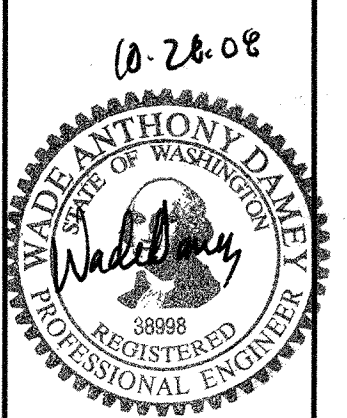


REVISIONS	BY
4/16/09-PERMIT	AWB

AWB
ENGINEERING
6353 39th Avenue SW
Seattle, WA 98136
206-650-6196

1054 HOUSE
1054 NE 97TH STREET
SEATTLE, WA 98115

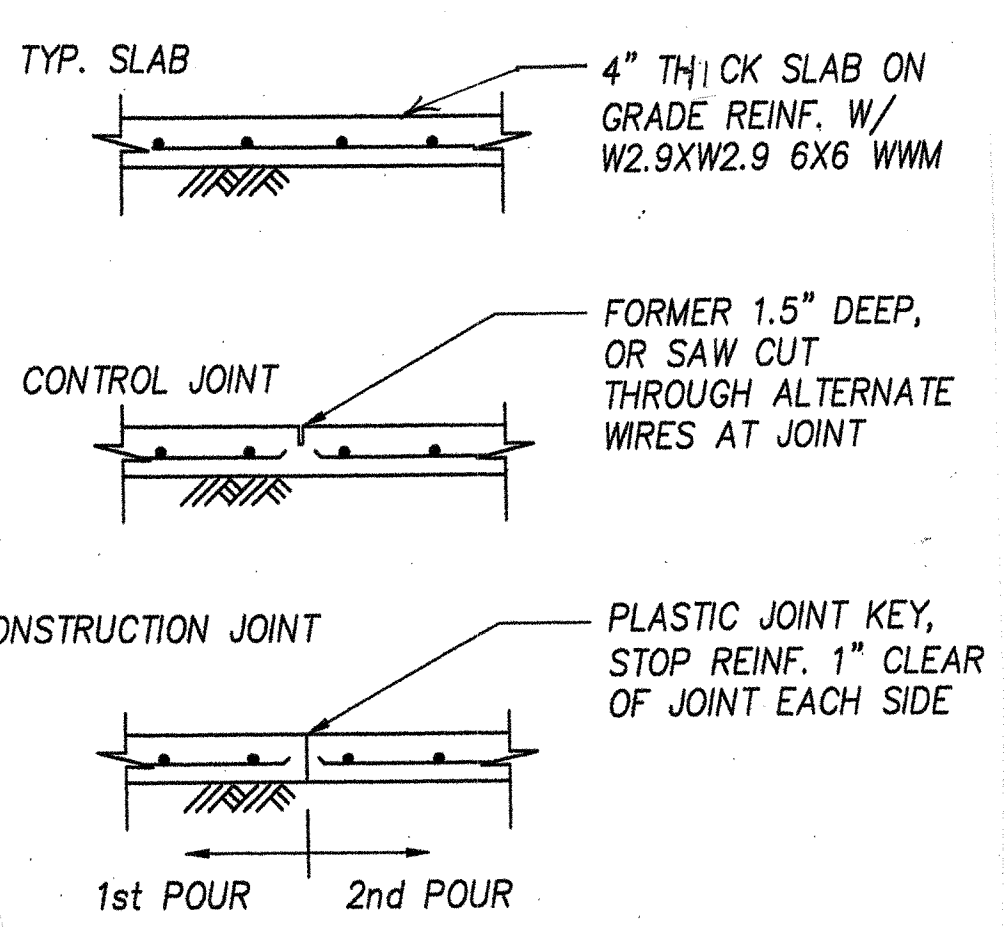


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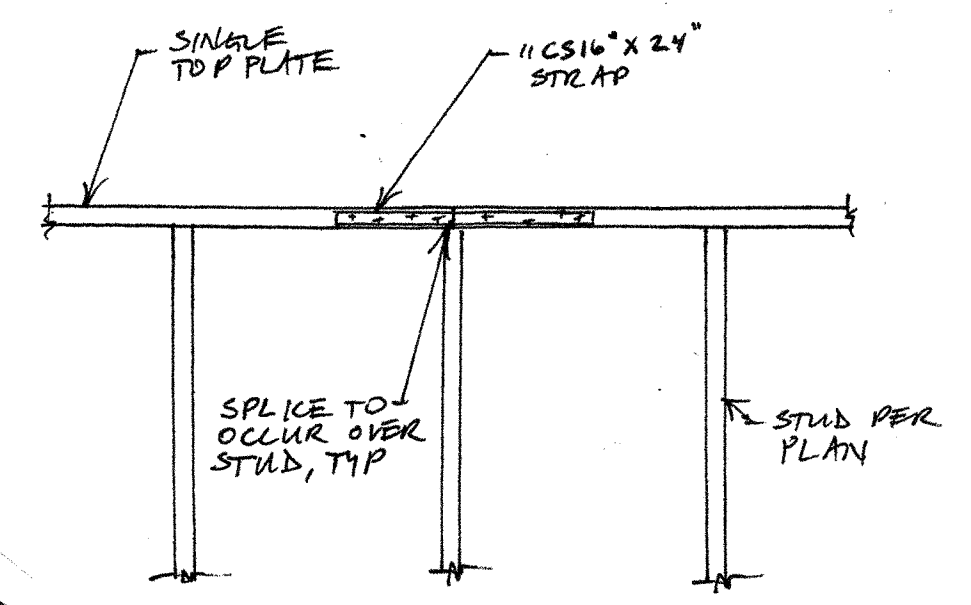
STRUCTURAL
DETAILS

