SPECIFICATIONS, THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC). DESIGN LOADING CRITERIA		FILLING REQUIR GEOTECHNICAL ON SOLID UNDIS BELOW LOWEST
ROOF SNOW LOAD25 PSFFLOOR LIVE LOAD (OFFICES)IOO PSF OR 2,000 LBS.PARTITION LIVE LOAD HORIZONTAL5 PSF		DETAILS) ARE 1 ESTABLISHED E ENGINEER. UNLE ABOVE.
MIND : ANALYSIS PROCEDURE: ASCE 7-16 CHAPTER 27 "PART I - BUILDINGS OF ALL HEIGHTS" RISK CATEGORY IV 98 MPH		BACKFILL BEHI SUBSURFACE DI
EXPOSURE "B" TOPOGRAPHIC FACTOR Kzt = 1.0 WIND BASE SHEAR, NORTH/SOUTH VW = 217 K WIND BASE SHEAR, EAST/WEST VW = 406 K		THE STRUCTURA REPORT: ALLOWABLE SC LATERAL EART
EARTHQUAKE : ANALYSIS PROCEDURE: IBC "EQUIVALENT LATERAL FORCE PROCEDURE" SEISMIC DESIGN CATEGORY (SDC) = D RISK CATEGORY = SEISMIC SITE CLASS = C		SEISMIC SURCH PASSIVE SOIL 1 SOIL COEFFICIE GEOTECHNICAL
IMPORTANCE FACTOR 1e = 1.0 MAPPED MCE S5 = 1.26; S1 = 0.43 DESIGN ACCELERATION Sd5 = 1.01; Sd1 = 0.43 SEISMIC RESISTING SYSTEM: STEEL BUCKLING RESTRAINED BRACED FRAMES, R = 8.0 SEISMIC RESPONSE COEFFICIENT: C5 = 0.13	17.	DEMOLITION: \ SHALL BE INST/
SEISMIC RESTONSE COLLITIONEL US - 0.15 SEISMIC BASE SHEAR VS = 1283 K SEE PLANS FOR ADDITIONAL LOADING CRITERIA. POST ALL COMMERCIAL OR INDUSTRIAL LIVE LOADS OVER 50 PSF PER IBC SECTION 106.1.		TO THE WORK S PLANS. SAW C SAVED. DEMO. STRUCTURE. LI SYSTEMS TO 60
LATERAL LOADS ARE TRANSFERRED BY THE ROOF AND FLOOR DIAPHRAGMS TO THE BRACED FRAMES. MOMENTS, SHEARS AND ROTATIONAL FORCES ARE BASED ON THE RIGIDITY OF EACH BRACED FRAME AND ARE CARRIED BY THE BRACED FRAMES TO THE FOUNDATION.		A. ALL NEW C CUTTING W B. VERIFY AL
STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.		C.SMALL RC D.WHERE NEI EXISTING (OTHERWISI
<u>CONTRACTOR</u> SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.	۱۶	CONCRETE SHA
<u>CONTRACTOR</u> SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. <u>CONTRACTOR</u> SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES,	10.	CONSTRUCTION AND MIX CRITE
SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THEIR WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE,		<u>OF CONST</u> A. FOOTINGS SLABS-ON
CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND		B. SLABS ON DECK, STA AND TREA
STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT. <u>DRAWINGS</u> INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT		C. ALL STRUC CONCRETE
SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. WHERE INFORMATION ON THE DRAWINGS IS IN CONFLICT WITH THE SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. DO NOT SCALE THE DRAWINGS.		MIXES SHALL E THE ADDITION AND 0.45 FOR
ALL STRUCTURAL SYSTEMS WHICH ARE COMPOSED OF FIELD ERECTED COMPONENTS SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.		THE MINIMUM A PERFORMANCE APPROVAL TW THE PERFORMA COARSE AGGR
SHOP DRAWINGS FOR REINFORCING STEEL, STRUCTURAL STEEL, OPEN WEB STEEL JOISTS, AND METAL DECKING, SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.		CONCRETE YIE ADMIXTURES A PERCENTAGE C PERFORMANCE
CONTRACTOR SHALL SUBMIT WALL ELEVATION DRAWINGS OF AT LEAST 1/8" = 1'-0" SCALE INDICATING LOCATIONS OF CONNECTION EMBEDMENTS AND WALL OPENINGS FOR REVIEW PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH REINFORCEMENT SHOP DRAWINGS.		THE ATTENTION ONLY THAT INF CONTRACTOR I
SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR REVIEW.		ALL CONCRETE AIR-ENTRAINING CONCRETE SHA WEATHER AND ACCORDANCE
SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO		CONCRETE USE DAYS AS TEST SHALL NOT EXC REINFORCING S
BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.		60,000 PSI. 6 CONFORM TO A ONLY IF MATER SPECIFIED IN A
<u>DEFERRED SUBMITTALS OF DESIGN BUILD COMPONENTS</u> SHALL BEAR THE STAMP AND SIGNATURE OF A STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER AND SHALL BE APPROVED BY THE COMPONENT DESIGNER PRIOR TO CURSORY REVIEW BY THE ENGINEER OF RECORD FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE	20	2. <u>REINFORCING 9</u> 315 AND 318. I DEVELOPMENT INTERSECTIONS
CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. DEFERRED SUBMITTALS SHALL INDICATE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON BASIC STRUCTURE AND SHALL INCLUDE DESIGN CALCULATIONS WITH THE ENGINEER'S STAMP.	21	NO BARS PAR SO DETAILED "WET-SET" INTO CONCRETE PRO
THE FOLLOWING COMPONENTS SHALL BE DEFERRED SUBMITTALS FOR THIS PROJECT: BUCKLING RESTRAINED BRACES AND CONNECTIONS		FOOTINGS AND
SPECIAL INSPECTION: SHALL BE SUPERVISED BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE OWNER IN ACCORDANCE WITH SECTIONS 1704 & 1705 OF THE IBC, THE PROJECT SPECIFICATIONS, AND THE SPECIAL INSPECTION SCHEDULE AT THE END OF THE STRUCTURAL NOTES. THE TESTING AGENCY AND INSPECTOR SHALL BE REGISTERED WITH WABO AND SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR		(#6 BARS OR L (#5 BARS OR S COLUMN TIES SLABS (INTERIO
AND THE BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET PROJECT SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.	22	SLABS (INTERIO NON-SHRINK GF APPROVED MA MANUFACTUREF THE MATERIAL
	23	. <u>MECHANICAL S</u> I.C.C. APPROVE SPECIFIED YIEL

GENERAL STRUCTURAL NOTES

(The following apply unless shown otherwise on the plans)

<u>GEOTECHNICAL</u>

ES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND MENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. FOOTINGS SHALL BEAR FURBED EARTH (CONTROLLED, COMPACTED STRUCTURAL FILL OR BOTH) AT LEAST 18" ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS (OR IN INIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE THE CONTRACTOR IN THE FIELD WORKING WITH THE TESTING LAB AND GEOTECHNICAL 5 OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED UNDER COLUMNS OR WALLS

ALL RETAINING WALLS WITH FREE DRAINING GRANULAR FILL AND PROVIDE FOR AINAGE AS NOTED IN THE GEOTECHNICAL REPORT.

. DESIGN IS BASED ON THE FOLLOWING VALUES FROM THE REFERENCED GEOTECHNICAL

BEARING PRESSURE	5,000 PSF	
RESSURE (RESTRAINED/UNRESTRAINED)	55 PCF/35 PCF	
GE PRESSURE	8H PSF	
ESSURE	300 PCF	
OF FRICTION	0.40	

REPORT REFERENCE: #4565-064-09 BY GEOENGINEERS, INC. DATED OCTOBER 14, 2024.

RENOVATION

ERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING LED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE EQUENCES. EXISTING REINFORCING SHALL BE SAVED WHERE AND AS NOTED ON THE ITING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE TION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING T CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR PSF.

PENINGS THROUGH EXISTING SLABS AND BEAMS SHALL BE ACCOMPLISHED BY SAW EREVER POSSIBLE.

. EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS. ND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING, IF POSSIBLE. REINFORCING TERMINATES AT EXISTING CONCRETE, REBAR DOWELS EPOXIED INTO THE ONCRETE SHALL BE PROVIDED TO MATCH HORIZONTAL REINFORCING, UNLESS NOTED ON PLANS.

<u>CONCRETE</u>

BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301. OLERANCES SHALL NOT EXCEED THOSE LISTED IN ACI 117. STRENGTHS AT 28 DAYS A SHALL BE AS FOLLOWS:

RUCTION	28 DAY <u>STRENGTH (f'c)</u>	MAXIMUM <u>SLUMP</u>	MIN. CEMENT CONTENT PER CUBIC YARD	MAX. <u>AGGREGATE SIZE</u>
GRADE,	3,000 PSI	5"	5-1/2 SACKS	/4"
METAL R LANDING 25	3,000 PSI S	5"	5-1/2 SACKS	3/4"
TURAL	5,000 PSI	5"	7-1/2 SACKS	3/4"

PROPORTIONED SO AS NOT TO EXCEED THE MAXIMUM SLUMPS INDICATED (BEFORE ADMIXTURES). THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.55 FOR FOOTINGS LL SLABS AND EXPOSED CONCRETE.

OUNT OF CEMENT AND THE MAXIMUM SLUMP MAY BE CHANGED IF A CONCRETE 11X IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR WEEKS PRIOR TO PLACING ANY CONCRETE. (THE W/C RATIO LIMITS STILL APPLY). ICE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND SATE, WATER AND ADMIXTURES AS WELL AS THE WATER/CEMENT RATIO, SLUMP, AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 301. CHEMICAL 7 FLY ASH SHALL CONFORM TO ASTM C494 AND C618 RESPECTIVELY. FLY ASH TOTAL CEMENTITIOUS MATERIAL SHALL NOT EXCEED 20%. THE USE OF A 11X REQUIRES BATCH PLANT INSPECTION, THE COST OF WHICH SHALL BE BROUGHT TO OF THE OWNER. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES RMATION PRESENTED CONFORMS GENERALLY TO CONTRACT DOCUMENTS. AINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

NITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AGENT CONFORMING TO ASTM C260. TOTAL AIR CONTENT FOR FROST-RESISTANT . BE IN ACCORDANCE WITH ACI 318-19 TABLE 19.3.3.1. ALL CONCRETE EXPOSED TO THE LL GARAGE SLABS-ON-GRADE SHALL ATTAIN A 28-DAY STRENGTH F'C OF 4,500 PSI IN ITH ACI 318 TABLE 19.3.2.1 AND IBC SECTION 1904.

FOR ELEVATED SLABS SHALL HAVE A SHRINKAGE LIMIT OF 0.035 PERCENT AT 28 BY ASTM CI57. IF TESTING IS NOT PERFORMED, THE WATER CONTENT OF THE MIX ED 240 LB./CU. YD OF CONCRETE.

EEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT SI), GRADE 60, $f_{\rm H}$ = ADE 60 REINFORCING STEEL INDICATED ON DRAWINGS TO BE WELDED SHALL 5TM A706. REINFORCING STEEL COMPLYING WITH ASTM A615 (SI) MAY BE WELDED AL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES N.S. DI.4 ARE SUBMITTED.

EEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI P ALL REINFORCEMENTS IN ACCORDANCE WITH "THE REINFORCING SPLICE AND ENGTH SCHEDULE." PROVIDE CORNER BARS AT ALL WALL AND FOOTING LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.

ALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. NO REINFORCING BARS SHALL BE THE CONCRETE.

ECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

HER UNFORMED SURFACES CAST AGAINST EARTH	3"
S EXPOSED TO EARTH (i.e. WALLS BELOW GROUND) OR WEATHER	
GER)	2"
LLER)	- /2"
	- /2"

R FACE)

DUT SHALL BE NON-METALLIC CONFORMING TO ASTM CILOT AND BE FURNISHED BY AN FACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE 5 PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO N WHICH IT IS PLACED (8000 PSI MINIMUM).

<u>LICING</u> OF REINFORCING BARS, WHERE INDICATED ON THE DRAWINGS, SHALL BE BY AN SYSTEM (SUCH AS LENTON, FOX-HOWLETT, ETC.) AND SHALL DEVELOP 125% OF THE STRENGTH OF THE BARS.

