

**Global**

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Increase Nailing Capacity for Wind?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automaticly Iterate Stiffness for Walls?	Yes
Maximum Iteration Number for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): ASD
Cold Formed Steel Code	AISI S100-10: ASD
Wood Code	AF&PA NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-11: ASD
Aluminum Code	AA ADM1-10: ASD - Building

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

**Global, Continued**

Seismic Code	ASCE 7-10
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct Z	.02
Ct X	.02
T Z (sec)	Not Entered
T X (sec)	Not Entered
R Z	3
R X	3
Ct Exp. Z	.75
Ct Exp. X	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Seismic Detailing Code	ASCE 7-05
Om Z	1
Om X	1
Rho Z	1
Rho X	1

**Wood Material Properties**

	Label	Type	Database	Species	Grade	Cm	Emod	Nu	Therm (1...	Dens[lb/in^3]
1	HF STUD	Solid Saw	Visually Gra...	Hem-Fir	Stud		1	.3	.3	.02
2	HF NO2	Solid Saw	Visually Gra...	Hem-Fir	No.2		1	.3	.3	.02
3	DF	Solid Saw	Visually Gra...	Douglas Fir-Lar...	No.1		1	.3	.3	.02
4	SP	Solid Saw	Visually Gra...	Southern Pine	No.1		1	.3	.3	.02
5	HF	Solid Saw	Visually Gra...	Hem-Fir	No.1		1	.3	.3	.02
6	SPF	Solid Saw	Visually Gra...	Spruce-Pine-fir	No.1		1	.3	.3	.02
7	24F-1.8E DF ...	Glulam	Table 5A	24F-1.8E_DF_...	na		1	.3	.3	.02
8	24F-1.8E DF ...	Glulam	Table 5A	24F-1.8E_DF_...	na		1	.3	.3	.02
9	24F-1.8E SP ...	Glulam	Table 5A	24F-1.8E_SP_...	na		1	.3	.3	.02
10	24F-1.8E SP ...	Glulam	Table 5A	24F-1.8E_SP_...	na		1	.3	.3	.02
11	DF SS	Solid Saw	Visually Gra...	Douglas Fir-Lar...	Select Structu...		1	.3	.3	.02

**General Material Properties**

	Label	E [psi]	G [psi]	Nu	Therm (1E5 F)	Density[lb/in^3]
1	gen Conc3NW	3.155e+6	1.372e+6	.15	.6	.084
2	gen Conc4NW	3.644e+6	1.584e+6	.15	.6	.084
3	gen Conc3LW	2.085e+6	9.06e+5	.15	.6	.064
4	gen Conc4LW	2.408e+6	1.047e+6	.15	.6	.064
5	gen Alum	1.06e+7	4.077e+6	.3	1.29	.1
6	gen Steel	2.9e+7	1.115e+7	.3	.65	.284
7	RIGID	1e+9		.3	0	0

**Custom Wood Properties**

	Label	Fb [psi]	Ft [psi]	Fv [psi]	Fc [psi]	E [psi]	SCL
1	LVL_PRL_1.5E_2...	2250	1500	220	1950	1.5e+6	Yes
2	LVL_PRL_2.0E_2...	2900	1900	285	2750	2e+6	Yes
3	LVL_MicroIam_1...	2600	1555	285	2510	1.9e+6	Yes
4	PSL_Parallam_2.0...	2900	2025	290	2900	2e+6	Yes
5	PSL_Parallam_1.8E	2400	1755	180	2500	1.8e+6	Yes
6	LSL_TimberStrand...	2325	1070	310	2050	1.55e+6	Yes

### Custom Wood Properties (Continued)

	Label	Fb [psi]	Ft [psi]	Fv [psi]	Fc [psi]	E [psi]	SCL
7	LSL_TimberStrand...	1700	1075	400	1400	1.3e+6	Yes

### Wood Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	WOOD1A	2X6	Beam	Rectangular	DF	Typical	8.25	1.547	20.797	5.125

### General Section Sets

	Label	Shape	Type	Material	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	GEN1A	RE4X4	Beam	gen_Conc3NW	16	21.333	21.333	31.573
2	RIGID		None	RIGID	1e+6	1e+6	1e+6	1e+6

### Design Size and Code Check Parameters

	Label	Max Depth[in]	Min Depth[in]	Max Width[in]	Min Width[in]	Max Bending Chk	Max Shear Chk
1	Typical					1	1

### Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-1.6666	-1.6666	0	0	
2	N2	0	0	0	0	
3	N3	6	6	0	0	
4	N4	9	9	0	0	
5	N5	12	12	0	0	
6	N6	25.6666	-1.6666	0	0	
7	N7	24	0	0	0	
8	N8	18	6	0	0	
9	N9	15	9	0	0	
10	N10	6	0	0	0	
11	N11	18	0	0	0	
12	N12	21	3	0	0	
13	N13	3	3	0	0	
14	N14	12	9	0	0	

