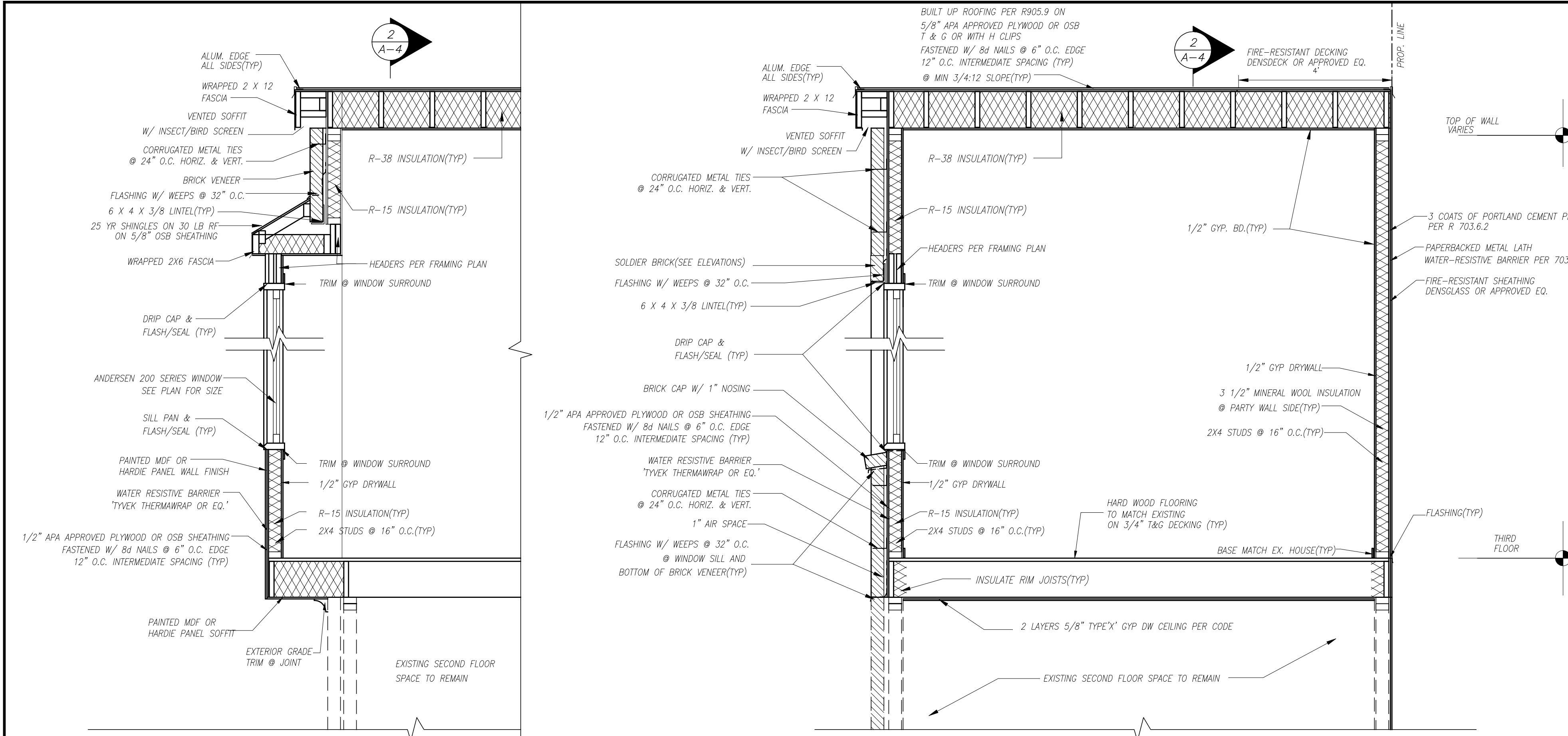
