

1. FOUNDATION PLATES OR SLILLS AND SLEEPERS PLACED AGAINST CONCRETE, WHICH IS IN DIRECT CONTACT WITH EARTH, SHALL BE PRESERVATIVE TREATED DF #2.
2. ALL 6X FRAMING MEMBERS SHALL BE DF #1 OR BETTER, UNLESS NOTED OTHERWISE.
3. ALL 2X AND 4X FRAMING MEMBERS SHALL BE DF #2 OR BETTER, UNLESS NOTED OTHERWISE.
4. ALL 2X WALL STUDS SHALL BE DF #2 GRADE OR BETTER, UNLESS NOTED OTHERWISE.
5. ALL SHEATHING SHALL BE GRADE C-D, MINIMUM, FABRICATED IN CONFORMANCE WITH ICBO REPORT NO. NER-108, AND IDENTIFIED WITH THE GRADE TRADEMARK OF THE APA. ROOF SHEATHING SHALL HAVE A PANEL INDEX OF 40/20. FLOOR SHEATHING 1 MINIMUM. FLOOR SHEATHING, WHERE REQUIRED, SHALL HAVE A MINIMUM PANEL INDEX OF 40/20. WALL SHEATHING, WHERE REQUIRED, SHALL HAVE A MINIMUM PANEL INDEX OF 24/0. SHEATHING EXPOSED AT OVERHANGS OR EAVES SHALL BE PERMANENTLY EXPOSED TO WEATHER SHALL BE GRADE C-C EXTERIOR WITH A PANEL INDEX AS PREVIOUSLY NOTED.
6. ALL GLUE LAMINATED BEAMS SHALL BE COMBINATION 24F-V4 OR 24F-V5 PER USC TABLE 23-I-C-1, UNLESS NOTED OTHERWISE. GLUE-LAM BEAMS SHALL BE FABRICATED IN CONFORMANCE WITH STANDARD SPECIFICATIONS FOR STRUCTURAL GLUE-LAM MEMBERS OF THE "C" WITH AN ALLOWED STRESS OF 1-1/2" THICK. ALL GLUE-LAM BEAMS SHALL BE CAMBERED +1600' RADIUS UNLESS NOTED OTHERWISE. SUBMIT GLUE-LAM CERTIFICATES TO BUILDING OFFICIALS PRIOR TO ERECTION AS REQUIRED.
7. ALL NAILS SHALL BE COMMON WIRE. FOR MIN. REQUIREMENTS REFER TO CBC TABLE 23-I-Q.
8. ALL BOLTS AND NUTS SHALL CONFORM TO ASTM A-307. STANDARD CUT WASHERS SHALL BE FURNISHED AT EACH BOLT HEAD AND NUT PLACED NEXT TO WOOD.
9. ALL SHEET METAL CONNECTORS USED FOR CONNECTING STRUCTURAL WOOD MEMBERS SHALL HAVE:
a. USE OF APURAL AND SINKING SHALL BE PROHIBITED.
b. CONNECTORS OR APPROVED EQUAL. ALL CONNECTORS SHALL BE GALVANIZED OR PROVIDED WITH APPROVED CORROSION PROTECTION PAINT.
10. ALL FRAMING DETAILS AND MINIMUM CONSTRUCTION REQUIREMENTS SHALL CONFORM TO "CONVENTIONAL CONSTRUCTION PROVISIONS" OF THE 1997 CBC, SECTION 23-01, UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE IN THESE DRAWINGS.
11. MICRO-LAM LUMBER BEAMS SHALL BE MANUFACTURED BY TRUS-JOIST OR APPROVED EQUAL. THE MICRO-LAM LUMBER BEAMS SHALL BE MANUFACTURED FROM PARALLEL LAMINATED VENER LUMBER UTILIZING 1/12" OR 1/8" DOUGLAS FIR VENEER GLUED UP IN A CONTINUOUS PROCESS WITH ALL GRAIN PARALLEL WITH THE LENGTH OF THE MEMBER. LAMINATE VENEER SHALL BE 1/4" SINGLE OR DOUBLE LENGTH, FEE OF FINGER JOINTS, SCARF JOINTS OR MECHANICAL CONNECTIONS IN FULL LENGTH MEMBERS. VENEERS SHALL BE DRIED AS REQUIRED. AFTER DRYING, EACH VENER SHEET SHALL BE GRADED BY AN ULTRASONIC OR OTHER APPROVED NONDESTRUCTIVE TEST METHOD. ADHESIVE USED TO LAMINATE THE VENER SHALL BE WATERPROOF, MEETING THE REQUIREMENTS OF ASTM D-2559-76, UNIFORMLY APPLIED TO THE VENEER AT THE REQUIRED SPREAD RATE. LAMINATED VENER BEAMS MUST BE MANUFACTURED IN A PLANT AND UNDER A PROCESS APPROVED BY THE NATIONAL RESEARCH BOARD.

