

## E. LUMBER NOTES

- ALL LUMBER SHALL BE DOUGLAS FIR/LARCH AS FOLLOWS UNLESS NOTED OTHERWISE.
  - VERTICAL MEMBERS; POSTS- #1 GRADE, STUDS- STUD GRADE.
  - HORIZONTAL MEMBERS; 2x JOISTS/RAFTERS- #2 OR BETTER. BEAMS (3x OR LARGER)- #1 OR BETTER.
  - SHEATHING; PS-95 APA RATING SHEATHING EXP 1 OR APA RATED SHEATHING STRUCTURAL 1, EXP 1.
- ALL HEADERS (LINTELS) OVER OPENINGS 4' WIDE OR LESS SUPPORTING JOISTS OR RAFTERS SHALL BE MIN. 4x4 OR EQUIVALENT UNLESS NOTED OTHERWISE.
- ALL LUMBER BEARING ON CONCRETE OR MASONRY IN DIRECT CONTACT WITH EARTH SHALL BE PRESSURE TREATED OR DURABLE WOOD, FOUNDATION GRADE OR BETTER.
- PROVIDE 2x FIRE-BLOCKING AT MID-HEIGHT OF STUD PARTITIONS WHERE THE STUDS EXCEED 8'-0" IN LENGTH.
- JOISTS UNDER AND PARALLEL TO BEARING PARTITIONS SHALL BE DOUBLED.
- NO NOTCHING OR CUTTING OF STUDS IN EXTERIOR WALLS OR BEARING PARTITIONS SHALL EXCEED 25% OF WIDTH OF STUD. NOTCHES SHALL NOT EXCEED 40% IN NON-BEARING PARTITION STUDS. BORED HOLES SHALL NOT EXCEED IN DIAMETER 40% OF STUD WIDTH IN BEARING WALLS NOR 60% IN NON-BEARING WALLS. BORED HOLES UP TO 60% OF STUD WIDTH ARE ALLOWED IN BEARING WALLS WHERE SUCH BORED STUDS ARE DOUBLED PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE DOUBLED STUDS ARE SO BORED. IN NO CASE SHALL THE EDGE OF ANY BORED HOLE BE CLOSER THAN 5/8" TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED IN THE SAME SECTION OF ANY STUD AS A CUT OR NOTCH.
- FLOOR JOISTS SHALL BE SOLID BLOCKED OR BRIDGED AT MAX. 8' o.c.
- LATERALLY UNSUPPORTED 2x4 STUDS (STUD GRADE) SHALL NOT EXCEED 10' IN HEIGHT IN BEARING WALLS AND SHALL NOT BE SPACED MORE THAN 24" o.c. WHEN SUPPORTING ROOF AND CEILING ONLY AND 16" o.c. WHEN SUPPORTING ONE FLOOR, ROOF AND CEILING. SUCH STUDS SHALL NOT EXCEED 14' IN HEIGHT IN NON-BEARING WALLS. 2x6 STUDS AT 16" o.c. ARE TO BE USED FOR STUD WALLS OVER 14' AND UP TO 20' HIGH.
- ALL DOUBLE TOP PLATES SHALL BE LAPPED MIN. 4'-0" WITH 16 16d NAILS. ALL BREAKS IN TOP PLATES SHALL BE STRAPPED WITH 5.5T. "MST-48" ON BOTH SIDES.
- WHERE RAFTERS ARE NOT PARALLEL TO JOISTS MIN. 1x4 (NOM.) TIES AT 48" o.c. SHALL BE PROVIDED DIRECTLY ABOVE THE JOISTS. WHERE RAFTERS SUPPORT TILE ROOF TIES SHALL BE MIN. 2x4 (NOM.) WITH 3 16d NAILS PER CONNECTION.
- BUILT-UP BEAMS SUCH AS MULTIPLE 2x JOISTS SHALL BE BOLTED TOGETHER WITH 1/2" DIAM. MACHINE BOLTS WITH FLAT WASHERS AT EACH END AND SPACED AT 18" o.c. STAGGERED, 3" FROM TOP AND 3" FROM BOTTOM OF MEMBERS.
- WHERE STUD WALLS ABUT CONCRETE OR MASONRY WALLS THE END STUD SHALL BE DURABLE WOOD AS FOR SILL PLATES AND SHALL BE FASTENED TO THE CONCRETE OR MASONRY WALL WITH 1/2" DIAM. ANCHOR BOLTS NEAR THE TOP AND BOTTOM AND AT 4' o.c. BETWEEN.
- METAL CONNECTORS SHOWN ON THE PLANS REFER TO SIMPSON STRONG TIE CO. PRODUCTS. NO SUBSTITUTES SHALL BE ACCEPTABLE UNLESS THEY HAVE I.C.B.O. APPROVAL, ARE EQUAL IN DESIGN LOAD CAPACITY AND ARE APPROVED BY THE LOCAL BUILDING OFFICIAL.
- ALL NAILS USED FOR NAILING PLYWOOD SHEATHING SHALL BE RING-SHANK OR SPIRAL THREAD IN SIZES INDICATED ON PLAN AND IN ADDITION PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO JOISTS.
- ALL FINISH CARPENTRY SHALL BE PER OWNER AND OF CLEAR WOOD, WELL JOINED WITH CONCEALED NAILS.

