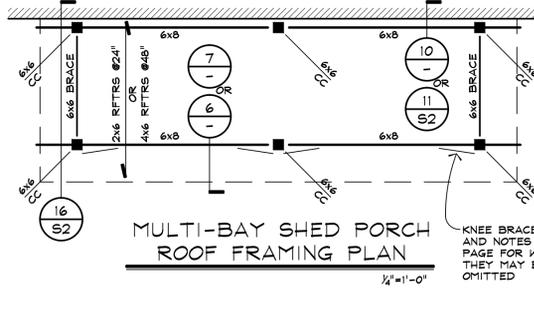
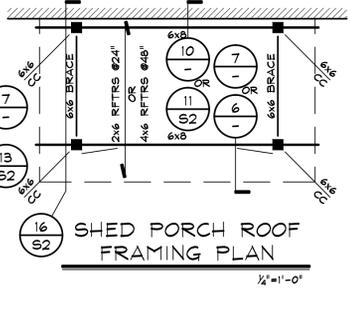
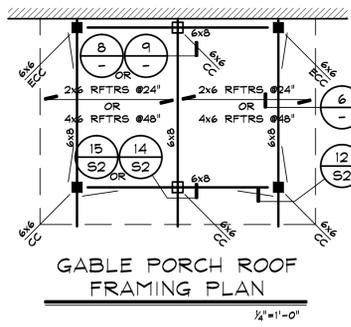
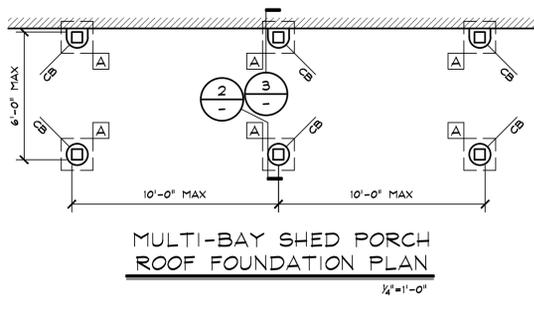
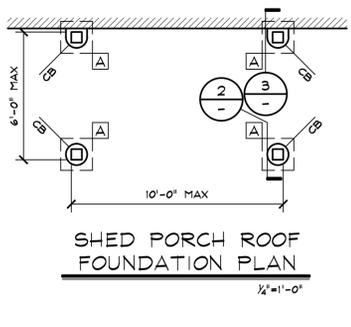
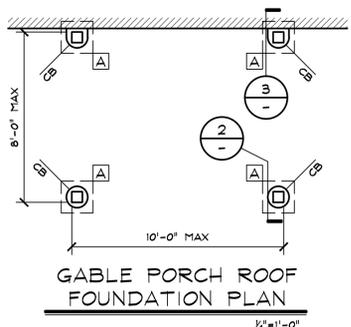
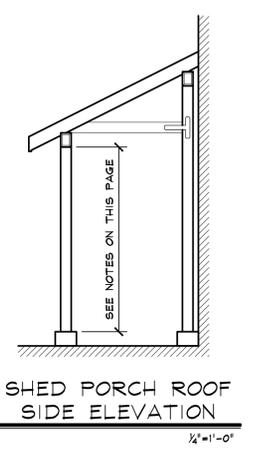
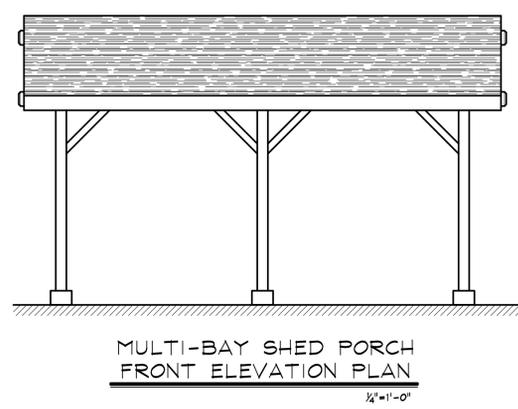
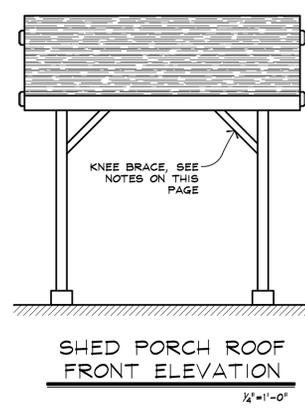
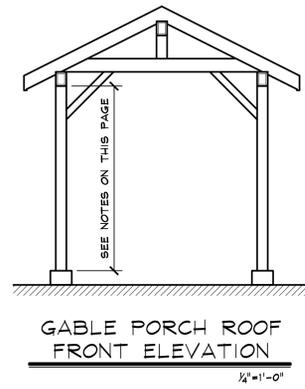
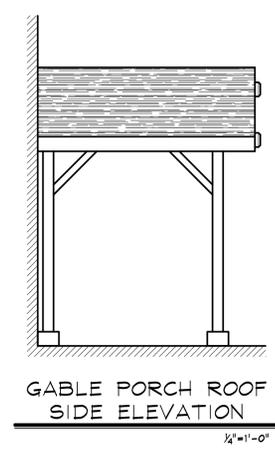


PLANS SHOW CB AND CC HARDWARE, BUT DETAILS GIVE ALTERNATIVE USING PINNED CONNECTIONS. ALSO, OTHER SIMPSON HARDWARE MAY BE SUBSTITUTED. PB AND CBSQ MAY BE SUBSTITUTED FOR CB'S, AND PC AND CCG MAY BE SUBSTITUTED FOR CC'S

AT 2x RFTRS: 3/4" (40/20) A.P.A. RATED SHEATHING, EXTERIOR PLY, 10d NAILS @6" B.N., 6" E.N., 12" F.N., SEE S2
 AT 4x RFTRS: 3/4" (24/10) A.P.A. RATED SHEATHING, EXTERIOR PLY, 8d SHORTS @6" B.N., 6" E.N., 12" E.W. F.N., OVER 2x6 TRG DKG, 2-16d/BOAR/BRNG, SEE S2