### Joint Boundary Conditions

	Joint Label	X [lb/in]	Y [lb/in]	Z [lb/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]	Footing
1	N5			Fixed	Fixed	Fixed		
2	N4			Fixed	Fixed	Fixed		
3	N9			Fixed	Fixed	Fixed		
4	N3			Fixed	Fixed	Fixed		
5	N8			Fixed	Fixed	Fixed		
6	N10			Fixed	Fixed	Fixed		
7	N11			Fixed	Fixed	Fixed		
8	N2	Reaction	Reaction	Fixed	Fixed	Fixed		
9	N7		Reaction	Fixed	Fixed	Fixed		

### Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rul...
1	M1	N1	N2			2X6	Beam	Rectangular	DF SS	Typical
2	M2	N2	N3			2X6	Beam	Rectangular	DF SS	Typical
3	M3	N3	N4			2X6	Beam	Rectangular	DF SS	Typical

**Member Primary Data (Continued)**

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rul...
4	M4	N4	N5			2X6	Beam	Rectangular	DF SS	Typical
5	M5	N6	N7			2X6	Beam	Rectangular	DF SS	Typical
6	M6	N7	N8			2X6	Beam	Rectangular	DF SS	Typical
7	M7	N8	N9			2X6	Beam	Rectangular	DF SS	Typical
8	M8	N9	N5			2X6	Beam	Rectangular	DF SS	Typical
9	M9	N2	N10			2X10	Beam	Rectangular	DF SS	Typical
10	M10	N10	N11			2X10	Beam	Rectangular	DF SS	Typical
11	M11	N11	N7			2X10	Beam	Rectangular	DF SS	Typical
12	M12	N8	N11			2X4	Beam	Rectangular	HF STUD	Typical
13	M13	N11	N12			2X4	Beam	Rectangular	HF STUD	Typical
14	M14	N3	N10			2X4	Beam	Rectangular	HF STUD	Typical
15	M15	N10	N13			2X4	Beam	Rectangular	HF STUD	Typical
16	M16	N4	N9			2X4	Beam	Rectangular	HF STUD	Typical
17	M17	N5	N14			2X4	Beam	Rectangular	HF STUD	Typical

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	TOM	Inactive	Seismic Design ...
1	M1						Yes			None
2	M2						Yes			None
3	M3						Yes			None
4	M4						Yes			None
5	M5						Yes			None
6	M6						Yes			None
7	M7						Yes			None
8	M8						Yes			None
9	M9						Yes			None
10	M10						Yes			None
11	M11						Yes			None
12	M12	BenPIN	BenPIN				Yes			None
13	M13	BenPIN	BenPIN				Yes			None
14	M14	BenPIN	BenPIN				Yes			None
15	M15	BenPIN	BenPIN				Yes			None
16	M16	BenPIN	BenPIN				Yes			None
17	M17	BenPIN	BenPIN				Yes			None

**Wood Design Parameters**

	Label	Shape	Length...	le2[ft]	le1[ft]	le-bend top[ft]	le-bend b...	Kyy	Kzz	CV	Cr	y sway	z sway
1	M1	2X6	2.357	.5							Yes		
2	M2	2X6	8.485	.5	Segment						Yes		
3	M3	2X6	4.243	.5							Yes		
4	M4	2X6	4.243	.5							Yes		
5	M5	2X6	2.357	.5							Yes		
6	M6	2X6	8.485	.5	Segment						Yes		
7	M7	2X6	4.243	.5							Yes		
8	M8	2X6	4.243	.5							Yes		
9	M9	2X10	6										
10	M10	2X10	12	.5							Yes		
11	M11	2X10	6										
12	M12	2X4	6										
13	M13	2X4	4.243										
14	M14	2X4	6										
15	M15	2X4	4.243										
16	M16	2X4	6	Segment	Segment								
17	M17	2X4	3										

**Member Detailing Data**

	Label	I Cardinal Point	I x Offset[in]	I y Offset[in]	I z Offset[in]	J Cardinal Point	J x Offset[in]	J y Offset[in]	J z Offset[in]
1	M1	8	0	2.75	0	8	0	2.75	0
2	M2	8	0	2.75	0	8	0	2.75	0
3	M3	8	0	2.75	0	8	0	2.75	0
4	M4	8	0	2.75	0	8	0	2.75	0
5	M5	8	0	2.75	0	8	0	2.75	0
6	M6	8	0	2.75	0	8	0	2.75	0
7	M7	8	0	2.75	0	8	0	2.75	0
8	M8	8	0	2.75	0	8	0	2.75	0
9	M9	8	0	4.625	0	8	0	4.625	0
10	M10	8	0	4.625	0	8	0	4.625	0
11	M11	8	0	4.625	0	8	0	4.625	0
12	M12	8	0	1.75	0	8	0	1.75	0
13	M13	8	0	1.75	0	8	0	1.75	0
14	M14	8	0	1.75	0	8	0	1.75	0
15	M15	8	0	1.75	0	8	0	1.75	0
16	M16	8	0	1.75	0	8	0	1.75	0
17	M17	8	0	1.75	0	8	0	1.75	0

