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Project Name: Specific Title:
File Name: BestBuySlab Date of Generation: Monday, April 06, 2009

Selfweight
Super Imposed Dead
Live
Other
Prestressing
Hyper-Static

Load Combinations

SERVICE_1_Min_LL
SERVICE_1_Max_LL
SERVICE_2_Min_LL
SERVICE_2_Max_LL
STRENGTH_1_Min_LL
STRENGTH_1_Max_LL
INITIAL_MIN_LL
INITIAL_MAX_LL
Cracking_Moment
Envelope

A. Design Parameters and Load Combinations

A.1 Project Design Parameters

Parameter	Value	Parameter	Value
Concrete		Post-tensioning	
F'c for BEAMS/SLABS	4000.00 psi	SYSTEM	UNBONDED
Ec for BEAMS/SLABS	3605.00 ksi	Fpu	270.00 ksi
CREEP factor	2.00	Fse	175.00 ksi
CONCRETE WEIGHT	NORMAL	Strand area	0.153 in 2
UNIT WEIGHT	150.00 pcf	Min CGS from TOP	1.00 in
Tension stress limits / (f'c) ^{1/2}		Min CGS from BOT for interior spans	1.00 in
At Top	6.000	Min CGS from BOT for exterior spans	1.75 in
At Bottom	6.000	Min average precompression	150.00 psi
Compression stress limits / f'c		Max spacing / slab depth	8.00
At all locations	0.450	Analysis and design options	
Reinforcement		Structural system	ONE-WAY
Fy (Main bars)	60.00 ksi	Moment of Inertia over support is	NOT INCREASED
Fy (Shear reinforcement)	60.00 ksi	Moments reduced to face of support	YES
Minimum Cover at TOP	1.00 in	Moment Redistribution	NO
Minimum Cover at BOTTOM	1.00 in	DESIGN CODE SELECTED	ACI-318 (2005)

A.2 Load Combinations

Strength load combinations

- 1.2 SW + 1.6 LL + 1.2 SDL + 1.6 X + 1 HYP

Service load combinations

Sustained Load

- 1 SW + 0.3 LL + 1 SDL + 0.3 X + 1 PT

Total Load

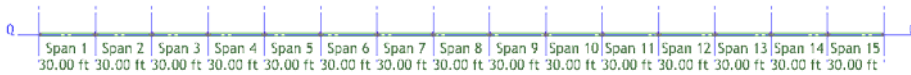
- 1 SW + 1 LL + 1 SDL + 1 X + 1 PT

Initial load combinations

- 1 SW + 0 LL + 0 SDL + 0 X + 1.15 PT

B. Design Strip Report: B.1 Geometry

- Plan



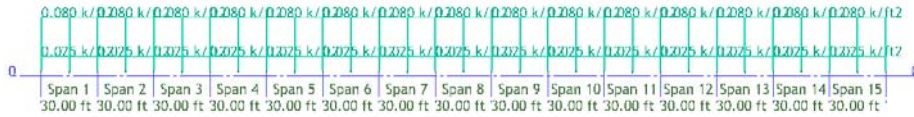
- Elevation



Project Name: Specific Title:
File Name: BestBuySlab Date of Generation: Monday, April 06, 2009

B.2 Applied loads

- Superimposed Dead Load



- X Load



Project Name: Specific Title:
File Name: BestBuySlab Date of Generation: Monday, April 06, 2009

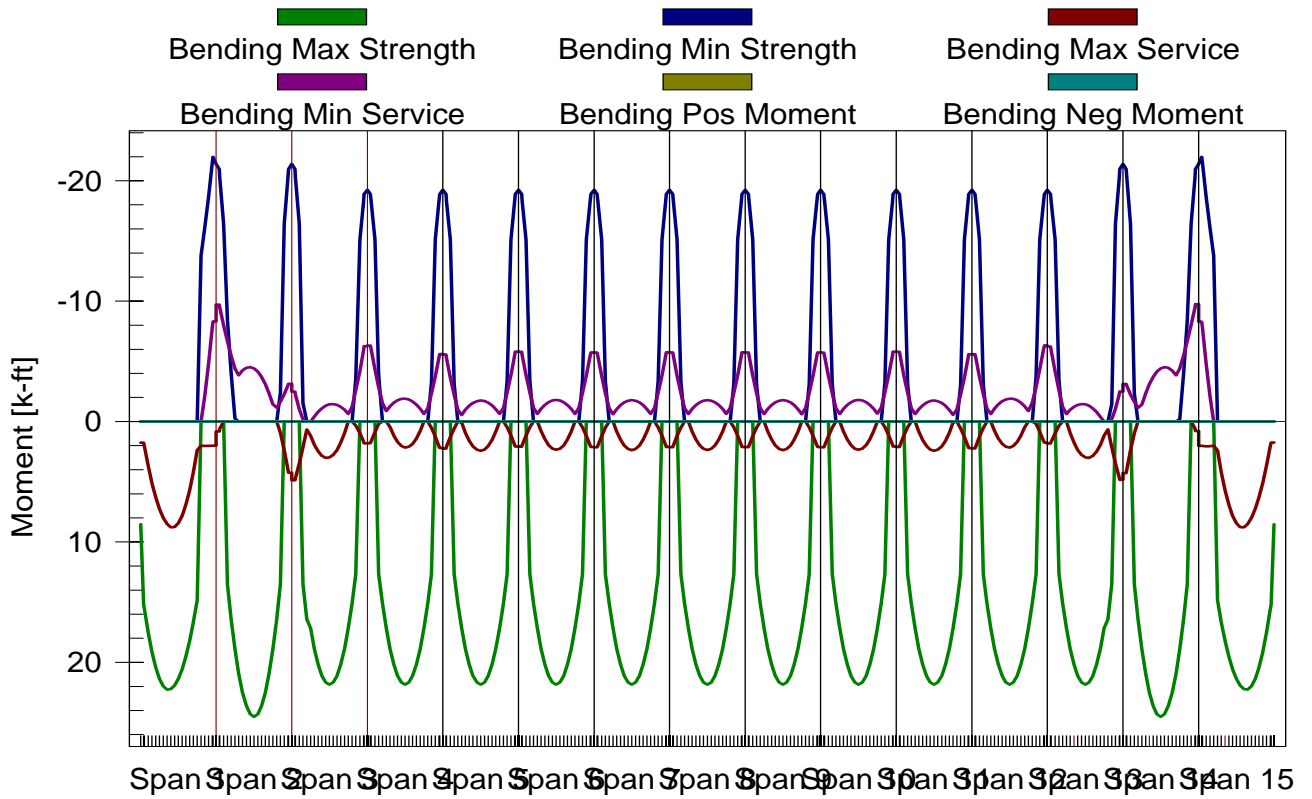
B.3 Design Moment

LOAD COMBINATION: Envelope

Moment Diagrams

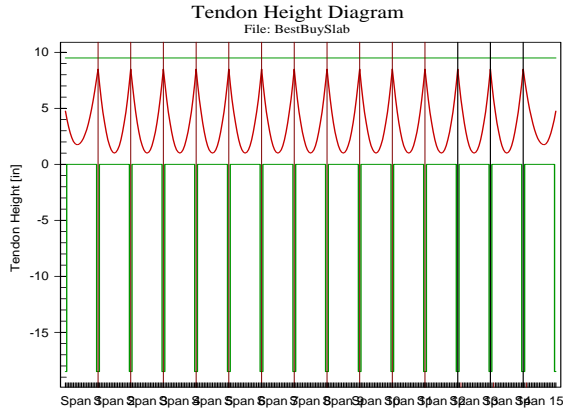
Project: "" / Load Case: Envelope

Moment Drawn on Tension Side



DESIGN MOMENT
 (Moment is drawn on tension side)