SCHEDULE
ISOLATED AND WIDENED FOOTINGS

MARK	FOOTING DIMENSIONS	REINFORCING STEEL	PEDESTAL @ ISOLATED FTGS	ALLOW. LOAD @2000 PSF BRNG
A	18" SQ x 12" THK	2-#4 S.E.E.W.	12" SQ	3.9k



MONO COUNTY PROVIDES THESE PLANS TO THE PUBLIC AS A COURTESY AND WITHOUT ANY WARRANTIES, EXPRESS OR IMPLIED, REGARDING THEIR FITNESS FOR ANY PARTICULAR APPLICATION. AMONG OTHER THINGS, MONO COUNTY DOES NOT REPRESENT OR WARRANT THAT THE DESIGNS WITHIN SAID PLANS ARE FREE FROM FLAWS OR DEFECTS. ANYONE UTILIZING THESE PLANS DOES SO AT THEIR OWN RISK AND WAIVES ANY CLAIMS AGAINST MONO COUNTY ARISING FROM SUCH USE.

REVISIONS	BY

STANDARD STRUCTURAL REQUIREMENTS
PORCH ROOFS WITH 40 PSF SNOW LOAD
MONO COUNTY, CALIFORNIA

COUNTY OF MONO
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION
P.O. BOX 3569
MAMMOTH, CA 93546
(760) 924-1800, FAX: 924-1801



DATE: 9-17-12
SCALE: 3/4"=1'-0"
DRAWN: TMS
JOB: 12-008C
SHEET: 51
OF 3 SHEETS

DEFINITION OF A PORCH ROOF
A PORCH ROOF IS A SMALL STRUCTURE THAT COVERS AN ENTRY OR OTHER SMALL AREA NEEDING PROTECTION. ONE SIDE IS AGAINST AN EXISTING BUILDING AND THE OTHER THREE SIDES ARE OPEN.

FLOOR OF THE PORCH
A 4" SLAB ON GRADE MAY BE USED AS THE FLOOR OF THE PORCH. IT SHOULD BE REINFORCED WITH #3@24" S.E.E.W. IF THE DESIRE IF FOR A RAISED PORCH/ENTRY, STILL OF CONCRETE, WITH STAIRS, SEE DETAIL 4/S1 AND 5/S1 FOR STAIRS AND PROTECTION OF CONCRETE IN CONTACT WITH EXISTING FRAMING. IF A DECK IS DESIRED, THAT IS BEYOND THE SCOPE OF THESE PLANS. HOWEVER, MONO COUNTY BUILDING DIVISION HAS PRESCRIPTIVE DESIGNS FOR DECKS THAT CAN BE COMBINED WITH THIS PORCH ROOF DESIGN.

HEIGHT OF POSTS
MAXIMUM HEIGHT OF SUPPORT POSTS (OR LOW POSTS IN THE CASE OF THE SHED PORCH ROOFS) IS 10' AS DRAWN. HOWEVER, IF THERE IS A DECK, AND THE DECK IS TIED IN (NAILING OR SCREWING A DECK JOIST TO A POST IS SUFFICIENT) TO THE POST, THEN THE POST MAY HAVE A MAXIMUM HEIGHT OF 14', BUT THE MAXIMUM UNRESTRAINED HEIGHT OF THE POST (FROM THE DECK TO THE BEAM) IS STILL 10'.

