

PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS

SHEAR WALL SCHEDULE									
TYPE	SHEATHING MATERIAL	PANEL NAILING		BLKG. TO PLATE CONNECTION	PLATE TO BLKG. CONNECTION	ANCHOR BOLTS (U.N.O.)	EMBED. DEPTH	SHEAR, PLF (LRFD)	SHEAR, PLF (ASD)
		PERIMETER	FIELD						
1	15/32" PLYWOOD STRUCTURAL 1	10d @ 6" O.C.	10d @ 12" O.C.	A35 OR LTP4 @ 16" O.C.	20d NAILS @ 6" O.C.	5/8" @ 48" O.C.	9"	544	340
2	15/32" PLYWOOD STRUCTURAL 1	10d @ 4" O.C.	10d @ 12" O.C.	A35 OR LTP4 @ 12" O.C.	SDS 1/4"x6" @ 8" O.C.	5/8" @ 32" O.C.	9"	816	510
3	15/32" PLYWOOD STRUCTURAL 1	10d @ 3" O.C.	10d @ 12" O.C.	A35 OR LTP4 @ 10" O.C.	SDS 1/4"x6" @ 6" O.C.	5/8" @ 32" O.C.	9"	1064	665
4	15/32" PLYWOOD STRUCTURAL 1	10d @ 2" O.C.	10d @ 12" O.C.	A35 OR LTP4 @ 8" O.C.	SDS 1/4"x6" @ 4" O.C.	5/8" @ 24" O.C.	9"	1392	870

1. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
2. SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.
3. ALL SHEAR WALLS WITH A SHEAR VALUE GREATER THAN 300 LB/FT SHOULD BE PROVIDED:
 - a) 3x FOUNDATION SILL PLATES
 - b) 3x STUDS AND BLOCKS BETWEEN ADJACENT PANELS
 - c) 1/2" EDGE DISTANCE FOR PLYWOOD BOUNDARY NAILING
 - d) ALL PANEL JOINT AND SILL PLATE NAILING SHALL BE STAGGERED.
 - e) STAGGER NAILS IF NAIL SPACING IS LESS THAN 2" O.C.
 - f) SQUARE PLATE WASHERS SHALL BE USED WITH ANCHOR BOLTS
 - 5/8" @ BOLT - 3"x3"x1/4"
 - 3/4" @ BOLT - 3"x3"x5/16"
 - 7/8" @ BOLT - 3"x3"x5/16"
 - 1" @ BOLT - 3.5"x3.5"x3/8"

