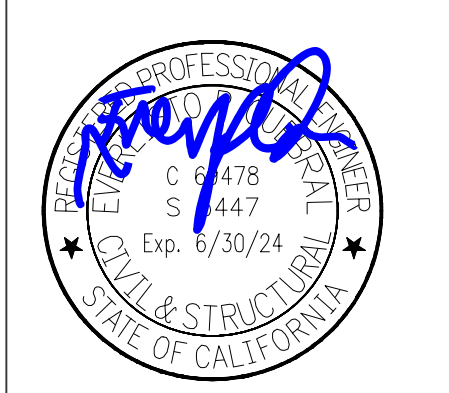


REVISIONS	BY

PROJECT:
WALLACE/JONES RESIDENCE
4254 SUZANNE DR., PALO ALTO, CA

SHEET TITLE:
STRUCTURAL LOWER ROOF/FLOOR FRAMING PLAN



DATE: 12-12-2023
SCALE: N.T.S.
DRAWN BY: M.KASIR
DATE: 2022-6-66

S-5

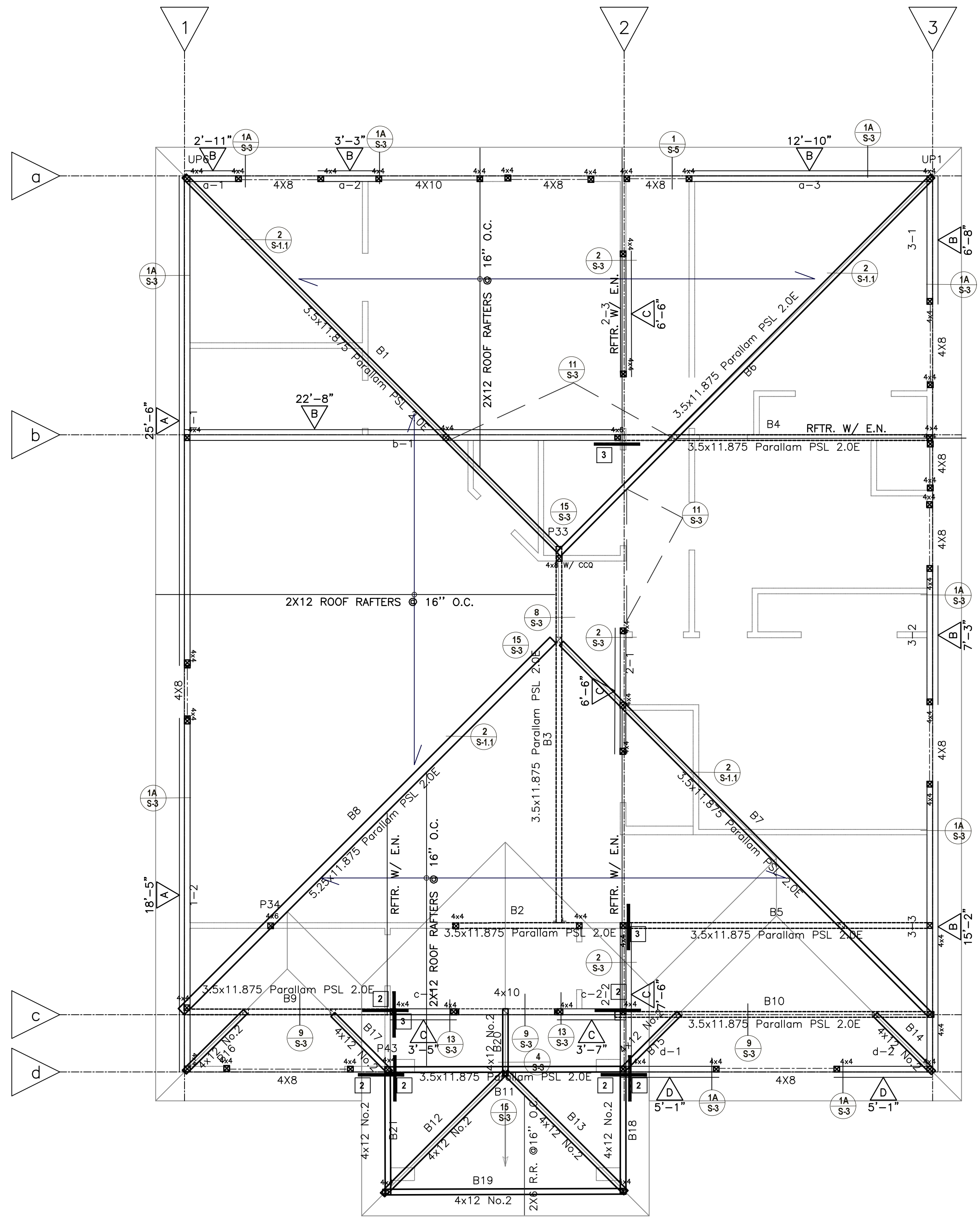
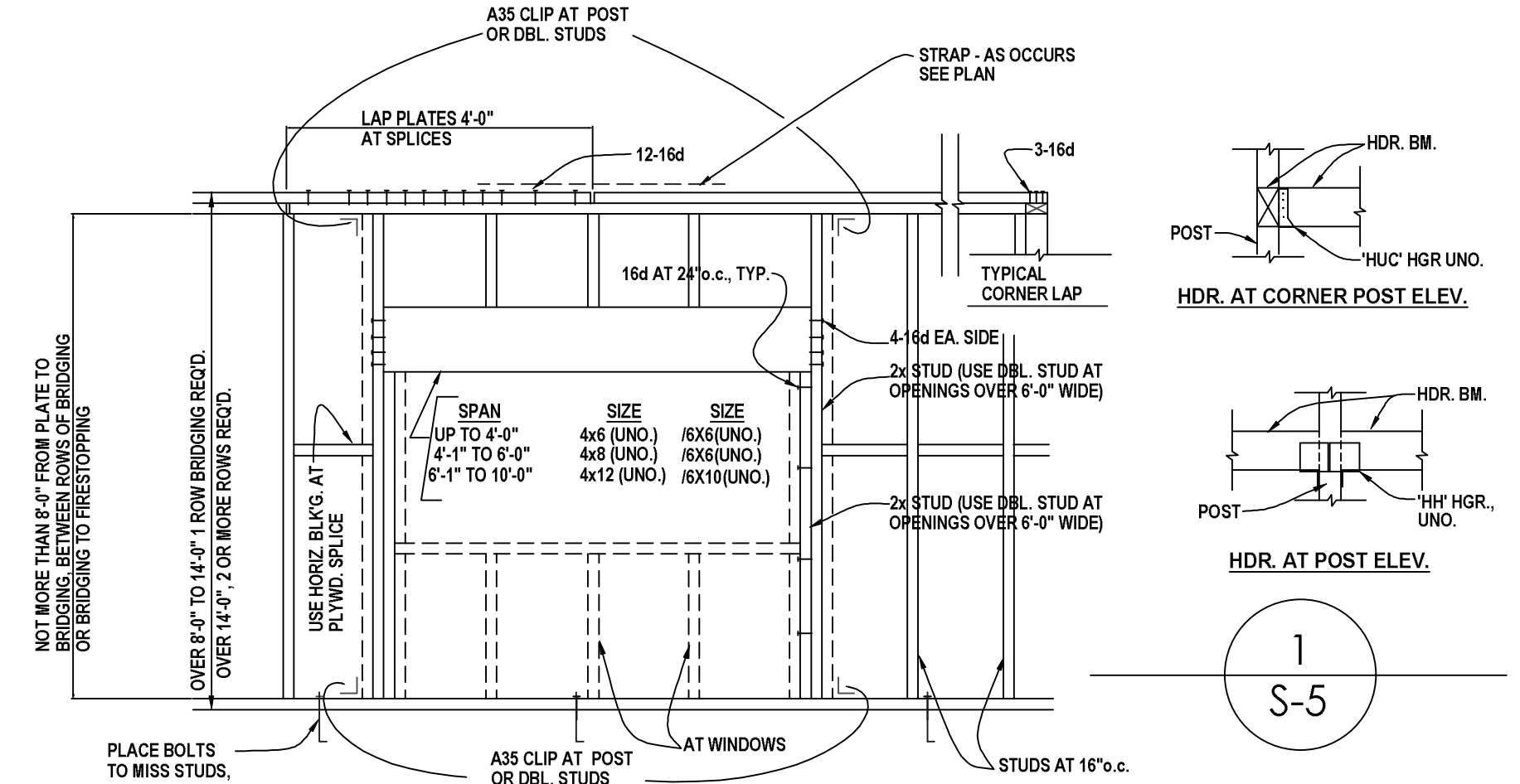
SILL ANCHORS AND P.T.D.F. MUDDSILLS:
 1. ALL NON-SHEAR WALL SILLS SHALL BE ATTACHED TO THE FOUNDATION WITH A MINIMUM OF A SIMPSON 5/8"Ø x 12" ANCHORS AT 4'-0" O.C. (U.N.O.) EACH PIECE OF SILL PLATE IS TO HAVE A MINIMUM OF 2 ANCHORS PER PIECE 12" MAXIMUM FROM EACH END. EMBED ANCHORS 7" MIN. INTO CONCRETE.
 2. ALL PLATES ON CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR (P.T.D.F.).
 3. WHERE REQUIRED, USE HOT DIPPED GALVANIZED ANCHOR BOLTS, NAILS AND HARDWARES THAT ARE ATTACHED TO P.T.D.F. MUDDSILL PER RELEVANT CITY CODE REQUIREMENTS.