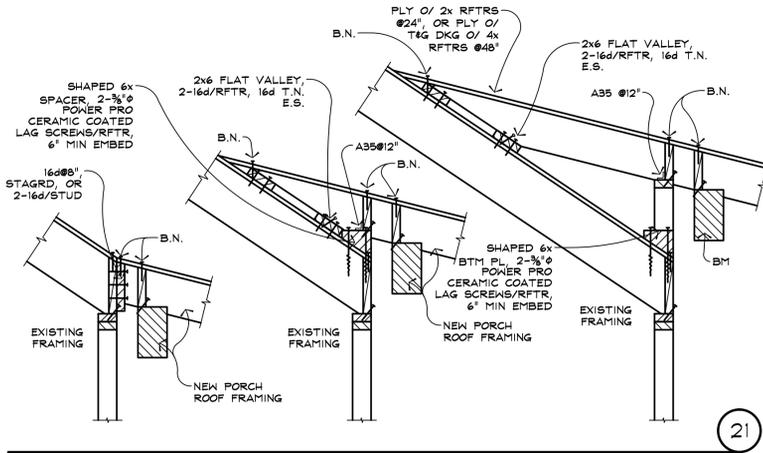
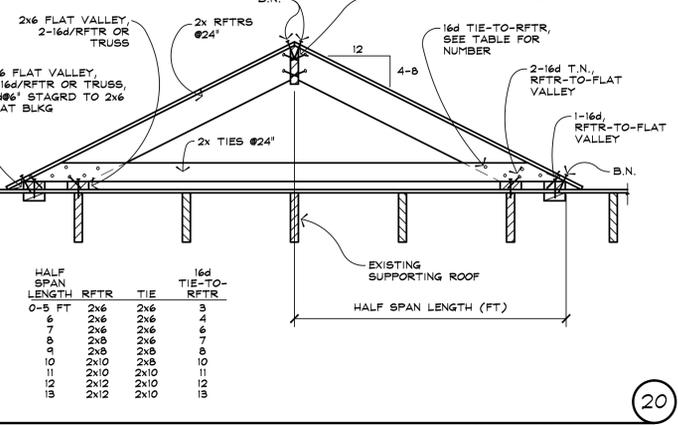
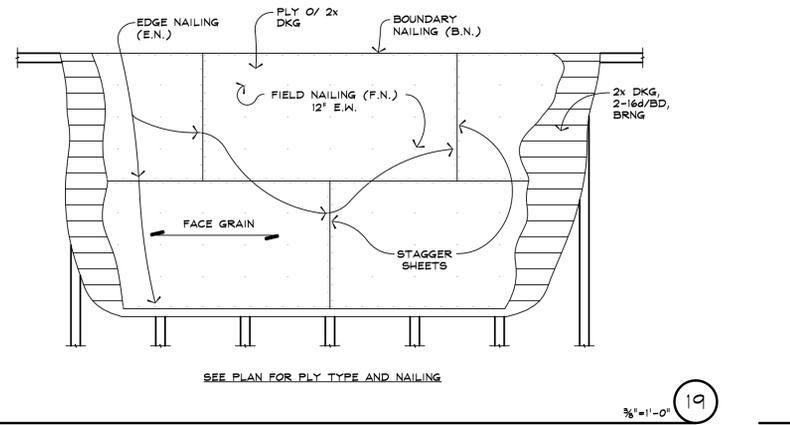
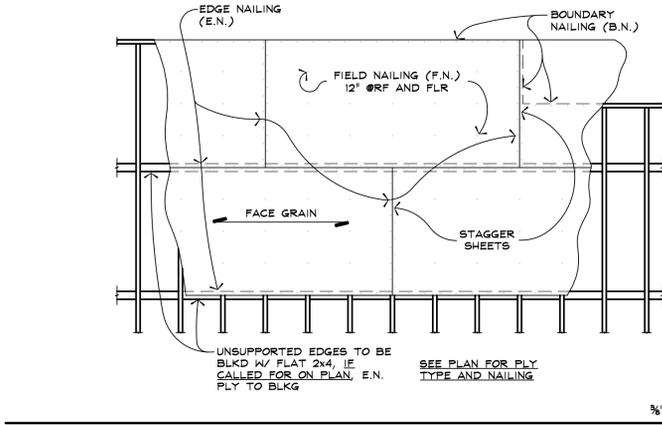
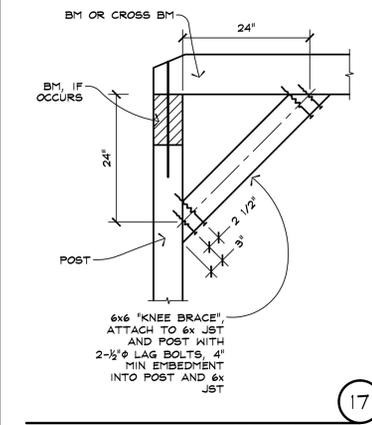
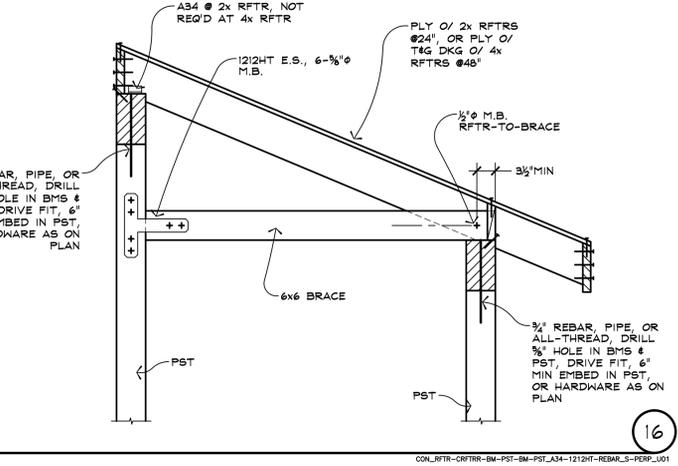
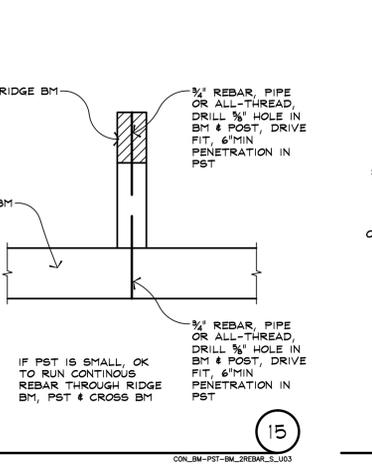
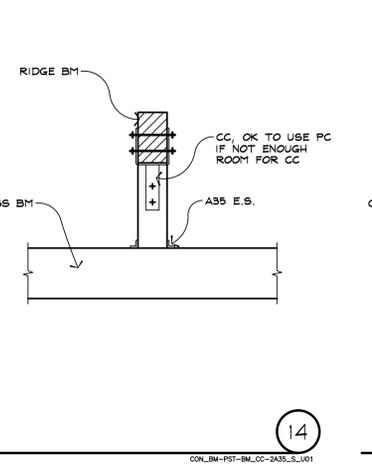
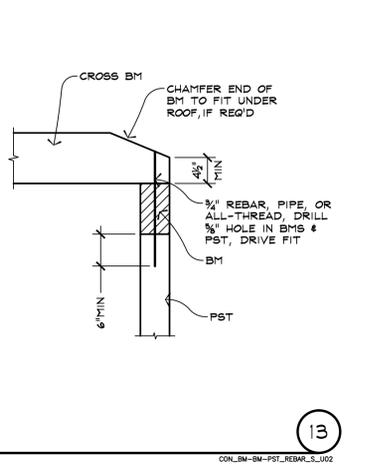
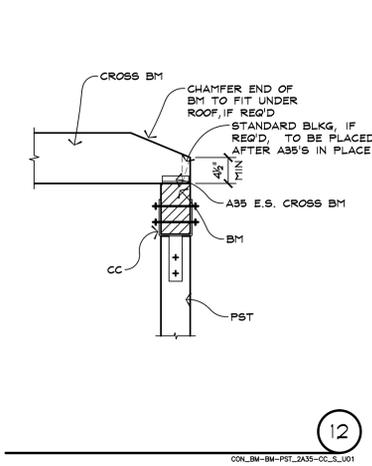
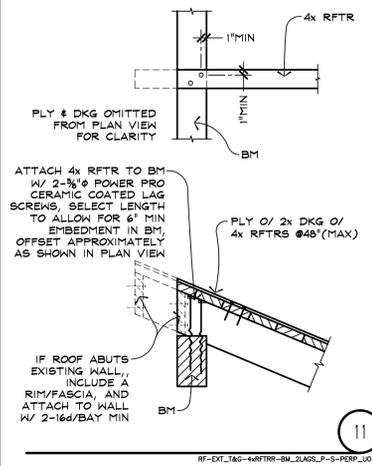
KNEE BRACING
THE KNEE BRACING IS INCLUDED TO PROVIDE LATERAL SUPPORT TO THESE MINOR STRUCTURES AND ELIMINATE OR MITIGATE ANY LATERAL LOADING THIS STRUCTURE MIGHT IMPOSE ON AN EXISTING STRUCTURE. IF THE OWNER DOES ONE OF TWO THINGS, THE KNEE BRACES MAY BE ELIMINATED. IF THE OWNER HIRES A LICENSED PROFESSIONAL (AND ENGINEER OR ARCHITECT) TO VERIFY THAT THE EXISTING STRUCTURE HAS ADEQUATE RESISTANCE TO ANY LOADS IMPOSED BY THE NEW ENTRY PORCH. ALTERNATIVELY, IF THE OWNER HAS ACCESS TO EXISTING PLANS THAT DEMONSTRATE THAT THE EXISTING STRUCTURE WAS DESIGNED TO CURRENT CODES FOR SEISMIC RESISTANCE (AS FAR AS LOADING), THEN KNEE BRACES CAN BE ELIMINATED. GENERALLY ANY STRUCTURE PROPERLY DESIGNED FOR THE 1994 U.B.C. OR LATER VERSIONS OF THE U.B.C., C.B.C., OR I.B.C. WILL HAVE ADEQUATE LATERAL RESISTANCE. NOTE TO THAT THIS MUST BE A SYSTEM CONSISTING OF STRUCTURAL SHEAR PANELS IN THE LINE TO WHICH THE PORCH ROOF IS BEING ADDED. OTHER SYSTEMS (MOMENT FRAMES, HARDY FRAMES, SIMPSON STRONG WALLS, OR SIMILAR) MUST BE LOOKED AT BY AND LICENSED PROFESSIONAL OR KNEE BRACES ARE REQUIRED.