B.4 Tendon Profile



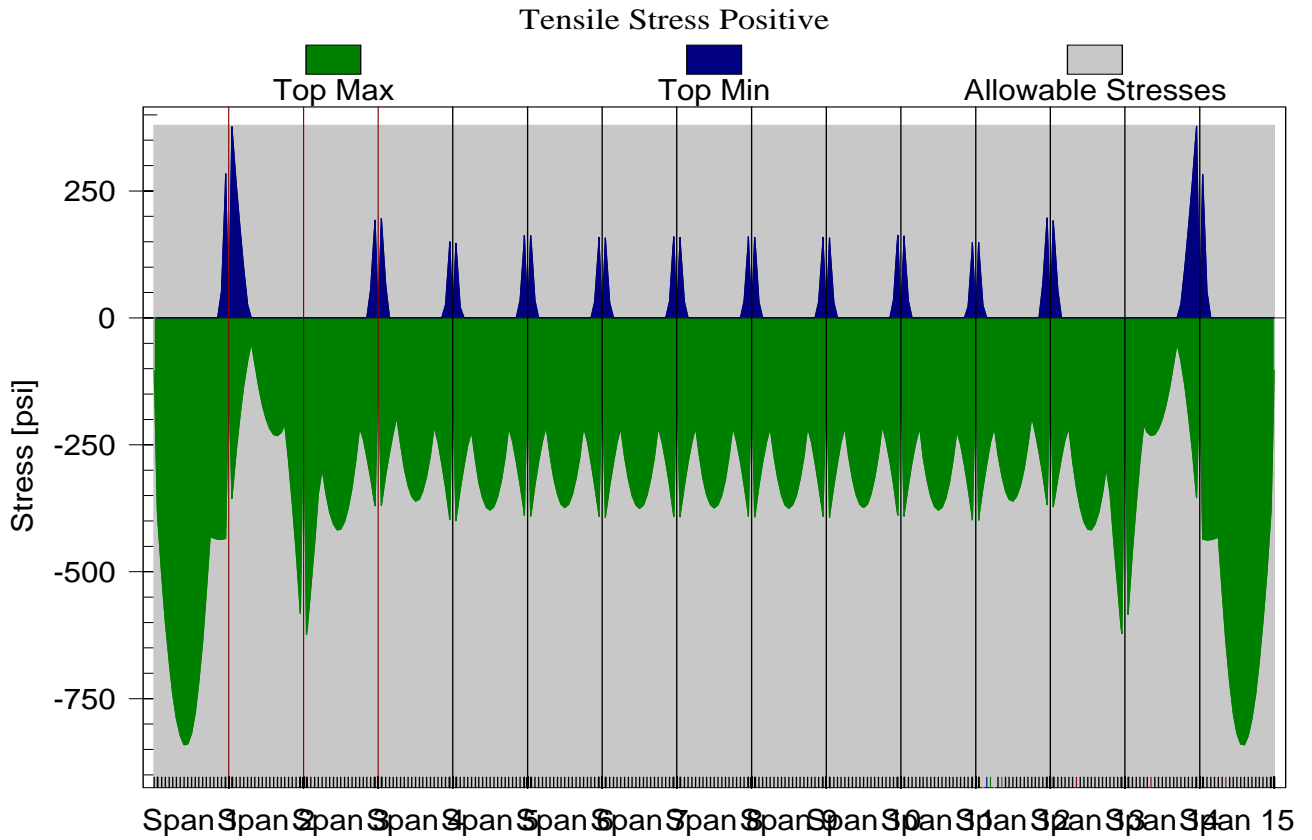
POST-TENSIONING PROFILE

B.5 Stress check results / Code check

LOAD COMBINATION: Envelope

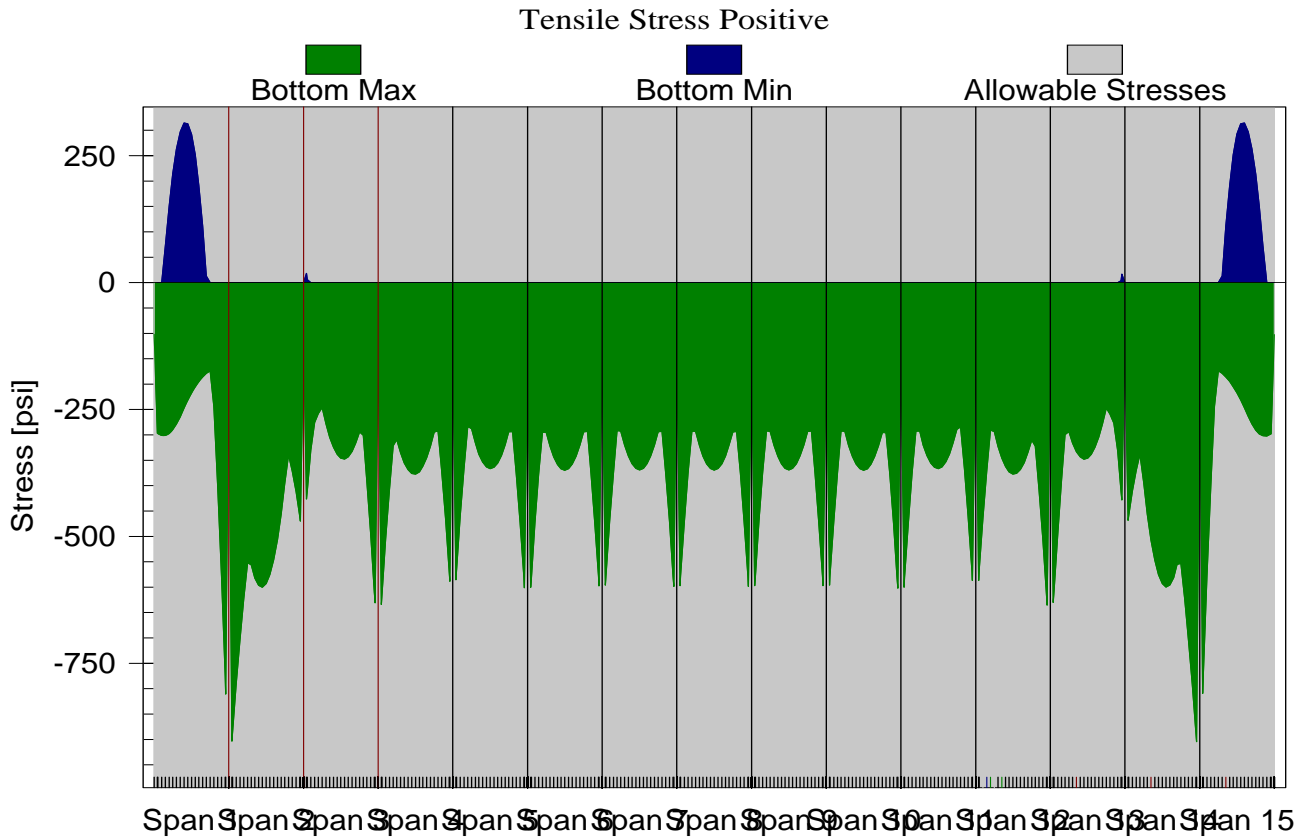
Stress Diagrams

Project: "" / Load Case: Envelope



Stress Diagrams

Project: "" / Load Case: Envelope



SERVICE COMBINATION STRESSES
(Tension stress positive)

B.6 Rebar Report

Base Reinforcement

Isolated bars

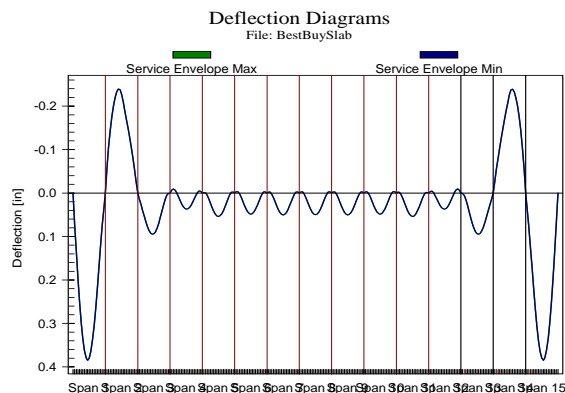
Span	Location	From	Quantity	Size	Cover	Length	Area
--	--	ft	--	--	in	ft	in2
1.00	BOT	.00	4.00	6.00	2.00	450.00	1.76