**Member Distributed Loads (BLC 1 : Load CASE 1)**

	Member Label	Direction	Start Magnitude[lb/ft]	End Magnitude[lb/ft]	Start Location[ft,%]	End Location[ft,%]
1	M9	Y	-20	-20	0	0
2	M11	Y	-20	-20	0	0
3	M16	Y	-20	-20	0	0
4	M7	Y	-20	-20	0	0
5	M3	Y	-20	-20	0	0
6	M10	Y	-100	-100	0	0
7	M1	Y	-70	-70	0	0
8	M2	Y	-70	-70	0	0
9	M3	Y	-70	-70	0	0
10	M4	Y	-70	-70	0	0
11	M8	Y	-70	-70	0	0
12	M7	Y	-70	-70	0	0
13	M6	Y	-70	-70	0	0
14	M5	Y	-70	-70	0	0
15	M10	Y	10	10	0	0
16	M1	Y	70	70	0	0
17	M2	Y	70	70	0	0
18	M4	Y	70	70	0	0
19	M8	Y	70	70	0	0
20	M6	Y	70	70	0	0
21	M5	Y	70	70	0	0
22	M1	Y	-51.5	-51.5	0	0
23	M2	Y	-51.5	-51.5	0	0
24	M4	Y	-51.5	-51.5	0	0
25	M8	Y	-51.5	-51.5	0	0
26	M6	Y	-51.5	-51.5	0	0
27	M5	Y	-51.5	-51.5	0	0
28	M3	Y	90	90	0	0
29	M7	Y	90	90	0	0
30	M3	Y	-61.5	-61.5	0	0
31	M7	Y	-61.5	-61.5	0	0
32	M16	Y	10	10	0	0
33	M5	Y	2.826	2.826	0	0
34	M6	Y	2.826	2.826	0	0
35	M7	Y	2.826	2.826	0	0

**Member Distributed Loads (BLC 1 : Load CASE 1) (Continued)**

	Member Label	Direction	Start Magnitude[lb/...	End Magnitude[lb/...	Start Location[ft,%]	End Location[ft,%]
36	M8	Y	2.826	2.826	0	0
37	M4	Y	2.826	2.826	0	0
38	M3	Y	2.826	2.826	0	0
39	M2	Y	2.826	2.826	0	0
40	M1	Y	2.826	2.826	0	0

**Basic Load Cases**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...Surface(...
1	Load CASE 1	None		-1				40	

**Load Combinations**

	Description	Solve	PDelta	SRSS	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor	BLC Factor
1		Yes			1	1						

**Load Combination Design**

	Description	ASIF	CD	ABIF	Service	Hot Rolled	Cold For...	Wood	Concrete	Masonry	Footings	Aluminum	Connecti...
1			1.15			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

**Joint Reactions (By Combination)**

	LC	Joint Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1	1	N2	0	1771.387	NC	NC	NC	0
2	1	N7	0	1771.387	NC	NC	NC	0
3	1	Totals:	0	3542.774	0			
4	1	COG (ft):	X: 12	Y: 3.238	Z: 0			

**Joint Deflections (By Combination)**

	LC	Joint Label	X [in]	Y [in]	Z [in]	X Rotation [rad]	Y Rotation [rad]	Z Rotation [rad]
1	1	N1	-.076	.075	0	0	0	-3.712e-3
2	1	N2	0	0	0	0	0	-3.997e-3
3	1	N3	.266	-.286	0	0	0	2.761e-3
4	1	N4	.016	-.041	0	0	0	4.651e-3
5	1	N5	.008	-.031	0	0	0	0
6	1	N6	.091	.075	0	0	0	3.712e-3
7	1	N7	.015	0	0	0	0	3.997e-3
8	1	N8	-.251	-.286	0	0	0	-2.761e-3
9	1	N9	-.001	-.041	0	0	0	-4.651e-3
10	1	N10	.004	-.298	0	0	0	-4.332e-3
11	1	N11	.011	-.298	0	0	0	4.332e-3
12	1	N12	-.134	-.159	0	0	0	5.399e-3
13	1	N13	.149	-.159	0	0	0	-5.399e-3
14	1	N14	.008	-.031	0	0	0	0

**Member Section Forces (By Combination)**

	LC	Member Label	Sec	Axial[lb]	y Shear[lb]	z Shear[lb]	Torque[lb-ft]	y-y Mo...	z-z Mo...
1	1	M1	1	0	0	0	0	0	0
2			2	-21.117	-21.117	0	0	0	6.222
3			3	-42.235	-42.235	0	0	0	24.886
4			4	-63.352	-63.352	0	0	0	55.994
5			5	-84.469	-84.469	0	0	0	99.544