Date 4/16/09
Scale
Drawn
Job
Sheet
Of 53.0
Sheets

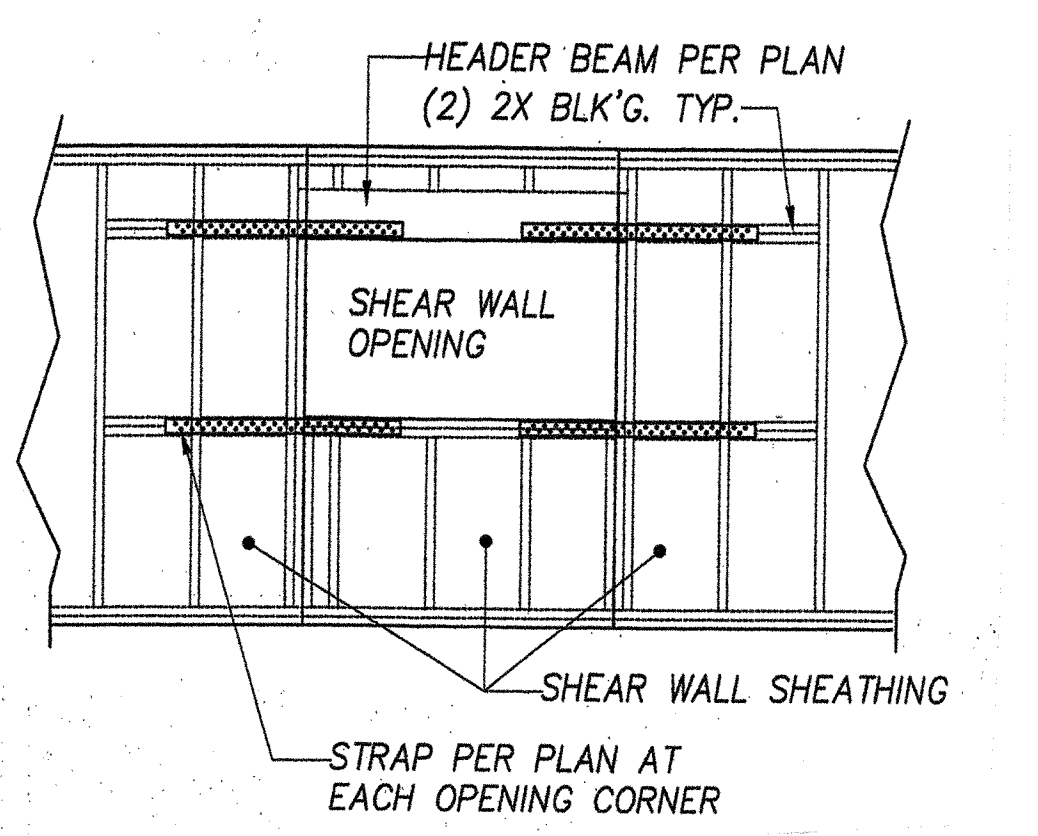
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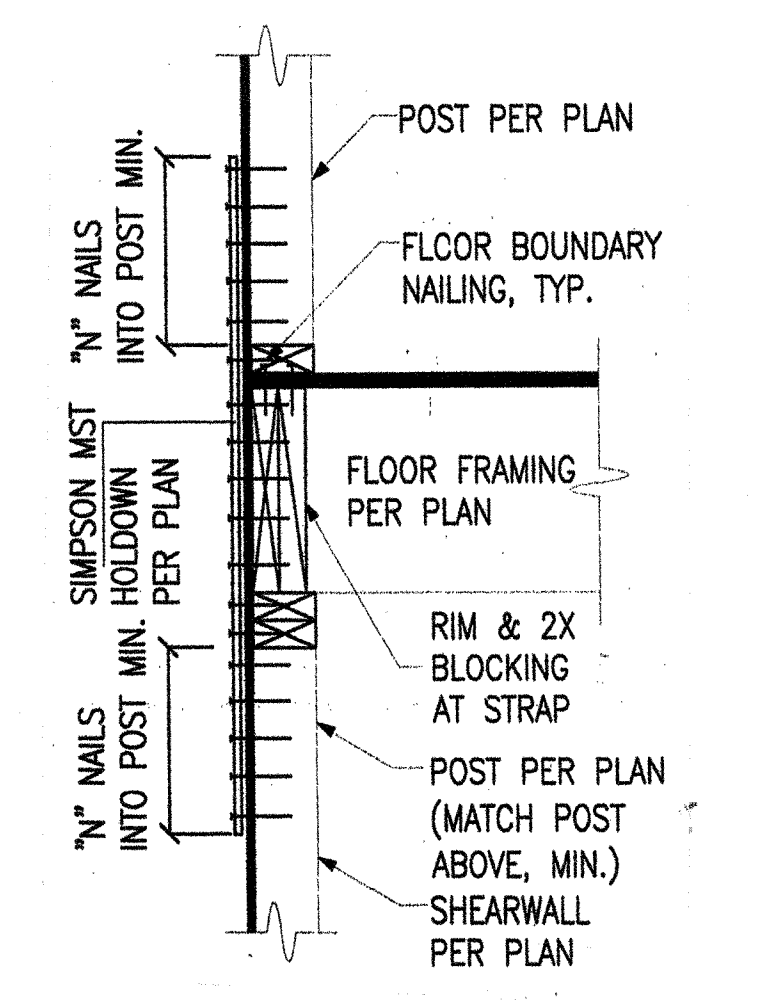
1 TYP. SLAB-ON-GRADE DETAIL
