION STANDPIPE SYSTEM TO PROTECT
THE ENTIRE PROPOSED NEW BUILDING.

RHFP WILL START WORK AT A 8" FLANGE 6" OFF FINISHED WALL IN
WATER ENTRY ROOM ON LEVEL 0.

ALL AREAS PROTECTED BY A WET SYSTEM MUST BE MAINTAINED BY
OTHERS AT A MINIMUM 40°F TO PREVENT FREEZING.

EXCLUSIONS

PAINTING OR LABELING OF PIPE AND/OR EQUIPMENT.

ELECTRICAL WIRING OF ANY KIND INCLUDING BUT NOT LIMITED TO
WATERFLOW SWITCH, ELECTRIC BELL, AND TAMPER SWITCHES.

CENTRAL STATION MONITORING EQUIPMENT, WIRING AND SERVICES.

ALL UNDERGROUND WORK INCLUDING BUT NOT LIMITED TO: BACKFILL,
SELECT FILL, BREAKING PATCHING, SAW CUTTING, LAWN REPAIR,
LANDSCAPING, TREE REMOVAL, STERILIZATION, DEVELOPMENT FEES
AND CITY CONNECTION.

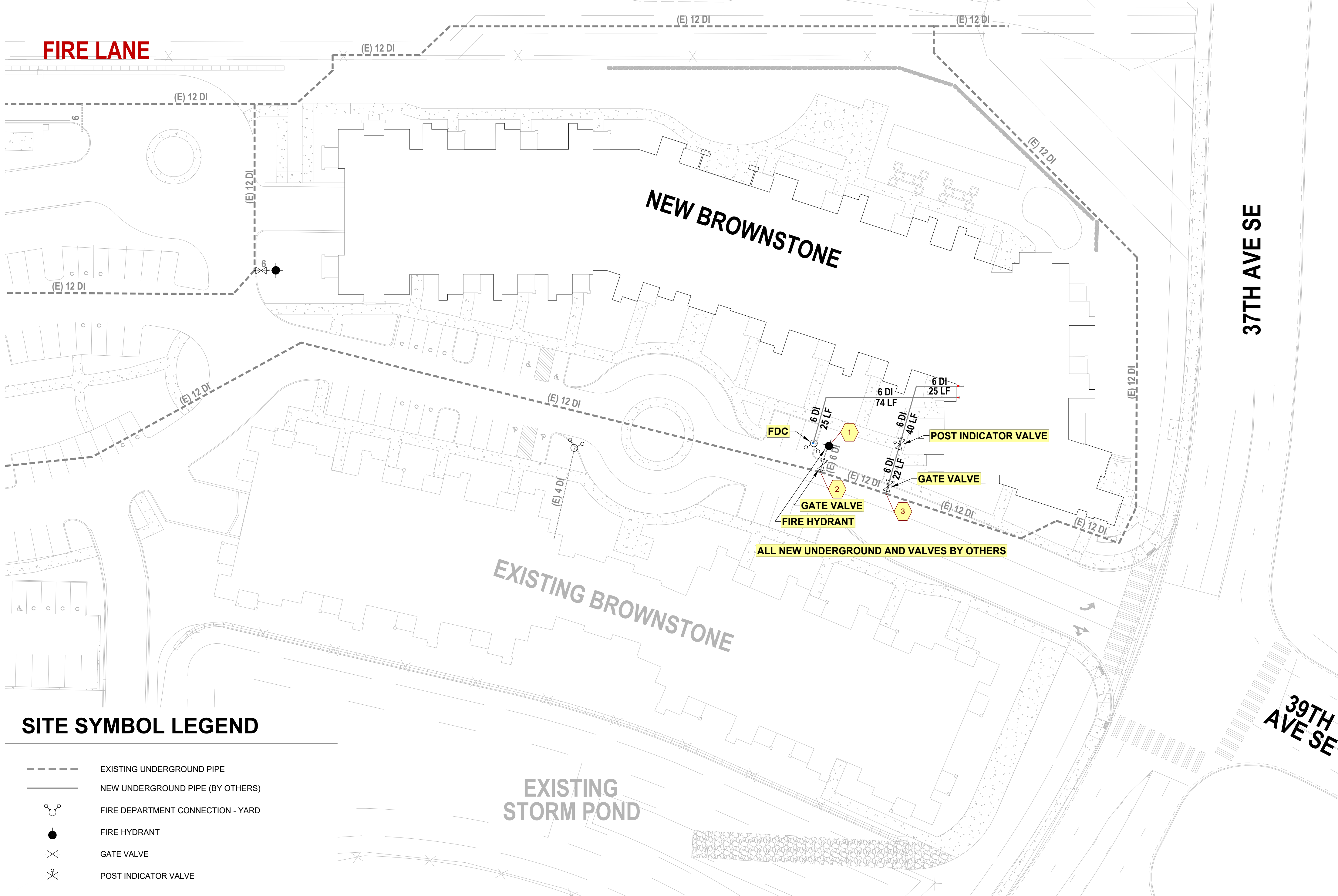
HEAT TRACING IF REQUIRED.

FIRE STOPPING AND/OR NOISE CAULKING IF REQUIRED.

GENERAL NOTES

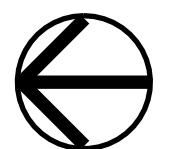
- SPRINKLER SYSTEM DESIGN PER NFPA #13 (2019), AND AUTHORITY
HAVING JURISDICTION (CITY OF PUYALLUP).
- ALL MATERIALS SHALL BE NEW AND UL AND/OR FM APPROVED.
- FIRE SPRINKLER SYSTEM TO BE INSTALLED, BRACED AND TESTED
IN ACCORDANCE WITH NFPA #13 AND AUTHORITY HAVING
JURISDICTION.
- IN LOCALITIES SUBJECT TO FREEZING CONDITIONS IT IS THE
OWNERS RESPONSIBILITY TO PROVIDE HEAT THROUGH OUT THE
WET PIPE SPRINKLER SYSTEM AREAS AND IN ENCLOSURES FOR
DRY PIPE, DELUGE, AND OTHER TYPES OF VALVES CONTROLLING
WATER SUPPLIES TO SPRINKLER SYSTEMS.
- FIRE PROTECTION CONTRACTOR SHALL NOT BE RESPONSIBLE FOR
THE ABILITY OF THE STRUCTURE TO ADEQUATELY SUPPORT THE
FIRE SPRINKLER SYSTEM OR ANY APPURTENANCES THEREOF.
- ALL ELECTRICAL, PAINTING OF PIPE, FURRING, CUTTING, OR
PATCHING TO BE BY OTHERS.
- 1" - 1 1/2" PIPE TO BE THREADED SCHED 40 STEEL WITH THREADED
DUCTILE IRON FITTINGS UNO.
- 1" GROOVED PIPING TO BE SCHED 40 STEEL WITH VICTAULG IGS
GROOVED FITTINGS UNO.
- ALL DRY PIPING 1 1/2" AND LARGER PIPE TO BE SCHED 10 WITH
GROOVED FITTINGS UNO.
- ALL WET PIPING 1 1/2" AND LARGER PIPE TO BE FLOW WITH
GROOVED FITTINGS UNO.
- ALL DRY MAIN PIPING TO BE SLOPED AT 1/4" PER 10'-0" AND ALL DRY
LINE PIPING TO BE SLOPED AT 1/2" PER 10'-0" UNO.
- ALL PENDENT HEADS TO BE CENTERED IN ONE DIRECTION OF
CEILING TILES. UNLESS SPACING DOES NOT ALLOW.
- ALL FLEXIBLE DROP FITTINGS TO BE 72" UNO.
- ALL FLEXIBLE DROP FITTINGS TO BE INSTALLED PER
MANUFACTURER'S LISTED MAXIMUM ALLOWED BENDS AND BEND
RADIUS.
- TYPICAL STEEL HANGER TO BE RING HANGER ATTACHED WITH HILTI
HDL-P TZ UNO.
- TYPICAL CPVC HANGER TO BE CPVC TYPE UNO.

FIRE LANE



SITE SYMBOL LEGEND

---	EXISTING UNDERGROUND PIPE
---	NEW UNDERGROUND PIPE (BY OTHERS)
○	FIRE DEPARTMENT CONNECTION - YARD
●	FIRE HYDRANT
△	GATE VALVE
▽	POST INDICATOR VALVE



SITE PLAN

0' 8' 16' 32' 64'
SCALE: 1/32"=1'-0"



BUILDING SECTION

0' 2' 4' 8' 16'
SCALE: 1/8"=1'-0"

RED HAWK
FIRE PROTECTION, LLC



801 VALLEY AVE NW, SUITE D
PUYALLUP, WA 98371
PHONE: (253) 840-9900 FAX: (800) 591-4382
WA CLA REDHAHF901QP

NICET Stamp



Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT

Revisions

Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email: OGill.I@WALSHCONSTRUCTION.COM