**Member Section Forces (By Combination) (Continued)**

	LC	Member Label	Sec	Axial[lb]	y Shear[lb]	z Shear[lb]	Torque[lb-ft]	y-y Mo...	z-z Mo...
6	1	M2	1	2249.502	4.017	0	0	0	-8.362
7			2	2173.476	-72.008	0	0	0	63.754
8			3	2097.451	439.533	0	0	0	297.143
9			4	2019.511	363.508	0	0	0	-554.61
10			5	1943.486	287.482	0	0	0	-1245.0...
11	1	M3	1	1187.378	-468.626	0	0	0	-1245.0...
12			2	1141.865	-514.139	0	0	0	-723.899
13			3	1096.352	-559.652	0	0	0	-154.435
14			4	1050.839	-605.164	0	0	0	463.301
15			5	1005.326	-650.677	0	0	0	1129.312
16	1	M4	1	-99.089	441.246	0	0	0	1129.312
17			2	-137.102	403.233	0	0	0	681.46
18			3	-175.114	365.22	0	0	0	273.926
19			4	-213.127	327.207	0	0	0	-93.289
20			5	-251.14	289.194	0	0	0	-420.185
21	1	M5	1	0	0	0	0	0	0
22			2	-21.117	-21.117	0	0	0	6.222
23			3	-42.235	-42.235	0	0	0	24.886
24			4	-63.352	-63.352	0	0	0	55.994
25			5	-84.469	-84.469	0	0	0	99.544
26	1	M6	1	2249.502	4.017	0	0	0	-8.362
27			2	2173.476	-72.008	0	0	0	63.754
28			3	2097.451	439.533	0	0	0	297.143
29			4	2019.511	363.508	0	0	0	-554.61
30			5	1943.486	287.482	0	0	0	-1245.0...
31	1	M7	1	1187.378	-468.626	0	0	0	-1245.0...
32			2	1141.865	-514.139	0	0	0	-723.899
33			3	1096.352	-559.652	0	0	0	-154.435
34			4	1050.839	-605.164	0	0	0	463.301
35			5	1005.326	-650.677	0	0	0	1129.312
36	1	M8	1	-99.089	441.246	0	0	0	1129.312
37			2	-137.102	403.233	0	0	0	681.46
38			3	-175.114	365.22	0	0	0	273.926
39			4	-213.127	327.207	0	0	0	-93.289
40			5	-251.14	289.194	0	0	0	-420.185
41	1	M9	1	-1587.797	58.45	0	0	0	107.906
42			2	-1587.797	23.38	0	0	0	46.533
43			3	-1587.797	-11.69	0	0	0	37.765
44			4	-1587.797	-46.759	0	0	0	81.602
45			5	-1587.797	-81.829	0	0	0	178.043
46	1	M10	1	-1170.971	560.28	0	0	0	178.043
47			2	-1170.971	280.14	0	0	0	-1082.5...
48			3	-1170.971	0	0	0	0	-1502.7...
49			4	-1170.971	-280.14	0	0	0	-1082.5...
50			5	-1170.971	-560.28	0	0	0	178.043
51	1	M11	1	-1587.797	81.829	0	0	0	178.043
52			2	-1587.797	46.759	0	0	0	81.602
53			3	-1587.797	11.69	0	0	0	37.765
54			4	-1587.797	-23.38	0	0	0	46.533
55			5	-1587.797	-58.45	0	0	0	107.906
56	1	M12	1	-1069.298	0	0	0	0	0
57			2	-1067.384	0	0	0	0	0
58			3	-1065.47	0	0	0	0	0
59			4	-1063.556	0	0	0	0	0
60			5	-1061.642	0	0	0	0	0
61	1	M13	1	591.395	1.914	0	0	0	0
62			2	590.438	.957	0	0	0	-1.523

**Member Section Forces (By Combination) (Continued)**

	LC	Member Label	Sec	Axial[lb]	y Shear[lb]	z Shear[lb]	Torque[lb-ft]	y-y Mo...	z-z Mo...
63			3	589.481	0	0	0	0	-2.03
64			4	588.524	-957	0	0	0	-1.523
65			5	587.567	-1.914	0	0	0	0
66	1	M14	1	-1069.298	0	0	0	0	0
67			2	-1067.384	0	0	0	0	0
68			3	-1065.47	0	0	0	0	0
69			4	-1063.556	0	0	0	0	0
70			5	-1061.642	0	0	0	0	0
71	1	M15	1	591.395	1.914	0	0	0	0
72			2	590.438	.957	0	0	0	-1.523
73			3	589.481	0	0	0	0	-2.03
74			4	588.524	-957	0	0	0	-1.523
75			5	587.567	-1.914	0	0	0	0
76	1	M16	1	1553.045	8.834	0	0	0	0
77			2	1553.045	-8.081	0	0	0	-.565
78			3	1553.045	-24.995	0	0	0	24.242
79			4	1553.045	8.081	0	0	0	-.565
80			5	1553.045	-8.834	0	0	0	0
81	1	M17	1	-53.817	0	0	0	0	0
82			2	-52.86	0	0	0	0	0
83			3	-51.903	0	0	0	0	0
84			4	-50.946	0	0	0	0	0
85			5	-49.989	0	0	0	0	0

