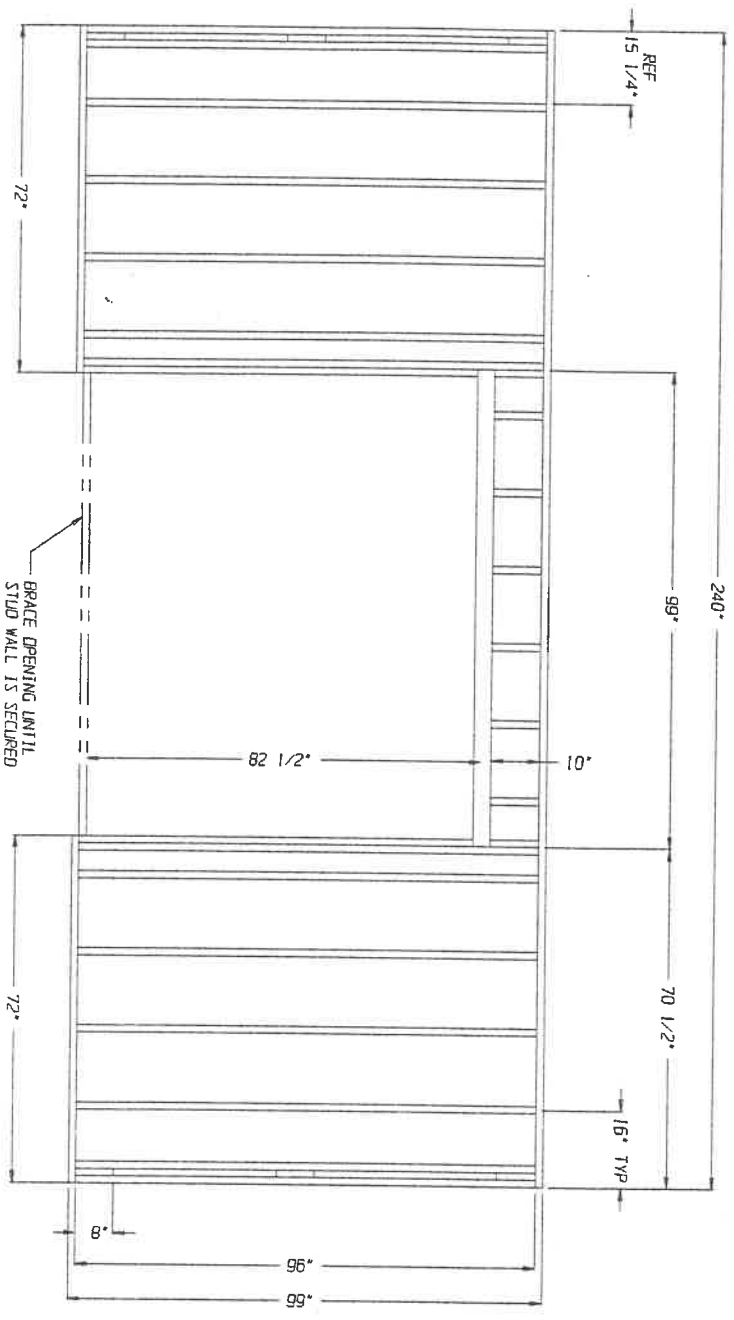


926 W. Pennine

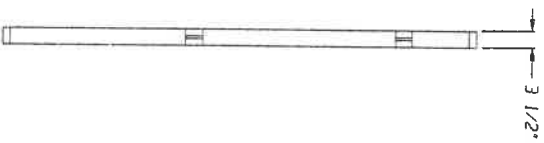
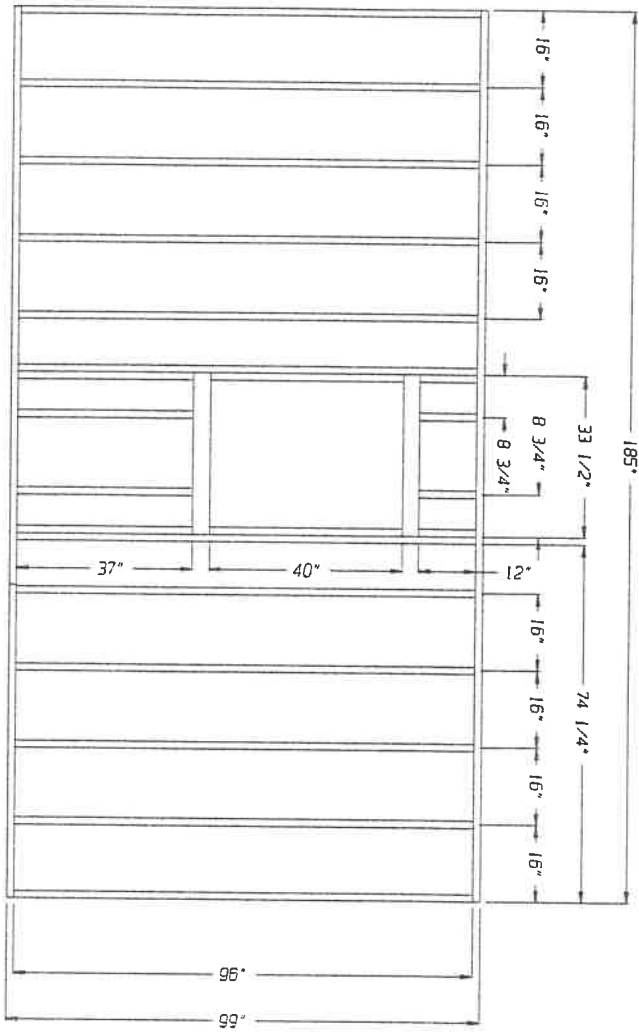
8/29/00



