VICINITY MAP







	 PROJECT INIC PROJECT CONTACT LAUREN GALANTE STUDIO TERPAIN, LLC. 18040 DES MOINES MEMORIAL DR.S. SEATAC, WA 98148 206909-2321 DONERS MUNGTAE KIM & HANA UM 340 697H AVE SE MERCERS LAND, WA 98040 MITE BROS 1ST TO EAST SEATLE W 7.8 FT 6 LN BEG 10.28 FT WOF SE CONTHINOCON DEVELOPMENT STATUE V.3.6 FT COMPL Y. DE AFT. REAR - 25 FT SIDE - PER PLAN COMPLY WITH ALL APPLICABLE 2018 INTERNATIONAL BUR 2018 INTERNATIONAL BUR 2018 INTERNATIONAL FUE 2018 INTERNATIONAL FUE 2018 INTERNATIONAL FUE 	FORMATION SITE AREA 9352 SF PARCEL NUMBER 935090-0120 JURISDICTION MERCER ISLAND ZONING R-8.4 OCCUPANCY CLASS SINGLE FAMILY OF 22 ALL 23-24-25 & POR OF 26 LY E SINGLE FAMILY OF 22 ALL 23-24-25 & POR OF 26 LY E SINGLE FAMILY OF 22 ALL 23-24-25 & POR OF 26 LY E SINGLE FAMILY CODES AND LAWS: DING CODE (IBC) DENTIAL CODE (IBC) DENTIAL CODE (IBC) DENTIAL CODE (IRC) CODE (UPC) CODE (UPC) CODE (UPC) TING BUILDING CODE MMING POOL & SPA CODE DENS		STUDIOTERARAIN Landscape Architecture	18040 Des Moines Memorial Drive S Suite 103 SeaTac, WA 98148
E SLAPE AREA	HIGHEST POINT OF LOT: LOWEST POINT OF LOT: ELEVATION DIFFERENCE: HORIZONTAL DISTANCE BETWEI LOT SLOPE %: LOT SLOPE %: LOT CALCULATIONS A. GROSS LOT AREA: B. NET LOT AREA: C. ALLOWED LOT COVERAGE D. ALLOWED LOT COVERAGE E. EXISTING LOT COVERAGE E. EXISTING LOT COVERAGE E. EXISTING LOT COVERAGE E. EXISTING LOT COVERAGE E. COVERED PATIOS AN E.3. VEHICULAR USE: E.4. COVERED PATIOS AN E.5. TOTAL EXISTING LOT F. TOTAL LOT COVERAGE RE G. PROPOSED ADJUSTMENT H. PROPOSED ADJUSTMENT H. PROPOSED ADJUSTMENT I. TOTAL NEW LOT COVERAGE I.3. VEHICULAR USE: I.4. COVERED PATIOS AN I.5. TOTAL NEW LOT COVERAGE I.4. COVERED PATIOS AN I.5. TOTAL NEW LOT COVERAGE I.4. COVERED PATIOS AN I.5. TOTAL NEW LOT COVERAGE F. COVERED PATIOS AN I.5. TOTAL NEW LOT COVERAGE F. COVERED PATIOS AN I.5. TOTAL NEW LOT COVERAGE F. TOTAL PROJECT LOT COV K. PROPOSED LOT COVERAGE F. TOTAL PROJECT LOT COV K. PROPOSED LOT COVERAGE F. TOTAL EXISTING HARDSC F.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL EXISTING HARDSC F.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL EXISTING HARDSCAPE, H.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL EXISTING HARDSCAPE, H.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL NEW HARDSCAPE, H.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL NEW HARDSCAPE, H.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL NEW HARDSCAPE, H.1. UNCOVERED DECKS: F.2. UNCOVERED PATIOS: F.3. WALKWAYS: F.4. STAIRS: F.5. ROCKERIES & RETAIL F.5. ROCKERIES & RETAIL F.6. OTHER F.7. TOTAL NEW HARDSCAPE, H.7. TOTAL NEW HARDSCAPE, H.7. TOTAL NEW HARDSCAPE, H.7. TOTAL PROJECT HARDSC	EN HIGH AND LOW POINTS: AREA: OF AREA: OF AREA: G ROOF AREA: D COVERED DECKS: COVERAGE: MOVED: FOR SINGLE STORY: FOR FLAG LOT: GE AREA: OF AREA: URE ROOF AREA: URE ROOF AREA: D COVERED DECKS: ERAGE AREA: ERAGE AREA: ERAGE AREA: AREA: ING WALLS: DSCAPE AREA: NG WALLS: ING WALLS: AREA: ING WALLS: ING WALLS: AREA: ING WALLS: AREA: ING WALLS: AREA: ING WALLS: AREA: ING WALLS: AREA: ING WALLS: DSCAPE AREA: AREA: ING WALLS: ING WALLS: AREA: ING WALLS: ING WALLS: AREA: ING WALLS: AREA: A	195.0 FT. 165.0 FT. 30.0 FT. 137.0 FT 22% 9,352 SF 9,352 SF 9,352 SF 3,273 SF 35% 2,192 SF 715 SF 924 SF 393 SF 4,224 SF 0 SF 0 SF 0 SF 0 SF 0 SF 0 SF 0 SF 0 SF 4,224 SF 45% OF LOT 9,352 SF 9,352 SF 9,352 SF 9,352 SF 0 S	STE PLAN	3440 69TH AVE SE MERCER ISLAND, WA 98040
<u>1/8"=1'-0"</u>	0 8 1/8" = 1'-0"	SHEET INDEX L1.1 SITE PLAN L1.2 DECK PLAN S1.0 GENERAL STE S2.0 FRAMING & FO S3.0 STRUCTURAL	RUCTURAL NOTES DUNDATION PLAN DETAILS 32 feet	NO. DESCRIPTION 01 REV. COMMENTS FR 03.27.24 1/8"= 1'-0"	



