

Project Grid Lines

No Data to Print...

Project Grid Arcs

No Data to Print...

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N1	0	0	0	
2	N2	0	13	0	
3	N3	13	13	0	
4	N4	13	0	0	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot [k-ft/rad]	Y Rot [k-ft/rad]
1	N1		Reaction	Fixed	Fixed	Fixed
2	N4	Reaction	Reaction	Fixed	Fixed	Fixed
3	ALL			Fixed	Fixed	Fixed

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [$10^{-6}/^{\circ}\text{F}$]	Density [k/ft ³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	0.3	0.65	0.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	0.3	0.65	0.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
9	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	0.3	0.65	0.49	65	1.1	80	1.1

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [$10^{-6}/^{\circ}\text{F}$]	Density [k/ft ³]	Yield [ksi]	Fu [ksi]
1	A653 SS Gr33	29500	11346	0.3	0.65	0.49	33	45
2	A653 SS Gr50/1	29500	11346	0.3	0.65	0.49	50	65

Wood Properties

	Label	Type	Database	Species	Grade	Cm	Emod	Nu	Therm. Coeff. [$10^{-6}/^{\circ}\text{F}$]	Density [k/ft ³]
1	DF	Solid Sawn	Visually Graded	Douglas Fir-Larch	No.1		1	0.3	0.3	0.035
2	SP	Solid Sawn	Visually Graded	Southern Pine	No.1		1	0.3	0.3	0.035
3	HF	Solid Sawn	Visually Graded	Hem-Fir	No.1		1	0.3	0.3	0.035
4	SPF	Solid Sawn	Visually Graded	Spruce-Pine-fir	No.1		1	0.3	0.3	0.035
5	24F-1.8E DF Balanced	Glulam	NDS Table 5A	24F-1.8E_DF_BAL	na		1	0.3	0.3	0.035
6	24F-1.8E DF Unbalanced	Glulam	NDS Table 5A	24F-1.8E_DF_UNBAL	na		1	0.3	0.3	0.035
7	24F-1.8E SP Balanced	Glulam	NDS Table 5A	24F-1.8E_SP_BAL	na		1	0.3	0.3	0.035
8	24F-1.8E SP Unbalanced	Glulam	NDS Table 5A	24F-1.8E_SP_UNBAL	na		1	0.3	0.3	0.035
9	1.3E-1600F VERSALAM	SCL	Boise Cascade	1.3E-1600F_VERSALAM	na		1	0.3	0.3	0.035
10	1.35E LSL SolidStart	SCL	Louisiana Pacific	1.35E LSL SolidStart	na		1	0.3	0.3	0.035
11	1.3E_RIGIDLAM LVL	SCL	Roseburg Forest Products	1.3E_RIGIDLAM LVL	na		1	0.3	0.3	0.035

Wood Properties (Continued)

	Label	Type	Database	Species	Grade	Cm	Emod	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Density [k/ft ³]
12	2.0E_DF Parallam PSL	SCL	TrusJoist	2.0E_DF Parallam PSL	na		1	0.3	0.3	0.035
13	LVL_PRL_1.5E_2250F	Custom	N/A	LVL_PRL_1.5E_2250F	na		1	0.3	0.3	0.035
14	LVL_Microlam_1.9E_2600F	Custom	N/A	LVL_Microlam_1.9E_2600F	na		1	0.3	0.3	0.035
15	PSL_Parallam_2.0E_2900F	Custom	N/A	PSL_Parallam_2.0E_2900F	na		1	0.3	0.3	0.035
16	LSL_TimberStrand_1.55E_2325F	Custom	N/A	LSL_TimberStrand_1.55E_2325F	na		1	0.3	0.3	0.035

Concrete Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Density [k/ft ³]	f'c [ksi]	Lambda	Flex Steel [ksi]	Shear Steel [ksi]
1	Conc5000NW	4287	1788	0.2	0.6	0.15	5	1	60	60

Masonry Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Self Weight [k/ft ³]	f'm [ksi]	Flex Steel [ksi]	Shear Steel [ksi]
1	Concrete Matl	1350	540	0.25	0.6	Custom	1.5	60	60
2	Clay Matl	1050	420	0.25	0.6	Custom	1.5	60	60
3	Gen Masonry	1050	420	0.25	0.6	0.08	1.5	60	60

Aluminum Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Density [k/ft ³]	Table B.4	kt	Ftu [ksi]	Fty [ksi]	Fcy [ksi]	Fsu [ksi]	Ct
1	3003-H14	10100	3787.5	0.33	1.3	0.173	Table B.4-1	1	19	16	13	12	141
2	6061-T6	10100	3787.5	0.33	1.3	0.173	Table B.4-2	1	38	35	35	24	141
3	6063-T5	10100	3787.5	0.33	1.3	0.173	Table B.4-2	1	22	16	16	13	141
4	6063-T6	10100	3787.5	0.33	1.3	0.173	Table B.4-2	1	30	25	25	19	141
5	5052-H34	10200	3787.5	0.33	1.3	0.173	Table B.4-1	1	34	26	24	20	141
6	6061-T6 W	10100	3787.5	0.33	1.3	0.173	Table B.4-1	1	24	15	15	15	141