Contract Name:
**BRADLEY PARK
PHASE 2**

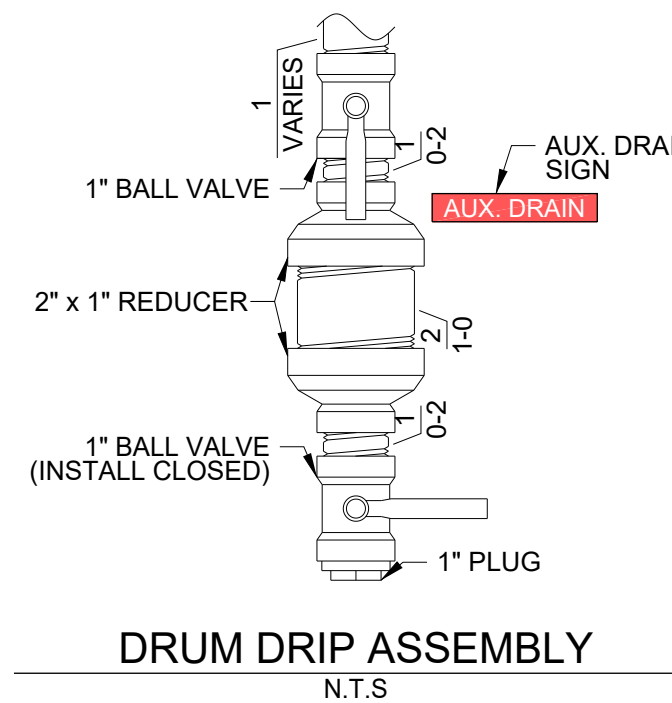
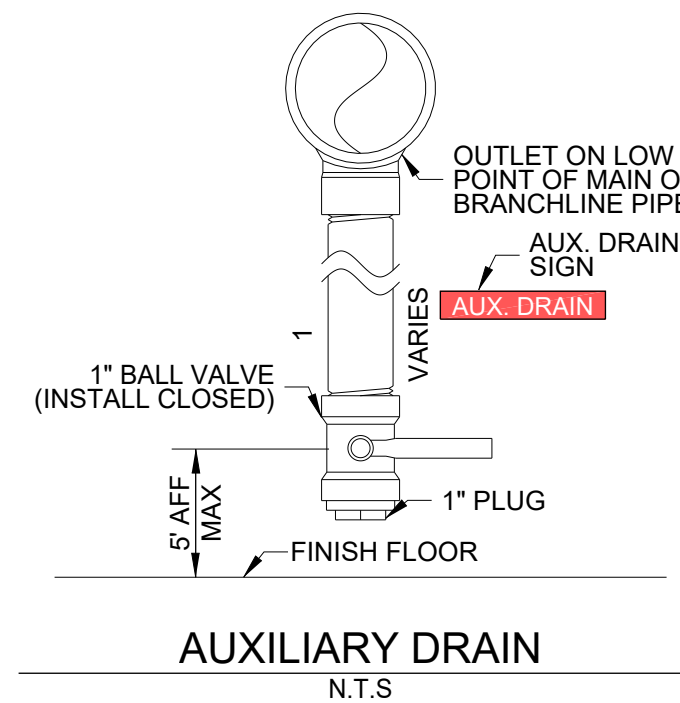
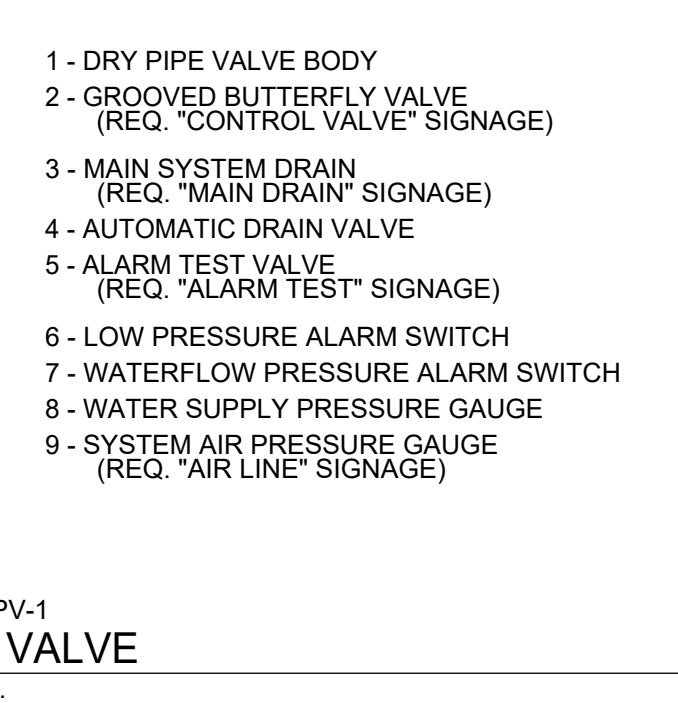
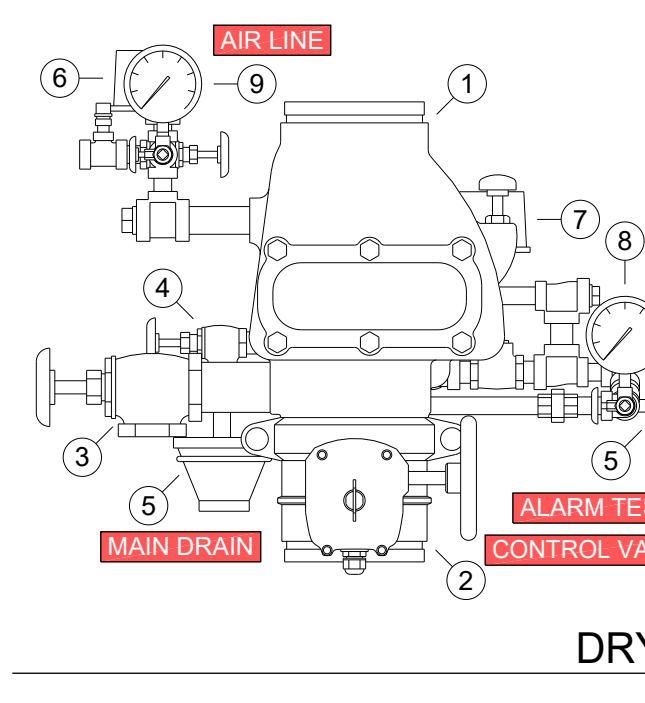
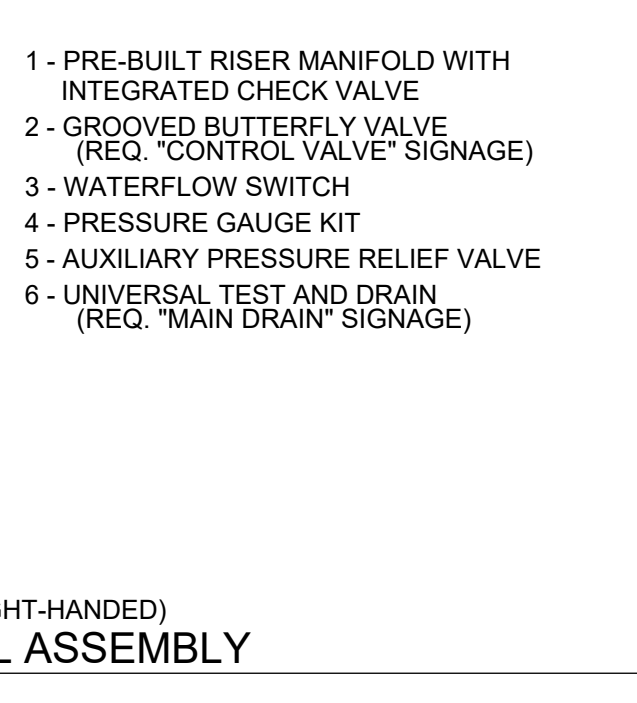
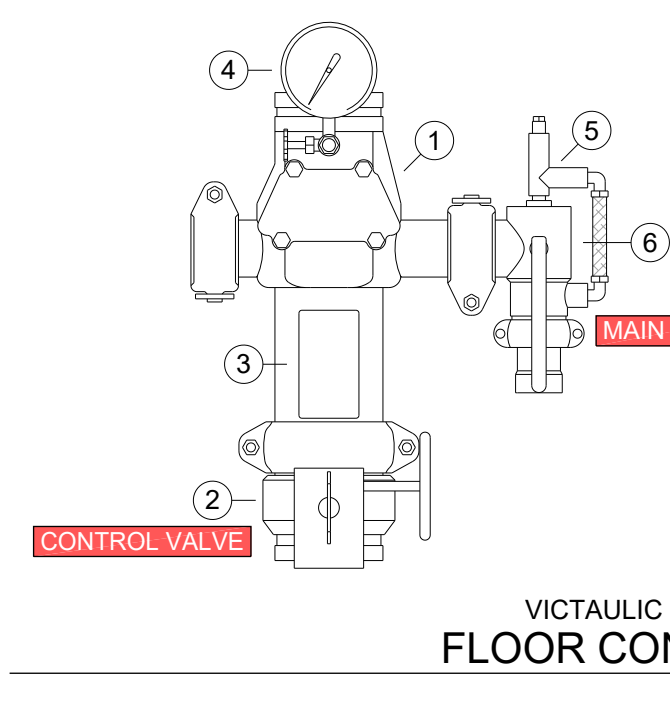
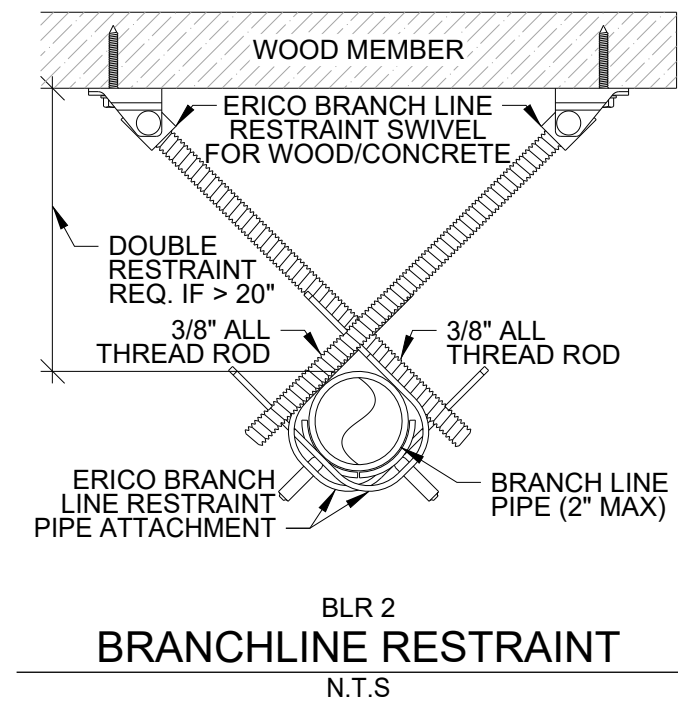
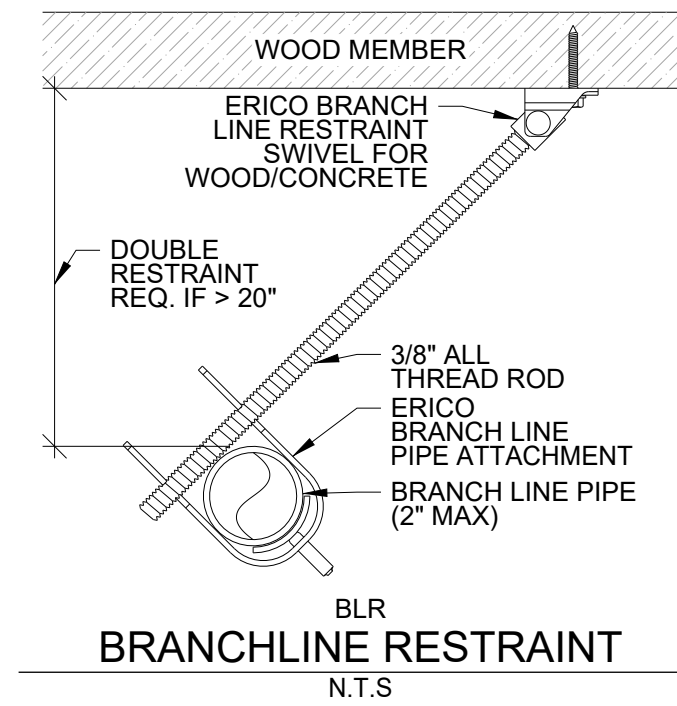
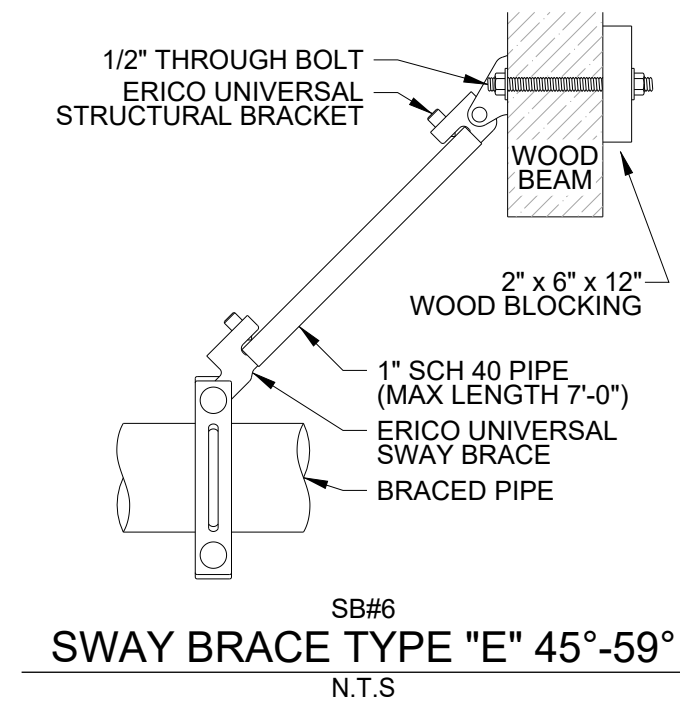
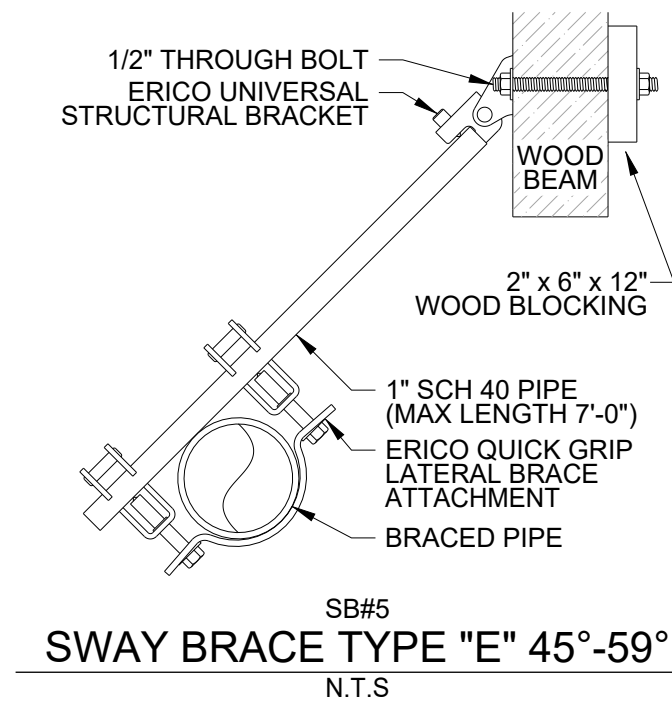
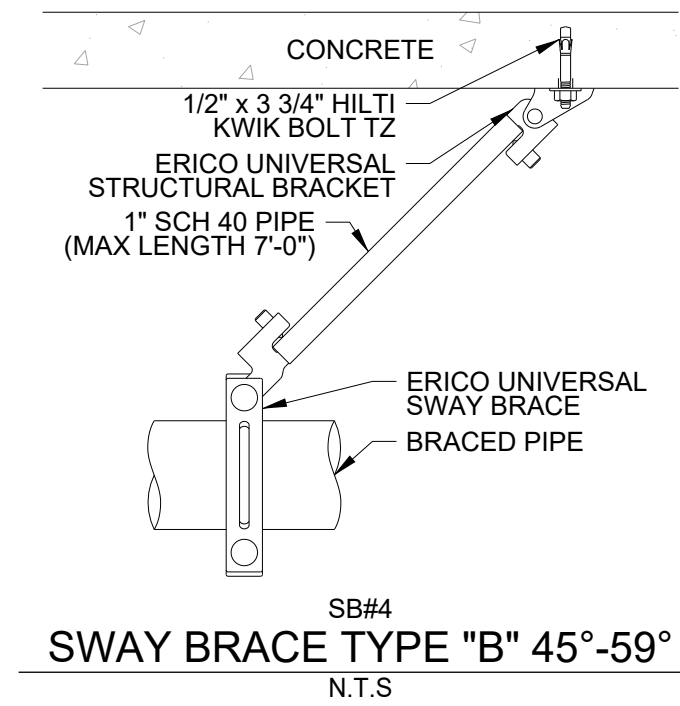
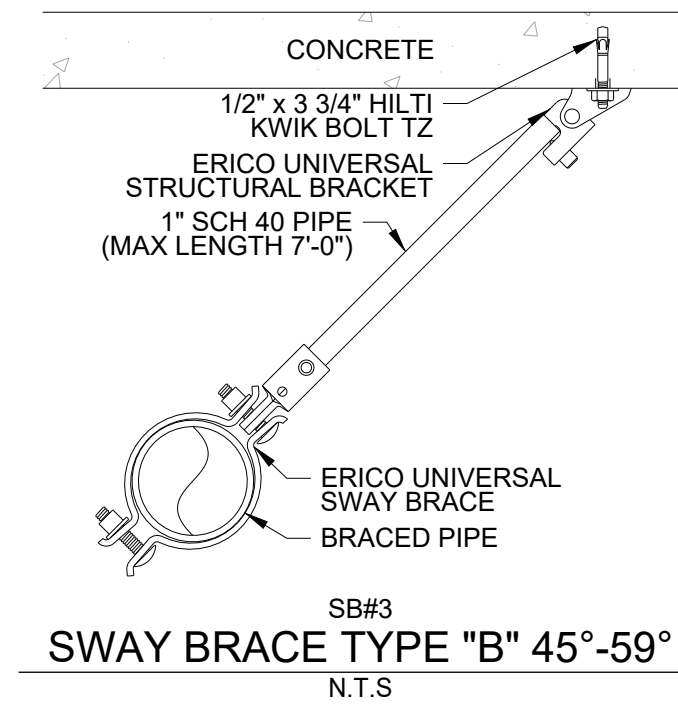
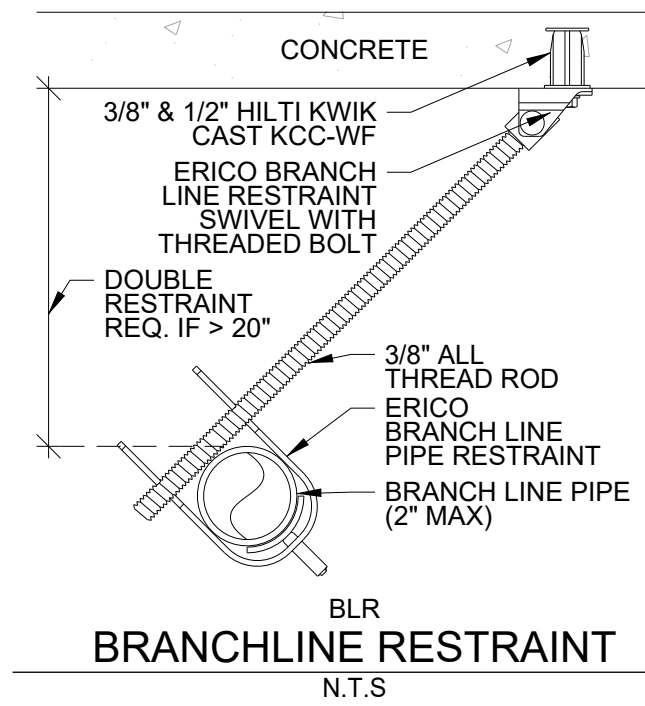
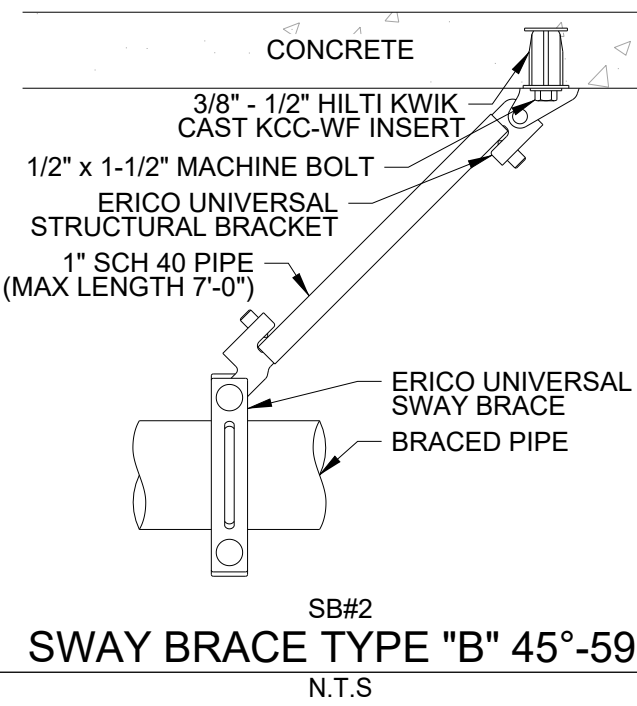
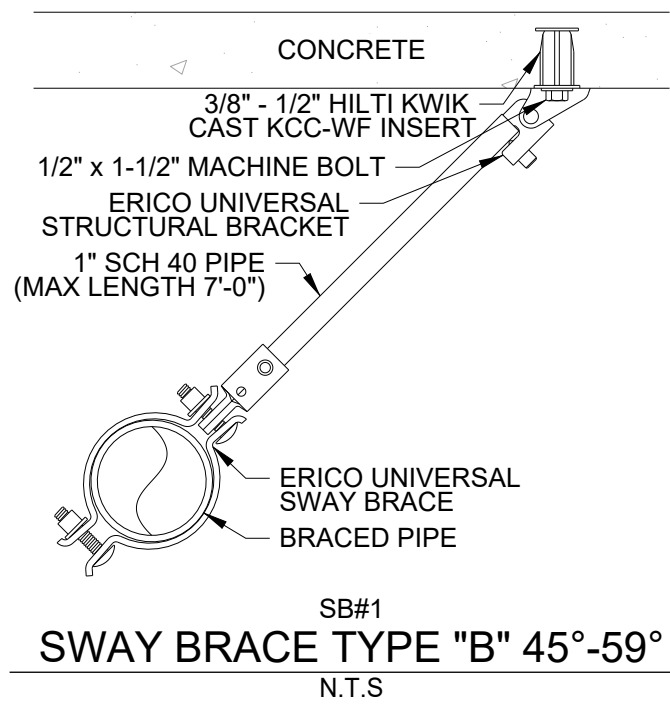
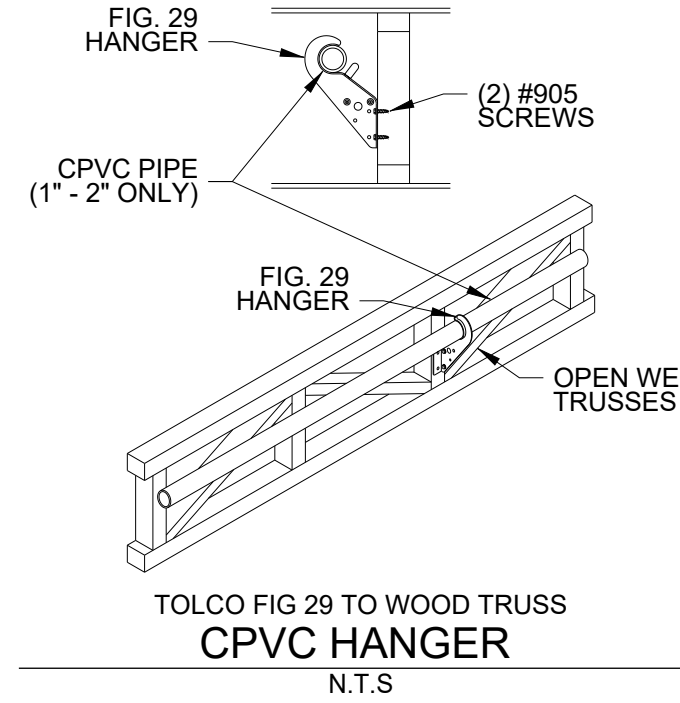
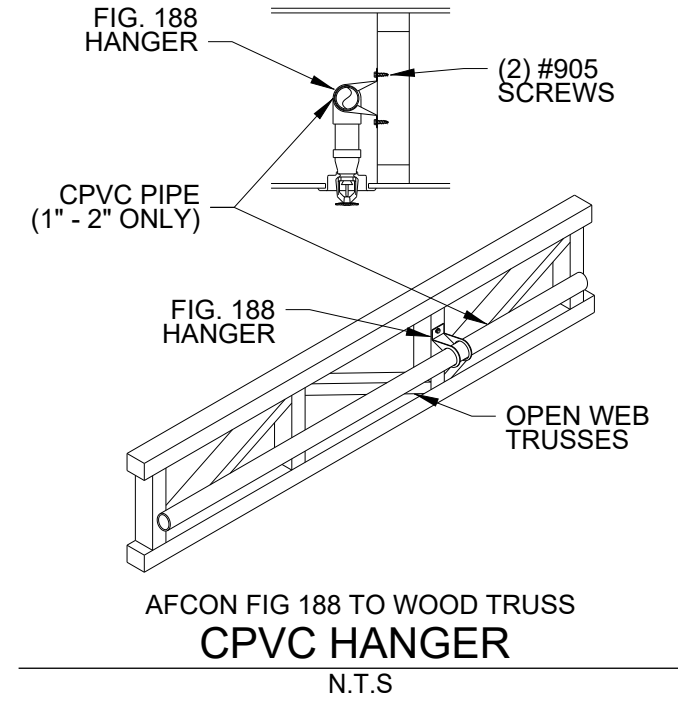
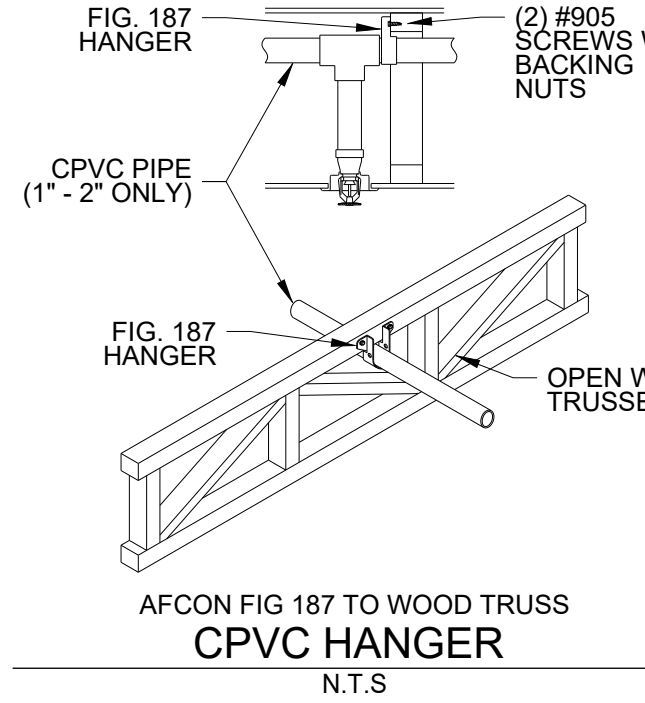
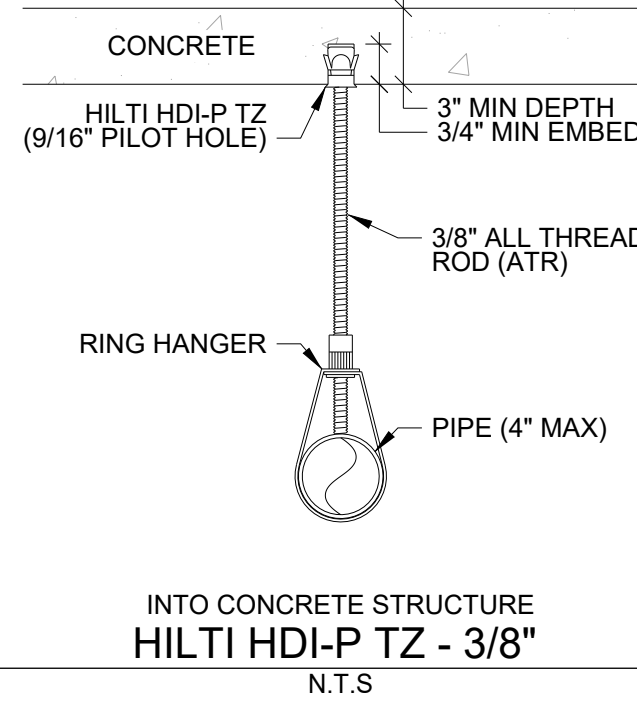
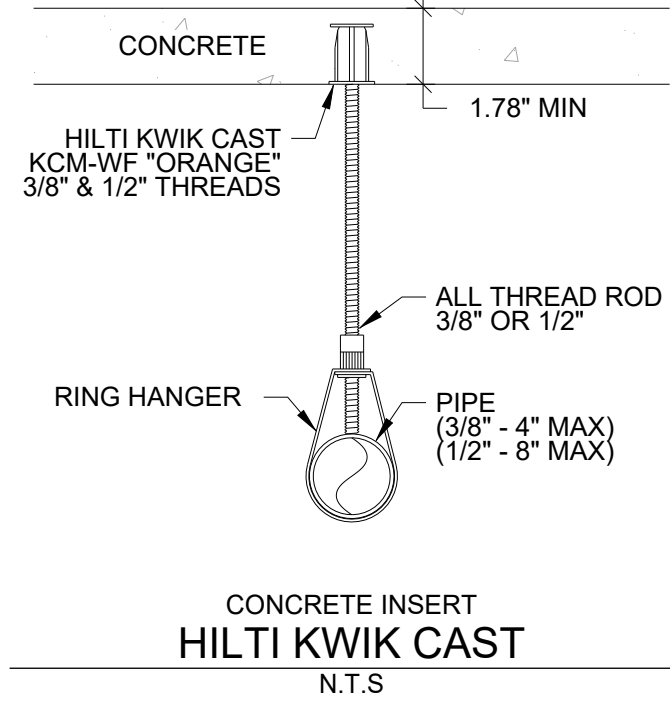
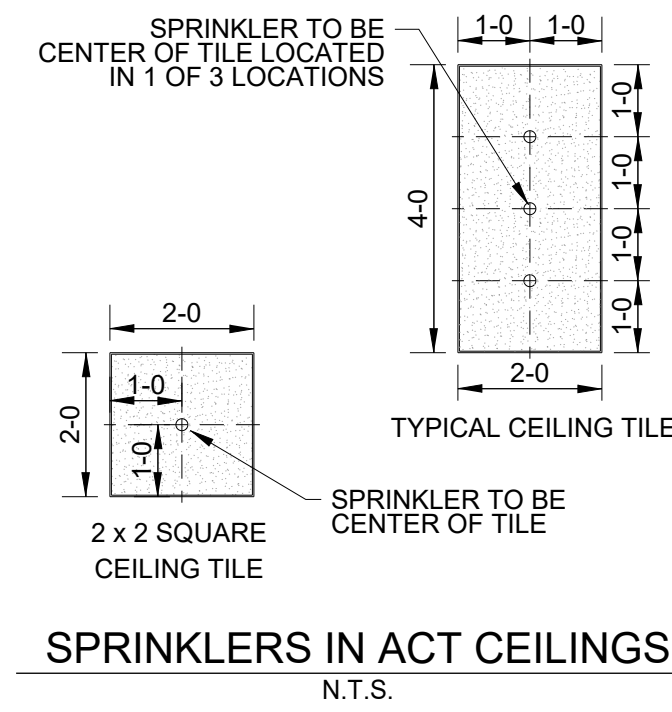
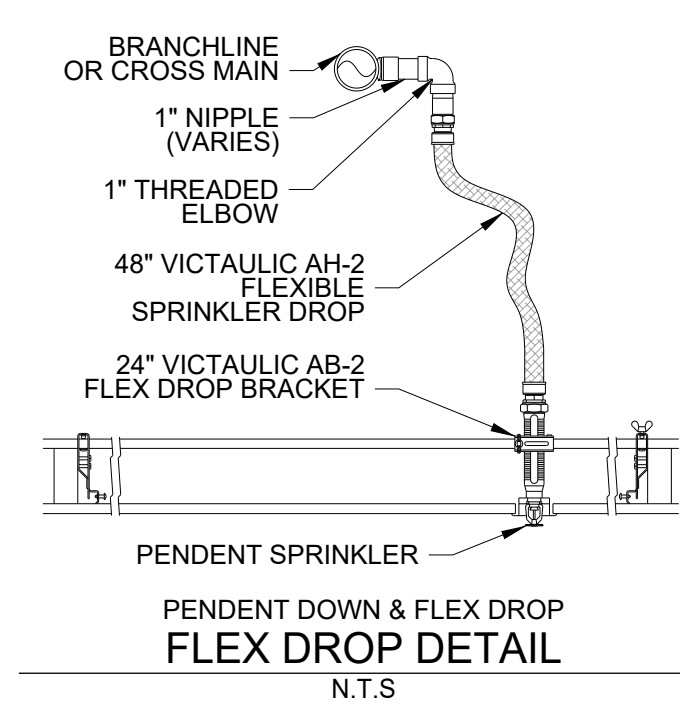
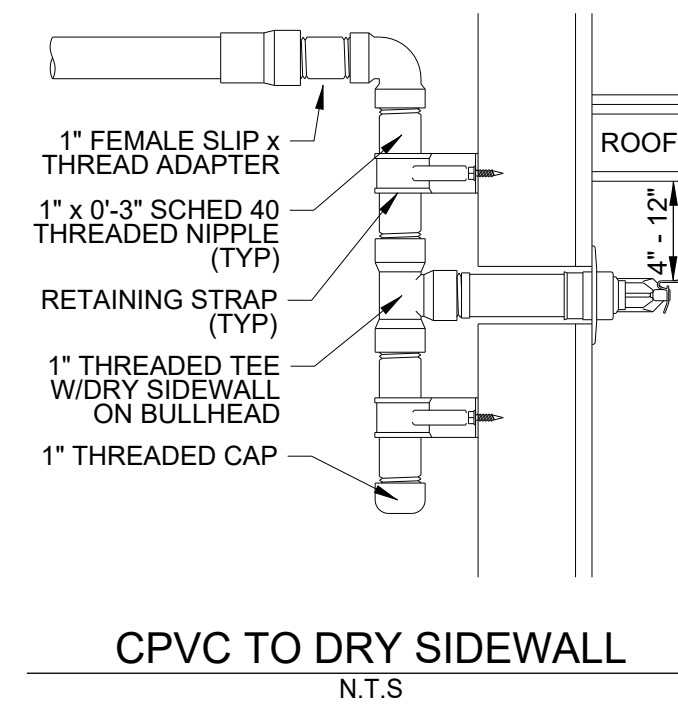
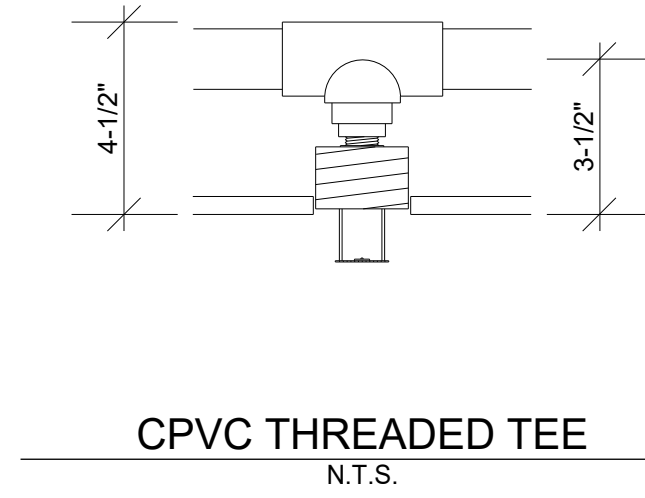
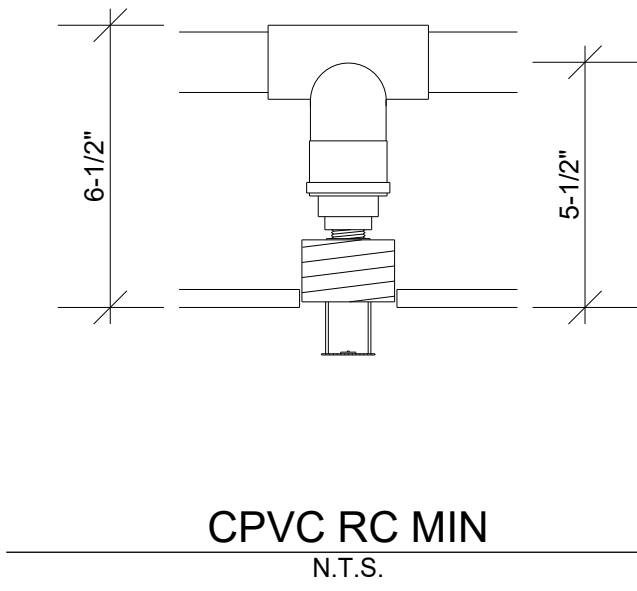
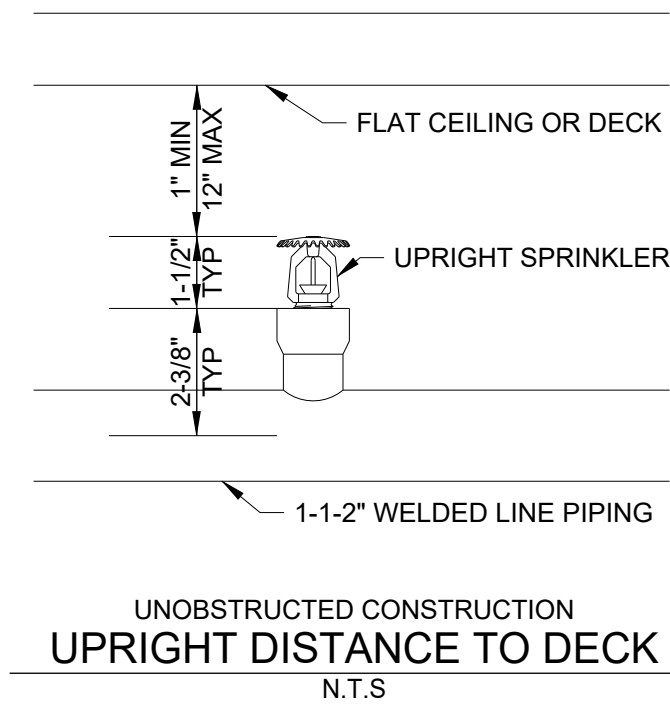
707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

