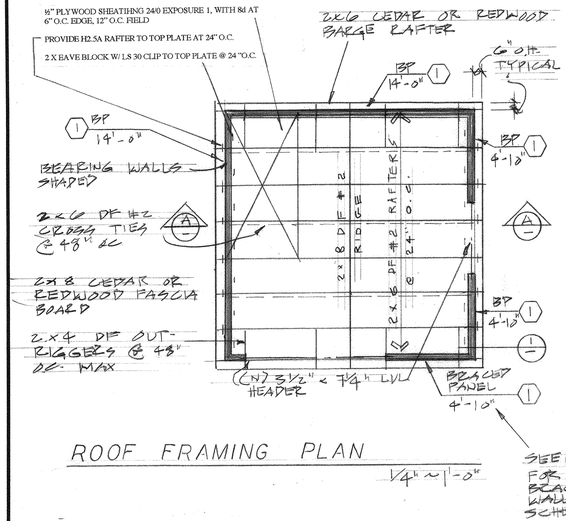
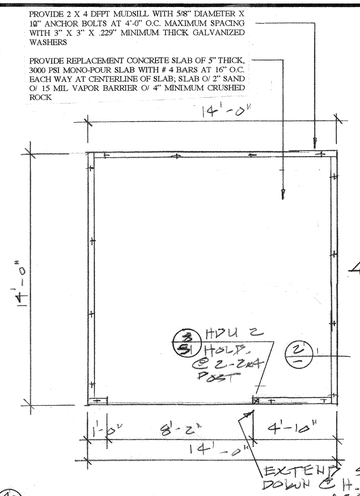


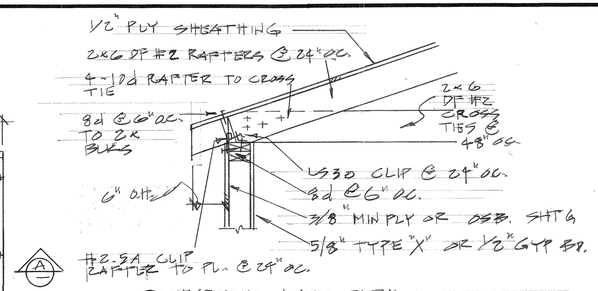
ROOF FRAMING PLAN

¼" ~ 1'-0"



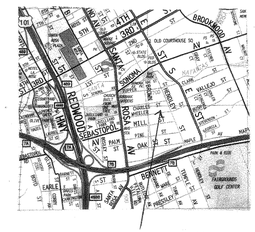
FOUNDATION PLAN

¼" ~ 1'-0"



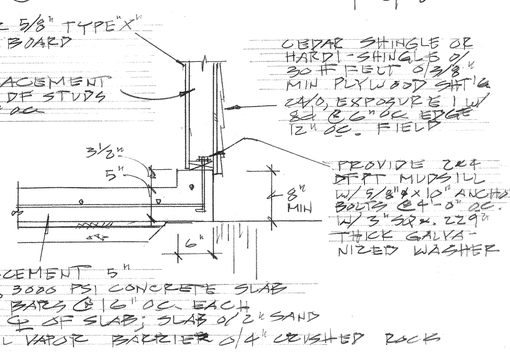
1 TYPICAL EAVE DETAIL

1" ~ 1'-0"



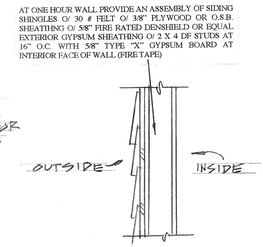
JOB SITE

VICINITY MAP



2 STANDARD/TYPICAL FOUNDATION

1" ~ 1'-0"



3 ONE HOUR WALL

1" ~ 1'-0"

NOTE: The contractor shall verify all dimensions, clearances, and existing roof slopes (if any) on site prior to ordering of materials. All finish materials and architectural details should be reviewed and approved by the owner before installation. The architect shall be contacted if any discrepancies exist between existing conditions and those illustrated on the plans so appropriate remedies can be determined. All construction shall conform with

- 2019 California Building Code (based on the 2018 International Building Code)
- 2019 California Residential Code (based on the 2018 International Residential Code)
- 2019 California Green Building Code
- 2019 California Plumbing Code (based on the 2018 Uniform Plumbing Code)
- 2019 California Mechanical Code (based on the 2018 Uniform Mechanical Code)
- 2019 California Electrical Code (based on the 2018 National Electrical Code)
- 2019 California Fire Code (based on the 2018 International Fire Code)
- 2019 California Energy Code (based on Part 6 of Title 24 of the California Code of Regulations) & City of Santa Rosa Codes and Ordinances

JOB DESCRIPTION: REPLACEMENT OF EXISTING 14' X 14' GARAGE DAMAGED BY FALLEN TREE LIMB. NEW GARAGE TO REPLICATE EXISTING GARAGE IN SIZE, SIDING, ROOF PITCH, AND WINDOW AND DOOR LOCATIONS. GARAGE RE-CONSTRUCTION TO OCCUR AT EXACT LOCATION OF PREVIOUS GARAGE

OCCUPANCY: U CONSTRUCTION: VB W/ NO SPRINKLER FLOOR AREA: 196 S.F.

OWNER: PATRICIA E. KARR LIVING TRUST (KATHARINE BOLTON, SOLE TRUSTEE)

SHEET SCHEDULE

SHEET 1 SITE PLAN, CODE COMPLIANCE STATEMENT, DESIGN AND STRUCTURAL PLANS

SHEET SN GENERAL NOTES

SHEET S1 GEN. STRUCT. DETAILS, BRACED PANEL SCHED.

