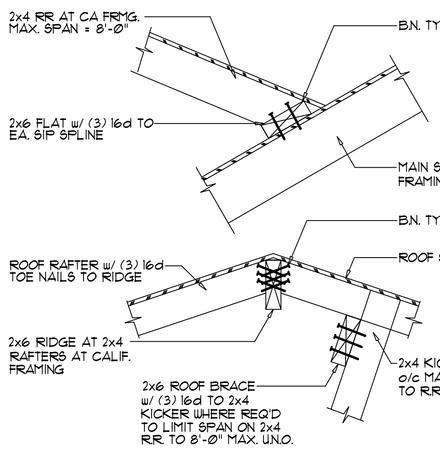
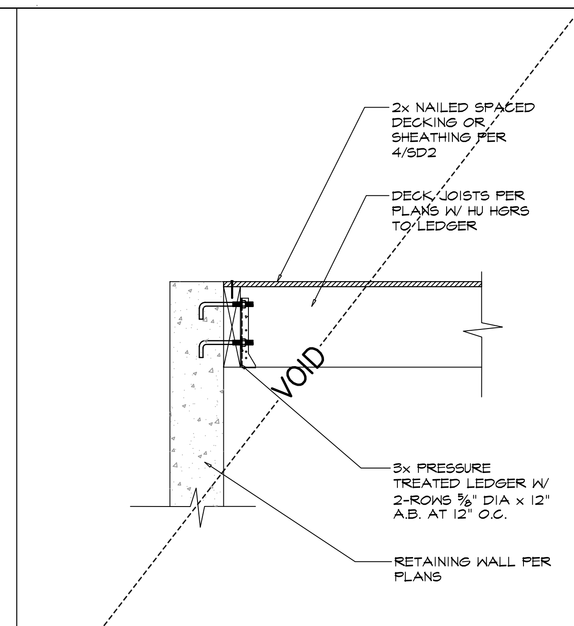