- 24. EXPANSION BOLTS INTO CONCRETE SHALL BE "STRONG-BOLT 2 WEDGE ANCHOR", AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-3037 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION.
- 25. SCREW ANCHORS INTO CONCRETE SHALL BE "TITEN HD", AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-2713 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO VES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL SCREW ANCHOR INSTALLATION.
- 26. DRIVE PINS, SHOT PINS AND OTHER POWDER-ACTUATED FASTENERS SHALL BE LOW VELOCITY TYPE FASTENERS AS MANUFACTURED BY HILTI CORPORATION. WHEN CALLED FOR IN THE DRAWINGS, PROVIDE THE APPROPRIATE FASTENER AS NOTED IN THE TABLE BELOW FOR EACH GIVEN APPLICATION. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORTS NO. ESR-2269 FOR THE X-U FASTENERS AND ESR-2379 FOR THE X-CP FASTENERS. MINIMUM EMBEDMENT IN CONCRETE SHALL BE I' UNLESS OTHERWISE NOTED. MAINTAIN AT LEAST 3" TO NEAREST CONCRETE EDGE AND 4" CENTER TO CENTER SPACING. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. MAXIMUM EMBEDMENT IN POST TENSIONED SLABS IS 3/44.

ALLOWABLE <u>APPLICATION</u>	ALLOWABLE FASTENER TYPE	SHEAR CAP
2X TREATED LUMBER TO CONCRETE (2000 PSI MIN.)	X-CP 72 P8 523 w/ 1.33" EMBED	250
LIGHT GAUGE STEEL 33 MILS (20 GA.) MIN. TO CONCRETE (2000 PSI MIN.)	X-U 27 P8 515	190
	X-U 52 MX PLUS R-23 WASHERS	250
LIGHT GAUGE STEEL 43 & 33 MILS (18 & 20 GA.) TO STRUCTURAL STEEL (3/16" MIN. TO 11/16" MAX)	X-U 19 P8 TH	445
LIGHT GAUGE STEEL 97, 68 54 MILS (12, 14 & 16 GA.) TO STRUCTURAL STEEL (3/16" MIN. TO 11/16" MAX)	ŧ	X-U 19 P8 TI
LIGHT GAUGE STEEL (ALL G, TO STRUCTURAL STEEL (3/4" AND GREATER)	<i>٩.)</i>	X-U 19 P8 TI

27. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) INTO CONCRETE SHALL BE INSTALLED USING "SET-3G" ADHESIVE ANCHOR AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-4057, INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.

<u>STEEL</u>

28. STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON THE LATEST EDITIONS OF THE A.I.S.C. SPECIFICATIONS AND CODES

- A. AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION
- B. AISC 303-16 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

C. 2014 RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS. 29. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

- <u>TYPE OF MEMBER</u>
- A992 A. WIDE FLANGE (W AND WT) SHAPES
- B. ALL OTHER SHAPES
- C. PLATE D. PIPE SECTIONS
- E. STRUCTURAL TUBING (SQUARE OR
- RECTANGULAR)
- F. ANCHOR BOLTS AND THREADED RODS FI554 (GRADE 36)
- (EMBEDDED IN CONCRETE) G. CONNECTION BOLTS
- (7/8" ROUND, UNLESS SHOWN OTHERWISE)
- H. BUCKLING RESTRAINED BRACES

SUBSTITUTION OF MEMBER SIZES OR STEEL GRADE SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER. ALL STEEL ANCHORS AND TIES AND OTHER MEMBERS EMBEDDED IN CONCRETE SHALL BE LEFT UNPAINTED. ALL STEEL TO BE FIREPROOFED SHALL BE LEFT UNPAINTED. ALL OTHER STEEL SHALL HAVE ONE COAT OF APPROVED SHOP PAINT.

STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO WEATHER OR EARTH SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN COMPLIANCE WITH ASTM A123. GALVANIZE BOLTS AND SIMILAR THREADED FASTENERS EXPOSED TO WEATHER OR EARTH IN ACCORDANCE WITH ASTM A153. ALL FIELD WELDS EXPOSED TO WEATHER OR EARTH SHALL BE COATED WITH BRUSH APPLIED ZINC RICH PAINT COMPLYING WITH ASTM A780 (Z.R.C. OR EQUIVALENT).

A MINIMUM OF TWO BOLTS ARE REQUIRED FOR ALL CONNECTIONS. ALTERNATE CONNECTIONS TO THOSE SHOWN ON THESE DRAWINGS WILL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

ALL MEMBERS ARE TO BE ERECTED WITH THE NATURAL MILL CAMBER OR INDUCED CAMBER UP, UNLESS OTHERWISE NOTED ON THE DRAWINGS. BEAM CAMBER ON THE DRAWINGS IS THE UPWARD CAMBER REQUIRED IN THE BEAM AS DELIVERED TO THE JOBSITE. CONTRACTOR TO CONSIDER CAMBER LOSS, IF ANY, DUE TO SHIPPING AND HANDLING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES, AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES AND UNEQUAL PARTS.

BUCKLING RESTRAINED BRACES MAY VARY IN STIFFNESS BY +/-10% MAXIMUM. BUCKLING RESTRAINED BRACES SHALL BE SUPPLIED BY COREBRACE OR APPROVED EQUAL.

30. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

31. <u>STEEL DETAILING</u> SHALL BE PERFORMED BY A DETAILER WITH FIVE YEARS MINIMUM EXPERIENCE ON SIMILAR PROJECTS OF EQUAL OR LARGER COMPLEXITY AND SCOPE. QUALIFICATIONS SHALL BE SUBMITTED TWO WEEKS PRIOR TO BID.

ANCHORAGE

<u>PACITY (LBS) TENSION CAPACITY (LBS)</u>

175	
165	
175	
360	
720	535
350	375

ASTM SPECIFICATION		Fy
A992		50 KSI
A36		36 KSI
A36 OR A572		36 KSI (MIN)
A53 (TYPE E OR S, G	RADE B)	35 KSI
A500 (GRADE C)		50 KSI
F1554 (GRADE 36) OF	ર	36 KSI
F1554 (GRADE 55, SUP	P. SI)	55 KSI
F3125 GRADE A325-1	Ν	92 KSI
	Fy,min =	
	Fy,max =	40 NJI

32. ALL A325 CONNECTION BOLTS SHALL BE INSTALLED TO THE SNUG-TIGHT CONDITION PER RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. ALL NUTS SHALL CONFORM TO ASTM A563, ALL WASHERS SHALL CONFORM TO ASTM F436 OR ASTM F959 TYPE 325. ALL BOLT HOLES SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED.

33. ALL A325 CONNECTION BOLTS AT MEMBERS WHICH ARE PART OF THE LATERAL FORCE RESISTING SYSTEM SHALL BE INSTALLED TO THE SLIP-CRITICAL CONDITION PER RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. ALL FAYING SURFACES SHALL BE PREPARED AS CLASS A PER THE AISC SPECIFICATION. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436 OR ASTM F959 TYPE 325. ALL BOLT HOLES SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED.

34. ALL WELDING SHALL BE IN CONFORMANCE WITH A.I.S.C. AND A.W.S. STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING ETO XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY A.W.S.) SHALL BE USED. WELDING OF GRADE 60 REINFORCING BARS (IF REQUIRED) SHALL BE PERFORMED USING LOW HYDROGEN ELECTRODES. WELDING WITHIN 4" OF COLD BENDS IN REINFORCING STEEL IS NOT PERMITTED. SEE REINFORCING NOTE FOR MATERIAL REQUIREMENTS OF WELDED BARS. ALL WELDING SHALL BE PERFORMED BY WELDERS WITH AWS / W.A.B.O. CERTIFICATION WITH THE MATERIAL AND METHOD REQUIRED.

SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS. MINIMUM WELDING SHALL BE 3/16-INCH. THE WELDS SHOWN ARE FOR THE FINAL CONNECTIONS. FIELD WELD ARROWS ARE SHOWN WHERE A FIELD WELD IS REQUIRED BY THE STRUCTURAL DESIGN; THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL DELIVERY AND ERECTION. SEE THE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL WELDING REQUIREMENTS, ESPECIALLY AT SEISMIC CRITICAL WELDS.

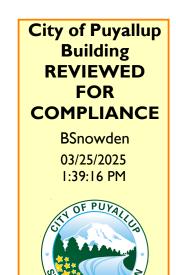
- 35. WELDING OF LATERAL FORCE RESISTING MEMBERS SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS DI.I (INCLUDING AWS DI.8 SEISMIC SUPPLEMENT) AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE WORK BEGINS. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER METAL MANUFACTURER. WELDING ELECTRODES SHALL BE ETOTT-K2 OR ETOT-6 WITH A MINIMUM SPECIFIED CHARPY V-NOTCH (CVN) OF 20 ft-lbs AT -20 DEGREES FAHRENHEIT AND 40 ft-lbs AT 70 DEGREES FAHRENHEIT
- 36. METAL FLOOR AND ROOF DECKING PROVIDE SIZE, TYPE, GAUGE, AND ATTACHMENT TO THE SUPPORTING STRUCTURE AS SHOWN ON THE PLANS. ALTERNATES MUST BE CONNECTED ACCORDING TO PUBLISHED I.C.C. OR IAPMO UES CRITERIA FOR DIAPHRAGM SHEARS SHOWN. PROVIDE SHORING WHERE REQUIRED PER MANUFACTURER'S PUBLISHED CRITERIA. ALL DECKING SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
- 37. HEADED STUDS FOR COMPOSITE CONNECTION OF STRUCTURAL STEEL TO CAST-IN-PLACE CONCRETE SHALL BE MANUFACTURED FROM MATERIAL CONFORMING TO ASTM A29 AND SHALL BE WELDED IN CONFORMANCE WITH A.W.S. REQUIREMENTS.

STRUCTURAL OBSERVATION

AS NOTED IN IBC SECTION 1704.6, STRUCTURAL OBSERVATION IS REQUIRED FOR THIS PROJECT. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, INCLUDING BUT NOT LIMITED TO, THE ELEMENTS AND CONNECTIONS AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY OF THE INSPECTIONS REQUIRED BY IBC SECTIONS 110 AND 1704.

IN OUR STRUCTURAL OBSERVATION, WE WILL SELECT PORTIONS OF WORK TO REVIEW CLOSELY AS WELL AS OBSERVE THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. SUCH REVIEW PROCEDURES WILL BE CONDUCTED IN ACCORDANCE WITH COMMONLY ACCEPTED STANDARDS OF PRACTICE. THE BUILDING OFFICIAL UNDERSTANDS THAT SUCH PROCEDURES INDICATE ACTUAL CONDITIONS ONLY WHERE THE REVIEW IS PERFORMED AND THAT THE RESULTS WILL BE INFERRED TO EXIST IN OTHER AREAS NOT REVIEWED.

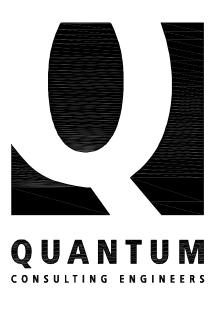
THE BUILDING OFFICIAL ALSO RECOGNIZES THAT STRUCTURAL REVIEW IS A TECHNIQUE EMPLOYED TO MINIMIZE THE RISK OF PROBLEMS ARISING DURING CONSTRUCTION. STRUCTURAL OBSERVATION BY THE DESIGN PROFESSIONAL DOES NOT CONSTITUTE WARRANTY OR GUARANTEE OF ANY TYPE. IN ALL CASES, THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR THE QUALITY OF WORK AND FOR ADHERENCE TO THE APPROVED PLANS AND SPECIFICATIONS.



The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permitee on site for inspection.