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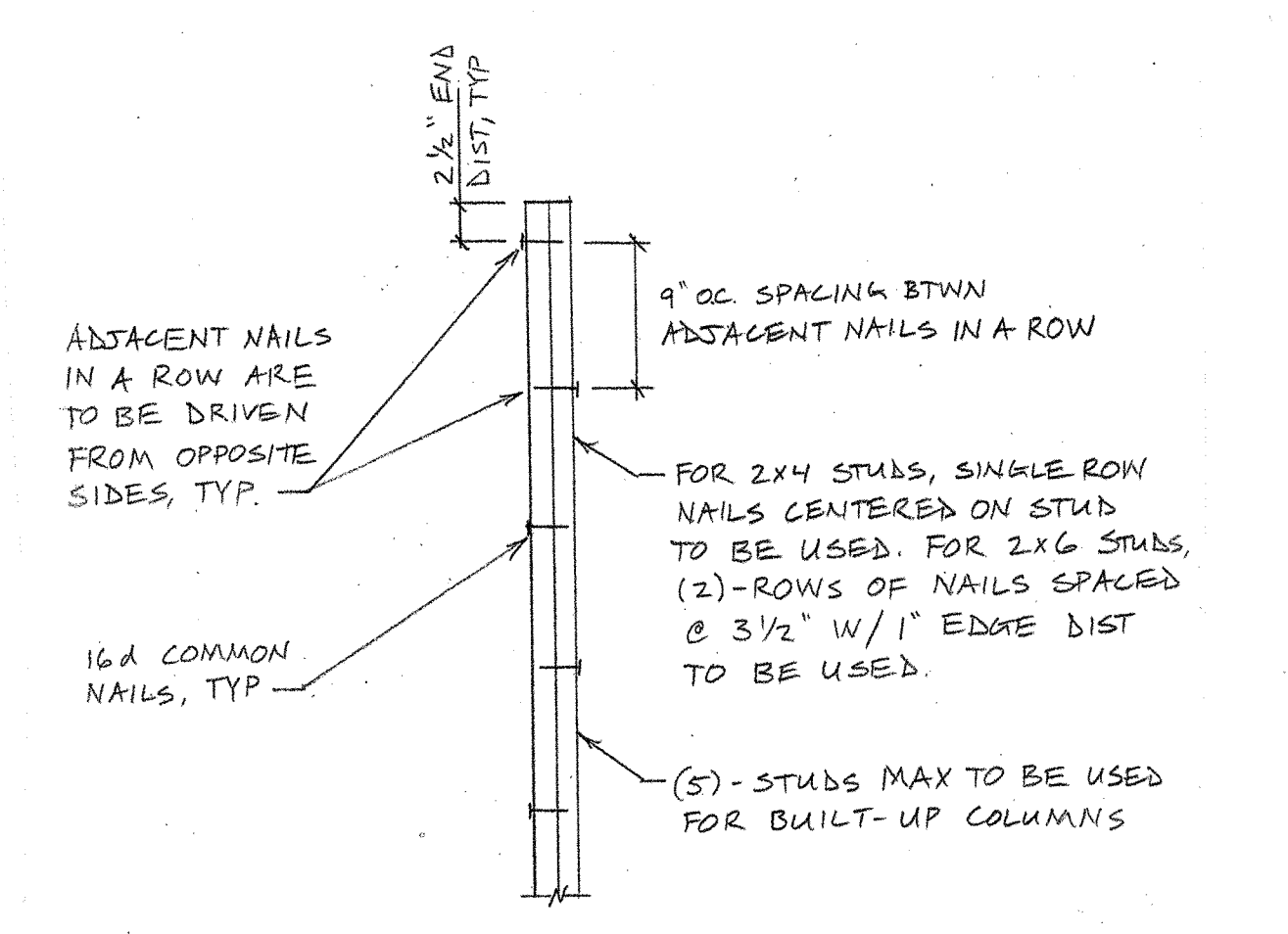
2 TYP. TOP PLATE LAP DETAIL
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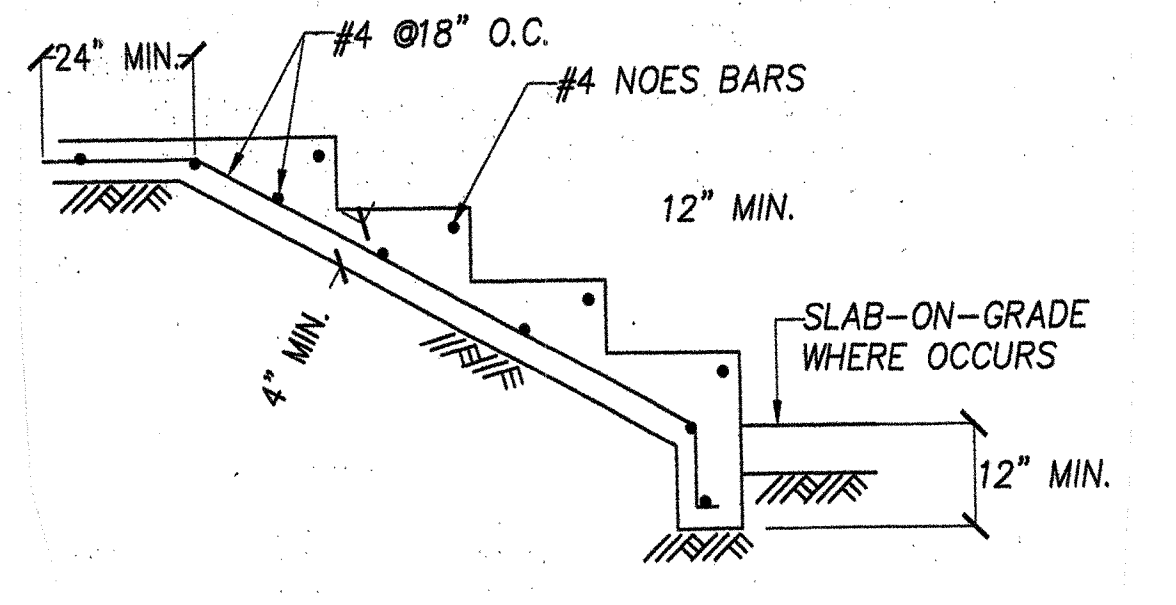
3 TYPICAL STRAPS AT SW OPENING
NTS