MEMBER SIZE	MINIMUM NUMBER OF PULL TESTS	MINIMUM TEST SPACING (INCH)
2x4	2	12
2x6	2	12
2x8	2	12
2x10	2	12
2x12	2	12

ROOF SHEATHING
 SHALL BE 15/32" APA RATED SHEATHING, EXPOSURE 1, SPAN RATING 32/16.
 8d @ 6" o.c. Plywood edges
 8d @ 12" o.c. Intermediate supports (rafters)

MARK	COLLECTOR CONNECTION		SCHEDULE	
	SIMPSON HARDWARE	CAPACITY	DETAIL	NOTES
1	'ST6236' STRAP	3845#		JOIST TO JOIST
2	'ST6236' STRAP	3845#		BEAM TO PLATE
3	'ST6236' STRAP	3845#		BEAM/JOIST TO PLATE/BEAM

NOTE: ALL FIRST FLOOR POSTS TO BE DF #1.



- FRAMING NOTES**
- PROVIDE A 2-2x POST BELOW ALL BEAM ENDS UNLESS A LARGER POST IS SPECIFIED.
 - NAIL ROOF PLYWOOD W/ SHEAR TRANSFER NAILING (EN) TO ALL FRIEZE BLOCKING AT EXTERIOR WALLS AND TRUSSES IN LINE WITH EXTERIOR WALLS OR SHEAR WALLS.
 - EXTEND ALL ROOF PLYWOOD BELOW CALIF. FRAMED AREAS AND PROVIDE SHEAR TRANSFER NAILING (EN) TO BEAM OR PERIMETER WALL BLOCKING.
 - NAIL SHEAR MATERIAL WITH TWO ROWS OF EDGE NAILING TO ALL POSTS ATTACHED TO HOLDDOWN ANCHORS OR STRAPS.
 - ALL SPECIFIED BLOCKING IS TO BE INSTALLED "TIGHT" BETWEEN ADJACENT MEMBERS.
 - DO NOT OVERRIDE NAILS INTO PLYWOOD. IF NAIL GUN IS USED, GUN SHOULD BE ADJUSTED TO UNDERDRIVE NAIL, THEN NAILS ARE TO BE HAND DRIVEN SO THE HEAD OF THE NAIL IS FLUSH WITH THE FACE OF THE PLYWOOD.
 - AT NAILED CONNECTIONS, CARE IS TO BE TAKEN DURING CONSTRUCTION TO ENSURE THAT SPLITTING OF WOOD DOES NOT OCCUR. ANY SPLIT MEMBERS SHALL BE REMOVED AND REPLACED, USING A METHOD OF ATTACHING THE SPECIFIED CONNECTORS IN A WAY TO PREVENT SPLITTING.
 - PROVIDE BLOCKING AT SPANS GREATER THAN 10 FEET. PROVIDE 2 FLOOR JOISTS UNDER WALLS PARALLEL TO JOISTS. PROVIDE SOLID BLOCKING UNDER WALLS PERPENDICULAR TO JOISTS.