## F. LAMINATED BEAM NOTES

- ALL LAMINATED BEAMS TO MEET THE REQUIREMENTS OF W.C.L.I.B. SPECIFICATIONS FOR COMBINATION LISTED. ALL POSTS TO MEET THE REQUIREMENTS OF W.C.L.I.B. SPECIFICATIONS FOR COMBINATION LISTED.
- ALL LAMINATED BEAMS TO MEET THE REQUIREMENTS OF A.I.T.C. STD. A 190.1 SPECIFICATIONS FOR "INDUSTRIAL LAMINATED BEAMS".
- WET-USE ADHESIVES SHALL BE USED AND SHALL COMPLY WITH THE REQUIREMENTS OF VOLUNTARY PRODUCT STANDARD PS 56-73.
- MOISTURE CONTENT TO BE 7% MIN. TO 15% MAX.
- PROVIDE COVER AND PROTECTION DURING TRANSIT. NO INDIVIDUAL WRAPPING.
- THE FABRICATOR SHALL FURNISH A.I.T.C. CERTIFICATION THAT THE GLUE LAMINATED MEMBERS ARE PRODUCED IN ACCORDANCE WITH THE PROVISIONS OF A.I.T.C. "INSPECTION MANUAL FOR STRUCTURAL GLUED LAMINATED LUMBER".
- ALL WORKMANSHIP AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE W.C.L.I.B. SPECIFICATIONS.
- L. A. CITY BEAMS TO BE PRODUCED IN THE SHOP OF A LOS ANGELES CITY LICENSED FABRICATOR.
- ALL BEAMS ARE TO BE FABRICATED WITH BOTH ENDS SHOP-MARKED AND LEFT WILD.
- ALL END JOINTS SHALL BE PRE-GLUED FINGER JOINTS MEETING A.I.T.C. SPECIFICATIONS.
- BEAMS TO BE COMB. 24F D F OR 2400F V3 DF/DF