	STUDIOTERRANN LANDSCAPE ARCHITECTURE 18040 Des Memorial Drive S suite 103 SeaTac, WA 98148
	KIM-UM RESIDENCE DECK PLAN 3440 69TH AVE SE MERCER ISLAND, WA 98040
DECK NOTES: 1. RAILING TO BE LOCATED ON ALL ON ALL DECKING SURFACES WITH A HEIGHT FROM FINISH GRADE 30" OR GREATER. 2. RAILING TO BE STEEL WITH HORIZONTAL PICKETS, 36" HT. MIN. 3. GUARDRAIL SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A 4" DIAMETER SPHERE. 4. HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH FLIGHT OF STAIRS WITH FOUR OR MORE RISERS. 5. HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES. 6. ALL HANDRAIL AND GUARDRAILS SHALL COMPLY WITH INTERNATIONAL RESIDENTIAL CODE (IRC).	<u>SEAL:</u> NO. DESCRIPTION DATE 01 REV. COMMENTS FROM CITY 04.10.24 03.27.24 1/4" = 1'-0" L122

1.	<u>-CRITERIA</u> <u>ALL MATERIALS WORKMANSHIP, DESIGN, AND CONSTRUCTION</u> SHALL CONFORM TO TH BUILDING CODE (IBC) INCLUDING WASHINGTON STATE MODIFICATIONS.	E DRAWINGS, SPECIFICATIONS, AND THE 2018 INTERNATIONAL	18.	CONTRACTOR SHALL VERIFY AI EXISTING CONSTRUCTION SHO ALL CONFLICTS AND DISCREPA
2.	DESIGN LOADING CRITERIA			
	SNOW LOADGROFLOOR LIVE LOAD (RESIDENTIAL BALCONIES AND DECKS)60 FGUARDRAILS/BALCONY RAILS50 F	OUND SNOW LOAD, Pg = 25 PSF PSF PLF OR 200 LBS.	19.	<u>CONCRETE</u> SHALL BE MIXED, PI 28-DAY STRENGTH (fc) OF 3500 WATER/CEMENT RATIO OF 0.45 CONCRETE STRENGTH (fc) OF 2 MATERIAL TESTING.
	EARTHQUAKE (EQUIVALENT LATERAL FORCE PROCEDURE) Sds = Sds = Sdr = Sdr = Sdr = SER SER RISI R = OVE DEF REL SER SER	1.412 = 1.130 0.491 = 0.592 PORTANCE FACTOR, I _e = 1.0 E CLASS D SMIC DESIGN CATEGORY= D K CATEGORY = II 1.5 FOR (<i>TIMBER FRAME CANTILEVERED COLUMNS</i>) ER STRENGTH FACTOR, Ω_0 = 1.5 FLECTION AMPLIFICATION FACTOR, Cd = 1.5 DUNDANCY FACTOR = 1.0 SMIC RESPONSE COEFFICIENT, Cs = 0.753 SMIC BASE SHEAR = 3.5 KIPS	20. 21.	ALL CONCRETE WITH SURFACE C260, C494M, AND C618. UNLES ASTM C172 AND AIR CONTENT M <u>REINFORCING STEEL</u> SHALL CC SO NOTED ON THE DRAWINGS WELDED WIRE FABRIC SHALL C <u>DETAILING OF REINFORCING ST</u> REINFORCEMENTS AS FOLLOW
SEE	PLANS FOR ADDITIONAL LOADING CRITERIA			#4 31-INCHE #5 39-INCHE
3.	STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRA VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITE DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED FOR REFERENC DIMENSIONS.	WINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL ECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ALL E ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ALL		PROVIDE CORNER BARS AT ALL ENDS. NO BARS PARTIALLY EMBEDDE
4.	<u>CONTRACTOR</u> SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITION EXISTING CONSTRUCTION SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED AS	ONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF GUIDELINES ONLY AND MUST BE VERIFIED.	22.	STRUCTURAL ENGINEER. FIELD
5.	<u>CONTRACTOR</u> SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRU BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.	CTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE		FOOTINGS AND OTHER UNFORM
6.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METH PERFORM THE WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY A	IODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED TO AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE	23.	SLABS-ON-GRADE: UNLESS NOT UNLESS OTHERWISE DIRECTED
	SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING F STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR F CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE	FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER,	24.	CAST-IN-PLACE CONCRETE: SE
7.	<u>CONTRACTOR-INITIATED</u> CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITEC	CT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO		SEE ARCHITECTURAL DRAWING EXPOSED CONCRETE SURFACE AND ACI 117 1R-14
