	REQUIRED? (Y/N) MATERIAL / ACTIVITY	EXTENT	REQUIRED? (Y/N)	MATERIAL / ACTIVITY	EXTENT
CODE: INTERNATIONAL BUILDING CODE (IBC) 2018	Y N 1704.2.5 Inspection of Fabricators Verify fabrication/quality control procedures	Periodic		1705.4 Masonry Construction (A) Level A, B and C Quality Assurance:	
LOADINGS FLOOR LIVE LOAD40 PSF	Y N 1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials		Y N	Verify compliance with approved submittals (B) Level B Quality Assurance:	Periodic
DECK LIVE LOAD	and systems, unusual design applications, materials and systems with special manufacturer's requirements)		Y N Y N	 Verification of f'm and f'AAC prior to construction Level C Quality Assurance: Verification of f'm and f'AAC prior to construction and for every 5,000 SF during construction 	Periodic Periodic
WIND CRITERIA BUILDING CLASSIFICATIONII	1705.2 Steel Construction		Y N	2. Verification of proportions of materials in premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout, as delivered to the project site	d Continuous
ULTIMATE WIND SPEED	Y N 1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents) Y N 2. Material verification of structural steel	Each submittal Periodic	Y N Y N	 Verify placement of masonry units (D) Levels B and C Quality Assurance: Verification of Slump Flow and Visual Stability Index (VSI) of self-consolidating grout as delivered 	Periodic ed to Continuous
TOPOGRAPHIC FACTOR, Kzt 1.6 SEISMIC CRITERIA	Y N 3. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors) Y N 4. Verify member locations, braces, stiffeners, and application of joint details at each connection	Continuous Periodic	Y N	the project 2. Verify compliance with approved submittals	Periodic
SEISMIC RISK CATEGORY II SPECTRAL RESPONSE COEFFICIENT, Ss 1.33	comply with construction documents 5. Structural steel welding: Y N a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA	Observe or Perform as noted (4)	Y N Y N	 Verify proportions of site-mixed mortar, grout and prestressing grout for bonded tendons Verify grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages 	Periodic Periodic
SPECTRAL RESPONSE COEFFICIENT, S1 0.50 SEISMIC SITE CLASS D SEISMIC DESIGN CATEGORY D	tasks listed in AISC 360, Table N5.4-1) Y N b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Observe (4)	Y N Y N	5. Verify construction of mortar joints6. Verify placement of reinforcement, connectors, and prestressing tendons and anchorages	Periodic Level B - Periodic Level C - Continuous
STRUCTURAL DESCRIPTIONS	Y N c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Observe or Perform as noted (4)	Y N	7. Verify grout space prior to grouting	Level B - Periodic Level C - Continuous
	d. Nondestructive testing (NDT) of welded joints: see Commentary Y N 1) Complete penetration groove welds 5/16" or greater in risk category III or IV Y N 2) Complete penetration groove welds 5/16" or greater in risk category II	Periodic Periodic	Y N Y N Y N	8. Verify placement of grout and prestressing grout for bonded tendons9. Verify size and location of structural masonry elements10. Verify type, size, and location of anchors, including details of anchorage of masonry to structur	Continuous Periodic al Level B - Periodic
GENERAL CONDITIONS	Y N 3) Thermally cut surfaces of access holes when material t > 2" Y N 4) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1 Y N 5) Fabricator's NDT reports when fabricator performs NDT	Periodic Periodic Each submittal (5)	Y N	members, frames, or other construction. 11. Verify welding of reinforcement (see 1705.2.2) 12. Verify preparation, construction, and protestion of masonry during cold weather (temperature between the construction).	Level C - Continuous Continuous
THE CONTRACTOR SHALL EXAMINE THE STRUCTURAL DRAWINGS AND SHALL NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH	6. Structural steel bolting: Y N a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in	Observe or Perform as noted (4)	Y N	40oF) or hot weather (temperature above 90oF) 13. Verify application and measurement of prestressing force	Continuous
THE WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK.		Observe (4)	Y N Y N	14. Verify placement of AAC masonry units and construction of thin-bed mortar joints (first 5000 SI AAC masonry)15. Verify placement of AAC masonry units and construction of thin-bed mortar joints (after the first statement)	
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER BEFORE	Y N a) Turn-of-nut with matching markings Y N b) Direct tension indicator	Periodic Periodic Periodic	Y N	5000 SF of AAC masonry) 16. Verify properties of thin-bed mortar for AAC masonry (first 5000 SF of AAC masonry) 17. Verify properties of thin-bed mortar for AAC masonry (after the first 5000 SF of AAC masonry)	Level C - Continuous Continuous Level B - Periodic
PROCEEDING WITH ANY WORK SO INVOLVED.	Y N e) Calibrated wrench	Continuous Continuous	Y N	17. Verily properties of triin-bed mortar for AAC masonry (after the first 5000 SF of AAC masonry) 18. Prepare grout and mortar specimens	Level C - Continuous Level B - Periodic
3. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE THE NOTES, DRAWINGS, AND/OR SPECIFICATIONS DIFFER, THE MORE STRINGENT REQUIREMENT SHALL APPLY.	2) Snug-tight joints Y N c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)	Periodic Perform (4)	Y N	19. Observe preparation of prisms	Level C - Continuous Level B - Periodic Level C - Continuous
4. IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF THE WORK, THE CONSTRUCTION SHALL B THE SAME AS FOR SIMILAR WORK.	V N 7 Inspection of steel elements of composite construction prior to concrete placement in accordance	Observe or Perform as noted (4)	Y N	1705.5 Wood Construction 1. Inspection of the fabrication process of wood structural elements and assemblies in accordance	
5. WORKING DIMENSIONS SHALL NOT BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THESE	1705.2.2 Steel Construction Other Than Structural Steel 1. Material verification of cold-formed steel deck:		Y N	Section 1704.2.5 2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans	Periodic
DRAWINGS. 6. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEE	Y N a. Identification markings Y N b. Manufacturer's certified test reports	Periodic Each submittal	Y N	3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, na staple diameter and length, number of fastener lines, and that spacing between fasteners in each l	il or Periodic ine