Drawing Title
**COVERSHEET,
GENERAL NOTES, &
SITE PLAN**

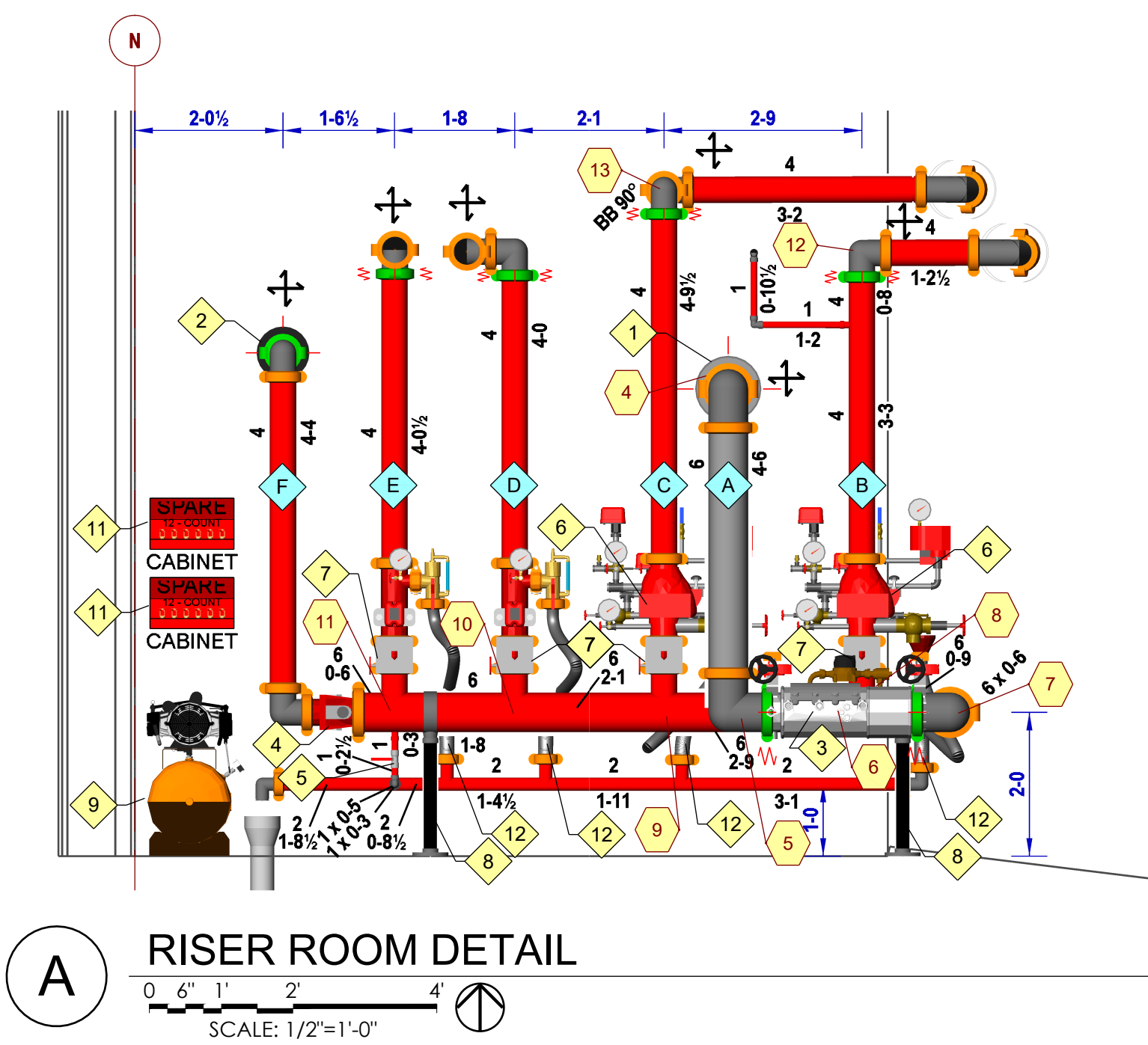
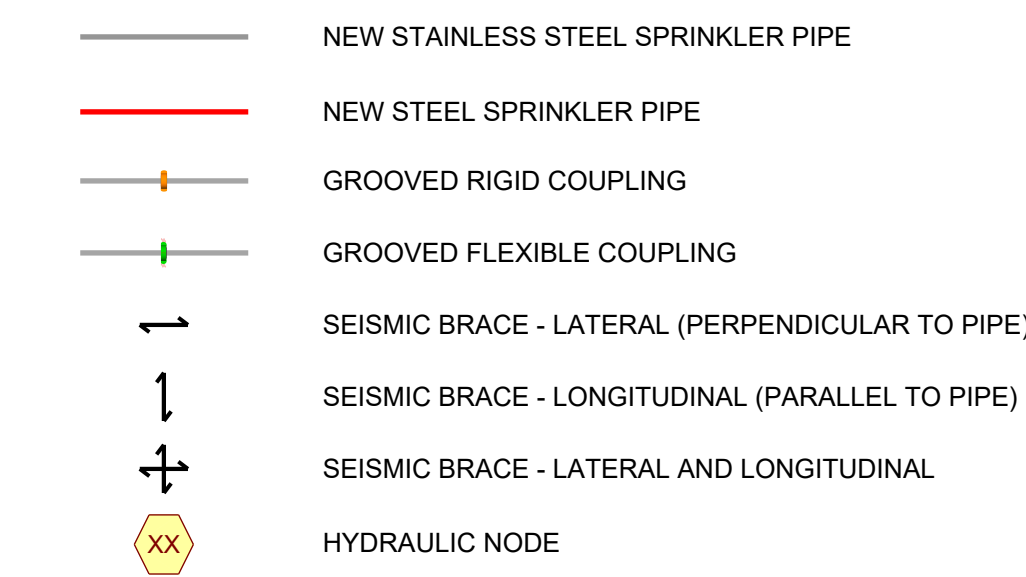
Key Plan

Date: September 17, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:
Drawing No.

FP 0.01



RISER SYMBOL LEGEND



RISER NOTES

- 01 - ALL RISER ROOM PIPING TO BE HUNG AND BRACED PER NFPA 13. SEE BRACING DETAILS.
- 02 - ALL FITTINGS TO BE SHORT PATTERN FITTINGS UNO.
- 03 - ALL COUPLINGS TO BE RIGID UNO.
- 04 - SPARE SPRINKLER STOCK BOX TO BE SECURED TO RISER ROOM WALL.
- 05 - SPARE SPRINKLER STOCK BOX TO CONTAIN MINIMUM NUMBER OF SPECIFIED SPRINKLERS PER NFPA 13. LIST OF STOCK TO BE PROVIDED ON BOX.
- 06 - ALL SIGNAGE TO BE 6\"/>
- 07 - HYDRAULIC CALCULATION, SYSTEM DESIGNATION, AND INFORMATION PLACARD STICKERS TO BE INSTALLED ON ALL SYSTEM MAIN FEED PIPES ABOVE MAIN CONTROL VALVE.
- 08 - ALARM BELL WITH BACKER BOX TO BE PROVIDED BY RHFP. MOUNTING LOCATION, INSTALLATION AND WIRING TO BE BY OTHERS.

RISER ROOM COMPONENTS LEGEND

TAG	QTY	SIZE	DESCRIPTION	MANUFACTURER	MODEL	REQ. SIGNAGE
1	1	6"	GROOVE X FLANGE ADAPTER	ANVIL	SPF F-3	N/A
2	1	4"	GROOVE X FLANGE ADAPTER	ANVIL	SPF F-3	N/A
3	1	6"	GROOVED DOUBLE CHECK DETECTOR ASSEMBLY	AMES / WATTS	DERINGER 30	CONTROL VALVE (2)
4	1	6"	GROOVED CHECK VALVE	LANSDALE	LVCVGG	N/A
5	1	1"	THREADED BALL VALVE	LANSDALE	LVBV	AUX DRAIN
6	2	4"	DRY PIPE VALVE (SEE DPV-1 DETAIL)	TYCO	DPV-1	SEE DPV-1 DETAIL
7	4	4"	GROOVED BUTTERFLY VALVE W/ TAMPER	LANSDALE	LVBG1	CONTROL VALVE
8	2	6"	6" PIPE CLAMP STAND W/ 2" SCH 40 PIPE	RHFF	N/A	
9	1	1845 GAL	AIR COMPRESSOR W/ AIR TANK	C-AIRE	S715 LD	AIR LINE
10	2	N/A	AIR MAINTENANCE DEVICE (NOT SHOWN)	GENERAL AIR	AMD-1	AIR LINE
11	2	12 CT	SPARE SPRINKLER STOCK BOX	ARGCO	6510150	SEE STOCK LIST
12	2	2	GROOVED DRAIN HOSE	RELIABLE	STREAMLINE	INSTALL BY OTHERS
	1	10	ALARM BELL (NOT SHOWN)	POTTER	MBA-10-24	N/A
A	1	2	FIRE SUPPLY LINE	-	-	-
B	1	2	LEVEL 0 DRY SYSTEM RISER	-	-	-
C	1	2	ATTIC DRY SYSTEM RISER	-	-	-
D	1	2	STAIR B STANDPIPE	-	-	-
E	1	2	STAIR A STANDPIPE	-	-	-
F	1	2	FDC SUPPLY	-	-	-

L0 DRY SYSTEM INFO

DRY SYSTEM SIZE: 445 GALLONS
COMPRESSOR AIR PRESSURE: 20-28 PSI
COMPRESSOR MAX SYSTEM SIZE: 1217 GALLONS
ACCELERATOR REQUIRED: NO
REQUIRED TO MEET TRIP TIME: NO
PER NFPA 13 (2019) SECTION 8.2.3.3

ATTIC DRY SYSTEM INFO

DRY SYSTEM SIZE: 1217 GALLONS
COMPRESSOR AIR PRESSURE: 20-28 PSI
COMPRESSOR MAX SYSTEM SIZE: 1217 GALLONS
ACCELERATOR REQUIRED: YES
REQUIRED TO MEET TRIP TIME: YES
PER NFPA 13 (2019) SECTION 8.2.3.3

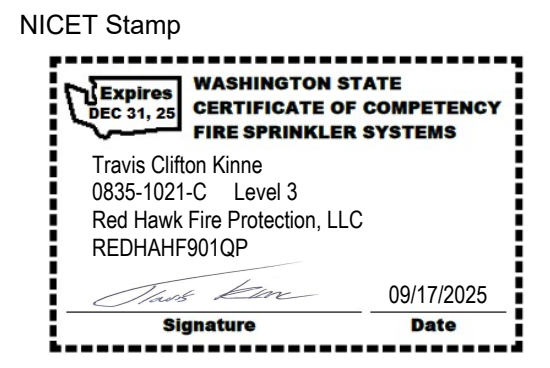
SPARE SPRINKLER STOCK BOX CONTENTS

QTY	MANUFACTURER	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	TEMP	FINISH	TRIM STYLE (NOT INCL.)	WRENCH
2	TYCO	TY313	TY-FRB	5.6	SSU	1/2"	QUICK	155°F	BRASS	NO TRIM	W-6
2	TYCO	TY313	TY-FRB	5.6	SSU	1/2"	QUICK	200°F	BRASS	NO TRIM	W-6
2	TYCO	TY5137	EC-11	11.2	EC SSU	1/2"	QUICK	155°F	BRASS	NO TRIM	W-3
2	TYCO	TY2534	LFII	4.9	RESI SSP	1/2"	FAST	155°F	WHITE	139" FLAT COVERPLATE	W-44
2	TYCO	TY3582	RFII-C	5.6	CORR SSP	1/2"	QUICK	155°F	BRASS	139" FLAT COVERPLATE	W-40
2	TYCO	TY2534	LFII	4.9	RESI SSP	1/2"	FAST	200°F	WHITE	165" FLAT COVERPLATE	W-44
2	TYCO	TY3531	RFII	5.6	SSP	1/2"	QUICK	155°F	WHITE	139" FLAT COVERPLATE	RFII
2	TYCO	TY3335	DS-1	5.6	DRY HSW	1"	QUICK	155°F	BRASS	STANDARD ESC	W-7
2	RELIABLE	RA5622	DD80-6	8.0	ATTIC BB	1/2"	QUICK	212°F	BRASS	NO TRIM	W2
2	TYCO	TY3187	HIP	5.6	ATTIC HIP	1/2"	QUICK	200°F	BRASS	NO TRIM	W-20
2	TYCO	TY3190	AP	5.6	ATTIC AP	1/2"	QUICK	200°F	BRASS	NO TRIM	W-6
2	TYCO	TY3183	SD1	5.6	ATTIC SD1	1/2"	QUICK	212°F	BRASS	NO TRIM	ADJUST
MINIMUM SPRINKLER STOCK IN BOX:											24

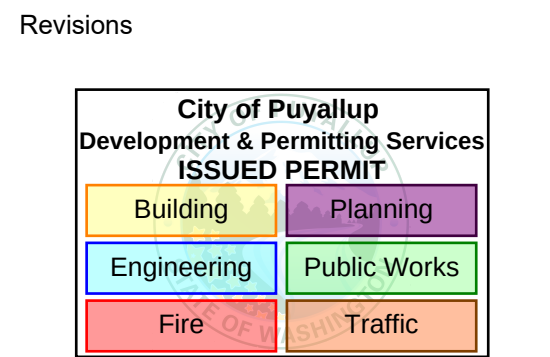
RED HAWK
FIRE PROTECTION, LLC

Ever Vigilant

801 Valley Ave NW, Suite D
Puyallup, WA 98371
Phone: (253) 840-9900 Fax: (800) 591-4382
WA CLA REDHAHF901QP



Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT



Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email: OGill.L@WALSHCONSTRUCTION.COM

Contract Name:
**BRADLEY PARK
PHASE 2**

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

Drawing Title
**STANDARD & RISER
DETAILS**

Key Plan

Date: September 17, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:

Drawing No.