STRUCTURAL NOTES
PROJECT SHALL COMPLY WITH THE 2010 CALIFORNIA CODES, WHICH ARE BASED UPON THE 2009 INTERNATIONAL BUILDING CODE, THE 2009 INTERNATIONAL RESIDENTIAL CODE, THE 2009 UNIFORM MECHANICAL CODE, THE 2008 NATIONAL ELECTRICAL CODE, AND THE 2008 TITLE 24 ENERGY STANDARDS. SOIL BEARING ALLOWABLE ASSUMED TO BE 2000 PSF. ALL EXTERIOR FOOTINGS SHALL HAVE 18" MIN EMBEEDMENT. ALL FOOTINGS SHALL ALSO BE EMBEDED DEEP ENOUGH THAT A 5' MIN HORIZONTAL DISTANCE TO DAYLIGHT IS ATTAINED. SEE 1.

WHERE SOLID-FILLED POSTS ARE CALLED OUT, THE SOLID FILL REPRESENTS A POST BELOW.
WHERE OPEN NON-FILLED POSTS ARE CALLED OUT, THE OPEN POST REPRESENTS A POST ABOVE.

PB, CC, ETC ARE SIMPSON STRONG-TIE HARDWARE. REFER TO SIMPSON CATALOG C-2011 FOR INSTALLATION INFORMATION. USE EXACT TYPE, SIZE, AND NUMBER OF FASTENERS SPECIFIED IN CATALOG.

DETAILS ON ACCOMPANYING DETAIL SHEETS ARE DRAWN TO THE SCALE NOTED IN THE TITLE BLOCK OF THE SHEET USING. HOWEVER, THE SIZE OF EACH CALLED ELEMENT SHOWN ON THE DETAILS DOES NOT NECESSARILY REPRESENT THE SIZE OF THE MEMBERS CALLED OUT ON THE PLAN, OR EXISTING IN THE STRUCTURE.



REVISIONS	BY

STANDARD STRUCTURAL REQUIREMENTS
PORCH ROOFS WITH 40 PSF SNOW LOADS
MONO COUNTY, CALIFORNIA

COUNTY OF MONO
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION
P.O. BOX 3869
MAMMOTH LAKE, CA 93546
(760) 924-1800, FAX: 924-1801



DATE 9-17-12
SCALE 3/4"=1'-0"
DRAWN TMS
JOB 12-008C
SHEET
OF 3 SHEETS

SPECIFICATIONS AND GENERAL CONSTRUCTION NOTES

GENERAL REQUIREMENTS:

1. CODES AND REFERENCES

- A. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE 2010 CALIFORNIA BUILDING CODE (C.B.C.) BASED UPON THE 2009 INTERNATIONAL BUILDING CODE (I.B.C.)
B. A THOROUGH PLANCHECK SHALL BE MADE BY A QUALIFIED REPRESENTATIVE OF THE BUILDING DEPARTMENT PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. CORRECTIONS, IS ANY, SHALL BE MADE ONLY BY THE ARCHITECT OR HIS REPRESENTATIVE.
C. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION, AND/OR ADDENDUM. THESE STANDARDS WILL BE REFERRED TO IN ABBREVIATED FROM AS LISTED BELOW:

Table listing abbreviations for various organizations: ACI AMERICAN CONCRETE INSTITUTE, AFPA AMERICAN FOREST AND PAPER ASSOCIATION, AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, etc.

- D. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK. SPECIAL CARE SHALL BE GIVEN SITE AND BUILDING LAYOUT THEREUPON.
E. TYPICAL DETAILS AND NOTES SHALL APPLY UNLESS SHOWN OTHERWISE ON THE PLANS.

2. SPECIAL INSPECTION

WHERE "SPECIAL INSPECTION" IS REQUIRED ON THE PLANS, A REGISTERED DEPUTY INSPECTOR APPROVED BY, AND RESPONSIBLE TO, THE ARCHITECT AND THE BUILDING DEPARTMENT, SHALL BE EMPLOYED BY THE OWNER. SPECIAL INSPECTION IS REQUIRED FOR:

- A. PLACING OF ALL CONCRETE WITH AND 1'c IN EXCESS OF 2500 PSI.
B. ALL FIELD WELDING, OR WELDING PERFORMED IN AN UNLICENSED FABRICATING SHOP.
C. ALL CERTIFIED COMPACTED FILL.
D. SUCH OTHER ITEMS AS MAY BE REQUIRED BY CHAPTER 17 OF THE C.B.C. OR BY THE ARCHITECT.