OF ANY CONDITION THAT, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAU DISTRESS TO THE STRUCTURE.		Periodic	Y N	and at edge margins agree with approved building plans 4. Metal-plate-connected wood trusses spanning 60 feet or greater: verify temporary and permane restraint/bracing are installed in accordance with the approved truss submittal package	ent Periodic
7. THE CONTRACTOR SHALL SUPERVISE AND DIRECT HIS WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.	Y N 1) Verify fasteners are in conformance with approved submittal Y N 2) Verify fastener installation is in conformance with approved submittal and manufacturer's recommendations	Periodic Periodic		1705.6 Soils 1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity	
PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS DURING CONSTRUCTION. NOTIFY ENGINEER OF ALL FIELD CHANGES PRIOR TO INSTALLATION.	3. Reinforcing steel Y N a. Verification of weldability of steel other than ASTM A706	Periodic	Y N Y N	2. Verify excavations are extended to proper depth and have reached proper material.3. Perform classification and testing of controlled fill materials.	Periodic Periodic
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE STRUCTURAL DRAWINGS.	RAL Y N b. Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, boundary elements of special concrete structural walls and shear reinforcement Y N c. Shear reinforcement	Continuous Continuous	Y N Y N	4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction controlled fill5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared pro	Continuous
9. ALL CONSTRUCTION SHALL BE DONE WITH MATERIALS, METHODS, AND WORKMANSHIP ACCEPTE AS GOOD PRACTICE BY THE CONSTRUCTION INDUSTRY AND IN CONFORMANCE WITH THE PROVISIONS O	Y N d. Other reinforcing steel A. Cold-formed steel trusses spanning 60 feet or greater	Periodic Periodic	Y N	1705.7 Driven Deep Foundations	Periodic
PREVAILING CODE EDITION OF THE "INTERNATIONAL BUILDING CODE" (IBC) AND STANDARDS REFERENCE THEREIN.	CED Y N a. Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	i enouic	Y N Y N	 Verify element materials, sizes and lengths comply with requirements Determine capacities of test elements and conduct additional load tests, as required Observe driving operations and maintain complete and accurate records for each element 	Continuous Continuous
10. PIPES, DUCTS, SLEEVES, OPENINGS, POCKETS, CHASES, BLOCK-OUTS, ETC., SHALL NOT BE PLAC IN SLABS, FOUNDATIONS, ETC., NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR SUCH ITEMS, UNLES:		Periodic. Periodic	Y N Y N	4. Verify placement locations and plumbness, confirm type and size of hammer, record number of per foot of penetration, determine required penetrations to achieve design capacity, record tip and elevations and document any damage to foundation element	
SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS. 11. ALTERNATE ASSEMBLIES AND MATERIALS WILL BE CONSIDERED FOR REVIEW. ENGINEER MAY	Y N 3. Inspection of anchors cast in concrete where allowable loads have been increased per section	Continuous	Y N	 5. For steel elements, perform additional inspections per Section 1705.2 6. For concrete elements and concrete-filled elements, perform additional inspections per Section 	See Section 1705.2
REQUEST PAYMENT FOR REVIEW.	4. Inspection of anchors and reinforcing steel post-installed in hardened concrete: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and	Periodic or as required by the research report issued by a approved source	n Y N Y N	1705.3 7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	See Section 1705.3 In accordance with construction documents
FOUNDATION 1. STRUCTURAL DESIGN COMPLIES WITH SOILS REPORT PRODUCED BY:	tightening torque Y N 5. Verify use of approved design mix	Periodic Continuous	Y N	8. Perform additional inspections and tests in accordance with the construction documents 1705.8 Cast-in-Place Deep Foundations	In accordance with construction documents
N.A. FOOTING BEARING PRESSURE: 1500 PSF (ASSUMED)	Y N 6. Fresh concrete sampling, perform slump and air content tests and determine temperature of concrete Y N 7. Inspection of concrete and shotcrete placement for proper application techniques	Continuous	Y N	 1.Observe drilling operations and maintain complete and accurate records for each element 2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applications) 	
LATERAL EARTH PRESSURE ON RETAINING WALLS N.A.	Y N 8. Inspection for maintenance of specified curing temperature and techniques 9. Inspection of prestressed concrete: Y N a. Application of prestressing force	Periodic Continuous	Y N	lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes 3. For concrete elements, perform additional inspections in accordance with Section 1705.3	Continuous
2. SUBGRADE PREPARATION, DRAINAGE PROVISIONS, AND OTHER RELEVANT SOIL CONSIDERATIONS ARE TO BE IN ACCORDANCE WITH SAID SOILS REPORT.	Y N b. Grouting of bonded prestressing tendons in the seismic-force-resisting system 10. Erection of precast concrete members	Continuous In accordance with construction documents	Y N Y N	4. Perform additional inspections and tests in accordance with the construction documents	See Section 1705.3 In accordance with construction documents
	Y N a. Inspect in accordance with construction documents Y N b. Perform inspections of welding and bolting in accordance with Section 1705.2 Y N 11. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete	In accordance with Section 1705.2 Periodic	Y N	1705.9 Helical Pile Foundations1. Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque other data as required.	and Continuous
	and prior to removal of shores and forms from beams and structural slabs Y N 12. Inspection of formwork for shape, lines, location and dimensions Y N 13. Concrete strength testing and verification of compliance with construction documents	Periodic Periodic	Y N	Perform additional inspections and tests in accordance with the construction documents 1705.10.1 Structural Wood Special Inspections For Wind Resistance	In accordance with construction documents
			Y N	 Inspection of field gluing operations of elements of the main windforce-resisting system Inspection of nailing, bolting, anchoring and other fastening of components within the main wind 	force- Continuous Periodic