**Member Section Stresses (By Combination)**

	LC	Member Label	Sec	Axial[psi]	y Shear[psi]	z Shear[psi]	y top Bendin...	y bot Bendin...	z top Bendin...	z bot Bendin...
1	1	M1	1	0	0	0	0	0	0	0
2			2	-2.56	-3.84	0	-9.872	9.872	0	0
3			3	-5.119	-7.679	0	-39.489	39.489	0	0
4			4	-7.679	-11.519	0	-88.849	88.849	0	0
5			5	-10.239	-15.358	0	-157.954	157.954	0	0
6	1	M2	1	272.667	.73	0	13.268	-13.268	0	0
7			2	263.452	-13.092	0	-101.163	101.163	0	0
8			3	254.236	79.915	0	-471.5	471.5	0	0
9			4	244.789	66.092	0	880.042	-880.042	0	0
10			5	235.574	52.269	0	1975.678	-1975.678	0	0
11	1	M3	1	143.925	-85.205	0	1975.678	-1975.678	0	0
12			2	138.408	-93.48	0	1148.666	-1148.666	0	0
13			3	132.891	-101.755	0	245.055	-245.055	0	0
14			4	127.374	-110.03	0	-735.156	735.156	0	0
15			5	121.858	-118.305	0	-1791.966	1791.966	0	0
16	1	M4	1	-12.011	80.226	0	-1791.966	1791.966	0	0
17			2	-16.618	73.315	0	-1081.325	1081.325	0	0
18			3	-21.226	66.404	0	-434.66	434.66	0	0
19			4	-25.834	59.492	0	148.029	-148.029	0	0
20			5	-30.441	52.581	0	666.74	-666.74	0	0
21	1	M5	1	0	0	0	0	0	0	0
22			2	-2.56	-3.84	0	-9.872	9.872	0	0
23			3	-5.119	-7.679	0	-39.489	39.489	0	0
24			4	-7.679	-11.519	0	-88.849	88.849	0	0
25			5	-10.239	-15.358	0	-157.954	157.954	0	0
26	1	M6	1	272.667	.73	0	13.268	-13.268	0	0
27			2	263.452	-13.092	0	-101.163	101.163	0	0
28			3	254.236	79.915	0	-471.5	471.5	0	0
29			4	244.789	66.092	0	880.042	-880.042	0	0
30			5	235.574	52.269	0	1975.678	-1975.678	0	0



**Member Section Stresses (By Combination) (Continued)**

LC	Member Label	Sec	Axial[psi]	y Shear[psi]	z Shear[psi]	y top Bendin...	y bot Bendin...	z top Bendin...	z bot Bendin...	
31	1	M7	1	143.925	-85.205	0	1975.678	-1975.678	0	0
32			2	138.408	-93.48	0	1148.666	-1148.666	0	0
33			3	132.891	-101.755	0	245.055	-245.055	0	0
34			4	127.374	-110.03	0	-735.156	735.156	0	0
35			5	121.858	-118.305	0	-1791.966	1791.966	0	0
36	1	M8	1	-12.011	80.226	0	-1791.966	1791.966	0	0
37			2	-16.618	73.315	0	-1081.325	1081.325	0	0
38			3	-21.226	66.404	0	-434.66	434.66	0	0
39			4	-25.834	59.492	0	148.029	-148.029	0	0
40			5	-30.441	52.581	0	666.74	-666.74	0	0
41	1	M9	1	-114.436	6.319	0	-60.535	60.535	0	0
42			2	-114.436	2.528	0	-26.105	26.105	0	0
43			3	-114.436	-1.264	0	-21.186	21.186	0	0
44			4	-114.436	-5.055	0	-45.778	45.778	0	0
45			5	-114.436	-8.846	0	-99.881	99.881	0	0
46	1	M10	1	-84.394	60.571	0	-99.881	99.881	0	0
47			2	-84.394	30.285	0	607.324	-607.324	0	0
48			3	-84.394	0	0	843.059	-843.059	0	0
49			4	-84.394	-30.285	0	607.324	-607.324	0	0
50			5	-84.394	-60.571	0	-99.881	99.881	0	0
51	1	M11	1	-114.436	8.846	0	-99.881	99.881	0	0
52			2	-114.436	5.055	0	-45.778	45.778	0	0
53			3	-114.436	1.264	0	-21.186	21.186	0	0
54			4	-114.436	-2.528	0	-26.105	26.105	0	0
55			5	-114.436	-6.319	0	-60.535	60.535	0	0
56	1	M12	1	-203.676	0	0	0	0	0	0
57			2	-203.311	0	0	0	0	0	0
58			3	-202.947	0	0	0	0	0	0
59			4	-202.582	0	0	0	0	0	0
60			5	-202.218	0	0	0	0	0	0
61	1	M13	1	112.647	.547	0	0	0	0	0
62			2	112.464	.273	0	5.966	-5.966	0	0
63			3	112.282	0	0	7.955	-7.955	0	0
64			4	112.1	-.273	0	5.966	-5.966	0	0
65			5	111.917	-.547	0	0	0	0	0
66	1	M14	1	-203.676	0	0	0	0	0	0
67			2	-203.311	0	0	0	0	0	0
68			3	-202.947	0	0	0	0	0	0
69			4	-202.582	0	0	0	0	0	0
70			5	-202.218	0	0	0	0	0	0
71	1	M15	1	112.647	.547	0	0	0	0	0
72			2	112.464	.273	0	5.966	-5.966	0	0
73			3	112.282	0	0	7.955	-7.955	0	0
74			4	112.1	-.273	0	5.966	-5.966	0	0
75			5	111.917	-.547	0	0	0	0	0
76	1	M16	1	295.818	2.524	0	0	0	0	0
77			2	295.818	-2.309	0	2.213	-2.213	0	0
78			3	295.818	-7.141	0	-94.988	94.988	0	0
79			4	295.818	2.309	0	2.213	-2.213	0	0
80			5	295.818	-2.524	0	0	0	0	0
81	1	M17	1	-10.251	0	0	0	0	0	0
82			2	-10.069	0	0	0	0	0	0
83			3	-9.886	0	0	0	0	0	0
84			4	-9.704	0	0	0	0	0	0
85			5	-9.522	0	0	0	0	0	0