Stainless Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Density [k/ft ³]	n	Yield [ksi]	Fu [ksi]
1	A276 S316	28000	10780	0.3	0.93	0.5	5.6	30	75
2	A276 S321	29000	11165	0.3	0.73	0.48	5.6	65	94
3	A276 S304	28000	10780	0.3	0.93	0.49	5.6	30	75

General Materials Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁻⁵ F ⁻¹]	Density [k/ft ³]	Plate Methodology
1	gen_Conc3NW	3155	1372	0.15	0.6	0.145	Isotropic
2	gen_Conc4NW	3644	1584	0.15	0.6	0.145	Isotropic
3	gen_Conc3LW	2085	906	0.15	0.6	0.11	Isotropic
4	gen_Conc4LW	2408	1047	0.15	0.6	0.11	Isotropic
5	gen_Alum	10100	4077	0.3	1.29	0.173	Isotropic
6	gen_Steel	29000	11154	0.3	0.65	0.49	Isotropic
7	gen_Plywood	1800	38	0	0.3	0.035	Isotropic
8	RIGID	1e+6		0.3	0	0	Isotropic
9	gen_Ortho	N/A	N/A	N/A	0.65	0.49	Orthotropic

Custom Wood Properties

	Label	Fb	Ft	Fv	Fc	E	E05	Type
1	LVL_PRL_1.5E_2250F	2.25	1.5	0.22	1.95	1500	0.5	SCL
2	LVL_PRL_2.0E_2900F	2.9	1.9	0.285	2.75	2000	0.5	SCL

Custom Wood Properties (Continued)

	Label	Fb	Ft	Fv	Fc	E	E05	Type
3	LVL Microllam 1.9E 2600F	2.6	1.555	0.285	2.51	1900	0.5	SCL
4	PSL Parallam 2.0E 2900F	2.9	2.025	0.29	2.9	2000	0.5	SCL
5	PSL Parallam 1.8E	2.4	1.755	0.18	2.5	1800	0.5	SCL
6	LSL TimberStrand 1.55E 2325F	2.325	1.07	0.31	2.05	1550	0.5	SCL
7	LSL TimberStrand 1.3E 1700F	1.7	1.075	0.4	1.4	1300	0.5	SCL

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	adfhdsfhdbr	W10X33	Beam	Wide Flange	A992	Typical	9.71	36.6	171	0.583

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	CF1	8CU1.25X057	Beam	CU	A653 SS Gr33	Typical	0.581	0.057	4.41	0.00063

Wood Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	WOOD1	2X6	Beam	Rectangular Double	DF	Typical	8.25	1.547	20.797	5.125

Concrete Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	T	CRECT12X12	Beam	Rectangular	Conc5000NW	Typical	144	1728	1728	2557.44
2	B	CRECT12X12	Beam	Rectangular	Conc5000NW	Typical	144	1728	1728	2557.44
3	S	CRECT12X12	Column	Rectangular	Conc5000NW	Typical	144	1728	1728	2557.44

Aluminum Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	AL1	AA13X1.64	Beam	None	3003-H14	Typical	1.39	0.522	2.24	0.019

Stainless Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	SS1A	W10x33_SS	Beam	None	A276 S316	Typical	9.71	36.6	171	0.583

General Section Sets

	Label	Shape	Type	Material	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	GEN1	RE4X4	Beam	gen_Conc3NW	16	21.333	21.333	31.573
2	RIGID		None	RIGID	1e+06	1e+06	1e+06	1e+06

Member Primary Data

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	SR	N4	N3	S	Column	Rectangular	Conc5000NW	Typical
2	T	N2	N3	T	Beam	Rectangular	Conc5000NW	Typical
3	B	N1	N4	B	Beam	Rectangular	Conc5000NW	Typical
4	SL	N1	N2	S	Column	Rectangular	Conc5000NW	Typical

Member Advanced Data

	Label	Physical	Deflection Ratio Options	Seismic DR
1	SR	Yes	** NA **	None
2	T	Yes	Default	None
3	B	Yes	Default	None
4	SL	Yes	** NA **	None

Hot Rolled Steel Design Parameters

No Data to Print...

Cold Formed Steel Design Parameters

No Data to Print...

Wood Design Parameters

No Data to Print...

Concrete Beam Design Parameters

	Label	Shape	Length [ft]	Flexural Rebar Design	Flexural Layout	Shear Rebar Design	Shear Layout
1	T	T	13	Design Rule	Use Design Rule	Design Rule	Use Design Rule
2	B	B	13	Design Rule	Use Design Rule	Design Rule	Use Design Rule

Concrete Column Design Parameters

	Label	Shape	Length [ft]	y sway	z sway	Rebar Design	Flexural Layout	Rebar Design	Shear Layout
1	SR	S	13			Design Rule	Use Design Rule	Design Rule	Use Design Rule
2	SL	S	13			Design Rule	Use Design Rule	Design Rule	Use Design Rule

Aluminum Design Parameters

No Data to Print...