DIMENSIONAL LUMBER, ANCHOR BOLT AND NAILING SPECIFICATIONS 1. MEET REQUIREMENTS OF PS 20-70 AND NATIONAL GRADING RULES FOR SOFTWOOD	Notes: 1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of		Y IN	resisting system 1705.10.2 Cold-formed Steel Special Inspections For Wind Resistance	renodic
DIMENSIONAL LUMBER. BEAR STAMP OF WWPA.	interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.		Y N Y N	 Inspection during welding operations of elements of the main windforce-resisting system Inspections for screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system 	ne Periodic Periodic
2. MINIMUM DIMENSIONAL LUMBER GRADES TO BE: WALL STUDS, 2X, 3 X HF STUD GRADE	2. The list of Special Inspectors may be submitted as a separate document, if noted so above.			1705.10.3 Wind-resisting Components	
WALL PLATES, 2X, 3X HF STANDARD GRADE U.N.O JOISTS, 2 X 6: HF #2 JOISTS, 2 X 8 AND UP DF #2	3. Special Insepctions as required by Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.2		Y N Y N	Roof cladding Wall cladding	Periodic Periodic
BEAMS, HEADERS, 6X DF #2 BEAMS, HEADERS, 4X DF #2, WWPA GRADING	4. Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.		Y N	1705.11.1 Structural Steel Special Inspections for Seismic Resistance Inspection of structural steel in accordance with AISC 341	In accordance with AISC 341
POSTS, 4X, 6X DF #2 U.N.O LUMBER NOT NOTED HERE DF #2 U.N.O	5. NDT of welds completed in an approved fabricator's shop may be performed by that fabricator		V N	1705.11.2 Structural Wood Special Inspections for Seismic Resistance 1. Inspection of field gluing operations of elements of the seismic-force resisting system	
3. PROVIDE STANDARD CUT WASHERS FOR BOLT HEADS AND NUTS BEARING AGAINST WOOD.	when approved by the AHJ. Refer to AISC 360, N7.		Y N Y N	Inspection of nailing, bolting, anchoring and other fastening of components within the seismic-fo resisting system	rce- Continuous Periodic
4. ALL SILLS OR PLATES RESTING ON CONCRETE OR MASONRY THAT IS IN CONTACT WITH OR RESTING ON FOUNDATIONS SHALL BE PRESSURE-TREATED DOUGLAS FIR/ HEMFIR IN	CONCRETE AND REINFORCING			1705.11.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance	
ACCORDANCE TO WITH AWPA U1 (PLANT/SHOP TREATMENT) AND M4 (FIELD TREATMENT) STANDARDS. ALL BEARING WALL PLATES SHALL HAVE 5/8" Ø x10" J-BOLTS PLACED AT MAXIMUM OF 9" FROM THE END OF A PLATE AND SPACED AT INTERVALS SHOWN ON THE	 CONCRETE SHALL CONFORM TO THE INDICATED REFERENCE CODES AND STANDARDS EXCEPT AS MODIFIED BELOW: 		Y N Y N	 Inspection during welding operations of elements of the seismic-force-resisting system Inspections for screw attachment, bolting, anchoring and other fastening of components within t seismic-force-resisting system 	he Periodic Periodic
SHEARWALL SCHEDULE (MAXIMUM 4'-0" OC SPACING). PROVIDE BP PLATE WASHER AT ALL FOUNDATION SILL PLATE ANCHOR BOLTS. PROVIDE TWO ANCHOR BOLTS MINIMUM PER	ACI-301 - "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE" ACI-318 - "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI-305R - "HOT WEATHER CONCRETING"	STRUCTURAL AND MISCELLANEOUS STEEL	L		
SECTION OF SILL. FOR NON-SHEARWALL, PLACE ANCHORS AT 48". 5. BOLTS IN WOOD SHALL NOT BE LESS THAN 7 DIAMETERS FROM THE END AND 4	ACI-306R - "COLD WEATHER CONCRETING" ACI-304 - "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"			GALVANIZED OR EPOXY PAINTED PER ARCHITECT ALL BE PAINTED WITH (2) COAT OF 95% ZINC RICH	
DIAMETERS FROM THE EDGE OF THE MEMBER. 6. NAILS: COMMON WIRE NAILS. NAILING IN ACCORDANCE WITH IBC TABLE 2304.9.1.	2. <u>CONCRETE MIX SPECIFICATIONS</u>	PAINT PER ASTM A780. COLOR TO MATCH I	EXISTING.		
7. PRESSURE TREATED WOOD: ALL NAILS INTO PT WOOD SHALL BE HOT DIPPED	LOCATION COMP. SRENGTH W/C RATIO AIR CONTENT REMARK	STEEL SHALL CONFORM TO THE FOLLOWING TUBE COLUMNS: WIDE FLANGE COLUMNS / BEAMS:	ASTM A500, GRADE ASTM 572 GR50		
GALVANIZED PER ASTM A153 OR STAINLESS STEEL. ALL METAL CONNECTORS IN CONTACT WITH PT WOOD SHALL BE HOT DIPPED GALVANIZED AND MEET ASTM A653 CLASS G185 (1.85 OZ OF ZINC PER SQ FT MINIMUM) OR TYPE 304 / 316 STAINLESS STEEL SIMPSON Z-MAX	FOOTING 2500 PSI (MIN. OF 5.5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE)	STEEL PIPE: ALL OTHER STEEL:			DRAWING LIST
CONNECTORS MEET THIS REQUIREMENT. FASTENERS AND CONNECTORS USED TOGETHER SHALL BE OF THE SAME TYPE (E.G. HOT DIPPED NAILS WITH HOT DIPPED HANGERS)	SLAB ON GRADE 2500 PSI (MIN. OF 5.5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE) FOUNDATION WALL 2500 PSI (MIN. OF 5.5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE)	BOLTS: BOLTS: ANCHOR BOLTS:	ASTM A325/A490 WIT ASTM A307 (WOOD F	H LOCK WASHERS (STEEL/STEEL AND STEEL/CONC CONN) RAMING)	SHEET NAME ISSUE DATE
8. ALL LUMBER WITH A LEAST DIMENSION OF 2" (NOMINAL) SHALL BE STAMPED "SURFACE-	TOPPING N.A.	ANCHOR BOLTS: ALL SLIP CRITICAL CONNECTIONS S	,	STEEL FRAMING) ULTS AND SHALL BE ENGINEER-APPROVED, SELF-LOAD	S-0 GENERAL NOTES AND 07-25-22 SPECIFICATIONS
DRY" AND SHALL HAVE A MOISTURE CONTENT WHEN SURFACED AND WHEN INSTALLED OF NO MORE THAN 19 PERCENT. LUMBER WITH A LEAST DIMENSION OF 4" (NOMINAL) OR GREATER SHALL BE STAMPED "SURFACE-GREEN" AND AIR-DRIED TO A MOISTURE	a. TOTAL AIR CONTENT IS SPECIFIED IN THE TABLE ABOVE. AIR CONTENT TOLERANCE SHALL BE \pm 1% AND SHALL BE MEASURED AT THE POINT OF PLACEMENT. (AFTER PUMPING			ANCE WITH MANUFACTURER'S RECOMMENDATIONS.	S-1 BASEMENT/ FOUNDATION PLAN 07-25-22
CONTENT OF NOT MORE THAN 19 PERCENT PRIOR TO ITS USE IN FRAMING THE STRUCTURE.	IF APPLICABLE). ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE AN APPROVED ADMIXTURE TO ENTRAIN AIR - 5% TOTAL AIR REQUIRED. CONCRETE THAT CAN BE SUBJECTED TO FREEZING AND THAWING DURING CONSTRUCTION SHALL BE AIR ENTRAINED.	CONFORM TO THE AWS CODES D1. 1/4" CONTINUOUS FILLET MINIMUM. INCRE.	ASE WELD SIZE TO AWS	MINIMUM SIZES, BASED ON PLATE THICKNESS. USE DRY E70 ELECTRODES. ALL	S-2 MAIN FLOOR FRAMING PLAN 07-25-22 S-3 ROOF FRAMING PLAN 07-25-22
9. NOTCHING AND BORING OF BEAMS AND JOISTS IS NOT ALLOWED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.	3. PROVIDE GRADE 60 KSI (A615) FOR CONCRETE STEEL REINFORCING	WELDING SHALL CONFORM TO THE AWS C SPECIFIED SHALL BE 1/4" CONTINUOUS FIL		Y CERTIFIED WELDERS. WELDS NOT 'E70 ELECTRODES.	S-4 FRAMING DETAILS 07-25-22 Grand total: 5
					Grand total. 5