EAST WALL - SHACK DOORS
 1/4" = 12' - 9/10/97
 RICK B.

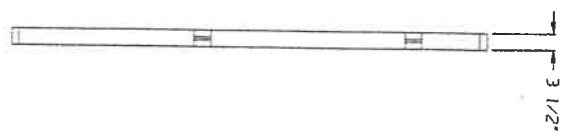
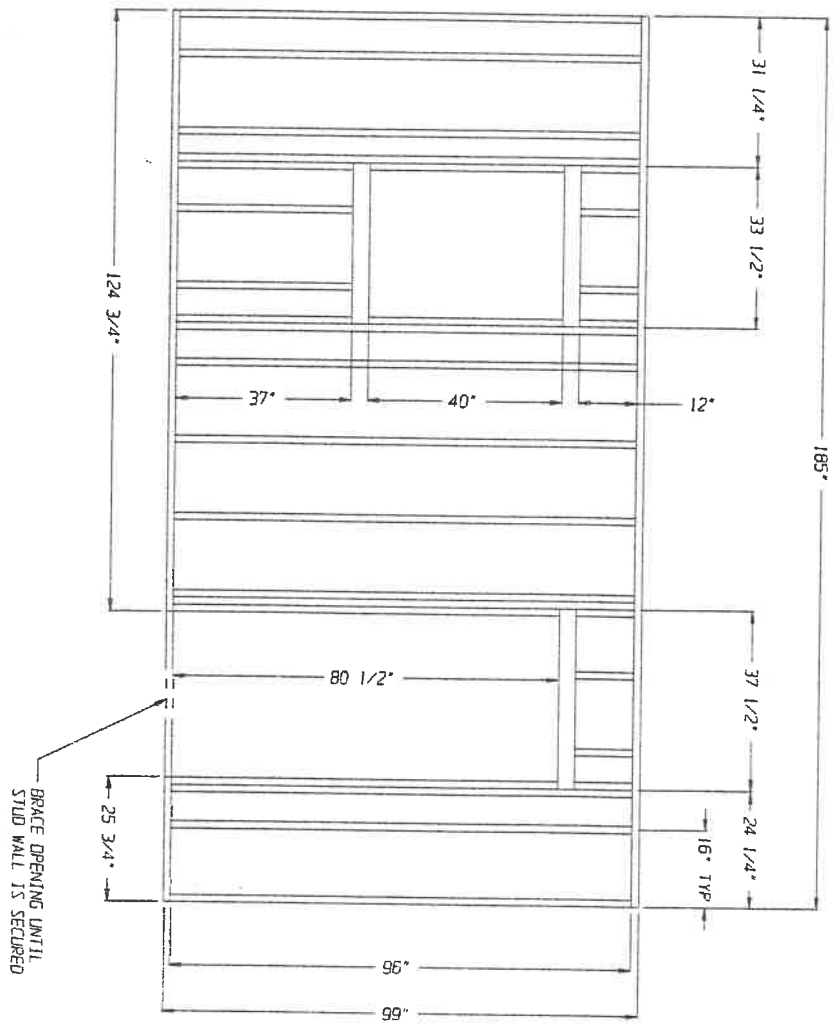


3 1/2"