## B. CONCRETE NOTES

- FOUNDATION DESIGNS ARE BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF UNLESS NOTED OTHERWISE.
- ALL CONCRETE SHALL BE MIN. 2500 P.S.I. COMPRESSION STRENGTH AT 28 DAYS EXCEPT CONCRETE FOR GRADE BEAMS AND PILES SHALL BE MIN. 3000 P.S.I. COMPRESSION STRENGTH AT 28 DAYS UNLESS NOTED OTHERWISE. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE V OR TYPE II. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C-33. TRANSIT MIX CONCRETE SHALL CONFORM TO ASTM C-94.
- ALL EXCAVATIONS, PREPARATIONS FOR SLAB-ON-GRADE, DEPTH OF FOOTINGS, BACKFILL, ETC., SHALL BE PER LOCAL CODES.
- ALL EXCAVATIONS FOR FOUNDATIONS SHALL BE SQUARE CUT, FREE OF STANDING WATER AND DEBRIS AND TAMPED FIRM PRIOR TO POURING CONCRETE.
- ALL FOOTINGS SHALL REST ENTIRELY ON NATURAL FIRM SOIL OR ENTIRELY ON APPROVED COMPACTED FILL WITH PROPER REINFORCING AS REQUIRED BY THE LOCAL CODE.
- THE BOTTOM OF ALL EXCAVATIONS FOR SEWERS, WATER, GAS, ELECTRICAL, DRAINAGE, TREES, ETC. SHALL BE MAINTAINED OUTSIDE AND ABOVE A LINE PROJECTED 45 DEG. DOWN AND AWAY FROM THE BOTTOM OF ANY BUILDING FOOTING.
- NO PIPES, CONDUITS OR CHASES SHALL BE PLACED INTO FOOTINGS.
- CONCRETE SLAB TYPE FOUNDATIONS MARKED 4" NOM. SHALL BE MIN. 3-1/2" P.C.C. CONCRETE SLAB WITH #3 BARS @18" o.c. EW AT MID POINT OVER 2" WASHED SAND OR PEA GRAVEL OVER 6 MIL MIN. VAPOR BARRIER OVER 2" MIN. WASHED SAND OR PEA GRAVEL UNLESS NOTED OTHERWISE ON THE PLAN.
- PERIMETER WALLS AND LOAD BEARING PARTITIONS SHALL BE PROVIDED WITH MIN. 5/8" DIAM. x 10" LONG ANCHOR BOLTS EMBEDDED 7" INTO CONCRETE AND SPACED AT MAX. 48" o.c. BOLTS SHALL BE PLACED WITHIN 12" BUT NO CLOSER THAN 3" FROM PLATE ENDS. NO LESS THAN TWO BOLTS SHALL HOLD ANY ONE PLATE MEMBER. EACH BOLT SHALL HAVE A 3"x3x1/4" PLATE WASHER.
- INTERIOR, NON-BEARING PARTITIONS SHALL BE SECURED TO THE SLAB WITH APPROVED POWDER SHOT PINS AT 32" o.c. MAX. (PDPHWL-400x 4" LONG ESR-2138)
- CONTRACTOR SHALL BE RESPONSIBLE FOR AND COORDINATE PLACEMENT OF ALL EMBEDDED OR COVERED STEEL, ANCHORS, FASTENERS, HOLDOWNS, PIPING, CONDUIT, SLEEVES, DUCTS ETC. PRIOR TO POURING CONCRETE.
- FORMS SHALL NOT BE REMOVED LESS THAN 48 HOURS AFTER CONCRETE IS POURED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER CURING OF CONCRETE PRIOR TO LOADING.