FP 1.10

STANDPIPE NOTES

- 01 - STANDPIPE TO BE HUNG AND BRACED PER NFPA 13. SEE BRACING DETAILS ON SHEET FP 1.10.
- 02 - ALL FITTINGS TO BE SHORT PATTERN FITTINGS UNO.
- 03 - ALL COUPLINGS TO BE RIGID UNO.
- 04 - CALCULATION PLACARD STICKERS TO BE INSTALLED ON ALL SYSTEM MAIN FEED PIPES ABOVE MAIN CONTROL VALVES NFPA 13 SECTION 28.5.
- 05 - REMOTE RISER LOCATION PLACARDS TO BE INSTALLED ON ALL FLOOR CONTROL ASSEMBLIES AND REMOTE SYSTEM RISERS. PLACARDS NOTING THE LOCATIONS OF ANY AND ALL REMOTE RISERS SHALL BE INSTALLED ON THE APPLICABLE STANDPIPE SUPPLY RISERS IN RISER ROOM.
- 06 - SIGNAGE TO BE PROVIDED ON ALL CONTROL VALVES, DRAIN VALVES, TEST CONNECTIONS, FIRE DEPARTMENT CONNECTIONS AND SUPERVISORY AIR LINES AND INSTALLED AT WITH ALL REQUIRED INFORMATION & AT ALL LOCATIONS GIVEN PER NFPA 13 TABLE A16.17.

SYMBOL LEGEND

- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- HEAT TRACE
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG

RED HAWK
FIRE PROTECTION, LLC

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PUYALLUP, WA 98371
PHONE: (253) 840-9900 FAX: (800) 591-4382
WA CL# REDHAHF901QP

NICET Stamp

Expires
06/30/25

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS
Travis Clifton Kinne
0855-1021-C, Level 3
Red Hawk Fire Protection, LLC
REDHAHF901QP

Signature
Date
09/17/2025

Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT

Revisions

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email:
QGILL1@WALSHCONSTRUCTION.COM

Contract Name:
BRADLEY PARK
PHASE 2

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

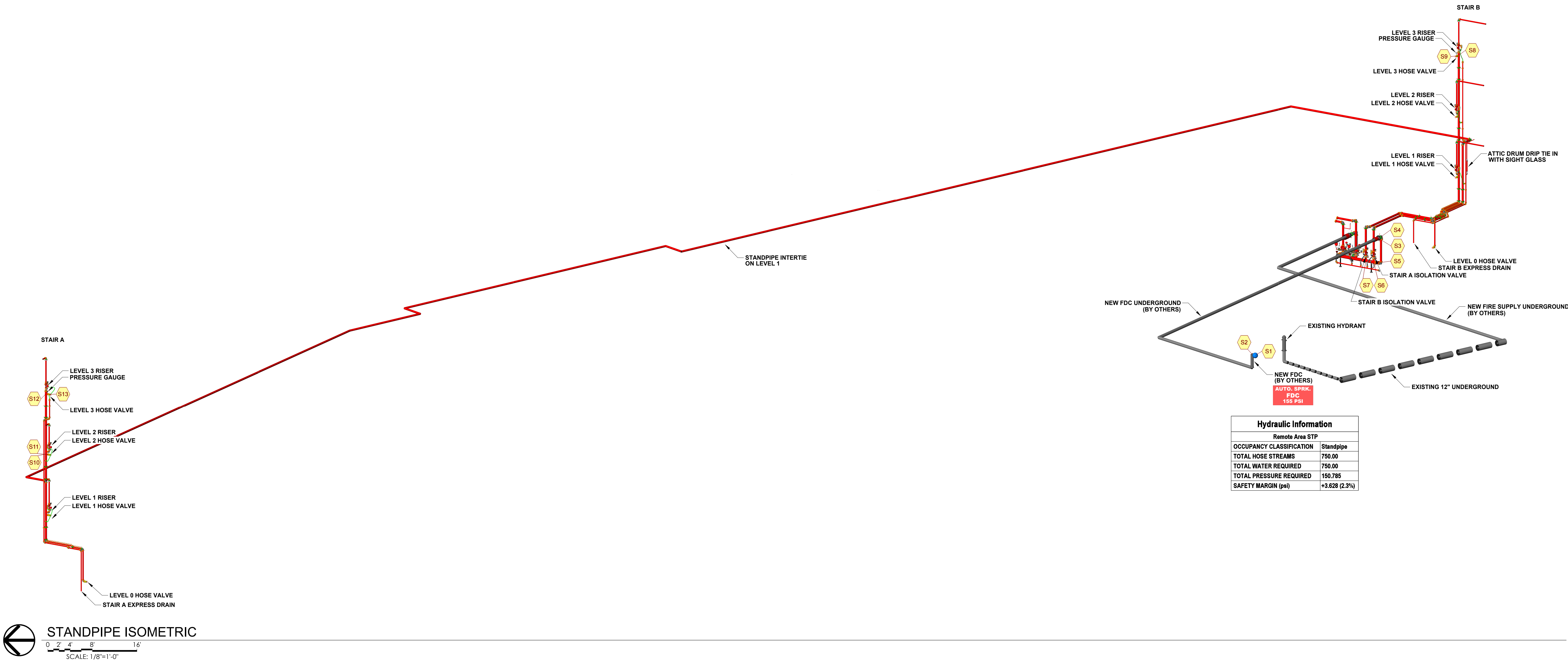
Drawing Title
STANDPIPE ISOMETRIC

Key Plan

Date: September 16, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:

Drawing No.

FP 1.20



SYMBOL LEGEND

- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- HEAT TRACE
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG

RED HAWK
FIRE PROTECTION, LLC

Ever Vigilant

801 VALLEY AVE NW, SUITE D
PUYALLUP, WA 98371
PHONE: (253) 840-9900 FAX: (800) 591-4382
WA CL# REDHAHF901QP

NICET Stamp

Expires 06/30/25

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS

Travis Clifton Kinne
0855-1031-C, Level 3
Red Hawk Fire Protection, LLC
REDHAHF901QP

Signature Date 09/17/2025

Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT

Revisions

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

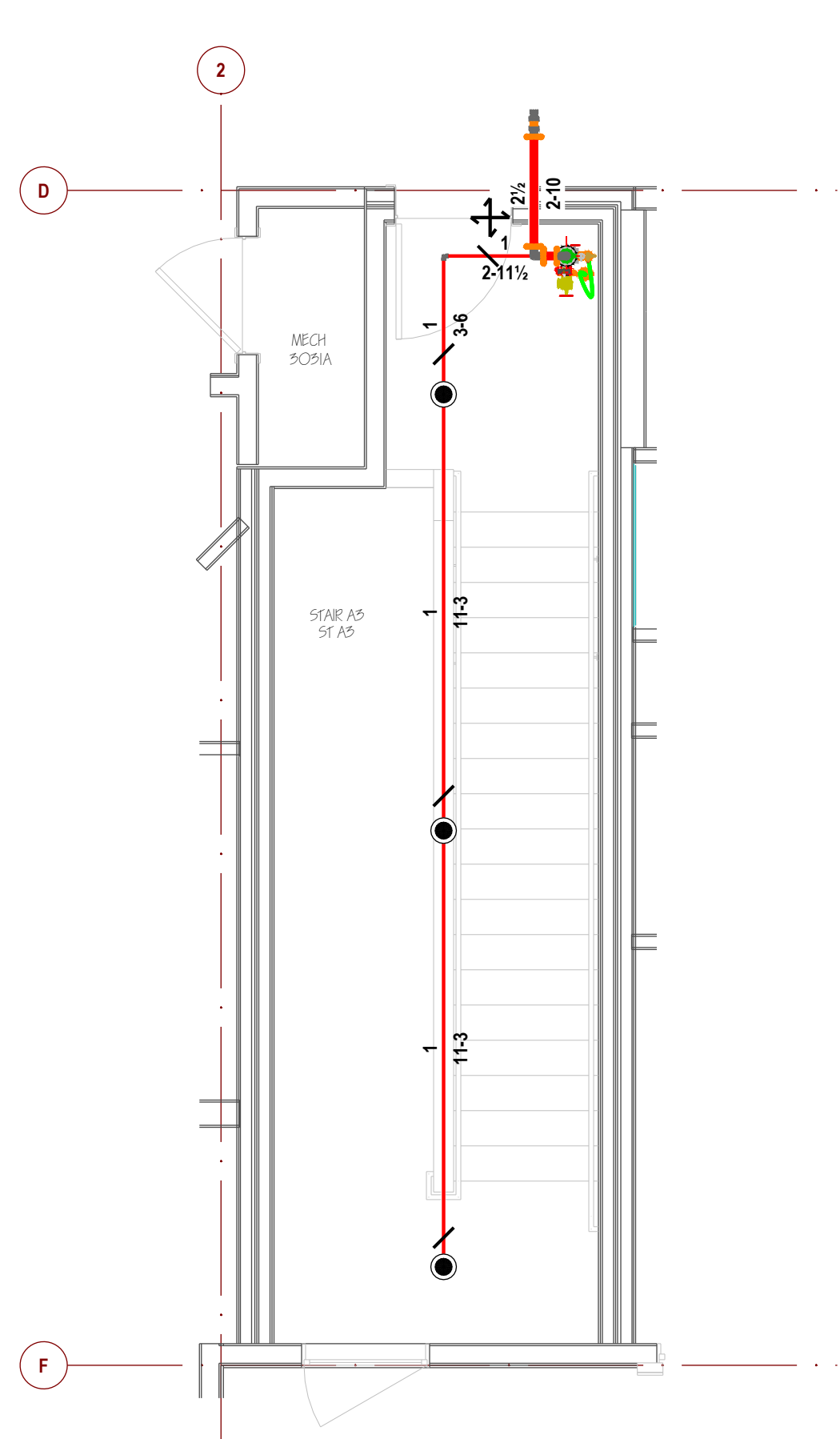
Planning

Engineering

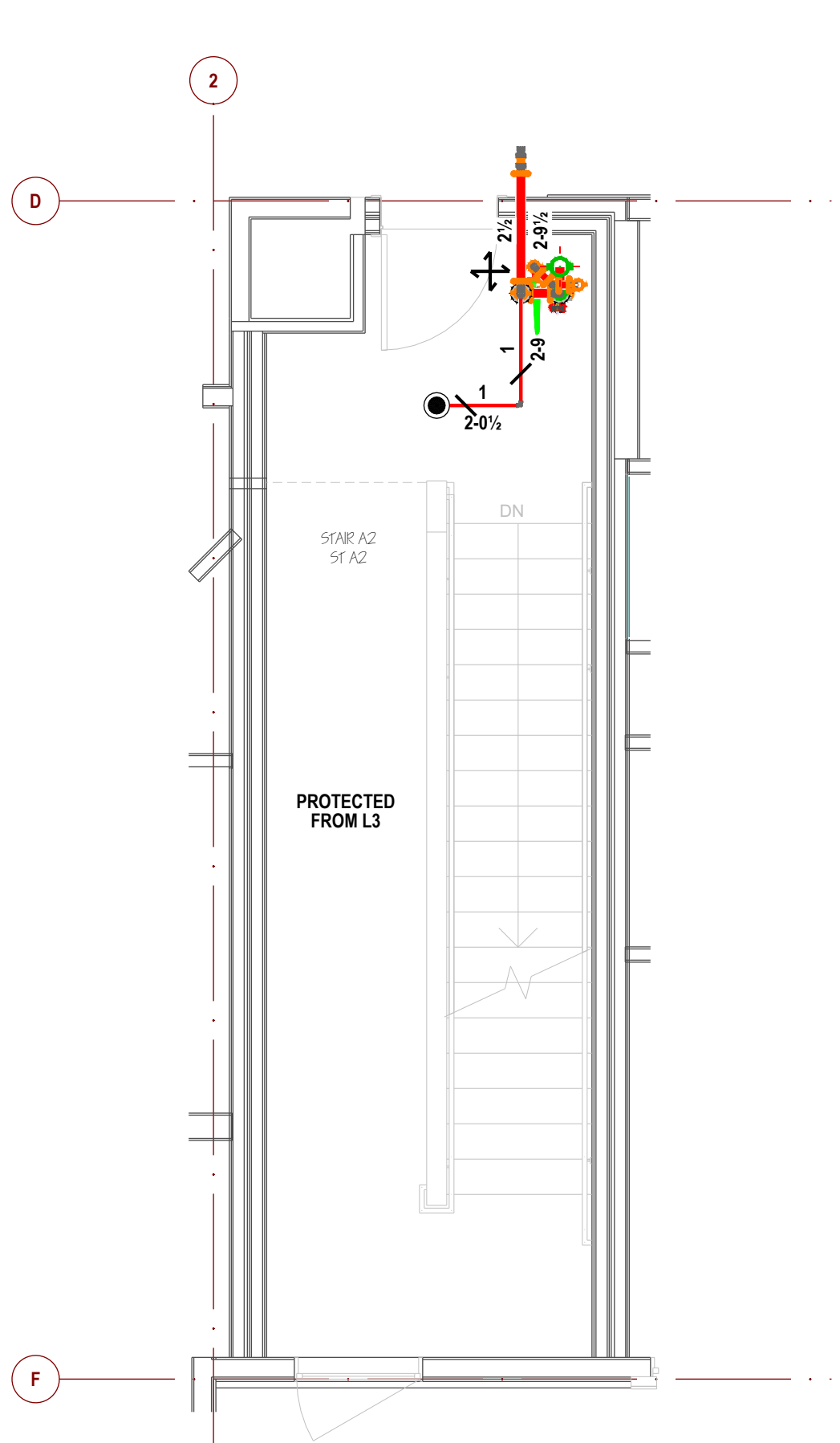
Public Works

Fire

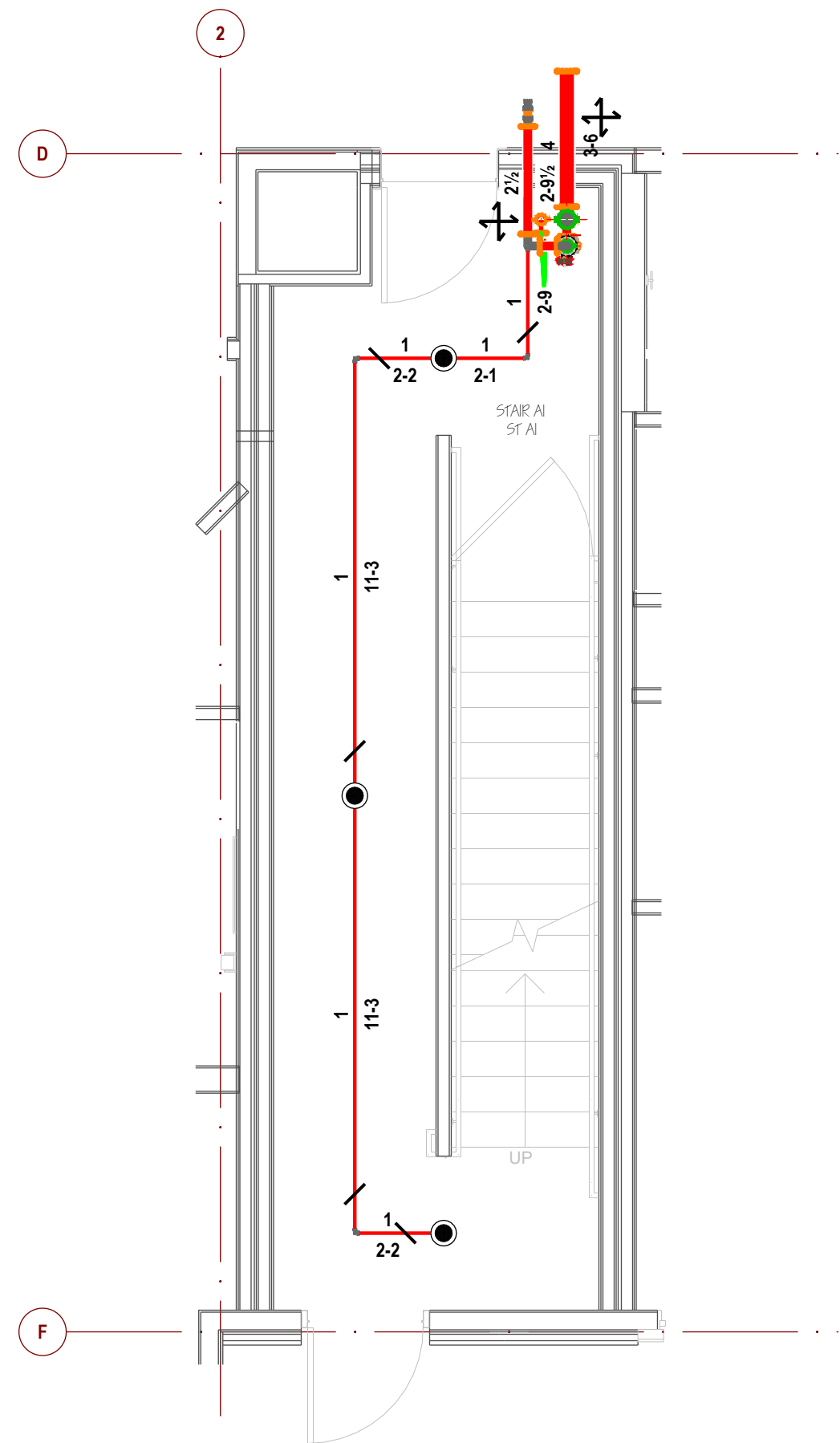
Traffic



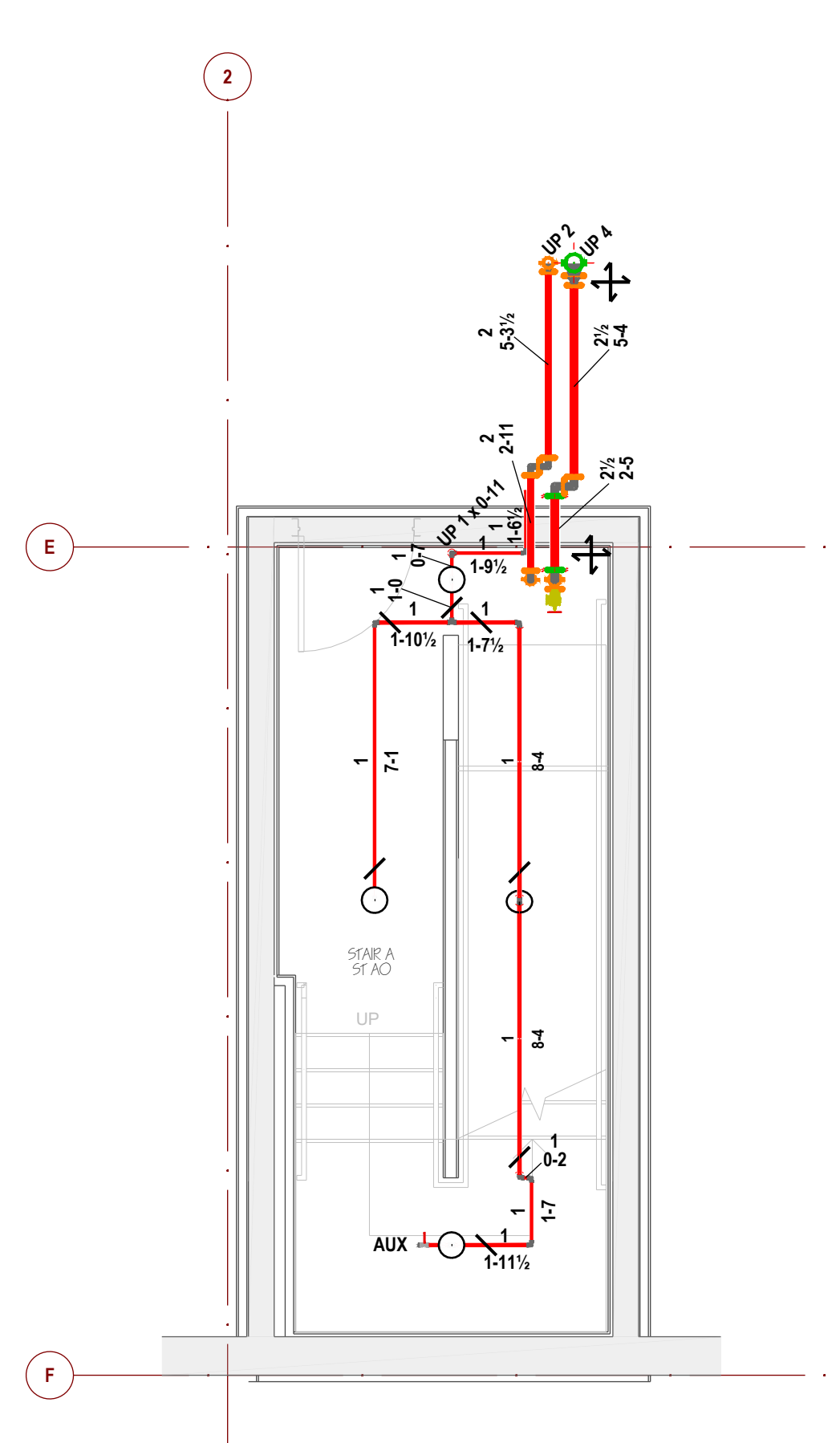
E STAIR A - LEVEL 3
SCALE: 1/4"=1'-0"