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

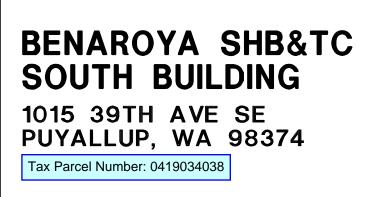


1511 THIRD AVENUE SUITE 323 SEATTLE, WA 98101 TEL 206.957.3900 FAX 206.957.3901 www.quantumce.com

PRCTI20250117

PROJECT:

SEAL:



APPROVAL:

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

	-			1	
	PERMIT	SET		12/20/24	
\triangle	PERMIT	RESUBMITTAL	SET	3/14/25	
NO.		DESCRIPTION		DATE	BY
ISSU	ES:		RE	VISIONS:	$\overline{\bigtriangleup}$
P.M.			SHT		
P.E.			ТУМ		
DRA	WN BY:		SSN		
SCA	LE:		AS SHO	NWC	
DAT	E:		12/20/2	24	
JOB	NO.		19305.0)4	
SHE	ET TITLE				

GENERAL **STRUCTURAL** NOTES

SHEET NO.

S1.0

				STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE (AISC 360-15 CHAPTER N)
INSPECTIC	QA		QC	INSPECTION TASKS PRIOR TO WELDING
MANUFACTURER'S CER	0		٩	NELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS
FASTENERS MARKED I	q		p	NPS AVAILABLE
CORRECT FASTENERS LENGTH IF THREADS A	q		p	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE
	0		0	MATERIAL IDENTIFICATION (TYPE/GRADE)
CORRECT BOLTING PR	0		0	NELDER IDENTIFICATION SYSTEM 3
CONNECTING ELEMENTS	0		0	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) JOINT PREPARATIONS
PRE-INSTALLATION VE AND DOCUMENTED FOR PROTECTED STORAGE				 DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE)
COMPONENTS			q	FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING
FASTENER ASSEMBLIES POSITIONED AS REQUI				(INCLUDING JOINT GEOMETRY) JOINT PREPARATIONS DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)
JOINT BROUGHT TO TH				CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION)
OPERATION	0		0	CONFIGURATION AND FINISH OF ACCESS HOLES
FASTENER COMPONENT FASTENERS ARE PRET PROGRESSING SYSTEM	0		0	FIT-UP OF FILLET WELDS DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION)
FREE EDGES			0	CHECK WELDING EQUIPMENT
INSPECTIC				INSPECTION TASKS DURING WELDING
DOCUMENT ACCEPTANO			0	CONTROL AND HANDLING OF WELDING CONSUMABLES
NOTES:				PACKAGING EXPOSURE CONTROL
I. QUALITY CONTROL (G RESPONSIBLE CONTR	0 I.		0	NO WELDING OVER CRACKED TACK WELDS
OTHERS WHEN REQUIT CODE (ABC), PURCHA SHALL BE PERFORME AS PERMITTED IN AC	0		0	ENVIRONMENTAL CONDITIONS WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE
2. INSPECTION TASKS A. OBSERVE (O) THE INSPECTOR	0 2.		0	NPS FOLLOWED SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS
NEED NOT BE DI B. PERFORM (P)				SHIELDING GAS TYPE/FLOW RATE PREHEAT APPLIED
THESE INSPECTION	2			INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) PROPER POSITION (F, V, H, OH)
3. THE FABRICATOR OF WHO HAS WELDED A LOW-STRESS TYPE.	0		0	NELDING TECHNIQUES INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS
4. WHEN WELDING OF DO THE K-AREA, VISUALI	4.			EACH PASS MEETS QUALITY REQUIREMENTS
5. AFTER ROLLED HEAN	р 5.		p	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS
A3.ID) ARE WELDED,				INSPECTION TASKS AFTER WELDING
	0		0	NELDS CLEANED
	q		P	SIZE, LENGTH AND LOCATION OF WELDS
	P		P	NELDS MEET VISUAL ACCEPTANCE CRITERIA CRACK PROHIBITION WELD/BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE
				UNDERCUT POROSITY
	p		P	ARC STRIKES
	p		p	<-AREA (4)
	p		P	NELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES 5
	p		p	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)
	p		p	REPAIR ACTIVITIES
	p		p	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER
	<u> </u>	+	+	NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR

SPECIAL INSPECTION SCHEDULES

STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE (AISC 360-15 CHAPTER N)		
SPECTION TASKS PRIOR TO HIGH STRENGTH BOLTING	QC	QA
R'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	0	ρ
RKED IN ACCORDANCE WITH ASTM REQUIREMENTS	0	0
TENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT EADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	0	0
TING PROCEDURE SELECTED FOR JOINT DETAIL	0	0
LEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION PARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	0	0
TION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED TED FOR FASTENER ASSEMBLIES AND METHODS USED	ρ	0
ORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER	0	0
SPECTION TASKS DURING HIGH STRENGTH BOLTING		
EMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE B REQUIRED	0	0
T TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING	0	0
IPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	0	0
RE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE	0	0
SPECTION TASKS AFTER HIGH STRENGTH BOLTING		
CEPTANCE OR REJECTION OF BOLTED CONNECTIONS	ρ	ρ

TROL (QC) SHALL BE PROVIDED BY THE FABRICATOR, ERECTOR OR OTHER CONTRACTOR AS APPLICABLE. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY I REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLICABLE BUILDING PURCHASER, OWNER OR ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING (NDT) RFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT N ACCORDANCE WITH AISC 360-16 SECTION NG.

ECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS T BE DELAYED PENDING OBSERVATIONS.

SPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

FOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER DED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE

S OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD.

D HEAVY SHAPES (SEE SECTION A3.IC) AND BUILT-UP HEAVY SHAPES (SEE SECTION ELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

STRUCTURAL STEEL SEISMIC FORCE RESISTING SYSTEM SPECIAL INSPE (AISC 341-15 CHAPTER J)	CTION S	CHEDUL	£		STRUCTURAL STEEL SEISMIC FORCE RESISTING SYSTEM SPECIAL INSPECT (AISC 341-15 CHAPTER J)	rion sch	EDULE	
	6	x	a	A		QC		QA
VISUAL INSPECTION TASKS PRIOR TO WELDING	TASK	DOC.	TASK	DOC.	INSPECTION TASKS PRIOR TO HIGH STRENGTH BOLTING	TASK D	OC. TAS	5К DOC.
MATERIAL IDENTIFICATION (TYPE/GRADE)	0	-	0	-	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL	0	- 0) _
WELDER IDENTIFICATION SYSTEM	0	-	0	-	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	0	- 0) _
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) -JOINT PREPARATION	P/0 3	-	0	-	CONNECTING ELEMENTS, INCLUDING THE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	0	- C) _
-DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) -CLEANLINESS (CONDITION OF STEEL SURFACES) -TACKING (TACK WELD QUALITY AND LOCATION)					PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED FOR FASTENER ASSEMBLIES AND METHODS USED	q	D C	D D
-BACKING TYPE AND FIT (IF APPLICABLE) CONFIGURATION AND FINISH OF ACCESS HOLES	0	-	0	-	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	0	- C) _
FIT-UP OF FILLET WELDS	P/0	-	0	_	INSPECTION TASKS DURING HIGH STRENGTH BOLTING	-		
-DIMENSIONS (ALIGNMENT, GAPS AT ROOT) -CLEANLINESS (CONDITION OF STEEL SURFACES) -TACKING (TACK WELD QUALITY AND LOCATION)	3				FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	0	- 0) _
VISUAL INSPECTION TASKS DURING WELDING					JOINT BROUGHT TO THE SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	0	- 0) _
WPS FOLLOWED -SETTINGS ON WELDING EQUIPMENT	0	-	0	-	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	0	- c) _
-TRAVEL SPEED -SELECTED WELDING MATERIALS -SHIELDING GAS TYPE/FLOW RATE					BOLTS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	0	- 0) _
-PREHEAT APPLIED -INTERPASS TEMPERATURE MAINTAINED (MIN/MAX.)					INSPECTION TASKS AFTER HIGH STRENGTH BOLTING			
-PROPER POSITION (F, \lor , H, OH) -INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED					DOCUMENT ACCEPTED AND REJECTED CONNECTIONS	p	DP	ס י
USE OF QUALIFIED WELDERS	0	-	0	-	OTHER INSPECTION TASKS	I I		
CONTROL AND HANDLING OF WELDING CONSUMABLES -PACKAGING -EXPOSURE CONTROL	0	-	0	-	RBS REQUIREMENTS, IF APPLICABLE -CONTOUR AND FINISH -DIMENSIONAL TOLERANCES	ρ	DP	D
ENVIRONMENTAL CONDITIONS -WIND SPEED WITHIN LIMITS -PRECIPITATION AND TEMPERATURE	0	-	0	-	PROTECTED ZONE -NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE	p	D P	ע י
WELDING TECHNIQUES -INTERPASS AND FINAL CLEANING -EACH PASS WITHIN PROFILE LIMITATIONS -EACH PASS MEETS QUALITY REQUIREMENTS	0	-	0	-	NOTES: I. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR, ERECTOR C RESPONSIBLE CONTRACTOR AS APPLICABLE. QUALITY ASSURANCE (QA) SHALL			 Ƴ
NO WELDING OVER CRACKED TACKS	0	-	0	-	OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), APPLIC CODE (ABC), PURCHASER, OWNER OR ENGINEER OF RECORD (EOR). NONDESTRUC	CABLE B	UILDING STING (NI)
VISUAL INSPECTION TASKS AFTER WELDING		1	1	1	SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY A AS PERMITTED IN ACCORDANCE WITH AISC 360-16 SECTION NG.	SSURANC	CE, EXCE	PT
WELDS CLEANED	0	-	0	-	2. INSPECTION TASKS			
SIZE, LENGTH, AND LOCATION OF WELDS	p	-	p	-	A. OBSERVE (O) THE INSPECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY E NEED NOT BE DELAYED PENDING OBSERVATIONS.	BASIS. O	PERATIC	NS
WELDS MEET VISUAL ACCEPTANCE CRITERIA -CRACK PROHIBITION -WELD/BASE-METAL FUSION -CRATER CROSS SECTION	β	D	p	D	B. PERFORM (P) THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTA	NCE OF	THE ITEM	1.
-WELD PROFILES AND SIZE -UNDERCUT -POROSITY					C. DOCUMENT (D) THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HA IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR (PROVID	E DETAIL	ED
K-AREA (4)	p	D	P	D	ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL IND	DICATE T	HE	
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	p	D	p	D	REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.	BEEN	PLIANCE	
BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLET WELDS ADDED (IF REQUIRED)	q	ס	p	D	3. FOLLOWING PERFORMANCE OF THIS INSPECTION TASK FOR TEN WELDS TO BE M WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS	1ADE BY		
REPAIR ACTIVITIES	p	-	p	D	OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOU	F THIS TA	ASK SHA	LL

BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THAT THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.

4. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD. THE VISUAL INSPECTION SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.

The final special inspection report must be on site during City inspections.



SHEET NO.

