


City of Puyallup
Fire
REVIEWED
FOR
COMPLIANCE

DDrake
03/26/2024
8:06:34 AM



CITY OF PUYALLUP
STATE OF WASHINGTON

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

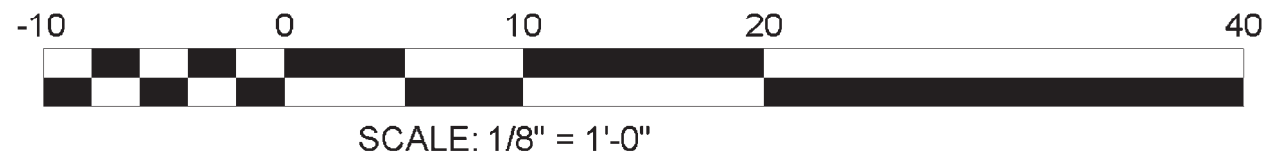
Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

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



LEVEL 1 FIRE SPRINKLER PLAN

SCALE: 1/8" = 1'-0"

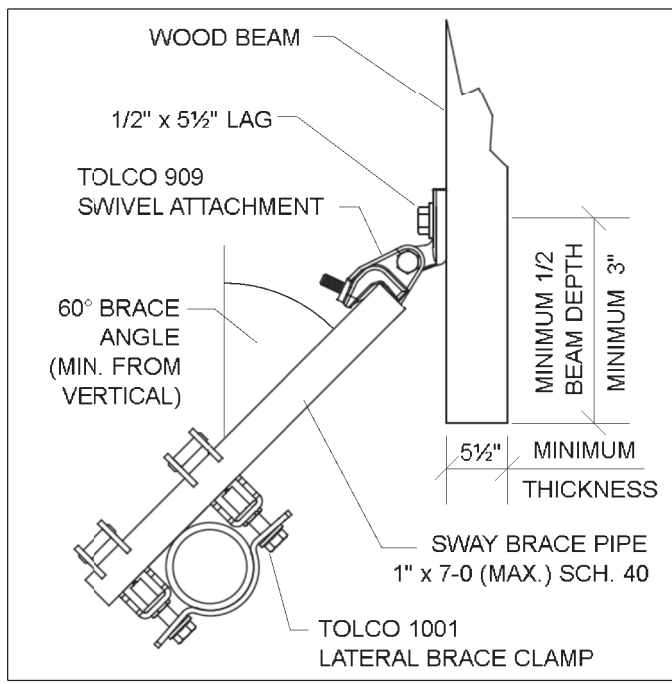


FIELD NOTES:

- MAIN HANGERS TO BE SAMMY SUPERSCREW TYPE "S20" INTO BOTTOM OF 2X JOISTS (U.N.O.).
- BRANCH HANGERS ON THIS SHEET TO BE SAMMY TYPE "S20" INTO WOOD FLOOR DECK AS PER DETAIL ON THIS SHEET (U.N.O.).
- THREADED END PIPE TO BE BLACK SCH 40, JOINED WITH THREADED DUCTILE IRON FITTINGS.
- GROOVED END PIPE TO BE SCH 10 PIPE, JOINED WITH FACTORY PAINTED GROOVED FITTINGS AND COUPLINGS.
- DROPS TO HEADS IN DROP CEILINGS TO BE INSTALLED PER FLEX DETAIL AND ALIGNMENT DETAIL ON SHEET FP-2.
- SWAY BRACING TO BE PER DETAILS ON THIS SHEET & FP-3.
- BRANCH RESTRAINT NOT REQUIRED WHERE PIPE IS HUNG WHERE DISTANCE FROM TOP OF PIPE TO HANGER ATTACHMENT IS 6" OR LESS, OR WHERE STANDOFF BRACKETS ARE USED. BRANCH RESTRAINT TO BE ERICO TYPE AND INSTALLED AT 45° ANGLE NEAR ENDS OF BRANCHLINES WITHIN 6" OF VERTICAL HANGER.
- USING 3/8" ALL THREAD ROD UP TO 30" LONG AND 1/2" ROD UP TO 40" LONG.
- NEW WALLS TO BE SHEATHED FULL HEIGHT TO BOTTOM OF FLOOR DECK ABOVE (U.N.O.).

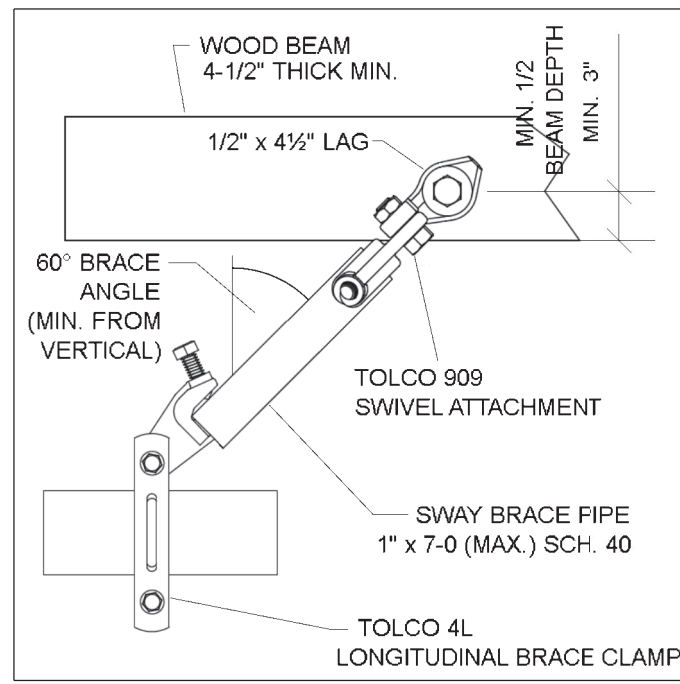
SPRINKLER LEGEND:

- = NEW PIPE
- = EXISTING PIPE
- = HANGER
- = SWAY BRACE
- = HYDRAULIC NODE TAG
- = NON-TYPICAL FLEX LENGTH



LATERAL BRACE "W3"

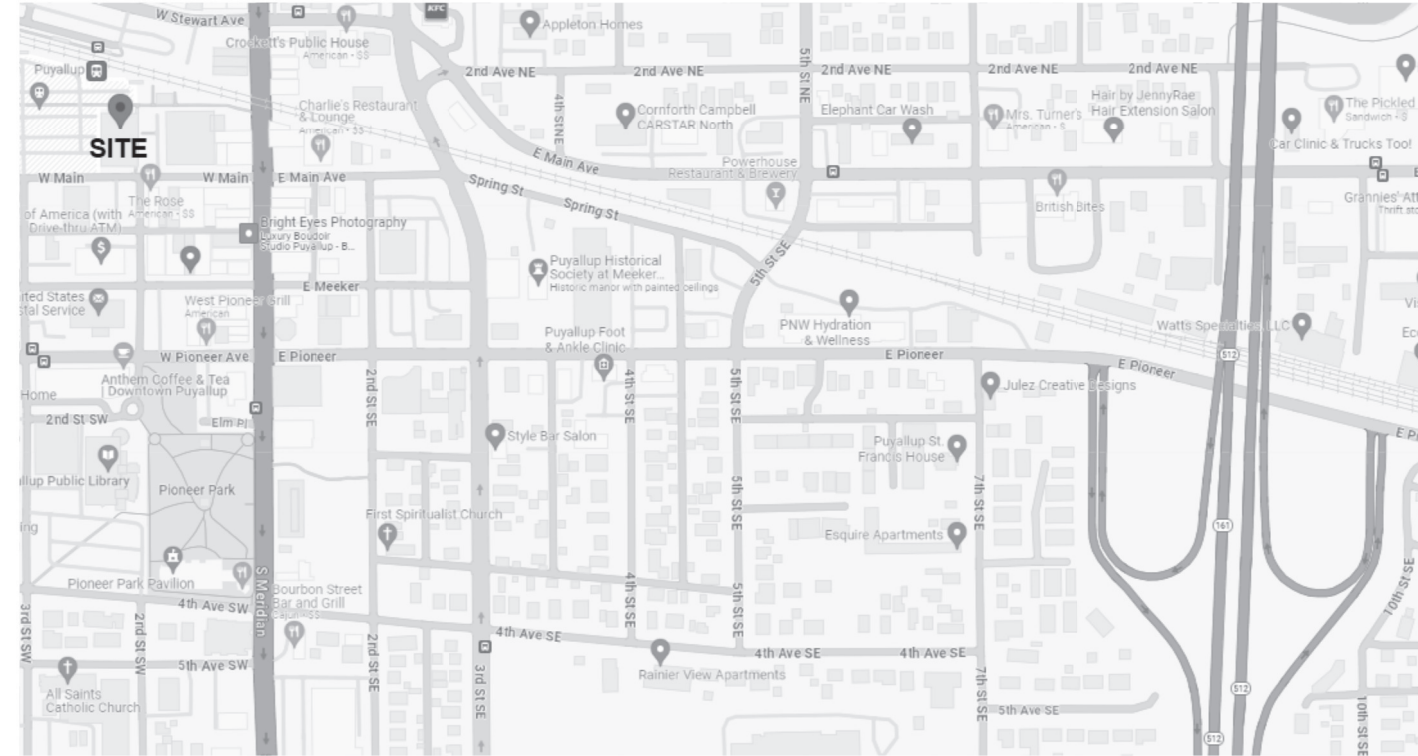
NTS



LONGITUDINAL BRACE "W8"