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2906 74TH AVE SE REMODEL

2906 74TH AVE SE, MERCER ISLAND, WA 98040

DRAWING INFO

ISSUE DATE 07-25-22

ISSUED FOR PERMIT

PROJECT NO.20242

ENGINEER BB

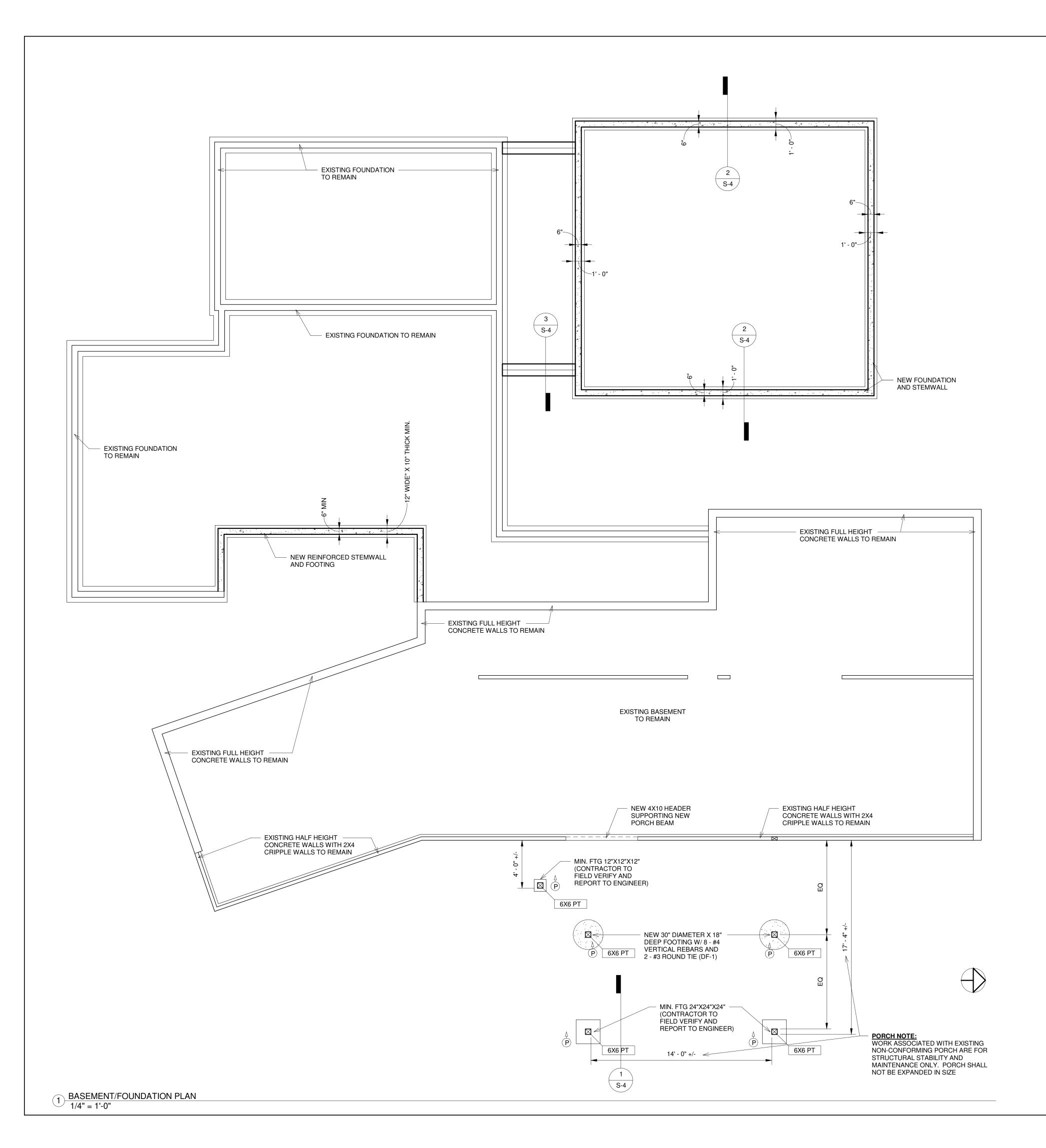
REVISION SCHEDULE

NO. DATE DESCRIPTION

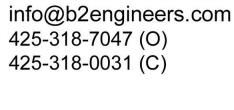
GENERAL NOTES AND SPECIFICATIONS

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1. CONTRACTOR SHALL REVIEW STRUCTURAL DRAWINGS AND FIELD VERIFY ALL RELATED EXISTING FRAMING & DIMENSIONS PRIOR TO ANY FIELD WORK. NOTIFY THE ENGINEER/OWNER ANY DISCREPANCIES FOUND IN THE FIELD. STRUCTURAL DRAWINGS MAY NOT CORRECTLY REFLECT ALL EXISTING FRAMING DUE TO LIMITED ACCESS TO THE SITE AND EXISTING DRAWINGS.