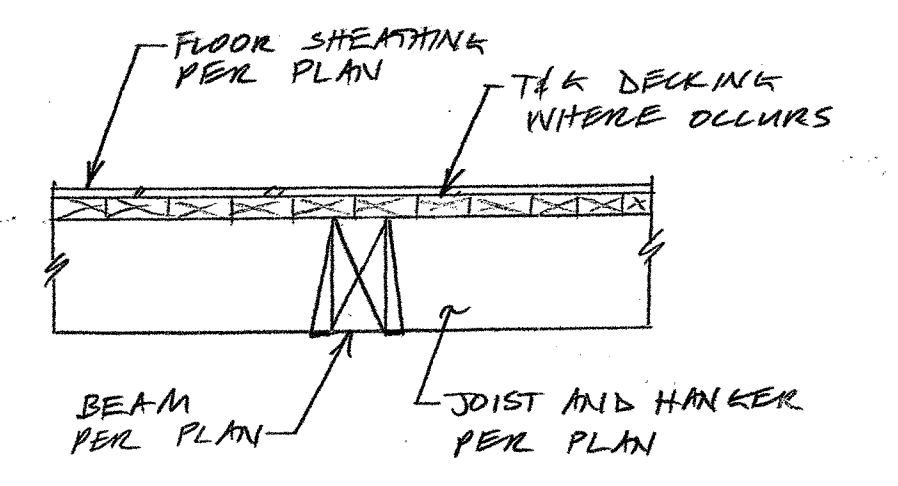
4 TYPICAL STRAP HOLDOWN
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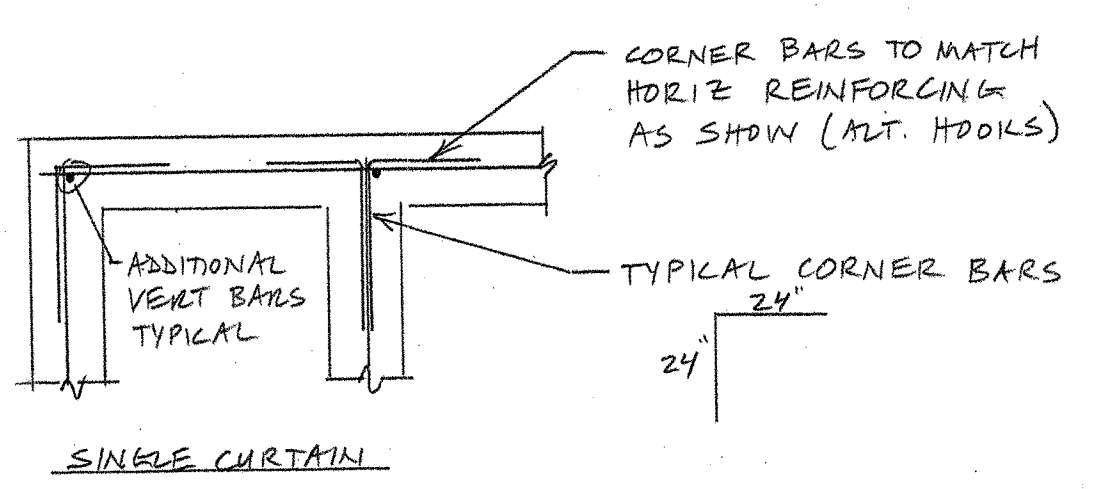
5 TYPICAL BUILT-UP COLUMN DETAIL
NTS