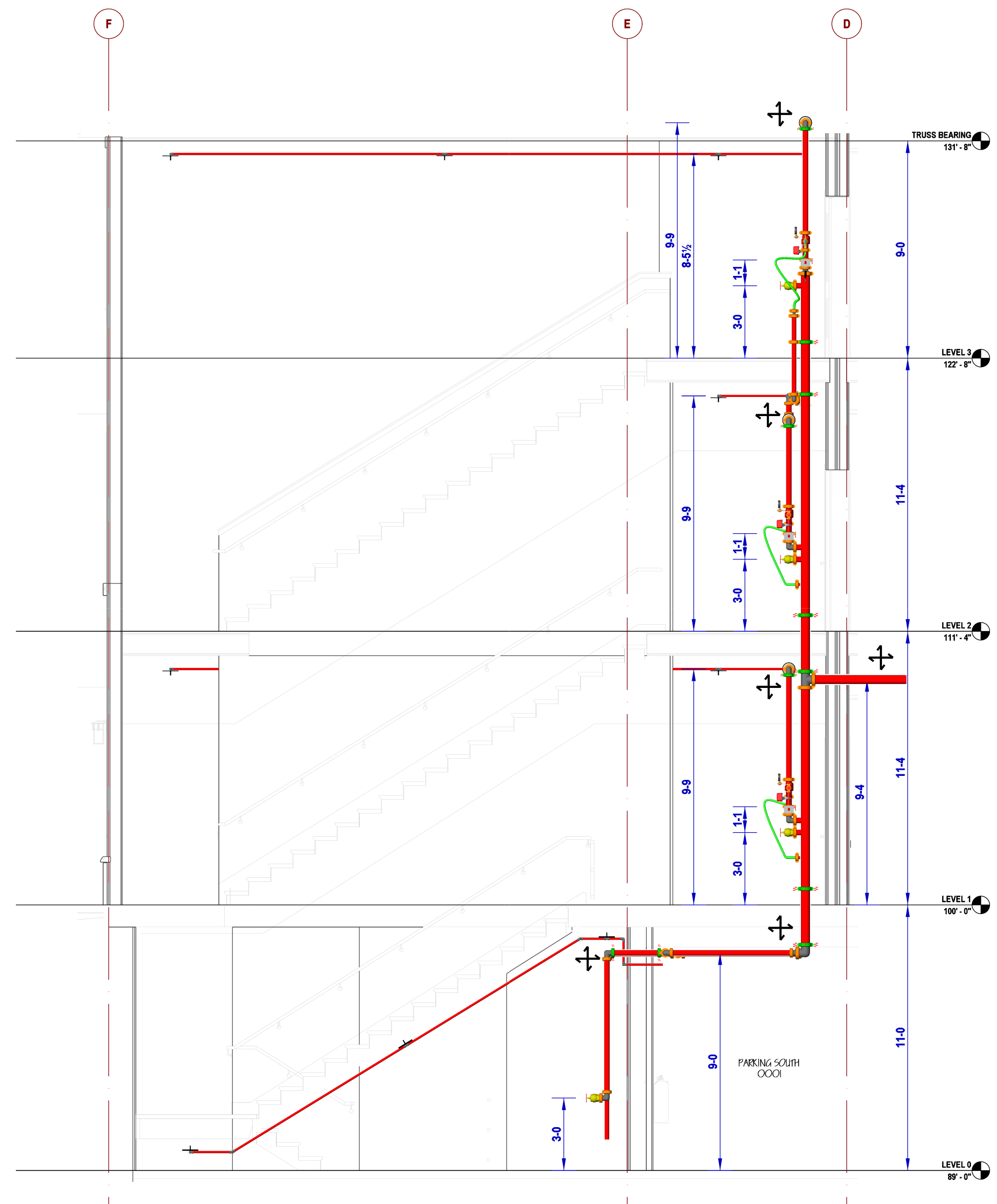
D STAIR A - LEVEL 2
SCALE: 1/4"=1'-0"



C STAIR A - LEVEL 1
SCALE: 1/4"=1'-0"



B STAIR A - LEVEL 0
SCALE: 1/4"=1'-0"



A STAIR A
SCALE: 1/4"=1'-0"

Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email: OGILLI@WALSHCONSTRUCTION.COM

Contract Name:
BRADLEY PARK
PHASE 2

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

Drawing Title
STAIR A STANDPIPE

Key Plan

Date: September 16, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:
Drawing No.

FP 1.21

SYMBOL LEGEND

- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- HEAT TRACE
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG

RED HAWK
FIRE PROTECTION, LLC

Ever Vigilant

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PUYALLUP, WA 98371
PHONE: (253) 840-9900 FAX: (800) 591-4382
WA CL# REDHAHF901QP

NICET Stamp

WASHINGTON STATE
FIRE SPRINKLER SYSTEMS
Travis Clifton Kinn
0855-1021-C Level 3
Red Hawk Fire Protection, LLC
REDHAHF901QP
09/17/2025

Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT

Revisions

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email: OGILL.I@WALSHCONSTRUCTION.COM

Contract Name:
**BRADLEY PARK
PHASE 2**

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

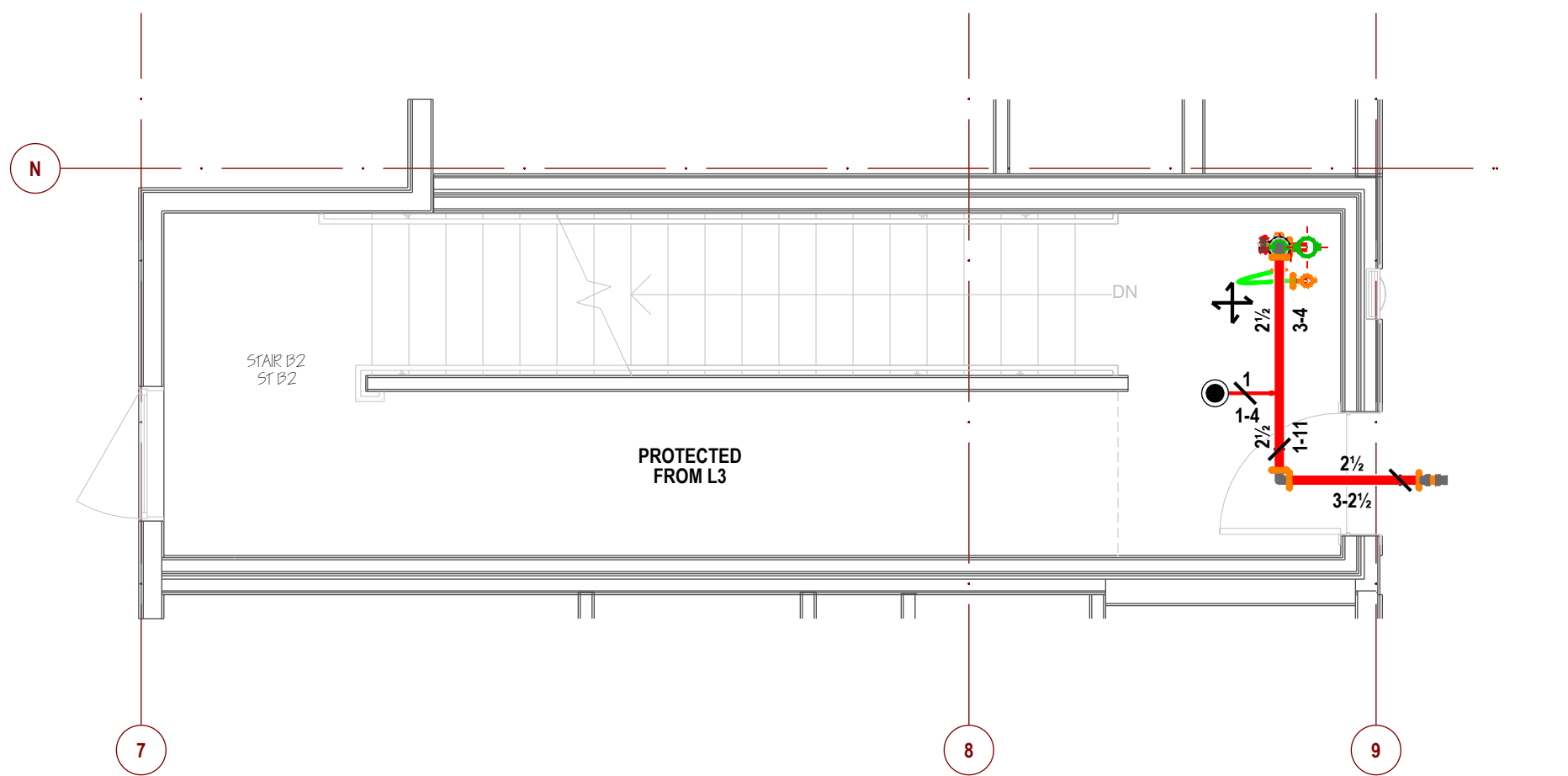
Drawing Title
STAIR B STANDPIPE

Key Plan

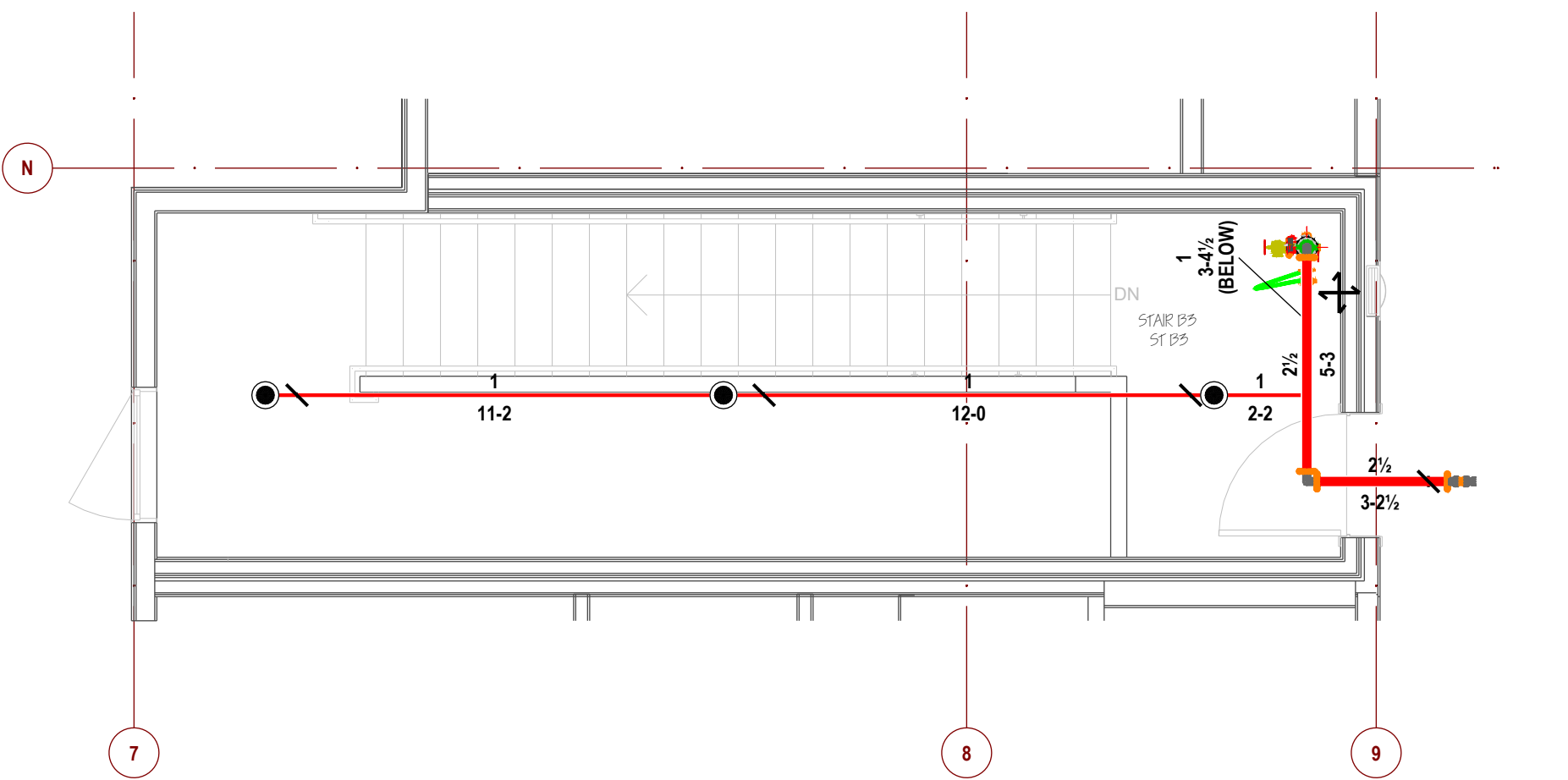
Date: September 16, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:

Drawing No.

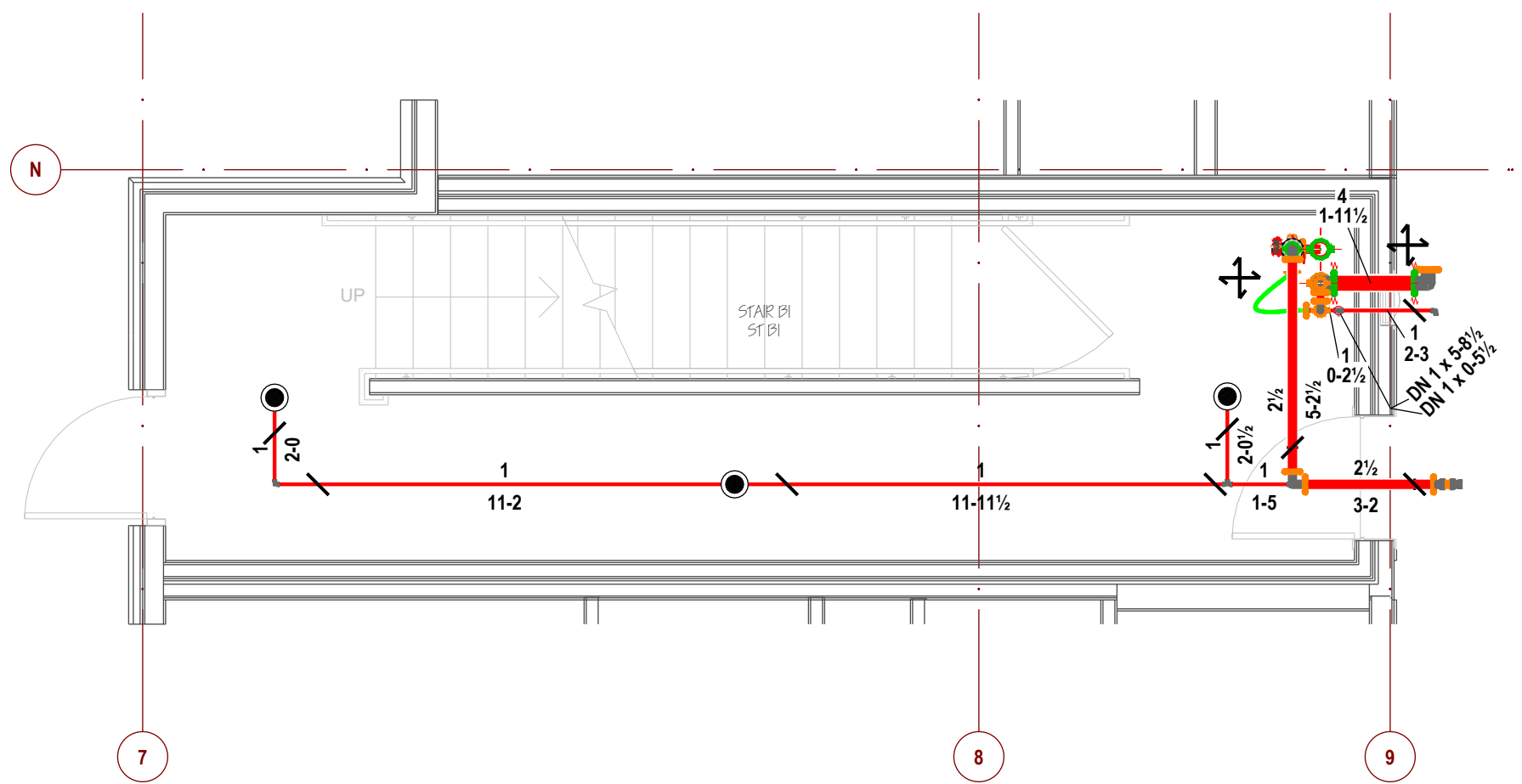
FP 1.22



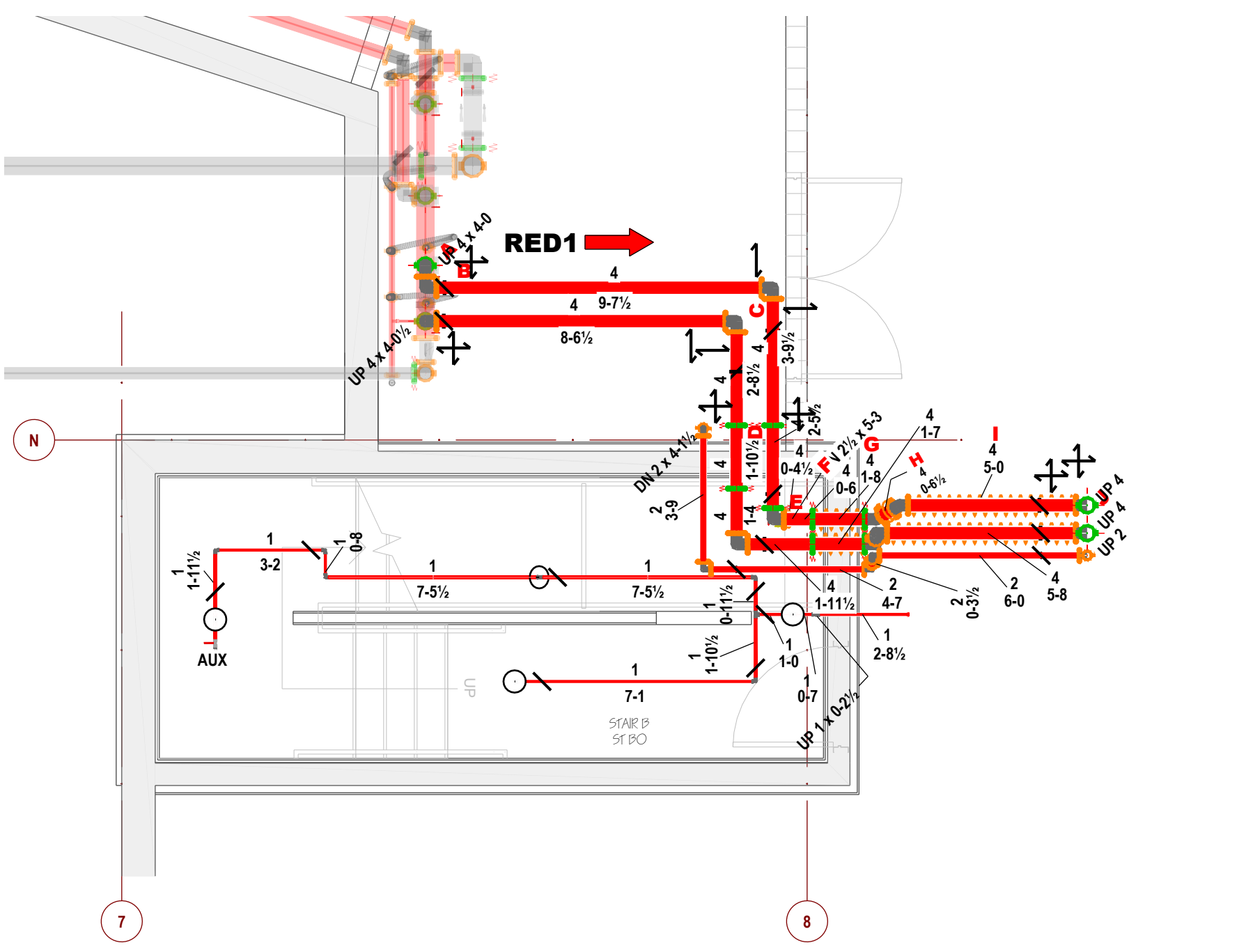
D STAIR B - LEVEL 2
SCALE: 1/4"=1'-0"