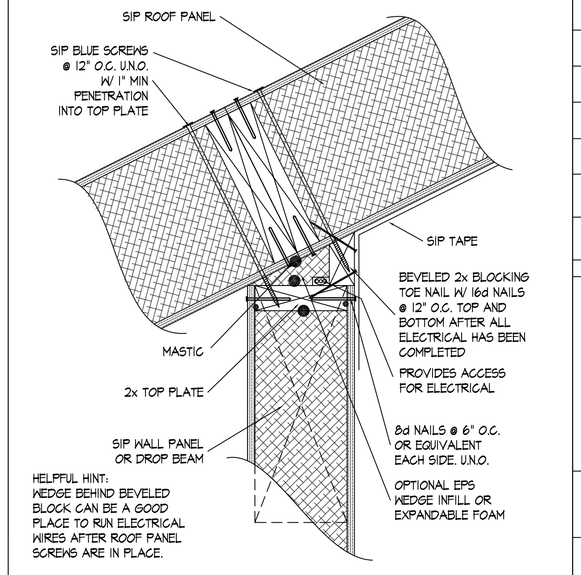
CALIFORNIA FRAMING

SCALE: N.T.S. - 12



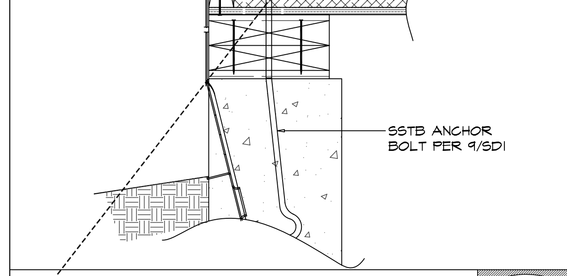
DECK LEDGER TO RETAINING WALL

SCALE: N.T.S. - 9



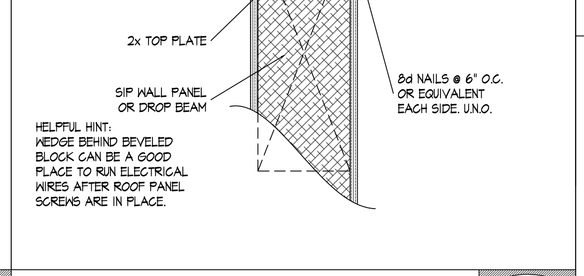
ROOF SIP SPLINE AT ALIGNED WALL

SCALE: N.T.S. - 6



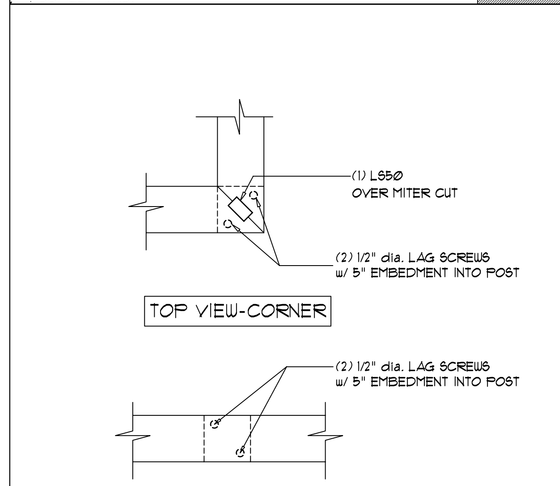
HOLDOWN AT RAISED FDN

SCALE: N.T.S. - 10



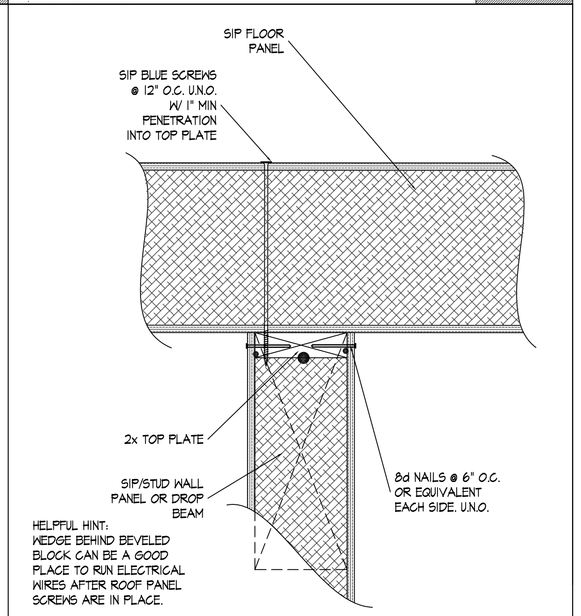
FLOOR SIP SPLINE AT WALL/BM

SCALE: N.T.S. - 7



POST TO BEAM CONNECTION

SCALE: N.T.S. - 11



BEARING WALL

SCALE: N.T.S. - 8

SHEAR WALL TYPE	PANEL DESCRIPTION	NAIL SIZE	EDGE NAILING	FIELD NAILING	FOUNDATION SILL PLATE	ALLOWABLE PLF	ANCHOR BOLT DIAMETER	ANCHOR BOLT LENGTH	ANCHOR BOLT SPACING	INTERIOR SHEAR WALL SILL PLATE NAILING
6 XX XX	3/8" WOOD STRUCTURAL PANEL	8d	6" o/c	12" o/c	2x	260	5/8"	PER IB/SDI	48" o/c	16d SHORT AT 4" o/c
4 XX XX	3/8" WOOD STRUCTURAL PANEL	8d	4" o/c	12" o/c	2x	350	5/8"	PER IB/SDI	40" o/c	(2) ROWS 16d SHORT AT 6" o/c
3 XX XX	3/8" WOOD STRUCTURAL PANEL	8d	3" o/c	12" o/c	2x	490	5/8"	PER IB/SDI	12" o/c	(2) ROWS 16d SHORT AT 4" o/c