**Member Torsion Stresses**

LC	Member Label	Sec	Torque[lb-ft]	Shear[psi]	y Warp Shear...	z Warp Shear...	z-Bot Warp B...	z-Top Warp B...
1	1	M1	1	0	0	NC	NC	NC
2			2	0	0	NC	NC	NC
3			3	0	0	NC	NC	NC
4			4	0	0	NC	NC	NC
5			5	0	0	NC	NC	NC
6	1	M2	1	0	0	NC	NC	NC
7			2	0	0	NC	NC	NC
8			3	0	0	NC	NC	NC
9			4	0	0	NC	NC	NC
10			5	0	0	NC	NC	NC
11	1	M3	1	0	0	NC	NC	NC
12			2	0	0	NC	NC	NC
13			3	0	0	NC	NC	NC
14			4	0	0	NC	NC	NC
15			5	0	0	NC	NC	NC
16	1	M4	1	0	0	NC	NC	NC
17			2	0	0	NC	NC	NC
18			3	0	0	NC	NC	NC
19			4	0	0	NC	NC	NC
20			5	0	0	NC	NC	NC
21	1	M5	1	0	0	NC	NC	NC
22			2	0	0	NC	NC	NC
23			3	0	0	NC	NC	NC
24			4	0	0	NC	NC	NC
25			5	0	0	NC	NC	NC
26	1	M6	1	0	0	NC	NC	NC
27			2	0	0	NC	NC	NC
28			3	0	0	NC	NC	NC
29			4	0	0	NC	NC	NC
30			5	0	0	NC	NC	NC
31	1	M7	1	0	0	NC	NC	NC
32			2	0	0	NC	NC	NC
33			3	0	0	NC	NC	NC
34			4	0	0	NC	NC	NC
35			5	0	0	NC	NC	NC
36	1	M8	1	0	0	NC	NC	NC
37			2	0	0	NC	NC	NC
38			3	0	0	NC	NC	NC
39			4	0	0	NC	NC	NC
40			5	0	0	NC	NC	NC
41	1	M9	1	0	0	NC	NC	NC
42			2	0	0	NC	NC	NC
43			3	0	0	NC	NC	NC
44			4	0	0	NC	NC	NC
45			5	0	0	NC	NC	NC
46	1	M10	1	0	0	NC	NC	NC
47			2	0	0	NC	NC	NC
48			3	0	0	NC	NC	NC
49			4	0	0	NC	NC	NC
50			5	0	0	NC	NC	NC
51	1	M11	1	0	0	NC	NC	NC
52			2	0	0	NC	NC	NC
53			3	0	0	NC	NC	NC
54			4	0	0	NC	NC	NC
55			5	0	0	NC	NC	NC
56	1	M12	1	0	0	NC	NC	NC