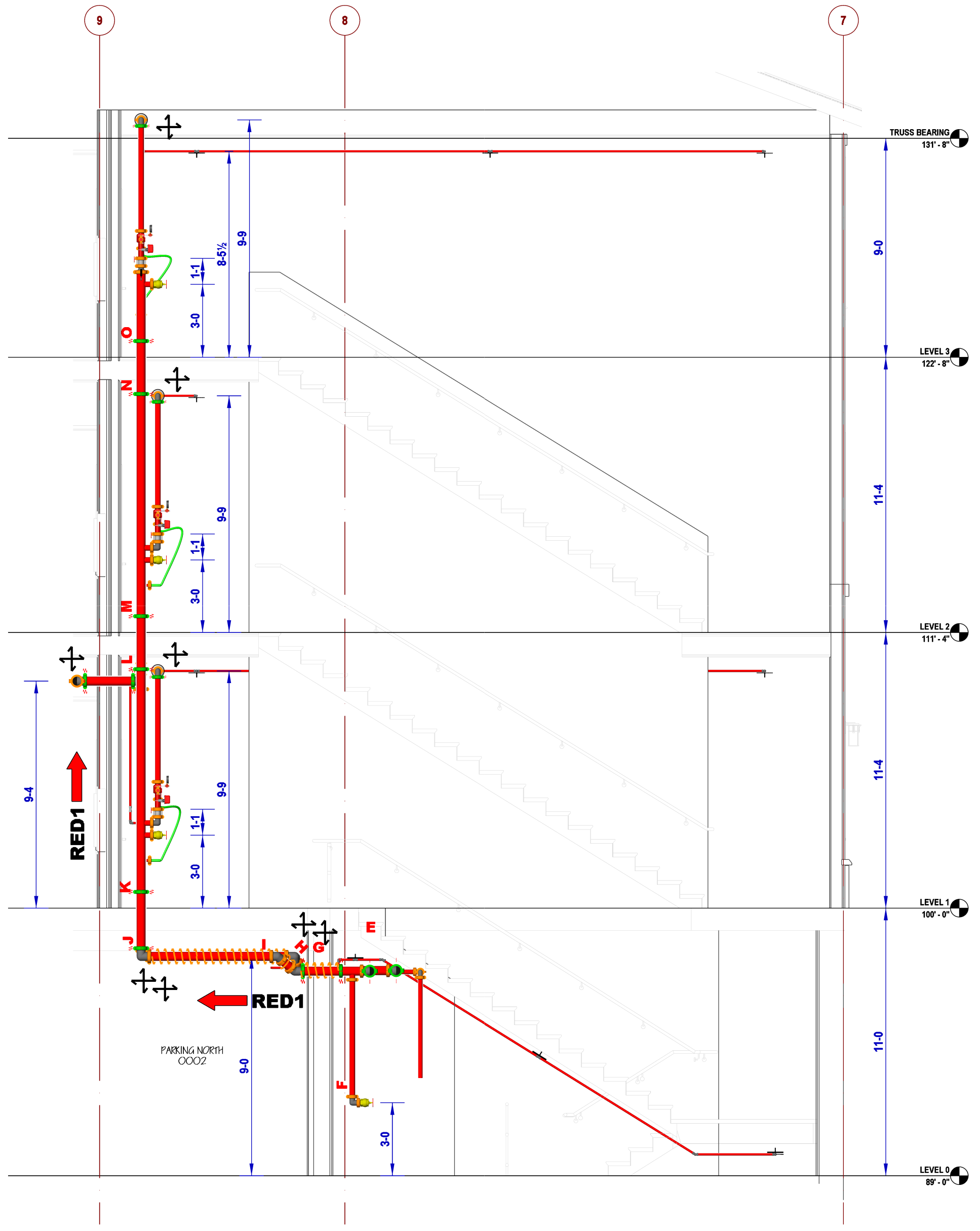
E STAIR B - LEVEL 3
SCALE: 1/4"=1'-0"



C STAIR B - LEVEL 1
SCALE: 1/4"=1'-0"



B STAIR B - LEVEL 0
SCALE: 1/4"=1'-0"



A STAIR B
SCALE: 1/4"=1'-0"

Hydraulic Information	
Remote Area L0-1	
OCCUPANCY CLASSIFICATION	Ordinary Group I
DENSITY (gpm/ft ²)	0.150 for 1950.00ft ² (Actual 2034.92ft ²)
TOTAL HOSE STREAMS	250.00
DRY CAPACITY	445.20gal
TOTAL HEADS FLOWING	10
K-FACTOR	11.2
TOTAL WATER REQUIRED	718.67
TOTAL PRESSURE REQUIRED	57.554
SAFETY MARGIN (psi)	+15.950 (21.7%)
CALCULATED FOR 16 x 16 SPACING	

DESIGN NOTES

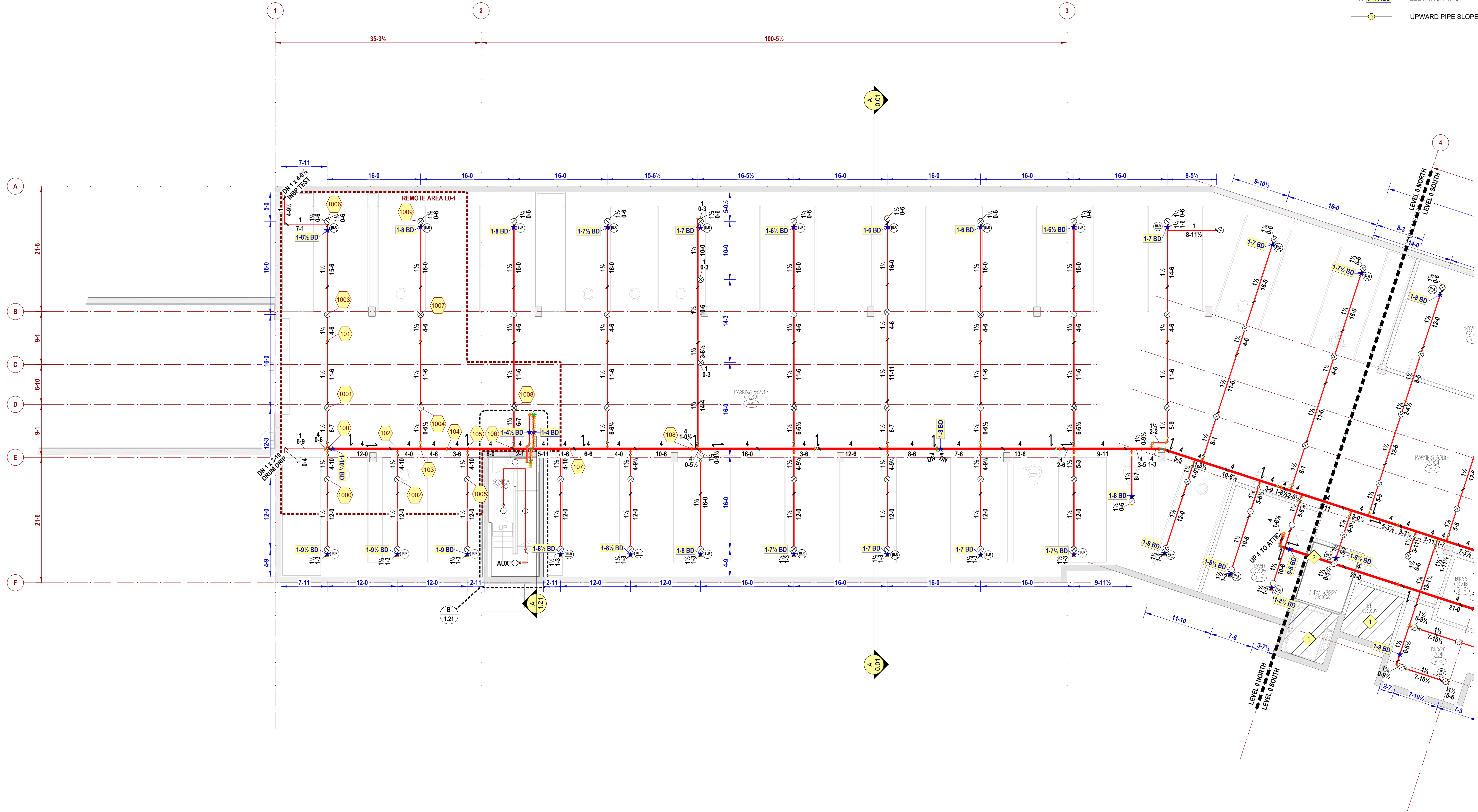
- NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- 4" PIPING IN INSULATION ABOVE SPRINKLER / NOT AN OBSTRUCTION
- NOT USED ON THIS SHEET
- NOT USED ON THIS SHEET
- NOT USED ON THIS SHEET
- NOT USED ON THIS SHEET
- NOT USED ON THIS SHEET

SPRINKLER LEGEND

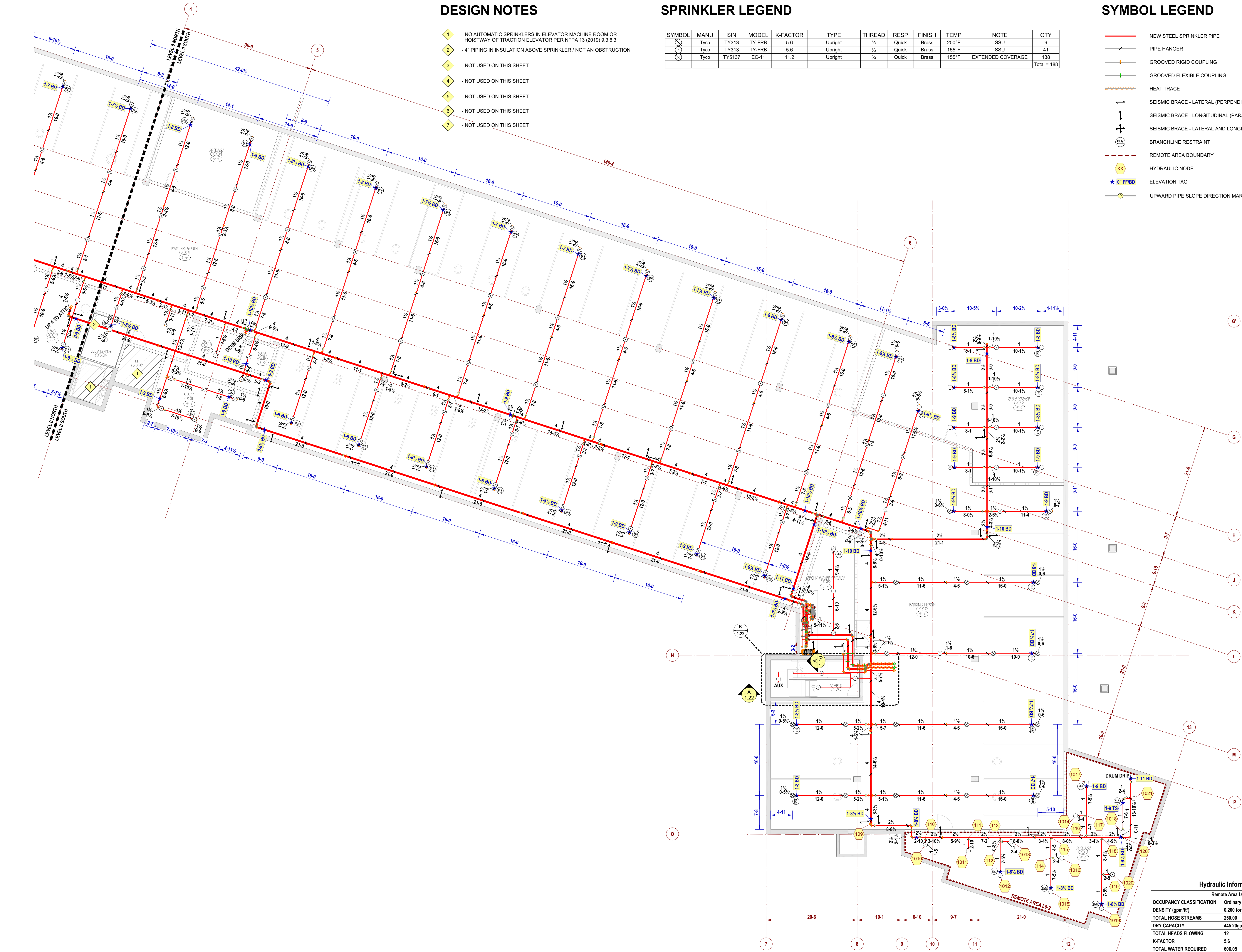
SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Tyco	TY313	TY-FRB	5.6	Upright	1/2"	Quick	Brass	200°F	SSU	9
	Tyco	TY313	TY-FRB	5.6	Upright	1/2"	Quick	Brass	155°F	EXTENDED COVERAGE	41
	Tyco	TY3137	EC-11	11.2	Upright	3/4"	Quick	Brass	155°F	EXTENDED COVERAGE	138
Total = 188											

SYMBOL LEGEND

- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- HEAT TRACE
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER



FIRE SPRINKLER PLAN - L0 NORTH
SCALE: 1/8"=1'-0"



FIRE SPRINKLER PLAN - L0 SOUTH
SCALE: 1/8"=1'-0"

DESIGN NOTES

- 1 - NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- 2 - 4" PIPING IN INSULATION ABOVE SPRINKLER / NOT AN OBSTRUCTION
- 3 - NOT USED ON THIS SHEET
- 4 - NOT USED ON THIS SHEET
- 5 - NOT USED ON THIS SHEET
- 6 - NOT USED ON THIS SHEET
- 7 - NOT USED ON THIS SHEET

SPRINKLER LEGEND

SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	TYco	TY313	TY-FRB	5.6	Upright	1/2"	Quick	Brass	200°F	SSU	9
	TYco	TY313	TY-FRB	5.6	Upright	1/2"	Quick	Brass	155°F	EXTENDED COVERAGE	138
	TYco	TY313	TY-FRB	5.6	Upright	1/2"	Quick	Brass	155°F	EXTENDED COVERAGE	138
Total = 188											

SYMBOL LEGEND

- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- HEAT TRACE
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- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER

Hydraulic Information	
Remote Area L0-2	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft)	0.200 for 1950.00ft ² (Actual 1034.16ft ²)
TOTAL HOSE STREAMS	250.00
DRY CAPACITY	445.20gal
TOTAL HEADS FLOWING	12
K-FACTOR	5.6
TOTAL WATER REQUIRED	606.05
TOTAL PRESSURE REQUIRED	68.703
SAFETY MARGIN (psi)	+5.748 (7.7%)
REMOTE AREA COVERS ENTIRE OH2 AREA	

RED HAWK
FIRE PROTECTION, LLC

Ever Vigilant

801 VALLEY AVE NW, SUITE D
PUYALLUP, WA 98371
PHONE: (253) 840-9900 FAX: (800) 591-4382
WA CL# REDHAF901QP

NICET Stamp

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS
Travis Olfon Kinn
0855-1021-C, Level 3
Red Hawk Fire Protection, LLC
REDHAF901QP
08/17/2025

Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT

Revisions

City of Puyallup Development & Permitting Services ISSUED PERMIT	Planning
Building	Public Works
Engineering	Traffic
Fire	

Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
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Email: OGILL@WALSHCONSTRUCTION.COM

Contract Name:
**BRADLEY PARK
PHASE 2**

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

Drawing Title
**L0 SOUTH - FIRE
SPRINKLER PLAN**

Key Plan

Date: September 17, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:
Drawing No.

FP 2.02

LIGHTING LEGEND

TAG	HEIGHT	WIDTH	DESCRIPTION	SUSPENDED?	MIN DISTANCE FROM LIGHT
U2	11"	20"	ASHLAND - QF1202SWT	NO	3'-0" (FAN BOX PROVIDED)
U3	20"	18"	MAXIM - DEVON - 20033S	YES >18"	NONE
U5	7.5"	4"	MAXIM - DEVON - 90030S	YES >18"	NONE
B2	13.75"	20"	QUOIZEL - BRO1720MK	NO	3'-0" (FAN BOX PROVIDED)
B4	9.5"	20"	QUOIZEL - SLR1720	NO	3'-0"
B6	3.8"	VARIES	LIGHTLOGY TLC813004	YES >18"	NONE
B8	18"	VARIES	KICHLER - TRIAD 42548	YES >18"	NONE
B9	9.5"	48"	LIGHTLOGY - GHOST - ILEX240	YES >18"	NONE
M	4"	48"	METALUX - PDR102170-4SWLED	NO	2'-0"
ALL LIGHTS NOT LISTED ABOVE TO BE RECESSED STYLE - MIN 6" FROM LIGHT					

DESIGN NOTES

- NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- NOT USED ON THIS SHEET
- 4" STANDPIPE AND 2 1/2" FLOOR CONTROL
- NO AUTOMATIC SPRINKLERS IN BATHROOMS UNDER 55 SQ FT PER NFPA 13 (2019) 9.2.4.1.1
- NOT USED ON THIS SHEET
- NOT USED ON THIS SHEET
- CONNECTION TO TRASH CHUTE

CEILING LEGEND

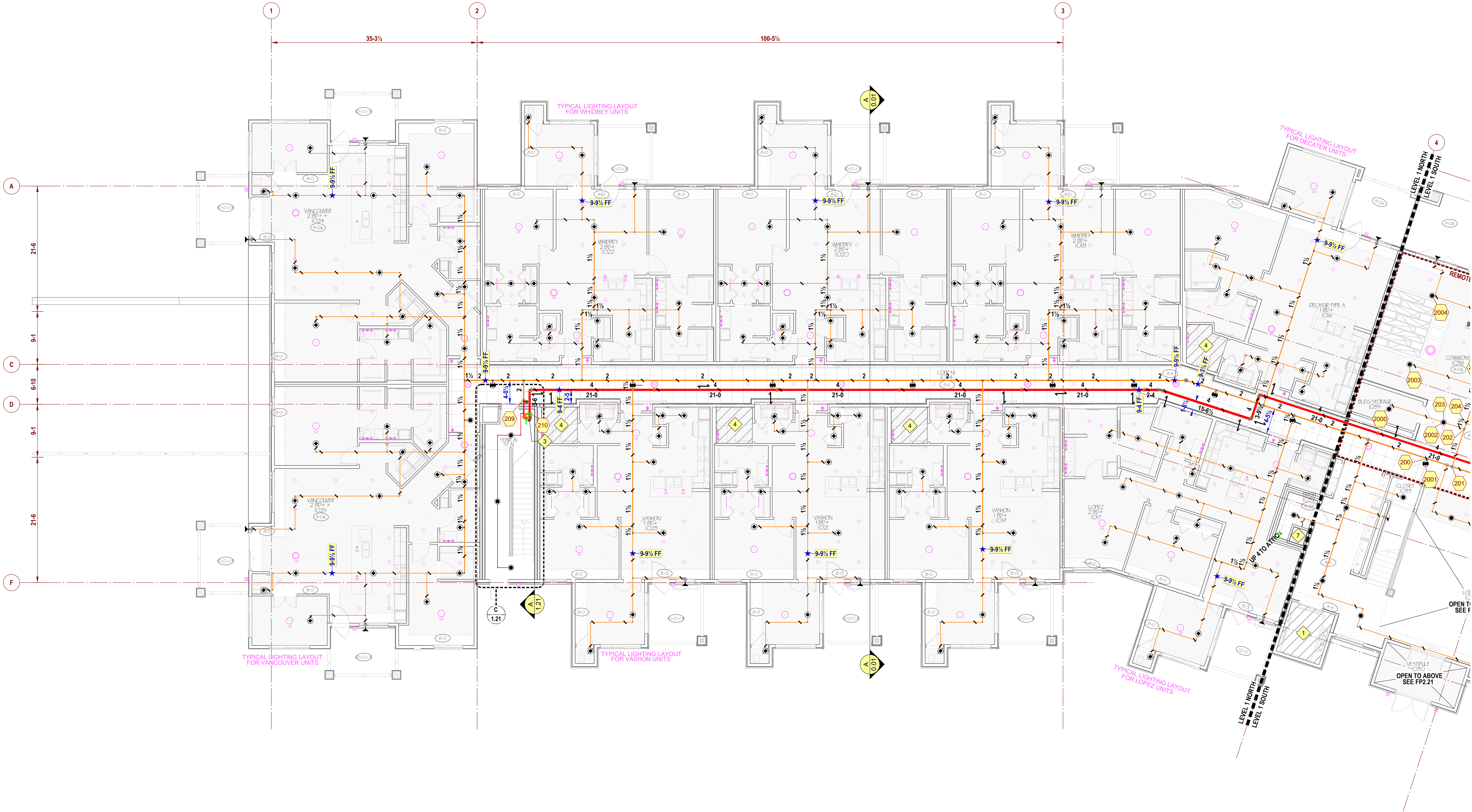
- OPEN TO STRUCTURE ABOVE
- ACT CEILING BELOW DECK
- QWB CEILING BELOW DECK
- QWB ATTACHED TO BOTTOM OF JOISTS