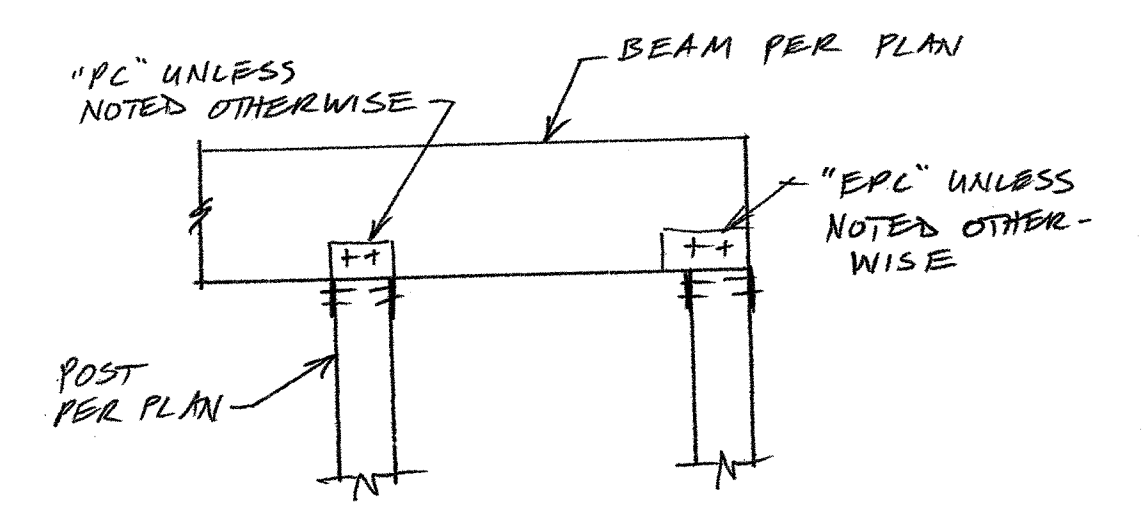
6 TYP. CONCRETE STAIR-ON-GRADE DETAIL
NTS