Stainless Steel Design Parameters

No Data to Print...

Member RISACONNECTION Properties

No Data to Print...

Plate Primary Data

No Data to Print...

Plate Advanced Data

No Data to Print...

Solid Primary Data

No Data to Print...

Wall Panel Data

No Data to Print...

Wall Panel Advanced Data

No Data to Print...

Diaphragms

No Data to Print...

Design Size and Code Check Parameters

Label	Max Axial/Bending Chk	Max Shear Chk
1 Typical	1	1

Concrete Rebar Parameters

Label	Optimize Rebar ?	Min Flex Bar	Max Flex Bar	Shear Bar	Legs per Stirrup	Top (Column) Cover [in]	Bottom Cover [in]	Side Cover [in]	Top/Bottom Bars	Add'l Side Bars	Shear Bar Spacing [in]
1 Typical	Optimize	#6	#10	#4	2	1.5	1.5	1.5	2	1	12

Deflection Design

Label	LC	Ratio	LC	Ratio	LC	Ratio
1 Typical	None	N/A	None	N/A	None	N/A

Wall Panel U.C. Parameters

Label	Max Bending Chk	Max Shear Chk
1 Typical	1	1

Masonry Wall Panel Parameters

Label	Block Nom Width	Block Grouting	Reinforced	Wall Area Method
1 Typical	10"	Partially Grouted	Yes	NCMA

Masonry Wall Panel In-Plane Parameters

Label	Vert Bar Size	Bars Per Cell	Min Bound Zone Width [in]	Max Bound Zone Width [in]	Horz Bar Size	1.5x Shear Inc	Transfer Load
1 Typical	#5	1	8	40	#5	Yes	

Masonry Wall Panel Out-of-Plane Parameters

Label	Bar Size	Bar Space	Min Bar Space	Max Bar Placement	Cover [in]	Mortar Type	Cement Type	Transfer Load
1 Typical	#5	8"	72"	Center	Min	Type M or S	Portland, Lime/Mortar	

Masonry Wall Panel Lintel Parameters

Label	Depth [in]	Bear Length [in]	Bar Size	Min # Bars	Per Layer	Max # Bars	Per Layer	Num of Layers	c/c Sp of Layers [in]	Dist To Bot [in]	Stirrup Size	Analysis Method
1 Typical	16	8	#5	1		3		1	N/A	3.5	#4	Simply Supported

Wood Wall Panel Parameters

Label	Top Plate	Sill Plate	Studs	Min Stud Space [in]	Max Stud Space [in]	Green Lumber?	Header Size	Header Matl
1 Typical	2-2X8	2X6	2X6	16	16		6x8	Same as Wall

Additional Wood Wall Panel Parameters

Label		Schedule	Min Panel Thick [in]	Max Panel Thick [in]	Double Sided Panel?	Max. Nail Spacing	Min. Nail Spacing	HD Chords	HD Chord Matl	Hold Down	Chord Strap	Eccentricity
1	Typical	AWC 2015 OSB	0.375	0.75	Optimum	6-in.	2-in.	2-2X8	Same as Wall	SIMPSON HoldDowns	SIMPSON Chord Straps	

Concrete Wall Panel Rebar Parameters

Label	Vert Bar Size	Max Vert Bar Space [in]	Min Vert Bar Space [in]	Vert Bar Inc [in]	Horz Bar Size	Max Horz Bar Space [in]	Min Horz Bar Space [in]	Horz Bar Inc [in]	Group Wall
1	Typical	#6	18	4	2	#4	18	4	2

Concrete Wall Panel Cover Parameters

Label	Outer Bars	Location	Int Cover -z [in]	Ext Cover +z [in]	Edge Cover [in]	Transfer In	Transfer Out
1	Typical	Vertical	Each Face	1	1	2	

Frame / HR Column Seismic Design Rule

	Label	Frame Ductility	Overstrength Req'd
1	OCBF	Minimal	Yes
2	SCBF	High	Yes
3	OMF	High	Yes
4	IMF	High	Yes
5	SMF-RBS	High	Yes
6	SMF-KaiserB	High	Yes
7	SMF-KaiserW	High	Yes
8	SMF-BSEEP	High	Yes
9	SMF-WUF-W	High	Yes

HR Beam Seismic Design Rule

	Label	Connection	Overstrength Req'd	Z Factor	Hinge Location [in]
1	OCBF	Other/None			
2	SCBF	Other/None	Yes		
3	OMF	BUEEP			12
4	IMF	BFP			12
5	SMF-RBS	RBS		0.685	14.625
6	SMF-KaiserB	KBB-B			12
7	SMF-KaiserW	KBB-W			12
8	SMF-BSEEP	BSEEP			12
9	SMF-WUF-W	WUF-W			

HR Brace Seismic Design Rule

	Label	Overstrength Req'd	KL/r
1	OCBF		
2	SCBF		Yes
3	OMF		
4	IMF		
5	SMF-RBS		
6	SMF-KaiserB		
7	SMF-KaiserW		
8	SMF-BSEEP		
9	SMF-WUF-W		

Concrete Wall Seismic Design Rule

No Data to Print...