Mesh Reinforcement

Total Strip Provided Rebar

Span	ID	Location	From	Quantity	Size	Length	Area
			ft			ft	in2
1	1	TOP	0.00	1	5	6.00	0.31
1	2	TOP	24.00	1	5	12.00	0.31
2	3	TOP	9.00	1	5	12.00	0.31
2	4	TOP	24.00	1	5	12.00	0.31
3	5	TOP	24.00	1	5	12.00	0.31
4	6	TOP	24.00	1	5	12.00	0.31
5	7	TOP	24.00	1	5	12.00	0.31
6	8	TOP	24.00	1	5	12.00	0.31
7	9	TOP	24.00	1	5	12.00	0.31
8	10	TOP	24.00	1	5	12.00	0.31
9	11	TOP	24.00	1	5	12.00	0.31
10	12	TOP	24.00	1	5	12.00	0.31
11	13	TOP	24.00	1	5	12.00	0.31
12	14	TOP	24.00	1	5	12.00	0.31
13	15	TOP	24.00	1	5	12.00	0.31
14	16	TOP	9.00	1	5	12.00	0.31
14	17	TOP	24.00	1	5	12.00	0.31
15	18	TOP	24.00	1	5	6.00	0.31

B.8 Deflection



DEFLECTION

B.9 Quantities

CONCRETE

13.19 yd³

MILD STEEL

2905.91 lbs

PRESTRESSING MATERIAL

302.6 lb

1 - USER SPECIFIED GENERAL ANALYSIS AND DESIGN PARAMETERS

Parameter	Value	Parameter	Value
Concrete		Post-tensioning	
F'c for BEAMS/SLABS	4000.00 psi	SYSTEM	UNBONDED
Ec for BEAMS/SLABS	3605.00 ksi	Fpu	270.00 ksi
CREEP factor	2.00	Fse	175.00 ksi
CONCRETE WEIGHT	NORMAL	Strand area	0.153 in ²
UNIT WEIGHT	150.00 pcf	Min CGS from TOP	1.00 in
Tension stress limits / (f'c) ^{1/2}		Min CGS from BOT for interior spans	1.00 in
At Top	6.000	Min CGS from BOT for exterior spans	1.75 in
At Bottom	6.000	Min average precompression	150.00 psi
Compression stress limits / f'c		Max spacing / slab depth	8.00
At all locations	0.450	Analysis and design options	
Reinforcement		Structural system	ONE-WAY
Fy (Main bars)	60.00 ksi	Moment of Inertia over support is	NOT INCREASED
Fy (Shear reinforcement)	60.00 ksi	Moments reduced to face of support	YES
Minimum Cover at TOP	1.00 in	Moment Redistribution	NO
Minimum Cover at BOTTOM	1.00 in	DESIGN CODE SELECTED	ACI-318 (2005)

2 - INPUT GEOMETRY

2.1 Principal Span Data of Uniform Spans

Span	Form	Length	Width	Depth	TF Width	TF Thick.	BF/MF Width	BF/MF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in	in	in		
1	1	30.00	12.00	9.50					9.50	0.50	0.50
2	1	30.00	12.00	9.50					9.50	0.50	0.50
3	1	30.00	12.00	9.50					9.50	0.50	0.50
4	1	30.00	12.00	9.50					9.50	0.50	0.50
5	1	30.00	12.00	9.50					9.50	0.50	0.50
6	1	30.00	12.00	9.50					9.50	0.50	0.50
7	1	30.00	12.00	9.50					9.50	0.50	0.50
8	1	30.00	12.00	9.50					9.50	0.50	0.50
9	1	30.00	12.00	9.50					9.50	0.50	0.50
10	1	30.00	12.00	9.50					9.50	0.50	0.50
11	1	30.00	12.00	9.50					9.50	0.50	0.50
12	1	30.00	12.00	9.50					9.50	0.50	0.50
13	1	30.00	12.00	9.50					9.50	0.50	0.50
14	1	30.00	12.00	9.50					9.50	0.50	0.50
15	1	30.00	12.00	9.50					9.50	0.50	0.50

2.6 Transverse Beam Data

Joint	Depth	Width Before	Width After
	in	in	in
1	28.00	0.00	15.00
2	28.00	15.00	15.00
3	28.00	15.00	15.00
4	28.00	15.00	15.00
5	28.00	15.00	15.00
6	28.00	15.00	15.00
7	28.00	15.00	15.00
8	28.00	15.00	15.00
9	28.00	15.00	15.00
10	28.00	15.00	15.00
11	28.00	15.00	15.00
12	28.00	15.00	15.00
13	28.00	15.00	15.00
14	28.00	15.00	15.00
15	28.00	15.00	15.00
16	28.00	15.00	0.00

2.7 Support Width and Column Data

Joint	Support Width	Length LC	B(DIA.) LC	D LC	% LC	CBC LC	Length UC	B(DIA.) UC	D UC	% UC	CBC UC
	in	ft	in	in			ft	in	in		
1	30.0	0.0	0.0	0.0	100	(1)					
2	30.0	0.0	0.0	0.0	100	(1)					
3	30.0	0.0	0.0	0.0	100	(1)					
4	30.0	0.0	0.0	0.0	100	(1)					
5	30.0	0.0	0.0	0.0	100	(1)					
6	30.0	0.0	0.0	0.0	100	(1)					
7	30.0	0.0	0.0	0.0	100	(1)					
8	30.0	0.0	0.0	0.0	100	(1)					
9	30.0	0.0	0.0	0.0	100	(1)					
10	30.0	0.0	0.0	0.0	100	(1)					
11	30.0	0.0	0.0	0.0	100	(1)					
12	30.0	0.0	0.0	0.0	100	(1)					
13	30.0	0.0	0.0	0.0	100	(1)					
14	30.0	0.0	0.0	0.0	100	(1)					
15	30.0	0.0	0.0	0.0	100	(1)					
16	30.0	0.0	0.0	0.0	100	(1)					

3 - INPUT APPLIED LOADING

3.1 Loading As Appears in User's Input Screen

Span	Class	Type	W	P1	P2	A	B	C	F	M
			k/ft2	k/ft	k/ft	ft	ft	ft	k	k-ft
1	SDL	U	0.025							
1	SDL	U	0.080							
2	SDL	U	0.025							
2	SDL	U	0.080							
3	SDL	U	0.025							
3	SDL	U	0.080							
4	SDL	U	0.025							
4	SDL	U	0.080							
5	SDL	U	0.025							
5	SDL	U	0.080							

6	SDL	U	0.025							
6	SDL	U	0.080							
7	SDL	U	0.025							
7	SDL	U	0.080							
8	SDL	U	0.025							
8	SDL	U	0.080							
9	SDL	U	0.025							
9	SDL	U	0.080							
10	SDL	U	0.025							
10	SDL	U	0.080							
11	SDL	U	0.025							
11	SDL	U	0.080							
12	SDL	U	0.025							
12	SDL	U	0.080							
13	SDL	U	0.025							
13	SDL	U	0.080							
14	SDL	U	0.025							
14	SDL	U	0.080							
15	SDL	U	0.025							
15	SDL	U	0.080							

NOTE: SELFWEIGHT INCLUSION REQUIRED (SW= SELF WEIGHT Computed from geometry
 input and treated as dead loading. Unit selfweight W = 150.0 pcf
 NOTE: LIVE LOADING is SKIPPED with a skip factor of 1.00

3.2 Compiled loads

Span	Class	Type	P1	P2	F	M	A	B	C	Reduction Factor
			k/ft	k/ft	k	k-ft	ft	ft	ft	%
1	SDL	P	0.025				0.000	30.000		
1	SDL	P	0.080				0.000	30.000		
1	SW	P	0.350				0.000	1.250		
1	SW	P	0.119				1.250	28.750		
1	SW	P	0.350				28.750	30.000		
2	SDL	P	0.025				0.000	30.000		
2	SDL	P	0.080				0.000	30.000		
2	SW	P	0.350				0.000	1.250		
2	SW	P	0.119				1.250	28.750		
2	SW	P	0.350				28.750	30.000		
3	SDL	P	0.025				0.000	30.000		
3	SDL	P	0.080				0.000	30.000		
3	SW	P	0.350				0.000	1.250		
3	SW	P	0.119				1.250	28.750		
3	SW	P	0.350				28.750	30.000		
4	SDL	P	0.025				0.000	30.000		
4	SDL	P	0.080				0.000	30.000		
4	SW	P	0.350				0.000	1.250		
4	SW	P	0.119				1.250	28.750		
4	SW	P	0.350				28.750	30.000		
5	SDL	P	0.025				0.000	30.000		
5	SDL	P	0.080				0.000	30.000		
5	SW	P	0.350				0.000	1.250		
5	SW	P	0.119				1.250	28.750		
5	SW	P	0.350				28.750	30.000		
6	SDL	P	0.025				0.000	30.000		
6	SDL	P	0.080				0.000	30.000		
6	SW	P	0.350				0.000	1.250		