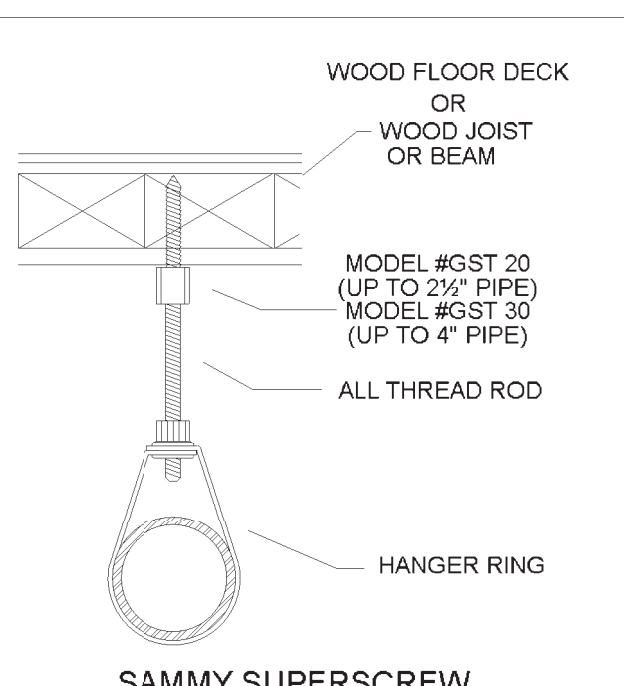
NTS

SEE "W4" BRACE DETAIL ON FP-3



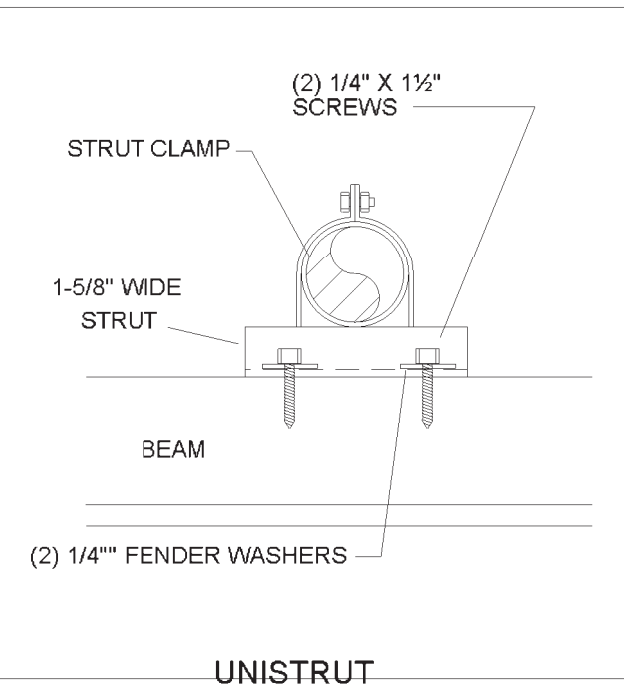
VICINITY MAP

SCALE: NTS



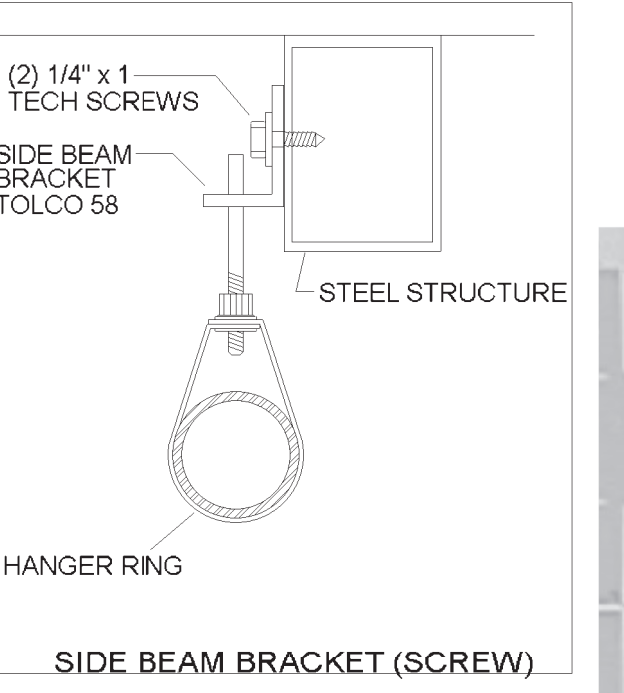
SAMMY SUPERSCREW
HANGER TYPE S20

NTS



UNISTRUT
HANGER TYPE US

NTS



SIDE BEAM BRACKET (SCREW)
HANGER TYPE BS

NTS

SCOPE OF WORK:

- MODIFY EXISTING OVERHEAD FIRE SPRINKLER SYSTEM TO ACCOMMODATE NEW TENANT WALLS & CEILINGS.
- ARCHER TO SAFE OFF PIPE NEAR TOP OF EXISTING WET RISER. EXISTING WET PIPE TO BE REMOVED BY OTHERS.
- REPIPE WET SYSTEM WITH MAINS ALONG BEAMS OR EXTERIOR WALLS & BRANCHES UP IN JOIST BAYS.

CLARIFICATIONS:

- ALL AREAS PROTECTED BY A WET SYSTEM MUST BE MAINTAINED AT A MINIMUM OF 40°F (BY OTHERS) IN ORDER TO PREVENT THE PIPE FROM FREEZING.

EXCLUSIONS:

- WASHINGTON STATE SALES TAX
- OTHER TRADES GIVEN PRIORITY DURING DESIGN ONLY, AFTER DESIGN NO FIELD CHANGES INCLUDED.
- STRUCTURAL REVIEW OF THE BUILDING TO DETERMINE CAPABILITY TO SUPPORT SPRINKLER PIPE WEIGHT.
- DEMO OF EXISTING SPRINKLER PIPE IN CANNERY BUILDING IS BY OTHERS.
- ANY CEILING DEMO.
- WATER FLOW TESTS, IF REQUIRED.
- FIRE PUMP, IF NEEDED TO SUPPLY THE MINIMUM WATER FOR DESIGN DENSITY.
- WATER FLOW TESTS, IF REQUIRED.
- FIRE SPRINKLER PERMITS TO BE PROVIDED BY G.C.
- ANY ADDITIONAL WORK OUTSIDE OF SCOPE ABOVE
- AFTER HOURS WORK

GENERAL NOTES:

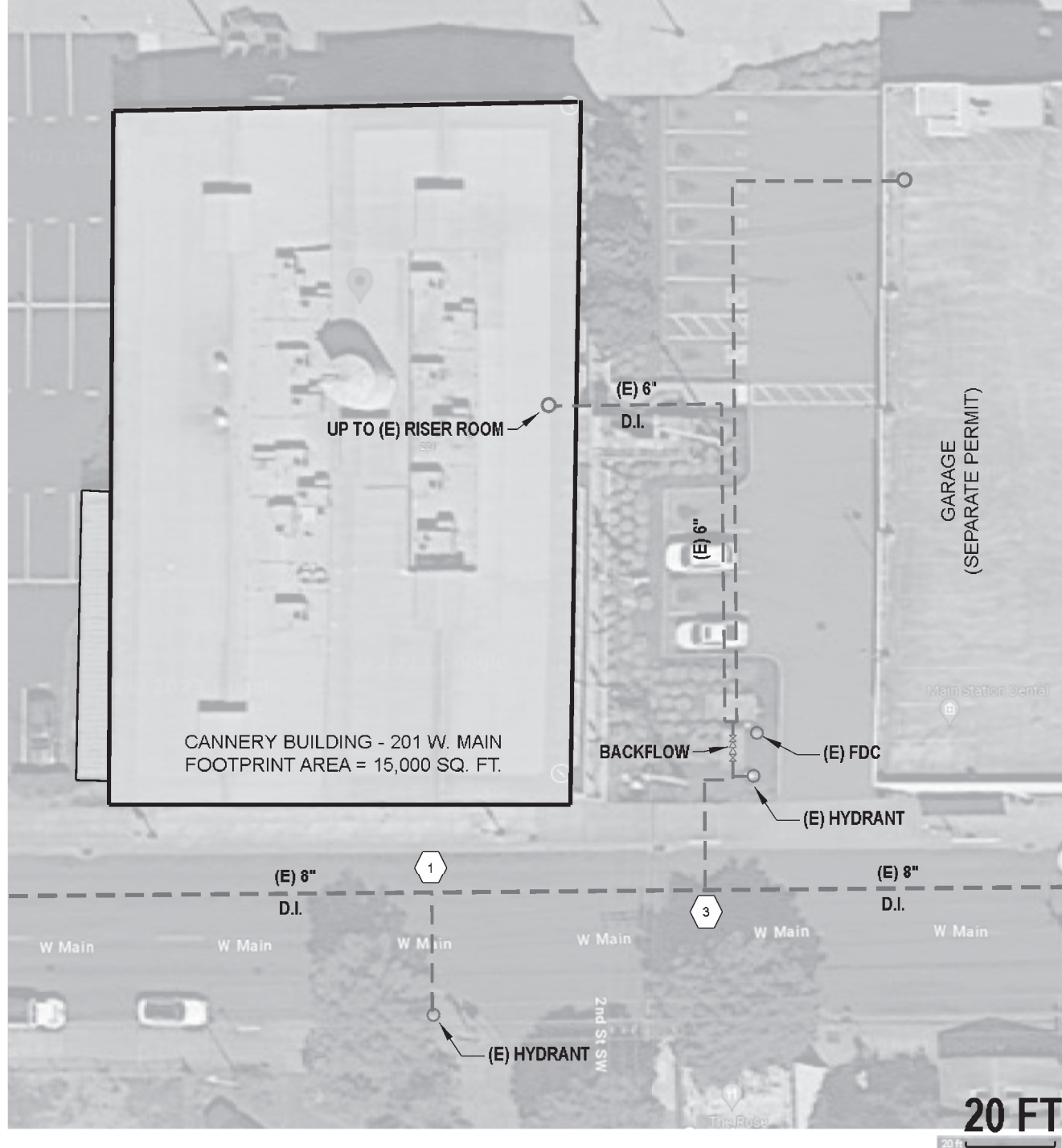
- ALL MATERIAL AND EQUIPMENT TO BE NEW AND UL AND/OR FM APPROVED.
- JOINING OF PIPE AND FITTINGS, THREADED AND WELDED, SHALL BE IN ACCORDANCE WITH NFPA #13.
- PIPE HANGER AND METHOD OF HANGING TO BE IN ACCORDANCE WITH NFPA #13.
- PIPING SHALL BE IN ACCORDANCE WITH NFPA #13.