3. TEMPORARY BRACING

THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF. CONCRETE OR MASONRY WALLS ARE NOTED IN PARTICULAR.

4. SHOP (OR FABRICATION) DRAWINGS, DESIGNS

- A. AS A CONVENIENCE TO THE CONTRACTOR, ARCHITECT SHALL REVIEW REQUIRED SHOP DRAWINGS AS TO THEIR GENERAL CONFORMANCE TO THE DESIGN CONCEPT. CONTRACTOR SHALL BE RESPONSIBLE, NONETHELESS, FOR COMPLIANCE AND DIMENSIONS AND SHALL SUBMIT SHOP DRAWINGS, IF APPLICABLE, FOR THE FOLLOWING: (REBAR PLACING DRAWINGS NOT REQUIRED)
1. GLULAM BEAMS AND PANELIZED ROOF FRAMING.
2. STRUCTURAL STEEL AND TAPERED STEEL GIRDERS.
3. ERECTION BRACING AND SEQUENCE.
4. PRECAST CONCRETE ELEMENTS, INCLUDING PICKUP POINTS, STRONG BACKS AND BRACING, ALL CERTIFIED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
5. CONCRETE POURING SEQUENCE, SHORING DETAILS AND SPECIAL CONSTRUCTION TECHNIQUES (ARCHITECT OR CIVIL OR STRUCTURAL ENGINEER'S CERTIFICATION MAY BE REQUIRED).
6. SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND COMPLIANCE CERTIFICATES TO THE BUILDING DEPARTMENT WHEN REVIEWED.

- B. WHERE DESIGN AND DETAILS OF PLATE GIRDERS, TRUSSES, etc. ARE TO BE PROVIDED BY FABRICATOR, CONTRACTOR SHALL SUBMIT CALCULATIONS AND DRAWINGS PREPARED AND CERTIFIED BY AN ARCHITECT, OR A CIVIL OR STRUCTURAL ENGINEER TO THE ARCHITECT AND TO THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.
5. OPTIONS AND SUBSTITUTIONS
A. OPTIONS, IF PROVIDED HEREIN, ARE BOTH FOR CONTRACTOR'S CONVENIENCE AND THE OWNER'S ADVANTAGE. "SUBSTITUTIONS," IF SUGGESTED BY THE CONTRACTOR, MUST BE APPROVED BY BOTH THE ARCHITECT AND THE OWNER AND SHALL NOT DIMINISH THE DEGREE OF QUALITY INTENDED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
B. COSTS OF ADDITIONAL ARCHITECT'S DESIGN OR DETAIL WORK NECESSITATED BY SELECTION OF AN OPTION, AS A RESULT OF A SUBSTITUTION, OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

6. PROTECTION BY CONTRACTOR

- A. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS AND PROTECT THEM FROM DAMAGE.
B. HE SHALL COMPLY WITH ALL LAWS AND REGULATIONS REGARDING PROTECTION OF THE PUBLIC AND THE WORKMEN DURING CONSTRUCTION.
C. HE SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT RELATIVE TO THE PROSECUTION OF THIS WORK.

FOUNDATION (C.B.C. CHAPTER 18):

- 1. SEE FOUNDATION PLAN FOR COMPLETE DATA: DESIGN SOIL PRESSURE, FOUNDATION DEPTH etc., AND REFERENCE TO "SOIL REPORT." WHERE "SOIL REPORT" IS CITED, IT SHALL BE A PART OF THESE PLANS AND ALL OF ITS REQUIREMENTS AND RECOMMENDATIONS SHALL BE PERFORMED BY THE CONTRACTOR WHO SHALL OBTAIN A COPY OF SAID REPORT. IN ABSENCE OF SOIL REPORT AND INSPECTION BY SOIL ENGINEER, CONTRACTOR SHALL NOTIFY ARCHITECT IF HE ENCOUNTERS ANY UNUSUAL SOIL CONDITIONS (SOFT OR UNSTABLE SOIL, WET SOIL, etc).
2. SLABS ON GRADE: PROVIDE CONSTRUCTION OR CRACK-CONTROL JOINTS SPACED NO FARTHER THAN 15' APART. SLAB AREAS PLACED SHALL NOT EXCEED 225 SQUARE FEET.

CONCRETE AND EMBEDDED ITEMS (C.B.C. CHAPTER 19):

- 1. ALL CONCRETE SHALL BE MIXED, FORMED AND PLACED ACCORDING TO THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-08.
2. CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. USE 6 SACKS OF CEMENT (MINIMUM) PER YARD OF CONCRETE FOR WEATHER DURABILITY. EXCEPTIONS SHALL BE NOTED HEREIN OR ON PLANS.
3. CEMENT FOR CONCRETE SHALL BE A STANDARD BRAND "PORTLAND CEMENT," MEETING THE REQUIREMENTS OF ASTM C150, TYPE I OR II, LOW ALKALI.
4. AGGREGATES FOR CONCRETE SHALL MEET THE REQUIREMENTS OF ASTM C33.
5. CONCRETE SHALL BE MACHINE-MIXED USING A MAXIMUM OF 7 1/2 GALLONS OF WATER PER SACK OF CEMENT. READYMIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
6. CONTRACTOR MAY USE A WATER REDUCING ADMIXTURE CONFORMING TO ASTM C494, PROVIDED ARCHITECT IS NOTIFIED IN WRITING IN ADVANCE OF ITS USE.
7. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS EMBEDDED PIPES AND CONDUIT SHALL BE SECURELY FASTENED IN THE FORMS BEFORE CONCRETE IS POURED. ADEQUATE CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM OF THE CONCRETE FORMS FOR PROPER CLEANING AND INSPECTION.
8. SLABS POURED ON GRADE SHALL BE LEVEL (OR PLANAR) TO WITHIN 1/8" IN 8'-0" IN ANY DIRECTION EXCEPT AS NOTED OTHERWISE ON PLANS. WALLS SHALL BE SIMILARLY ACCURATE, AS SHALL OTHER SLABS SUPPORTED ON FORMS.
9. AT ALL OPENINGS IN CONCRETE PROVIDE TWO #4 BARS, UNLESS NOTED OTHERWISE, AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
10. MINIMUM EMBEDMENT OF ANCHOR BOLTS (A.B.) SHALL BE 7" IN HORIZONTAL CONCRETE SURFACES (FOOTINGS, etc) AND 4" INTO VERTICAL CONCRETE SURFACES (WALLS, etc). ALL BOLTS SHALL HAVE A 4" DIAMETER, 90° BEND AT EMBEDDED END. ANCHOR BOLTS SHALL BE SPACED 12 DIAMETERS, MINIMUM.
11. EXPANSION BOLTS, ITW RAMSET/RED HEAD, etc, MAY BE USED IN LIEU OF CAST-IN-PLACE BOLTS WHERE SPECIAL CONDITIONS WARRANT THEIR USE, PROVIDED WRITTEN APPROVAL OF THE ARCHITECT IS OBTAINED.
12. FOOTING DOWELS SHALL MATCH VERTICAL WALL STEEL. LAP 36 DIAMETERS, MINIMUM.
13. CEMENT GROUT AND DRY-PACK GROUT SHALL CONSIST OF 1 PART CEMENT TO 2 1/2 PARTS FINE AGGREGATE BY VOLUME. ADD SUFFICIENT WATER TO MAKE THE MIXTURE FLOW UNDER ITS OWN WEIGHT. FOR USE AS DRY-PACK CONCRETE (HAND-PLACED BELOW METAL OR WOOD PLATES) ADD WATER TO MAKE A STIFF MIXTURE WHICH CAN BE MOLDED INTO A SPHERE. GROUT SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
14. RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL 7 DAYS AFTER PLACEMENT OF CONCRETE.