IMPORTANT NOTES ON FIELD VERIFICATIONS AND TEMPORARY SHORING:

2. CONTRACTOR SHALL FIELD VERIFY AND NOTIFY THE ENGINEER/OWNER OF EXISTING MECHANICAL DUCTS, PLUMBING PIPES, ELECTRICAL WIRES THAT MAY INTERFERE WITH STRUCTURAL WORKS FOR COST CONSIDERATIONS PRIOR TO ANY FIELD WORK. 3. CONTRACTOR IS SOLELY RESPONSIBLE IN PROVIDING PROPER TEMPORARY SHORING PRIOR TO REMOVING ANY STRUCTURAL ELEMENTS. PLEASE CALL ENGINEER FOR QUESTIONS

IMPORTANT NOTES ON FOUNDATION AND FRAMING:

1. ALL FOOTINGS SHALL BEAR ON SUITABLE SOIL SUCH AS MIN. OF MEDIUM DENSE NATIVE SOIL OR COMPACTED STRUCTURAL FILL (NO SOFT OR ORGANIC MATERIALS). GEOTECHNICAL ENGINEER MAY BE REQUIRED TO ASSESS EXISTING SOIL CONDITIONS. 2. FOR FRAMING LUMBER TYPES AND GRADES, AND CONCRETE MIX REQUIREMENTS

3. FOR PLYWOOD/OSB SHEARWALL SCHEDULE, PLEASE SEE S-4 4. FOR COMMON HEADER FRAMING DETAIL AND HEADER SIZE, SEE S-4

5. PROVIDE (2) 2X6 OR (3) 2X4 STUD POSTS AT EACH END OF BEAMS, UNLESS NOTED OTHERWISE ON PLAN 6. SLAB ON GRADE SHALL BE MIN. 4" THICK WITH #3 AT 18" EACH WAY (AT MID-DEPTH) ON 6" COMPACTED CRUSHED ROCK. PROVIDE 1" SAWCUT JOINT AT 15 FT MAX.

SPACING (EACH WAY) 7. FLOOR SHEATHING SHALL BE 3/4" PLYWOOD OR OSB WITH 10d AT 6" NAILING AT EDGES AND AT 12" AT FIELD 8. ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR OSB WITH 8d AT 6" NAILING AT EDGES

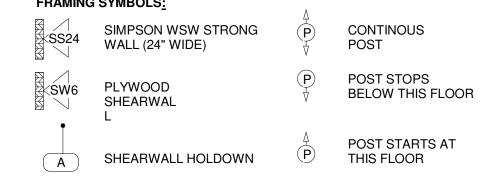
IMPORTANT NOTES ON TRUSS AND FLOOR FRAMING DESIGN/SHOP DRAWINGS:

1. TRUSS FRAMING LAYOUT SHOWN IS GENERAL CONCEPT ONLY. CONTRACTOR/ TRUSS SUPPLIER MUST SUBMIT TRUSS SHOP DRAWINGS INCLUDING TRUSS TEMPORARY/ PERMANENT BRACING PLANS FOR ENGINEER'S REVIEW 2. TRUSS FRAMING PROFILE/ LAYOUT SHOULD CONFORM TO BOTH STRUCTURAL AND ARCHITECTURAL DRAWINGS. ANY DEVIATIONS SHALL BE APPROVED BY ENGINEER/ ARCHITECT PRIOR TO TRUSS DESIGN WORK. 3. TRUSS DEFLECTION CRITERIAS:

ROOF TOTAL LOAD = L/240 FLOOR/DECK TOTAL LOAD = L/480 FLOOR/DECK LIVE LOAD = L/600 ROOF SNOW LOAD = L/300** MAXIMUM TOTAL LOAD DEFLECTION SHOULD NOT EXCEED 1.0" IN ALL CASES 4. FLOOR/ROOF FRAMING LAYOUT AND CONNECTORS (SUCH AS LUMBER PACKAGE BY SUPPLIERS) MUST BE SUBMITTED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION

FRAMING SYMBOLS:

AND AT 8" AT FIELD



LEGEND AND NOTES ✓ 1/4" = 1'-0"

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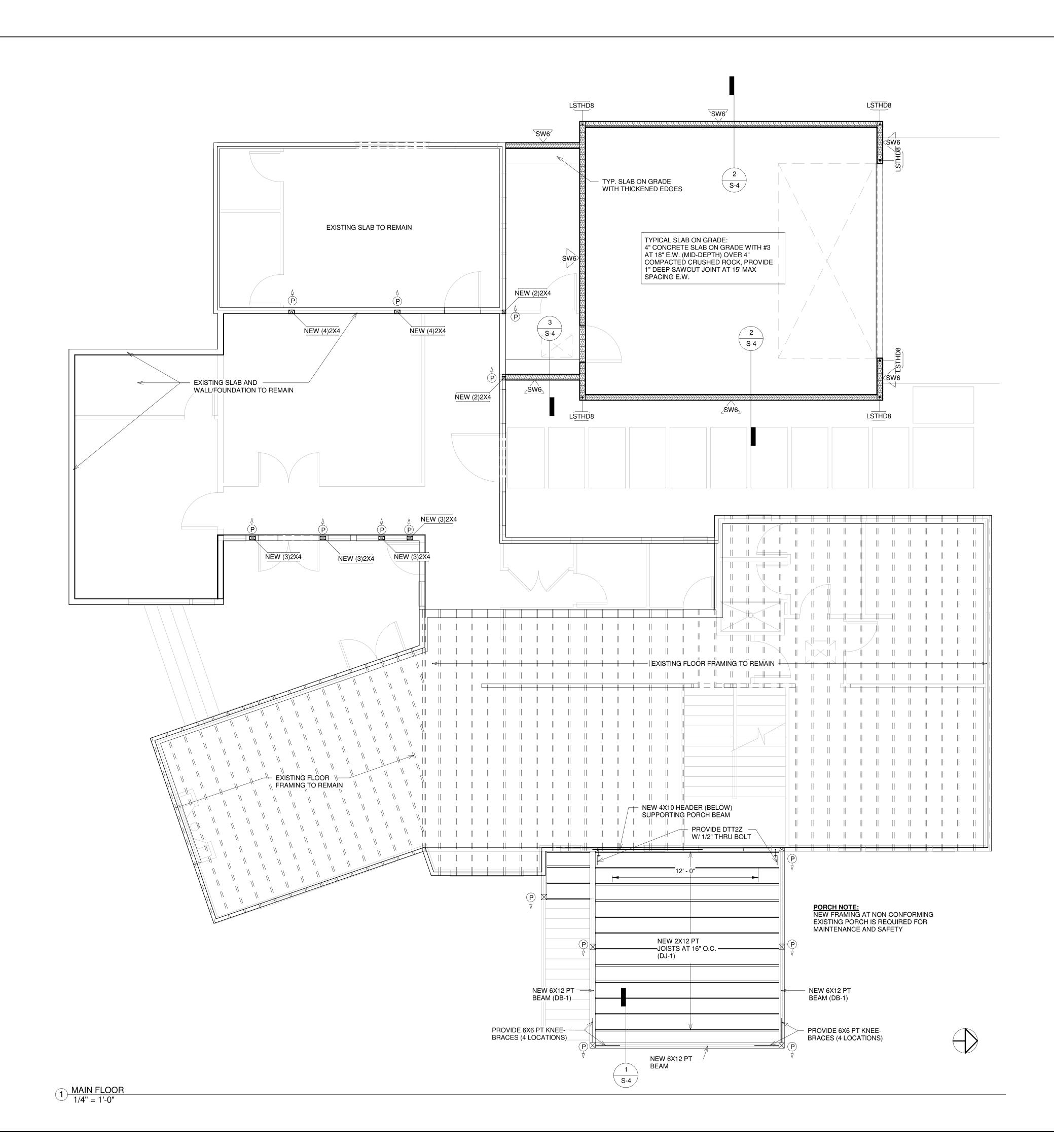
ENGINEER BB