Connection Design Rules

	Label	Conn Type	Type	Beam Conn	Col/Girder Conn	Eccentricity
1	Col/Bm Single Angle Shear	Shear	Column/Beam Clip Single Angle Shear	Bolted	Bolted	1.5
2	Col/Bm Double Angle Shear	Shear	Column/Beam Clip Double Angle Shear	Bolted	Bolted	0
3	Col/Bm Two Side Clip Angle Shear	Shear	Column/Beam Clip Double Angle (Both Side) Shear	Bolted	Bolted	N/A
4	Col/Bm End Plate Shear	Shear	Column/Beam End-Plate Shear	N/A	Bolted	N/A
5	Col/Bm Shear Tab Shear	Shear	Column/Beam Shear Tab Shear	Bolted	N/A	0
6	Girder/Bm Single Angle Shear	Shear	Girder/Beam Clip Single Angle Shear	Bolted	Bolted	N/A
7	Girder/Bm Double Angle Shear	Shear	Girder/Beam Clip Double Angle Shear	Bolted	Bolted	N/A
8	Grd/Bm Two Side Clip Angle Shear	Shear	Girder/Beam Clip Double Angle (Both Side) Shear	Bolted	Bolted	N/A
9	Girder/Bm End Plate Shear	Shear	Girder/Beam End-Plate Shear	N/A	Bolted	N/A
10	Girder/Bm Shear Tab Shear	Shear	Girder/Beam Shear Tab Shear	Bolted	N/A	N/A
11	Beam Shear Splice	Shear	Beam Shear Tab Splice	Bolted	N/A	N/A
12	Column Shear Splice	Shear	Column Shear Tab Splice	N/A	Bolted	N/A
13	Col/Bm Ext. End Plate Moment	Moment	Column/Beam Extended End-Plate Moment	N/A	N/A	N/A
14	Col/Bm PartExt. End Plate Moment	Moment	Column/Beam Partially Extended End-Plate Moment (Tension side)	N/A	N/A	N/A
15	Col/Bm Flush End Plate Moment	Moment	Column/Beam Flush End-Plate Moment	N/A	N/A	N/A
16	Col/Bm Flange Plate Moment	Moment	Column/Beam Flange Plate Moment	Bolted	N/A	N/A
17	Col/Bm Direct Weld Moment	Moment	Column/Beam Direct Weld Moment	Bolted	N/A	N/A
18	Col/Bm Seismic Moment	Moment	Column/Beam Seismic Moment	N/A	N/A	N/A
19	Beam Moment Plate Splice	Moment	Beam Moment Plate Splice	Bolted	N/A	N/A
20	Column Moment Plate Splice	Moment	Column Moment Plate Splice	N/A	N/A	N/A
21	Beam Direct Weld Moment Splice	Moment	Beam Direct Weld Splice	Bolted	N/A	N/A
22	Col Direct Weld Moment Splice	Moment	Column Direct Weld Splice	N/A	Bolted	N/A
23	Bm Ext. End Plate Moment Splice	Moment	Beam Extended End Plate Splice	Bolted	N/A	N/A
24	Col Ext. End Plate Moment Splice	Moment	Column Extended End Plate Splice	N/A	Bolted	N/A
25	Diagonal Vertical Brace	Brace	Diagonal Vertical Brace	N/A	N/A	N/A
26	Chevron Vertical Brace	Brace	Chevron Vertical Brace	N/A	N/A	N/A
27	Seismic Diagonal Brace	Brace	Diagonal Brace Seismic	N/A	N/A	N/A
28	Seismic Chevron Brace	Brace	Chevron Brace Seismic	N/A	N/A	N/A
29	Knee Brace	Brace	Knee Brace	N/A	N/A	N/A
30	Single Column Base Plate	Baseplate	Single Column Baseplate	N/A	N/A	N/A
31	Base Plate with Vertical Brace	Baseplate	Brace to Column Base Plate	N/A	N/A	N/A
32	HSS Truss Connection	Truss	HSS T-Connection	N/A	N/A	N/A

Drift Definitions

No Data to Print...

Nodal Loads and Enforced Displacements

No Data to Print...

Member Point Loads

No Data to Print...

Wall Panel Point Loads

No Data to Print...