## C. MASONRY NOTES

- ALL MASONRY, EXCEPT DECORATIVE UNITS NOTED OTHERWISE, SHALL BE SET IN HORIZONTAL RUNNING BOND REGARDLESS OF SLOPE OF ADJACENT GRADE WITH SIDES PLUMB, CELLS ALIGNED VERTICALLY AND JOINTS STRUCK.
- ALL CONCRETE BLOCK SHALL BE GRADE N, TYPE I AND CONFORM TO ASTM C-90.
- GROUT SHALL BE 2000 PSI @ 28 DAYS, 1:3 MIX W/ 1/10 PART LIME AND 2 PARTS PEA GRAVEL, UNLESS NOTED OTHERWISE ON THE PLAN.
- MORTAR SHALL BE TYPE "S" 2000 PSI @ 28 DAYS UNLESS NOTED OTHERWISE ON THE PLAN.
- VERTICAL JOINTS SHALL NOT EXCEED 8'.
- NO CONTINUOUS INSPECTION REQUIRED UNLESS NOTED ON PLAN.
- VERTICAL STEEL IN WALLS SHALL BE PLACED AT THE CENTERLINE OF THE WALL UNLESS NOTED OTHERWISE. DOWELS SHALL BE THE SAME SIZE AND SPACING AS VERTICAL BARS IN THE WALL.
- ALL CELLS CONTAINING ANCHOR BOLTS OR REINFORCING STEEL SHALL BE SOLID GROUTED.
- CELLS TO BE GROUTED SHALL BE MOISTENED PRIOR TO GROUTING. GROUT SHALL BE HELD 1" BELOW TOP OF UPPER MOST UNITS TO FORM KEY WHEN GROUTING HAS STOPPED FOR 1 HOUR OR MORE. HORIZONTAL STEEL SHALL BE FULLY EMBEDDED IN GROUT IN AN UNINTERRUPTED POUR.

## D. STEEL NOTES

- ALL STEEL REINFORCING SHALL BE MIN. ASTM DESIG. A-615 GRADE 40 FOR BAR STEEL, GRADE 60 FOR GRADE BEAM AND PILE REINFORCEMENT AND A-185 FOR WIRE MESH UNLESS NOTED OTHERWISE.
- ALL PIPE COLUMNS SHALL CONFORM TO ASTM DESIG. A-53 GRADE B.
- ALL BOLTS SHALL CONFORM TO ASTM DESIG. A-307.
- ALL STRUCTURAL STEEL SHAPES, CLIP ANGLES AND MISC. PLATES SHALL CONFORM TO ASTM DESIG. A-36.
- ALL WELDING SHALL BE DONE BY WELDERS CERTIFIED BY THE LOCAL BUILDING AUTHORITY.
- ALL REINFORCING BARS SHALL HAVE MIN. 40 BAR DIAM. LAPS.
- REINFORCEMENT CLEARANCES; CONCRETE AGAINST EARTH, UNFORMED- 3", CONCRETE AGAINST EARTH, FORMED- 2", CONCRETE EXPOSED TO WEATHER, FORMED- 2", TOP AND BOTTOM SLAB, NOT EXPOSED TO WEATHER- 3/4".
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.