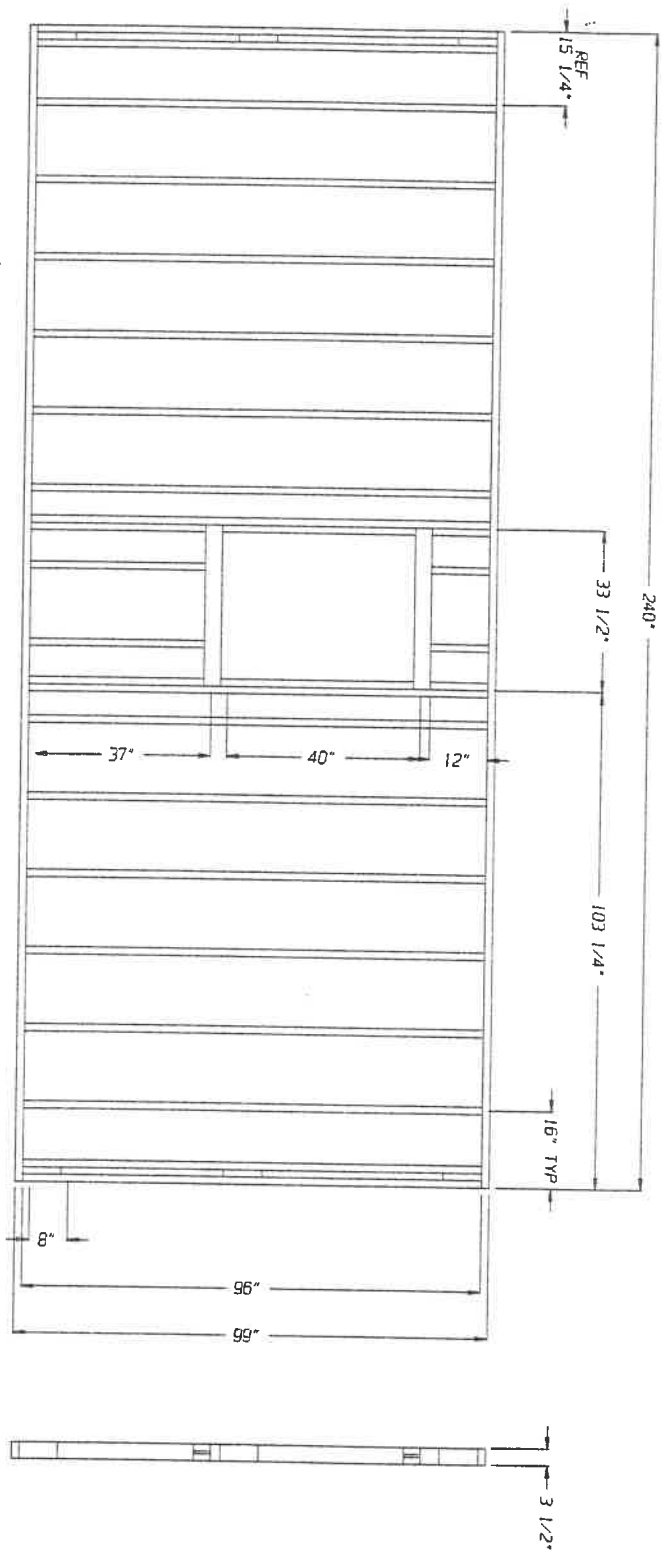
N
↑

NORTH WALL
1/4" = 12' - 9/10/97
RICK B.