Diaphragm Point Loads

No Data to Print...						
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Member Distributed Loads (BLC 2 : Soil Reaction)

Member	Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	B	Y	0.45	0.45	0	%100

Wall Panel Distributed Loads

No Data to Print...						
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Diaphragm Distributed Loads

No Data to Print...						
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Member Area Loads

No Data to Print...						
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Plate Surface Loads

No Data to Print...						
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Wall Panel Surface Loads

No Data to Print...						
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Diaphragm Surface Loads

No Data to Print...						
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Basic Load Cases

	BLC Description	Category	Y Gravity	Distributed
1	Self Weight	DL	-1	
2	Soil Reaction	DL		1

Moving Loads

No Data to Print...						
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Time History Loads

No Data to Print...						
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Load Combinations

	Description	Solve	BLC	Factor
1	DL	Yes	DL	1

Load Combination Design

	Description	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
1	DL					Yes				Yes

Node Reactions

LC	Node Label	X [k]	Y [k]	Z [k]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1	1	N1	0	0.975	NC	NC	0
2	1	N4	0	0.975	NC	NC	0
3	1	Totals:	0	1.95	0		
4	1	COG (ft):	X: 6.5	Y: 26	Z: 0		

Node Reactions - Overstrength or Capacity Limit

No Data to Print...							
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Node Displacements

LC	Node Label	X [in]	Y [in]	Z [in]	X Rotation [rad]	Y Rotation [rad]	Z Rotation [rad]
1	1	N1	0	0	0	0	4.365e-4
2	1	N2	0	0	0	0	-3.261e-4
3	1	N3	0	0	0	0	3.261e-4
4	1	N4	0	0	0	0	-4.365e-4

Member Section Forces

LC	Member Label	Sec	Axial[k]	y Shear[k]	z Shear[k]	Torque[k-ft]	y-y Moment[k-ft]	z-z Moment[k-ft]
1	1	SR	1	2.925	-0.139	0	0	-3.016
2			2	2.73	-0.139	0	0	-2.835
3			3	2.535	-0.139	0	0	-2.654
4			4	2.34	-0.139	0	0	-2.474
5			5	2.145	-0.139	0	0	-2.293
6			6	1.95	-0.139	0	0	-2.113
7			7	1.755	-0.139	0	0	-1.932
8			8	1.56	-0.139	0	0	-1.751
9			9	1.365	-0.139	0	0	-1.571
10			10	1.17	-0.139	0	0	-1.39
11			11	0.975	-0.139	0	0	-1.209
12	1	T	1	-0.139	0.975	0	0	1.209
13			2	-0.139	0.78	0	0	0.068
14			3	-0.139	0.585	0	0	-0.819
15			4	-0.139	0.39	0	0	-1.453
16			5	-0.139	0.195	0	0	-1.833
17			6	-0.139	0	0	0	-1.96
18			7	-0.139	-0.195	0	0	-1.833
19			8	-0.139	-0.39	0	0	-1.453
20			9	-0.139	-0.585	0	0	-0.819
21			10	-0.139	-0.78	0	0	0.068
22			11	-0.139	-0.975	0	0	1.209
23	1	B	1	0.139	-1.95	0	0	-3.016
24			2	0.139	-1.56	0	0	-0.734
25			3	0.139	-1.17	0	0	1.04
26			4	0.139	-0.78	0	0	2.308
27			5	0.139	-0.39	0	0	3.068
28			6	0.139	0	0	0	3.322
29			7	0.139	0.39	0	0	3.068
30			8	0.139	0.78	0	0	2.308
31			9	0.139	1.17	0	0	1.04
32			10	0.139	1.56	0	0	-0.734
33			11	0.139	1.95	0	0	-3.016
34	1	SL	1	2.925	0.139	0	0	3.016
35			2	2.73	0.139	0	0	2.835

Member Section Forces (Continued)

LC	Member Label	Sec	Axial[k]	y Shear[k]	z Shear[k]	Torque[k-ft]	y-y Moment[k-ft]	z-z Moment[k-ft]
36		3	2.535	0.139	0	0	0	2.654
37		4	2.34	0.139	0	0	0	2.474
38		5	2.145	0.139	0	0	0	2.293
39		6	1.95	0.139	0	0	0	2.113
40		7	1.755	0.139	0	0	0	1.932
41		8	1.56	0.139	0	0	0	1.751
42		9	1.365	0.139	0	0	0	1.571
43		10	1.17	0.139	0	0	0	1.39
44		11	0.975	0.139	0	0	0	1.209

Maximum Member Section Forces

LC	Member Label	Axial[k]	Loc[ft]	y Shear[k]	Loc[ft]	z Shear[k]	Loc[ft]	Torque[k-ft]	Loc[ft]	y-y Moment[k-ft]	Loc[ft]	z-z Moment[k-ft]	Loc[ft]
1	1	SR	max	2.925	0	-0.139	13	0	13	0	13	-1.209	13
2			min	0.975	13	-0.139	0	0	0	0	0	-3.016	0
3	1	T	max	-0.139	13	0.975	0	0	13	0	13	1.209	0
4			min	-0.139	0	-0.975	13	0	0	0	0	-1.96	6.5
5	1	B	max	0.139	13	1.95	13	0	13	0	13	3.322	6.5
6			min	0.139	0	-1.95	0	0	0	0	0	-3.016	0
7	1	SL	max	2.925	0	0.139	13	0	13	0	13	3.016	0
8			min	0.975	13	0.139	0	0	0	0	0	1.209	13