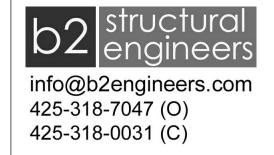
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BASEMENT/ FOUNDATION **PLAN**

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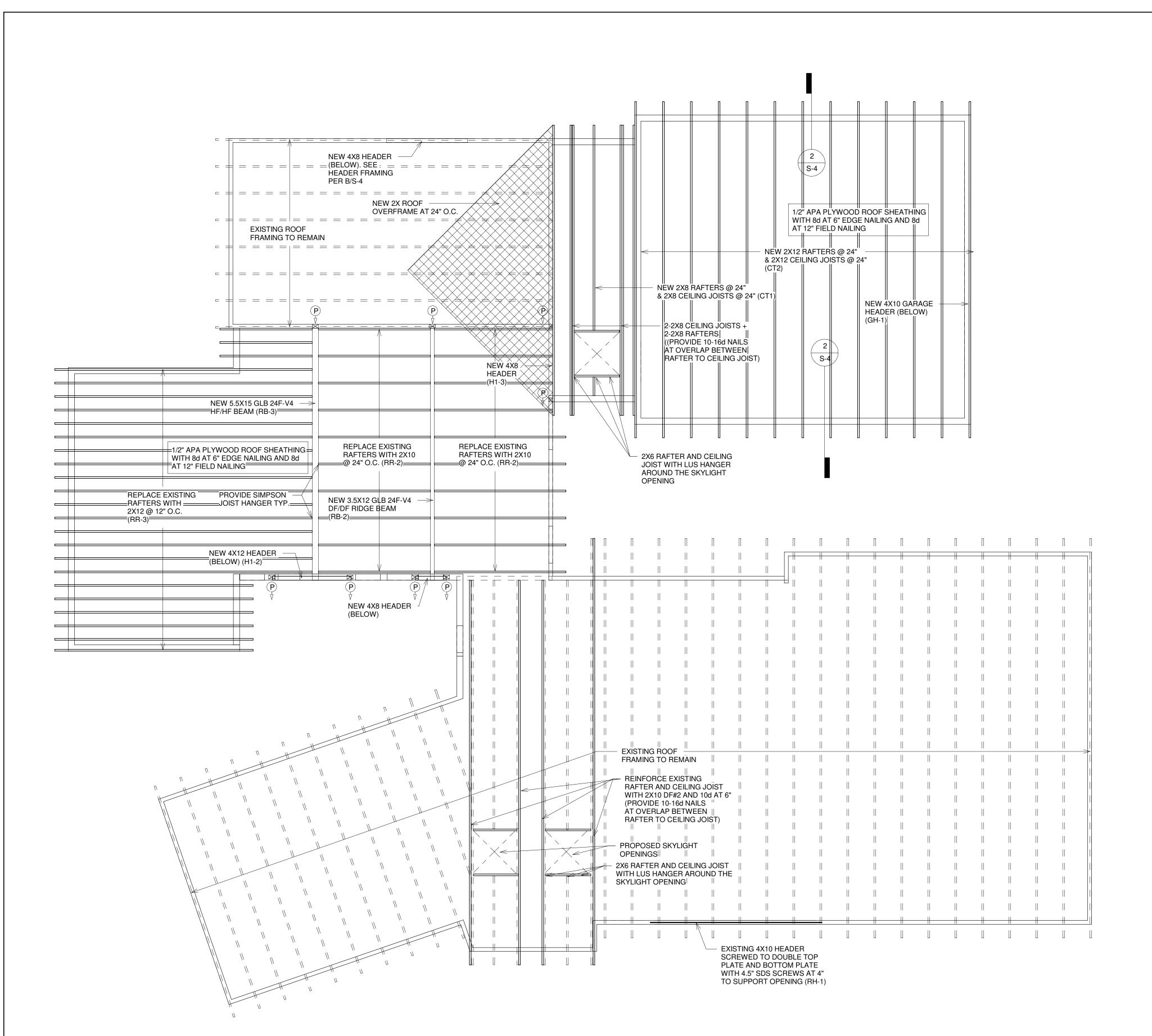
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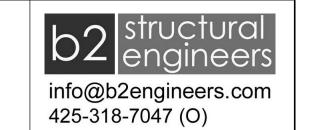
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MAIN FLOOR FRAMING PLAN

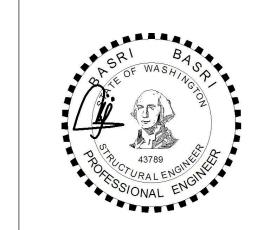
S-2

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PROJECT NO.20242

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REVISION SCHEDULE

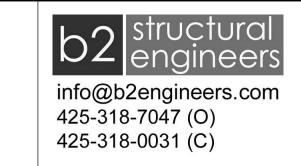
NO. DATE DESCRIPTION

ROOF FRAMING PLAN

S-3

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1 ROOF PLAN 1/4" = 1'-0"