ALL FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER LESS THAN 5/8" THICK SHALL BE STAINLESS STEEL OR BE HOT DIPPED GALVANIZED

ELECTRICAL NOTES (APPLIES TO NEW LIGHTS AND ELECTRICAL RECEPTACLES

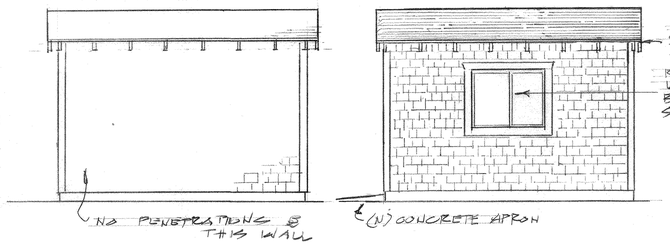
1. ALL NEW EXTERIOR OUTLETS SHALL BE WEATHERPROOF GFI OUTLETS
2. ALL NEW ELECTRICAL OUTLETS SHALL BE TAMPERPROOF AND GFI PROTECTED; VERIFY MOUNTING HEIGHT WITH CLIENT
3. ALL LIGHTING SHALL BE L.E.D. EXTERIOR LIGHTING SHALL BE CONTROLLED BY MOTION AND PHOTO SENSOR. EXTERIOR LIGHTING SHALL NOT PROVIDE GLARE ONTO NEIGHBORING PROPERTIES
4. MAIN ELECTRIC PANEL IS 100 AMP; PROVIDE 40 AMP SUB-PANEL TO GARAGE

FIRE PROTECTION

1. PROVIDE ONE HOUR WALL ON WEST ELEVATION WHERE BUILDING IS LESS THAN 5' FROM PROPERTY LINE
2. PROVIDE FIRE BLOCKING AT THE FOLLOWING LOCATIONS
   - A. IN CONCEALED SPACES-INCLUDING FURRED SPACES-OF STUD WALLS AND PARTITIONS AT THE CEILING AND FLOOR LEVELS AND AT 10'-0" INTERVALS BOTH HORIZONTALLY AND VERTICALLY.
   - B. AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES, SUCH AS OCCURS AT SOFFITS, DROPPED CEILINGS, AND COVE CEILINGS
   - C. IN OPENINGS AROUND VENTS PIPES, DUCTS, CHIMNEYS, FIREPLACES, AND SIMILAR OPENINGS AT CEILING AND FLOOR LEVELS; MATERIALS SHALL BE NON-COMBUSTIBLE

SECTION "A"

¼" ~ 1'-0"

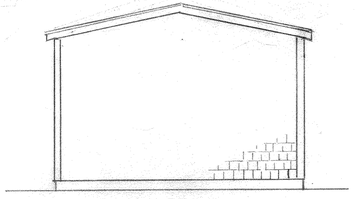


LEFT ELEVATION (WEST)

¼" ~ 1'-0"

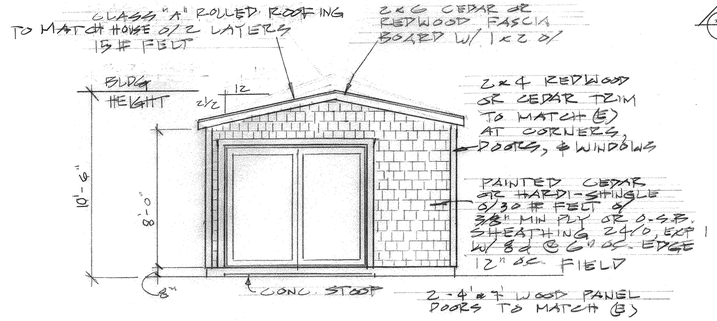
RIGHT ELEVATION (EAST)

¼" ~ 1'-0"



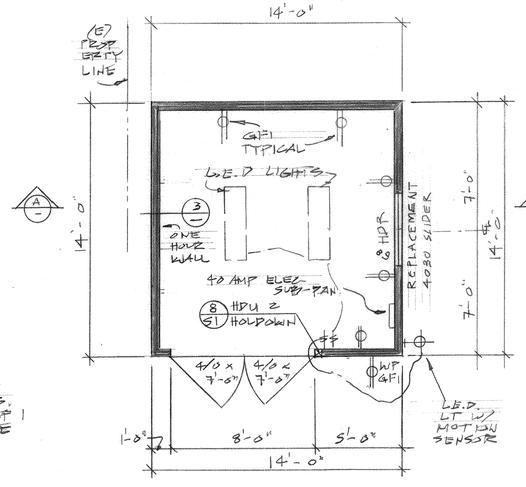
REAR ELEVATION (NORTH)

¼" ~ 1'-0"



FRONT ELEVATION (SOUTH)

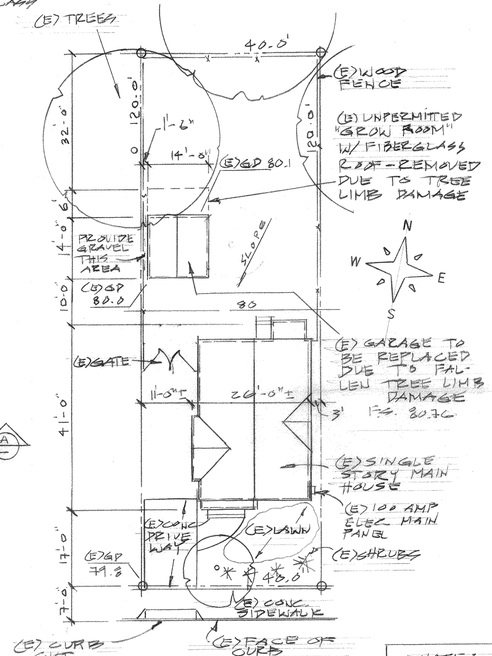
¼" ~ 1'-0"



FLOOR PLAN

196 S.F.

¼" ~ 1'-0"



SITE PLAN

SCALE 1/16" ~ 1'-0"

NOTE: NO CHANGES TO EXISTING LANDSCAPING

REVISIONS	BY

STUDIO 202
ARCHITECTURAL DESIGN RESIDENTIAL ENERGY COMPLIANCE SITE PLANNING
BRENT I. RUSSELL, ARCHITECT
202 WEBSTER STREET, PETALUMA, CA 94952
PHONE / FAX 707-769-0535