DESIGN CRITERIA:

- DESIGN AND TESTING BASED ON NFPA 13 (2016) AND PUYALLUP CODES.
- LEVEL 1 CRITERIA:
 - MEDICAL, DENTAL, HOSPITAL, OFFICE, CEILING VOIDS, ETC. - LIGHT HAZARD - 0.1 / 976" SQ. FT.
 - LAUNDRY, STORAGE, ELECT. JANITOR, ETC. - ORDINARY HAZARD (GROUP 1) - 0.15 / 976" SQ. FT.
- LEVEL 2 CRITERIA:
 - MEDICAL, DENTAL, HOSPITAL, OFFICE, CEILING VOIDS, ETC. - LIGHT HAZARD - 0.07 / 3000" SQ. FT.
 - LAUNDRY, STORAGE, ELECT. JANITOR, ETC. - ORDINARY HAZARD (GROUP 1) - 0.12 / 3000" SQ. FT.
- * REMOTE AREAS MAY BE REDUCED PER NFPA 13 IN AREAS PROTECTED BY QUICK RESPONSE SPRINKLERS WHERE CEILING HEIGHTS ARE 20'-0" OR LESS
- ** REMOTE AREAS INCREASED PER NFPA 13 DUE TO EXISTING OVERFREAMED ROOF STRUCTURE ABOVE HAVING UNPROTECTED TJ SPACE WITH WOOD PLANKING AT BOTTOM OF JOISTS.

BUILDING INFO:

- PARCEL # = 7940100244
- OWNER: COMMUNITY HEALTH CARE, 1148 BROADWAY STE 100, TACOMA WA 98402
- OCCUPANCY: B - BUSINESS
- CONSTRUCTION: VB



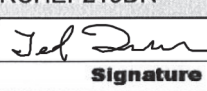
SITE / KEY PLAN

SCALE: SEE GRAPHICAL SYMBOL

Expires
DEC 31, 24

WASHINGTON STATE
CERTIFICATE OF COMPETENCY
FIRE SPRINKLER SYSTEMS

Theodore M. Queen
4930-0205-C Level 3
Archer Construction, Inc.
ARCHEI*219DR



Signature

3-14-24

Date

REV01 - 3/14/24

WATER SUPPLY		HYDRAULIC DESIGN INFORMATION							HANGER ATTACHMENT		ABBREVIATIONS		SYMBOLS		SPRINKLER SYMBOLS											
STATIC	51 PSI	AREA	HAZARD CLASSIFICATION	TYPE	DENSITY	AREA SIZE	COVERAGE PER SPRINKLER	HOSE	SYSTEM DEMAND	A	BEAM CLAMP	CL	CENTERLINE OF PIPE	★ FF	(CL) ABOVE FINISHED FLOOR	SYM	MAKE	MODEL	SIN#	TYPE	FINISH	K-FAC.	THREAD	TEMP	CANOPY	QTY
RESIDUAL	38 PSI									B	SIDE BEAM BRACKET	CTS	CUT TO SUIT	★ BB	(CL) BOTTOM OF BEAM	●	RELIABLE	F1FR56	RA1414	OR RECESSED SSP	CHROME	5.6	1/2"	155°	CHRRCC	74
GPM FLOWING	2460 GPM									C	EYE SOCKET	FO	FIELD ORDER	★ TB	(CL) TOP OF BEAM	●	RELIABLE	F1FR56	RA1414	OR SSP	BRASS	5.6	1/2"	155°	N/A	32
DATE & TIME	11/13/23									D	NUT & PLATE WASHER	IFOW	INSIDE FACE OF WALL	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1425	OR SSP	BRASS	5.6	1/2"	155°	N/A	32
PER: Grey & Osborne Engrs.										E	KWIK-BOLT	OFOW	OUTSIDE FACE OF WALL	★	RIGID COUPLING	⊕	RELIABLE	F1FR42	RA1413	OR RECESSED SSP	CHROME	4.2	1/2"	155°	CHRRCC	125
LOCATION: SITE										F	HDI-P	NAS	NO AUTO SPRINKLERS	★	FLEXIBLE COUPLING	⊕	RELIABLE	F1FR42	RA1413	OR SSP	BRASS	4.2	1/2"	155°	N/A	139
										G	SAMMY SIDEWINDER	UNO	UNLESS NOTED OTHERWISE	★		⊕	RELIABLE	F1FR56	RA1435	RECESSED HSSW	CHROME	5.6	1/2"	155°	CHRRCC	4
NOTES: WATER MODEL										H	SAMMY SUPERSCREW	COJ	CUT ON JOB	★		⊕	RELIABLE	F1FR42	RA1423	OR SSP	BRASS	4.2	1/2"	155°	N/A	32
										J	COACH SCREW ROD															
										K	CEILING FLANGE															
										T	TRAPEZE															
TOTAL PROJECT SPRINKLERS = 533																										