2906 74TH AVE SE REMODEL

2906 74TH AVE SE, MERCER ISLAND, WA 98040

DRAWING INFO

ISSUE DATE 07-25-22

ISSUED FOR PERMIT

PROJECT NO.20242

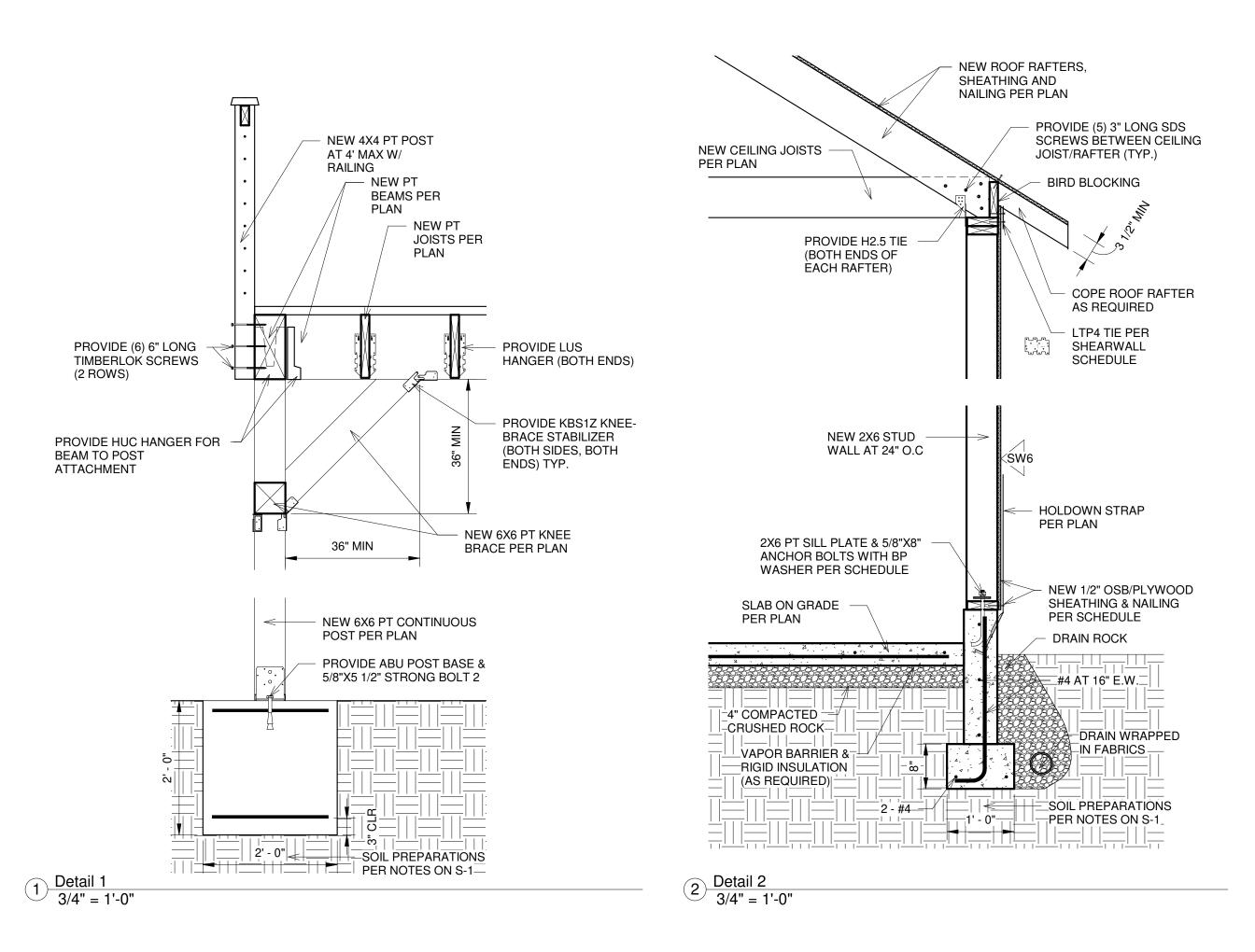
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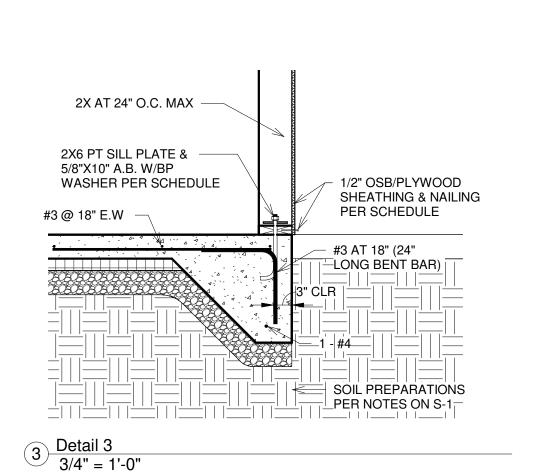
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FRAMING **DETAILS**

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B TYP. WALL OPENING FRAMING 3/4" = 1'-0"