PROPOSED SHED REPLACEMENT AT
729 WHEELER ST., SANTA ROSA, CA
APN 009-252-022

LICENSED ARCHITECT BRENT I RUSSELL C-30643 9/21 RENEWAL DATE STATE OF CALIFORNIA

Date	12/23/20
Scale	
Drawn	ER
Job	729 WHEELER
Sheet	1
Of	3 Sheets

ABBREVIATIONS

@	AT	EXT	EXTERIOR
A.B.	ANCHOR BOLT	FIN	FINISHED
ABV	ABOVE AND BELOW	FLR	FLOOR
ABV	ABOVE	FND	FOUNDATION
ALT	ALTERNATE	F.O.C.	FACE OF CONCRETE
A.Y.C.	ALASKAN YELLOW CEDAR	F.O.M.	FACE OF MASONRY
BD	BOARD	F.O.P.	FACE OF POST
BLDG	BUILDING	F.O.S.	FACE OF STUD
BLK(G)	BLOCK(ING)	FN	FACE NAIL
BLW	BELOW	FRMG	FRAMING
BM	BEAM	FT	FOOT/FEET
BOT	BOTTOM	FTG	FOOTING
B.P.	BRACED PANEL	GA	GAUGE OR GAGE
℄	CENTERLINE	GALV	GALVANIZED
CA	CALIFORNIA	GLB	GLU-LAMINATED BEAM
CANT	CANTILEVER	GYP	GYPSUM
C.J.P.	CAST IN PLATE	HDR	HEADER
C.J.	CONTROL JOINT	HGR	HANGER
CLR	CLEAR	HORIZ	HORIZONTAL
C.M.U.	CONCRETE MASONRY UNIT	H.S.	HIGH STRENGTH
COL	COLUMN	HT	HEIGHT
CONC	CONCRETE	INFO	INFORMATION
CONN	CONNECTION	INT	INTERIOR
CONT	CONTINUOUS	JST	JOIST
CSK	COUNTERSINK	JT	JOINT
d	PENNY (NAIL SIZE)	K.P.	KING POST
DET	DETAIL	L.B.	LAG BOLT
DBL	DOUBLE	LBS	POUNDS (#)
D.F.	DOUGLAS FIR	L.G.S.	LIGHT GAUGE STEEL
DIA	DIAMETER (ø)	LL	LIVE LOAD
DIM	DIMENSION	LOC	LOCATION
D.J.	DOWEL JOINT	LSL	LAMINATED STRAND LUMBER
DL	DEAD LOAD	LVL	LAMINATED VENEER LUMBER
DWG	DRAWING	MAX	MAXIMUM
(E)	EXISTING	M.B.	MACHINE BOLT
EA	EACH	MECH	MECHANICAL
E.B.	EXPANSION BOLT	MFD	MANUFACTURED
ELEV	ELEVATION	MFR	MANUFACTURER
EMBED	EMBEDMENT	MIN	MINIMUM
E.N.	EDGE NAIL	MISC	MISCELLANEOUS
ENGR	ENGINEER	(N)	NEW
EQ	EQUAL	N/A	NOT APPLICABLE
EQUIV	EQUIVALENT	N.I.C.	NOT IN CONTRACT
E.W.	EACH WAY	NO	NUMBER
EXP	EXPANSION	N.T.S.	NOT TO SCALE
O/	OVER		
O/C	ON CENTER		
OPP	OPPOSITE		
±	PLUS OR MINUS		
P.D.F.	POWER DRIVEN FASTENER		
PERF	PERFORATED		
PERP	PERPENDICULAR		
PL	PLATE		
PLY	PLYWOOD		
PSF	POUNDS/SQUARE FOOT		
PSI	POUNDS/SQUARE INCH		
PSL	PARALLEL STRAND LUMBER		
P.T.	PRESSURE TREATED		
R	RADIUS		
REF	REFERENCE		
REINF	REINFORCING		
REQ	REQUIRED		
RET	RETAINING		
R.O.	ROUGH OPENING		
RWD	REDWOOD		
S.A.D.	SEE ARCHITECTURAL DRAWINGS		
SHTG	SHEATHING		
SIM	SIMILAR		
S.M.D.	SEE MECHANICAL DRAWINGS		
SPECS	SPECIFICATIONS		
SQ	SQUARE		
S.S.	SELECT STRUCTURAL		
STD	STANDARD		
STL	STEEL		
SW	SHEARWALL		
SYM	SYMMETRICAL		
SCHED	SCHEDULE		
T&B	TOP & BOTTOM		
T&G	TONGUE & GROOVE		
TN	TOENAIL		
T.S.	TUBE STEEL		
TYP	TYPICAL		
U.B.C.	UNIFORM BUILDING CODE		
U.O.N.	UNLESS OTHERWISE NOTED		
V.B.	VAPOR BARRIER		
VERT	VERTICAL		
V.I.F.	VERIFY IN FIELD		
W/	WITH		
WP	WATERPROOF		
WT	WEIGHT		
WWF	WELDED WIRE FABRIC		

SYMBOL LEGEND

LENGTH
(#) ANCHOR BOLTS
POST
W/ HOLDOWN — SHEAR WALL CALLOUT

BEARING WALL (SHADED)

NON-BEARING WALL (NO SHADE)

HEADER OR BEAM

1 / S2 — DETAIL NUMBER / SHEET NUMBER — DETAIL REFERENCE

SECTION NUMBER / SHEET NUMBER — SECTION CUT

CONTINUOUS MEMBER

BLOCK MEMBER

SHEATHING

HANGERS

SHEATHING NAILING PER PLAN

REVISION AREA

1 — REVISION NUMBER

GENERAL NOTES

1 All work shall be in conformance with the 2019 CRC & CBC Edition and any applicable local ordinances except where other notes are more restrictive.

2 Drawings are not to be scaled. Building dimensions shown on the structural drawings are for general reference only. See architectural drawings for all actual building dimensions. The contractor shall notify the architect/engineer of any discrepancies on the drawings requiring clarification or revisions prior to commencing with work.

3 Details not shown, nor detailed on drawings, nor called for in these notes shall be constructed to some size and character as for similar conditions which are shown, detailed or specified.

4 At all times the contractor shall be solely and completely responsible for conditions at the job site, including safety of persons and property; also design, adequacy and safety of temporary shoring, bracing, form work, scaffolding, erection methods, etc. Any job site visit by the engineer is not intended to include review of the adequacy of the contractor's safety measures.

5 The contractor shall warrant that all materials and workmanship are in compliance with th drawings and specifications. Any and all changes must have the architect's approval.

DESIGN CRITERIA 2019 CRC & CBC

1 Vertical loads: Dead Load / Live Load
Roof [illegible] PSF / 20 PSF
Floor 11 PSF / 40 PSF

2 Soil / Foundation: Hand-Bore Slates
Soil Profile Type: S
Allowable Soil Bearing Pressure: 1500 PSF

3 Lateral Loads:
Wind Loads: 80 MPH wind, Exposure C — 110 MPH ULT.

FOUNDATION NOTES

1. All site work, drainage systems, grading, and foundation excavations shall be done in accordance with Chapter 18 of the 2019 CBC and Chapters 3 & 4 in the 2019 CRC

2. Foundation design is based upon the minimum footing dimensions set forth in 2019 CRC Table R 403.1(1). The design assumes class 5 soil with a bearing pressure of 1500 p.s.f. and constant expansion index of less than 20 unless otherwise note in the structural calculations

3. Bottom and top of footings shall be level and stepped where slope exceeds 1:10. Provide 7" minimum horizontal confinement from bottom of footing to face of slope.