SPRINKLER LEGEND

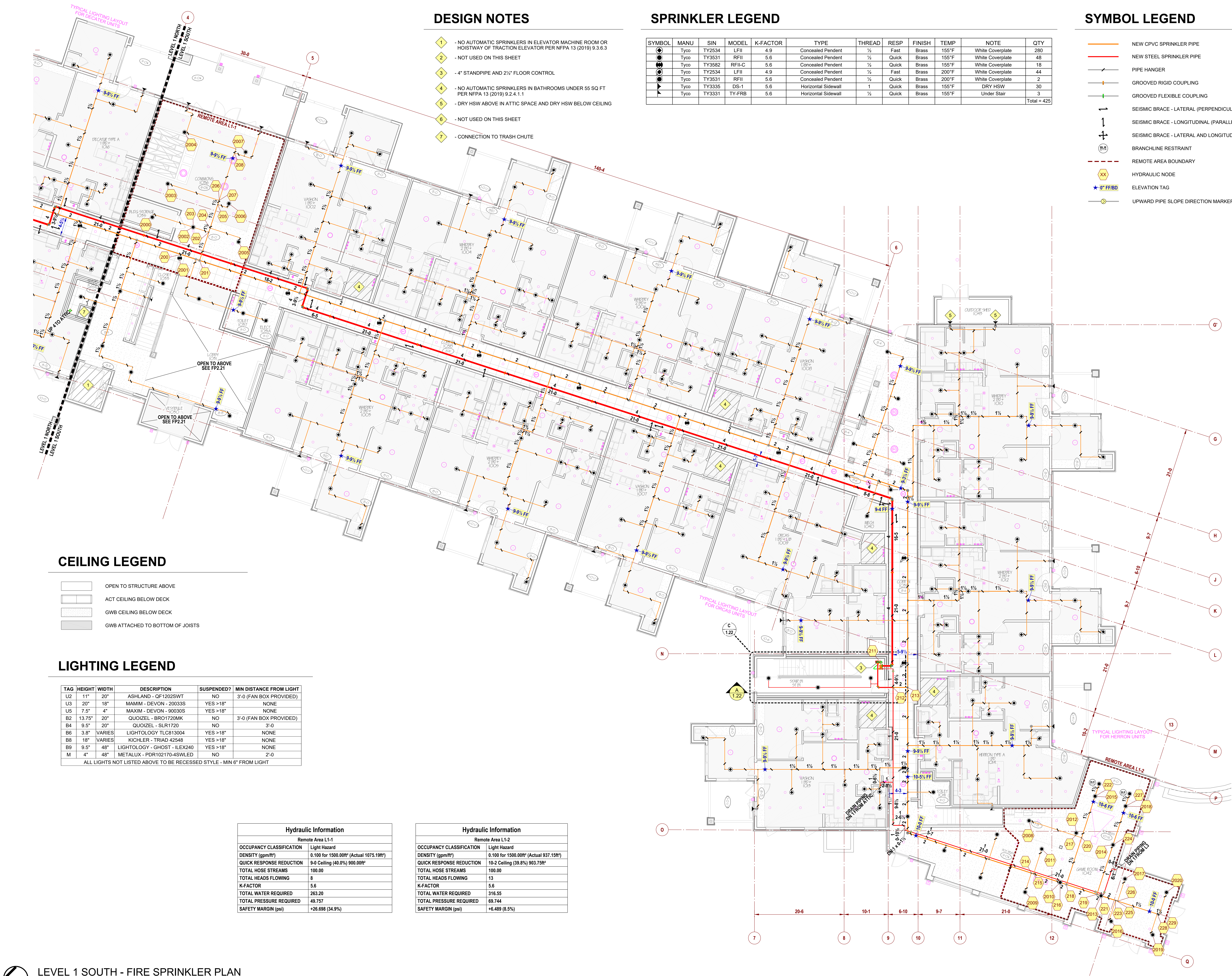
SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2	Fast	Brass	155°F	White Coverplate	280
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2	Quick	Brass	155°F	White Coverplate	48
	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2	Quick	Brass	155°F	White Coverplate	18
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2	Fast	Brass	200°F	White Coverplate	44
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2	Quick	Brass	200°F	White Coverplate	2
	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1	Quick	Brass	155°F	DRY HSW	30
	Tyco	TY3331	TY-FRB	5.6	Horizontal Sidewall	1/2	Quick	Brass	155°F	Under Stair	3
Total = 425											

SYMBOL LEGEND

- NEW CPVC SPRINKLER PIPE
- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER



LEVEL 1 NORTH - FIRE SPRINKLER PLAN
SCALE: 1/8"=1'-0"



LIGHTING LEGEND

TAG	HEIGHT	WIDTH	DESCRIPTION	SUSPENDED?	MIN DISTANCE FROM LIGHT
U2	11"	20"	ASHLAND - QF1202SWT	NO	3'-0" (FAN BOX PROVIDED)
U3	20"	18"	MAXIM - DEVON - 20033S	YES >18"	NONE
U5	7.5"	4"	MAXIM - DEVON - 90030S	YES >18"	NONE
B2	13.75"	20"	QUOIZEL - BRO1720MK	NO	3'-0" (FAN BOX PROVIDED)
B4	9.5"	20"	QUOIZEL - SLR1720	NO	3'-0"
B6	3.8"	VARIES	LIGHTLOGY TLC813004	YES >18"	NONE
B8	18"	VARIES	KICHLER - TRIAD 42548	YES >18"	NONE
B9	9.5"	48"	LIGHTLOGY - GHOST - ILEX240	YES >18"	NONE
M	4"	48"	METALUX - PDR102170-4SWLED	NO	2'-0"
ALL LIGHTS NOT LISTED ABOVE TO BE RECESSED STYLE - MIN 6" FROM LIGHT					

DESIGN NOTES

- 1 - NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- 2 - NOT USED ON THIS SHEET
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- 5 - NOT USED ON THIS SHEET
- 7 - NOT USED ON THIS SHEET
- 6 - NOT USED ON THIS SHEET

SPRINKLER LEGEND

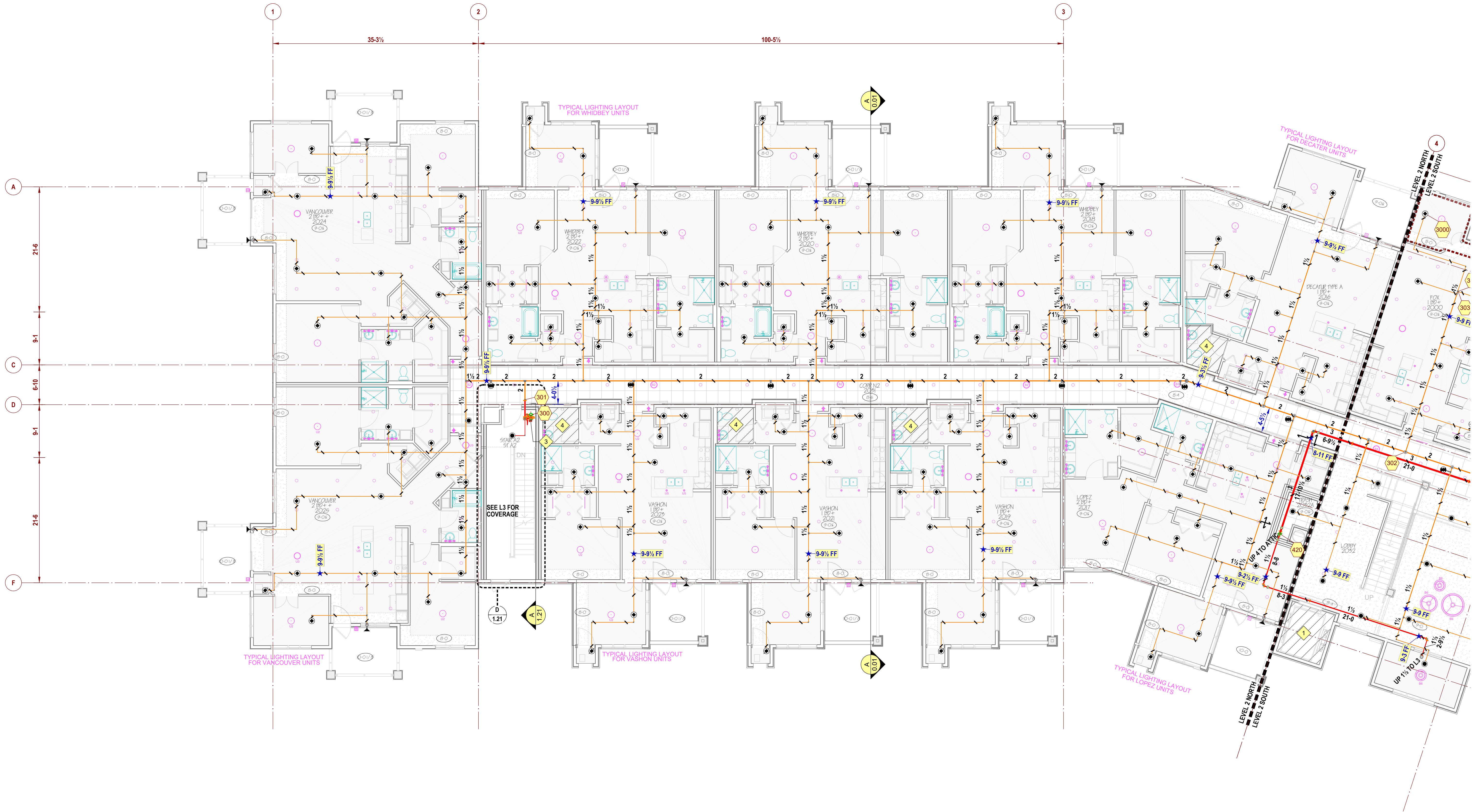
SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
●	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	200°F	White Coverplate	3
●	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	24
●	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	11
●	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Fast	Brass	200°F	White Coverplate	46
●	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	291
●	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	3
●	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	DRY HSW	24
●	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	14
●	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	DRY HSW	1
Total = 417											

SYMBOL LEGEND

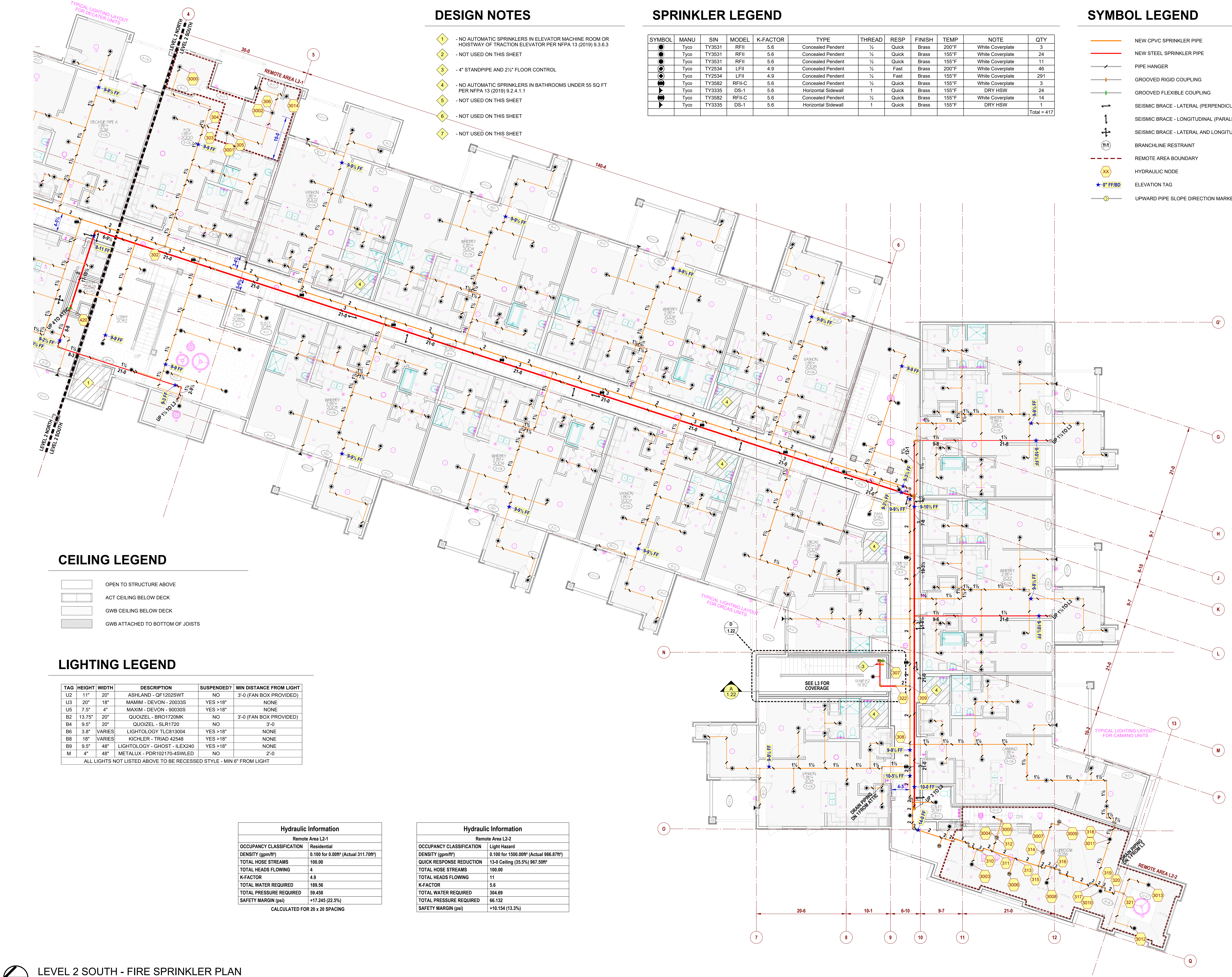
- NEW CPVC SPRINKLER PIPE
- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER

CEILING LEGEND

- OPEN TO STRUCTURE ABOVE
- ACT CEILING BELOW DECK
- GWB CEILING BELOW DECK
- GWB ATTACHED TO BOTTOM OF JOISTS



LEVEL 2 NORTH - FIRE SPRINKLER PLAN
0 2' 4' 8' 16'
SCALE: 1/8"=1'-0"



LIGHTING LEGEND

TAG	HEIGHT	WIDTH	DESCRIPTION	SUSPENDED?	MIN DISTANCE FROM LIGHT
U2	11"	20"	ASHLAND - QF1202SWT	NO	3'-0" (FAN BOX PROVIDED)
U3	20"	18"	MAXIM - DEVON - 20033S	YES >18"	NONE
U5	7.5"	4"	MAXIM - DEVON - 90030S	YES >18"	NONE
B2	13.75"	20"	QUOIZEL - BR01720MK	NO	3'-0" (FAN BOX PROVIDED)
B4	9.5"	20"	QUOIZEL - SLR1720	NO	3'-0"
B6	3.8"	VARIES	LIGHTOLOGY TLC813004	YES >18"	NONE
B8	18"	VARIES	KICHLER - TRIAD 42548	YES >18"	NONE
B9	9.5"	48"	LIGHTOLOGY - GHOST - ILEX240	YES >18"	NONE
M	4"	48"	METALUX - PDR102170-4SWLED	NO	2'-0"
ALL LIGHTS NOT LISTED ABOVE TO BE RECESSED STYLE - MIN 6" FROM LIGHT					

DESIGN NOTES

- NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- NOT USED ON THIS SHEET
- 4" STANDPIPE AND 2 1/2" FLOOR CONTROL
- NO AUTOMATIC SPRINKLERS IN BATHROOMS UNDER 55 SQ FT PER NFPA 13 (2019) 9.2.4.1.1
- NOT USED ON THIS SHEET
- NO AUTOMATIC SPRINKLERS - PATIO OPEN TO AIR
- CONNECTION TO TRASH CHUTE

SPRINKLER LEGEND

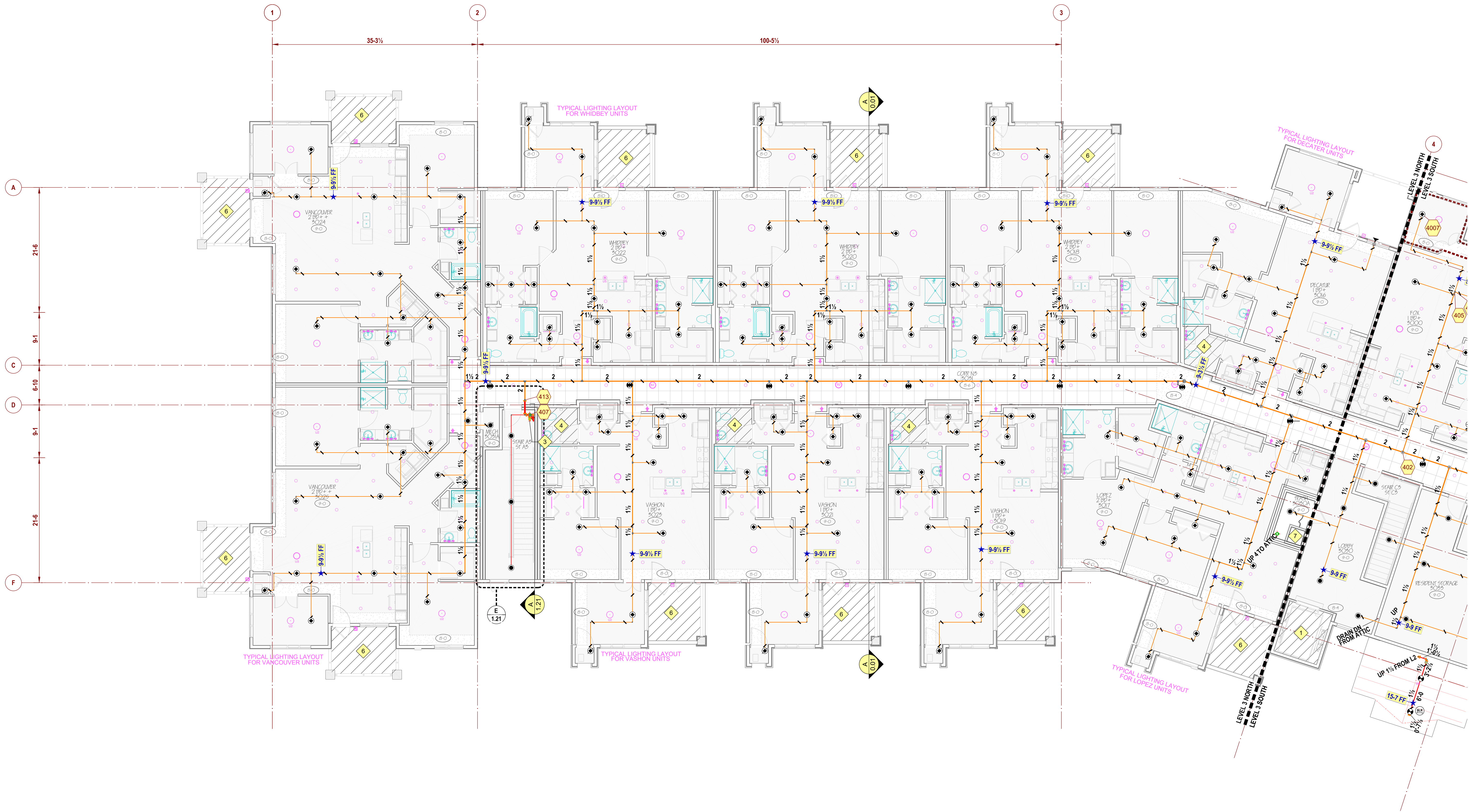
SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Fast	Brass	155°F	White Coverplate	272
	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	10
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Fast	Brass	200°F	White Coverplate	44
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	22
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	200°F	White Coverplate	4
	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	7
	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	White Coverplate	7
	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	White Coverplate	1
	Victaulic	V5621	FL-SA/DS	5.6	Upright	1/2"	Quick	Brass	200°F	SINGLE DIRECTION / HIP	10
	Victaulic	V5620	FL-SA/RE	5.6	Upright	1/2"	Quick	Brass	200°F	PEAK	22
Total = 399											