8.	DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CON CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED THE STRUCTURAL ENGINEER.	NDITIONS ARE NOT SPECIFICALLY INDICATED, BUT ARE OF SIMILAR D, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND	25.	POST-INSTALLED ANCHORS SH
9.	<u>ALL STRUCTURAL SYSTEMS</u> WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIE MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE W	ELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING /ITH INSTRUCTIONS PREPARED BY THE SUPPLIER.		APPROVAL FROM THE ENGINEE ANCHORS. CARE SHALL BE TAP DRILLED AND CLEANED IN ACCO
10.	SUBMITTAL REVIEW PERIOD: SUBMITTALS SHALL BE MADE IN TIME TO ALLOW MINIMUM PRIOR TO FABRICATION.	OF TWO WEEKS FOR REVIEW BY THE ARCHITECT/ENGINEER		PRODUCTS OTHER THAN THOS CALCULATIONS THAT ARE PREF DEMONSTRATE THAT THE SUBS
11.	GENERAL CONTRACTOR'S PRIOR REVIEW OF SUBMITTALS: PRIOR TO SUBMISSION TO T SUBMITTAL FOR COMPLETENESS. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED E GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DI SHALL PROVIDE THE GENERAL CONTRACTOR'S REVIEW STAMP AND SIGNATURE PRIOR	THE ARCHITECT/ENGINEER THE CONTRACTOR SHALL REVIEW THE BY THE ENGINEER AND THEREFORE MUST BE VERIFIED BY THE MENSIONAL INFORMATION REQUESTED BY THE DETAILER AND R TO FORWARDING THE SUBMITTAL TO THE ARCHITECT/ENGINEER.		PRODUCT USING THE APPROPE SHALL HAVE CURRENT ICC-ES A A. CONCRETE ANCHORS 1. MECHANICAL ANCHORS I
12.	SHOP DRAWINGS FOR: A. STRUCTURAL STEEL			WITH ACI 355.2 AND ICC-E a. SIMPSON STRC b. SIMPSON STRC
	SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINE CONTRACTOR SHALL ALSO SUBMIT SHOP DRAWINGS TO THE BUILDING DEPARTMENT A ROOF TRUSSES SHALL ALSO BE SUBMITTED TO THE MECHANICAL ENGINEER FOR COO	ER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS. AS REQUIRED. SHOP DRAWINGS FOR CONNECTOR PLATE WOOD RDINATION.		 c. HILTI "KWIK BO 2. ADHESIVE ANCHORS FOR WITH ICC-ES AC308. PRE
	CONTRACTOR SHALL SUBMIT WALL ELEVATION DRAWINGS OF AT LEAST 1/8" = 1'-0" SCA FOR REVIEW PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH REIN	LE INDICATING CONNECTION EMBEDMENTS AND WALL OPENINGS NFORCEMENT SHOP DRAWINGS.		a. SIMPSON STRO b. SIMPSON STRO c. SIMPSON STRO
13.	<u>SHOP DRAWING REVIEW</u> : DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE EI CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENC PRECAUTIONS AND PROGRAMS INCIDENTAL, THERETO.	NGINEER OF RECORD, THEREFORE, MUST BE VERIFIED BY THE W BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW SES, AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY		d. HILTI "HIT-RE 50 e. HILTI "HIT-HY 20
	SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDER IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABI DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CON AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN FOLLOWED.	ERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE RSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL RICATION AND INSTALLATION METHODS. IF DEVIATIONS, ITRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE	26.	STRUCTURAL STEEL DESIGN, FA FOLLOWS: 1. AISC 360-16 SPECIFICATIO 2. AISC 303-16 CODE OF STA PARAGRAPH 4.2.1: "THIS DETAIL CONFIGURATION 2. DETAIL CONFIGURATION
	DEFERRED SUBMITTALS FOR BUILDING COMPONENTS INCLUDING, BUT NOT IMITATED T TRUSSES, AND EXTERIOR CLADDING SHALL INCLUDE THE ENGINEER'S STAMP FOR THE COMPONENT DESIGNER PRIOR TO CURSORY REVIEW BY THE ENGINEER OF RECORD FO COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESS. ARCHITECTURAL OR STRUCTURAL DRAWINGS. DEFERRED SUBMITTALS SHALL INDICAT STRUCTURE. DESIGN CALCULATIONS SHALL BE INCLUDED IN THE SUBMITTAL.	TO, STAIRS, PREFABRICATED CONNECTOR PLATE WOOD ROOF E STATE OF WASHINGTON AND SHALL BE APPROVED BY THE OR LOADS IMPOSED ON THE BASIC STRUCTURE. THE ARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON TE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON BASIC	27.	 SPECIFICATION FOR STR AMERICAN WELDING SOC STRUCTURAL STEEL SHALL COI