## A. GENERAL NOTES

- THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY ALL PRE-EXISTING CONDITIONS AND DIMENSIONS AT THE PROJECT SITE WITH THE PLANS. ANY DISCREPANCIES IN THE PLANS OR BETWEEN THE PLANS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THIS OFFICE IN WRITING BEFORE STARTING WORK. UPON THE START OF ANY WORK THIS PLAN SHALL BE DEEMED ACCEPTED BY THE CONTRACTOR(S).
- THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY AT THE SITE, ALL MEASUREMENTS INDICATED ON THE DRAWINGS, AND SHALL ESTABLISH CORRECTLY, LINES, LEVELS AND POSITIONS FOR THE WORK, AND BE RESPONSIBLE FOR THEIR ACCURACY. ANY DISCREPANCIES IN THE PLANS OR BETWEEN THE PLANS AND THE SITE SHALL BE BROUGHT TO THE ATTENTION OF THIS OFFICE IN WRITING BEFORE STARTING WORK. UPON THE START OF ANY WORK THIS PLANS SHALL BE DEEMED ACCEPTED BY THE CONTRACTOR(S).
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE, TO HAVE COMPARED IT WITH THE DRAWINGS AND SPECIFICATIONS & TO HAVE EXAMINED THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMISSION OF BID. IN THE EVENT THE CONTRACTOR DISCOVERS ANY DISCREPANCIES, ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR ANY CONFLICTS WITH THE LAWS OR ORDINANCES OF THE MUNICIPALITY IN WHICH THE WORK IS TO BE PERFORMED, CAPITAL DESIGNS SHALL BE NOTIFIED IMMEDIATELY IN WRITING. ANY NECESSARY CHANGES OR CLARIFICATIONS WILL BE MADE BY WRITTEN ADDENDUM AND WILL HENCEFORE BE CONSIDERED AS PART OF THE CONSTRUCTION DOCUMENTS.
- ALL WORK SHALL BE OF PROFESSIONAL QUALITY AND CONFORM TO NO LESS THAN THE STANDARDS OF THE LATEST ADOPTED LOCAL BUILDING CODE UNLESS NOTED OTHERWISE. REFERENCES IN THIS PLAN ARE TO THE 2007 CALIFORNIA BUILDING CODE. WHERE CONFLICTS EXIST, LOCAL CODES SHALL TAKE PRECEDENCE.
- SPECIFICATIONS TAKE PRECEDENCE OVER DRAWINGS, PRINTED DIMENSIONS OVER SCALE, LARGE SCALE OVER SMALL SCALE, SPECIFIC DETAILS OVER TYPICAL DETAILS, SPECIFIC NOTES OVER GENERAL NOTES AND DRAWINGS OF LATER DATE OVER THOSE OF EARLIER DATE.
- ALL MATERIALS, FIXTURES, APPLIANCES, HARDWARE AND FINISHES NOT SPECIFIED HEREIN SHALL BE PER OWNER AND/OR CONTRACTOR.
- CONTRACTOR SHALL PROVIDE CONTINUOUS SHORING OF OVERHEAD LOADS WHERE EXISTING LOAD BEARING MEMBERS ARE TO BE REMOVED OR RELOCATED UNTIL NEW STRUCTURAL MEMBERS ARE SECURELY IN PLACE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE WEATHER-TIGHT INTEGRITY OF ALL AREAS OF THE STRUCTURE(S) AFFECTED BY CONSTRUCTION DURING ALL PHASES OF CONSTRUCTION AND FOR A MINIMUM OF ONE YEAR AFTER FILING NOTICE OF COMPLETION.
- CONTRACTOR SHALL DETERMINE THE ADEQUACY OF EXISTING ELECTRICAL, GAS, WATER, HEATING AND AIR-CONDITIONING.