Member End Reactions

LC	Member Label	Member End	Axial[k]	y Shear[k]	z Shear[k]	Torque[k-ft]	y-y Moment[k-ft]	z-z Moment[k-ft]
1	1	SR	I	2.925	-0.139	0	0	-3.016
2			J	0.975	-0.139	0	0	-1.209
3	1	T	I	-0.139	0.975	0	0	1.209
4			J	-0.139	-0.975	0	0	1.209
5	1	B	I	0.139	-1.95	0	0	-3.016
6			J	0.139	1.95	0	0	-3.016
7	1	SL	I	2.925	0.139	0	0	3.016
8			J	0.975	0.139	0	0	1.209

Member Torsion Stresses

LC	Member Label	Sec	Torque[k-ft]	Shear[ksi]	y Warp Shear[ksi]	z Warp Shear[ksi]	z-Bot Warp Bend[ksi]	z-Top Warp Bend[ksi]
1	1	SR	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			6	0	0	NC	NC	NC
7			7	0	0	NC	NC	NC
8			8	0	0	NC	NC	NC
9			9	0	0	NC	NC	NC
10			10	0	0	NC	NC	NC
11			11	0	0	NC	NC	NC
12	1	T	1	0	0	NC	NC	NC
13			2	0	0	NC	NC	NC
14			3	0	0	NC	NC	NC
15			4	0	0	NC	NC	NC
16			5	0	0	NC	NC	NC
17			6	0	0	NC	NC	NC
18			7	0	0	NC	NC	NC

Member Torsion Stresses (Continued)

LC	Member Label	Sec	Torque[k-ft]	Shear[ksi]	y Warp Shear[ksi]	z Warp Shear[ksi]	z-Bot Warp Bend[ksi]	z-Top Warp Bend[ksi]
19		8	0	0	NC	NC	NC	NC
20		9	0	0	NC	NC	NC	NC
21		10	0	0	NC	NC	NC	NC
22		11	0	0	NC	NC	NC	NC
23	1	B	1	0	NC	NC	NC	NC
24		2	0	0	NC	NC	NC	NC
25		3	0	0	NC	NC	NC	NC
26		4	0	0	NC	NC	NC	NC
27		5	0	0	NC	NC	NC	NC
28		6	0	0	NC	NC	NC	NC
29		7	0	0	NC	NC	NC	NC
30		8	0	0	NC	NC	NC	NC
31		9	0	0	NC	NC	NC	NC
32		10	0	0	NC	NC	NC	NC
33		11	0	0	NC	NC	NC	NC
34	1	SL	1	0	NC	NC	NC	NC
35		2	0	0	NC	NC	NC	NC
36		3	0	0	NC	NC	NC	NC
37		4	0	0	NC	NC	NC	NC
38		5	0	0	NC	NC	NC	NC
39		6	0	0	NC	NC	NC	NC
40		7	0	0	NC	NC	NC	NC
41		8	0	0	NC	NC	NC	NC
42		9	0	0	NC	NC	NC	NC
43		10	0	0	NC	NC	NC	NC
44		11	0	0	NC	NC	NC	NC

Member Section Stresses

LC	Member Label	Sec	Axial[ksi]	y Shear[ksi]	z Shear[ksi]	y top Bending[ksi]	y bot Bending[ksi]	z top Bending[ksi]	z bot Bending[ksi]
1	1	SR	1	0.02	-0.001	0	0.18	-0.18	0
2		2	0.019	-0.001	0	0.169	-0.169	0	0
3		3	0.018	-0.001	0	0.158	-0.158	0	0
4		4	0.016	-0.001	0	0.147	-0.147	0	0
5		5	0.015	-0.001	0	0.136	-0.136	0	0
6		6	0.014	-0.001	0	0.126	-0.126	0	0
7		7	0.012	-0.001	0	0.115	-0.115	0	0
8		8	0.011	-0.001	0	0.104	-0.104	0	0
9		9	0.009	-0.001	0	0.093	-0.093	0	0
10		10	0.008	-0.001	0	0.083	-0.083	0	0
11		11	0.007	-0.001	0	0.072	-0.072	0	0
12	1	T	1	-0.001	0.01	0	-0.144	0.144	0
13		2	-0.001	0.008	0	-0.008	0.008	0	0
14		3	-0.001	0.006	0	0.097	-0.097	0	0
15		4	-0.001	0.004	0	0.173	-0.173	0	0
16		5	-0.001	0.002	0	0.218	-0.218	0	0
17		6	-0.001	0	0	0.233	-0.233	0	0
18		7	-0.001	-0.002	0	0.218	-0.218	0	0
19		8	-0.001	-0.004	0	0.173	-0.173	0	0
20		9	-0.001	-0.006	0	0.097	-0.097	0	0
21		10	-0.001	-0.008	0	-0.008	0.008	0	0
22		11	-0.001	-0.01	0	-0.144	0.144	0	0
23	1	B	1	0.001	-0.02	0	0.359	-0.359	0
24		2	0.001	-0.016	0	0.087	-0.087	0	0
25		3	0.001	-0.012	0	-0.124	0.124	0	0
26		4	0.001	-0.008	0	-0.275	0.275	0	0