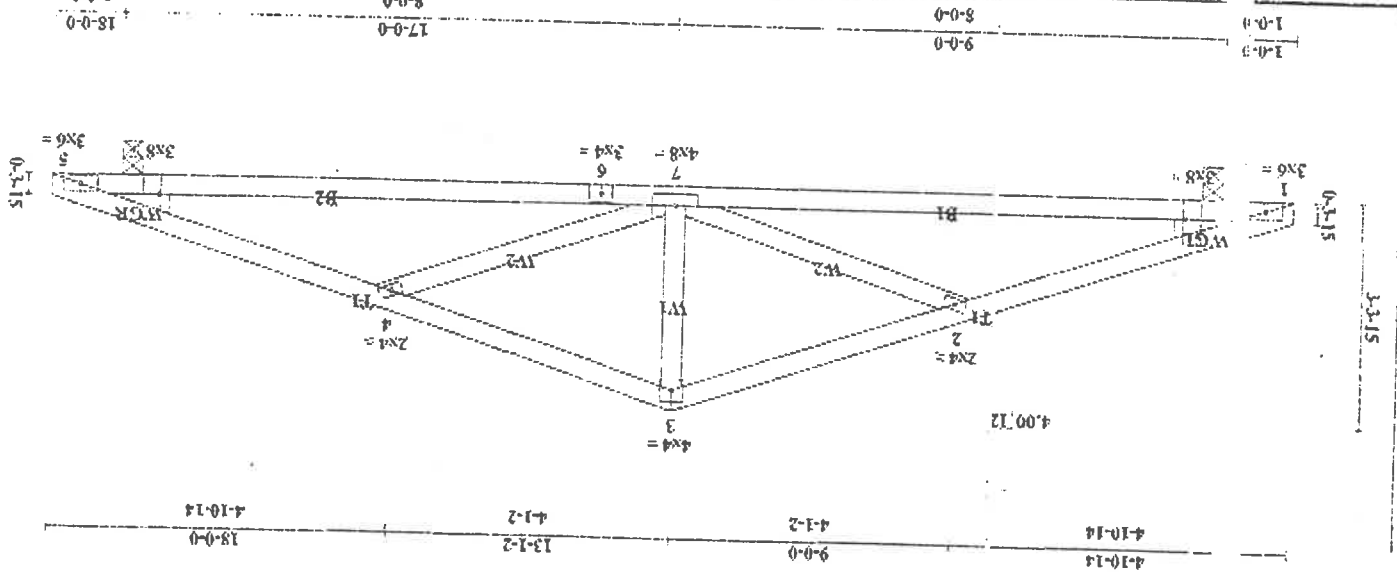


N

FRONT WALL
 1/4" = 12" - 9/10/97
 RICK B.



WEST WALL
 1/4" = 12' - 9/10/97
 RICK B.



LOADING (psf)	SPACING	CSI	DEFL (in) (occ) Wden	Vert(LL) 0.15 7/6 999	Horz(TL) 0.04 5 n/a	Min Length / LL defl = 380	Weight: 61 (lbs)
TCLL 25.0	1'-0"	1'-0"	0.31	0.15 7/6 999	0.04 5 n/a	380	PLATES GRIP M20(20g) 169/163
TCDL 10.0	1'-0"	1'-0"	0.31	0.15 7/6 999	0.04 5 n/a	380	
BCLL 0.0	1'-0"	1'-0"	0.31	0.15 7/6 999	0.04 5 n/a	380	
BCDL 10.0	1'-0"	1'-0"	0.31	0.15 7/6 999	0.04 5 n/a	380	

LUMBER
 TOP CHORD 2 X 4 SPF No.2
 BOT CHORD 2 X 4 SPF No.2
 WEBS 2 X 4 ESW-G Stud
 OTHERS 2 X 4 ESW-G Stud
 WEDGE Let: 2 X 4, Right 2 X 4

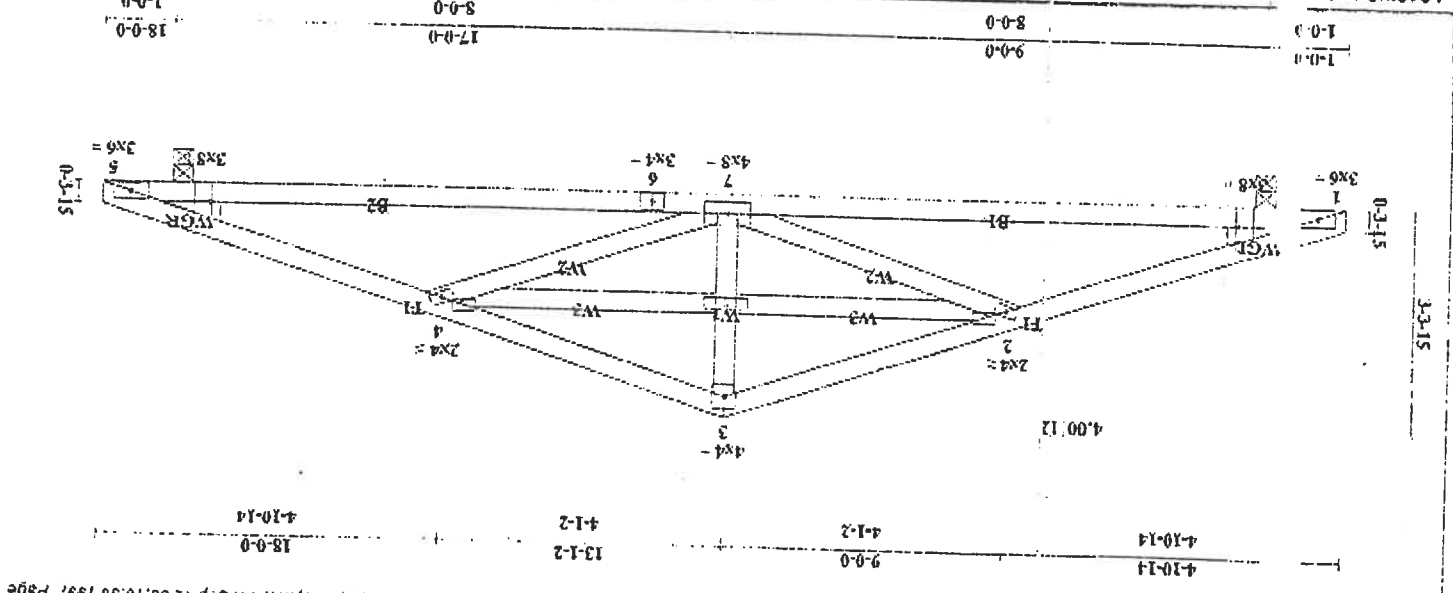
REACTIONS
 (b: size) 1=197/0-9-8, 5=197/0-3-8
 Mix Horz 1=12(load case 3)
 Mix Uplift 1=12(load case 2), 5=12(load case 3)