SCHEDULES

PERMIT SET

SPECIAL INSPECTION

		361		12/20/24	
\triangle	PERMIT	RESUBMITTAL	. SET	3/14/25	
NO.		DESCRIPTION		DATE	BY
ISSL	ES:		RE	VISIONS:	\triangle
P.M.			SHT		
P.E.			ТУМ		
DRAWN BY:		SSN			
SCALE:		AS SHO	OWN		
DATE:		12/20/24			
JOB	NO.		19305.0)4	
SHE		:			

12/20/24



1511 THIRD AVENUE SUITE 323 SEATTLE, WA 98101 TEL 206.957.3900 FAX 206.957.3901 www.quantumce.com

BENAROYA SHB&TC

City of Puyallup velopment & Permitting Ser ISSUED PERMIT

Fire Traffic

Building Engineering

SOUTH BUILDING

PUYALLUP, WA 98374

1015 39TH AVE SE



SEAL:

PROJECT:

APPROVAL:

		SPECIAL INSPECTION SCHEDULE			
SEE NOTES \$ 2					
			CONTINUOUS	PERIODIC	REMARKS
FOUNDATION		EXCAVATION, GRADING AND FILL	X		BY GEOTECHNICAL ENGINEER
	2	FINAL FOUNDATION PREPARATION	X		BY GEOTECHNICAL ENGINEER
	3	PLACEMENT OF FOUNDATION AND RETAINING WALL BACKFILL	X		BY GEOTECHNICAL ENGINEER
CONCRETE		INSPECTION OF REINFORCING STEEL, INCLUDING MECHANICAL SPLICES AND PLACEMENT		Х	
\wedge	2	INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED	X		
	3	VERIFYING USE OF REQUIRED DESIGN MIX		Х	
	4	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		
	5	INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		
	6	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		Х	
	5	INSPECTION OF EMBED PLATES AND OTHER EMBEDDED ITEMS PRIOR TO AND DURING PLACEMENT OF CONCRETE		Х	
DRILLED IN		PLACEMENT OF ADHESIVE ANCHORS, RODS AND DOWELS	×		SEE NOTE 3
ANCHORS	2	PLACEMENT OF EXPANSION AND SCREW ANCHORS		Х	SEE NOTE 3
ARCHITECTURAL COMPONENTS	1	DURING ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR NON-BEARING WALLS, AND INTERIOR AND EXTERIOR VENEER		Х	SEE NOTE 5
MECHANICAL AND ELECTRICAL		DURING ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS		Х	
COMPONENTS	2	DURING INSTALLATION OF PIPING SYSTEMS INTENDED TO CARRY FLAMMABLE, COMBUSTIBLE OR HIGHLY TOXIC CONTENTS AND THEIR ASSOCIATED MECHANICAL UNITS		Х	
APPROVED FABRICATORS	Ι	APPROVED FABRICATORS MUST SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL OFFSITE FABRICATORS SUCH AS STRUCTURAL STEEL, GLULAMS, PRECAST CONCRETE, ETC.			
PREFABRICATED CONSTRUCTION	I				SEE NOTE 4

NOTES:

- I. THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS REFER TO THE PROJECT SPECIFICATIONS, THE STRUCTURAL NOTES, AND THE NOTES BELOW. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
- 2. CONTINUOUS INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (IBC 1702). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE.
- 3. INSPECTION OF DRILLED ANCHORS, INCLUDING EXPANSION AND ADHESIVE GROUTED ANCHORS, WHERE SPECIFIED, SHALL INCLUDE VISUAL VERIFICATION OF DRILLED HOLE DEPTH, SPACING, EDGE DISTANCES AND HOLE CLEANING. FOR GROUTED ANCHORS, GROUT INSTALLATION SHALL BE OBSERVED AND GROUT PRODUCT SPECIFICATION AND PREPARATION SHALL BE VERIFIED.
- 4. INSPECTION OF PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
- 5. EXCEPTIONS SPECIAL INSPECTION IS NOT REQUIRED FOR:
- a) CLADDING AND VENEER WEIGHING 5 PSF OR LESS.
- b) INTERIOR NON-BEARING WALLS WEIGHING 15 PSF OR LESS.
- c) ARCHITECTURAL COMPONENTS IN STRUCTURES 30 FEET OR LESS IN HEIGHT.

1705.13.6 Plumbing, mechanical and electrical components.

Periodic special inspection of plumbing, mechanical and electrical components shall be required for the following: 1. Anchorage of electrical equipment for emergency and standby power systems in structures assigned to Seismic Design Category C, D, E or F. 2. Anchorage of other electrical equipment in structures assigned to Seismic Design Category E or F. 3. Installation and anchorage of piping systems designed to carry hazardous materials and their associated mechanical units in structures assigned to Seismic Design Category C, D, E or F. 4. Installation and anchorage of ductwork designed to carry hazardous materials in structures assigned to Seismic Design Category C, D, E or F.

5. Installation and anchorage of vibration isolation systems in structures assigned to Seismic Design Category C, D, E or F where the approved construction documents require a nominal clearance of 1/4 inch (6.4 mm) or less between the equipment support frame and restraint. 6. Installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic sprinkler systems are installed in structures assigned to Seismic Design Category C, D, E or F to verify one of the following: 6.1. Minimum clearances have been provided as required by Section 13.2.3 ASCE/SEI 7.

6.2. A nominal clearance of not less than 3 inches (76 mm) has been be provided between automatic sprinkler system drops and sprigs and: structural members not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping. Where flexible sprinkler hose fittings are used, special inspection of minimum clearances is not required.

ABBREVIA	TIONS	
At	L	Angle
y (Nails)	LB.	Pound
ameter	LL	Live Load
Pegrees	LLH	Long Leg Horizontal
Pounds	LLV	Long Leg Vertical
Number	LONGIT.	Longitudinal
	LT. WT.	Lightweight
Above or Bolt	MAX.	Maximum
Iditional	MECH.	Maximum Mechanical
ternate	MEZZ.	Mezzanine
oximate	MF	Moment Frame
chitect	MFR.	Manufacturer
Design	MIN.	Minimum
	MISC.	Miscellaneous
Below	MK.	Mark
ttom of	()	
l Frame	(N)	New
Blocking	N.	North
Building Beam	N.S. NOM.	Near Side Nominal
Bottom	NTS	Not to Scale
Bearing		
etween	0.C.	On Center
	0.D.	Outside Diameter
nterline	O.F.	Outside Face
Camber	O.H.	Overhang
n Place	OPNG.	Opening
ol Joint atration	OPP.	Opposite
etration Ceiling	₽∆⊏	Daudon Astustad Factors
Ceiling	PAF PC	Powder Actuated Fastener Precast
Clear Doru Unit	PC PEMB	Precast Pre-engineered Metal Building
onry Unit Column	PERM.	Pre-engineered Metal Building Permanent
oncrete	PERP.	Permanent Perpendicular
lections	pjp	Partial Joint Penetration
truction	PL or PL	Plate
ntinuous	PLF	Pounds per linear Foot
ntersink	PLYWD	' Plywood
	PREFAB.	Prefabricated
Anchor	PSF	Pounds per Square Foot
Double	PS	Pounds per Square Inch
Degree	P.T. or PT	Post-Tensioning
r-Larch	P/T	Pressure-Treated
lameter Viggonal		Padius
Piagonal	RAD. REF.	Radius Reference
phragm mension	REINF.	Reinforce or Reinforcement
Down	REQD.	Required
Ditto	REV.	Revise
Detail	R.O.	Rough Opening
o Plate		
Drawing	5.	South
F. datia a	SCH. or SCH	
Existing East	SECT. SHT.	Section Sheet
Each	SIM.	Similar
th Face	SOG	Slab On Grade
evation	SPEC.	Specification
levator	SQ.	' Square
Length	SQ. FT.	Square Feet
ngineer	SQ. IN.	Square Inch(es)
Equal	SPF	Spruce-Pine-Fir
ach Way	5.5.	Stainless Steel
pansion Exterior	STD. STIFF.	Standard Stiffener
	STL.	Steel
Indation	STR.	Structural
Finish	SUB.	Substitute
Floor	SYM.	Symmetrical
Polymer	_ /	
ar Side	T/	Top of
or Feet	T\$B	Top and Bottom
Footing	T&G TEMP.	Tongue & Groove
Gauge	THRU	Temporary Through
vanized	T.O.C.	Top of Concrete
minated	T.O.S.	Top of Steel
Board	T.O.W.	Top of Wall
	TRANS.	Transverse
vanized	TS	Tube Steel
Header	TYP.	Typical
Hem Fir Hanaer		Inland Othersuite - Matter
Hanger rizontal	U.O.N.	Unless Otherwise Noted
Section	VERT.	Vertical
Height		Verify in Field
ameter	Μ.	West
e Face	W/ or w/	With
Inch	W.H.S.	Welded Headed Stud
rmation Interior	W/O	Without Work Roint
Interior	W.P. W.T.S.	Work Point Welded Threaded Stud
Joint	MWF	Melded Mire Fabric
	n 68 Fl	
Kips	X SECT.	Cross Section
re Foot	X-STR	Extra Strong

Extra Strong Double Extra Strong

At Penny (Nails) Diameter Degrees Pounds Number Above Anchor Bolt ADD'L Additional Alternate APPROX. Approximate ARCH. Architect A.S.D. Allowable Stress Design Below Bottom of Braced Frame BLKG. Blocking BLDG. Building Beam Bottom Bearing BTWN. Between CL or Q Centerline Camber Cast In Place Construction Joint or Control Joint Complete Joint Penetration Ceiling Clear Concrete Masonry Unit Column CONC. Concrete CONN. Connections CONST. Construction CONT. Continuous Countersink Deformed Bar Anchor Double Deqree Doug Fir-Larch Diameter DIAG. Diaqonal DIAPH. Diaphragm Dimension Down Ditto Detail Double Top Plate Drawing Existing East Each Each Face Elevation ELEV. Elevator EMBED. Embedment Length ENGR. Engineer Equal Each May Expansion Exterior Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauqe GALV. Galvanized Glue Laminated Gypsum Wall Board Hot Dipped Galvanized Header Hem Fir Hanger HORIZ. Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior Joint

(A)

A.B.

ALT.

BF

BM.

BOT.

BRG.

CIP

C.J.

CJP

CLG.

CLR.

CMU

COL.

CSK.

DBA

DBL.

DEG.

DF

DIA.

DIM.

DTL.

DTP

DWG.

EA.

E.F.

EL.

EQ.

E.M.

EXP.

EXT.

FDN.

FIN.

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FRP

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FT.

FTG.

GA.

GL GMB

HDG

HDR.

HGR.

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ΗT

I.D.

INFO.

INT.

KSF

KSI

ЦЕ

DN. DO

> Kips Kips per Square Foot Kips' per Square Inch XX-STR



SHEET NO.

SPECIAL INSPECTION SCHEDULE, ABBREVIATIONS

-					
NO.	DESCRIPTION		DATE	BY	
ISSU	IES:	RE	VISIONS:		
P.M.		SHT			
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DRA	WN BY:	SSN			
SCALE:		AS SHOWN			
DATE:		12/20/24			
JOB NO.		19305.0)4		
SHE	ET TITLE:				

	PERMIT	SET	12/20/24	
\wedge		RESUBMITTAL SET	3/14/25	
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NO.		DESCRIPTION	DATE	BY
ISSU	ES:	R	EVISIONS:	\triangle



BENAROYA SHB&TC

City of Puyallup

Building Planning

Engineering Public Works

Fire

velopment & Permitting Servic

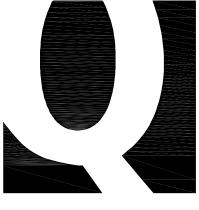
SOUTH BUILDING

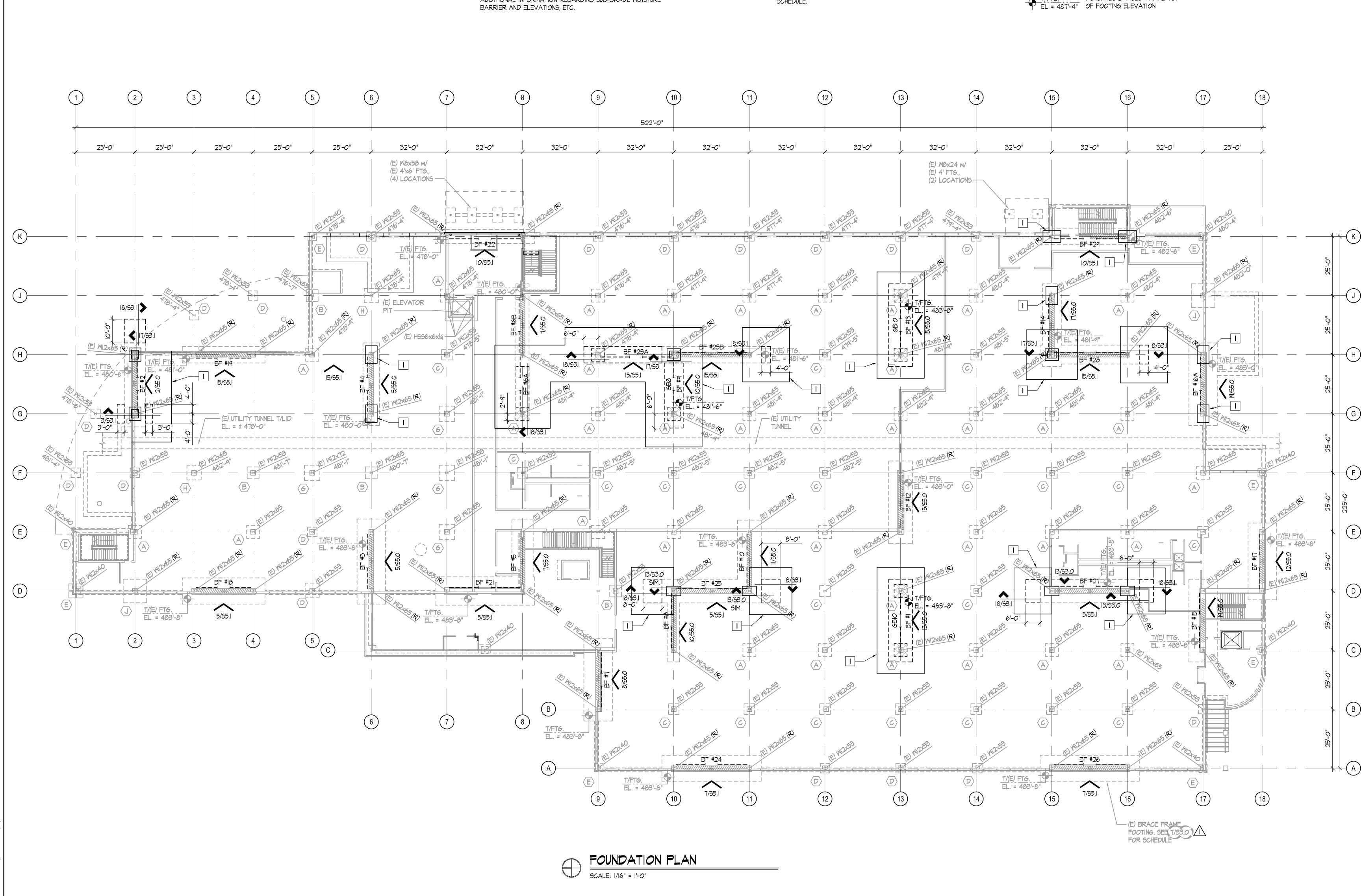
1015 39TH AVE SE PUYALLUP, WA 98374

SEAL:

PROJECT:

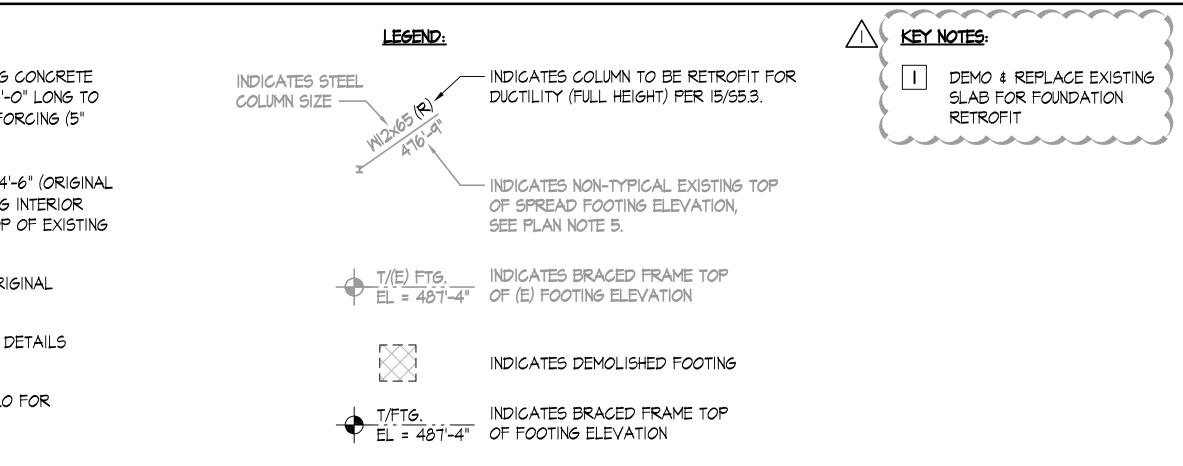
APPROVAL:





FOUNDATION PLAN NOTES:

- I. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 2. ALL EXISTING INFORMATION IS TO BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 3. SEE SHEETS SI.O AND SI.I FOR GENERAL STRUCTURAL NOTES AND ABBREVIATIONS. SEE SHEET S3.0 FOR TYPICAL CONCRETE AND FOUNDATION DETAILS. SEE SHEETS 55.0 AND 55.1 FOR TYPICAL BRB FRAME ELEVATIONS.
- 4. SLAB-ON-GRADE SHALL BE 6" THICK CONCRETE REINFORCED WITH #4 @ 16" O.C. EACH WAY, U.O.N. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SUB-GRADE MOISTURE
- 5. WHERE NEW CONCRETE IS CAST AGAINST EXISTING CONCRETE FOUNDATIONS, DRILL AND EPOXY #4 DOWELS X 3'-O" LONG TO LAP WITH THE NEW FOOTING LONGITUDINAL REINFORCING (5" MINIMUM EMBEDMENT), U.O.N.
- 6. PROJECT TOP OF SLAB (T.O.S.) ELEVATION IS 484'-6" (ORIGINAL CONSTRUCTION DATUM). TYPICAL TOP OF EXISTING INTERIOR FOOTING ELEVATION = 483'-8" U.O.N. TYPICAL TOP OF EXISTING EXTERIOR FOOTING ELEVATION VARIES.
- 7. COLUMNS INDICATED ARE AT THIS LEVEL. ALL ORIGINAL CONSTRUCTION COLUMNS ARE A36 GR. 36.
- 8. Fx.X INDICATES SPREAD FOOTING TYPE, SEE DETAILS FOR REINF. AND DIMENSIONS
- 9. XX INDICATES EXISTING FOOTING. SEE 5/S3.0 FOR SCHEDULE.





SHEET NO.

FOUNDATION PLAN

	PERMIT	SET		12/20/24		
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SCALE:		AS SHOWN				
DATE:		12/20/24				
JOB	NO.		19305.0)4		
SHE	ET TITLE	:				

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

QUANTUM 1511 THIRD AVENUE SUITE 323 SEATTLE, WA 98101 TEL 206.957.3900 FAX 206.957.3901

PRCTI20250117



BENAROYA SHB&TC

City of Puyallup evelopment & Permitting Service ISSUED PERMIT

Building Planning

Engineering Public Works

SOUTH BUILDING

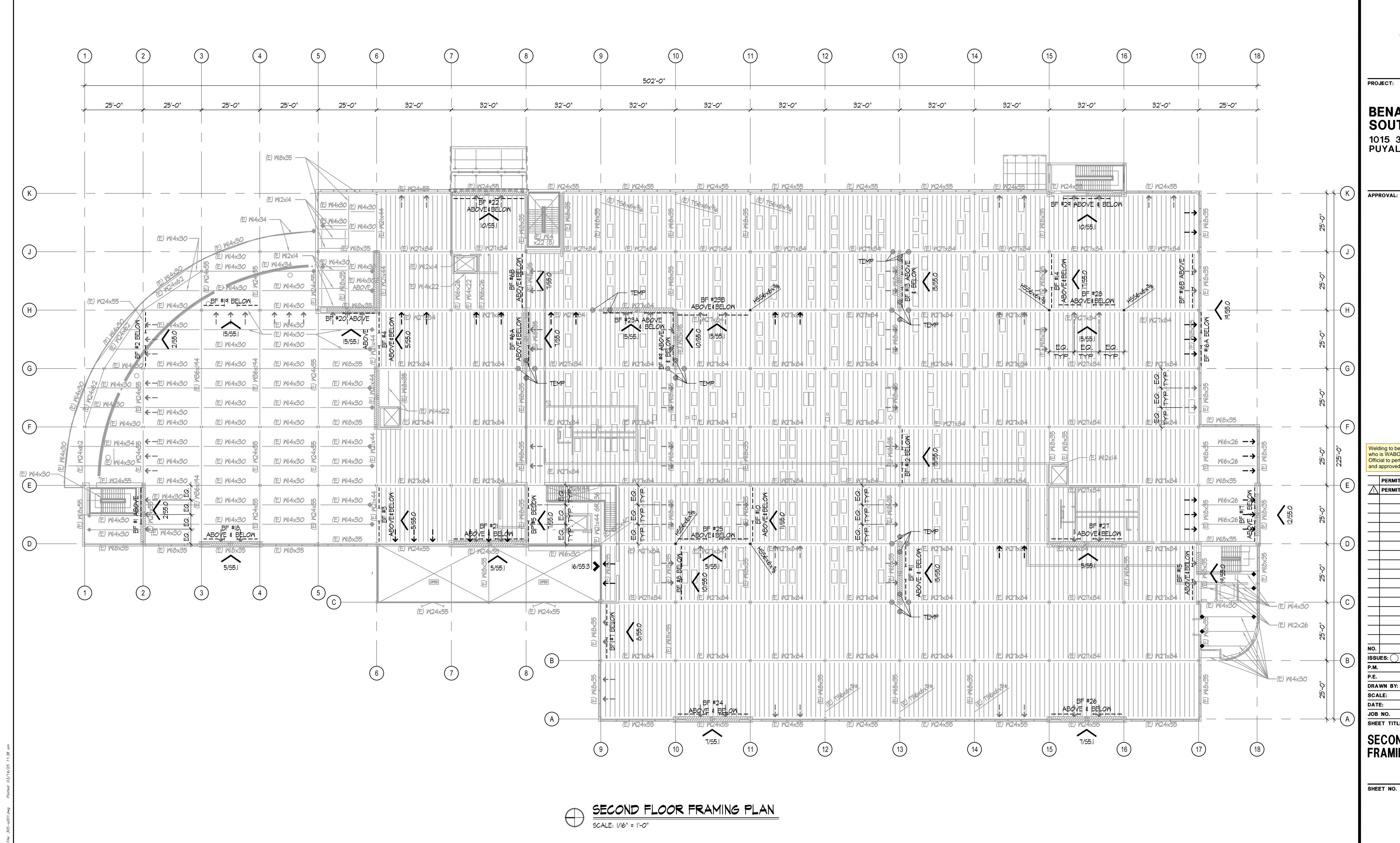
PUYALLUP, WA 98374

1015 39TH AVE SE

SEAL:

PROJECT:

APPROVAL:



SECOND FLOOR FRAMING PLAN NOTES:

- I. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 2. ALL EXISTING INFORMATION IS TO BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 3 SEE SHEETS SI.O AND SI.I FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
- 4. FINISH FLOOR EL. = 504'-6", TO MATCH EXISTING. FIELD VERIFY.
- 5. TYPICAL EXISTING FLOOR SYSTEM NORTH OF GRID 6 IS 3-1/2" CONCRETE OVER 3" 20 GA. COMPOSITE METAL DECK (6-1/2" TOTAL). TYPICAL EXISTING FLOOR SYSTEM SOUTH OF GRID 6 IS 2-15/16" CONCRETE OVER 9/16" SHALLOW DECK (3-1/2" TOTAL).
- 6. ALL ORIGINAL CONSTRUCTION BEAMS ARE A572 GR. 50 U.O.N.

LEGEND:

- $- \rightarrow$ $\leftarrow -$ DENOTES BRACED FRAME WITH NEW BUCKLING RESTRAINED BRACES ABOVE THIS LEVEL
- -→ INDICATES LOCATION OF (N) BOTTOM FLANGE BRACING FOR (E) W-SHAPE BEAM PER 3/55.3.
- INDICATES LOCATION OF (N) BOTTOM FLANGE BRACING FOR (E) W-SHAPE BEAM PER 20/55.2.
- TEMP INDICATES ESTIMATED LOCATIONS OF BEAMS THAT MAY REQUIRE SHORING DURING CONSTRUCTION. SHORING IS MEANS AND METHODS AND SHALL BE VERIFIED BY THE CONTRACTOR

<u>KEY NOTES</u>:

REINFORCE BEAMS WITH STEEL PLATES



SHEET NO.