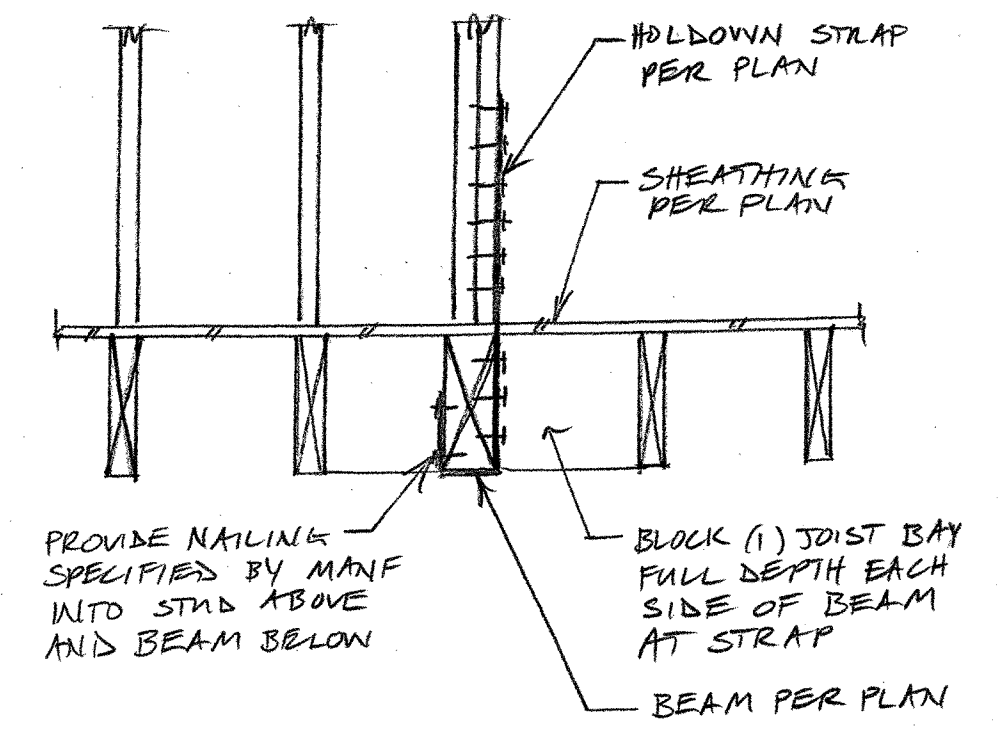
7 TYPICAL JOIST TO BEAM CONNECTION
NTS



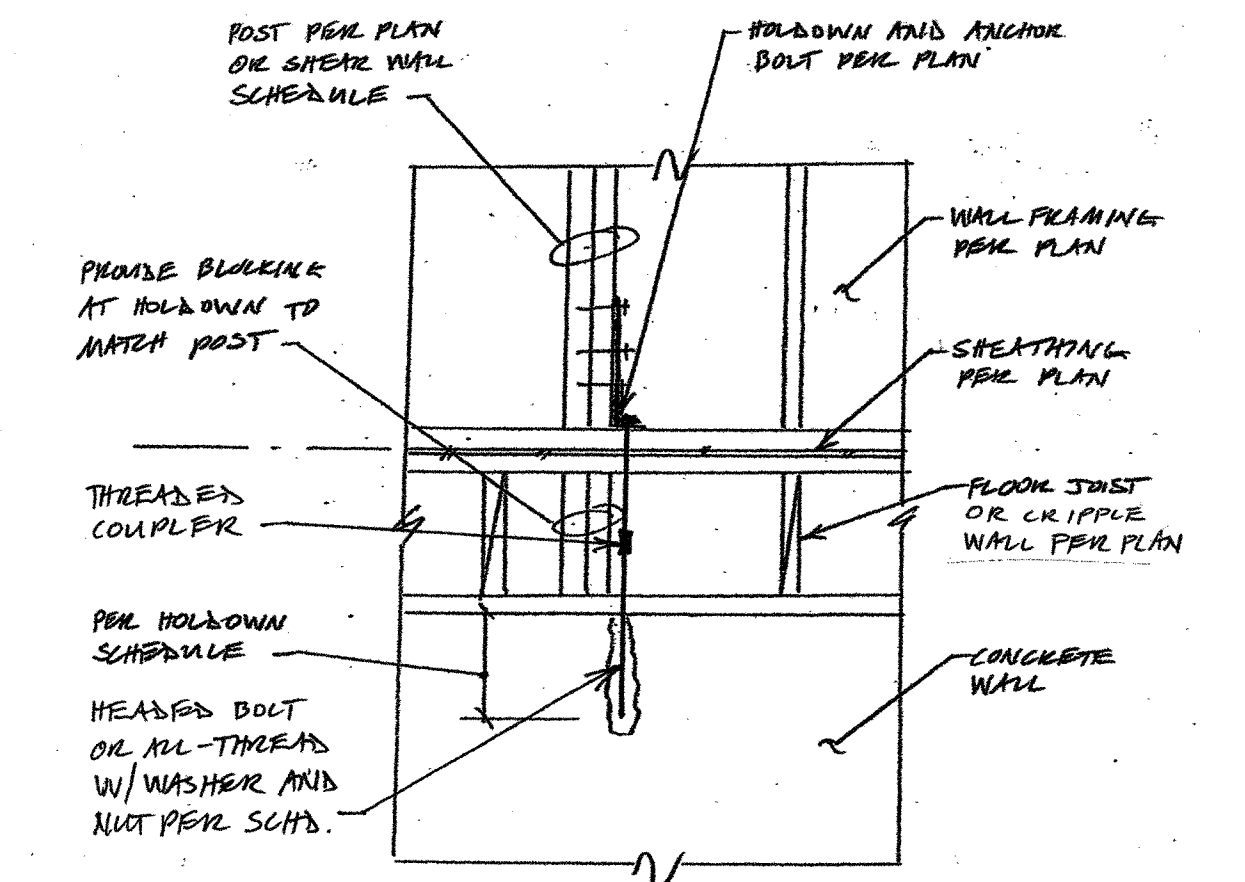
8 TYPICAL CORNER BARS AT CONC WALLS
NTS



9 TYPICAL BEAM TO POST CONNECTION
NTS