2 XX XX	3/8" WOOD STRUCTURAL PANEL	8d	2" o/c	12" o/c	2x	600	5/8"	PER IB/SDI	10" o/c	1/4" x 3-1/2" SDS SCREW AT 4" o/c
1 XX XX	1/2" STRUCTURAL I WOOD STRUCTURAL PANEL	10d	2" o/c	12" o/c	3x	870	5/8"	PER IB/SDI	16" o/c	1/4" x 3-1/2" SDS SCREW AT 3" o/c W/ 2x PLATE
SW1	SIP PANEL w/ 7/16" STRUCTURAL I SHTG EACH SIDE OF EPS FOAM	8d	6" o/c	END POST: (1) RON AT 6" o/c	2x SILL PLATE 2x TOP PLATE	300	5/8"	PER IB/SDI	40" o/c	(2) ROWS 16d SHORT AT 6" o/c INTO RIM INT. & EXT. RAISED NAILS
SW2	SIP PANEL w/ 7/16" STRUCTURAL I SHTG EACH SIDE OF EPS FOAM	8d	4" o/c	END POST: (1) RON AT 4" o/c	2x SILL PLATE 2-2x OR 4x TOP PLATE W/ (2) ROWS OF E.N. AT 4" o/c	600	5/8"	PER IB/SDI	10" o/c	1/4"x3-1/2" SDS SCREW AT 4" o/c INTO RIM w/2x PLT. INT. & EXT. RAISED NAILS

SHEAR WALL NOTES: NOTES A, B, C, D, F, & G DO NOT APPLY TO SIP SHEAR WALLS)

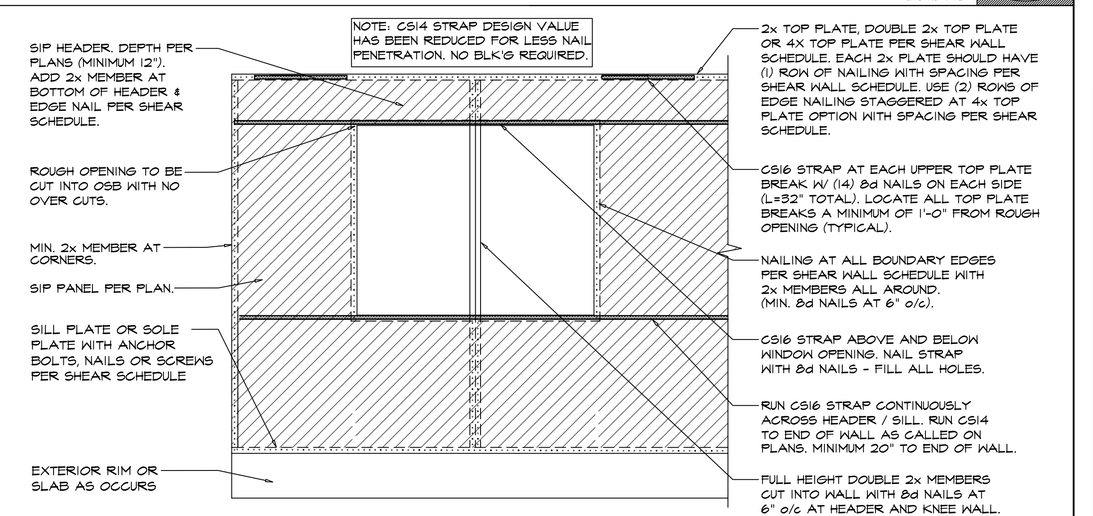
A. WOOD STRUCTURAL PANELS SHALL MEET THE REQUIREMENTS OF STRUCTURAL I OR DOC PS1 & PS2. THESE VALUES ARE FOR DOUGLAS FIR-LARCH WITH STUD SPACING AT 16" o.c., OTHER LUMBER SPECIES MAY DIFFER IN SHEAR CAPACITIES.