SECOND FLOOR FRAMING PLAN

who Offic	is WABO	completed by an certified or appro orm the work. All by a WABO certi	ved by th welds mu	e Building ist be inspe	cted
	PERMIT	SET		12/20/24	
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DATE:		12/20/24			
JOB			19305.0)4	
SHE	ET TITLE	:			

1511 THIRD AVENUE SUITE 323 SEATTLE, WA 98101 TEL 206.957.3900 FAX 206.957.3901 www.quantumce.com

PRCTI20250117



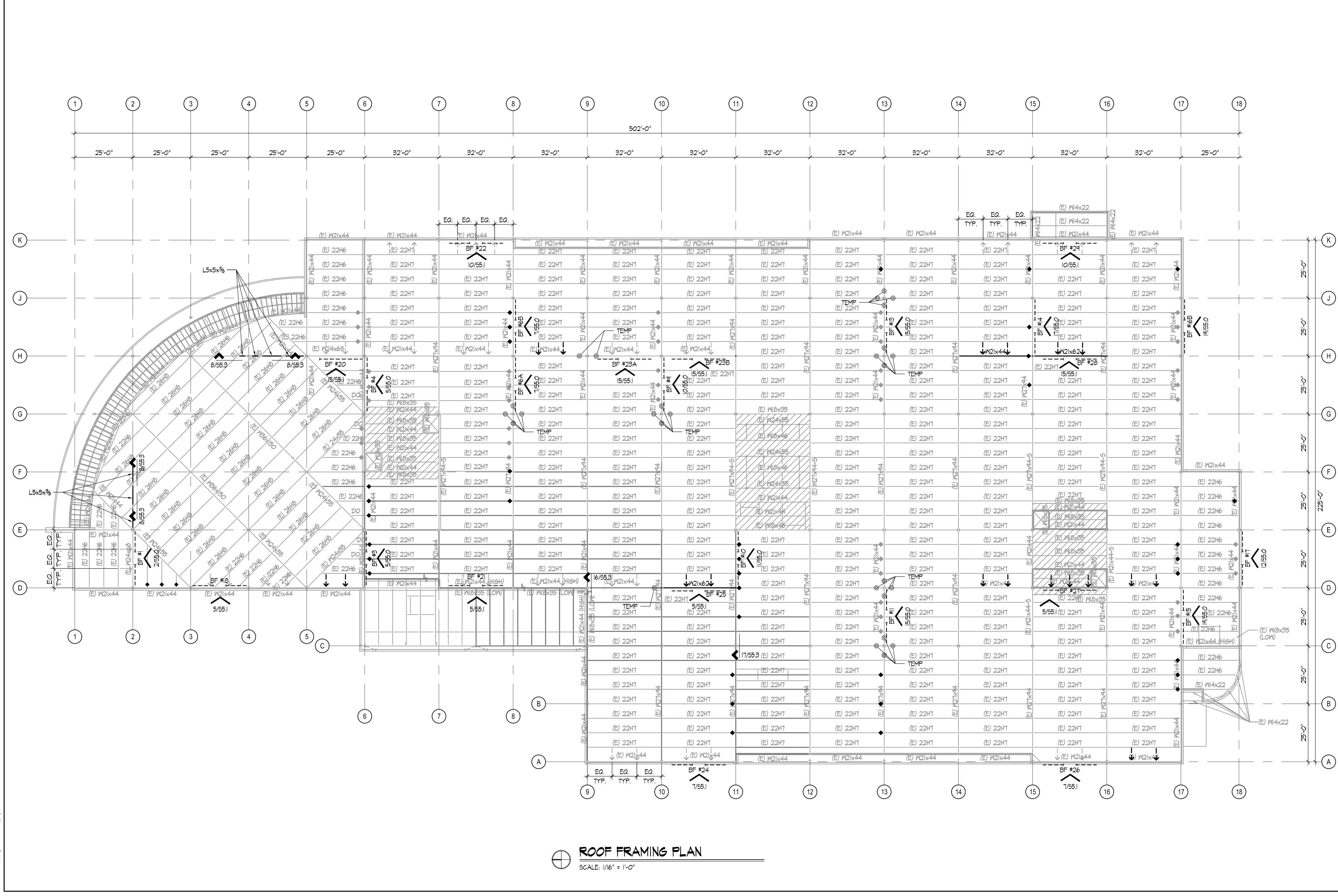
City of Puyallup evelopment & Permitting Service ISSUED PERMIT

Building Planning

Engineering Public Works

PROJECT:

SEAL:



ROOF FRAMING PLAN NOTES:

- I. ALL DIMENSIONS AND ELEVATIONS ON THE STRUCTURAL PLANS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 2. ALL EXISTING INFORMATION IS TO BE FIELD VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER IMMEDIATELY.
- 3. SEE SHEETS SI.O AND SI.I FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
- 4. TOP OF STEEL JOISTS: AT RIDGE 522'-2", AT VALLEY: 521'-6". TO MATCH EXISTING - FIELD VERIFY.
- 5. TYPICAL ROOF SYSTEM 1-1/2" 20 GA. HSB-36 (Fy = 33 KSI) METAL ROOF DECK.
- 6. ALL ORIGINAL CONSTRUCTION W27 \$ 36 BEAMS ARE A572 GR. 50. ALL OTHER ORIGINAL CONSTRUCTION BEAMS ARE A36 GR. 36.

LEGEND:

->	INDICATES LOCATION OF (N) BOTTOM FLANGE BRACING FOR (E) W-SHAPE BEAM PER 3/S5.3.
♦	INDICATES LOCATION OF (N) BOTTOM FLANGE

BRACING FOR (E) W-SHAPE BEAM PER 20/55.2.

TEMP INDICATES ESTIMATED LOCATIONS OF BEAMS THAT MAY REQUIRE SHORING DURING CONSTRUCTION. SHORING IS MEANS AND METHODS AND SHALL BE VERIFIED BY THE CONTRACTOR

(E) W27x94-S INDICATES PREVIOUSLY STRENGTHENED BEAM



SHEET NO.

FRAMING PLAN

ROOF

$\underline{\wedge}$	PERMIT	RESUBMITTAL	SET	3/14/25	
NO.		DESCRIPTION		DATE	BY
ISSU	ES: 🔿		RE	VISIONS:	\square
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DATE:		12/20/24			
JOB	NO.		19305.0)4	
SHE	ET TITLE				

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

PERMIT SET

12/20/24

velopment & Permitting Service Building Planning Engineering Public Works Fire

City of Puyallup

PROJECT:

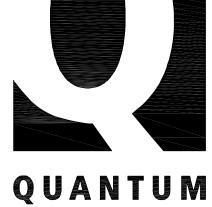
APPROVAL:





SEATTLE, WA 98101 TEL 206.957.3900 FAX 206.957.3901 www.quantumce.com

CONSULTING ENGINEERS 1511 THIRD AVENUE

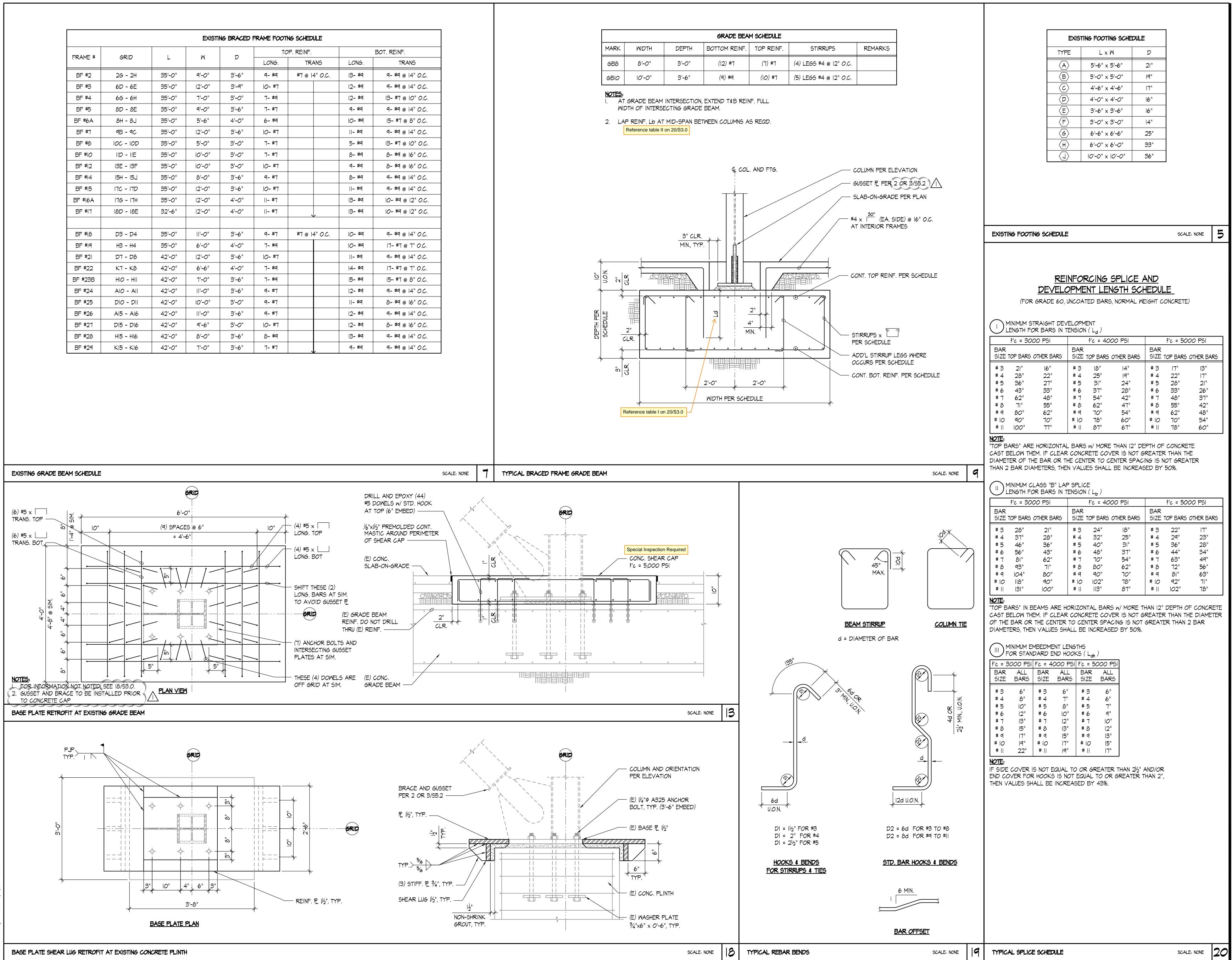


PRCTI20250117

SUITE 323

SEAL:

			EXISTI	NG BRACED	FRAME FOOT	NG SCHEDULE		
FRAME #	GRID	1	W	D	ТС	DP. REINF.		В
	GRID		N		LONG.	TRANS	LONG.	
BF #2	2G - 2H	35'-0"	9'-0"	3'-6"	9- #9	#7 @ 4" O.C.	13- #9	
BF #3	6D - 6E	35'-0"	12'-0"	3'-9"	10- #7		12- #9	
BF #4	6G - 6H	35'-0"	7'-0"	3'-0"	7- #9		12- #9	
BF #5	8D - 8E	35'-0"	9'-0"	3'-6"	7- #7		q- #q	
BF #6A	L8 - H8	35'-0"	5'-6"	4'-0"	6- #9		10- #9	
BF #7	9B - 9C	35'-0"	12'-0"	3'-6"	10- #7		- #9	
BF #8	10C - 10D	35'-0"	5'-0"	3'-0"	7- #7		5- #9	
BF #IO	IID - IIE	35'-0"	10'-0"	3'-0"	7- #7		8- #9	
BF #12	13E - 13F	35'-0"	10'-0"	3'-0"	10- #7		9- #9	+
BF #14	15H - 15J	35'-0"	8'-0"	3'-6"	9- #7		8- #9	1
BF #15	17C - 17D	35'-0"	12'-0"	3'-6"	10- #7		- #9	1
BF #I6A	17G - 17H	35'-0"	12'-0"	4'-0"	- #7		13- #9	+
BF #17	18D - 18E	32'-6"	12'-0"	4'-0"	- #7		13- #9	
						× ×		+
BF #I8	D3 - D4	35'-0"	11'-0"	3'-6"	9- #7	#7 @ 4" O.C.	10- #9	
BF #19	H3 - H4	35'-0"	6'-0"	4'-0"	7- #9		10- #9	1
BF #21	D7 - D8	42'-0"	12'-0"	3'-6"	10- #7		- #9	1
BF #22	K7 - K8	42'-0"	6'-6"	4'-0"	7- #9		14- #9	1
BF #23B	HIO - HII	42'-0"	7'-0"	3'-6"	7- #9		15- #9	1
BF #24	AIO - AII	42'-0"	11'-0"	3'-6"	9- #7		12- #9	+
BF #25	DIO - DII	42'-0"	10'-0"	3'-0"	9- #7		- #9	+
BF #26	AI5 - AI6	42'-0"	11'-0"	3'-6"	9- #7		12- #9	\uparrow
BF #27	DI5 - DI6	42'-0"	9'-6"	3'-0"	10- #7		12- #9	\uparrow
BF #28	HI5 - HI6	42'-0"	8'-0"	3'-6"	8- #9		13- #9	+
BF #29	KI5 - KI6	42'-0"	7'-0"	3'-6"	7- #7		9- #9	+