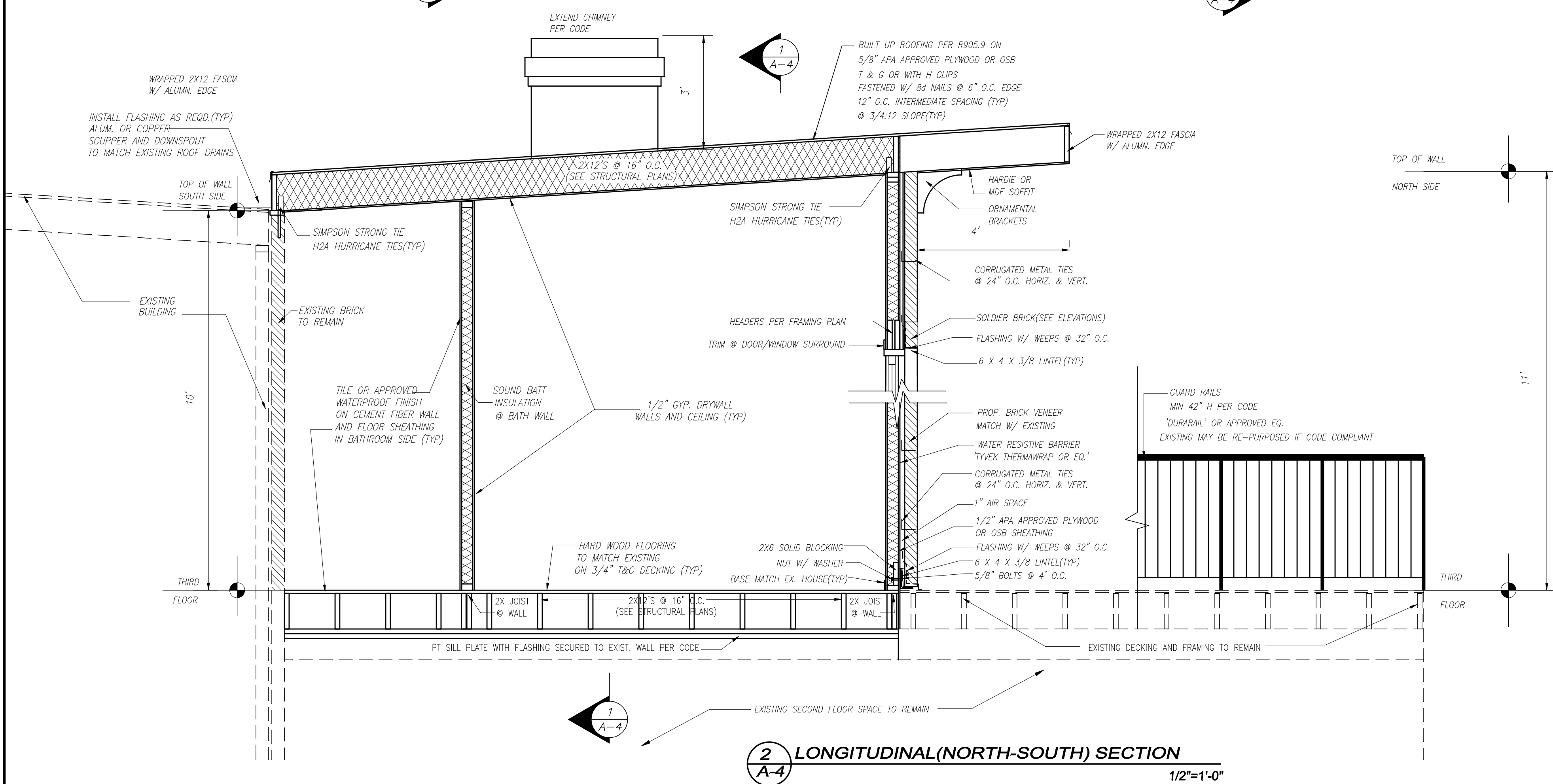