1. ALL STRUCTURAL STEEL AND MISCELLANEOUS METALS 3/16" THICK OR GREATER SHALL CONFORM TO ASTM A-36, UNLESS NOTED OTHERWISE. ALL STRUCTURAL STEEL, STEEL PLATE AND METALS SMALLER THAN 3/16" THICK SHALL CONFORM TO ASTM A-570 GRADE 36, UNLESS NOTED OTHERWISE.
2. ALL STRUCTURAL SQUARE TUBING SHALL CONFORM TO ASTM A-500, GRADE B.
3. ALL STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53, GRADE B.
4. ALL NUTS AND BOLTS SHALL CONFORM TO ASTM A-307, UNLESS NOTED OTHERWISE. WHERE ASTM A-325 BOLTS ARE INDICATED, DESIGN DOES NOT REQUIRE THE THREADS BE EXCLUDED FROM THE SHEAR PLANE.
5. STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH ACCEPTED PRACTICES AND PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, NINTH EDITION.
6. ALL WELDING SHALL BE WITH E70 ELECTRODES BY THE MANUAL SHIELD METAL ARC WELDING PROCESS PERFORMED BY CERTIFIED WELDERS. WELDING TECHNIQUE AND WORKMANSHIP SHALL CONFORM TO THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. ALL SHOP WELDING DESIGN IS BASED ON FULL STRESS DESIGN. ALL FIELD WELDING IS BASED ON HALF STRESS DESIGN.
7. ALL BOLT HOLES IN STEEL SHALL BE PUNCHED OR DRILLED. NO TORCHING OF HOLES ALLOWED. HOLES SHALL BE 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT.
8. ALL BOLT WELDS SHALL BE COMPLETE PENETRATION WELDS.

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE (CBC) 1997 EDITION, 13TH EDITION OF AASHTO; CALTRANS STANDARD SPECIFICATIONS, AND ALL OTHER PUBLICATIONS AND STANDARDS LISTED HEREIN.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL THE WORK OF THE SUBCONTRACTORS INDICATED ON THE STRUCTURAL DRAWINGS AND PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY THE PROJECT COORDINATOR IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS OR SPECIFICATIONS.
4. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
5. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
6. TEMPORARY BRACING OR SHORING SHALL NOT BE REMOVED UNTIL MATERIALS REACH THEIR ULTIMATE STRENGTH.
7. OPENINGS, POCKETS, ETC., SHALL NOT BE PLACED IN SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
8. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE SUCH LOADS WOULD EXCEED DESIGN LIVE LOAD.
9. CONTRACTOR SHALL READ AND FOLLOW ALL REFERENCED ICBG REPORTS FOR INSTALLATION OF ITEMS SHOWN. ALTERNATE METHODS OF CONSTRUCTION MAY BE SUBJECT TO APPROVAL TO THE PROJECT COORDINATOR WITH APPLICABLE ICBG REPORTS.
10. NO WARRANTIES ARE EXPRESSED OR IMPLIED.
11. IT IS THE INTENT OF THESE PLANS TO PROVIDE DETAILS OF CONSTRUCTION NECESSARY TO GUIDE THE GENERAL CONTRACTOR WITH STRUCTURAL ASPECTS OF THE PROJECT ONLY. ARCHITECTURAL FEATURES SHALL BE COORDINATED WITH THE OWNER.
12. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FOLLOWING, MAINTAINING AND BEING FAMILIAR WITH OSHA AND CAL-OSHA STANDARDS AND PROCEDURES FOR ALL ASPECTS OF THE CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, SAFETY OF THE CONSTRUCTION AND CONSTRUCTION PHYSICAL EXCAVATION PROCEDURES, TEMPORARY SHORING OR BRACING, SITE SAFETY PROCEDURES, ETC.
13. A DETAIL, SECTION, ELEVATION, ETC. REFERENCE MAY BE INDICATED ONLY ONCE ON A STRUCTURAL CONSTRUCTION DRAWING, BUT IS TO BE USED AT ALL LIKE AND SIMILAR CONSTRUCTION CONDITIONS.
14. ALL DETAILS DESIGNATED AS STANDARD OR TYPICAL SHALL OCCUR IN ADDITION TO ANY OTHER SPECIFIC DETAIL CALLED OUT.
15. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL RELIEVE THE GENERAL CONTRACTOR AND THE SUB CONTRACTORS OF:

1. ALL WORK SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, 2007 EDITION, AND THE LATEST EDITION OF THE ACI STANDARDS.
2. FOOTINGS SHALL BE POURED AGAINST ENGINEERED FILL OR UNDISTURBED SOIL. ALL FILL TO BE COMPACTED TO 90% PER ASTM D1557. ALL ORGANIC MATERIAL, RUBBLE, OR OTHER DELETERIOUS MATERIAL SHALL BE REMOVED.
3. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS UNLESS OTHERWISE NOTED ON DRAWINGS. THE QUALITY AND DESIGN OF CONCRETE SHALL BE IN ACCORDANCE WITH UBC EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL ALSO CONFORM WITH ACI 318.
4. REINFORCING STEEL SHALL BE INTERMEDIATE DEFORMED BARS CONFORMING TO ASTM A-615 WITH #4 OR SMALLER BARS GRADE 40 AND #5 OR LARGER GRADE 60. SPLICES IN THE REINFORCING STEEL SHALL BE LAPPED 40 BAR DIAMETERS, MINIMUM, UNLESS NOTED OTHERWISE. WELDING OF REINFORCING STEEL WILL NOT BE ALLOWED. SEPARATE BARS 1-1/2 BAR DIAMETERS CLEAR WITH A MINIMUM OF 1-1/2" CLEAR. FABRICATING DETAILS SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE. ALL REINFORCING SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS, UNLESS NOTED OTHERWISE:
SURFACES POURED AGAINST EARTH 3"
FORMED SURFACES EXPOSED TO GROUND OR WEATHER 2"
5. ALL MOUNDS, ORNAMENTS, GROOVES, CLIPS, ANCHOR BOLTS, ETC. SHOWN ON THE DRAWINGS SHALL BE PROVIDED FOR IN THE FORM WORK BEFORE THE CONCRETE IS POURED.
6. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO POURING CONCRETE.
7. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

NOTE: INSTALL HOLDOWN BRACKET IMMEDIATELY ADJACENT TO DOOR OR WINDOW OPENING OR AT CORNER OR AT END OF WALL STUDS, AS SHOWN ON FOUNDATION PLAN, BOLT TO KING STUD.

SEE FDM PLAN FOR BOUNDARY MEMBER SIZE. MINIMUM DBL. 2x. KING STUD OR POST. EXTEND FULL HEIGHT OF SHEAR WALL.

PLYWOOD BOUNDARY MAILING (P.B.N.)

16d @ 6" O.C. AT 2-2x POST (3")

POST BOLTS (SEE SCHEDULE FOR NUMBER AND SIZE)

SIMPSON HOLDOWN BRACKET

SIMPSON SSTB ANCHOR BOLT SEE SCHEDULE.

TOP OF FOOTING

ANCHOR BOLT EMBEDMENT EXCLUDING CURB HEIGHT (SEE SCHEDULE)

5" MIN. FROM ALL CORNERS & EDGES.

NEW #4 DOWELS @ 32" o.c.
EMBED 6" INTO (E) FOOTING
& SET WITH SIMPSON EPOXY
& w/ 24" OVERLAP AT (N) SLAB

NEW CONC. SLAB

EXISTING WALL

EXISTING PERMITTER
FOOTING & BLDG SLAB

DEPTH
SEE FDN.
PLAN

WIDTH
SEE FDN.
PLAN



SHEET TITLE

DETAILS

DATE
September 2, 2010

SHEET NO.
D100