CONCRETE DETAILS

and	approved	by a WABO certi	fied speci	al inspecto	r.
	PERMIT	SET		12/20/24	
\triangle	PERMIT	RESUBMITTAL	SET	3/14/25	
NO.		DESCRIPTION		DATE	BY
ISSU	ES:		RE	VISIONS:	$\overline{\Delta}$
P.M.			SHT		
P.E.	P.E.		TVM		
DRAWN BY:		SSN			
SCALE:		AS SH	NWC		
DATE:		12/20/24			
JOB	NO.		19305.0)4	
SHE	ET TITLE				

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected

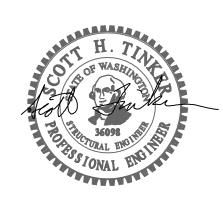
City of Puyallup elopment & Permitting Servic ISSUED PERMIT Building Planning Engineering Public Works Fire

PROJECT:

APPROVAL:

SEAL:





QUANTUM CONSULTING ENGINEERS

1511 THIRD AVENUE

SEATTLE, WA 98101

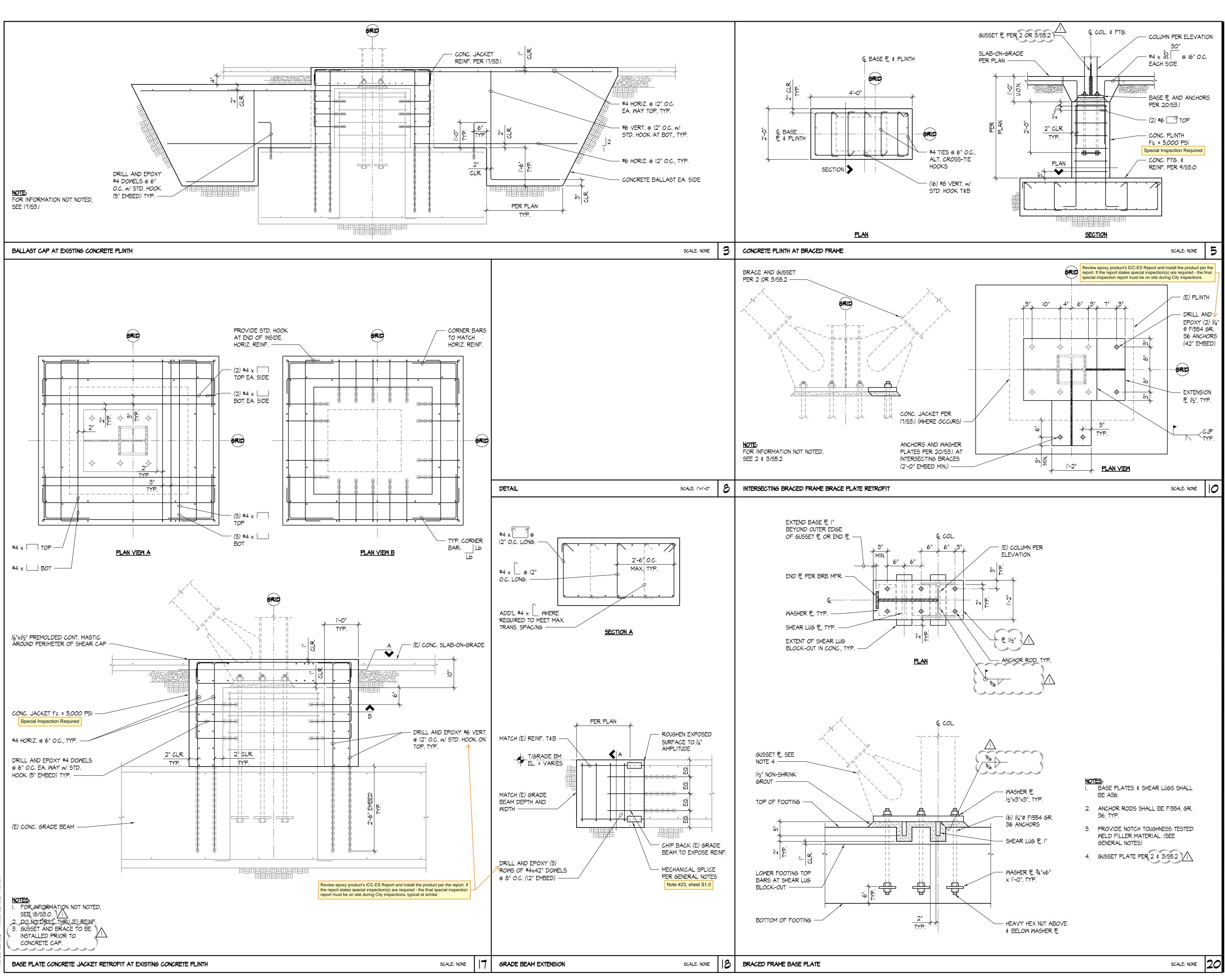
TEL 206.957.3900

FAX 206.957.3901

www.quantumce.com

PRCTI20250117

SUITE 323





CONCRETE DETAILS

and	approved	by a WABO certi	fied speci	al inspecto	r.
	PERMIT	SET		12/20/24	
$\overline{\mathbb{A}}$	PERMIT	RESUBMITTAL	SET	3/14/25	
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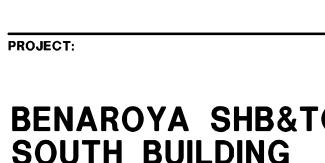
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City of Puyallup evelopment & Permitting Servic ISSUED PERMIT Building Planning Engineering Public Works Fire

APPROVAL:

SEAL:





1511 THIRD AVENUE

SEATTLE, WA 98101

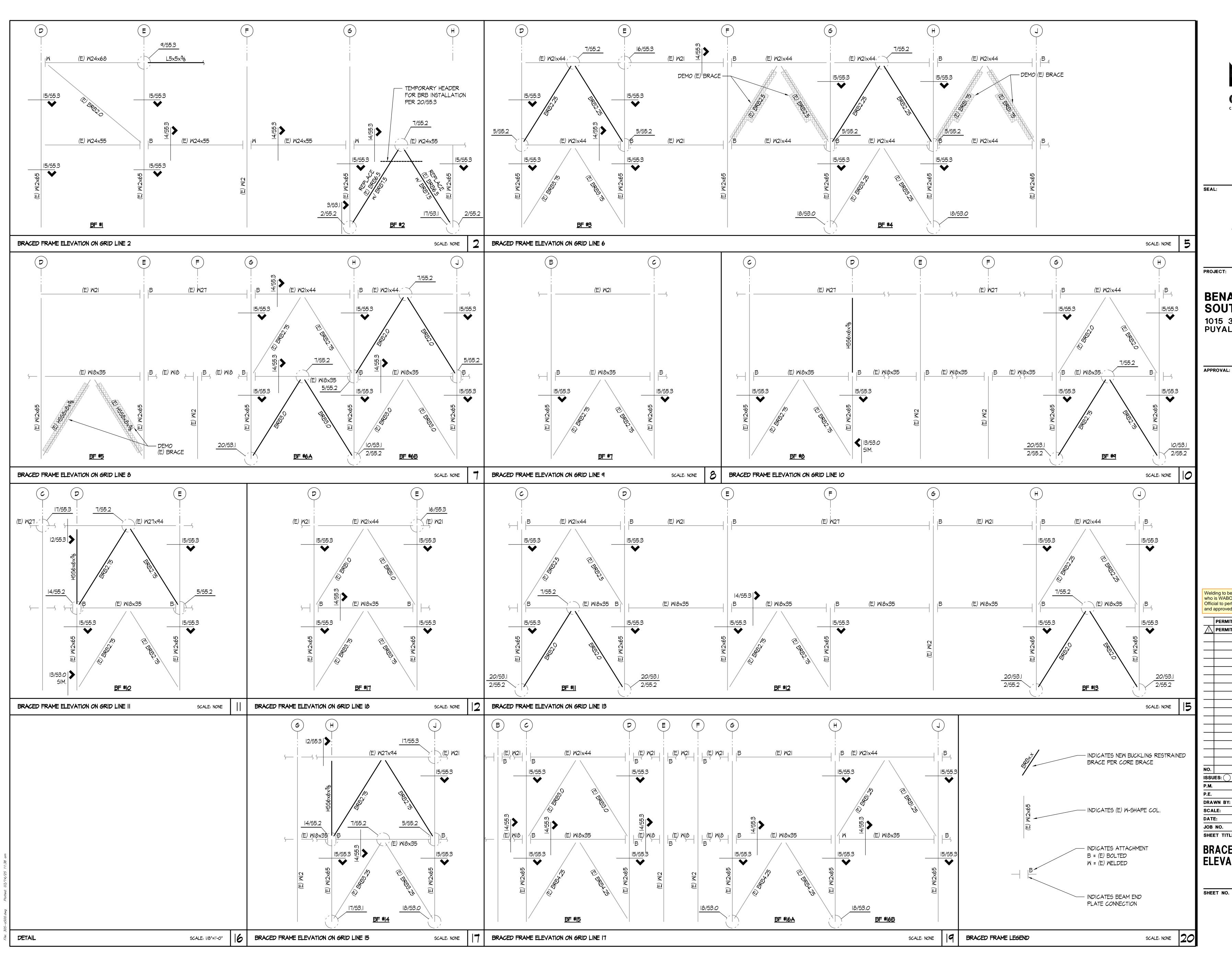
TEL 206.957.3900

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SUITE 323





BRACED FRAME ELEVATIONS

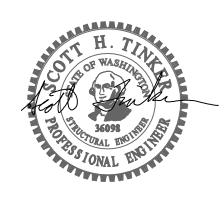
anu	approved	by a WABO certi	ned spec	ial inspecto	ı.
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JOB NO.		19305.04			
SHEI	ET TITLE				

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City of Puyallup elopment & Permitting Servi ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

PROJECT:





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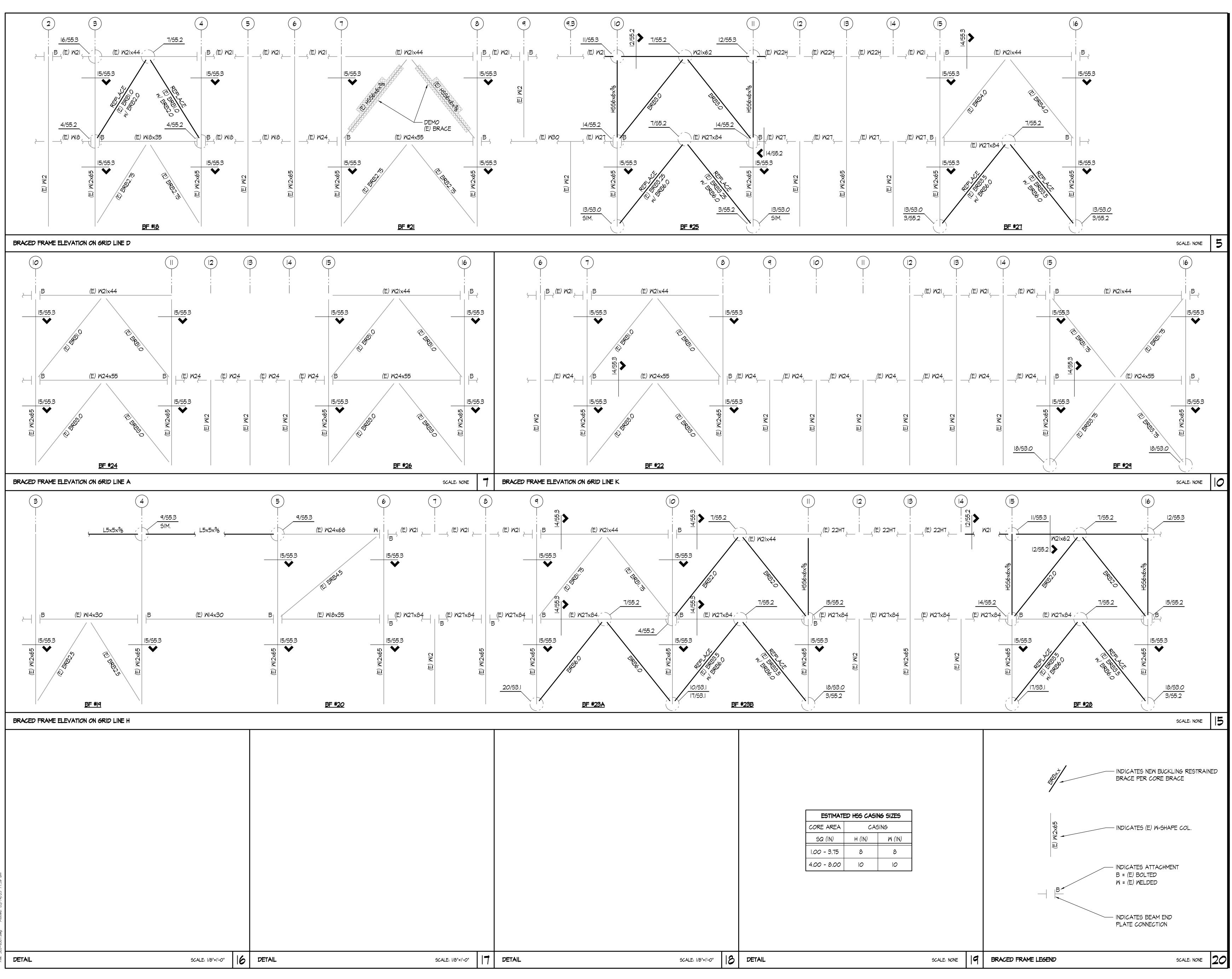
QUANTUM CONSULTING ENGINEERS