4. All foundations shall bear on firm, undisturbed, native soils or engineered fill at or exceeding the depths shown on the drawings. All footing excavations shall be neat. Over excavations in depth and width shall be filled with concrete, or shall be reported to the engineer or architect and backfilled as he directs. All loose soils shall be removed from excavations prior to placement of concrete.

5A Garage slab on grade shall be 4 inches thick with #3 @ 18" o/c ea way at center line of slab over 1" of sand over 6 mil. vapor barrier over 1" sand over 4" minimum of clean, free-draining gravel or crushed rock over prepared subgrade.

5B Porch slab on grade shall be 4 inches thick with #3 @ 18" o/c ea way at center line over compacted backfill or crushed gravel placed early during construction so as to achieve maximum settlement prior to pouring of slab.

6 All slabs shall be completely separated from foundation stem walls with felt or mastic and slabs shall have 1/8" x 1" deep control joints at 12 feet on center maximum in each direction unless otherwise noted.

7 Provide 20'-0" #4 AWG bare copper wire in bottom 2" of footing/grade beam with grounding electrode below electrical panel where occurs.

8 Anchor bolt size and spacing shall be per plan. Bolts shall have 7" minimum embedment into concrete. Bolts shall be located 6" minimum and 12" maximum from end of sill plate. Anchor bolts and inserts shall be ridigly held in place prior to placing concrete.

9 Shear walls and interior braced wall panels are designated with ⬡ See WALL FRAMING NOTES on this sheet for general requirements.

10 Sheath all exterior walls and cripple walls per [illegible] of "4/S1" unless otherwise noted (or shown as a shear wall on plan). All exterior wall panels four (4) feet or greater in length without openings shall be considered braced wall panels meeting the requirements of 2019 CRC & CBC

Shear wall tie down anchors shall be "Holdown" or "Tension Tie" anchors as manufactured by Simpson Strong-Tie Company, Inc. and referenced per the current catalog specifications (ie: HDBA, HTT22). See detail "8/S1" for installation requirements. Where tie down anchors are specified on the foundation plan, then the tie down anchor shall be located just above the first floor framing. If cripple walls occur below the first floor framing, then extend the threaded rod from the foundation up through the cripple wall to the tie down anchor, as shown in detail "8/S1".

11

REINFORCING STEEL

1 All reinforcing steel shall conform with ASTM A-615, grade 40 for #5 bar and smaller and grade 60 for #6 bar and larger. Reinforcing steel shall be kept clean and free of rust.

2 Welded wire mesh shall conform with ASTM A-185 and shall be lapped 12" minimum and be placed at center depth of slab.

3 All reinforcing bars shall be as long as is practical and all bends shall be cold bent. Securely tie all reinforcing bars at each end or as near thereto as possible and at a maximum of 48" on center prior to placement of grout. At corners and intersections, bars shall return a minimum of 24". All reinforcing bar splices shall be lapped per detail "11/S1".

CONCRETE NOTES

1 All concrete shall be normal weight (150 pcf) hard rock concrete and shall develop a minimum ultimate compressive strength of 2500 psi at 28 days and be 5 sack mix unless otherwise noted. Design is based on compressive strength of 2500 psi. Concrete quality mixing and placing shall conform with UBC Section 1905.

2 Minimum concrete cover requirements for reinforcing steel shall be:
3" when cast against and exposed to earth
2" when formed and exposed to earth or weather
3/4" when not exposed to weather or in contact with ground (slabs & walls)

3. 20 % of cement mix to be made up of fly ash

MANUFACTURED WOOD PRODUCTS

1A Glu-Lam beams shall conform to ANSI/AITC 190.1 and ASTM D3737. Glu-Lams shall be combination 24F-V4 for simple span conditions and 24F-V8 for continuous and cantilever conditions unless otherwise noted. Beams shall have standard camber (1600" ±) unless otherwise noted. Glu-Lam beams shall meet the following design properties: E = 1,800,000. psi; Fb = 2400. psi; Fv = 165. psi. GLB's shall be industrial appearance u.o.n.

1B All Glu-Lam beam inspection certificates shall be submitted to the field inspector prior to completion of frame inspection.

CARPENTRY NOTES

1 Lumber shall be grade marked in accordance with "standard grading and dressing rules" of the West Coast Lumber Inspection Bureau (W.C.L.I.B.)

2 All lumber framing members shall be Douglas Fir (D.F.) of the following grades unless specifically noted otherwise on the plans:
Joists & Rafters ..... No. 2
4x Beams & Posts ..... No. 2
6x Beams & Posts ..... No. 1
Studs > 10 feet ..... No. 2
Studs < 10 feet ..... STD or better
Plates & Blocking ..... STD or better

3 All framing lumber shall have a maximum moisture content of 19%. Green lumber shall be braced at midspan, un til dried, to prevent sagging.

4 Lumber in contact with concrete shall be pressure treated Douglas Fir (P.T.D.F.) conforming to ..... AMPSI LP-2 standard. Lumber embedded in concrete or earth shall be pressure treated Douglas Fir (P.T.D.F.) conforming to AMPSI LP-22 standard. Use Chromated Copper Arsenate (CCA) treatment compounds or similar chemicals that are non-corrosive to zinc-coated steel.

5 Structural plywood sheathing shall be CD grade, exposure 1, conforming to PS-1-95 of the American Plywood Association unless otherwise noted. Supported edges of plywood shall butt along the center of framing members.

6 Nails used in exterior applications or in pressure preservative treated wood shal be hot-dipped zinc coated galvanized box nails, unless otherwise noted. Where nailing causes wood to split, replace member and predrill holes.

All nailing not specifically called out on plans shall be per table 2019 CRC & CBC [illegible] and detail "9/S1". Nail types shall be as indicated below (also applies to gun nails):

a. Roof and Floor Sheathing — Common Nails
b. Shearwall Sheathing — Common or Hot Dipped Galvanized Box (electroplated box nails are not acceptable)
c. Framing — Common, Box or Coated Sinker Nails u.o.n.
d. Metal Connectors — Nails shall be as specified by manufacturer u.o.n.