Member Section Stresses (Continued)

LC Member Label Sec			Axial[ksi]	y Shear[ksi]	z Shear[ksi]	y top Bending[ksi]	y bot Bending[ksi]	z top Bending[ksi]	z bot Bending[ksi]	
27			5	0.001	-0.004	0	-0.365	0.365	0	0
28			6	0.001	0	0	-0.395	0.395	0	0
29			7	0.001	0.004	0	-0.365	0.365	0	0
30			8	0.001	0.008	0	-0.275	0.275	0	0
31			9	0.001	0.012	0	-0.124	0.124	0	0
32			10	0.001	0.016	0	0.087	-0.087	0	0
33			11	0.001	0.02	0	0.359	-0.359	0	0
34	1	SL	1	0.02	0.001	0	-0.18	0.18	0	0
35			2	0.019	0.001	0	-0.169	0.169	0	0
36			3	0.018	0.001	0	-0.158	0.158	0	0
37			4	0.016	0.001	0	-0.147	0.147	0	0
38			5	0.015	0.001	0	-0.136	0.136	0	0
39			6	0.014	0.001	0	-0.126	0.126	0	0
40			7	0.012	0.001	0	-0.115	0.115	0	0
41			8	0.011	0.001	0	-0.104	0.104	0	0
42			9	0.009	0.001	0	-0.093	0.093	0	0
43			10	0.008	0.001	0	-0.083	0.083	0	0
44			11	0.007	0.001	0	-0.072	0.072	0	0

Member Section Deflections - Service

No Data to Print...									
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Member Section Deflections - Strength

LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y' Ratio	(n) L/z' Ratio
1	1	SR	1	0	0	0	NC	NC
2		2	0	-0.006	0	0	NC	NC
3		3	0	-0.01	0	0	NC	NC
4		4	0	-0.013	0	0	NC	NC
5		5	0	-0.015	0	0	NC	NC
6		6	0	-0.015	0	0	NC	NC
7		7	0	-0.014	0	0	NC	NC
8		8	0	-0.012	0	0	NC	NC
9		9	0	-0.009	0	0	NC	NC
10		10	0	-0.005	0	0	NC	NC
11		11	0	0	0	0	NC	NC
12	1	T	1	0	0	0	NC	NC
13		2	0	-0.006	0	0	NC	NC
14		3	0	-0.012	0	0	NC	NC
15		4	0	-0.016	0	0	9793	NC
16		5	0	-0.02	0	0	8184	NC
17		6	0	-0.021	0	0	7740	NC
18		7	0	-0.02	0	0	8184	NC
19		8	0	-0.016	0	0	9793	NC
20		9	0	-0.012	0	0	NC	NC
21		10	0	-0.006	0	0	NC	NC
22		11	0	0	0	0	NC	NC
23	1	B	1	0	0	0	NC	NC
24		2	0	0.008	0	0	NC	NC
25		3	0	0.017	0	0	9183	NC
26		4	0	0.025	0	0	6292	NC
27		5	0	0.03	0	0	5191	NC
28		6	0	0.032	0	0	4891	NC
29		7	0	0.03	0	0	5191	NC
30		8	0	0.025	0	0	6292	NC

Member Section Deflections - Strength (Continued)

	LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y' Ratio	(n) L/z' Ratio
31			9	0	0.017	0	0	9183	NC
32			10	0	0.008	0	0	NC	NC
33			11	0	0	0	0	NC	NC
34	1	SL	1	0	0	0	0	NC	NC
35			2	0	0.006	0	0	NC	NC
36			3	0	0.01	0	0	NC	NC
37			4	0	0.013	0	0	NC	NC
38			5	0	0.015	0	0	NC	NC
39			6	0	0.015	0	0	NC	NC
40			7	0	0.014	0	0	NC	NC
41			8	0	0.012	0	0	NC	NC
42			9	0	0.009	0	0	NC	NC
43			10	0	0.005	0	0	NC	NC
44			11	0	0	0	0	NC	NC

Beam Deflections

	LC	Member Label	Span	Location [ft]	y' [in]	(n) L/y' Ratio
1	1	T	1	6.5	-0.02	7740
2	1	B	1	6.5	0.032	4891

Beam Deflection Checks

No Data to Print...

AISC 15TH (360-16): ASD Member Steel Code Checks

No Data to Print...

AISI S100-16: ASD Member Cold Formed Steel Code Checks

No Data to Print...

AWC NDS-18: ASD Member Wood Code Checks

No Data to Print...

AA ADM1-15: ASD - BUILDING Member Aluminum Code Checks

No Data to Print...

AISC 14TH (360-10): ASD Member Stainless Steel Code Checks

No Data to Print...