1511 THIRD AVENUE

SEATTLE, WA 98101 TEL 206.957.3900

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SUITE 323





BRACED FRAME ELEVATIONS

	PERMIT	SET		12/20/24		
\triangle	PERMIT	RESUBMITTAL	SET	3/14/25		
NO.		DESCRIPTION		DATE	BY	
Р.М.		SHT				
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DATE:		12/20/24				
JOB NO.		19305.0)4			
SHEET TITLE:						

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected

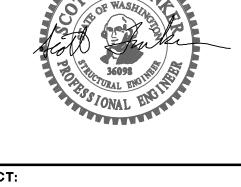
and approved by a WABO certified special inspector.

City of Puyallup elopment & Permitting Serv ISSUED PERMIT Building Planning Engineering Public Works Fire

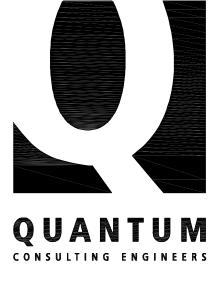
APPROVAL:

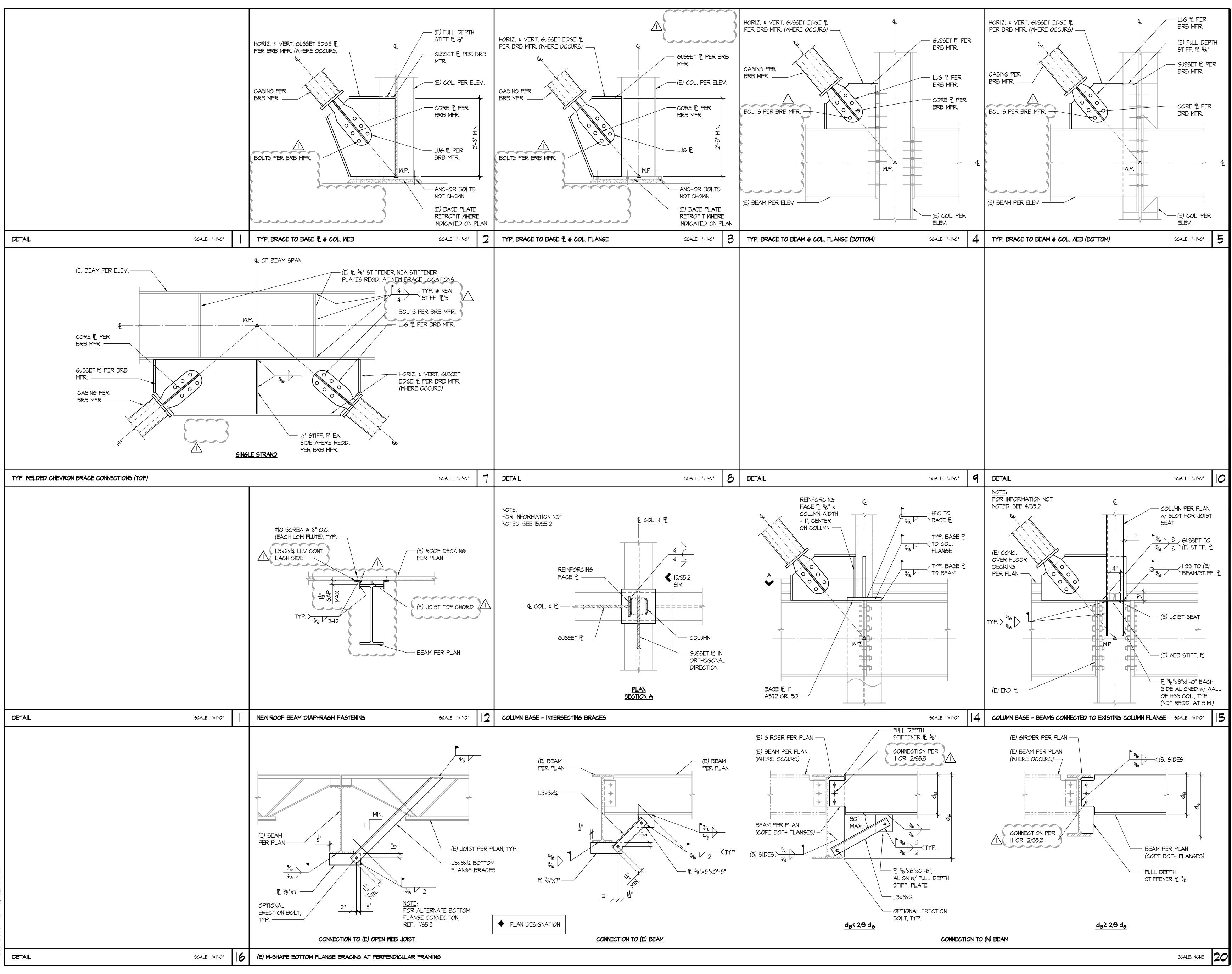
SEAL:





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BRACED FRAME DETAILS

	PERMIT	SET		12/20/24	
$\overline{\mathbb{A}}$	PERMIT	RESUBMITTAL	SET	3/14/25	
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JOB NO.		19305.04			
SHEET TITLE:					

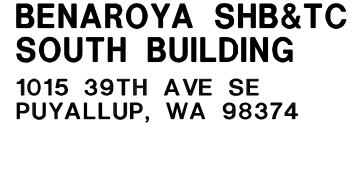
Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

City of Puyallup

velopment & Permitting Servi ISSUED PERMIT

Building Planning

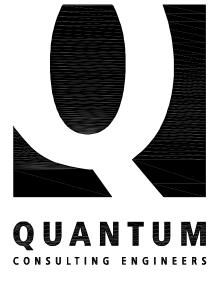
Engineering Public Works Fire



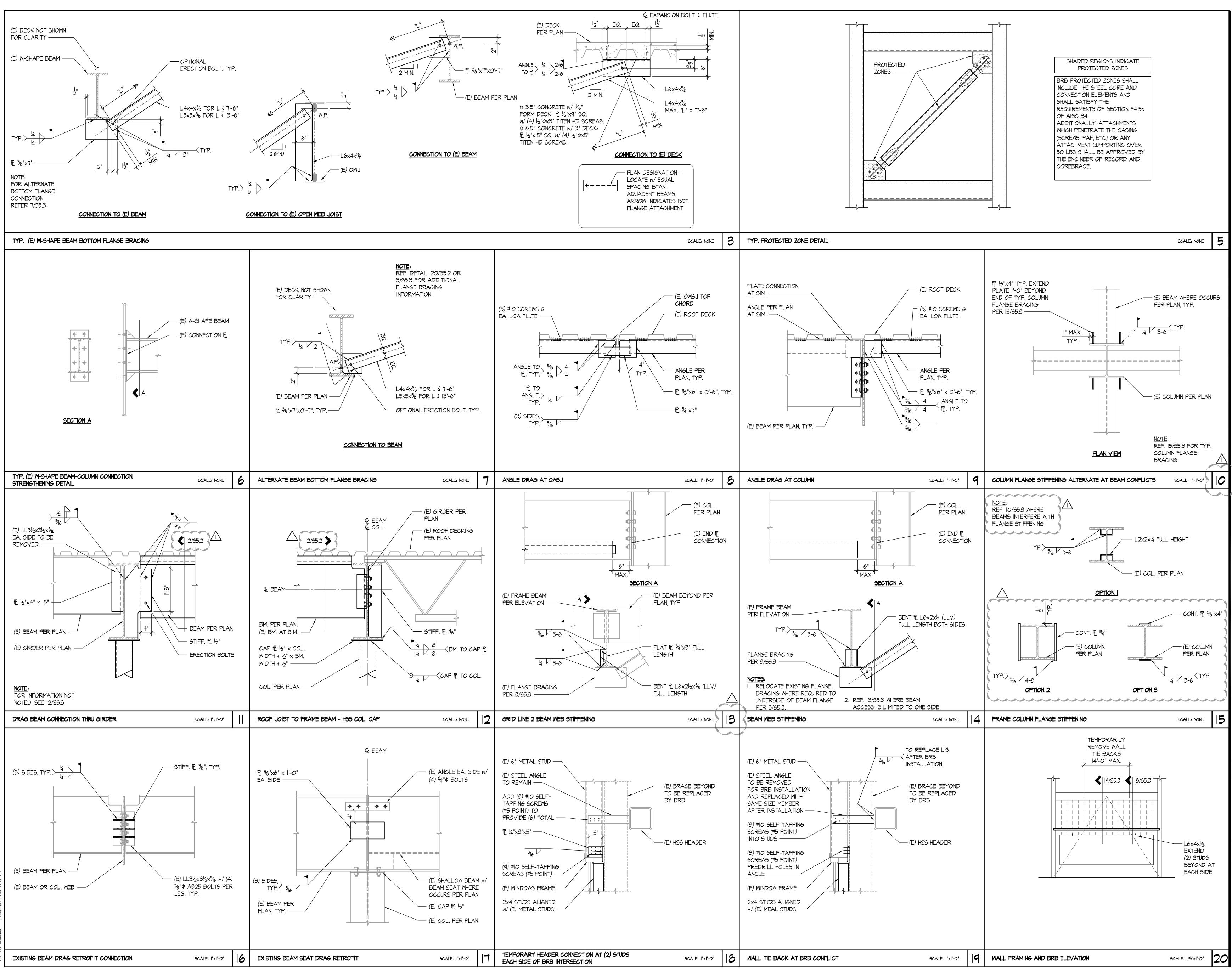
PROJECT:

APPROVAL:

SEAL:



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DETAILS

BRACED	FRAME

NO.	DESCRIPTION		DATE	BY	
P.M .		SHT			
P.E.		TVM			
DRAWN BY:		SSN			
SCALE:		AS SHOWN			
DATE:		12/20/24			
JOB NO.		19305.04			
SHEET TITLE:					

Welding to be completed by an individual or fabricator who is WABO certified or approved by the Building Official to perform the work. All welds must be inspected and approved by a WABO certified special inspector.

PERMIT RESUBMITTAL SET 3/14/25

12/20/24

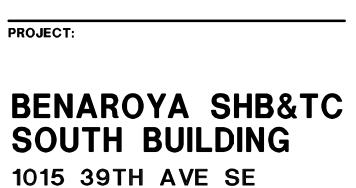
PERMIT SET

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City of Puyallup



PUYALLUP, WA 98374





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SEAL:

APPROVAL:

CONSULTING ENGINEERS