Nail Size	Length	Wire Diameter (inches) Common	Box
6d	2"	.113	.099
8d	2 1/2"	.131	.113
10d	3"	.148	.128
12d	3 1/4"	.148	.128
16d	3 1/2"	.162	.135
20d	4"	.192	.148

7 All metal framing connectors, clips, joist hangers, straps, etc. shall be manufactured by Simpson Strong Tie Company. Fill all nail or bolt holes in connectors per manufacturer's specifications and per note 6 above. Install and tighten connectors just prior to covering where possible.

8 Bolts shall be standard machine bolts (M.B.) conforming to ASTM 307 with sizes as shown on the plans and details. Use malleable iron or plate washers under head and nut where bearing is against wood. Bolt holes in wood shall be 1/16"larger than the bolt diameter. Holes for bolts shall not be located in or near lumber with knots or checks. Bolts and washers exposed to weather shall be galvanized.

9 Structural members shall not be notched, cut or otherwise altered for ducts, pipes, etc. u.o.n. or approved by the engineer. She detail "2/S1".

10 Place all lumber joists and beams with the crown up.

11 To minimize lumber shrinkage effects, install and tighten straps and tie down anchors (Holdowns) just prior to covering, whenever possible.

12 Lag screws require preboring as follows:

SHANK DIAMETER	LEAD HOLE (1)	SHANK HOLE (2)
1/4"	3/32"	1/4"
3/8"	7/32"	3/8"
1/2"	5/16"	1/2"
5/8"	3/8"	5/8"

(1) Lead hole depth equals lag length.
(2) shank hole depth equals shank length.
Do not drive lag screws with hammer.
Soap or lubricate threads to ease installation.

WALL FRAMING NOTES

1 See sheet S1 for standard construction details.

2 Shear walls and interior braced wall panels are designated with ⬡ and are above the level of framing shown unless otherwise noted. See SHEAR WALL / BRACED WALL SCHEDULE "4/S1" for specific and general requirements.

3 Sheath all exterior walls and cripple walls per 6BP at "4/S1" unless otherwise noted (or shown as a shear wall on plan). All exterior wall panels four (4) feet or greater in length without openings shall be considered braced wall panels meeting the requirements of 2019 CRC & CBC unless otherwise noted.

4 Stud sizes shall be as specified on plan and where not noted shall be per the table shown in detail "17/S1" unless otherwise noted.

5 All studs shall be framed full height (continuous pieces) between supporting floors, ceilings, and roofs unless otherwise noted. End joints in wall double top plates shall be offset a minimum of 48 inches. See detail "1/S1" for typical lap splice conection.

6 Foundation cripple walls shall be framed of studs not smaller in size than the studs in the level above. Cripple walls greater than four feet high shall be 2x6 at 16" o/c minimum when supporting two floor levels.

7 Cripple wall stud lengths less than 6 inches shall be framed of solid double 2x lumber.

8 Header sizes shall be as specified on plan and where not noted shall be per the schedule shown in detail "15/S1" unless otherwise noted. Interior bearing walls below framing are shown shaded. All exterior walls are bearing walls unless otherwise noted.

9 Posts indicated on framing plans are below unless otherwise noted. Post sizes are indicated on the highest level framing plan on which they occur. Provide post at each level below uppermost post to foundation or beam/header support.

10 Posts indicated but not called out are a minimum of (2) 2x studs. When supporting 4x members provide 1/2" plywood filler between studs. See detail "3/S1" for headers framed into walls. Provide multiple studs under all multiple joists and roof girder trusses to match bearing width.

11 At floor levels, solid block in the joist space under all posts to the full width of the post.

12 Notches and holes cut in studs shall be per detail "2/S1" unless otherwise noted. Increase stud size as necessary to accommodate holes. Do not notch studs for "Let in" bracing.

13 Wall framing at chimneys and fireplaces shall be full height. Chimneys shall be 24 inches minimum in each direction. Where splicing of studs is required, studs shall be double. The splice length shall be a minimum of one-third the length of the individual piece nailed with (2) 16d at 8" o/c. Top plates interrupted by full height framing shall be strapped with a continuous CS16 strap. Extend the strap 30 inches beyond each end of the full height framing and nail with (2) 8d at 4" o/c to the top plates and 2x blocking unless otherwise noted. Chimneys and fireplaces requiring splicing shall be sheathed with plywood or panel siding.

14 At wall heights greater than 10'-0", provide 2x blocking at 10'-0" o/c maximum. At vertical board siding provide 2x blocking at 24" o/c maximum unless otherwise noted.

15 Provide a minimum of 3 studs at each corner.

FLOOR FRAMING NOTES

1 See sheet S1 for standard construction details.

2 Shear walls and interior braced wall panels are designated with ⬡ and are above the level of framing shown unless otherwise noted. See WALL FRAMING NOTES on this sheet for general requirements.

3 Floor shall be sheathed with APA rated sheathing, 48/24, exposure 1, T & G, 3/4" minimum thickness. Install sheets with face grain perpendicular to supports. Stagger sheets and glue and nail with 8d @ 6" o/c edges and 12" o/c field typical unless otherwise noted.

4A When braced panels run perpendicular to joist add blocking under wall and double joist at ends.

4B When braced panels run parallel to joist add double joist under wall.

5 All floor openings shall be between joists unless otherwise noted.

6 Provide additional joist under all parallel partitions of length greater than one-half the joist span or walls greater than four (4) feet in length unless otherwise noted.

FRAMING HANGERS

I-Joist hangers shall be us follows un less otherwise noted on plans:

Single LPI 16" CTR 350 ..... MIT3516-2
Double LPI 16" CTR 350 ..... WP3516-2 *
Sloped or skewed members ..... LSSU Hanger

Sawn lumber hangers shall be as follows unless otherwise noted on plans:

Single 2x6 ..... US28 Hanger
Double 2x6 ..... US26-2 Hanger
Single 2x10 ..... US210 Hanger
Double 2x10 ..... US210-2 Hanger
Single 2x12 ..... US212 Hanger
Double 2x12 ..... US212-2 Hanger

* Requires web stiffenerr.

ROOF FRAMING NOTES (Stick framing)

1 See WALL FRAMING NOTES on this sheet for shear wall and braced panel general requirements.

2 Roof shall be sheathed with APA rated sheathing, 24/0, exposure 1, 15/32" minimum thickness. Install sheets with face grain perpendicular to supports. Stagger sheets and nail with 8d @ 6" o/c edges and 12" o/c field typical unless otherwise noted.