14.	STATEMENT SPECIAL INSPECTIONS: THE FOLLOWING CONSTRUCTION TYPES ARE TO BE REVIEWED BY A SPECIAL INSPECTOR INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SECTION 1704 OF THE 2018 INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION AGE INSPECTIONS AND TESTS. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DE INSPECTION REPORTS AND TEST RESULTS.	OR DESIGNATED BY THE OWNER OR ARCHITECT. THE SPECIAL E, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR S SPECIAL INSPECTION. SPECIAL INSPECTION SHALL CONFORM TO ENCY SHALL BE RESPONSIBLE FOR KEEPING RECORDS OF SPECIAL EPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL	<u>TYPE</u> A. B. C. D. E.	E OF MEMBER PLATES, ANGLES, AND RODS STRUCTURAL TUBING (SQUARI ANCHOR BOLTS (EMBEDDED IN CONNECTION BOLTS (3/4" ROU THREADED RODS FOR EPOXY
	STEEL CONSTRUCTION AND WELDING: SHALL BE SPECIAL INSPECTED AS REQUIRED IN AISC 341-16, AWS D1.1, AND AWS D1.8.	THE INTERNATIONAL BUILDING CODE SECTION 1705.2, AISC 360-16,	28.	ARCHITECTURALLY EXPOSED S VIEW UPON COMPLETION OF TH FABRICATION AND ERECTION R
	POST INSTALLED ANCHORS: PERIODIC SPECIAL INSPECTION IN ACCORDANCE WITH TH	IE PRODUCTS APPROVED ICC-ES REPORT.	29.	ALL WELDING SHALL BE IN CON ELECTRODES UNLESS OTHERW
15.	<u>GEOTECHNICAL</u> FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE AN QUALIFIED SOILS ENGINEER. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTI	RE ASSUMED AND, THEREFORE, MUST BE VERIFIED BY A IFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION	30.	FRAMING LUMBER SHALL BE KIL COAST LUMBER NO. 17, LATEST
	FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACEN	T FINISHED GRADE, UNLESS OTHERWISE NOTED, FOOTINGS SHALL		JOISTS:
	BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PR	ROVIDE FOR SUBSURFACE DRAINAGE. \		(2X, 3X, AND 4X MEMBERS) BEAM AND STRINGERS:
(ALLOWABLE SOIL PRESSURE 2,0			(6 X AND LARGER MEMBER: POSTS AND TIMBERS:
(COEFFICIENT OF FRICTION 0.4 <u>SOILS REPORT REFERENCE</u> : PROJECT NO. JN 23353 PREPARED BY GEOTECH CONSUL	TANTS, INC., DATED JANUARY 19, 2024		(6 X AND LARGER MEMBERS
16.	DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMME SUPPORT EXISTING CONSTRUCTION AS REQUIRED, AND IN A MANNER SUITABLE TO THE WHERE AND AS NOTED ON THE PLANS. SAW CUTTING, IF AND WHERE USED, SHALL NO DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTUR	ENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO E WORK SEQUENCES. EXISTING REINFORCING SHALL BE SAVED OT CUT EXISTING REINFORCING THAT IS TO BE SAVED. DEMOLITION I.E. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION		2X AND 3X TONGUE AND GF
	 DEBRIS) ON EXISTING FLOOR SYSTEMS TO 40 PSF. a. ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS AND BEAMS SHALL BE AND OVERCUTTING AT CORNERS SHALL NOT BE PERMITTED. b. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF ME c. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING, IF PO d. WHERE NEW REINFORCING TERMINATES AT EXISTING CONCRETE, THREADED BAY SHALL BE PROVIDED TO MATCH HORIZONTAL REINFORCING. UNLESS OTHERWIS 	CCOMPLISHED BY SAW CUTTING WHEREVER POSSIBLE. EMBERS PRIOR TO CUTTING ANY OPENINGS. ISSIBLE. ARS INTO THREADED EXPANSION INSERTS IN EXISTING CONCRETE E NOTED ON PLANS.	31.	GLUED LAMINATED MEMBERS S AITC IDENTIFICATION MARK AND CONFORM TO APA PERFORMAN 24F-V4, F_b = 2,400 PSI, F_V = 265 P = 1,800,000 PSI. GLUED LAMINATED COLUMNS S
17.	CONTRACTOR SHALL CHECK FOR DRY ROT AT ALL EXTERIOR WALLS, EXISTING TOILET ALL WOOD MEMBERS IN BASEMENT AND CRAWL SPACES. ALL ROT SHALL BE REMOVED	ROOM FLOORS AND WALLS, AREAS SHOWING WATER STAINS, AND D AND DAMAGED MEMBERS SHALL BE REPLACED OR REPAIRED AS		TWO LAMINATIONS THREE LAMINATIONS FOUR OR MORE LAMINATIONS