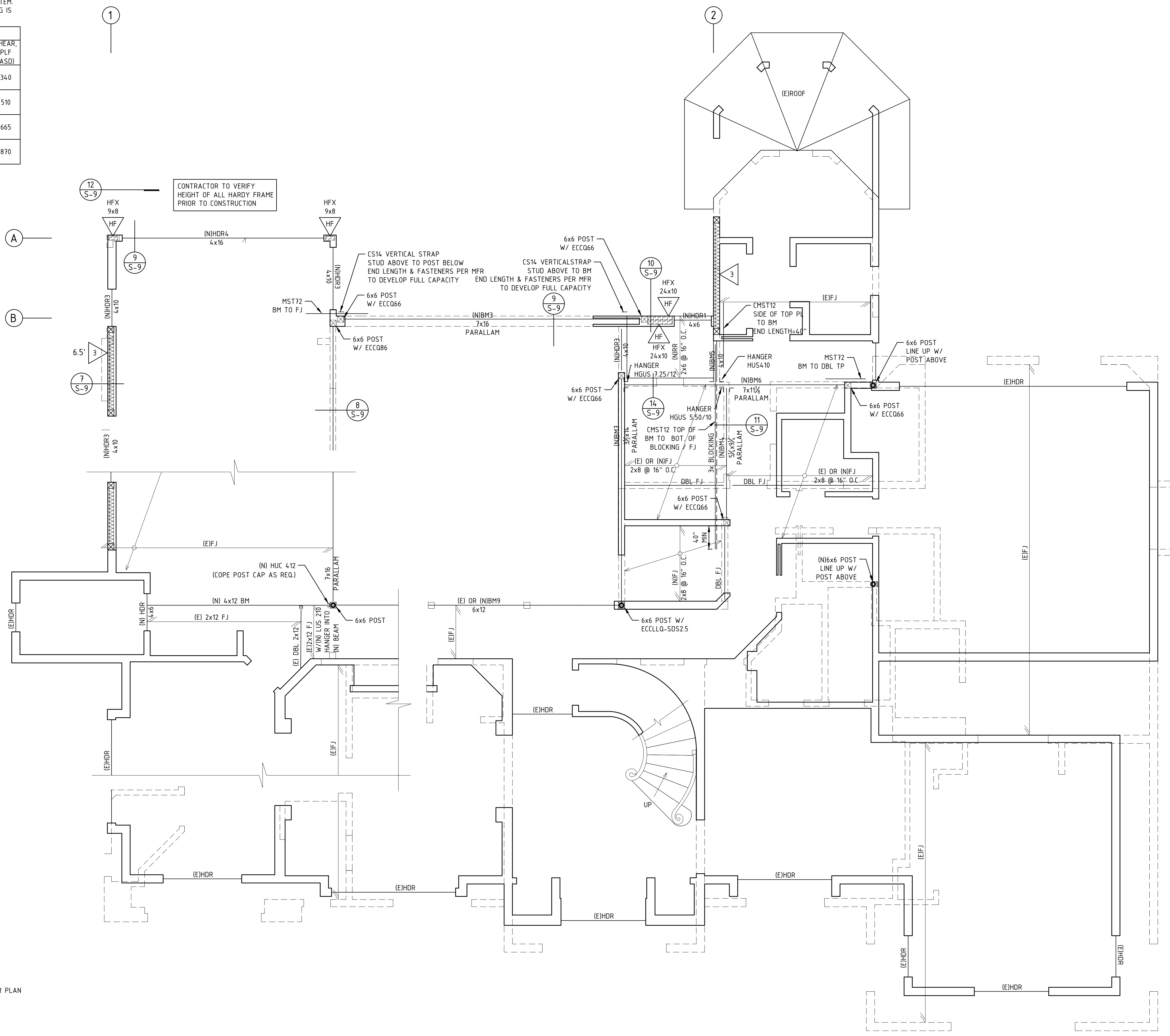
NOTES

1. ALL STRUCTURAL WOOD SHALL BE DOUGLAS FIR LARCH SPECIES PER INFORMATION SHOWN ON SHEET A-4 WITH 19% MAXIMUM MOISTURE CONTENT U.N.O.
2. ALL WALLS OVER 10' IN HEIGHT TO BE 2X6 @16" O.C. FRAMING.
3. DOUBLE JOISTS ARE REQUIRED UNDER PARALLEL BEARING PARTITIONS.
4. AN AITC CERTIFICATE OF INSPECTION FOR ALL GLU-LAM BEAMS INCLUDING PARALLAM BEAMS SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DEPT. PRIOR TO ERECTION.
5. GLUE LAM BEAMS MUST BE FABRICATED IN A LADBS LICENSED SHOP. IDENTIFY GRADE SYMBOL AND LAMINATION SPECIES PER T 5A, 2005 NDS SUPP.
6. FIELD WELDING TO BE DONE BY WELDERS CERTIFIED BY THE LADBS FOR STRUCTURAL STEEL. CONTINUOUS INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED.
7. SHOP WELDS MUST BE PERFORMED IN A LADBS LICENSED FABRICATORS SHOP.
8. LADBS LICENSED FABRICATOR IS REQUIRED FOR STRUCTURAL STEEL.
9. ALL WOOD MEMBERS MUST BE GRADE MARKED WITH GRADE AND SPECIES.
10. BEARING WALL STUDS CANNOT BE NOTCHED MORE THAN 25% OF THEIR WIDTH. BORED HOLES CANNOT HAVE A DIAMETER GREATER THAN 40% OF THE STUD WIDTH.
11. PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.
12. STRUCTURAL OBSERVATION IS REQUIRED FOR ALL PLYWOOD SHEAR WALLS WITH A DESIGN LOAD OVER 300 PLF.
13. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX.
14. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7
15. EXTERIOR STAIRS AND BALCONIES MUST BE POSITIVELY ATTACHED TO THE STRUCTURE WITHOUT THE USE OF TOE NAILS OR NAILS IN WITHDRAWAL.
16. ALL BOLT HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED.
17. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/ COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SEC. 1706.1
18. CONTINUOUS SPECIAL INSPECTION REQUIRED BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, CONCRETE STRENGTH F'c-2500 PSI, HIGH STRENGTH BOLTING, SPRAYED-ON FIREPROOFING, ENGINEERED MASONRY, HIGH-LIFT GROUTING, PRE-STRESSED CONCRETE, HIGH LOAD DIAPHRAGMS AND SPECIAL MOMENT-RESISTING CONCRETE FRAMES.
19. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.
20. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
21. FIELD WELDING TO BE DONE BY WELDERS CERTIFIED BY THE LADBS. CONTINUOUS INSPECTION IS REQUIRED.
22. A COPY OF THE LOS ANGELES RESEARCH REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

FLOOR SHEATHING
 3/4" THICK PLYWOOD C-D EXT INDEX 3/8" W/10d COMMON NAILS @ 4"x4" 12" O.C.
 BLOCK ALL UNSUPPORTED PLYWOOD EDGES W/2x4 FLAT BLOCKING, TYPICAL - U.N.O. W/ RADIANT BARRIER

LEGEND:

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|--|--|--|---|
| | FRAMING MEMBERS | | SHEAR WALL PER PLAN |
| | FRAMING BOUNDARY | | CONCRETE SHEAR WALL PER PLAN |
| | POST FROM ABOVE ON TOP OF BEAM/HEADER | | EXISTING FOUNDATION |
| | POST W/STRAP OR HOLDOWN FROM ABOVE ON TOP OF BEAM/HEADER | | NEW FOUNDATION |
| | 4x4 POST (U.N.O.) | | NEW GRADE BEAM |
| | POST FROM ABOVE ON TOP OF POST BELOW | | HDU2* |
| | POST FROM ABOVE W/STRAP OR HOLDOWN ON TOP OF POST BELOW | | USE SET-XP EPOXY PER SEC. 1/- LARR# 25744 |
| | 4x4x1/4 HSS POST (U.N.O.) | | |



No	DATE	REVISIONS	BY

SECOND FLOOR FRAMING PLAN
 ADDRESS: 27701 DEPUTY CIRCLE DRIVE, LAGUNA HILLS, CA 92653
 OWNER:

SEAL

DRAWN:	E.N.
CHECKED:	T.S.
DATE:	03/23/21
SCALE:	1/4"=1'
JOB #:	20-05-133
SHEET:	S4