REINFORCING STEEL (C.B.C. CHAPTER 19):

- 1. ALL REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF, AND BE PLACED IN ACCORDANCE WITH, THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-08.
2. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED U.N.O. (EXCEPT #2 TIES OR STIRRUPS) BARS CONFORMING TO ASTM A615, GRADE 40 TYPICALLY. LAP BARS A MINIMUM OF 30 DIAMETERS. WHERE GRADE 60 (HARD GRADE) IS REQUIRED ON PLANS, LAP 36 DIAMETERS. STAGGER LAPS WHERE PERMISSIBLE.
3. ALL WELDED REBAR TO BE GRADE A706.
4. WIRE MESH SHALL CONFORM TO ASTM A185. LAP 8" MINIMUM.
5. LOW HYDROGEN, E70 SERIES, WELDING RODS SHALL BE USED FOR ALL WELDING OF REINFORCING BARS COMPLYING WITH AWS D1.4.
6. PROVIDE DOWELS IN FOOTINGS AND/OR GRADE BEAMS THE SAME SIZE AND NUMBER AS VERTICAL WALL REINFORCING. PROJECT DOWELS EQUAL TO STANDARD LAP SPLICE AND WIRE TO VERTICAL STEEL.
7. #5 OR LARGER REBAR SHALL NOT BE RE-BENT WITHOUT APPROVAL.
8. MINIMUM CONCRETE COVER SHALL BE:
3" CONCRETE POURED AGAINST EARTH, BOTTOM AND SIDES.
2" FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH, INCLUDING STEEL IN TOP SURFACES OF FOOTINGS AND WALL SURFACES IN CONTACT WITH EARTH.
1 1/2" BEAMS, MEASURED TO MAIN STEEL; COLUMNS, MEASURED TO TIES OR SPIRALS; EXPOSED FACES OF WALLS ABOVE GRADE OR THEIR SURFACES NOT IN CONTACT WITH EARTH.
1" TOP SURFACES OF SLABS DIRECTLY EXPOSED TO THE ELEMENTS.
3/4" INTERIOR SLABS; INSIDE FACES OF WALLS.

WOOD CONSTRUCTION (C.B.C. CHAPTER 23):

- 1. STRUCTURAL LUMBER SHALL BE GRADE-MARKED DOUGLAS FIR-LARCH (DF-L) PER STANDARD GRADING RULES NO. 17, WCLIB, AND STANDARD GRADING RULES, WWPA.
JOISTS, BEAMS, PURLINS AND POSTS 4" AND WIDER GRADE NO. 1
JOISTS AND SUB-PURLINS 2" WIDE, 2x6 OR DEEPER STUDS, TOP PLATES, SILL PLATES AT BEARING WALLS, AND LEDGERS OF ALL WIDTHS NO. 2
2x4 AND 3x4 STUDS STUD
BLOCKING, NON-BEARING SILL PLATES AND MISC. NO. 3
2. COMMON NAILS SHALL BE USED. BOX NAILS, IF INCREASED IN NUMBER BY 33%, MAY ALSO BE USED.
3. SILLS OR PLATES BEARING ON CONCRETE OR MASONRY WHICH IS WITHIN 48" OF EARTH SHALL BE PRESSURE TREATED (P.T.). SILLS SHALL BE BOLTED TO THE FOUNDATION WITH 3/8" DIAMETER x 10" BOLTS AT 4'-0" O.C., 12" MIN, FROM ENDS, OR 2 BOLTS MIN PER PIECE, U.N.O.
4. FIREBLOCKING, 2" THICK, SHALL BE PLACED IN STUD WALLS AT CEILING AND FLOOR LEVELS, AT EACH 10' HEIGHT OF STUDS, AND BETWEEN STAIR STRINGERS AT SUPPORTS.
5. JOISTS AND RAFTERS SHALL BE BLOCKED AT SUPPORTS AND BRIDGED OR BLOCKED AT INTERVALS OF 8' WHERE JOISTS ARE 2x12'S OR DEEPER.
6. JOISTS UNDER BEARING PARTITIONS (ONE STORY ABOVE) SHALL BE DOUBLED; TRIPLD FOR TWO STORIES ABOVE.
7. PLYWOOD SHALL BE PER APA PS 1-07. PROVIDE A 1/8" SPACE BETWEEN ALL JOINTS.