6	SW	P	0.119				1.250	28.750		
6	SW	P	0.350				28.750	30.000		
7	SDL	P	0.025				0.000	30.000		
7	SDL	P	0.080				0.000	30.000		
7	SW	P	0.350				0.000	1.250		
7	SW	P	0.119				1.250	28.750		
7	SW	P	0.350				28.750	30.000		
8	SDL	P	0.025				0.000	30.000		
8	SDL	P	0.080				0.000	30.000		
8	SW	P	0.350				0.000	1.250		

8	SW	P	0.119				1.250	28.750		
8	SW	P	0.350				28.750	30.000		
9	SDL	P	0.025				0.000	30.000		
9	SDL	P	0.080				0.000	30.000		
9	SW	P	0.350				0.000	1.250		
9	SW	P	0.119				1.250	28.750		
9	SW	P	0.350				28.750	30.000		
10	SDL	P	0.025				0.000	30.000		
10	SDL	P	0.080				0.000	30.000		
10	SW	P	0.350				0.000	1.250		
10	SW	P	0.119				1.250	28.750		
10	SW	P	0.350				28.750	30.000		
11	SDL	P	0.025				0.000	30.000		
11	SDL	P	0.080				0.000	30.000		
11	SW	P	0.350				0.000	1.250		
11	SW	P	0.119				1.250	28.750		
11	SW	P	0.350				28.750	30.000		
12	SDL	P	0.025				0.000	30.000		
12	SDL	P	0.080				0.000	30.000		
12	SW	P	0.350				0.000	1.250		
12	SW	P	0.119				1.250	28.750		
12	SW	P	0.350				28.750	30.000		
13	SDL	P	0.025				0.000	30.000		
13	SDL	P	0.080				0.000	30.000		
13	SW	P	0.350				0.000	1.250		
13	SW	P	0.119				1.250	28.750		
13	SW	P	0.350				28.750	30.000		
14	SDL	P	0.025				0.000	30.000		
14	SDL	P	0.080				0.000	30.000		
14	SW	P	0.350				0.000	1.250		
14	SW	P	0.119				1.250	28.750		
14	SW	P	0.350				28.750	30.000		
15	SDL	P	0.025				0.000	30.000		
15	SDL	P	0.080				0.000	30.000		
15	SW	P	0.350				0.000	1.250		
15	SW	P	0.119				1.250	28.750		
15	SW	P	0.350				28.750	30.000		

4 - CALCULATED SECTION PROPERTIES

4.2 Section Properties for Non-Uniform Spans

Span	Segment	Area	I	Yb	Yt
		in ²	in ⁴	in	in
1	1	336.00	0.22E+05	14.00	14.00

1	2	114.00	0.86E+03	4.75	4.75
1	3	336.00	0.22E+05	14.00	14.00
2	1	336.00	0.22E+05	14.00	14.00
2	2	114.00	0.86E+03	4.75	4.75
2	3	336.00	0.22E+05	14.00	14.00
3	1	336.00	0.22E+05	14.00	14.00
3	2	114.00	0.86E+03	4.75	4.75
3	3	336.00	0.22E+05	14.00	14.00
4	1	336.00	0.22E+05	14.00	14.00
4	2	114.00	0.86E+03	4.75	4.75
4	3	336.00	0.22E+05	14.00	14.00
5	1	336.00	0.22E+05	14.00	14.00
5	2	114.00	0.86E+03	4.75	4.75
5	3	336.00	0.22E+05	14.00	14.00
6	1	336.00	0.22E+05	14.00	14.00
6	2	114.00	0.86E+03	4.75	4.75
6	3	336.00	0.22E+05	14.00	14.00
7	1	336.00	0.22E+05	14.00	14.00
7	2	114.00	0.86E+03	4.75	4.75
7	3	336.00	0.22E+05	14.00	14.00
8	1	336.00	0.22E+05	14.00	14.00
8	2	114.00	0.86E+03	4.75	4.75
8	3	336.00	0.22E+05	14.00	14.00
9	1	336.00	0.22E+05	14.00	14.00
9	2	114.00	0.86E+03	4.75	4.75
9	3	336.00	0.22E+05	14.00	14.00
10	1	336.00	0.22E+05	14.00	14.00
10	2	114.00	0.86E+03	4.75	4.75
10	3	336.00	0.22E+05	14.00	14.00
11	1	336.00	0.22E+05	14.00	14.00
11	2	114.00	0.86E+03	4.75	4.75
11	3	336.00	0.22E+05	14.00	14.00
12	1	336.00	0.22E+05	14.00	14.00
12	2	114.00	0.86E+03	4.75	4.75
12	3	336.00	0.22E+05	14.00	14.00
13	1	336.00	0.22E+05	14.00	14.00
13	2	114.00	0.86E+03	4.75	4.75

13	3	336.00	0.22E+05	14.00	14.00
14	1	336.00	0.22E+05	14.00	14.00
14	2	114.00	0.86E+03	4.75	4.75
14	3	336.00	0.22E+05	14.00	14.00
15	1	336.00	0.22E+05	14.00	14.00
15	2	114.00	0.86E+03	4.75	4.75
15	3	336.00	0.22E+05	14.00	14.00

5 - MOMENTS, SHEARS AND REACTIONS

5.1 Span Moments and Shears (Excluding Live Load)

Span	Load Case	Moment Left	Moment Midspan	Moment Right	Shear Left	Shear Right
		k-ft	k-ft	k-ft	k	k
1	SW	0.00	7.19	-12.69	-1.65	2.49
2	SW	-12.69	2.79	-8.81	-2.20	1.94
3	SW	-8.81	4.14	-10.00	-2.03	2.11
4	SW	-10.00	3.72	-9.63	-2.08	2.06

5	SW	-9.63	3.85	-9.74	-2.07	2.07
6	SW	-9.74	3.81	-9.71	-2.07	2.07
7	SW	-9.71	3.82	-9.72	-2.07	2.07
8	SW	-9.72	3.82	-9.72	-2.07	2.07
9	SW	-9.72	3.82	-9.71	-2.07	2.07
10	SW	-9.71	3.81	-9.74	-2.07	2.07
11	SW	-9.74	3.85	-9.63	-2.07	2.07
12	SW	-9.63	3.72	-10.00	-2.06	2.08
13	SW	-10.00	4.14	-8.81	-2.11	2.03
14	SW	-8.81	2.79	-12.69	-1.94	2.20
15	SW	-12.69	7.19	0.00	-2.49	1.65
1	SDL	0.00	6.30	-11.02	-1.21	1.94
2	SDL	-11.02	2.48	-7.65	-1.69	1.46
3	SDL	-7.65	3.65	-8.68	-1.54	1.61
4	SDL	-8.68	3.29	-8.36	-1.59	1.56
5	SDL	-8.36	3.40	-8.46	-1.57	1.58
6	SDL	-8.46	3.37	-8.43	-1.58	1.57
7	SDL	-8.43	3.38	-8.44	-1.57	1.58
8	SDL	-8.44	3.37	-8.44	-1.58	1.58
9	SDL	-8.44	3.38	-8.43	-1.58	1.57
10	SDL	-8.43	3.37	-8.46	-1.57	1.58
11	SDL	-8.46	3.40	-8.36	-1.58	1.57
12	SDL	-8.36	3.29	-8.68	-1.56	1.59
13	SDL	-8.68	3.65	-7.65	-1.61	1.54
14	SDL	-7.65	2.48	-11.02	-1.46	1.69
15	SDL	-11.02	6.30	0.00	-1.94	1.21
1	XL	0.00	0.00	0.00	0.00	0.00
2	XL	0.00	0.00	0.00	0.00	0.00
3	XL	0.00	0.00	0.00	0.00	0.00
4	XL	0.00	0.00	0.00	0.00	0.00
5	XL	0.00	0.00	0.00	0.00	0.00
6	XL	0.00	0.00	0.00	0.00	0.00
7	XL	0.00	0.00	0.00	0.00	0.00
8	XL	0.00	0.00	0.00	0.00	0.00