FORCES
 TOP CHORD 1-2=1846, 2-3=1228, 3-4=1228, 4-1=1846
 BOT CHORD 5-6=564, 6-7=1664, 7-1=1554
 WEBS 2-7=418, 3-7=487, 4-7=418

NOTES
 1) This truss has been designed for the wind loads generated by 80.0 m.p.h. winds at 25.0 feet above ground level, using 7.0 p.s.f. top chord dead load and 10.0 p.s.f. bottom chord dead load, 100.0 miles from hurricane oceanic, on a category I enclosed building, of dimensions 45.0 by 24.0 with exposure C (ASCE 7-93). Lumber increase = 1.33, Plate increase = 1.31. Both end verticals are exposed.
 2) SIMPSON H2.S connectors recommended to connect truss to bearing walls due to uplift as follows: One connector at joint(s) 1, 5.
 3) A plate rating reduction of 20% has been applied for the green lumber members.
 4) This truss has been designed with ANSITP 1-1995 criteria.

BRACING
 TOP CHORD Sheathed or 3-T on center purlin spacing
 BOT CHORD Rigid ceiling directly applied, or 5-6-8-3-0, 6-7-8-3-0, 8-7-8-3-0 on center bracing.

LOAD CASE(S): Standard



LOADING (psf)	SPACING	CSI	DEFL (in)	Wt (lb)
TCLL 25.0	Plates Increase 1.15	TC 0.31	Vert(L) 0.15	PLATES GRIP 169/163
TCDL 10.0	Lumber Increase 1.15	BC 0.82	Horz(TL) 0.04	M20(20gn) 169/163
BCLL 0.0	Rep Stress Incr YES	WB 0.37	Min Length / LL defl = 360	
BDDL 10.0	BCA			

LUMBER
 TOP CHORD 2 X 4 SPF No.2
 BOT CHORD 2 X 4 SPF No.2
 WEBS 2 X 4 ESW-G Stud
 OTHERS 2 X 4 ESW-G Stud
 WEDGE Let: 2 X 4, Right: 2 X 4
REACTIONS (lb size)
 Mx Horiz = 172 (load case 3)
 Mx Uplift = 32 (load case 2), 5 = 32 (load case 3)
FORCES
 TOP CHORD 1-2 = 1648, 2-3 = 1228, 3-4 = 1228, 4-1 = 1648
 BOT CHORD 6-8 = 554, 8-7 = 1554, 1-7 = 1554
 WEBS 2-7 = 418, 3-7 = 457, 4-7 = 418

NOTES
 1) This truss has been designed for the wind loads generated by 80.0 m.p.h. winds at 25.0 feet above ground level, using 7.0 p.s.f. top chord dead load and 10.0 p.s.f. bottom chord dead load, 100.0 miles from hurricane coastline, on a category I enclosed building, of dimensions 45.0 by 24.0 with exposure C (ASCE 7-93). Lumber increase = 1.33, Plate increase = 1.31. Both end verticals are exposed.
 2) Studs to be fastened with 2x4 M20 plates.
 3) SIMPSON HZS connectors recommended to connect truss to bearing walls due to uplift as follows: One connector at joint(s) 1, 5.
 4) A plate rating reduction of 20% has been applied for the given lumber members.
 5) This truss has been designed with ANSIT/P1 1-1995 criteria.

LOAD CASE(S) Standard

JEFF VANDERDOOLIK

407 CHURCH ST

SWANSON, OHIO 43558