CROSS SECTION @ BAY WINDOW

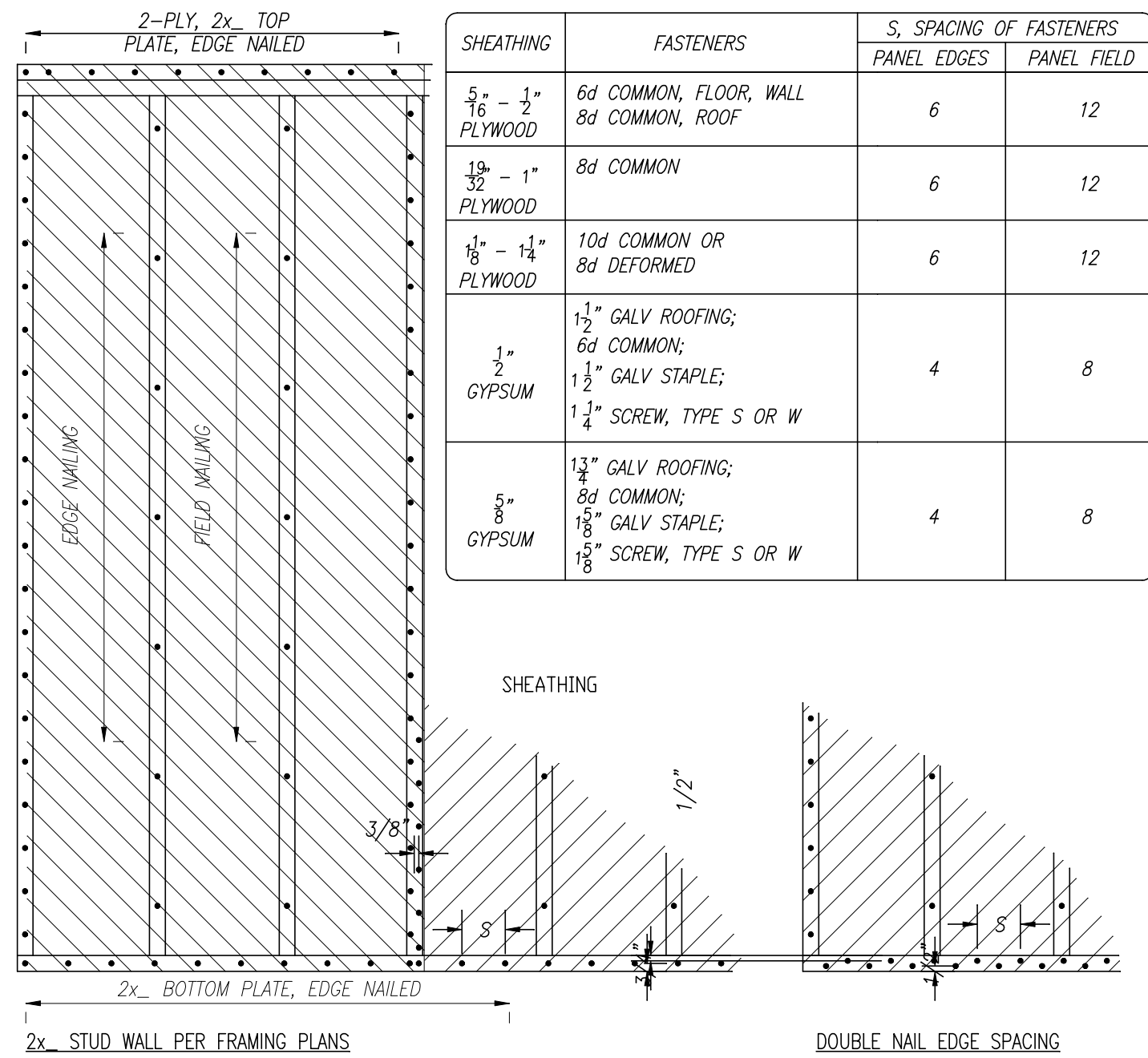
CROSS (EAST-WEST) SECTIONS

CROSS SECTION @ BEDROOM



LONGITUDINAL(NORTH-SOUTH) SECTION

SHEATHING FASTENING SCHEDULE



SCHEDULE OF CONSTRUCTION MATERIALS

CONCRETE	LOCATION		COMP. STRENGTH	SLUMP				
	BASEMENT WALLS & FDN NOT EXPOSED TO WEATHER		3,000 psi (1)	4" +/- 1"				
	BASEMENT SLABS AND INTERIOR SLABS ON GRADE		3,000 psi	4" +/- 1"				
	BASEMENT WALLS, FDNS, EXTERIOR WALLS & OTHER CONCRETE EXPOSED TO WEATHER		3,000 psi (2)	4" +/- 1"				
	DRIVEWAYS, CURBS, WALKS, PATIOS, STEPS AND UNHEATED GARAGE FLOORS EXPOSED TO WEATHER		3,500 psi (2)	4" +/- 1"				
NOTES: 1. EXTERIOR, WEATHER-EXPOSED CONCRETE & CONCRETE SUBJECTED TO FREEZE AND THAW CONDITIONS DURING CONSTRUCTION SHALL BE AIR-ENTRAINED, 6% +/- 1%. 2. CONCRETE SHALL BE AIR-ENTRAINED, 6% +/- 1%.								
MASONRY	MATERIAL	SPECIFICATION						
	HOLLOW CMU	NORMAL WEIGHT: ASTM C90, GRADE N, Fm= 1,500 psi						
	FACE BRICK	ASTM C216, SEVERE WEATHER BRICK, TYPE FBX, Fm=2,000 psi						
	STONE VENEER	OWNER APPROVED						
	CONCRETE BRICK	ASTM C95 TYPE 1, GRADE B						
	SOLID CMU	NORMAL WEIGHT: ASTM C145, GRADE N						
	MORTAR: SINGLE WYTHE ABOVE GRADE	ASTM C270 PROJECTION SPECIFICATION MORTARS SHALL CONSIST OF TYPE 1 PORTLAND CEMENT, TYPE S HYDRATED LIME AND APPROVED AGGREGATE, w/1,800 psi MIN. AVERAGE COMPRESSIVE STRENGTH OF 2" CUBES AT 28-DAYS.						
	MORTAR: SINGLE WYTHE BELOW GRADE	ASTM C270 PROJECTION SPECIFICATION MORTARS SHALL CONSIST OF TYPE 1 PORTLAND CEMENT, TYPE M HYDRATED LIME AND APPROVED AGGREGATE, w/2,500 psi MIN. AVERAGE COMPRESSIVE STRENGTH OF 2" CUBES AT 28-DAYS.						