- SMOKE DETECTORS (I.C.B.O. APPROVED) SHALL BE PROVIDED IN ALL BEDROOMS, NEW AND EXISTING, AND/OR IN ADJOINING HALLWAYS AS REQUIRED BY LOCAL CODES. UNITS FOR NEW CONSTRUCTION SHALL BE HARD WIRED WITH BATTERY BACKUP AND INTERCONNECTED. UNITS FOR EXISTING AREAS MAY BE BATTERY OPERATED.
- ALL EXTERIOR FINISHES SHALL MATCH EXISTING ADJACENT FINISHES, WHERE APPLICABLE, AS CLOSELY AS PRACTICAL UNLESS SPECIFIED OTHERWISE ON PLAN.
- ALL DIMENSIONS ARE ROUGH AND TO SURFACE OR STUD LINES (OR CENTERLINES AS INDICATED) UNLESS NOTED OTHERWISE.
- ALL INTERIOR DOORS SHALL BE 1-3/8" THICK WOOD FACED, HOLLOW CORE UNLESS NOTED OTHERWISE. ENTRY DOORS SHALL BE 1-3/4" THICK WOOD SOLID CORE UNLESS NOTED OTHERWISE. GARAGE-TO-DWELLING DOORS SHALL BE RATED 1-HR. MIN., BE TIGHT FITTING AND HAVE SELF-CLOSERS. ALL DOORS SHALL HAVE 3/8" CLEARANCE AT BOTTOM EXCEPT AT THRESHOLDS.
- ALL SHOWERS AND TUBS WITH SHOWERS SHALL HAVE 6" HIGH MIN. NON-ABSORBENT WALLS. ALL SHOWERS ENCLOSURES, WINDOWS WITHIN 5' OF TUB OR SHOWER FLOORS, WINDOWS OVER 9 SQUARE FEET IN AREA WITHIN 18" OF FINISH FLOORS AND GLAZING BOTH WITHIN 12" OF A DOOR AND AT THE SAME TIME 5' OF THE FLOOR OR WALKING SURFACE SHALL BE OF SHATTER-RESISTANT MATERIALS OR TEMPERED GLASS MEETING OR EXCEEDING THE TEST REQUIREMENTS OF PART-I OF U.B.C. STANDARD NO. 24-2 OR EQUIVALENT TESTS APPROVED BY THE BUILDING OFFICIAL.
- ALL BATHROOMS AND SERVICE ROOMS WITHOUT NATURAL VENTILATION SHALL BE PROVIDED WITH A FAN CAPABLE OF 5 AIR CHANGES MIN. PER HOUR, WITH BACKDRAFT DAMPER.
- ALL TUBS TO BE EQUIPED WITH A 12" x 12" METAL PLUMBING ACCESS PANEL SET IN METAL FRAME.
- ALL SHEET METAL TO BE MIN. 26 GA. GALVANIZED IRON UNLESS NOTED OTHERWISE ON PLAN.
- FLASH ALL EXTERIOR OPENINGS WITH APPROVED WATERPROOF BUILDING PAPER EXTENDING MIN. 3" UNDER BUILDING PAPER BEHIND FINISH WALL TREATMENT.
- ALL ROOF WATER ON NEW CONSTRUCTION TO BE CARRIED TO STREET OR OTHER APPROVED WATERCOARSE VIA NON-EROSIVE DRAINAGE DEVICES WHETHER SHOWN ON PLAN OR NOT.
- ALL SPACES DESIGNED TO CONTAIN ELECTRIC OR ELECTRONIC EQUIPMENT CAPABLE OF GENERATING HEAT SHALL BE WELL VENTED TO THE ADJACENT ROOM.
- ALL USABLE SPACES UNDER INTERIOR STAIRS SHALL BE COVERED WITH 5/8" TYPE "X" GYPSUM BOARD.
- ALL TREES ON THE SITE ARE TO BE PROTECTED UNLESS SHOWN TO BE REMOVED. PERMITS SHALL BE OBTAINED FOR OAK TREES TO BE REMOVED.
- AT COMPLETION OF PROJECT THE CONTRACTOR SHALL PROVIDE FOR FINAL CLEAN-UP OF JOB SITE. IN ADDITION ALL GLASS THAT IS DAMAGED OR SCRATCHED SHALL BE REPLACED. ALL HARDWARE, PLATED OR PAINTED METAL AND FIBERGLASS SURFACES SHALL BE CLEANED WITHOUT THE USE OF ABRASIVES.