9	XL	0.00	0.00	0.00	0.00	0.00
10	XL	0.00	0.00	0.00	0.00	0.00
11	XL	0.00	0.00	0.00	0.00	0.00
12	XL	0.00	0.00	0.00	0.00	0.00
13	XL	0.00	0.00	0.00	0.00	0.00
14	XL	0.00	0.00	0.00	0.00	0.00
15	XL	0.00	0.00	0.00	0.00	0.00

5.2 Reactions and Column Moments (Excluding Live Load)

Joint	Load Case	Reaction	Moment Lower Column	Moment Upper Column
		k	k-ft	k-ft
1	SW	1.65	0.00	0.00
2	SW	4.69	0.00	0.00
3	SW	3.97	0.00	0.00
4	SW	4.19	0.00	0.00
5	SW	4.12	0.00	0.00
6	SW	4.15	0.00	0.00
7	SW	4.14	0.00	0.00
8	SW	4.14	0.00	0.00
9	SW	4.14	0.00	0.00
10	SW	4.14	0.00	0.00

11	SW	4.15	0.00	0.00
12	SW	4.12	0.00	0.00
13	SW	4.19	0.00	0.00
14	SW	3.97	0.00	0.00
15	SW	4.69	0.00	0.00
16	SW	1.65	0.00	0.00
1	SDL	1.21	0.00	0.00
2	SDL	3.63	0.00	0.00
3	SDL	3.00	0.00	0.00
4	SDL	3.19	0.00	0.00
5	SDL	3.14	0.00	0.00
6	SDL	3.15	0.00	0.00
7	SDL	3.15	0.00	0.00
8	SDL	3.15	0.00	0.00
9	SDL	3.15	0.00	0.00
10	SDL	3.15	0.00	0.00
11	SDL	3.15	0.00	0.00
12	SDL	3.14	0.00	0.00
13	SDL	3.19	0.00	0.00
14	SDL	3.00	0.00	0.00
15	SDL	3.63	0.00	0.00
16	SDL	1.21	0.00	0.00
1	XL	0.00	0.00	0.00
2	XL	0.00	0.00	0.00
3	XL	0.00	0.00	0.00
4	XL	0.00	0.00	0.00
5	XL	0.00	0.00	0.00
6	XL	0.00	0.00	0.00

7	XL	0.00	0.00	0.00
8	XL	0.00	0.00	0.00
9	XL	0.00	0.00	0.00
10	XL	0.00	0.00	0.00
11	XL	0.00	0.00	0.00
12	XL	0.00	0.00	0.00
13	XL	0.00	0.00	0.00
14	XL	0.00	0.00	0.00
15	XL	0.00	0.00	0.00
16	XL	0.00	0.00	0.00

5.3 Span Moments and Shears (Live Load)

Span	Moment Left Max	Moment Left Min	Moment Midspan Max	Moment Midspan Min	Moment Right Max	Moment Right Min	Shear Left	Shear Right
	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k	k
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.4 Reactions and Column Moments (Live Load)

Joint	Reaction Max	Reaction Min	Moment Lower Column Max	Moment Lower Column Min	Moment Upper Column Max	Moment Upper Column Min
	k	k	k-ft	k-ft	k-ft	k-ft
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00

6 - MOMENTS REDUCED TO FACE OF SUPPORT

6.1 Reduced Moments at Face of Support (Excluding Live Load)

Span	Load Case	Moment Left	Moment Midspan	Moment Right
		k-ft	k-ft	k-ft
1	SW	1.79	7.19	-9.85
2	SW	-10.22	2.79	-6.66
3	SW	-6.54	4.14	-7.63
4	SW	-7.67	3.73	-7.33
5	SW	-7.32	3.85	-7.42
6	SW	-7.43	3.81	-7.40
7	SW	-7.40	3.83	-7.41
8	SW	-7.41	3.82	-7.41
9	SW	-7.41	3.83	-7.40
10	SW	-7.40	3.81	-7.43
11	SW	-7.42	3.85	-7.32
12	SW	-7.33	3.73	-7.67
13	SW	-7.63	4.14	-6.54
14	SW	-6.66	2.79	-10.22
15	SW	-9.85	7.19	1.79
1	SDL	1.43	6.30	-8.68
2	SDL	-8.99	2.48	-5.90
3	SDL	-5.80	3.65	-6.75
4	SDL	-6.78	3.29	-6.49
5	SDL	-6.48	3.40	-6.57
6	SDL	-6.57	3.37	-6.54
7	SDL	-6.54	3.38	-6.55
8	SDL	-6.55	3.38	-6.55
9	SDL	-6.55	3.38	-6.54
10	SDL	-6.54	3.37	-6.57

11	SDL	-6.57	3.40	-6.48
12	SDL	-6.49	3.29	-6.78
13	SDL	-6.75	3.65	-5.80
14	SDL	-5.90	2.48	-8.99
15	SDL	-8.68	6.30	1.43
1	XL	0.00	0.00	0.00
2	XL	0.00	0.00	0.00
3	XL	0.00	0.00	0.00
4	XL	0.00	0.00	0.00
5	XL	0.00	0.00	0.00
6	XL	0.00	0.00	0.00
7	XL	0.00	0.00	0.00
8	XL	0.00	0.00	0.00

9	XL	0.00	0.00	0.00
10	XL	0.00	0.00	0.00
11	XL	0.00	0.00	0.00
12	XL	0.00	0.00	0.00
13	XL	0.00	0.00	0.00
14	XL	0.00	0.00	0.00
15	XL	0.00	0.00	0.00

6.2 Reduced Moments at Face of Support (Live Load)

Span	Moment Left Max	Moment Left Min	Moment Midspan Max	Moment Midspan Min	Moment Right Max	Moment Right Min
	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00

7 - SELECTED POST-TENSIONING FORCES AND TENDON PROFILES

7.1 Tendon Profile

Tendon A

Span	Type	X1/L	X2/L	X3/L	A/L
1	1	0.000	0.366	0.000	---
2	1	0.000	0.500	0.000	---
3	1	0.000	0.500	0.000	---
4	1	0.000	0.500	0.000	---
5	1	0.000	0.500	0.000	---
6	1	0.000	0.500	0.000	---
7	1	0.000	0.500	0.000	---
8	1	0.000	0.500	0.000	---

9	1	0.000	0.500	0.000	---
10	1	0.000	0.500	0.000	---
11	1	0.000	0.500	0.000	---
12	1	0.000	0.500	0.000	---
13	1	0.000	0.500	0.000	---
14	1	0.000	0.500	0.000	---
15	1	0.000	0.634	0.000	---

7.2 Selected Post-Tensioning Forces and Tendon Drapes
Tendon A

Span	Force k	CGS Left in	CGS C1 in	CGS C2 in	CGS Right in	P/A psi	Wbal k/-	WBal (%DL)
1	30.000	4.75	---	1.75	8.50	263.16	0.105	43
2	30.000	8.50	---	1.00	8.50	263.16	0.167	69
3	25.000	8.50	---	1.00	8.50	219.30	0.139	57
4	25.000	8.50	---	1.00	8.50	219.30	0.139	57
5	25.000	8.50	---	1.00	8.50	219.30	0.139	57
6	25.000	8.50	---	1.00	8.50	219.30	0.139	57
7	25.000	8.50	---	1.00	8.50	219.30	0.139	57
8	25.000	8.50	---	1.00	8.50	219.30	0.139	57
9	25.000	8.50	---	1.00	8.50	219.30	0.139	57
10	25.000	8.50	---	1.00	8.50	219.30	0.139	57
11	25.000	8.50	---	1.00	8.50	219.30	0.139	57
12	25.000	8.50	---	1.00	8.50	219.30	0.139	57
13	25.000	8.50	---	1.00	8.50	219.30	0.139	57
14	30.000	8.50	---	1.00	8.50	263.16	0.167	69
15	30.000	8.50	---	1.75	4.75	263.16	0.105	43