	MORTAR: VENEER	ASTM C270 PROJECTION SPECIFICATION MORTARS SHALL CONSIST OF TYPE 1 PORTLAND CEMENT, TYPE N HYDRATED LIME AND APPROVED AGGREGATE, w/750 psi MIN. AVERAGE COMPRESSIVE STRENGTH OF 2" CUBES AT 28-DAYS.						
	REINFORCING STEEL	MATERIAL	SPECIFICATION					
REBAR		HIGH STRENGTH NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60 (60,000 psi) - DEFORMED						
WELDED WIRE FABRIC		ASTM A-185						
PROTECTION								
LOCATION			CLEAR COVER (IN)					
FOOTINGS AND OTHER CONCRETE POURED AGAINST EARTH			3"					
FORMED CONCRETE EXPOSED TO EARTH			2"					
FORMED CONCRETE NOT EXPOSED TO WEATHER OR EARTH			1 1/2"					
SLABS ON GROUND, UNLESS OTHERWISE NOTED			MID-DEPTH OF SLAB					
REINFORCED MASONRY WALLS			MID-DEPTH OF WALL					
WOOD	DIMENSION AND STRUCTURAL COMPOSITE LUMBER DESIGN VALUES (1)							
	MATERIAL	F _b	F _t	F _v	F _{c, I}	F _{c, II}	E x 10 ⁶	
	UNTREATED FRAMING (DESIGN VALUES ARE BASED ON SPF No.2.)	2x, 3x, OR 4x	875	450	135	425	1150	1.4
		5x5 AND LARGER (B)	600	300	125	425	425	1.0
		5x5 AND LARGER (P)	500	325	125	425	500	1.0
	TREATED FRAMING (DESIGN VALUES ARE BASED ON SYP No.2.)	2x4	1500	825	175	565	1650	1.6
		2x6	1250	725	175	565	1600	1.6
		2x8	1200	650	175	565	1550	1.6
		2x10	1050	575	175	565	1500	1.6
		2x12	975	550	175	565	1450	1.6
		5x5 & LARGER	850	550	165	375	525	1.2
	ENGINEERED WOOD PRODUCT SPECIFICATIONS							
	PLYWOOD/OSB	DOC P51, DOC P52, CSA0437 OR CSA0325 ADVANTYTECH, STRUCTURE WOOD NOT ALLOWED.						
	1. DESIGN VALUES ARE FOR NORMAL LOAD DURATION AND DRY SERVICE CONDITIONS. SEE NDS OR MANUFACTURES SPECIFICATION FOR APPROPRIATE DESIGN VALUE ADJUSTMENT FACTORS.							