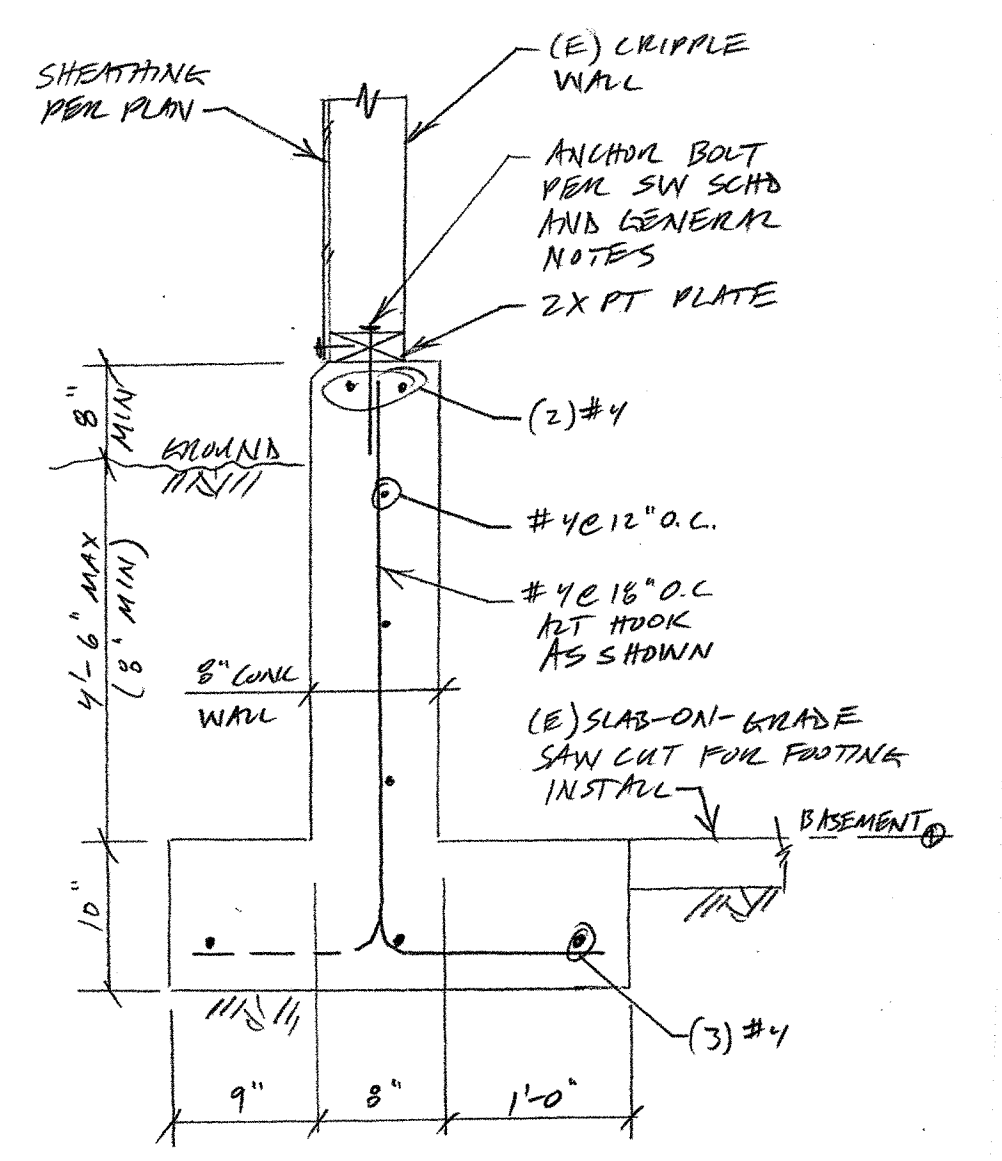
10 TYPICAL STRAP HOLDOWN AT BEAM
NTS



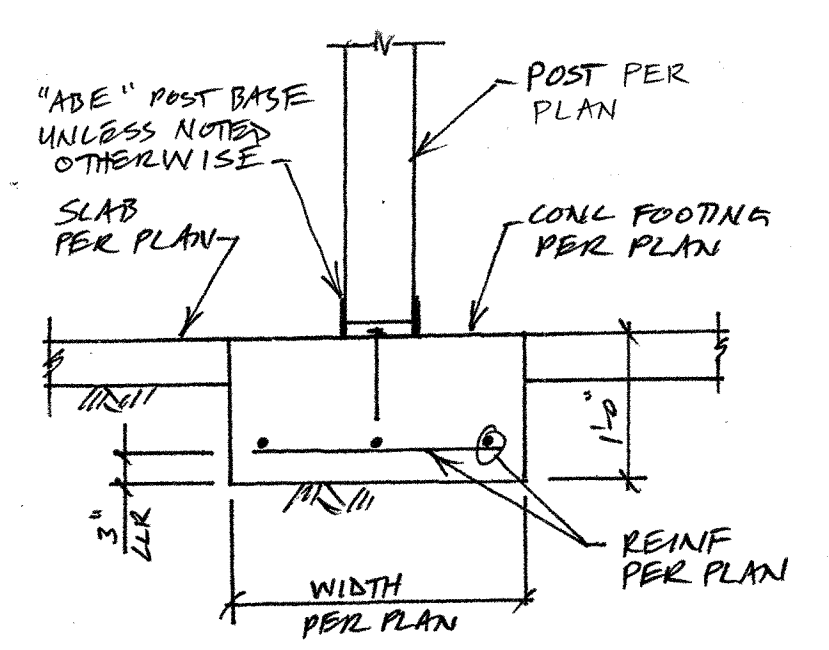
HOLDOWN SCHEDULE

PLAN MARK	ANCHOR BOLT	A.B. EMBED
HDL2	3/8" Ø	9"
HDL4	5/8" Ø	10"
HDL5	3/8" Ø	12"