Approximate weight of strand: 302.6 LB

7.4 Required Minimum Post-Tensioning Forces

Based on Stress Conditions

Based on Minimum P/A

Type	Left k	Center k	Right k	Left k	Center k	Right k
1	0.00	25.68	26.99	17.10	17.10	17.10
2	29.91	0.00	15.33	17.10	17.10	17.10
3	14.38	6.40	18.88	17.10	17.10	17.10
4	18.99	4.00	17.54	17.10	17.10	17.10
5	17.46	4.74	17.94	17.10	17.10	17.10
6	17.93	4.51	17.82	17.10	17.10	17.10
7	17.78	4.58	17.85	17.10	17.10	17.10
8	17.82	4.56	17.86	17.10	17.10	17.10
9	17.82	4.58	17.82	17.10	17.10	17.10
10	17.79	4.51	17.96	17.10	17.10	17.10
11	17.91	4.74	17.49	17.10	17.10	17.10
12	17.51	4.00	19.03	17.10	17.10	17.10
13	18.85	6.40	14.41	17.10	17.10	17.10
14	15.30	0.00	29.96	17.10	17.10	17.10
15	26.96	25.69	0.00	17.10	17.10	17.10

7.5 Service Stresses (tension shown positive)

Envelope of Service 1

Span	Left Top Max-T psi	Left Top Max-C psi	Left Bot Max-T psi	Left Bot Max-C psi	Center Top Max-T psi	Center Top Max-C psi	Center Bot Max-T psi	Center Bot Max-C psi	Right Top Max-T psi	Right Top Max-C psi	Right Bot Max-T psi	Right Bot Max-C psi
1	-----	-378.70	-----	-147.62	-----	-818.67	292.35	-----	284.38	-----	-----	-810.70
2	376.77	-----	-----	-903.09	-----	-199.52	-----	-326.79	-----	-56.40	-----	-469.92

3	-----	-99.74	-----	-426.58	-----	-416.08	-----	-22.52	192.53	-----	-----	-631.12
4	195.73	-----	-----	-634.32	-----	-361.28	-----	-77.31	149.94	-----	-----	-588.54
5	147.07	-----	-----	-585.66	-----	-379.14	-----	-59.46	162.82	-----	-----	-601.42
6	161.91	-----	-----	-600.50	-----	-373.66	-----	-64.93	158.91	-----	-----	-597.51
7	157.42	-----	-----	-596.02	-----	-375.38	-----	-63.22	159.98	-----	-----	-598.58
8	158.68	-----	-----	-597.28	-----	-374.71	-----	-63.89	160.05	-----	-----	-598.64
9	158.62	-----	-----	-597.22	-----	-375.38	-----	-63.22	158.78	-----	-----	-597.38
10	157.55	-----	-----	-596.14	-----	-373.67	-----	-64.93	163.26	-----	-----	-601.86
11	161.46	-----	-----	-600.06	-----	-379.14	-----	-59.46	148.44	-----	-----	-587.04
12	148.59	-----	-----	-587.18	-----	-361.29	-----	-77.30	197.06	-----	-----	-635.65
13	191.13	-----	-----	-629.73	-----	-416.04	-----	-22.56	-----	-98.26	-----	-428.05
14	-----	-57.93	-----	-468.39	-----	-199.55	-----	-326.76	378.25	-----	-----	-904.56
15	283.28	-----	-----	-809.60	-----	-818.82	292.50	-----	-----	-377.59	-----	-148.73

Envelope of Service 2

Span	Left Top Max-T	Left Top Max-C	Left Bot Max-T	Left Bot Max-C	Center Top Max-T	Center Top Max-C	Cetner Bot Max-T	Cetner Bot Max-C	Right Top Max-T	Right Top Max-C	Right Bot Max-T	Right Bot Max-C
	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
1	-----	-378.70	-----	-147.62	-----	-818.67	292.35	-----	284.38	-----	-----	-810.70
2	376.77	-----	-----	-903.09	-----	-199.52	-----	-326.79	-----	-56.40	-----	-469.92
3	-----	-99.74	-----	-426.58	-----	-416.08	-----	-22.52	192.53	-----	-----	-631.12
4	195.73	-----	-----	-634.32	-----	-361.28	-----	-77.31	149.94	-----	-----	-588.54
5	147.07	-----	-----	-585.66	-----	-379.14	-----	-59.46	162.82	-----	-----	-601.42
6	161.91	-----	-----	-600.50	-----	-373.66	-----	-64.93	158.91	-----	-----	-597.51
7	157.42	-----	-----	-596.02	-----	-375.38	-----	-63.22	159.98	-----	-----	-598.58
8	158.68	-----	-----	-597.28	-----	-374.71	-----	-63.89	160.05	-----	-----	-598.64
9	158.62	-----	-----	-597.22	-----	-375.38	-----	-63.22	158.78	-----	-----	-597.38
10	157.55	-----	-----	-596.14	-----	-373.67	-----	-64.93	163.26	-----	-----	-601.86
11	161.46	-----	-----	-600.06	-----	-379.14	-----	-59.46	148.44	-----	-----	-587.04
12	148.59	-----	-----	-587.18	-----	-361.29	-----	-77.30	197.06	-----	-----	-635.65
13	191.13	-----	-----	-629.73	-----	-416.04	-----	-22.56	-----	-98.26	-----	-428.05
14	-----	-57.93	-----	-468.39	-----	-199.55	-----	-326.76	378.25	-----	-----	-904.56
15	283.28	-----	-----	-809.60	-----	-818.82	292.50	-----	-----	-377.59	-----	-148.73

7.6 Post-Tensioning Balance Moments, Shears and Reactions

Span Moments and Shears

Span	Moment Left	Moment Center	Moment Right	Shear Left	Shear Right
	k-ft	k-ft	k-ft	k	k
1	-1.48	-5.14	10.29	-0.11	-0.11
2	9.58	-6.23	9.45	0.00	0.00
3	9.89	-4.83	8.19	0.01	0.01
4	8.20	-4.88	8.27	0.00	0.00
5	8.29	-4.85	8.25	0.00	0.00
6	8.27	-4.86	8.25	0.00	0.00
7	8.27	-4.86	8.25	0.00	0.00
8	8.27	-4.86	8.25	0.00	0.00
9	8.27	-4.86	8.25	0.00	0.00
10	8.27	-4.86	8.24	0.00	0.00
11	8.27	-4.85	8.27	0.00	0.00
12	8.29	-4.88	8.18	0.00	0.00
13	8.21	-4.83	9.87	-0.01	-0.01
14	9.47	-6.23	9.56	0.00	0.00
15	10.31	-5.14	-1.49	0.11	0.11

Reactions and Column Moments

Joint	Reaction	Moment Lower	Moment Upper
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		Column	Column
	k	k-ft	k-ft
1	0.106	0.000	0.000
2	-0.111	0.000	0.000
3	-0.003	0.000	0.000
4	0.010	0.000	0.000
5	-0.004	0.000	0.000
6	0.001	0.000	0.000
7	0.000	0.000	0.000
8	0.000	0.000	0.000
9	0.000	0.000	0.000
10	0.000	0.000	0.000
11	0.001	0.000	0.000
12	-0.004	0.000	0.000
13	0.010	0.000	0.000
14	-0.003	0.000	0.000
15	-0.111	0.000	0.000
16	0.107	0.000	0.000

Note: Moments are reported at face of support

8 - FACTORED MOMENTS AND REACTIONS ENVELOPE

8.1 Factored Design Moments (Not Redistributed)

Span	Left Max	Left Min	Middle Max	Middle Min	Right Max	Right Min
	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
1	3.99	3.99	17.79	17.79	-19.17	-19.17
2	-19.86	-19.86	9.44	9.44	-12.01	-12.01
3	-11.78	-11.78	12.28	12.28	-14.42	-14.42
4	-14.50	-14.50	11.29	11.29	-13.69	-13.69
5	-13.66	-13.66	11.58	11.58	-13.93	-13.93
6	-13.94	-13.94	11.47	11.47	-13.88	-13.88
7	-13.88	-13.88	11.48	11.48	-13.92	-13.92
8	-13.91	-13.91	11.59	11.59	-13.68	-13.68
9	-13.67	-13.67	11.72	11.72	-13.66	-13.66
10	-13.67	-13.67	11.67	11.67	-13.76	-13.76
11	-13.76	-13.76	11.74	11.74	-13.52	-13.52
12	-13.55	-13.55	11.41	11.41	-14.40	-14.40
13	-14.32	-14.32	12.37	12.37	-11.71	-11.71
14	-11.95	-11.95	9.49	9.49	-19.83	-19.83
15	-19.14	-19.14	17.81	17.81	3.99	3.99