3 Building has been designed for a maximum roofing dead load of 4 psf.

4 All roof openings shall be between rafters unless otherwise noted on the drawings.

5 Interior bearing walls are shown shaded. All exterior walls are bearing walls unless otherwise noted. Brace purlins, rafters, hips, valleys, and ridge boards to bearing walls or beams only.

6 California framing shall be 2x6 rafters and 2x8 ridges and hips unless otherwise noted. Brace California framing to typical framing below at 48" o/c maximum. Typical roof framing and plywood sheathing shall be continuous below California framed areas. Use 2x plate under all California framed rafters.

7 Rafters shall be nailed to adjacent ceiling joists to form a continuous tie between exterior walls when such joists are parallel to the rafters. Where not parallel, rafters shall be tied to 1x4 (nominal size) minimum cross ties. Rafter ties shall be spaced not more than four (4) feet on center. Nail cross ties or ceiling joists per "9/S1" unless otherwise noted.

8 Ceiling joists shall be sized and spaced per "18/S1" unless otherwise noted on plans.

TRUSS NOTES

NOTE: PROVIDE TRUSS CALCULATIONS AND LAYOUT TO BUILDING OFFICIAL PRIOR TO INSTALLATION OF TRUSSES. TRUSS DOCUMENTATION SHALL INCLUDE:

1. SLOPE OR DEPTH, SPAN AND SPACING
2. LOCATION OF ALL JOINTS
3. REQUIRED BEARING WIDTHS
4. DESIGN LOADS FOR TOP & BOTTOM CHORD LIVE & DEAD LOADS AND CONCENTRATED LOADS AND THEIR POINTS OF APPLICATION
5. ADJUSTMENTS TO LUMBER AND JOINT CONNECTOR DESIGN VALUES FOR CONDITIONS OF USE
6. EACH REACTION FORCE AND DIRECTION
7. JOINT CONNECTOR TYPE AND DESCRIPTION (SUCH AS SIZE, THICKNESS OR GAGE) AND THE DIMENSIONAL LOCATION OF EACH JOINT CONNECTOR EXCEPT WHERE SYMMETRICALLY LOCATED RELATIVE TO THE JOINT INTERFACE
8. LUMBER SIZE, SPECIES, AND GRADE FOR EACH MEMBER
9. CONNECTION REQUIREMENTS FOR:
   A. TRUSS TO GIRDER TRUSS
   B. TRUSS PLY TO PLY
   C. FIELD SPLICES
10. CALCULATED DEFLECTION RATIO AND/OR MAXIMUM DESCRIPTION FOR LIVE AND TOTAL LOAD
11. MAXIMUM AXIAL COMPRESSION FORCES IN THE TRUSS MEMBERS TO ENABLE THE BUILDING DESIGNER TO DESIGN THE SIZE, CONNECTIONS AND ANCHORAGE OF THE PERMANENT CONTINUOUS LATERAL BRACING. FORCES SHALL BE SHOWN ON THE TRUSS DESIGN DRAWING OR SUPPLEMENTAL DOCUMENTS
12. REQUIRED PERMANENT TRUSS MEMBER BRACING LOCATION.
13. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED TRUSS SPANS AND REQUIRED CEILING AND ROOF LINES
14. MFD ROOF TRUSS DESIGN LOADS:
    A. TOP CHORD: 9 PSF DEAD LOAD FOR COMPOSITION ROOFING AND 15 PSF DEAD FOR TILE ROOFS, LIVE LOAD OF 20 PSF
    B. BOTTOM CHORD: 5 PSF DEAD LOAD, 10 PSF LIVE LOAD
15. THE POSITIONS, WEIGHTS, & METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECTRICAL FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MANUFACTURER AND SHALL BE VERIFIED WITH THE DESIGNER. ADDITIONAL TRUSSES OR SPECIAL DESIGNED TRUSSES MAY BE REQUIRED.
16. SUPERIMPOSED LOADS FROM ARCHITECTURAL FINISHES OR OTHER SECONDARY FRAMING (SUCH AS CALIFORNIA FRAMING, FURRED CEILINGS, SOFFITS, ETC.) SHALL BE INCLUDED IN THE DESIGN OF SUPPORTING TRUSSES.
17. TRUSS MANUFACTURER SHALL INCLUDE DEFLECTION CALCULATIONS WITH THE SHOP DRAWING SUBMITTALS.
18. TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGN AND DETAILING OF ALL TRUSS TO TRUSS AND BEAM TO BEAM CONNECTIONS.
19. MANUFACTURED TRUSS DOCUMENTS SHALL BE SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL (AND ENGINEER OR ARCHITECT) PRIOR TO THE FABRICATION AND ERECTION OF THE TRUSSES.

REVISIONS	BY

FILE : 0010OS1

STUDIO 202
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PHONE/FAX 707-769-0555

PROPOSED SHED REPLACEMENT AT
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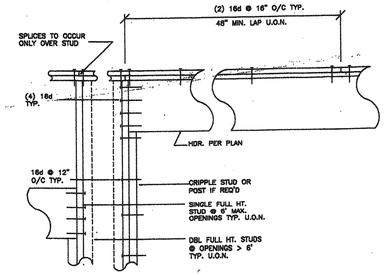
APN 009-252-022

LICENSED ARCHITECT
BRENT I. RUSSELL
C-28345
09/21
RENEWAL DATE
STATE OF CALIFORNIA

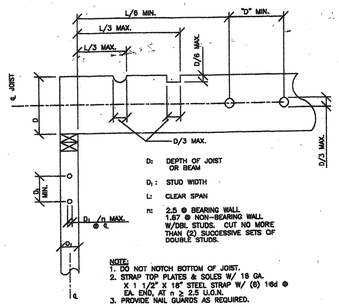
Date :
Scale : NOTED
Drawn :
Job : 00100
Sheet
SN

RUSSELL

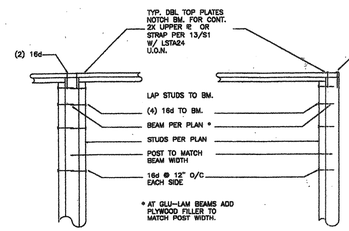


1 HEADER IN STUD WALL

SCALE: 1"=1'-0" TYP. U.O.N.