B. ALL PANEL EDGES TO BE BACKED WITH 2x OR WIDER FRAMING MEMBER. ALL TOP PLATE NAILING TO BE INTO "UPPER" TOP PLATE ONLY.
C. PER CBC TABLE 2306.4.1 FOOTNOTE H, WHERE PANELS ARE APPLIED TO BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" o.c., PANEL JOISTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR WIDER AND NAILS STAGGERED ON EACH SIDE. PROVIDE 3x FOUNDATION SILL AT ALL DOUBLE SIDED SHEAR WALLS.
D. FOR SHEAR WALL TYPE I, PROVIDE A SINGLE 3x MINIMUM MEMBER FOR FOUNDATION SILL PLATES. FOR SHEAR WALL TYPES 3, 2, AND 1, PROVIDE MINIMUM 3x POST OR BLOCKING AT ADJOINING PANEL EDGES AND STAGGER NAILS. PER CBC TABLE 2306.4.1 & SECTION 2305.3.11.
E. PROVIDE 3" x 3" x 1/4" STEEL PLATE WASHER AT EACH ANCHOR BOLT. PER CBC SECTION 2305.3.11, ANCHOR BOLTS FOR SHEAR WALL TYPES 3 AND 2 HAVE BEEN DESIGNED FOR 50% OF THEIR ALLOWABLE CAPACITY.
F. ALL 8d AND 10d NAILS LISTED IN TABLE ABOVE ARE TO BE COMMON. ALL NAILS FOR SOLE PLATE NAILING ARE TO BE 16d SHORT NAILS, 3-1/4" x .131" DIA. BLACK) OR LARGER. NAILING AT JOINT AND SILL PLATE SHALL BE STAGGERED FOR SHEAR WALL TYPES 3, 2, & 1.
G. REFER TO C.B.C. TABLE 2306.4.1 FOR VALUES IN TABLE ABOVE.