SYMBOL LEGEND

- NEW CPVC SPRINKLER PIPE
- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER

CEILING LEGEND

- OPEN TO STRUCTURE ABOVE
- ACT CEILING BELOW DECK
- GWB CEILING BELOW DECK
- GWB ATTACHED TO BOTTOM OF JOISTS



LEVEL 3 NORTH - FIRE SPRINKLER PLAN
SCALE: 1/8"=1'-0"



DESIGN NOTES

- 1 - NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- 2 - NOT USED ON THIS SHEET
- 3 - 4" STANDPIPE AND 2 1/2" FLOOR CONTROL
- 4 - NO AUTOMATIC SPRINKLERS IN BATHROOMS UNDER 55 SQ FT PER NFPA 13 (2019) 9.2.4.1.1
- 5 - NOT USED ON THIS SHEET
- 6 - NO AUTOMATIC SPRINKLERS - PATIO OPEN TO AIR

SPRINKLER LEGEND

SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Fast	Brass	155°F	White Coverplate	272
	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	10
	Tyco	TY2534	LFII	4.9	Concealed Pendant	1/2"	Fast	Brass	200°F	White Coverplate	44
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	22
	Tyco	TY3531	RFII	5.6	Concealed Pendant	1/2"	Quick	Brass	200°F	White Coverplate	4
	Tyco	TY3582	RFII-C	5.6	Concealed Pendant	1/2"	Quick	Brass	155°F	White Coverplate	7
	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	White Coverplate	7
	Tyco	TY3335	DS-1	5.6	Horizontal Sidewall	1"	Quick	Brass	155°F	White Coverplate	1
	Victaulic	V5621	FL-SA/RE	5.6	Upright	1/2"	Quick	Brass	200°F	DRY HSW	1
	Victaulic	V5621	FL-SA/RE	5.6	Upright	1/2"	Quick	Brass	200°F	SINGLE DIRECTION / HIP PEAK	22
Total = 399											

SYMBOL LEGEND

- NEW CPVC SPRINKLER PIPE
- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER

CEILING LEGEND

- OPEN TO STRUCTURE ABOVE
- ACT CEILING BELOW DECK
- GWB CEILING BELOW DECK
- GWB ATTACHED TO BOTTOM OF JOISTS

LIGHTING LEGEND

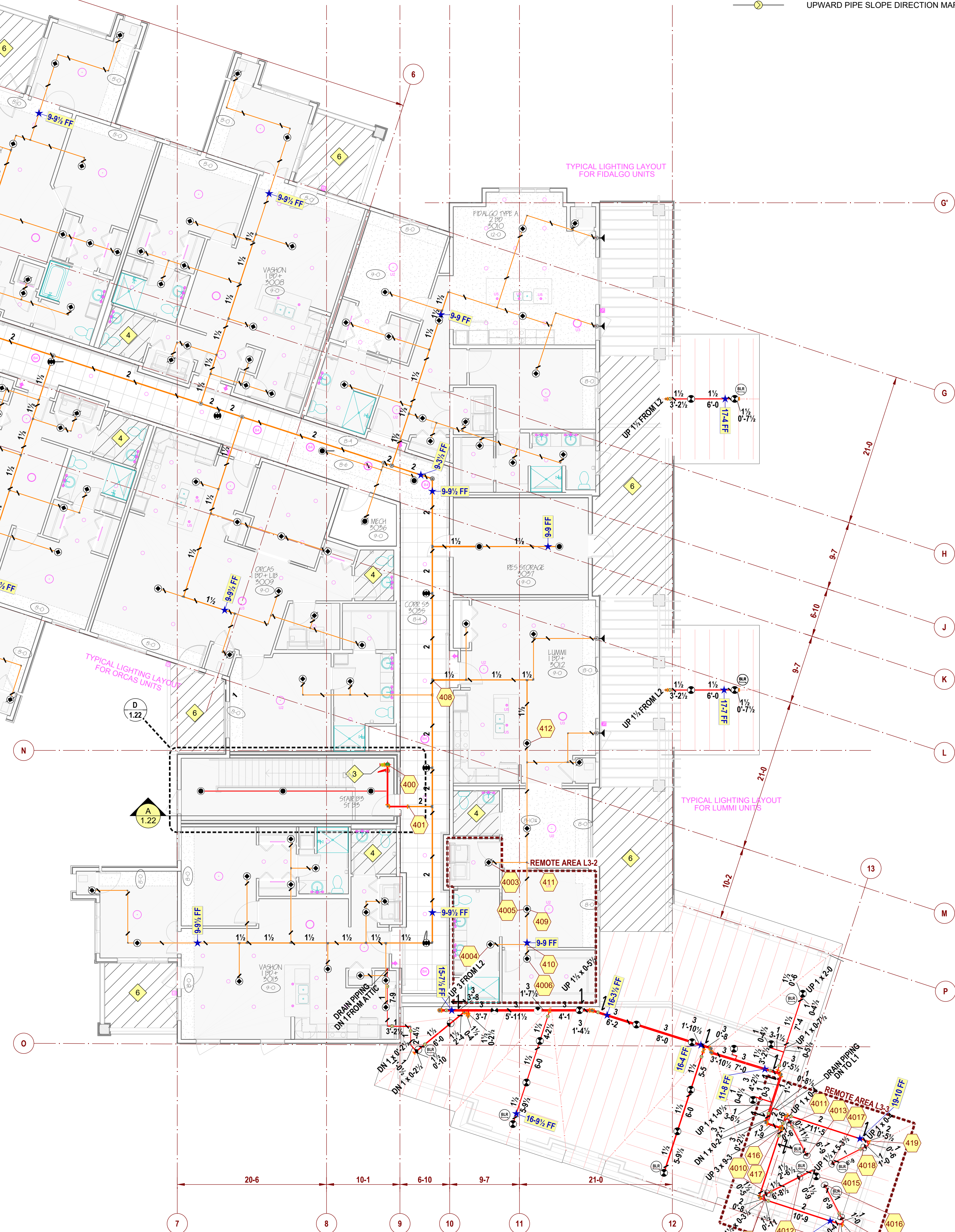
TAG	HEIGHT	WIDTH	DESCRIPTION	SUSPENDED?	MIN DISTANCE FROM LIGHT
U2	11"	20"	ASHLAND - QF1202SWT	NO	3'-0" (FAN BOX PROVIDED)
U3	20"	18"	MAMIM - DEVON - 20033S	YES >18"	NONE
U5	7.5"	4"	MAXIM - DEVON - 90030S	YES >18"	NONE
B2	13.75"	20"	QUOIZEL - BRO1720MK	NO	3'-0" (FAN BOX PROVIDED)
B4	9.5"	20"	QUOIZEL - SLR1720	NO	3'-0"
B6	3.8"	VARIES	LIGHTLOGY TLC813004	YES >18"	NONE
B8	18"	VARIES	KICHLER - TRIAD 42548	YES >18"	NONE
B9	9.5"	48"	LIGHTLOGY - GHOST - ILEX240	YES >18"	NONE
M	4"	48"	METALUX - PDR102170-4SWLED	NO	2'-0"

ALL LIGHTS NOT LISTED ABOVE TO BE RECESSED STYLE - MIN 6" FROM LIGHT

Hydraulic Information	
Remote Area L3-1	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft ²)	0.100 for 0.00ft ² (Actual 314.46ft ²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	189.56
TOTAL PRESSURE REQUIRED	64.168
SAFETY MARGIN (psi)	+12.535 (16.3%)
CALCULATED FOR 20 x 20 SPACING	

Hydraulic Information	
Remote Area L3-2	
OCCUPANCY CLASSIFICATION	Residential
DENSITY (gpm/ft ²)	0.100 for 0.00ft ² (Actual 390.61ft ²)
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	4
K-FACTOR	4.9
TOTAL WATER REQUIRED	184.45
TOTAL PRESSURE REQUIRED	70.342
SAFETY MARGIN (psi)	+6.375 (8.3%)
CALCULATED FOR 20 x 20 SPACING	

Hydraulic Information	
Remote Area L3-3	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft ²)	0.100 for 1950.00ft ² (Actual 453.61ft ²)
TOTAL HOSE STREAMS	100.00
DRY CAPACITY	1216.46gal
TOTAL HEADS FLOWING	9
K-FACTOR	5.6
TOTAL WATER REQUIRED	300.15
TOTAL PRESSURE REQUIRED	72.208
SAFETY MARGIN (psi)	+4.087 (5.4%)

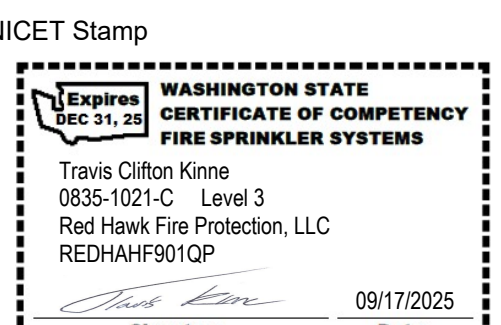
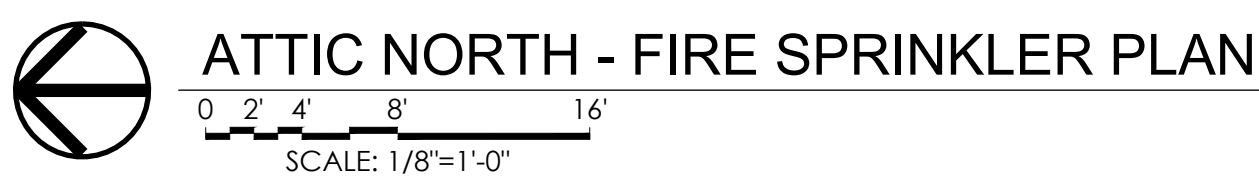


OVERFRAMING
CATWALK

1	- NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
2	- NOT USED ON THIS SHEET
3	- NOT USED ON THIS SHEET
4	- NOT USED ON THIS SHEET
5	- NOT USED ON THIS SHEET
6	- NOT USED ON THIS SHEET
7	- NOT USED ON THIS SHEET

SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Victaulic	V5620	FL-SA/RE	5.6	Upright	1/2"	Quick	Brass	200°F	PEAK	170
	Victaulic	V5621	FL-SA/DS	5.6	Upright	1/2"	Quick	Brass	200°F	SINGLE DIRECTION / HIP	124
											Total = 294

	NEW STEEL SPRINKLER PIPE
	PIPE HANGER
	GROOVED RIGID COUPLING
	GROOVED FLEXIBLE COUPLING
	SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
	SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
	SEISMIC BRACE - LATERAL AND LONGITUDINAL
	BRANCHLINE RESTRAINT
	REMOTE AREA BOUNDARY
	HYDRAULIC NODE
	ELEVATION TAG
	UPWARD PIPE SLOPE DIRECTION MARKER



Revisions

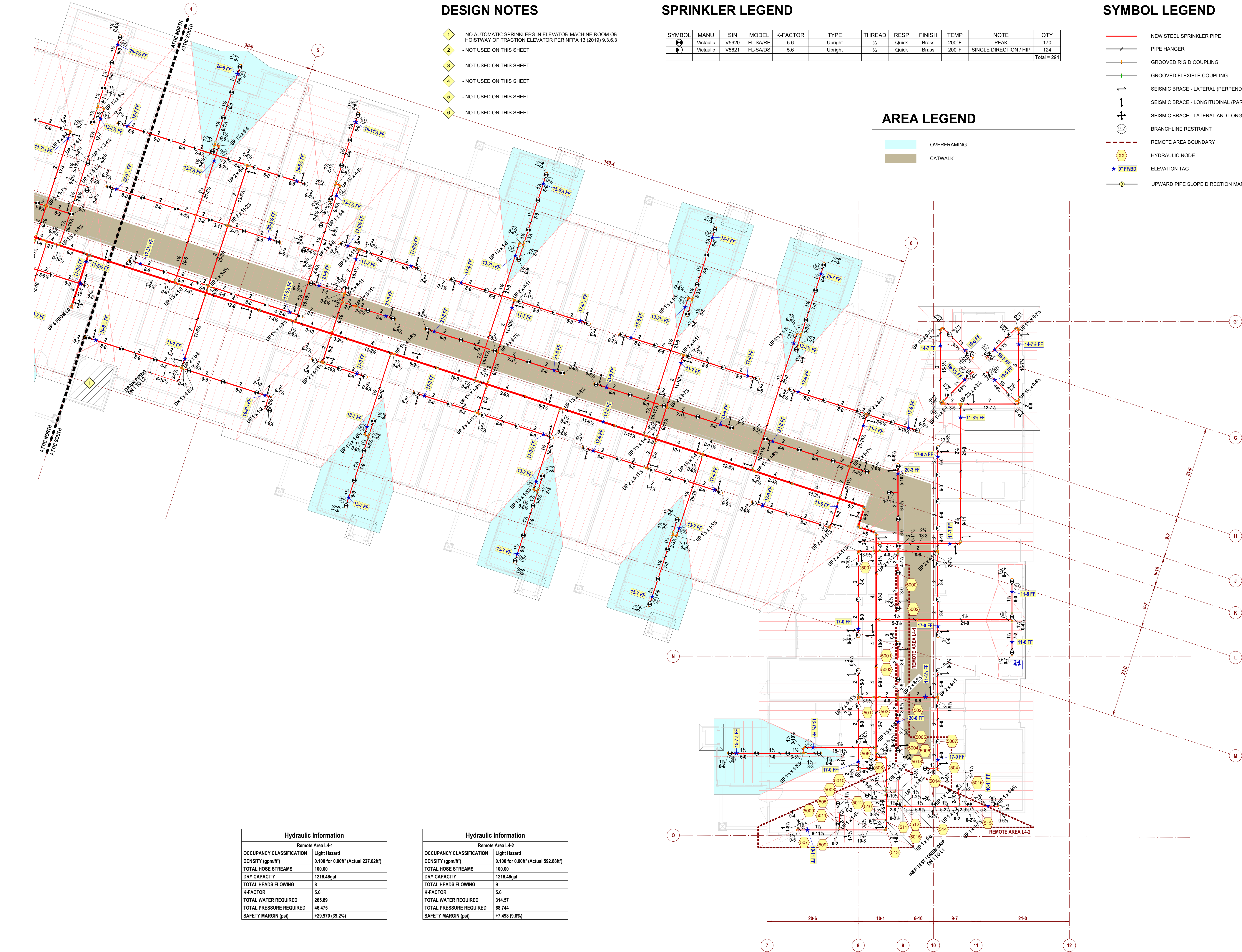
City of Puyallup Development & Permitting Services ISSUED PERMIT	
Building	Planning
Engineering	Public Works
Fire	Traffic

Key Plan

The key plan shows a map with a shaded area labeled 'NORTH' and an unshaded area labeled 'SOUTH'. Below the map is a compass rose with a circle and a cross, with the word 'NORTH' written below it.

Date: September 17, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:
Drawing No.

FP 2.40



DESIGN NOTES

- 1 - NO AUTOMATIC SPRINKLERS IN ELEVATOR MACHINE ROOM OR HOISTWAY OF TRACTION ELEVATOR PER NFPA 13 (2019) 9.3.6.3
- 2 - NOT USED ON THIS SHEET
- 3 - NOT USED ON THIS SHEET
- 4 - NOT USED ON THIS SHEET
- 5 - NOT USED ON THIS SHEET
- 6 - NOT USED ON THIS SHEET

SPRINKLER LEGEND

SYMBOL	MANU	SIN	MODEL	K-FACTOR	TYPE	THREAD	RESP	FINISH	TEMP	NOTE	QTY
	Victaulic	V6620	FL-SAIRE	5.6	Upright	1/2"	Quick	Brass	200°F	PEAK	170
	Victaulic	V6621	FL-SAIDS	5.6	Upright	1/2"	Quick	Brass	200°F	SINGLE DIRECTION / HIP	124
Total = 294											

AREA LEGEND

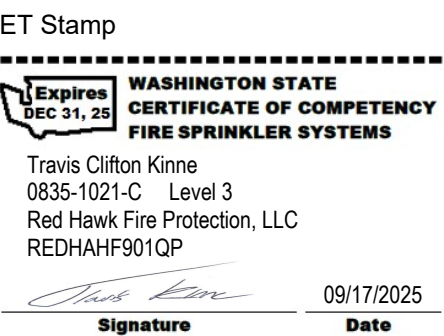
- OVERFRAMING
- CATWALK

SYMBOL LEGEND

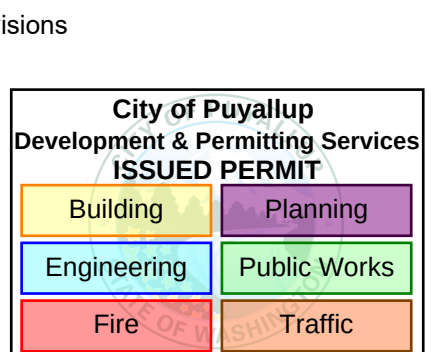
- NEW STEEL SPRINKLER PIPE
- PIPE HANGER
- GROOVED RIGID COUPLING
- GROOVED FLEXIBLE COUPLING
- SEISMIC BRACE - LATERAL (PERPENDICULAR TO PIPE)
- SEISMIC BRACE - LONGITUDINAL (PARALLEL TO PIPE)
- SEISMIC BRACE - LATERAL AND LONGITUDINAL
- BRANCHLINE RESTRAINT
- REMOTE AREA BOUNDARY
- HYDRAULIC NODE
- ELEVATION TAG
- UPWARD PIPE SLOPE DIRECTION MARKER

Hydraulic Information	
Remote Area L4-1	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.100 for 0.001" (Actual 227.62ft)
TOTAL HOSE STREAMS	100.00
DRY CAPACITY	1216.46gal
TOTAL HEADS FLOWING	8
K-FACTOR	5.6
TOTAL WATER REQUIRED	265.89
TOTAL PRESSURE REQUIRED	46.475
SAFETY MARGIN (psi)	+29.970 (39.2%)

Hydraulic Information	
Remote Area L4-2	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.100 for 0.001" (Actual 592.88ft)
TOTAL HOSE STREAMS	100.00
DRY CAPACITY	1216.46gal
TOTAL HEADS FLOWING	9
K-FACTOR	5.6
TOTAL WATER REQUIRED	314.57
TOTAL PRESSURE REQUIRED	66.744
SAFETY MARGIN (psi)	+7.498 (9.8%)



Approvals Required
CITY OF PUYALLUP
OWNER / ARCHITECT



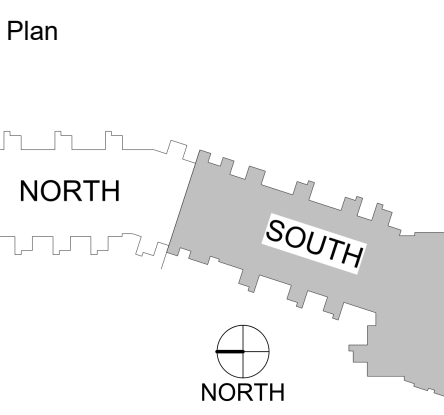
Contract With:
WALSH CONSTRUCTION

315 5TH AVE S, SUITE 600
SEATTLE, WA 98104
PM: QUASIM GILL
Phone: 206-413-1954
Email: OGILL@WALSHCONSTRUCTION.COM

Contract Name:
**BRADLEY PARK
PHASE 2**

707 39TH AVE SE, BLDG D
PUYALLUP, WA 98374

Drawing Title
**ATTIC SOUTH - FIRE
SPRINKLER PLAN**



Date: September 17, 2025
Job Number: 70120
Designer: BROOKE MCDANIELS
Building Permit:
Drawing No.