### NAILING SCHEDULE

CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOE NAIL	3-8d COMMON (2 1/2"x131")
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d COMMON (2 1/2"x131")
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d COMMON (3 1/2"x131")
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL	2-8d COMMON (2 1/2"x131")
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	2-16d COMMON (3 1/2"x162")
6. SLATE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d@16"oc
7. TOP PLATE TO JOIST OR GIRDER, AT BRACED WALL PANELS	3-16d@16"
8. STUD TO STUD, END NAIL	2-16d COMMON (3 1/2"x162")
9. DOUBLE STUDS, FACE NAIL	4-8d, toe nail or 2-16d, end nail
10. DOUBLE TOP PLATE, TYPICAL FACE NAIL	16d@16"oc
11. DOUBLE TOP PLATES, LAP SPICE	8-16d
12. RIM JOIST TO TOP PLATE, TOENAIL	8d@6"oc
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
14. CONTINUOUS HEADER, TWO PIECES	16d@16"oc along each edge
15. CEILING JOIST TO PLATE, TOE NAIL	3-8d
16. CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d
17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-16d
18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-8d
19. RAFTER TO PLATE, TOE NAIL	2-8d
20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
21. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	3-8d
22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	16d@24"oc
23. BUILT-UP CORNER STUDS	2-20d @ ends & @ each splice
24. BUILT-UP GIRDER AND BEAMS 20d@32" oc at top & bottom & staggered	2-20d @ ends & @ each splice
25. 2" PLANKS	2-16d at each bearing
26. COLLAR TIE TO RAFTER, FACE NAIL	3-10d COMMON
27. JACK RAFTER TO HIP	3-10d COMMON TOE NAIL OR 2-16d COMMON FACE NAIL
28. ROOF RAFT TO 2-BY RIDGE BEAM	2-16d COMMON TOE NAIL OR 2-16d COMMON FACE NAIL
29. JOIST TO BAND JOIST	3-10d COMMON FACE NAIL
30. LEDGER STRIP	3-16d COMMON FACE NAIL
31. WOOD STRUCTURE PANELS AND PARTICLEBOARD SUBFLOOR AND WALL SHEATHING (TO FRAMING)	No. 11 gd <sup>H</sup> 6d No. 16ga <sup>H</sup> No. 11 gd <sup>I</sup> 8d No. 16ga <sup>I</sup>
32. PANEL SIDING (TO FRAMING)	6d <sup>F</sup> 8d <sup>F</sup>
33. FIBERBOARD SHEATHING	No. 11 gd <sup>H</sup> 6d No. 16ga <sup>H</sup> No. 11 gd <sup>I</sup> 8d No. 16ga <sup>I</sup>
34. INTERIOR PANELING	4d <sup>J</sup> 6d <sup>J</sup>
A. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED. B. NAILS SPACED @6"OC EDGES, 12" @ INTERMEDIATE SUPPORTS EXCEPT 6" @ ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL & PARTICLEBOARD DIAPHRAGMS & SHEAR WALLS, REFER TO SECTIONS 6305. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING. C. COMMON OR DEFORMED SHANK D. COMMON E. DEFORMED SHANK F. CORROSION-RESISTANT SIDING G. FASTENERS SPACED 3' OC @ EXTERIOR EDGES & 6' OC @ INTERMEDIATE SUPPORT WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6' OC ON EDGE & 12" o.c. AT INTERMEDIATE FOR NON STRUCTURAL APPLICATION. H. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIA HEAD & 1 1/2" LENGTH FOR 1/2" SHEATHING & 1 3/4" LENGTH FOR 25/32" SHEATHING. I. CORROSION-RESISTANT STAPLES WITH 7/16" CROWN & 1 1/8" LENGTH FOR 1/2" SHEATHING & 1 1/2" LENGTH FOR 25/32" PANEL SUPPORTS @ 16" o.c. J. CASING (1 1/2"x90") OR FINISH NAILS SPACED 6' ON PANEL EDGE, 12" ON INTERMEDIATE SUPPORT. K. PANEL SUPPORTS AT 24", CASING OR FINISH NAILS SPACED 6' ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS. L. FOR ROOF SHTG 8D NAILS ARE THE MIN. REQUIRED FOR WOOD STRUCTURAL PANELS. M. STAPLES SHALL HAVE A MIN. CROWN WIDTH OF 7/16". N. FOR ROOF SHTG APPLICATION, FASTENERS SPACED 4' o.c. AT EDGE, 8' @ INTERMEDIATE SUPPORT. O. FASTENERS SPACED 4' o.c. @ EDGE, 8' o.c. @ INTERMEDIATE SUPPORT & WALL SHTG. & 3' o.c. AT EDGE, 6' AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING. P. FASTENERS SPACED 4' o.c. AT EDGE, 8' @ INTERMEDIATE SUPPORTS.	

## LOS ANGELES REGIONAL UNIFORM CODE PROGRAM COMMITTEE 1-3: STRUCTURAL OBSERVATION

### STRUCTURAL OBSERVATION PROGRAM & DESIGNATION OF THE STRUCTURAL OBSERVER

PROJECT ADDRESS: 10007 LAUREL CANYON, PACOIMA PERMIT APPL. NO.