Concrete Beam Bending Reinforcement

	Member	Shape	Span
1	T	CRECT12X12	1
2	B	CRECT12X12	1

Concrete Beam Shear Reinforcement

	Member	Span
1	T	1
2	B	1

Concrete Column Bending Reinforcement

	Column	Shape	Span
1	SR	CRECT12X12	1
2	SL	CRECT12X12	1

Concrete Column Shear Reinforcement

	Column	Span
1	SR	1
2	SL	1

Member Suggested Designs

	Section Set/Member	Current Shape	Suggested Shape	Controlling Member	Controlling Criteria	Use Suggested?
1	T	CRECT12X12	No Shapes Found	T	Strength	Yes
2	B	CRECT12X12	No Shapes Found	B	Strength	Yes
3	S	CRECT12X12	CRECT8X8	SL	Strength	Yes

Plate Principal Stresses

No Data to Print...

Plate Forces (per ft)

No Data to Print...

Plate Corner Forces

No Data to Print...

Solid Stresses

No Data to Print...

Solid Principal Stresses

No Data to Print...

Solid Corner Forces

No Data to Print...

Wall Panel Forces

No Data to Print...

Concrete Wall Reinforcement

No Data to Print...

Masonry Wall Reinforcement

No Data to Print...

Masonry Lintel Reinforcement

No Data to Print...

ACI 318-19 Wall Panel Concrete Code Checks (In-Plane)

No Data to Print...

ACI 318-19 Wall Panel Concrete Code Checks (Out-of-Plane)

No Data to Print...

TMS 402-16: ASD Wall Panel Masonry Code Checks (In-Plane)

No Data to Print...

TMS 402-16: ASD Wall Panel Masonry Code Checks (Out-of-Plane)

No Data to Print...

Wall Panel TMS 402-16: ASD Masonry Code Checks for Lintels

No Data to Print...

AWC NDS-18: ASD Wall Panel Wood Code Checks (Axial)

No Data to Print...

AWC NDS-18: ASD Wall Panel Wood Code Checks (In-Plane)

No Data to Print...

AWC NDS-18: ASD Wall Panel Wood Code Checks (Header)

No Data to Print...

AISI S100-16: ASD Wall Panel CFS Code Checks (Axial)

No Data to Print...

AISI S100-16: ASD Wall Panel CFS Code Checks (In-Plane)

No Data to Print...

ACI 318-19 Wall Panel Concrete Code Checks (Seismic)

No Data to Print...

Masonry Wall Suggested Design

No Data to Print...

Wood Wall Suggested Design

No Data to Print...

X-Direction Story Drift - Service

No Data to Print...

Z-Direction Story Drift - Service

No Data to Print...

X-Direction Story Drift - Strength

No Data to Print...

Z-Direction Story Drift - Strength

No Data to Print...

Envelope Node Reactions

No Data to Print...

Envelope Node Reactions - Overstrength or Capacity Limit

No Data to Print...

Envelope Node Displacements

No Data to Print...

Envelope Member Section Forces

No Data to Print...

Envelope Maximum Member Section Forces

No Data to Print...

Envelope Member End Reactions

No Data to Print...

Envelope Member Section Torsion

No Data to Print...

Envelope Member Section Stresses

No Data to Print...

Envelope Member Section Deflections Service

No Data to Print...

Envelope Member Section Deflections Strength

No Data to Print...

Envelope Beam Deflections

No Data to Print...

Envelope Beam Deflection Checks

No Data to Print...

Envelope AISC 15th (360-16): ASD Steel Code Checks

No Data to Print...

Envelope AISI S100-16: ASD Cold Formed Steel Code Checks

No Data to Print...

Envelope Wood Code Checks

No Data to Print...

Envelope Concrete Beam Design Results

No Data to Print...

Envelope Concrete Column Design Results

No Data to Print...

Envelope AA ADM1-15: ASD - Building Aluminum Code Checks

No Data to Print...

Envelope AISC 14th (360-10): ASD Stainless Steel Code Checks

No Data to Print...

Envelope Plate Principal Stresses

No Data to Print...

Envelope Plate Forces (per ft)

No Data to Print...

Envelope Plate/Shell Corner Forces

No Data to Print...

Envelope Solid Stresses

No Data to Print...

Envelope Solid Principal Stresses

No Data to Print...

Envelope Solid Corner Forces

No Data to Print...

Envelope Wall Panel Forces

No Data to Print...

Envelope Story Drift - X-Direction, Service

No Data to Print...

Envelope Story Drift - Z-Direction, Service

No Data to Print...

Envelope Story Drift - X-Direction, Strength

No Data to Print...

Envelope Story Drift - Z-Direction, Strength

No Data to Print...

Frequencies and Participation

No Data to Print...

Seismic Detailing - Columns

No Data to Print...

Seismic Detailing - Beams

No Data to Print...

Seismic Detailing - Braces

No Data to Print...

Material Take-Off

	Material	Size	Pieces	Length[ft] Volume (yds^3)	Weight[K]
1	Concrete Members				
2	Conc5000NW	CRECT12X12	4	1.9	7.8
3	Total Concrete		4	1.9	7.8

Connection Design Results

No Data to Print...

Warning Log

No Data to Print...