- 8. LAGBOLTS (AND SCREWS) SHALL BE PRE-DRILLED 1/16" LESS THAN SHANK DIAMETER TO FULL DEPTH AND SCREWED (NOT DRIVEN) INTO PLACE.
9. CUT WASHERS SHALL BE PLACED UNDER HEADS AND NUTS OF ALL BOLTS AND UNDER HEADS OF LAGBOLTS. CUT WASHER SHALL BE USED FOR BOLTS CONNECTING WOOD LEDGERS TO CONCRETE OR MASONRY WALLS.
10. WHERE REQUIRED IN ALL CONDITIONS EXCEPT SILL PLATE ANCHOR BOLTS, MALLEABLE IRON (M.I.W.A.) OR PLATE (PL.W.A.) WASHERS SHALL BE SIZED AS FOLLOWS:
BOLT # M.I.W.A. PL.W.A.
1/2" 1/2"x2 1/2" # 3/4"x2" SQ
3/8" ETA/TS5, H4B/HIT, JB/LB, PF, LU, LUP, LTT/LTI, HA/H2/H2.5/H3/H4/H5, AB, EPB, LCB/CB, PA/PAL/PAT/PATM/PAR/PARP, MPAL, HPA, HPA28/35
3/4" 3/4"x3" 3/4"x2 3/4"
1/2" 1/2"x3 3/4" 1/2"x3"
1" 1/2"x3 3/4" 3/4"x3 1/2"
11. SEE NOTES BELOW SHEAR PANEL SCHEDULE FOR REQUIREMENTS FOR WASHERS AT SILL PLATE ANCHOR BOLTS.
12. ALL STRUCTURAL PLYWOOD NAILING (ROOF, FLOOR AND WALLS) SHALL BE INSPECTED BY THE BUILDING INSPECTOR PRIOR TO COVERING.
13. STUDS IN BEARING WALLS SHALL NOT BE NOTCHED UNLESS SPECIFICALLY DETAILED BY ARCHITECT.
14. FRAMING HARDWARE SHALL BE SIMPSON STRONG-TIE®. REFER TO SIMPSON CATALOG C-2011 FOR INSTALLATION INFORMATION. USE EXACT TYPE, SIZE AND NUMBER OF FASTENERS SPECIFIED IN CATALOG.
15. REFER TO THE FOLLOWING ICC REPORTS FOR SIMPSON CONNECTORS
ER4935- SSTB, HCA, MSTC
ER4945- EPOXY TIE ANCHORING SYSTEMS WITH ET, ETF, AND ETR ANCHORING ADHESIVES
ER5090- ANCHOR TIEDOWN SYSTEMS
ER5952- CBSQ-SDS2 AND CBQ-SDS2 COLUMN BASE CONNECTORS AND ECCQ/CCQ-SDS2 COLUMN CAP CONNECTORS
NER393- ETA/TS5, H4B/HIT, JB/LB, PF, LU, LUP, LTT/LTI, HA/H2/H2.5/H3/H4/H5, AB, EPB, LCB/CB, PA/PAL/PAT/PATM/PAR/PARP, MPAL, HPA, HPA28/35
NER432- ABE, CBA, EPB44T, H2.5, H10-2, H15, H15-2, HGT-2, HGT-3, HGT-4, LSSU, LTHMA, LTHJ, LTP4, LTT131, MSC, RSP4, SP, SS, THG2A, TWB
ESR-1056- TITEN HD
ESR-1267- STRONG-WALL SHEAR PANELS
ESR-1396- WEDGE-ALL ANCHORS
ESR-1472- QUICK DRIVE WSNLT WOOD SCREWS
ESR-1679- STEEL STRONG-WALL SHEAR PANELS
ESR-1771- STRONG-BOLT WEDGE ANCHOR
ESR-1772- SET EPOXY
ESR-1886- LRV, B, H4B, AND BA SERIES JOIST HANGERS
ESR-2105- TIE STRAPS
ESR-2138- POWDER-ACTUATED FASTENERS
ESR-2236- STRONG-DRIVE SDS SERIES WOOD SCREWS
ESR-2320- COUPLING TAKE-UP DEVICE (CTUD) AND TAKE-UP DEVICE (TUD AND ATUD)
ESR-2508- HOLD-DOWN CONNECTORS
ESR-2523- SET-XP EPOXY ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE
ESR-2549- FACE-MOUNT HANGERS FOR WOOD FRAMING
ESR-2551- ADJUSTABLE HANGERS AND HIP CONNECTORS FOR WOOD FRAMING
ESR-2552- FACE-MOUNT HANGERS SUPPORTING STRUCTURAL COMPOSITE LUMBER (SCL) AND PREFABRICATED WOOD I-JOISTS (ENGINEERED WOOD PRODUCTS).
ESR-2553- TOP-FLANGE HANGERS FOR SAWN LUMBER.
ESR-2554- MULTIPLE TRUSS HANGERS.
ESR-2555- MASA/MASAP CAST-IN-PLACE FOUNDATION ANCHOR STRAPS.
ESR-2604- COLLUM CAPS FOR WOOD CONSTRUCTION.
ESR-2605- CONNECTORS FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION.
ESR-2606- STRUCTURAL ANGLES, CLIPS, AND PLATES FOR WOOD FRAMING.
ESR-2607- CONNECTORS FOR PANELIZED ROOF CONSTRUCTION.
ESR-2608- STUD SHOES, PLATE TIES, WALL BRACING, AND JOIST BRIDGING FOR WOOD CONSTRUCTION.
ESR-2611- STUD SHOES, PLATE TIES, WALL BRACING, AND JOIST BRIDGING FOR WOOD CONSTRUCTION.
ESR-2613- SSTB SERIES AND SB SERIES CAST-IN-PLACE ANCHOR BOLTS.
ESR-2614- MISCELLANEOUS CONNECTORS.
ESR-2615- TOP-FLANGE HANGERS FOR ENGINEERED WOOD PRODUCTS (EWP).
ESR-2616- CONNECTORS FOR WOOD MEMBERS SUPPORTED BY CONCRETE OR MASONRY CONSTRUCTION.
ESR-2713- TITEN HD SCREW ANCHOR AND TITEN HD ROD HANGER FOR CRACKED AND UNCRACKED CONCRETE.
ESR-2811- GDB AND GDPS GAS-ACTUATED FASTENERS.
ESR-2877- WOOD FRAMING CONNECTORS FOR MASONRY CONSTRUCTION.
ESR-2920- CAST-IN-PLACE STRAP STYLE HOLDDOWNS (STHD'S)
ESR-2992- PUNCHING SHEAR RESISTOR RAILS (PSRR)
ESR-3006- QUIK DRIVE X SERIES SELF-DRILLING TAPPING SCREWS.
ESR-3037- STRONG-BOLT 2 WEDGE ANCHORS.
ESR-3046- STRONG-DRIVE SD SCREWS FOR STRUCTURAL CONNECTORS.
ESR-3096- CONNECTORS USING SD-SERIES SCREWS.