TYPE	PLYWOOD OR OSB SHEATHING (NOTE 7)	PANEL EDGE NAILING (NOTE 4)	PANEL EDGE STUDS AND BLKG	ANCHOR BOLTS AT SILL PLATE (NOTE 8)	TOP/SILL PLATE TO BLOCKING/ RIM (NOTE 9)	BOTTOM PLATE TO BLOCKING/ RIM (NOTE 4)	CAPACITY (LRFD) (SEISMIC/WIND)
SW6	15/32" PLY/OSB ONE SIDE	10d COM AT 6"	2x	5/8" AT 36" O.C2x	SIMPSON LTP4 AT 24" O.C.	16d COM AT 6" O.CNARROW	496 PLF/ 696 PLF
SW4	15/32" PLY/OSB ONE SIDE	10d COM AT 4"	2x (SEE NOTE 5)	5/8" AT 24" O.C2x	SIMPSON LTP4 AT 16" O.C.	16d COM AT 4" O.CNARROW	736 PLF/ 1032 PLF
SW3	15/32" PLY/OSB ONE SIDE	10d COM AT 3"	3x	5/8" AT 18" O.C2x	SIMPSON LTP4 AT 12" O.C.	16d COM AT 3" O.CWIDE	960 PLF/ 1344 PLF
SW2	15/32" PLY/OSB ONE SIDE	10d COM AT 2"	3x	5/8" AT 12" O.C2x	SIMPSON LTP4 AT 8" O.C.	16d COM AT 2" O.CWIDE	1232 PLF/ 1724 PLF
SW44	15/32" PLY/OSB TWO SIDES	10d COM AT 4"	2x	5/8" AT 18" O.C3x	SIMPSON LTP4 AT 16" O.C. B.S.	(2) 16d COM AT 4" O.CWIDE	1472 PLF/ 2064 PLF
SW33	15/32" PLY/OSB TWO SIDES	10d COM AT 3"	3x	5/8" AT 16" O.C3x	SIMPSON LTP4 AT 12" O.C. B.S.	(2) 16d COM AT 3" O.CWIDE	1920 PLF/ 2688 PLF
SW22	15/32" PLY/OSB TWO SIDES	10d COM AT 2"	3x	5/8"AT 12" O.C3x	SIMPSON LTP4 AT 8" O.C. B.S.	(2) 16d COM AT 2" O.CWIDE	2464 PLF/ 3448 PLF

SHEARWALL SCHEDULE NOTES:

1. ALL PANEL EDGES TO OCCUR OVER STUDS, PLATES, RIMS OR HORIZONTAL BLOCKING AT WALLS

2. NAIL SHEATHING TO INTERMEDIATE SUPPORTS/ FIELD NAILING 10d AT 12" O.C.

3. ALL NAILS INTO 3x MEMBERS SHALL BE STAGGERED.

(2)2x STUDS MAY BE USED IN LIEU OF 3x STUDS AT PANEL JOINTS. NÁIL STUDS TOGETHER W/2 ROWS 16d COMMON AT 6" O.C. AT SINGLE SIDE SHEATHING AND NAIL WITH 2 ROWS OF 16d COMMON AT 3" O.C. AT DOUBLE SHEATHED WALLS.

4. COM DENOTES COMMON NAILS. MIN. NAIL PENETRATION INTO PLATE, RIM OR BLOCKING SHALL BE 1 5/8". STAGGER BOTTOM PLATE NAILING

5. FOR SHEARWALL SW4, ALL FRAMING MEMBERS RECEIVING EDGE NAILINGS FROM ABUTTING PANELS SHALL BE 3X OR (2) 2X NAILED TOGETHER WITH 16d AT 6"

6. WHERE SHEATHING IS APPLIED TO BOTH SIDES OF WALL, OFFSET PANEL EDGES TO FALL ON DIFFERENT STUDS. 7. PROVIDE SHEAR WALL SHEATHING AND NAILING FOR ENTIRE LENGTH OF WALLS NOTED ON PLAN. PROVIDE HOLDOWNS PER PLAN AT EACH END OF WALL, UNO.

PROVIDE (2) 2X STUDS AT ENDS OF ALL SHEARWALL. FACE NAIL MULTIPLE STUDS WITH 16d AT 12" PROVIDE PANEL EDGE NAILING IN EACH HOLDOWN STUD AT END OF WALL. 8. ALL FOUNDATION SILL PLATES SHALL BE PT MEMBERS AND THE ANCHOR BOLTS SHALL HAVE MIN. OF 7"

EMBEDMENT WITH 1/4" x 3" x 3" PLATE WASHER OR SIMPSON'S BP/ BPS PLATE. END OF WALL ANCHOR BOLTS SHALL BE LOCATED MAX 12" AND MIN 5" FROM END OF THE PLATE. 9. WHERE NOTED IN DETAILS, USE SIMPSON A35 IN LIEU OF LTP4 PLATES SPACE AT 2/3 OF LTP4 SPACING.

SIMPSON HOLDOWN	SIMPSON ANCHOR BOLTS*	SIN
HDU2	SSTB16 (5/8"ANCHOR WITH 12 5/8" MIN. EMBED.)	
HDU4	SB 5/8X 24 (5/8"ANCHOR WITH 18" MIN. EMBED.)	
HDU5	SB 5/8X 24 (5/8"ANCHOR WITH 18" MIN. EMBED.)	
HDU8	SB 7/8X 24 (7/8"ANCHOR WITH 18" MIN. EMBED.)	

SIMPSON EPOXY ALL THREAD ANCHORS* 5/8" (12" EMBED WITH SET-XP) 5/8" (14" EMBED WITH SET-XP) 5/8" (16" EMBED WITH SET-XP) SB 1X 30 (1" ANCHOR WITH 24" MIN. EMBED.) * ALL ANCHORS SHALL BE 2.5" MIN. SB 1X 30 (1" ANCHOR WITH 24" MIN. EMBED.) FROM EDGE OF CONCRETE WALL

PANEL EDGE 16d NAILING PER SCHEDULE NAILING 10d 2x BOTTOM PLATE SIMPSON STRAP PER PLAN (MIN. OF 48" LONG) SIMPSON LTP4 OR A35 CLIP (SEE NOTE 9) FLOOR JOIST PANEL EDGE RIM OR BLOCKING NAILING TO UPPER TOP PLATE TOP PLATE WALL REFERENCE PER PLAN AND SCHEDULE - HOLDOWN PER PLAN (FOR SIMPSON HDU, SEE ANCHOR EMBED. DEPTH SCHEDULE) PANEL EDGE ANCHOR BOLT PER SCHEDULE NAILING 10d PLATE WASHER (NOTE 8) FOUNDATION - P.T. SILL PLATE 2x OR 3x PER SCHEDULE ⊿7" EMBED MIN.

DBL STUD BEI	\ \	SOLID 2x	4 BLKG (VERT G	GRAIN)		AREA C	MATCH — OF ABOVE		
	<u> </u>					─(5) 16d EA END _	\\		
							AND 2 KING STUE OR POST PER PL		
055 1154050						LEVEL	OPENING	HEADER	
SEE HEADER - SCHEDULE					}	ALL	4 FT MAX.	4X8 DF #2 U.N.O.	
(2) 2x6 SILL —						ALL	6 FT MAX.	4X10 DF #2 U.N.O.	
						D/PLATE CTION, PROVIDE DENAIL OR			
					(2) 16d END				
						_			

A SHEARWALL SCHEDULE 3/4" = 1'-0"

HDU11