8.2 Reactions and Column Moments

Joint	Reaction Max	Reaction Min	Moment Lower	Moment Lower	Moment Upper	Moment Upper
	k	k	Column Max	Column Min	Column Max	Column Min
	k	k	k-ft	k-ft	k-ft	k-ft
1	3.53	3.53	0.00	0.00	0.00	0.00
2	9.88	9.88	0.00	0.00	0.00	0.00
3	8.37	8.37	0.00	0.00	0.00	0.00
4	8.87	8.87	0.00	0.00	0.00	0.00
5	8.71	8.71	0.00	0.00	0.00	0.00
6	8.76	8.76	0.00	0.00	0.00	0.00
7	8.75	8.75	0.00	0.00	0.00	0.00
8	8.75	8.75	0.00	0.00	0.00	0.00
9	8.75	8.75	0.00	0.00	0.00	0.00
10	8.75	8.75	0.00	0.00	0.00	0.00

11	8.76	8.76	0.00	0.00	0.00	0.00
12	8.71	8.71	0.00	0.00	0.00	0.00
13	8.87	8.87	0.00	0.00	0.00	0.00
14	8.37	8.37	0.00	0.00	0.00	0.00
15	9.88	9.88	0.00	0.00	0.00	0.00
16	3.53	3.53	0.00	0.00	0.00	0.00

8.3 Secondary Moments

Span	Left	Midspan	Right
	k-ft	k-ft	k-ft
1	0.13	1.60	3.06
2	3.19	3.12	3.05
3	3.04	2.94	2.84
4	2.83	2.87	2.90
5	2.90	2.88	2.86
6	2.86	2.85	2.85
7	2.85	2.84	2.83
8	2.84	2.95	3.07
9	3.08	3.07	3.06
10	3.06	3.05	3.04
11	3.04	3.04	3.05
12	3.04	2.99	2.94
13	2.94	3.03	3.11
14	3.12	3.17	3.22
15	3.09	1.61	0.13

Note: Moments are reported at face of support

10 - MILD STEEL - NO REDISTRIBUTION

10.1 Required Rebar

10.1.1 Total Strip Required Rebar

Span	Location	From	To	As Required	Ultimate	Minimum
		ft	ft	in2	in2	in2
1	TOP	0.00	4.50	0.23	0.00	0.23
1	TOP	25.50	30.00	0.23	0.03	0.23
2	TOP	0.00	4.50	0.23	0.03	0.23
2	TOP	10.50	19.50	0.23	0.00	0.23
2	TOP	25.50	30.00	0.23	0.03	0.23
3	TOP	0.00	4.50	0.23	0.03	0.23
3	TOP	25.50	30.00	0.23	0.00	0.23
4	TOP	0.00	4.50	0.23	0.00	0.23
4	TOP	25.50	30.00	0.23	0.00	0.23
5	TOP	0.00	4.50	0.23	0.00	0.23
5	TOP	25.50	30.00	0.23	0.00	0.23
6	TOP	0.00	4.50	0.23	0.00	0.23
6	TOP	25.50	30.00	0.23	0.00	0.23
7	TOP	0.00	4.50	0.23	0.00	0.23
7	TOP	25.50	30.00	0.23	0.00	0.23
8	TOP	0.00	4.50	0.23	0.00	0.23
8	TOP	25.50	30.00	0.23	0.00	0.23
9	TOP	0.00	4.50	0.23	0.00	0.23
9	TOP	25.50	30.00	0.23	0.00	0.23
10	TOP	0.00	4.50	0.23	0.00	0.23
10	TOP	25.50	30.00	0.23	0.00	0.23
11	TOP	0.00	4.50	0.23	0.00	0.23

11	TOP	25.50	30.00	0.23	0.00	0.23
12	TOP	0.00	4.50	0.23	0.00	0.23
12	TOP	25.50	30.00	0.23	0.00	0.23
13	TOP	0.00	4.50	0.23	0.00	0.23
13	TOP	25.50	30.00	0.23	0.03	0.23
14	TOP	0.00	4.50	0.23	0.03	0.23
14	TOP	10.50	19.50	0.23	0.00	0.23
14	TOP	25.50	30.00	0.23	0.03	0.23
15	TOP	0.00	4.50	0.23	0.03	0.23
15	TOP	25.50	30.00	0.23	0.00	0.23

10.2 Provided Rebar

10.2.1 Total Strip Provided Rebar

Span	ID	Location	From	Quantity	Size	Length	Area
			ft			ft	in2
1	1	TOP	0.00	1	5	6.00	0.31
1	2	TOP	24.00	1	5	12.00	0.31
2	3	TOP	9.00	1	5	12.00	0.31
2	4	TOP	24.00	1	5	12.00	0.31
3	5	TOP	24.00	1	5	12.00	0.31
4	6	TOP	24.00	1	5	12.00	0.31
5	7	TOP	24.00	1	5	12.00	0.31
6	8	TOP	24.00	1	5	12.00	0.31
7	9	TOP	24.00	1	5	12.00	0.31
8	10	TOP	24.00	1	5	12.00	0.31
9	11	TOP	24.00	1	5	12.00	0.31
10	12	TOP	24.00	1	5	12.00	0.31
11	13	TOP	24.00	1	5	12.00	0.31
12	14	TOP	24.00	1	5	12.00	0.31
13	15	TOP	24.00	1	5	12.00	0.31
14	16	TOP	9.00	1	5	12.00	0.31
14	17	TOP	24.00	1	5	12.00	0.31
15	18	TOP	24.00	1	5	6.00	0.31

10.2.2 Total Strip Steel Disposition

Span	ID	Location	From	Quantity	Size	Length
			ft			ft
1	1	TOP	0.00	1	5	6.00
1	2	TOP	24.00	1	5	6.00
2	2	TOP	0.00	1	5	6.00
2	3	TOP	9.00	1	5	12.00
2	4	TOP	24.00	1	5	6.00
3	4	TOP	0.00	1	5	6.00
3	5	TOP	24.00	1	5	6.00
4	5	TOP	0.00	1	5	6.00
4	6	TOP	24.00	1	5	6.00
5	6	TOP	0.00	1	5	6.00
5	7	TOP	24.00	1	5	6.00
6	7	TOP	0.00	1	5	6.00
6	8	TOP	24.00	1	5	6.00
7	8	TOP	0.00	1	5	6.00
7	9	TOP	24.00	1	5	6.00
8	9	TOP	0.00	1	5	6.00
8	10	TOP	24.00	1	5	6.00
9	10	TOP	0.00	1	5	6.00
9	11	TOP	24.00	1	5	6.00

10	11	TOP	0.00	1	5	6.00
10	12	TOP	24.00	1	5	6.00
11	12	TOP	0.00	1	5	6.00
11	13	TOP	24.00	1	5	6.00
12	13	TOP	0.00	1	5	6.00
12	14	TOP	24.00	1	5	6.00
13	14	TOP	0.00	1	5	6.00
13	15	TOP	24.00	1	5	6.00
14	15	TOP	0.00	1	5	6.00
14	16	TOP	9.00	1	5	12.00
14	17	TOP	24.00	1	5	6.00
15	17	TOP	0.00	1	5	6.00
15	18	TOP	24.00	1	5	6.00

10.3 Base Reinforcement

10.3.1 Isolated bars

Span	Location	From	Quantity	Size	Cover	Length	Area
--	--	ft	--	--	in	ft	in ²
1.00	BOT	.00	4.00	6.00	2.00	450.00	1.76