DESCRIPTION OF WORK: 1- STORY ADDITION

OWNER: KCF

ARCHITECT:

ENGINEER: LOBANA ENGINEER

STRUCTURAL OBSERVATION (ONLY CHECKED ITEMS ARE REQUIRED)			
FIRM OR INDIVIDUAL TO BE RESPONSIBLE FOR STRUCTURAL OBSERVATION:			
NAME: PAUL LOBANA PHONE: (818) 203 2527 CALIF. REGISTRATION: C050989			
FOUNDATION	WALL	FRAME	DIAPHRAGM
<input checked="" type="checkbox"/> FOOTING, STEM WALLS, PIERS	<input type="checkbox"/> CONCRETE	<input type="checkbox"/> STEEL MOMENT FRAME	<input type="checkbox"/> CONCRETE
<input type="checkbox"/> MAT FOUNDATION	<input type="checkbox"/> MASONRY	<input type="checkbox"/> STEEL BRACED FRAME	<input type="checkbox"/> STEEL DECK
<input type="checkbox"/> CAISSON, PILES, GRADE BEAMS	<input checked="" type="checkbox"/> WOOD	<input type="checkbox"/> CONCRETE BRACED FRAME	<input type="checkbox"/> WOOD
<input type="checkbox"/> STEPP'G/RETAIN'G FOUN. HILLSIDE SPECIAL ANCHORS	<input type="checkbox"/> OTHERS:	<input type="checkbox"/> MASONRY WALL FRAME	<input type="checkbox"/> OTHERS:
<input type="checkbox"/> OTHERS:		<input checked="" type="checkbox"/> OTHERS: SIMPSON SH	

#### DECLARATION BY OWNER

I, THE OWNER OF THE PROJECT, DECLARE THAT THE ABOVE LISTED FIRM OR INDIVIDUAL IS HIRED BY ME TO BE THE STRUCTURAL OBSERVER.

SIGNATURE

DATE

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (REQUIRED IF THE STRUCTURAL OBSERVER IS DIFFERENT FROM THE ARCHITECT OR ENGINEER OF RECORD)

I, THE ARCHITECT OR ENGINEER OF RECORD FOR THE PROJECT, DECLARE THAT ABOVE LISTED FIRM OR INDIVIDUAL IS DESIGNATED BY ME TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATION.

SIGNATURE

DATE

C050989

06-02-10

LICENSE NO.

## REVISION

## LOBANA ENGINEERING INC.

4130 READ ROAD  
MOOREPARK, CA. 93021  
PHONE: (818) 205 2527  
PHONE: (805) 524 5435  
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PAULLOBANA@aol.com

### PROJECT SCOPE OF WORK:

- ADD 3-BED ROOMS, CLOSETS & NEW BATHROOM AND 1-LAUNDRY ROOM. 1-STORY SINGLE FAMILY RESIDENCE. 1ST FLOOR. PROVIDE NEW ASPHALT SINGLE ROOF TO ENTIRE BLDG.

### TITLE

ADDITION & REHABILITATION T1 EXIST. 1-STORY SINGLE FAMILY RESIDENCE.

### OWNER

KHALSA CARE FOUNDATION  
10007 LAUREL CANYON BLVD.  
PACOIMA, CA 91331

### LOT AREA

11982.0 SQ. FT.  
882.0 SQ. FT.  
344.0 SQ. FT.  
990.0 SQ. FT.  
RAISED WOOD FLOOR W/ CONC. FOUNDATION. WOOD MUSTULO EXTERIOR

### SITE INFORMATION

FR 303  
THE MACLAY RANCHO  
MR. 37-5/16  
MAP REFERENCE #  
201B157, 204B157  
ZONING  
R-1  
APN# 982002009

DATE:

JUNE 22/10

SCALE:

1/4"=1'-0"

PROJECT NO:

KCF

5-1