TOTAL PROJECT SPRINKLERS = 533

ARCHER

WSCL#: ARCHEI*219DR

FIRE SPRINKLER DIVISION
7855 S 206TH STREET, KENT, WA 98032
PHONE 253-872-7222 FAX 253-872-7277

PROJECT: CHC Puyallup Cannery
201 W. Main St
Puyallup, WA 98371

CONTRACT W/: ALDRICH & ASSOCIATES

CONTACT: Tyler Stumpf

PHONE: 206-939-0573

FIRE SPRINKLER
PIPING PLAN

PERMIT NO.: -

JOB NO.: 523-90

AUTHORITY: Puyallup

DESIGNER: Queen

SCALE: As Noted

DATE: 11/22/23

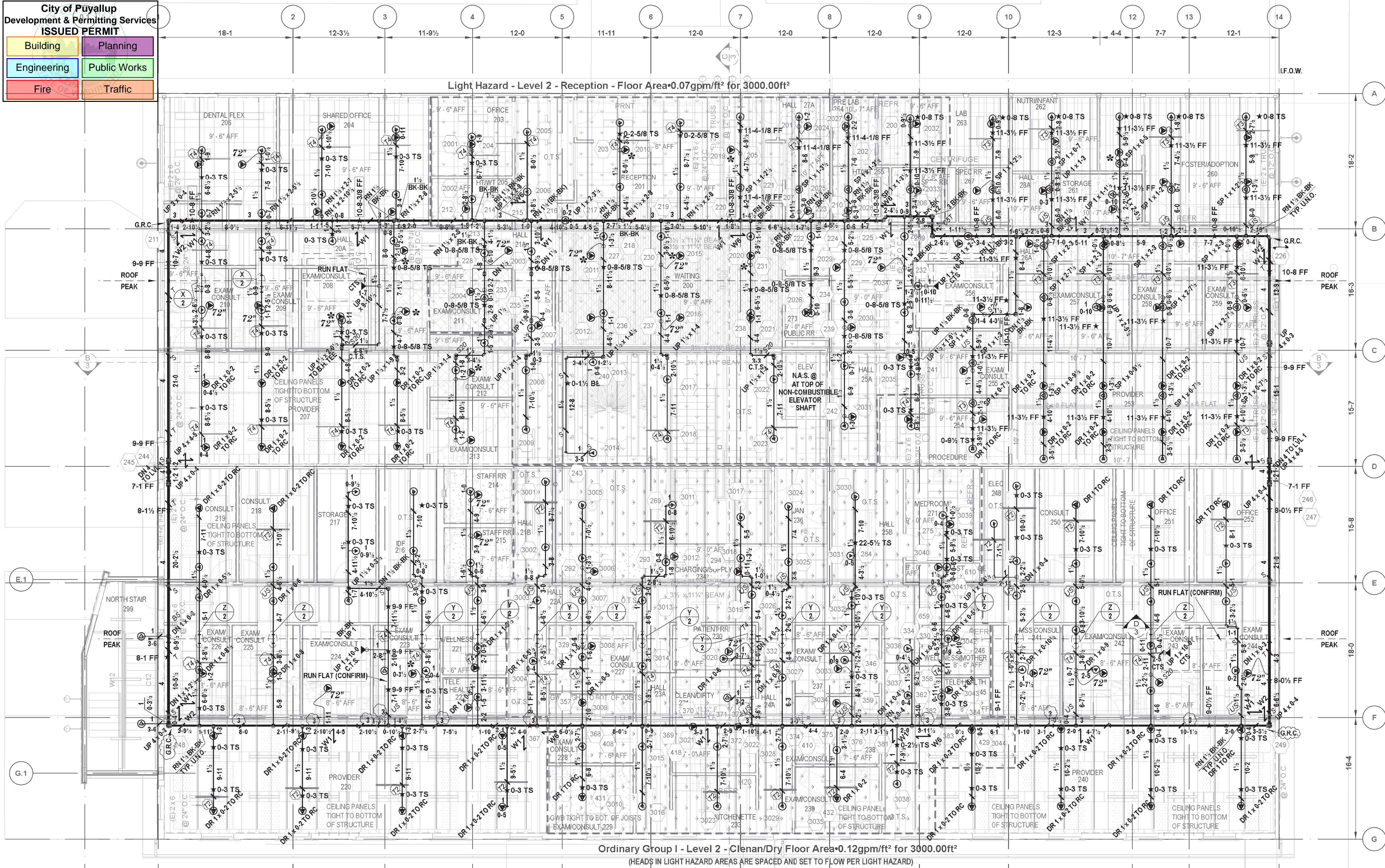
REVISED: 11

PLOTTED: 11

FP 1 OF 3

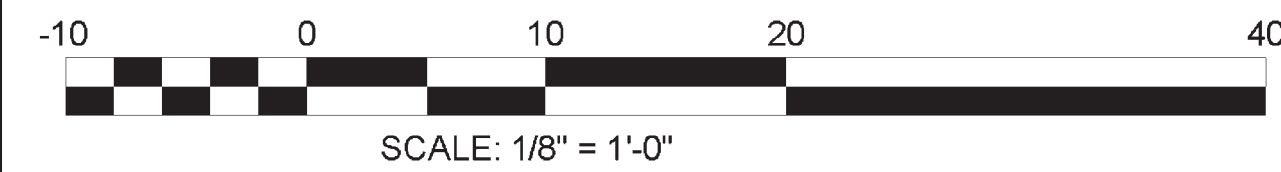
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
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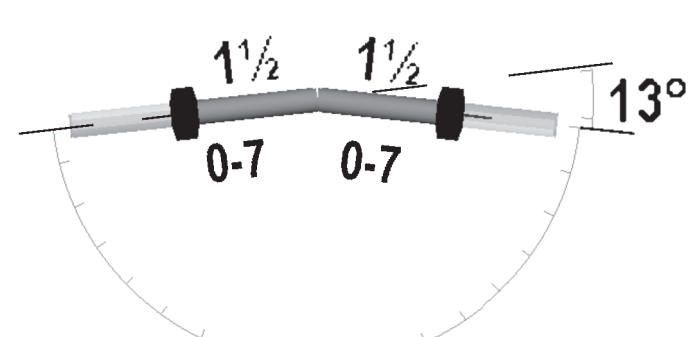
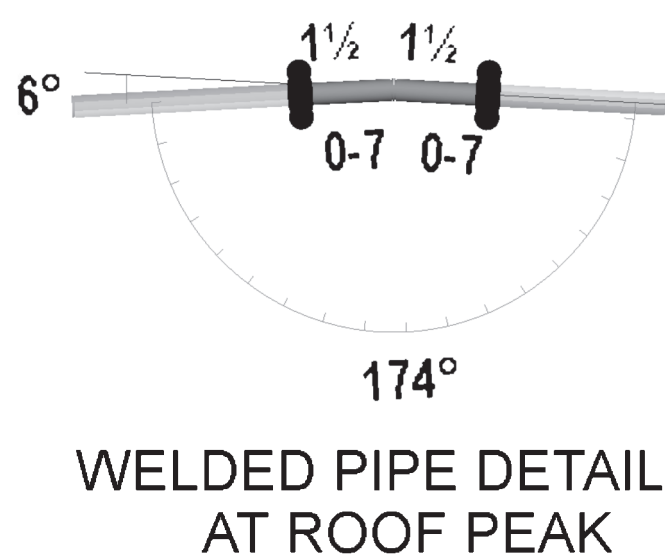
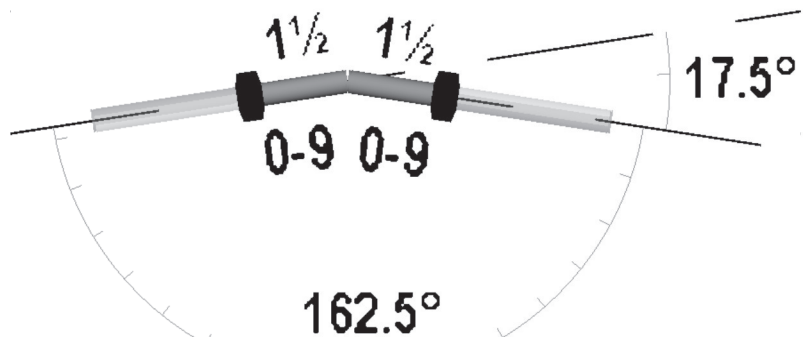
LEVEL 2 FIRE SPRINKLER PLAN

SCALE: 1/8" = 1'-0"



SPRINKLER LEGEND:

- NEW PIPE
- EXISTING PIPE
- HANGER
- SWAY BRACE
- HYDRAULIC NODE TAG
- NON-TYPICAL FLEX LENGTH
- FLEX WITH INTEGRAL 90° EL MAY BE NEEDED



FIELD NOTES:

- MAIN HANGERS TO BE BRACKET HANGER TYPE 'PS' INTO 3/4" x 11/2" WOOD BEAMS (U.N.O.).
- BRANCH HANGERS TO BE OFFSET TYPE '01W' INTO JOIST OR T.J. (U.N.O.).
- THREADED END PIPE TO BE BLACK SCHD 40, JOINED WITH THREADED DUCTILE IRON FITTINGS.
- GROOVED END PIPE TO BE SCH 10 PIPE, JOINED WITH FACTORY PAINTED GROOVED FITTINGS AND COUPLINGS.
- DROPS TO HEADS IN DROP CEILING TO BE INSTALLED PER FLEX DETAIL AND ALIGNMENT DETAIL ON SHEET FP-2
- SWAY BRACING TO BE PER DETAILS ON THIS SHEET.
- BRANCH RESTRAINT NOT REQUIRED WHERE PIPE IS HUNG WHERE DISTANCE FROM TOP OF PIPE TO HANGER ATTACHMENT IS 6" OR LESS, OR WHERE STANDOFF BRACKETS ARE USED.
- NEW WALLS TO BE SHEATHED FULL HEIGHT TO BOTTOM OF ROOF DECK ABOVE (U.N.O.).