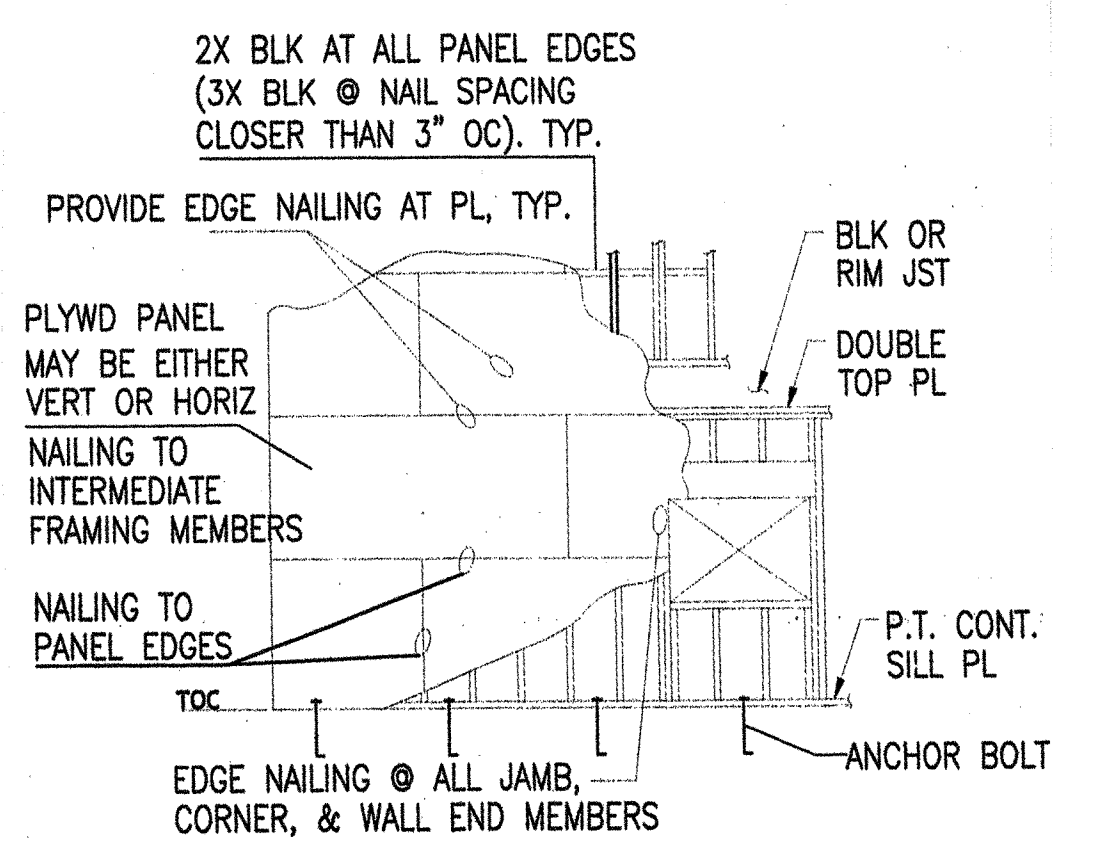
11 TYPICAL HOLDOWN DETAIL
NTS



12 TYPICAL BASEMENT WALL
1/2-1-0"



13 TYPICAL SPREAD FOOTING DETAIL
NTS



14 SHEAR WALL PLYWOOD SHEATHING LAYOUT AND SCHEDULE
NTS

Label	APA Rated Sheathing [1][2][4][12][13]	Nail Size & Spacing @ Edges [3][5]	Stud & Blocking Size @ Adjoining Edges [6][7][8]	Rim Joist or block connection to top plate [7][8]	2 X Bottom Plate Attachment Nailing To Wood Below [9]	Sill Plate Attachment Anchor Bolt to Concrete Below [10][11]	Sill Plate Size @ Foundation [11]	PLF Capacity, EQ/Wind w/ Hem-Fir
SW1	7/16" one side	0.131 x 2-1/2 @ 6" O.C.	2X	Clip @ 20" O.C.	148x 3-1/4" @ 6" O.C.	5/8" @ 36" O.C.	2X	242/339
SW2	7/16" one side	0.131 x 2-1/2 @ 4" O.C.	2X	Clip @ 16" O.C.	148x 3-1/4" @ 4" O.C.	5/8" @ 30" O.C.	2X	353/495
SW3	7/16" one side	0.131 x 2-1/2 @ 2" O.C.	3X	Clip @ 7" O.C.	148x 3-1/4" @ 2" O.C.	5/8" @ 16" O.C.	3X	632/885

Shear Wall Schedule Notes

[1] Install panels either horizontally or vertically

[2] Where sheathing is applied on both sides of wall, panel edge joints on 2x framing shall be staggered so that joints on the opposite sides are not located on the same studs.

[3] Blocking is required at all panel edges

[4] Provide shear wall sheathing and nailing for the entire length of the walls indicated on the plans. Ends of full height walls are designated by exterior of the building, corridors, windows, or doorways or as designated on plans. See plans for holddown requirements.

[5] Sheathing edge nailing is required at all holddown posts. Edge nailing may also be required to each stud used in built-up holddown posts. Refer to the holddown details for additional information.

[6] Intermediate framing to be with 2x minimum members. Field nailing 12" O.C.

[7] Based on 0.131 x 1-1/2" long nails used to attach framing clips directly to framing. Use 0.131 x 2-1/2" nails where installed over sheathing

[8] Simpson Strong-Tie Framing clips A35 or LTP5 or approved equivalent, unless noted otherwise

[9] Where plate attachment specifies (2) rows of nails, provide double joint, rim or equal. Attach per details.

[10] (In Seismic Design Categories D & E) Anchor bolts shall be provided with steel plate washers 1/4" x 3" x 3". Embed anchor bolts 7" minimum into the concrete.

[11] Pressure treated material can cause excessive corrosion in the fasteners. Provide hot-dipped galvanized (electro-plating is not acceptable) nails and connector plates (framing angles, etc.) for all connectors in contact with pressure treated framing members.