2 HOLES AND NOTCHES IN SOLID SAWN WOOD MEMBERS U.O.N.



3 TYPICAL BEAM IN STUD WALL

SHEARWALL / BRACED WALL SCHEDULE				
S.W.	SHEATHING	EDGE NAILING	ANCHORAGE	REMARKS
1	3/8" APA RATED PLY OR OSB 24/0 EXP 1	8d @ 4" o.c.	5/8" ø 12" ANCHOR BOLTS @ 49" o.c. MAX 3" MIN PER WALL	USE 3" SQUARE x .229 THICK WASHERS @ A.B.

SEE SHEARWALL/BRACED WALL NOTES 1-10

SHEARWALL/BRACED WALL SCHEDULE NOTES

1. SHEATHING SHALL BE APA RATED, EXPOSURE 1 OR EXTERIOR GRADE.
2. SHEAR WALL NAILS SHALL BE COMMONS OR HOT-DIPPED GALVANIZED BOX (INCLUDING INTERIOR WALLS) SEE CARPENTRY NOTES 6 AND 7 ON SHEET SN.
3. BLOCK AND NAIL ALL SHEATHING EDGES.
4. FIELD NAILING TO BE 12" O.C. U.O.N.
5. EXTERIOR WALLS NOT REFERENCED TO SHEAR WALL SCHEDULE ARE TO BE BRACED PER 1
6. WALL FRAMING TO BE 16" O/C MAXIMUM.
7. EDGE NAIL WALL PLY TO STUDS OR POST W/ HOLDOWNS.
8. SEE DETAIL 12/S1 FOR TYPICAL SHEAR WALL CONSTRUCTION.
9. ALL SHEATHING SHALL BE SPLICED AT CENTERLINE OF FRAMING OR BLOCKING (SEE 5/S1, 6/S1 & 7/S1).
10. OPENINGS IN SHEAR WALL ARE NOT ALLOWED UNLESS SPECIFICALLY DETAILED.

ADDITIONAL NOTES: (N/A UNLESS NOTED IN SCHEDULE

A. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3 INCH NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED. SEE 10/S1.

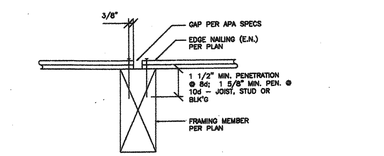
B. EDGE NAIL PANEL JOINTS THRU THICK PORTION OF PANEL PER 6B/S1.

C. NAILING APPLIES TO ALL STUDS, TOP AND BOTTOM PLATES. USE 8d NAILS @ 5/8" GYP. BD. HORIZONTAL JOINTS OF WALLS WITH A HEIGHT LESS THAN 1 1/2 TIMES THE WIDTH MAY BE UNBLOCKED.

D. FRAMING AT ADJOINING PANEL EDGES SHALL BE 4 INCH NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED. SEE DETAIL 10/S1".

E. MUDSILL SHALL BE 3 INCH NOMINAL OR WIDER AND NAILS INTO MUDSILL SHALL BE STAGGERED.

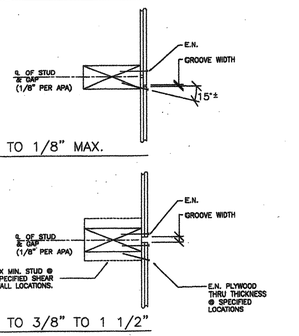
4 SHEARWALL/BRACED WALL SCHEDULE



NOTE:
PLYWOOD SHEETS ARE TO BE AS LARGE AS POSSIBLE. MIN. OF 12" X 24" W/ JOINTS CENTERED OVER BEARING. NAIL HEADS SHALL BE DRIVEN FLUSH W/ TOP LAMINATION OF PLYWOOD.

5 TYPICAL PLYWOOD SPLICE

SCALE: 2"=1'-0"

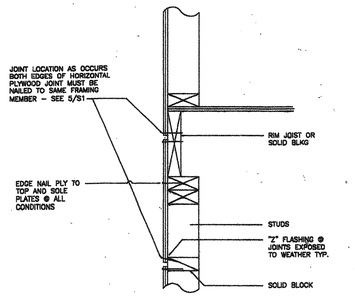


A GROOVES TO 1/8" MAX.

B GROOVES TO 3/8" TO 1 1/2"

6 303 PLYWOOD SIDING JOINTS

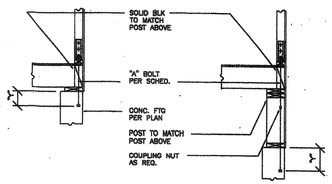
SCALE: 3"=1'-0"

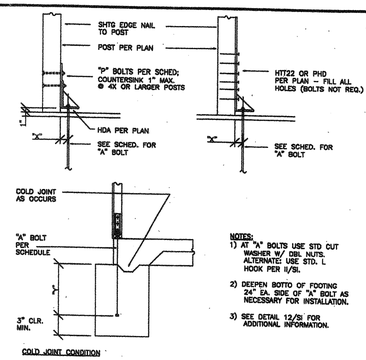


7 HORIZONTAL PLYWOOD JOINTS

SCALE: 1 1/2"=1'-0"

HOLDOWN	"P" BOLTS	"A" BOLTS	"X"	"Y"
HDU 2	6-1/4" X 2 1/2" SDS SCREWS	5/8" DIA.	1 5/16"	15"
HDU 4	10- 1/4" X 2 1/2" SDS SCREWS	5/8" DIA.	1 5/16"	15"
HDU 5	14 - 1/4" X 2 1/2" SDS SCREWS	5/8" DIA.	1 5/16"	15"
HDU 8	20 - 1/4" X 2 1/2" SDS SCREWS	7/8" DIA.	1 3/8"	18"
HDU 11	20 - 1/4" X 2 1/2" SDS SCREWS	1" DIA.	1 3/8"	18"
HDU 14	36 - 1/4" X 2 1/2" SDS SCREWS	1" DIA.	1 9 /16"	21"
HTT 4	18 SD # 10X 1 1/2" SCREWS	5/8" DIA.	1 5/16"	15"
DTT 1Z	6 SD # 9 X 1 1/2" SCREWS	3/8" DIA.	3/4"	6"
DTT 2Z	8 - 1/4" X 1 1/2" SDS SCREWS	1/2" DIA.	13/16"	10"