WATER SUPPLY

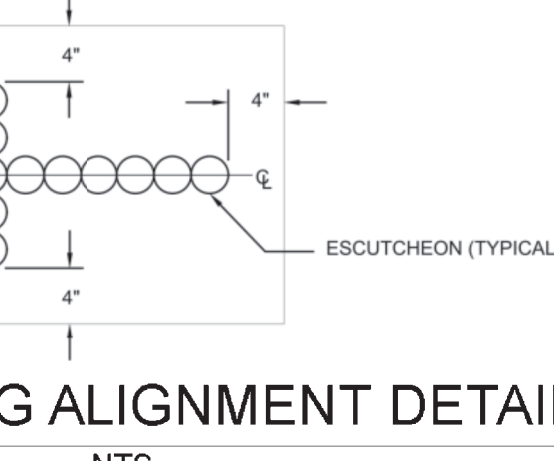
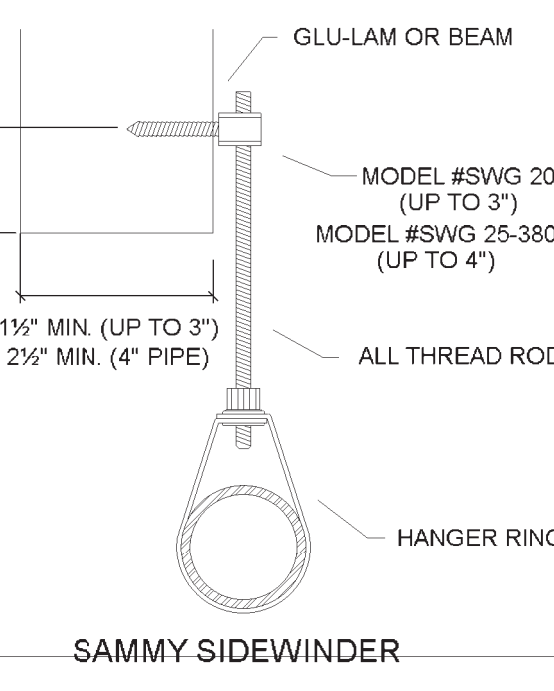
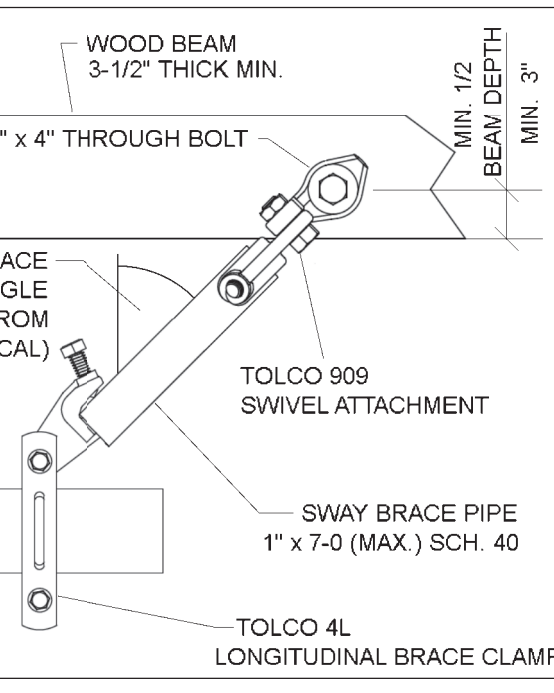
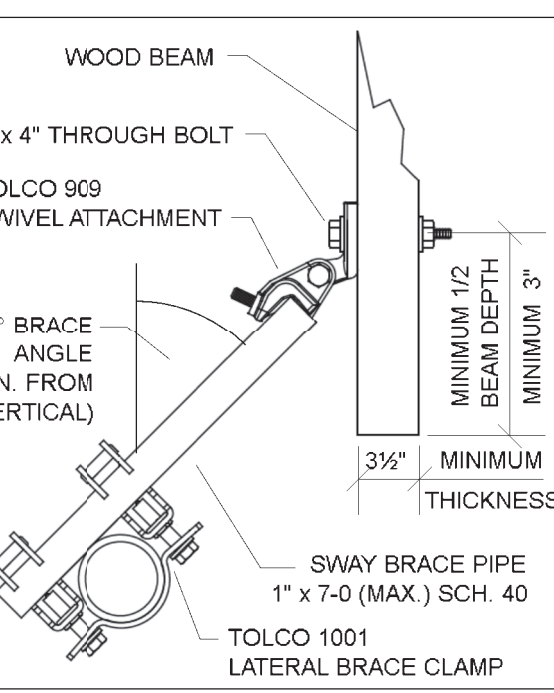
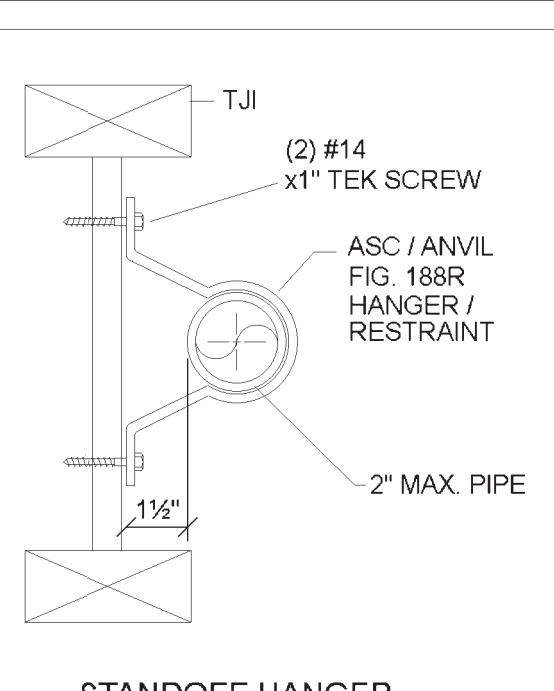
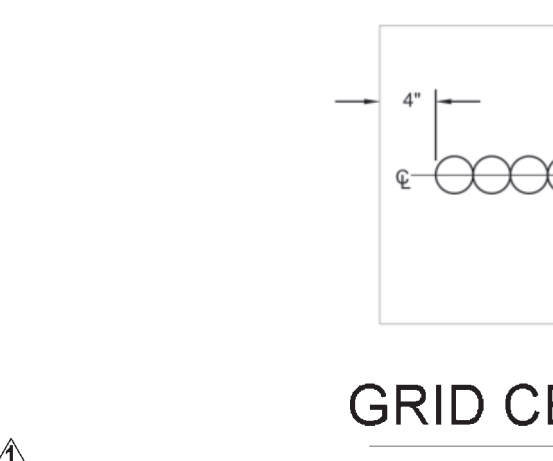
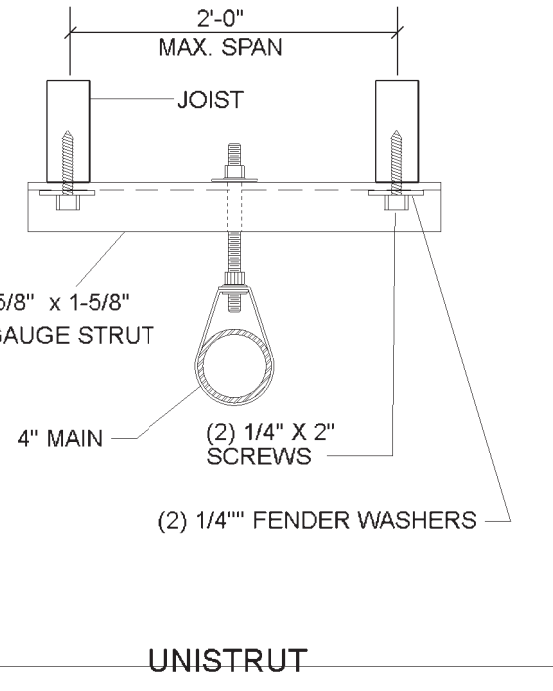
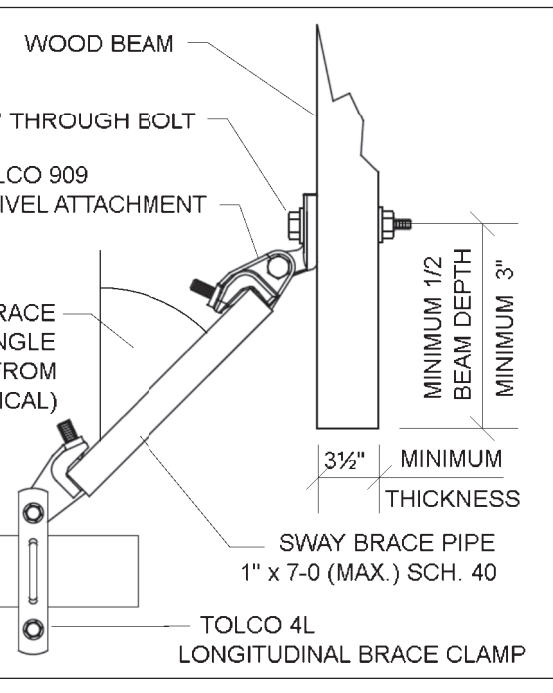
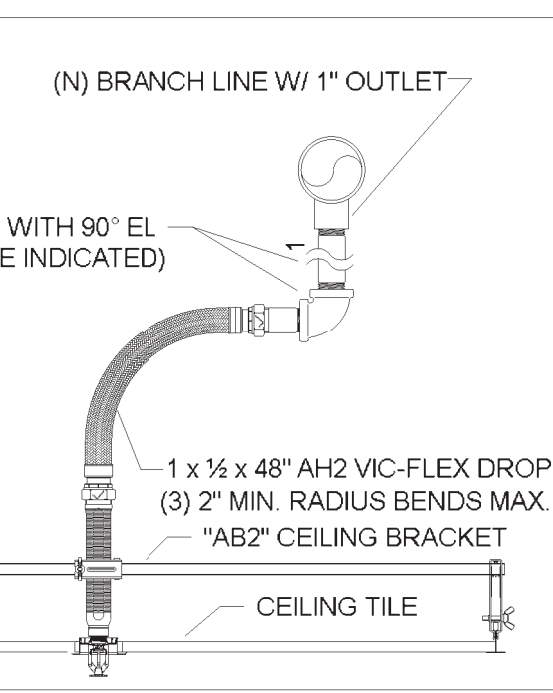
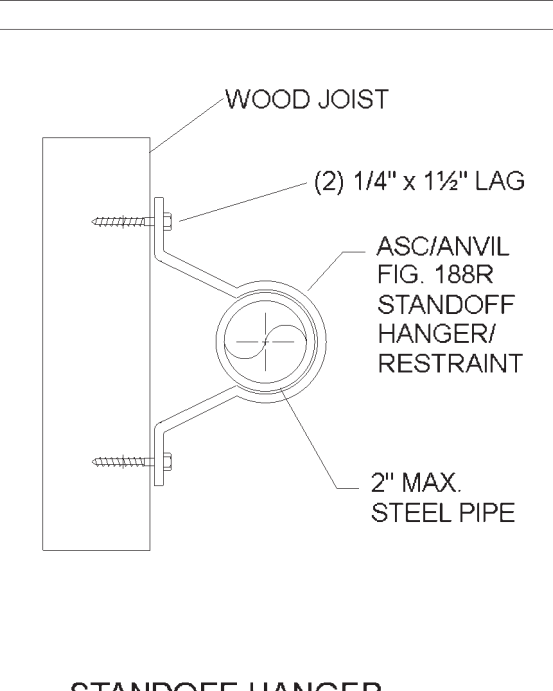
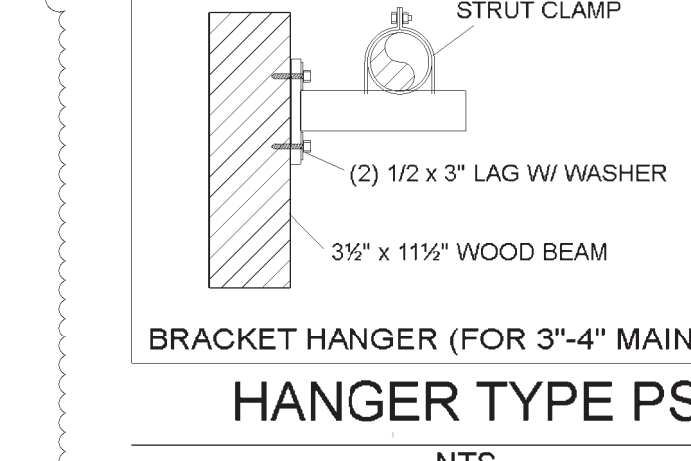
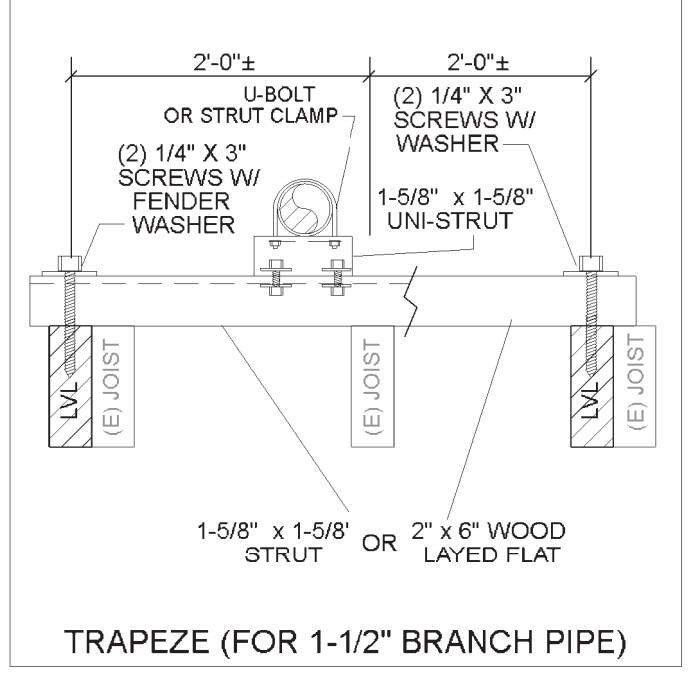
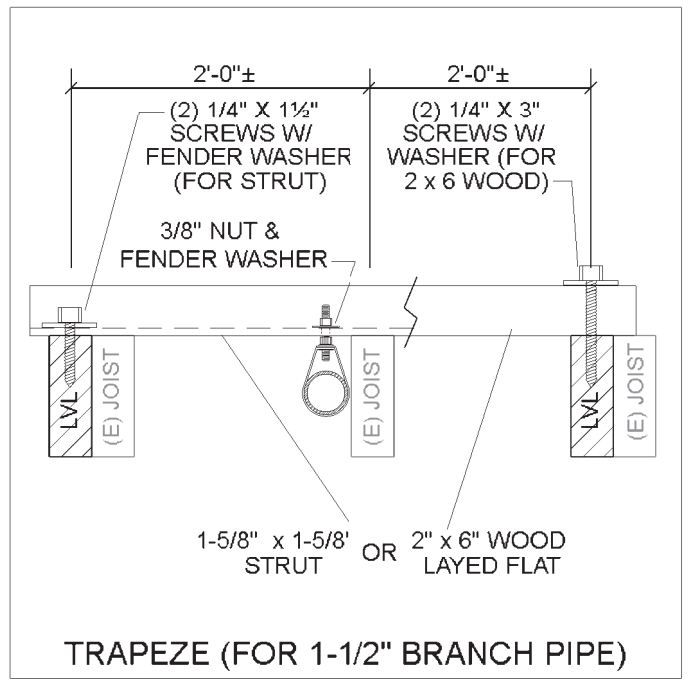
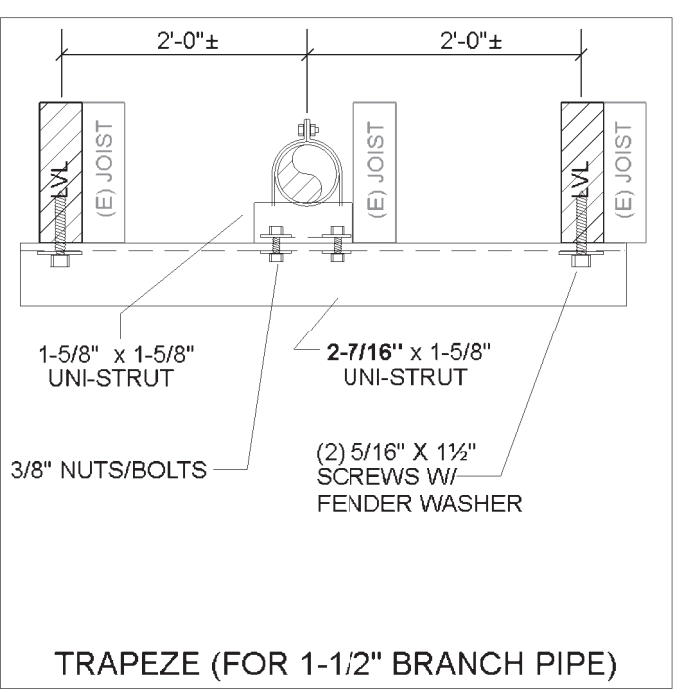
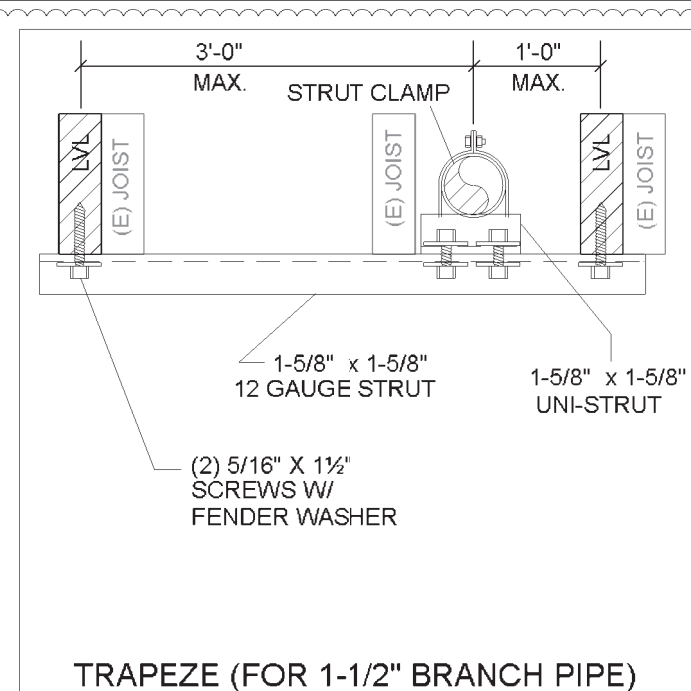
STATIC	AREA	HAZARD CLASSIFICATION	TYPE	DENSITY	AREA SIZE	COVERAGE PER SPRINKLER	HOSE	SYST. DEMAND @ BOR
38 PSI	CLEAN / DRY	ORDINARY GROUP 1	WET	12 GPM	3,000 SQ. FT.	130 SQ. FT.	250 GPM	545 GPM @ 33.6 PSI
RESIDUAL FLOWING								
DATE & TIME								
PER: Grey & Osborne Engrs.								
LOCATION: SITE								