**Member Torsion Stresses (Continued)**

	LC	Member Label	Sec	Torque[lb-ft]	Shear[psi]	y Warp Shear...	z Warp Shear...	z-Bot Warp B...	z-Top Warp B...
57			2	0	0	NC	NC	NC	NC
58			3	0	0	NC	NC	NC	NC
59			4	0	0	NC	NC	NC	NC
60			5	0	0	NC	NC	NC	NC
61	1	M13	1	0	0	NC	NC	NC	NC
62			2	0	0	NC	NC	NC	NC
63			3	0	0	NC	NC	NC	NC
64			4	0	0	NC	NC	NC	NC
65			5	0	0	NC	NC	NC	NC
66	1	M14	1	0	0	NC	NC	NC	NC
67			2	0	0	NC	NC	NC	NC
68			3	0	0	NC	NC	NC	NC
69			4	0	0	NC	NC	NC	NC
70			5	0	0	NC	NC	NC	NC
71	1	M15	1	0	0	NC	NC	NC	NC
72			2	0	0	NC	NC	NC	NC
73			3	0	0	NC	NC	NC	NC
74			4	0	0	NC	NC	NC	NC
75			5	0	0	NC	NC	NC	NC
76	1	M16	1	0	0	NC	NC	NC	NC
77			2	0	0	NC	NC	NC	NC
78			3	0	0	NC	NC	NC	NC
79			4	0	0	NC	NC	NC	NC
80			5	0	0	NC	NC	NC	NC
81	1	M17	1	0	0	NC	NC	NC	NC
82			2	0	0	NC	NC	NC	NC
83			3	0	0	NC	NC	NC	NC
84			4	0	0	NC	NC	NC	NC
85			5	0	0	NC	NC	NC	NC

**Member Section Deflections**

	LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[r...]	(n) L/y Ratio	(n) L/z Ratio
1	1	M1	1	0	.107	0	0	NC	NC
2			2	0	.081	0	0	NC	NC
3			3	0	.054	0	0	NC	NC
4			4	0	.028	0	0	NC	NC
5			5	0	0	0	0	NC	NC
6	1	M2	1	0	0	0	0	NC	NC
7			2	-.004	-.102	0	0	NC	NC
8			3	-.007	-.218	0	0	4379.553	NC
9			4	-.01	-.358	0	0	1569.568	NC
10			5	-.014	-.39	0	0	NC	NC
11	1	M3	1	-.014	-.39	0	0	NC	NC
12			2	-.015	-.327	0	0	2076.814	NC
13			3	-.015	-.229	0	0	3740.088	NC
14			4	-.016	-.123	0	0	NC	NC
15			5	-.017	-.04	0	0	NC	NC
16	1	M4	1	-.017	-.04	0	0	3880.681	NC
17			2	-.017	-.006	0	0	2407.851	NC
18			3	-.017	-.006	0	0	2344.453	NC
19			4	-.017	-.019	0	0	5888.635	NC
20			5	-.017	-.027	0	0	NC	NC
21	1	M5	1	-.011	.117	0	0	NC	NC
22			2	-.011	.091	0	0	NC	NC
23			3	-.011	.065	0	0	NC	NC
24			4	-.011	.038	0	0	NC	NC

**Member Section Deflections (Continued)**

LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[r...]	(n) L/y Ratio	(n) L/z Ratio	
25		5	-.011	.011	0	0	NC	NC	
26	1	M6	1	-.011	.011	0	0	NC	NC
27		2	-.014	-.091	0	0	NC	NC	
28		3	-.018	-.208	0	0	4379.553	NC	
29		4	-.021	-.347	0	0	1569.568	NC	
30		5	-.024	-.38	0	0	NC	NC	
31	1	M7	1	-.024	-.38	0	0	NC	NC
32		2	-.025	-.317	0	0	2076.814	NC	
33		3	-.026	-.218	0	0	3740.088	NC	
34		4	-.027	-.113	0	0	NC	NC	
35		5	-.028	-.03	0	0	NC	NC	
36	1	M8	1	-.028	-.03	0	0	3880.681	NC
37		2	-.028	.005	0	0	2407.851	NC	
38		3	-.028	.005	0	0	2344.453	NC	
39		4	-.027	-.008	0	0	5888.635	NC	
40		5	-.027	-.017	0	0	NC	NC	
41	1	M9	1	0	0	0	0	NC	NC
42		2	.001	-.073	0	0	989.159	NC	
43		3	.002	-.147	0	0	491.027	NC	
44		4	.003	-.221	0	0	325.284	NC	
45		5	.004	-.298	0	0	241.742	NC	
46	1	M10	1	.004	-.298	0	0	NC	NC
47		2	.006	-.441	0	0	1006.67	NC	
48		3	.008	-.5	0	0	711.755	NC	
49		4	.009	-.441	0	0	1006.67	NC	
50		5	.011	-.298	0	0	NC	NC	
51	1	M11	1	.011	-.298	0	0	241.742	NC
52		2	.012	-.221	0	0	325.284	NC	
53		3	.013	-.147	0	0	491.027	NC	
54		4	.014	-.073	0	0	989.159	NC	
55		5	.015	0	0	0	NC	NC	
56	1	M12	1	.286	.251	0	0	NC	NC
57		2	.289	.186	0	0	NC	NC	
58		3	.292	.12	0	0	NC	NC	
59		4	.295	.055	0	0	NC	NC	
60		5	.298	-.011	0	0	NC	NC	
61	1	M13	1	-.203	-.218	0	0	NC	NC
62		2	-.204	-.169	0	0	NC	NC	
63		3	-.205	-.119	0	0	NC	NC	
64		4	-.207	-.069	0	0	NC	NC	
65		5	-.208	-.018	0	0	NC	NC	
66	1	M14	1	.286	-.266	0	0	NC	NC
67		2	.289	-.201	0	0	NC	NC	
68		3	.292	-.135	0	0	NC	NC	
69		4	.295	-.07	0	0	NC	NC	
70		5	.298	-.004	0	0	NC	NC	
71	1	M15	1	-.214	-.208	0	0	NC	NC
72		2	-.215	-.158	0	0	NC	NC	
73		3	-.216	-.108	0	0	NC	NC	
74		4	-.217	-.058	0	0	NC	NC	
75		5	-.218	-.007	0	0	NC	NC	
76	1	M16	1	.016	-.041	0	0	NC	NC
77		2	.012	-.036	0	0	NC	NC	
78		3	.008	-.031	0	0	7674.018	NC	
79		4	.003	-.036	0	0	NC	NC	
80		5	-.001	-.041	0	0	NC	NC	
81	1	M17	1	.031	-.008	0	0	NC	NC

