

# PROJECT INFORMATION:

## SCOPE: CONSTRUCT NEW RESIDENCE AND DECK

### CARPENTRY:

SAWN LUMBER DESIGN IS BASED ON THE NATIONAL DESIGN SPECIFICATION, LATEST EDITION. SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. ALL LUMBER NOT SPECIFICALLY NOTED TO BE D.F.#2 OR BETTER. ALL WOOD IN PERMANENT CONTACT WITH CONCRETE OR CMU SHALL BE PRESSURE TREATED UNLESS AN APPROVED BARRIER IS PROVIDED. FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY (OR ENGINEER APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. HANGERS NOT SHOWN SHALL BE SIMPSON HU OF SIZE RECOMMENDED FOR MEMBER. ALL HANGERS AND NAILS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE SIMPSON Z-MAX HANGERS OR STAINLESS STEEL. ALL SHEAR WALL SHEATHING NAILS SHALL BE COMMON NAILS. ALL FRAMING NAILS SHALL BE COMMON NAILS. OR HOT DIPPED GALVANIZED BOX NAILS. FRAMING NAILS SHALL BE PER IBC TABLE 2304.9.1 OR IRC TABLE R602.3(1).

PLYWOOD PANELS SHALL CONFORM TO THE REQUIREMENTS OF "U.S. PRODUCT STANDARD PS 1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 PERFORMANCE STANDARDS. UNLESS NOTED, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. PLYWOOD INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

ALL ROOF SHEATHING AND SUB-FLOORING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. SHEAR WALL SHEATHING SHALL BE BLOCKED WITH 2X FRAMING AT ALL PANEL EDGES. NAILING NOT SPECIFICALLY IDENTIFIED ON THE DRAWINGS TO CONFORM WITH IRC TABLE R602.3(1).

GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH U.S. PRODUCT STANDARD PS 56, "STRUCTURAL GLUED LAMINATED TIMBER" AND AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC 117. EACH MEMBER SHALL BEAR AN AITC OR APA-EWS IDENTIFICATION MARK AND BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE. ONE COAT OF END SEALER SHALL BE APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER SHOP OR FIELD. GLULAM HANGERS NOT SHOWN SHALL BE SIMPSON EG. BEAMS SHALL BE VISUALLY GRADED WESTERN SPECIES INDUSTRIAL GRADE, AND OF THE STRENGTH INDICATED BELOW:

DEPTH	COMBINATION SYMBOL	SPECIES	USE
ALL	24F - V4	DF/DF	(SIMPLE SPAN)
ALL	24F - V8	DF/DF	(CONT. OR CANTILEVER)

PREMANUFACTURED WOOD JOISTS: PREMANUFACTURED WOOD JOISTS SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS, MANUFACTURED BY THE TRUS JOIST COMPANY, OR AN ENGINEER APPROVED EQUAL. PROVIDE BRIDGING IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS. JOISTS AND BRIDGING SHALL BE CAPABLE OF RESISTING THE WIND UPLIFT NOTED ON THE DRAWINGS. THE JOIST MANUFACTURER SHALL VISIT JOB SITE AS REQUIRED AND VERIFY THE PROPER INSTALLATION OF JOISTS IN WRITING TO THE ARCHITECT/ENGINEER. PREMANUFACTURED WOOD JOIST ALTERNATES WILL BE CONSIDERED, PROVIDED THE ALTERNATE IS COMPATIBLE WITH THE LOAD CAPACITY, STIFFNESS, DIMENSIONAL, AND FIRE RATING REQUIREMENTS OF THE PROJECT, AND IS ICBO APPROVED.

### LUMBER SPECIES:

A. POSTS, BEAMS, HEADERS, JOISTS, AND RAFTERS TO BE DF-#2

B. EXPOSED ARCH BEAMS TO BE DF-#1 OR BETTER

C. SILLS, PLATES BLOCKING, AND BRIDGING TO BE DF-#2.

D. ALL STUDS TO BE DF#2 OR BETTER.

E. PLYWOOD SHEATHING SHALL BE AS FOLLOWS:

ROOF SHEATHING SHALL BE 1/2" CDX INT-APA RATED 32/16.  
WALL SHEATHING SHALL BE 1/2" INT-APA RATED 32/16 OR 7/16" OSB.  
FLOOR SHEATHING SHALL BE 3/4" T & G INT-APA RATED OSB.

F. "I" JOISTS SHALL BE MANUFACTURED BY TRUS JOIST OR ENGINEER APPROVED EQUAL.

G. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

### NOTES:

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### CODE:

ALL CONSTRUCTION TO CONFORM WITH IRC AND WFCM

### DESIGN:

WIND= 110MPH,35EC

GSL + 55PSF (40PSF>4:12)

SEISMIC= 1C=B.55=0.261(2 SEC)

S1=0.16T (1.0 SEC)