NAILING SCHEDULE, MINIMUM (TABLE 2304.9.1, 2010 C.B.C.):

- 1. JOIST TO SILL OR GIRDER, TOENAIL 3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END 2-8d
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL 2-8d
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL 3-8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL 2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL 16d AT 16" O.C.
7. SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS 3-16d PER 16"
8. TOP PLATE TO STUD END NAIL 2-16d
9. STUD TO SOLE PLATE 4-8d, TOENAIL OR 2-16d, END NAIL
10. DOUBLED STUDS, FACE NAIL 16d AT 24" O.C.
11. DOUBLED TOP PLATES, LAP SPLICE 16d AT 16" O.C.
12. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL 3-8d
13. RIM JOIST TO TOP PLATE, TOENAIL 8d AT 6" O.C.
14. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 2-16d
15. CONTINUOUS HEADER, TWO PIECES 16d AT 16" O.C. ALONG EACH EDGE
16. CEILING JOISTS TO PLATE, TOENAIL 3-8d
17. CONTINUOUS HEADER TO STUD, TOENAIL 4-8d
18. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL 3-16d
19. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL 3-16d
20. RAFTER TO PLATE, TOENAIL 3-8d
21. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL 2-8d
22. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL 3-8d
23. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL 3-8d
24. BUILT-UP CORNER STUDS 16d AT 24" O.C.
25. BUILT-UP GIRDER AND BEAMS 20d AT 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE 2-16d AT EACH BEARING
25. 2" PLANKS 3-8d

SUPPLEMENTAL NAILING NOTES:

- 1. ALL NAILS TO BE COMMON WIRE NAILS. WHERE BOX NAILS ARE USED, THERE NUMBER MUST BE INCREASED BY 33%.
2. WHERE 2" MEMBER IS DETAILED USE THE NUMBER OF 16d SHOWN:
FOR EXAMPLE:
MEANS 3-16d

ABBREVIATIONS:

Table listing abbreviations: A.B. ANCHOR BOLT, ALT ALTERNATE(ING), ARCHL ARCHITECTURAL, B. BOT BOTTOM, B.C. BOTTOM CHORD, B.N. BOUNDARY NAILING, BLK BLOCK, BLKD BLOCKED, BLKNG BLOCKING, BM BEAM, BRNG BEARING, C.B.C. CALIFORNIA BUILDING CODE, CLR CLEAR, COL COLUMN, CONCC CONCRETE, CONT CONTINUOUS, CONST CONSTRUCTION, CSK COUNTERSUNK, DBL DOUBLE, DET DETAIL, DIAM, # DIAMETER, DIM DIMENSION, DKG DECKING, do DITTO, DF-L DOUGLAS FIR-LARCH, DWG DRAWING, EA EACH, E.F. EACH FACE, EDGE NAILING, E.S. EACH SIDE, E.W. EACH WAY, EMBD EMBEDMENT, ETC ET CETERA, EQ EQUAL, EX EXIST, EXT EXTERIOR, FLG FLANGE, F.F. FINISH FLOOR, F.G. FINISH GRADE, F.J. FLOOR JOIST, FLR FLOOR, FT FOOT, G.I. GALVANIZED IRON, GA GAUGE, GLB GLUE-LAMINATED BEAM, GLULAM GLUE-LAMINATED GRADE, HOR HEADER, HGR HANGER, HT HEIGHT, H. HOR HORIZONTAL, I.D. INSIDE DIAMETER, INT INTERIOR, JST JOIST, K.S. KING STUD, L ANGLE SHAPE, LAG LAGBOLT, LAM LAMINATED, LDGR LEDGER, LG LONG, M.B. MACHINE BOLT, MAX MAXIMUM, MIN MINIMUM, MISC MISCELLANEOUS, N.T.S. NOT TO SCALE, O/O OVER, O.C. ON CENTER, O.D. OUTSIDE DIAMETER, OK OKAY, OPT OPTIONAL, PARTN PARTITION, PLAS PLASTER, P.C. PIPE COLUMN OR PORTLAND CEMENT, PEN PENETRATION, PL PLATE, PLY PLYWOOD, PSF POUNDS PER SQUARE FOOT, PSI POUNDS PER SQUARE INCH, P.T. PRESSURE TREATED, P.T. RADIUS, R. RAD REQUIRED, RFTR RAFTER, REINF REINFORCE(ING), RET RETAINING, S.E. SPACED EQUALLY, S.E.E.W. SPACED EQUALLY EACH WAY, S.S. SELECT STRUCTURAL, SHT SHEET, SIM SIMILAR, SPECS SPECIFICATIONS, SQ SQUARE, STAGRD STAGGERED, STD STANDARD, STL STEEL, STR STRUCTURAL, SYM SYMMETRICAL, T TOP, T.B. TOP OF BEAM, T.C. TOP CHORD, THK THICK, T & B TOP AND BOTTOM, T & G TONGUE AND GROOVED, TS STRUCTURAL TUBE, TYP TYPICAL, U.N.O. UNLESS NOTED OTHERWISE, V VERT VERTICAL, W WIDE, WIDE FLANGE SHAPE, W/ WITH, W/O WITHOUT, WD WOOD

Table with columns REVISIONS and BY

STANDARD STRUCTURAL REQUIREMENTS
PORCH ROOFS WITH 40 PSF SNOW LOADS
MONO COUNTY, CALIFORNIA

COUNTY OF MONO
COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION
P.O. BOX 3669
MAMMOTH LAKE, CA 93546
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Table with columns DATE, SCALE, DRAWN, JOB, SHEET