### Member Section Deflections (Continued)

LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotatefr...	(n) L/y Ratio	(n) L/z Ratio
82		2	.031	-.008	0	0	NC	NC
83		3	.031	-.008	0	0	NC	NC
84		4	.031	-.008	0	0	NC	NC
85		5	.031	-.008	0	0	NC	NC

### Member Suggested Shapes

Section Set/Member	Current Shape	Suggested Shape	Controlling Member	Use Suggested?
1	M1	2X6		Yes
2	M5	2X6		Yes
3	M9	2X10		Yes
4	M10	2X10		Yes
5	M11	2X10		Yes
6	M12	2X4		Yes
7	M13	2X4		Yes
8	M14	2X4		Yes
9	M15	2X4		Yes
10	M16	2X4		Yes
11	M17	2X4		Yes

### Member Wood Code Checks

LC	Member	Shape	UC Max	Loc[...Shea...	Loc[...Dir	Fc[psi]	Ft[psi]	Fb1[...Fb2[...Fv[psi]	RB	CL	CP	Eqn					
1	1	M1	2X6	.068	2.357	.074	2.357	y	2104...	1495	2544...	2965...	207	8.315	.987	.979	3.9-1
2	1	M2	2X6	.810	8.485	.386	4.243	y	1982...	1495	2572...	2965...	207	3.83	.998	.922	3.9-3
3	1	M3	2X6	.790	0	.572	4.243	y	1982...	1495	2572...	2965...	207	3.83	.998	.922	3.9-3
4	1	M4	2X6	.716	0	.388	0	y	1982...	1495	2504...	2965...	207	11.156	.971	.922	3.9-3
5	1	M5	2X6	.068	2.357	.074	2.357	y	2104...	1495	2544...	2965...	207	8.315	.987	.979	3.9-1
6	1	M6	2X6	.810	8.485	.386	4.243	y	1982...	1495	2572...	2965...	207	3.83	.998	.922	3.9-3
7	1	M7	2X6	.790	0	.572	4.243	y	1982...	1495	2572...	2965...	207	3.83	.998	.922	3.9-3
8	1	M8	2X6	.716	0	.388	0	y	1982...	1495	2504...	2965...	207	11.156	.971	.922	3.9-3
9	1	M9	2X10	.143	6	.043	6	y	240....	1265	1752...	2277	207	17.205	.924	.123	3.9-1
10	1	M10	2X10	.453	6	.293	12	y	1468....	1265	2174...	2618...	207	4.967	.997	.751	3.9-1
11	1	M11	2X10	.143	0	.043	0	y	240....	1265	1752...	2277	207	17.205	.924	.123	3.9-1
12	1	M12	2X4	.403	0	.000	0	z	150....	506	844....	939....	172.5	10.583	.989	.156	3.9-1
13	1	M13	2X4	.391	0	.003	0	y	288....	506	847....	939....	172.5	8.899	.993	.298	3.6.3
14	1	M14	2X4	.403	0	.000	0	z	150....	506	844....	939....	172.5	10.583	.989	.156	3.9-1
15	1	M15	2X4	.391	0	.003	0	y	288....	506	847....	939....	172.5	8.899	.993	.298	3.6.3
16	1	M16	2X4	.579	3	.041	3	y	510.89	506	844....	939....	172.5	10.583	.989	.529	3.6.3
17	1	M17	2X4	.020	0	.000	0	z	510.89	506	849.65	939....	172.5	7.483	.995	.529	3.9-1

### Connection Design Results

Label	Member End	Connection Rule	Pass/Fail	Max UC	Gov LC	Limit State
No Data to Print ...						

### Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[LB]
1	Wood				
2	DF SS	2X10	3	24	81.1
3	DF SS	2X6	8	38.7	77.7
4	HF STUD	2X4	6	29.5	37.6
5	Total Wood		17	92.1	196.4

Company :  
Designer :  
Job Number :

May 17, 2015  
9:34 PM  
Checked By: \_\_\_\_\_

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***Warning Log***

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Message
No Data to Print ...