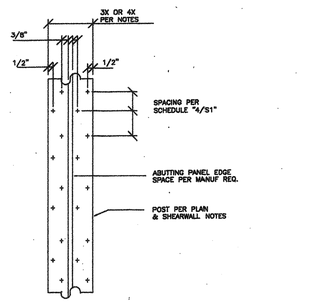


8 HOLDOWN SCHEDULE

CONNECTION	NAILING *
JOIST TO SILL OR GIRDER, TOENAIL	3-8d
RIM JOIST TO PLATE	16d T.N. @ 16" o.c.
BLKG TO PLATE OR BEAM	(2) 16d T.N.
BRIDGING TO JOIST, TOENAIL EACH END	2-8d
1" X 8" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d
WIDER THAN 1" X 8" SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
2" SUBFLOOR TO JOIST TO GIRDER, BLIND AND FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d at 16" o.c.
SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANELS	3-16d at 16" o.c.
TOP PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE	4-8d, toenail or 2-16d, end nail
DOUBLE STUDS, FACE NAIL	(2) 16d at 24" o.c.
DOUBLED TOP PLATES, FACE NAIL	(2) 16d at 16" o.c.
DOUBLE TOP PLATES, LAP SPLICE	8-16d
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, T.N.	3-8d
RIM JOIST TO TOP PLATE, T.N.	8d @ 6" o.c.
TOP PLATES, LAP AND INTERSECTIONS, FACE NAIL	2-16d
CONTINUOUS HEADER, TWO PIECES	16d at 16" o.c. along each edge
CEILING JOISTS TO PLATE, TOENAIL	3-8d
CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
RAFTER OR TRUSS TO PLATE, TOENAIL	3-8d
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
1" X 6" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d
WIDER THAN 1" X 6" SHEATHING TO EACH BEARING, FACE NAIL	3-8d
BUILT-UP CORNER STUDS	16d at 24" o.c.
BUILT-UP GIRDER BEAMS	20d @ 32" o.c. @ TOP & BOTTOM & STOGGERED, (2) 20d AT ENDS AND AT EA SPLICE

* SEE CARPENTRY NOTE 6 ON SHEET SN

9 NAILING SCHEDULE U.O.N.



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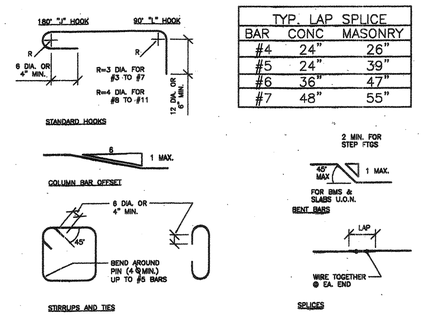
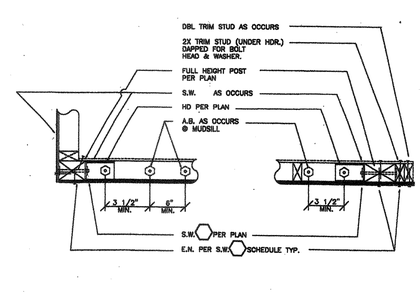


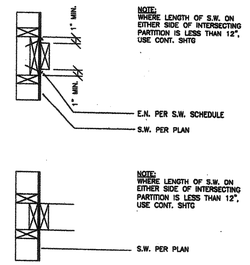
TYP. LAP SPLICE		
BAR	CONC	MASONRY
#4	24"	26"
#5	24"	39"
#6	36"	47"
#7	48"	55"

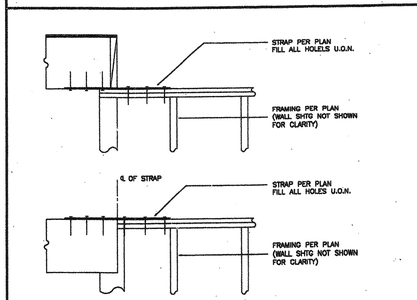
11 REINFORCING STEEL DATA



12 SHEAR WALL - PLAN VIEWS

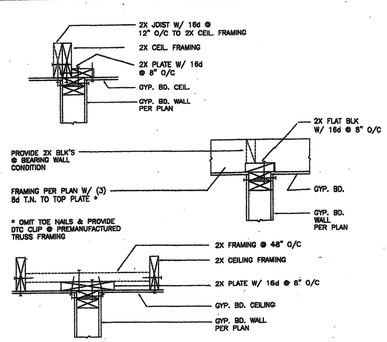
SCALE: 1"=1'-0"





13 STRAP DETAILS - AS APPLICABLE

SCALE: 1"=1'-0"



14 SELECT DETAIL AS APPLICABLE

SCALE: 1"=1'-0"

HEADER SCHEDULE TYPICAL UNLESS OTHERWISE NOTED		
MAXIMUM OPENING SIZE	BEARING	NON-BEARING
4"-0"	4X6 OR 6X6	4X4 OR 4X6 FLAT
5'-0"	4X8 OR 6X8	4X6 OR 6X6
6'-0"	4X10 OR 6X8	4X6 OR 6X6
8'-0"	4X12 OR 6X10	4X8 OR 6X8

15 HEADER SCHEDULE U.O.N.

CEILING JOIST SCHEDULE TYPICAL UNLESS OTHERWISE NOTED			
SIZE (DF. NO.2)	O.C. SPACING (INCHES)	MAX. SPAN(ft.) GYP/PLY	MAX SPAN (ft) STUCCO
2x4	16	10	8
	24	8	6
2x6	16	15	13
	24	13	11
2x8	16	20	17
	24	18	15
2x10	16	24	20
	24	22	18

16 CEILING JOIST SCHEDULE U.O.N.

WALL STUD SCHEDULE TYPICAL UNLESS OTHERWISE NOTED			
MAXIMUM STUD HEIGHTS			
STUD SIZE	SPACING	BEARING	NON-BEARING
2X4	16" O/C	10'-0"	14'-0"
	24" O/C	-----	12'-0"
2X6	16" O/C	14'-0"	20'-0"
	24" O/C	10'-0"	17'-0"

17 TYPICAL STUD SCHEDULE U.O.N.

REVISIONS	BY

FILE : 0010DS1

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PROPOSED SHED REPLACEMENT AT
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APN 009-252-022

LICENSED ARCHITECT BRENT I. RUSSELL C-26343 RENEWAL DATE 08/31/2014 STATE OF CALIFORNIA

Date :

Scale : NOTED

Drawn :

Job : 0010D

Sheet S1

RUSSELL