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ORDINARY GROUP 1	WET	12 GPM	3,000 SQ. FT.	130 SQ. FT.	250 GPM	545 GPM @ 33.6 PSI

HANGER ATTACHMENT	ABBREVIATIONS	SYMBOLS
A BEAM CLAMP	CL CENTERLINE OF PIPE	★ FF (CL) ABOVE FINISHED FLOOR
B SIDE BEAM BRACKET	CTS CUT TO SUIT	★ BB (CL) BOTTOM OF BEAM
C EYE SOCKET	FO FIELD ORDER	★ TB (CL) TOP OF BEAM
D NUT & PLATE WASHER	IFOW INSIDE FACE OF WALL	★ TS (CL) TOP OF STEEL / BOTTOM OF DECK
E KWIK-BOLT	OFOW OUTSIDE FACE OF WALL	— RIGID COUPLING
F HDI-P	NAS NO AUTO SPRINKLERS	— FLEXIBLE COUPLING
G SAMMY SIDEWINDER	UNO UNLESS NOTED OTHERWISE	
H SAMMY SUPERSCREW	COJ CUT ON JOB	
J CORN SCREW ROD		
K CEILING FLANGE		
T TRAPEZE		

SPRINKLER SYMBOLS	MAKE	MODEL	SIN#	TYPE	FINISH	K-FAC.	THREAD	TEMP	CANOPY	QTY
● RELIABLE	FIFR56	RA1414		QR RECESSED SSP	CHROME	5.6	1/2"	155°	CHRRCC	74
● RELIABLE	FIFR56	RA1414		QR SSP	BRASS	5.6	1/2"	155°	N/A	159
● RELIABLE	FIFR56	RA1425		QR SSP	BRASS	5.6	1/2"	155°	N/A	32
● RELIABLE	FIFR42	RA1413		QR RECESSED SSP	CHROME	4.2	1/2"	155°	CHRRCC	125
● RELIABLE	FIFR42	RA1413		QR SSP	BRASS	4.2	1/2"	155°	N/A	139
● RELIABLE	FIFR56	RA1435		RECESSED HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4
● RELIABLE	FIFR42	RA1423		QR SSP	BRASS	4.2	1/2"	155°	N/A	32

TOTAL PROJECT SPRINKLERS = 533



ARCHER

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CONTRACT W/: ALDRICH & ASSOCIATES

CONTACT: Tyler Stumpf
206-939-0573

PHONE:

FIRE SPRINKLER
PIPING PLAN

PERMIT NO.: -

JOB NO.: 523-90

AUTHORITY: Puyallup

DESIGNER: Queen

SCALE: As Noted

DATE: 11/22/23

REVISED: 1/1

PLOTTED: 1/1

FP 2 OF 3

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building

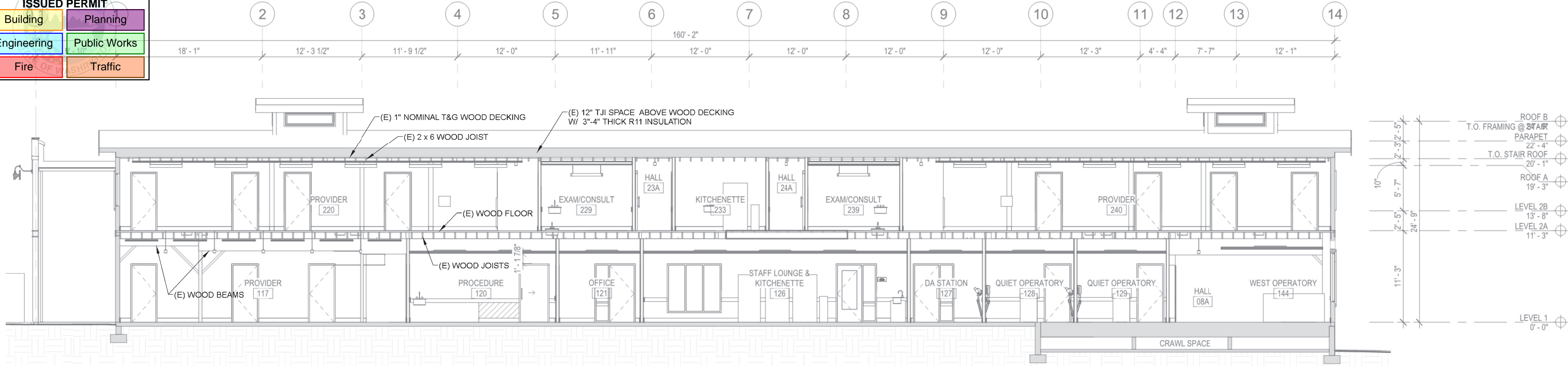
Planning

Engineering

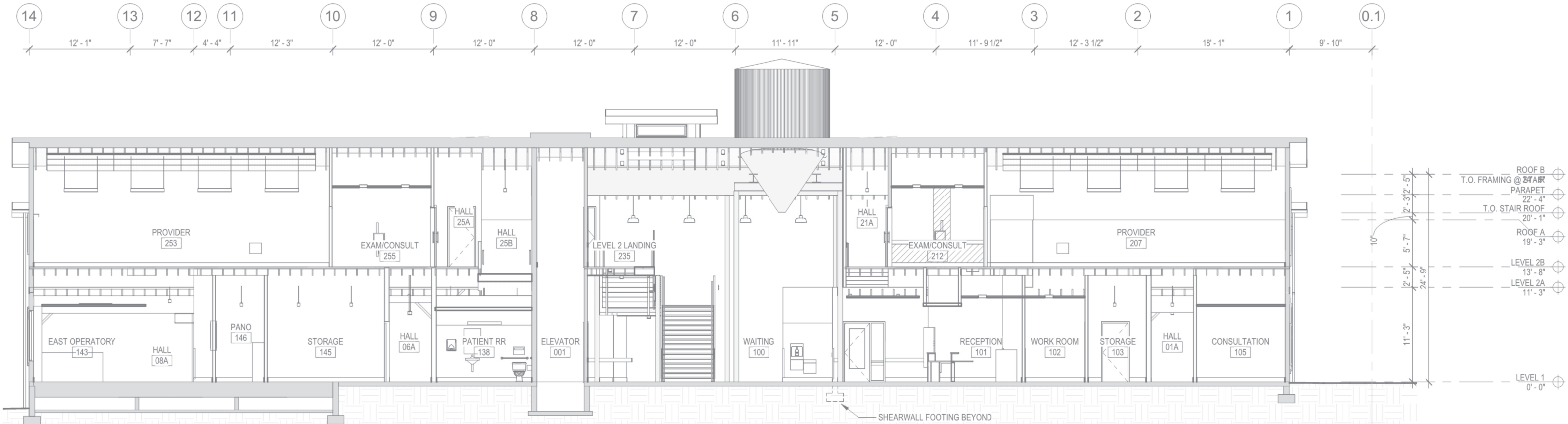
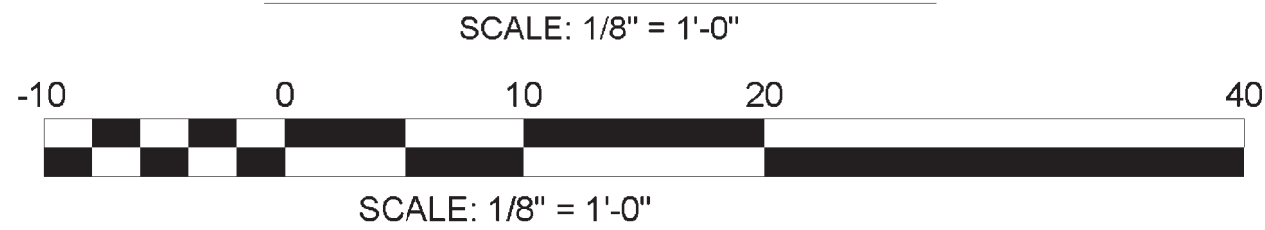
Public Works

Fire

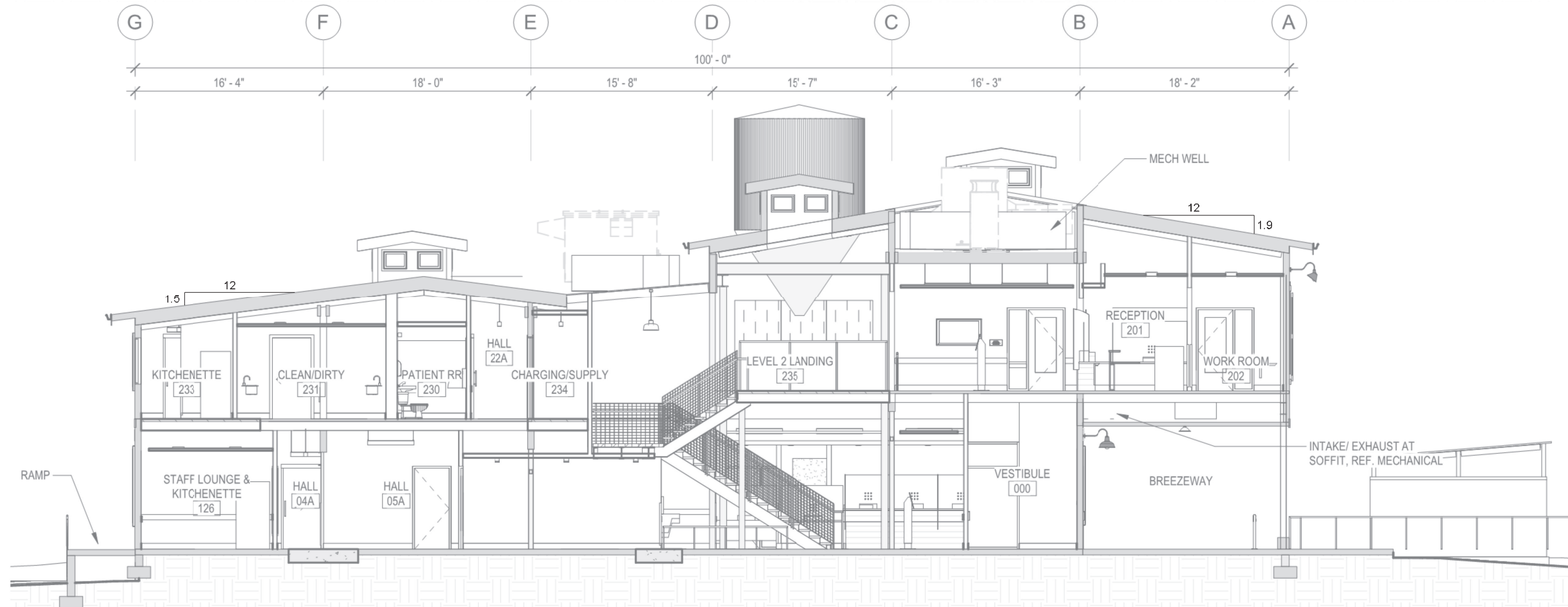
Traffic



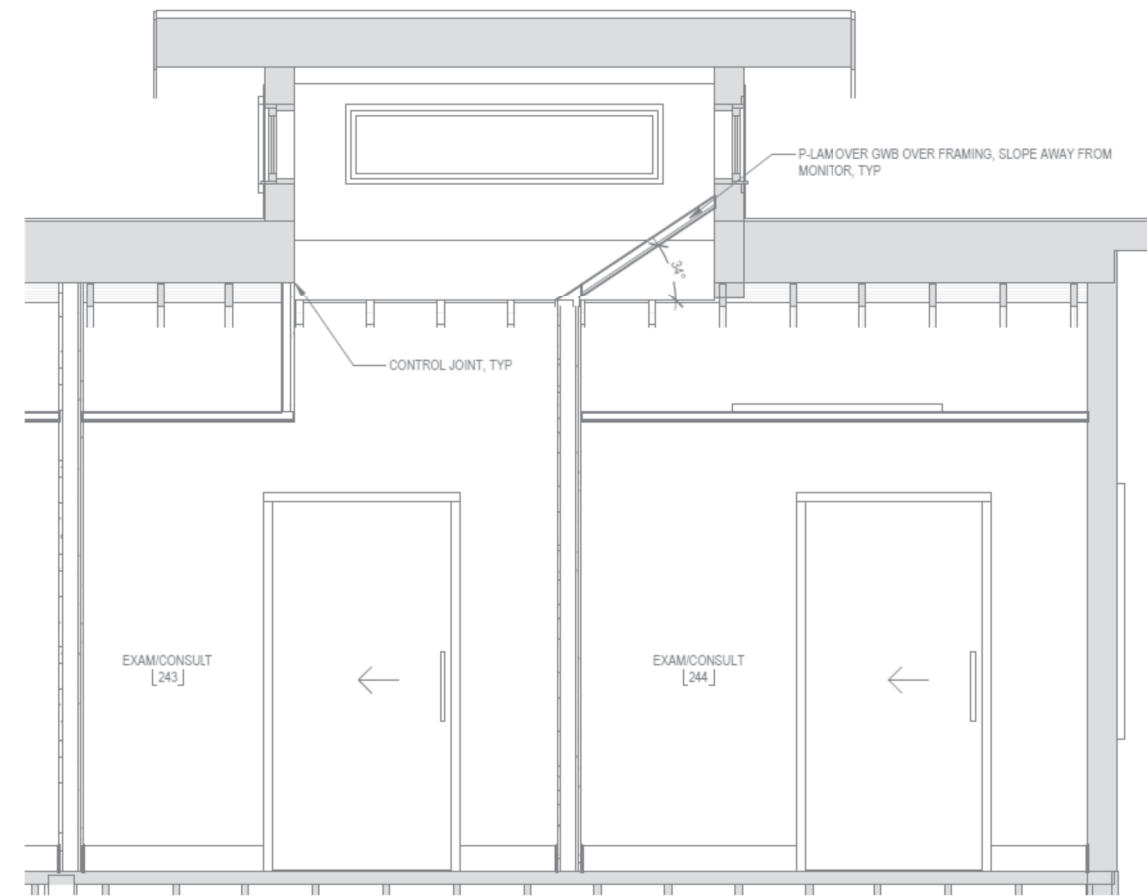
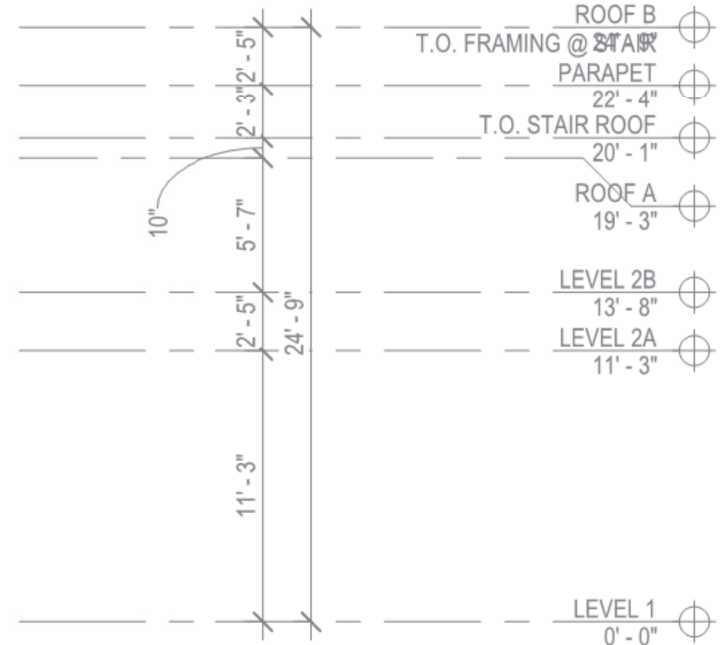
BUILDING SECTION 'A'