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'CS' & 'CMS' STRAP CLARIFICATION:
 STRAP LENGTH CLARIFICATION EXAMPLE: CMS12/45"
 STRAP IDENTIFICATION, SEE SIMPSON CATALOG FOR ADDITIONAL INFO.
 REQUIRED END LENGTH (AT EACH END), SEE SIMPSON CATALOG FOR TOTAL CUT LENGTH REQUIREMENTS.
 FILL ALL HOLES, LOCATED WITHIN THE END LENGTH SPECIFIED, WITH SIMPSON N16 NAILS, INCLUDING TRIANGULAR HOLES. USE 14" END LENGTH NAILING, U.N.O. FOR CS16 STRAP, 45" END LENGTH NAILING, U.N.O. FOR CMS12 STRAP, 25" END LENGTH NAILING, U.N.O. FOR CMS16 STRAP.
 STRAP LENGTH CLARIFICATION EXAMPLE: CMS12x90"
 TOTAL LENGTH OF STRAP
 USE 36" TOTAL LENGTH CLARIFICATION FOR CS16, U.N.O., 50" TOTAL LENGTH FOR CMS16, U.N.O.

PARALLEL BEAM HANGER SCHEDULE	
3-1/2" X 11-7/8"	"GLTV3.511"
5-1/4" X 11-7/8"	"HGLTV5.511"
7" X 11-7/8"	"HGLTV411.88-2"

BEAM WIDTH	POST SIZE (MIN.)	BEAM TO POST CONNECTION	
		END	INTERMEDIATE
4X	4X4	EPC44	PC44
6X	4X6	EPC64	PC64
3 1/8" X GLB	4X4	ECC44	CC44
5 1/8" X GLB	4X6	ECC64	CC64
6 3/4" X GLB	4X8	ECC74	CC74

BEAM WIDTH	POST SIZE (MIN.)	WALL STUD SIZE	BEAM TO POST CONNECTION	
			END	INTERMEDIATE
3 1/2" PSL	4" X 4"	2X4 STUD	ECCQ44SDS2.5	CCQ44SDS2.5
	4" X 6"	2X6 STUD	ECCQ46SDS2.5	CCQ46SDS2.5
5 1/4" PSL	4" X 6"	2X4 STUD	ECCQ64SDS2.5	CCQ64SDS2.5
	6" X 6"	2X6 STUD	ECCQ66SDS2.5	CCQ66SDS2.5
7" PSL	6" X 8"	2X8 STUD	ECCQ68SDS2.5	CCQ68SDS2.5
	4" X 8"	2X4 STUD	ECCQ7.1-4SDS2.5	CCQ7.1-4SDS2.5
	6" X 8"	2X6 STUD	ECCQ7.1-6SD2.5	CCQ7.1-6SD2.5
	8" X 8"	2X8 STUD	ECCQ7.1-8SDS2.5	CCQ7.1-8SDS2.5

ENGINEERED LUMBER
 ALL ENGINEERED LUMBER BEAMS SHALL BE BY TRUS-JOIST MACMILLAN, BOISE, IDAHO.
 LVL - LAMINATED VENEER LUMBER SHALL BE 1.9E MICROLAM LVL.
 RIM BOARDS AND BLOCKING, 1.5E TIMBERSTRAND FOR JOISTS, BEAMS AND HEADERS.
 LSL - LAMINATED STRAND LUMBER SHALL BE 1.3E TIMBERSTRAND FOR STUDS.
 PSL - PARALLEL STRAND LUMBER SHALL BE 2.0E PARALLEL PSL.
 Parallel Strand Lumber (PSL): Fb = 2900 psi Fc (perpendicular to grain) = 750 psi Fc (parallel to grain) = 2900 psi Fv (parallel to grain) = 2000 psi E = 2,000,000 psi
 SAWN LUMBER: 4X LUMBER DF #2 (ALL FIRST FLOOR POSTS TO BE NO.1)

- LEGEND:**
- ST6236 U.N.O.
 - 4X BLK'G
 - 4X S.B.
 - 4X SOLID BLK'G
 - 2X4 FRAME WALLS
 - SHEARWALL SEE SHEAR WALL SCHEDULE SHEET S-1
 - 2'-3" SHEARWALL LENGTH
 - HFX-HARDY PANEL
 - 4X4 POST U.N.O.

S MAIN HOUSE ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"