NAIL IDENTIFICATION:

NAIL	S.W. TYPES	NAIL SIZE	TRACKERS	EZ CODE
8d Common	SW1, SW2, 2, 3, 4, & 6	2-1/2" x .131"	Blue	I
10d Common	1	2-1/8" x .148"	Pink	V
16d Short	SW1, 3, 4, & 6	3-1/4" x .131"	Black	K

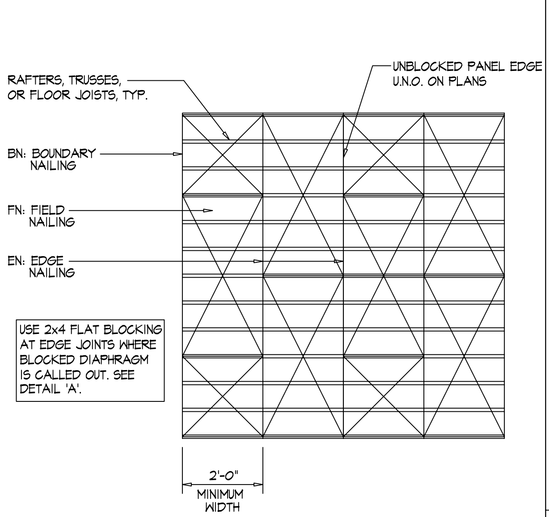
SHEAR WALL SCHEDULE

SCALE: N.T.S. 201.DWG - 1



WINDOW STRAP DETAIL
SIP WALL PANEL SPECIFICATIONS

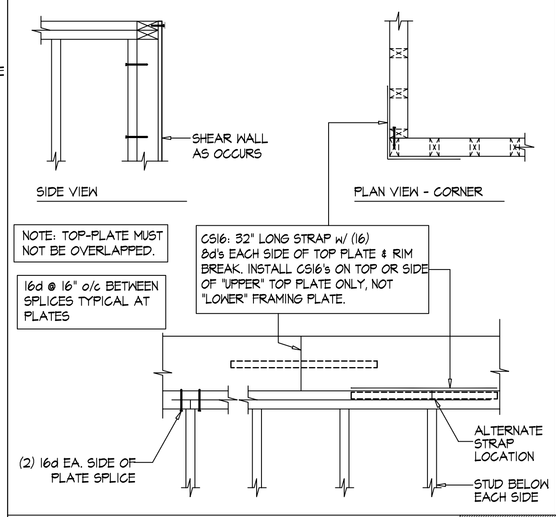
SCALE: N.T.S. 202.DWG - 2



1. RUN LONG DIMENSION OF PLYWOOD ACROSS (PERPENDICULAR TO) JOIST AND RAFTERS.
2. STAGGER END JOINTS 2'-0" MINIMUM.
3. BOUNDARY NAILING APPLIES TO PERIMETER PLATE LINES, CHORDS, TIES, AND AS CALLED FOR ON DRAWINGS.
4. SEE PLANS FOR NAILING.
5. NAILS SHALL HAVE MIN. 3/8" EDGE DISTANCE.
6. ALL JOISTS AND RAFTERS SHALL BE LAID OUT IN A 4'-0" MODULE TO COINCIDE WITH PLYWOOD.
7. USE TONGUE-AND-GROOVE PLYWOOD AT FLOORS UNLESS NOTED OTHERWISE.
8. SEE DETAIL 'B' FOR FRAMING WHERE PLYWOOD JOINTS ARE OFFSET DUE TO RAFTER OR JOIST LAP SPLICES.

HORIZONTAL PLYWOOD DIAPHRAGM DETAIL

SCALE: N.T.S. TYP203.DWG - 5



TYPICAL PLATE SPLICE AT ALL EXTERIOR WALLS & INTERIOR SHEAR WALLS

SCALE: N.T.S. TYP204.DWG - 3

MAXIMUM SPACING	PANEL DESCRIPTION	NAIL SIZE	EDGE NAILING	BOUNDARY NAILING	FIELD NAILING
FLOOR 16" o.c.	23/32" WOOD STRUCTURAL PANEL, T&G SHEATHING, PII 32/16	10d	6" o/c	6" o/c	10" o/c

NAIL IDENTIFICATION:

NAIL	NAIL SIZE	TrueSpec	EZ CODE
8d Common	2-1/2" x .131"	Blue	I
10d Common	2-3/8" x .148"	Lime	T

SHEATHING NOTES:

A. ALL ROOF AND FLOOR SHEATHING TO BE EXPOSURE 1 OR EXTERIOR PER TABLE 2306.3.1. 7/16" SHEATHING IS NOT STRUCTURALLY ACCEPTABLE FOR ROOF SHEATHING.
B. FOR FLOOR SHEATHING, WOOD STRUCTURAL PANEL SHALL BE UNDERLAYMENT GRADE. ALL FLOOR SHEATHING SHALL BE GLUED TO FRAMING.
C. ALL ROOF NAILS TO BE 8d (BLUE). ALL FLOOR NAILS TO BE 10d (LIME) IN LIEU OF 10d NAILS AT FLOOR SHEATHING, #8 x 2" LONG SCREWS MAY BE USED.
D. FOR ALL FLOOR SHEATHING, PANEL EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH BLOCKING. NOT REQUIRED WHEN LIGHTWEIGHT CONCRETE IS PLACED OVER SUBFLOOR.

HORIZONTAL ROOF AND FLOOR SHEATHING SCHEDULE

SCALE: N.T.S. TYP202.DWG - 4

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No:	Revision:	Date:
1	BDC/CL REV	10/27/08

MEKECHUK & SINCLAIR RESIDENCE

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MONTE SERENO, CA 95030

REGISTERED PROFESSIONAL ENGINEER SHAWN D. LOTHROP No. C66069 Exp. 6/30/2010 CIVIL STATE OF CALIFORNIA

SIP CUSTOM

SIP GENERAL DETAILS

DATE:	10/27/08
JOB NO.:	08-1126
SCALE:	NTS
SHEET #	SD2