DIRECTED BY THE STRUCTURAL ENGINEER.

GENERAL STRUCTURAL NOTES

(The following apply unless shown otherwise on the plans)

ITRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF TING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE CONTRACTOR SHALL BRING CONFLICTS AND DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.

CONCRETE

NCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH ACI 318-14 AND ACI 301-16. CONCRETE SHALL ATTAIN A DAY STRENGTH (f'c) OF 3500 PSI BASED ON EXPOSURE CLASS F1, SHALL CONTAIN NO LESS THAN 5-1/2 SACKS OF CEMENT, HAVE A MAXIMUM TER/CEMENT RATIO OF 0.45, MAXIMUM AGGREGATE OF ¾-INCH, AND A SLUMP OF 5 INCHES OR LESS. CONCRETE HAS BEEN DESIGNED BASED ON A NCRETE STRENGTH (fc) OF 2500 PSI PER INTERNATIONAL BUILDING CODE SECTION 1705.3 EXCEPTION 2.3 TO AVOID SPECIAL INSPECTIONS AND TERIAL TESTING.

CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM 60, C494M, AND C618. UNLESS OTHERWISE NOTED THE TOTAL AIR CONTENT SHALL BE 5%. AIR CONTENT SHALL BE SAMPLED IN ACCORDANCE WITH TM C172 AND AIR CONTENT MEASURED IN ACCORDANCE WITH ASTM C231 OR C173.

NFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENTS S1), GRADE 60, Fy = 60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY NOTED ON THE DRAWINGS SHALL BE GRADE 40, Fy = 40,000 PSI.

LDED WIRE FABRIC SHALL CONFORM TO ASTM A-185

TAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI SP-66-04 AND ACI 318-14 CHAPTER 25. LAP ALL NFORCEMENTS AS FOLLOWS:

AR SIZE	MINIMUM LAP LENGTH	MINIMUM HOOK EMBEDMENT
3	24-INCHES	6-INCHES
4	31-INCHES	8-INCHES
5	39-INCHES	11-INCHES

OVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND

BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE RUCTURAL ENGINEER. FIELD BENDING OF GRADE 60 REINFORCEMENT SHALL NOT BE ALLOWED.

NCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS

OTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OTHER CASES 1-1/2"

BS-ON-GRADE: UNLESS NOTED OTHERWISE SHALL BE 4" CONCRETE, REINFORCED WITH 6X6 W1.4XW1.4 WELDED WIRE FABRIC CENTERED IN SLAB. ESS OTHERWISE DIRECTED BY SOILS REPORT PROVIDE MINIMUM 10 MIL VAPOR BARRIER OVER 4" OF COMPACTED SAND OR GRAVEL

ST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL NCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE WALLS. E ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL POSED CONCRETE SURFACES. TOLERANCES FOR ALL STRUCTURAL CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 117-10 ND ACI 117.1R-14.

POST INSTALLED ANCHORS

T-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN ROVAL FROM THE ENGINEER—OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE CHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REINFORCEMENT. HOLES SHALL BE ILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND ICC-ES REPORT. SUBSTITUTION REQUESTS, FOR ODUCTS OTHER THAN THOSE SPECIFIED BELOW, SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH LCULATIONS THAT ARE PREPARED & SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON. THE CALCULATIONS SHALL MONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED ODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE INTERNATIONAL BUILDING CODE. SUBSTITUTIONS IALL HAVE CURRENT ICC-ES APPROVAL.

- 1. MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. PRE-APPROVED MECHANICAL ANCHORS INCLUDE: a. SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)
 - b. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
 - c. HILTI "KWIK BOLT TZ" (ICC-ES ESR-1917)

2. ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC308. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:

- a. SIMPSON STRONG-TIE "ET-3G" (ICC-ES ESR-5334) b. SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057)
- c. SIMPSON STRONG-TIE "AT-3G" (ICC-ES ESR-4057)
- d. HILTI "HIT-RE 500-V3" (ICC-ES ESR-3814) e. HILTI "HIT-HY 200" (ICC-ES ESR-3187)

STEEL

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

AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.

AISC 303-16 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. AMENDED BY THE DELETION OF THE FOLLOWING SENTENCE IN PARAGRAPH 4.2.1: "THIS APPROVAL CONSTITUTES THE OWNER'S ACCEPTANCE OF ALL RESPONSIBILITY FOR THE DESIGN ADEQUACY OF ANY DETAIL CONFIGURATION OF CONNECTIONS DEVELOPED BY THE FABRICATOR AS PART OF HIS PREPARATION OF THESE SHOP DRAWINGS." AISC 341-16 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.

AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE D1.1 AND D1.4

RUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

MEMBER	ASTM SPECIFICATION	Fy
LATES, ANGLES, AND RODS	A36	36 KSI
TRUCTURAL TUBING (SQUARE OR RECTANGULAR)	A500 (GRADE B)	46 KSI
NCHOR BOLTS (EMBEDDED IN MASONRY OR CONCRETE)	A307	
ONNECTION BOLTS (3/4" ROUND, UNLESS SHOWN OTHERWISE)	A325-N	
HREADED RODS FOR EPOXY GROUTED CONNECTIONS	A36 OR A307 GRADE C	36 KSI

HITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF THE AISC 303-10. ANY STRUCTURAL STEEL THAT IS EXPOSED TO / UPON COMPLETION OF THE PROJECT SHALL BE CONSIDERED ARCHITECTURALLY EXPOSED. SEE PROJECT SPECIFICATIONS FOR SPECIFIC BRICATION AND ERECTION REQUIREMENTS.

WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO CERTIFIED WELDERS USING E70 XX CTRODES UNLESS OTHERWISE NOTED. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED.

<u>WOOD</u>

AMING LUMBER SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH WCLIB STANDARD GRADING RULES FOR WEST AST LUMBER NO. 17, LATEST EDITION. FURNISH TO THE FOLLOWING MINIMUM STANDARDS.

<u>JOISTS</u> :	HEM-FIR NO. 2
(2X, 3X, AND 4X MEMBERS)	MINIMUM BASE VALUE, F_b = 850 PSI
BEAM AND STRINGERS:	DOUGLAS FIR LARCH NO. 1
(6 X AND LARGER MEMBERS)	MINIMUM BASIC DESIGN STRESS, F_b = 1,350 PSI
<u>POSTS AND TIMBERS</u> :	DOUGLAS FIR LARCH NO. 1
(6 X AND LARGER MEMBERS)	MINIMUM BASIC DESIGN STRESS, F_b = 1,200 PSI, F_C = 1,000 PSI
STUDS PLATES & MISCELLANEOUS LIGHT FRAMING	DOUGLAS FIR LARCH OR HEM-FIR NO. 2, MINIMUM BASIC DESIGN STRESS F_b = 850 PSI, F_C = 1,300 PSI
2X AND 3X TONGUE AND GROOVE DECKING	HEM-FIR COMMERCIAL DEX, F_b = 1,350 PSI

JED LAMINATED MEMBERS SHALL BE FABRICATED AND IDENTIFIED AS REQUIRED BY ASTM D3737 AND AITC A190.1. EACH MEMBER SHALL BEAR AN C IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC CERTIFICATE OF CONFORMANCE. ALL GLUED LAMINATED MEMBERS SHALL NFORM TO APA PERFORMANCE STANDARD PRG-305. UNLESS OTHERWISE NOTED ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION F-V4, F_b = 2,400 PSI, F_V = 265 PSI, E = 1,800,000 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, F_b = 2,400 PSI, F_v = 265 PSI, E .800.000 PSI.

UED LAMINATED COLUMNS SHALL BE COMBINATION 2-DF-L2 AS FOLLOWS:

F_c = 1600 PSI, F_t = 1250 PSI, Fbx = 1700 PSI, Fby = 1300 PSI, E_{axial} = 1,600,000 PSI F_c = 1600 PSI, F_t = 1250 PSI, Fbx = 1700 PSI, Fby = 1600 PSI, E_{axial} = 1,600,000 PSI F_c = 1950 PSI, F_t = 1250 PSI, Fbx = 1700 PSI, Fby = 1800 PSI, E_{axial} = 1,600,000 PSI PRESERVATIVES ASSOCIATION STANDARD U1.

32

33.

PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC PS 1-09 OR PS 2-18 A AMERICAN PLYWOOD ASSOCIATION PERFORMANCE STANDARD PRP-108. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD. SEE PLANS FOR THICKNESS, PANEL IDENTIFICATION INDEX AND NAILING REQUIREMENTS. EACH PANEL SHALL BE IDENTIFIED FOR GRADE AND GLUE TYPE BY THE TRADEMARKS OF AN APPROVED TESTING AND GRADING AGENCY.

ALL WOOD PLATES IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE, PROVIDE LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER BETWEEN UNTREATED LEDGERS, BLOCKING, ETC. AND CONCRETE OR MASONRY. PRESSURE TREATED LUMBER SHALL COMPLY WITH THE AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) STANDARD U1, COMMODITY SPECIFICATION A AS INDICATED BELOW OR HAVE EQUIVALENT ICC-ES APPROVAL.

PROPOSED USE
RESIDENTIAL DECKS
SAWN LUMBER
PLYWOOD
SILL PLATES
INTERIOR LEDGERS

١.	IDENTIFICATION OF TR	REA
3.	TYPE OF PRESERVAT	IVE
С.	MINIMUM PRESERVAT	IVE
).	END USE FOR WHICH	THE
Ξ.	IDENTITY OF THE ACC	RE
=	STANDARD TO WHICH	тн

TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-C-2024. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER TO ACHIEVE THE MAXIMUM PUBLISHED ALLOWABLE LOAD. ALL CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER. SHIMS, WHERE REQUIRED, SHALL BE SEASONED AN DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED.

ALL BOLTS IN WOOD	MEM	IBERS
BEARING ON WOOD.	ALL	LAG S

UNLESS NOTED OTHERWISE ALL SAWN LUMBER JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS AND ALL PREFABRICATED PLYWOOD WEB JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "IUS" SERIES JOIST HANGERS.

ALL CONNECTIONS/FASTENER
COATED GALVANIZED STEEL O
GALVANIZED CONNECTORS SH
TYPE 304 OR 316. NOTE: ELEC
SIMPSON PRODUCT FINISHES (
STAINLESS STEEL HARDWARE

WOOD	FASTE	NERS

SIZE	
6d	
8d	
10d	
12d	

16d

36

В.	NAILS — PLYWOOD (APA RATED
	COUNTERSINKING PERMITTED.