WALL BRACING: METHOD 3 (WSP)

ALL PROPOSED WOOD FRAMING MINIMUM SPF GRADE 2.

FRAMING FASTENING SCHEDULE

MARK	CONNECTION	FASTENING
1	DOUBLE TOP PLATE, FACE NAIL	10d @ 24"oc
2	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	16d TOENAILS @ 6"oc (MIN 2 PER BLOCK)
3	CEILING JOISTS TO PLATE, TOE NAIL	(2) 16d
4	CEILING JOIST/COLLAR TIE TO RAFTER, FACE NAIL	(6) 16d (MIN)
5	RAFTER / TRUSS TO PLATE, TOE NAIL	(3) 16d
6	BLOCKING TO JOIST OR RAFTER, EACH END	(2) 16d, TOE NAIL OR (2) 16d, END NAIL
7	STUD TO SOLE PLATE, END NAIL	2x4 (2) - 16d 2x6 (3) - 16d 2x8 (4) - 16d 2x10 (5) - 16d 2x12 (6) - 16d
8	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL SEGMENTS, FACE NAIL	3-16d @ 16"oc 4-16d @ 19.2"oc OR 5-16d @ 24"oc
9	SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	2-16d @ EACH JOIST OR BLOCKING
10	SOLE PLATE TO RIM BOARD, FACE NAIL	16d @ 16"oc
11	RIM BOARD TO TOP/ SILL PLATE, TOE NAIL	10d @ 8"oc
12	JOIST TO RIM BOARD, END NAIL	(3) 16d
13	JOIST TO TOP / SILL PLATE OR GIRDER, TOE NAIL	(2) 16d
14	SILL PLATE TO FOUNDATION WALL	3/4" ANCHOR BOLTS (7" MIN EMBEDMENT INTO WALL) @ 48"oc (MAX) (MIN 2 PER PLATE, WITH 1 WITHIN 12" OF END OF PLATE)
15	TOP PLATE LAPS SPICE, FACE NAIL (4"-0" MINIMUM)	(8) 16d
16	DOUBLE STUDS, FACE NAIL (STAGGER)	10d @ 12"oc EACH FACE
17	JACK STUD TO KING STUD, FACE NAIL (STAGGER)	10d @ 12"oc EACH FACE
18	KING STUD TO HEADER, FACE NAIL - EACH PLY	(3) 16d
19	CONTINUED HEADER, TWO PIECES	16d @ 16"oc ALL EDGES & 4-16d NAILS AT ENDS
20	BUILT UP HEADER, TWO PLIES WITH 1/2" SPACER	16d @ 16"oc ALL EDGES & 4-16d NAILS AT ENDS
21	TOP PLATE LAP AT WALL INTERSECTION, FACE NAIL	(2) 10d
22	CEILING JOIST TO JOIST, LAP OVER PARTITION	(5) 10d FACE NAILS
23	RAFTER TO RIDGE, VALLEY OR HIP RAFTER	(3) 16d FACE NAILS, (4) 16d TOE NAILS
24	BUILT-UP CORNER STUDS (THREE STUDS MINIMUM)	16d @ 16" OC
25	BUILT-UP BEAM AND GIRDERS, 2-INCH LUMBER LAYERS, NAILING PER LAYER	16d @ 16"oc ALL EDGES & 4-16d NAILS AT ENDS AND SPICES
26	INTERMEDIATE SUPPORT POST TO HEADER, TOE NAIL	(2) 16d EACH PLY OF POST