REVISION DATE  
PROPOSED BY  
NUMBER DATE

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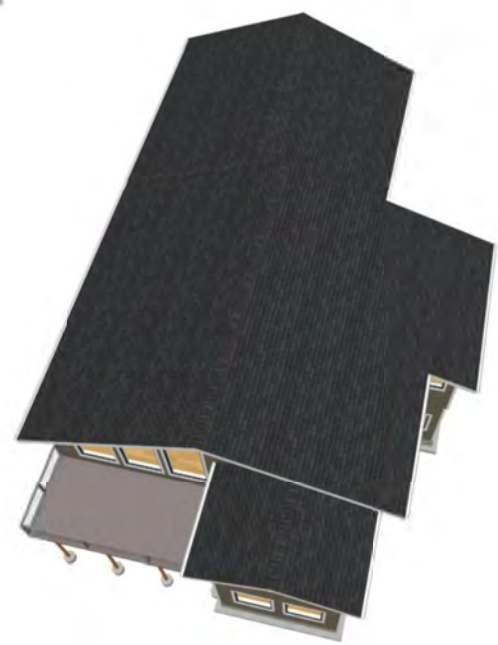
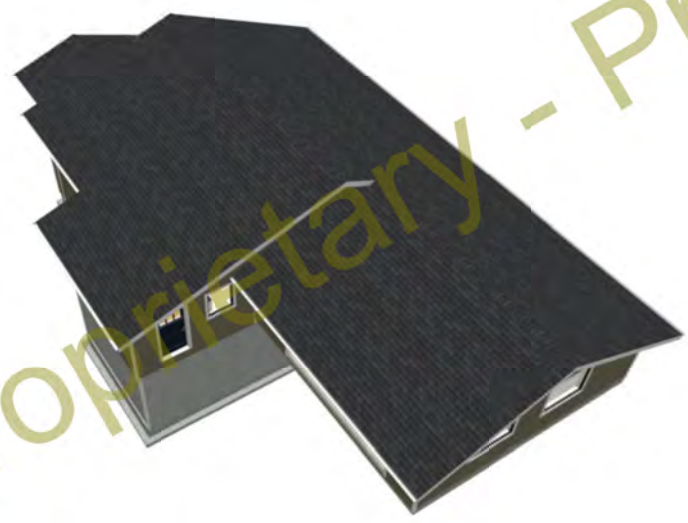
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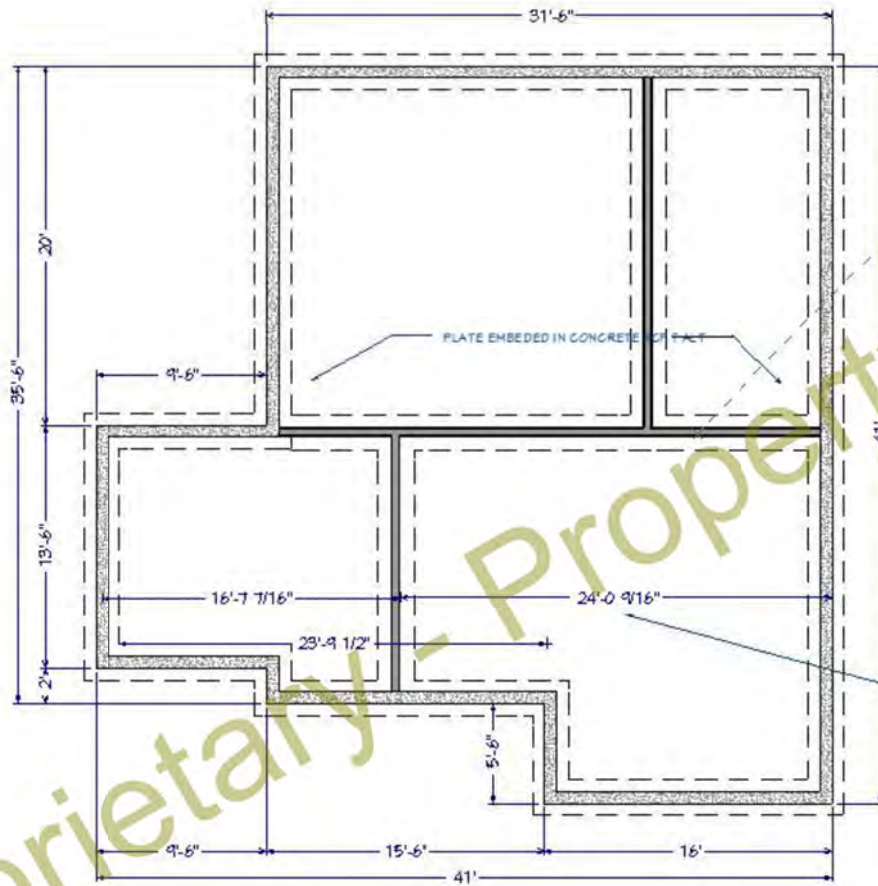
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LIVING AREA  
1335 SQ FT

SMALL FOOTING = 3' X 24' X 11.5' = 8,581 GY  
 LG FOOTING = 14' X 58' X 57' = 11,904 GY  
 STEEL WALL = 3' X 24' X 11.5' = 8,581 GY  
 RETAINING WALL = 12' X 103' X 57' = 22,514 GY  
 = 55 GY + WASTE / CLEANOUT / % SLOE DRY

RETAINING WALL =  
 3" SHL FOOTING  
 + 24" STEEL WALL  
 + 15' CGA FL  
 + 11" T&B + 3/4" FLOOR  
 + 32" 5/8" STUD  
 + 4" 1/2" PLATES  
 = 115' 14"  
 - 1 1/2" CGA PLATE  
 - 14" LG FOOTING  
 = 41' 18"  
 110' 6" = 15 COURSES

BCI 40' O.C. = 235'  
 L360  
 MOVE BED WALL

BNP 40' = 18' O.C. = 241'  
 L450 (CODE MIN = L360)  
 NON STRUCTURAL BATH WALL ADD STIFF

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