<u>WOOI</u>	D FRAMING NOTES — THE
Α.	ALL WOOD FRAMING DE CODE. MINIMUM NAILING NOTED OTHERWISE, ALL ARCHITECTURAL DRAWI INSTALLATION OF BOLTS WOOD CONSTRUCTION.

	THE INTERNATIONAL BU
B.	WALL FRAMING: ALL STU
	THE END OF ALL WALLS
	NOTED AND SHALL BEAF

2X6

STUDS MAY BE NO	ТСНЕ
STUD SIZE	MAX

BORED HOLES SHALL NC
WALLS SHALL HAVE A SIN

INGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TOEN OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d AT 12" O.C. AND LAP MINIMUM 4'-0" A JOINTS AND PROVIDE EIGHT 16d NAILS AT 4" O.C. EACH SIDE OF JOINT.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16d NAILS AT 12" O.C. STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS (WITH 7L MINIMUM EMBEDMENT) @ 4'_0" O.C. UNLESS INDICATED OTHERWISE. PROVIDE 3Lx3" x1/4L HOT-DIPPED GALVANIZED PLATE WASHERS AT ALL ANCHOR BOLTS. INDIVIDUAL MEMBERS OF BUILT_UP POSTS SHALL BE NAILED TO EACH OTHER WITH 16d NAILS @ 12" O.C. STAGGERED. REFER TO THE PLANS AND SHEAR WALL SCHEDULE FOR REQUIRED SHEATHI AND NAILING. WHEN NOT OTHERWISE NOTED, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES NAILED TO ALL STUDS, TOP AND BOTTO PLATES AND BLOCKING WITH NAILS AT 7" O.C. USE 5d COOLER NAILS FOR 1/2" GWB AND 6d COOLER NAILS FOR 5/8" GWB. PROVIDE 15/32" APA RATED SHEATHING (SPAN RATING 24/0) ON EXTERIOR SURFACES NAILED AT ALL PANEL EDGES (BLOCK UNSUPPORTED EDGES), TOP AND BOTT PLATES WITH 8d NAILS @ 6" O.C. AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH NAILS @ 12" O.C. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS.

FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS.

NOTCHES AT THE END OF JOISTS AND RAFTERS SHALL NOT EXCEED 1/4 THE DEPTH OF THE MEMBER. NOTCHES IN THE TOP OR BOTTOM SHALL NOT EXCEED 1/6 THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED WITHIN THE MIDDLE 1/3 OF THE SPAN. THE DIAMETER OF ROUND HOLES BORED IN JOISTS AND RAFTERS SHALL NOT EXCEED 1/3 OF THE DEPTH OF THE MEMBER AND SHALL NOT BE LOCATED WITHIN 2L FROM TOP OR BOTTOM EDGE.

TOENAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI JOIST BEAMS TOGETHER WITH TWO ROWS OF 16d @ 12" O.C. ATTACH RAFTER AND ROOF TRUSSES AT BEARING LINES WITH H2.5 @ 24" O.C. UNLESS OTHER METAL CONNECTIONS ARE INDICATED.

UNLESS OTHERWISE NOTED ON THE PLANS, APA RATED ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH STRENGTH AXIS PERPENDICULA TO SUPPORTS AND ATTACHED WITH 10d NAILS @ 6" O.C. TO FRAMED PANEL EDGES AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" O. TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE_AND_GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF ALL ROOF AND FLOOR SHEATHING. TOENAIL BLOCKING TO SUPPOR WITH 16d NAILS @ 12" O.C. UNLESS OTHERWISE NOTED. AT BLOCKED FLOOR AND ROOF DIAPHRAGMS PROVIDE FLAT 2X BLOCKING AT ALL UNFRAMED PANEL EDGES AND FASTEN SHEATHING TO FRAMING/BLOCKING AS SPECIFIED.

TONGUE AND GROOVE STRUCTURAL ROOF AND FLOOR DECKING SHALL BE INSTALLED AS FOLLOWS:

B. 3X AND 4X DECKING SHALL BE TOENAILED WITH ONE 40d NAIL AND FACE NAILED WITH ONE 60d NAIL PER SUPPORT. COURSES SHALL BE SPIKED TOGETHER WITH 8" SPIKES AT 30" O.C. (MAXIMUM) AND AT 10" (MAXIMUM) FROM EACH END OF EACH PIECE. SPIKES SHALL BE INSTALLED IN PREDRILLED EDGE HOLES.

WHERE REQUIRED BEAMS AND COLUMNS SHALL BE PRESSURE TREATED AFTER MANUFACTURE IN ACCORDANCE WITH AMERICAN WOOD-

		AWPA U	SE
		CATEGO	RY
DE	ECKING	3B	
JC	DISTS ABOVE GROUND	3B	
JC	DISTS IN CONTACT WITH GROUND	4A	
PC	DSTS	4A	
R/	AILING	3B	
LE	DGERS	3B	
AE	BOVE GROUND	3B	
GI	ROUND CONTACT	4A	
DA	AMP ABOVE GROUND	2	
E>	KTERIOR ABOVE GROUND	3B	
GI	ROUND CONTACT	4A	
IN	CONTACT WITH CONCRETE OR	2	
M	ASONRY		
IN	CONTACT WITH CONCRETE OR	2	
M	ASONRY		

ALL TREATED LUMBER SHALL BEAR THE QUALITY MARK OF AN ACCREDITED INSPECTION AGENCY. THE QUALITY MARK SHALL INCLUDE:

ATING MANUFACTURER USED E RETENTION (PCF)

E PRODUCT IS TREATED EDITED INSPECTION AGENCY

F. STANDARD TO WHICH THE PRODUCT IS TREATED

SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS SCREWS SHALL BE INSTALLED IN PRE-DRILLED HOLES.