BUILDING SECTION 'B'

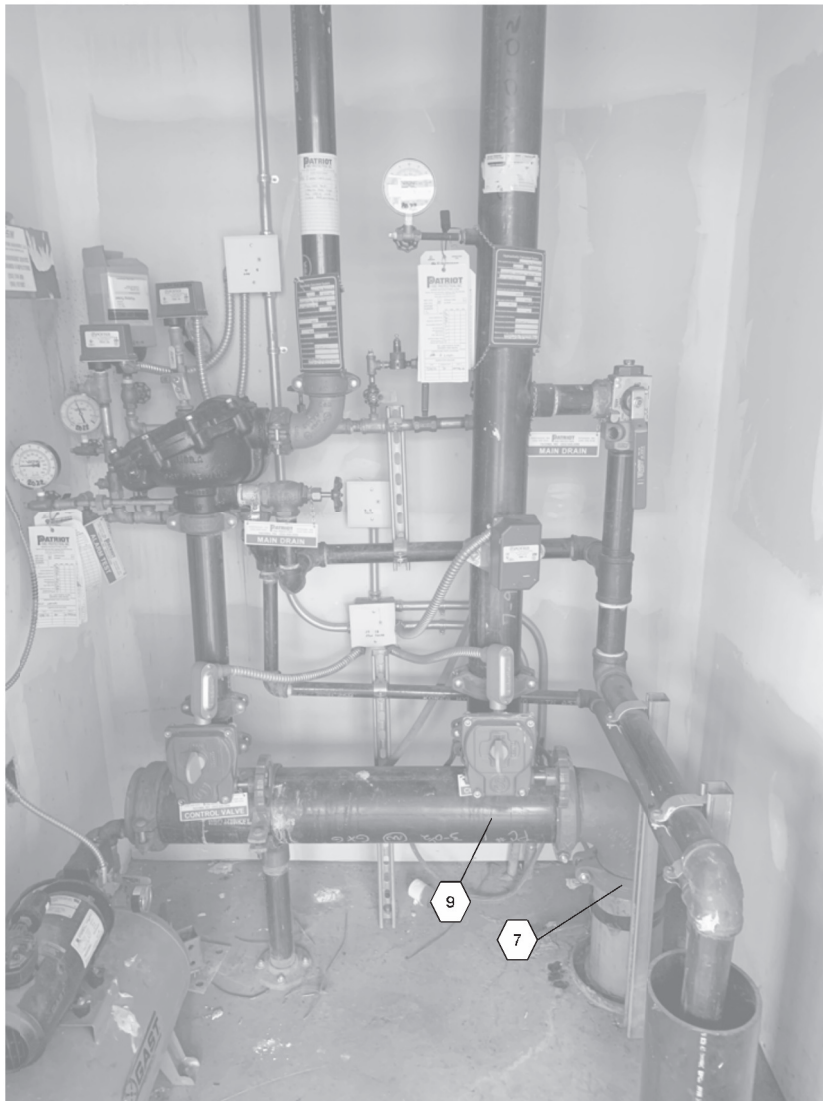


BUILDING SECTION 'C'



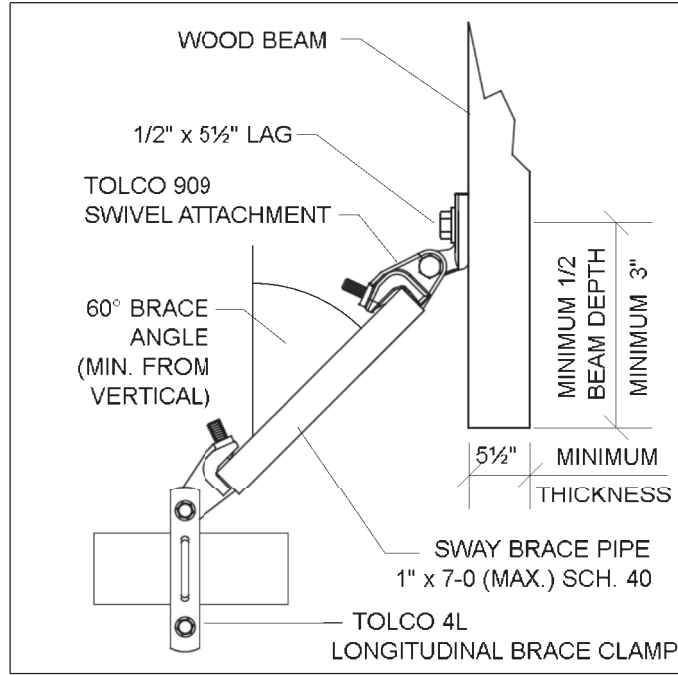
BUILDING SECTION 'D' @ MONITOR

N.T.S.



RISER ROOM VIEW 'E'

NTS



LONGITUDINAL BRACE "W4"

NTS

WATER SUPPLY										HYDRAULIC DESIGN INFORMATION										HANGER ATTACHMENT				ABBREVIATIONS				SYMBOLS				SPRINKLER SYMBOLS											
STATIC		51 PSI		AREA	HAZARD CLASSIFICATION		TYPE	DENSITY	AREA SIZE	COVERAGE PER SPRINKLER	HOSE	SYSTEM DEMAND	A	BEAM CLAMP	CL	CENTERLINE OF PIPE	★ FF	(CL) ABOVE FINISHED FLOOR	SYM	MAKE	MODEL	SIN#	TYPE	FINISH	K-FAC.	THREAD	TEMP	CANOPY	QTY														
RESIDUAL		38 PSI											B	SIDE BEAM BRACKET	CTS	CUT TO SUIT	★ BB	(CL) BOTTOM OF BEAM	●	RELIABLE	F1FR56	RA1414	QR	RECESSED SSP	CHROME	5.6	1/2"	155°	CHRRCC	74													
GPM FLOWING		2460 GPM											C	EYE SOCKET	FO	FIELD ORDER	★ TB	(CL) TOP OF BEAM	○	RELIABLE	F1FR56	RA1414	QR	SSP	BRASS	5.6	1/2"	155°	N/A	159													
DATE & TIME		11/13/23											D	NUT & PLATE WASHER	IFOW	INSIDE FACE OF WALL	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1425	QR	SSU	BRASS	5.6	1/2"	155°	N/A	32													
PER: Grey & Osborne Engrs.													E	KWIK-BOLT	OFOW	OUTSIDE FACE OF WALL	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR42	RA1413	QR	RECESSED SSP	CHROME	4.2	1/2"	155°	CHRRCC	125													
LOCATION: SITE													F	HDI-P	NAS	NO AUTO SPRINKLERS	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR42	RA1413	QR	SSP	BRASS	4.2	1/2"	155°	N/A	139													
													G	SAMMY SIDEWINDER	UNO	UNLESS NOTED OTHERWISE	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
													H	SAMMY SUPERSCREW	COJ	CUT ON JOB	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
													J	COACH SCREW ROD			★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
													K	CEILING FLANGE			★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
													T	TRAPEZE			★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
NOTES: WATER MODEL																	★ TS	(CL) TOP OF STEEL / BOTTOM OF DECK	○	RELIABLE	F1FR56	RA1435	RECESSED	HSSW	CHROME	5.6	1/2"	200°	CHRRCC	4													
																TOTAL PROJECT SPRINKLERS = 533																											

ARCHER

WSCL#: ARCHEI*219DR

FIRE SPRINKLER DIVISION

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Puyallup, WA 98371

CONTRACT W/: ALDRICH & ASSOCIATES

CONTACT: Tyler Stumpf

PHONE: 206-939-0573

FIRE SPRINKLER PIPING PLAN

PERMIT NO.: -

JOB NO.: 523-90

AUTHORITY: Puyallup

DESIGNER: Queen

SCALE: As Noted

DATE: 11/22/23

REVISED: 11/22/23

PLOTTED: 11/22/23

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