RS IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-RETARDANT-TREATED WOOD, SHALL BE OF HOT DIPPED ZINC-DR STAINLESS STEEL. HOT DIPPED GALVANIZED FASTENERS SHOULD CONFORM TO ASTM STANDARD 153, AND HOT DIP HOULD CONFORM TO ASTM STANDARD A653 (CLASS G-185). STAINLESS STEEL FASTENERS AND CONNECTORS SHOULD TROPLATED GALVANIZED FASTENERS AND CONNECTORS ARE NOT TO BE USED WITH PRESSURE TREATED WOOD. CORRESPONDING TO THE ABOVE REQUIREMENTS ARE ZMAX (HOT DIPPED GALVANIZED) AND SST300 (STAINLESS STEE AND FASTENERS SHALL NOT BE COMBINED WITH UNTREATED OR GALVANIZED MATERIAL

ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

LENGTH	DIAMETE
2"	0.113"
2-1/2"	0.131"
3"	0.148"
3-1/4"	0.148"
3-1/2"	0.162"

DESIGN IS BASED ON COMMON STEEL WIRE NAILS MEETING THE REQUIREMENTS OF ASTM F1667. USE OF ALTERNATE FASTENERS MUST BE SUBMIT FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION.

RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO

FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:

ETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILD G, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. UNLESS NAILS SHALL BE AS SPECIFIED ABOVE. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AN INGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. S AND LAG SCREWS SHALL CONFORM TO SECTIONS 12.1.3 AND 12.1.4 OF THE 2018 NATIONAL DESIGN SPECIFICATION FO NATURALLY DURABLE OR PRESSURE TREATED WOOD SHALL BE PROVIDED WHERE REQUIRED BY SECTION 2304.12 OF ILDING CODE.

UD WALLS SHOWN AND NOT OTHERWISE NOTED SHALL BE 2X6 AT 16" O.C. TWO STUDS MINIMUM SHALL BE PROVIDED S AND AT EACH SIDE OF ALL OPENINGS. TWO 2 x 8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE R FULLY ON A MINIMUM OF TWO STUDS. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOOR: TO SUPPORTS BELOW. PROVIDE SOLID BLOCKING BETWEEN STUDS AT MID HEIGHT OF ALL STUD WALLS OVER 10' IN HEIGHT.

ED, CUT, OR PENETRATED WITH ROUND BORED HOLES AS FOLLOWS:

IMUM NOTCH / CUT	MAXIMUM BORED HOLE
7/8J	1-3/8J
1-3/8J	2-1/8J

OT BE LOCATED WITH 5/8L FROM THE EDGE OF THE STUD OR AT THE SAME LOCATION AS A NOTCH OR CUT.

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LEGEND

- □ □ □ HANGER
- WALL/ COLUMN



SPAN AND EXTENTS

(x) sx.x

INDICATES DETAIL X ON SHEET SX.XX

FRAMING PLAN NOTES

- DECK SHEATHING SHALL BE 23/32" TONGUE AND GROOVE APA RATED STRUCTURAL PLYWOOD SHEATHING WITH PANEL INDEX 48/24. ATTACH TO FRAMING WITH 10d NAILS AT 6" oc AT FRAMED PANEL EDGES AND WALLS AND 12" oc AT INTERMDIATE FRAMING UNO. PROVIDE BLOCKING AND PANEL EDGE NAILING PER DETAIL 2/S6.04 AT ALL PANEL EDGES UNO.
- 2. SIMPSON CCOQ SERIES COLUMNS CAPS CALLED OUT ON THE PLANS ARE THE "NO STRAP" VERSION AND SHALL BE BE WELDED TO THE TOP OF HSS COLUMNS WITH 3/16" FILLET WELDS ON ALL SIDES.
- GUARDRAILS AND ATTACHMENT TO STRUCTURE HAVE BEEN DESIGNED TO RESIST A 200# POINT LOAD ON THE TOP RAIL ACTING IN ANY DIRECTION. IF A DIFFERENT GUARDRAIL SYSTEM IS INSTALLED, CONTRACTOR SHALL VERIFY TO THE INSPECTOR THAT ALL GUARDS AND RAILINGS SHALL BE CAPABLE OF RESISTING 200# POINT LOAD ON THE TOP RAIL ACTING IN ANY DIRECTION AS REQURIED BY IRC TABLE R301.5.





FOUNDATION & FRAMING PLAN 3440 69TH AVE SE MERCER ISLAND, WA 98040

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NO.	REV. COMMENTS FROM CITY	04.10.24		
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