10.3.2 Mesh Reinforcement

12 - SHEAR REINFORCEMENT

12.1 Shear Calculation Envelope

SPAN 1

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in ²	in
0.04	1.25	7.60	-2.85	4.03	0.16	0.00	0.00
0.05	1.50	7.60	-2.79	4.74	0.18	0.00	0.00
0.10	3.00	7.60	-2.38	8.65	0.25	0.00	0.00
0.15	4.50	7.60	-1.98	11.95	0.23	0.00	0.00
0.20	6.00	7.60	-1.59	14.64	0.18	0.00	0.00
0.25	7.50	7.60	-1.18	16.72	0.14	0.00	0.00
0.30	9.00	7.65	-0.77	18.19	0.09	0.00	0.00
0.35	10.50	7.74	-0.37	19.05	0.04	0.00	0.00
0.40	12.00	7.73	0.03	19.31	0.00	0.00	0.00
0.45	13.50	7.63	0.43	18.94	0.05	0.00	0.00
0.50	15.00	7.60	0.84	17.97	0.10	0.00	0.00
0.55	16.50	7.60	1.23	16.39	0.14	0.00	0.00
0.60	18.00	7.60	1.64	14.20	0.19	0.00	0.00
0.65	19.50	7.60	2.05	11.40	0.24	0.00	0.00
0.70	21.00	7.60	2.46	7.99	0.25	0.00	0.00
0.75	22.50	7.60	2.84	3.97	0.16	0.00	0.00
0.80	24.00	7.60	3.25	-0.67	0.15	0.00	0.00
0.85	25.50	7.60	3.66	-5.91	0.22	0.00	0.00
0.90	27.00	7.60	4.07	-11.76	0.35	0.00	0.00
0.95	28.50	7.60	4.46	-18.22	0.45	0.00	0.00
0.96	28.75	7.65	4.53	-19.36	0.46	0.00	0.00

SPAN 2

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in ²	in
0.04	1.25	7.60	-3.98	-20.07	0.46	0.00	0.00
0.05	1.50	7.60	-3.91	-19.06	0.45	0.00	0.00
0.10	3.00	7.60	-3.50	-13.44	0.41	0.00	0.00

0.15	4.50	7.60	-3.11	-8.44	0.33	0.00	0.00
0.20	6.00	7.60	-2.71	-4.04	0.22	0.00	0.00
0.25	7.50	7.60	-2.30	-0.25	0.11	0.00	0.00
0.30	9.00	7.60	-1.90	2.93	0.09	0.00	0.00
0.35	10.50	7.83	-1.49	5.50	0.13	0.00	0.00
0.40	12.00	8.20	-1.10	7.46	0.12	0.00	0.00
0.45	13.50	8.43	-0.70	8.80	0.07	0.00	0.00
0.50	15.00	8.50	-0.29	9.54	0.03	0.00	0.00
0.55	16.50	8.43	0.12	9.66	0.01	0.00	0.00
0.60	18.00	8.20	0.52	9.18	0.06	0.00	0.00
0.65	19.50	7.83	0.91	8.09	0.10	0.00	0.00
0.70	21.00	7.60	1.32	6.39	0.15	0.00	0.00
0.75	22.50	7.60	1.73	4.07	0.13	0.00	0.00
0.80	24.00	7.60	2.12	1.15	0.10	0.00	0.00
0.85	25.50	7.60	2.53	-2.38	0.12	0.00	0.00
0.90	27.00	7.60	2.94	-6.53	0.23	0.00	0.00
0.95	28.50	7.60	3.33	-11.28	0.30	0.00	0.00
0.96	28.75	7.60	3.40	-12.13	0.32	0.00	0.00

SPAN 3

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.59	-11.89	0.31	0.00	0.00
0.05	1.50	7.60	-3.52	-10.99	0.30	0.00	0.00
0.10	3.00	7.60	-3.13	-5.95	0.21	0.00	0.00
0.15	4.50	7.60	-2.73	-1.52	0.13	0.00	0.00
0.20	6.00	7.60	-2.32	2.30	0.11	0.00	0.00
0.25	7.50	7.60	-1.91	5.51	0.16	0.00	0.00
0.30	9.00	7.60	-1.51	8.11	0.17	0.00	0.00
0.35	10.50	7.83	-1.11	10.10	0.12	0.00	0.00
0.40	12.00	8.20	-0.71	11.48	0.08	0.00	0.00
0.45	13.50	8.43	-0.30	12.25	0.03	0.00	0.00
0.50	15.00	8.50	0.09	12.40	0.01	0.00	0.00
0.55	16.50	8.43	0.50	11.95	0.05	0.00	0.00
0.60	18.00	8.20	0.91	10.90	0.10	0.00	0.00
0.65	19.50	7.83	1.31	9.22	0.15	0.00	0.00
0.70	21.00	7.60	1.70	6.94	0.17	0.00	0.00
0.75	22.50	7.60	2.11	4.05	0.13	0.00	0.00
0.80	24.00	7.60	2.52	0.55	0.12	0.00	0.00
0.85	25.50	7.60	2.93	-3.56	0.16	0.00	0.00
0.90	27.00	7.60	3.31	-8.28	0.28	0.00	0.00
0.95	28.50	7.60	3.72	-13.61	0.36	0.00	0.00
0.96	28.75	7.60	3.79	-14.57	0.37	0.00	0.00

SPAN 4

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.72	-14.65	0.37	0.00	0.00
0.05	1.50	7.60	-3.66	-13.72	0.36	0.00	0.00
0.10	3.00	7.60	-3.25	-8.48	0.28	0.00	0.00
0.15	4.50	7.60	-2.84	-3.86	0.17	0.00	0.00
0.20	6.00	7.60	-2.45	0.15	0.11	0.00	0.00
0.25	7.50	7.60	-2.04	3.55	0.11	0.00	0.00
0.30	9.00	7.60	-1.63	6.34	0.16	0.00	0.00
0.35	10.50	7.83	-1.24	8.52	0.14	0.00	0.00
0.40	12.00	8.20	-0.84	10.09	0.09	0.00	0.00
0.45	13.50	8.43	-0.43	11.05	0.05	0.00	0.00
0.50	15.00	8.50	-0.02	11.40	0.00	0.00	0.00

0.55	16.50	8.43	0.38	11.14	0.04	0.00	0.00
0.60	18.00	8.20	0.77	10.27	0.08	0.00	0.00
0.65	19.50	7.83	1.18	8.79	0.13	0.00	0.00
0.70	21.00	7.60	1.58	6.70	0.17	0.00	0.00
0.75	22.50	7.60	1.99	4.00	0.13	0.00	0.00
0.80	24.00	7.60	2.39	0.69	0.11	0.00	0.00
0.85	25.50	7.60	2.78	-3.23	0.15	0.00	0.00
0.90	27.00	7.60	3.19	-7.77	0.26	0.00	0.00
0.95	28.50	7.60	3.60	-12.91	0.34	0.00	0.00
0.96	28.75	7.60	3.67	-13.82	0.35	0.00	0.00

SPAN 5

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.68	-13.80	0.35	0.00	0.00
0.05	1.50	7.60	-3.61	-12.88	0.34	0.00	0.00
0.10	3.00	7.60	-3.22	-7.71	0.26	0.00	0.00
0.15	4.50	7.60	-2.81	-3.14	0.15	0.00	0.00
0.20	6.00	7.60	-2.41	0.81	0.11	0.00	0.00
0.25	7.50	7.60	-2.00	4.15	0.13	0.00	0.00
0.30	9.00	7.60	-1.61	6.88	0.17	0.00	0.00
0.35	10.50	7.83	-1.20	9.00	0.13	0.00	0.00
0.40	12.00	8.20	-0.79	10.51	0.08	0.00	0.00
0.45	13.50	8.43	-0.38	11.41	0.04	0.00	0.00
0.55	16.50	8.43	0.41	11.38	0.04	0.00	0.00
0.60	18.00	8.20	0.82	10.45	0.09	0.00	0.00
0.65	19.50	7.83	1.22	8.91	0.14	0.00	0.00
0.70	21.00	7.60	1.62	6.76	0.17	0.00	0.00
0.75	22.50	7.60	2.02	4.00	0.13	0.00	0.00
0.80	24.00	7.60	2.42	0.63	0.11	0.00	0.00
0.85	25.50	7.60	2.83	-3.35	0.15	0.00	0.00
0.90	27.00	7.60	3.23	-7.94	0.27	0.00	0.00
0.95	28.50	7.60	3.64	-13.15	0.35	0.00	0.00
0.96	28.75	7.60	3.70	-14.07	0.36	0.00	0.00

SPAN 6

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.69	-14.08	0.36	0.00	0.00
0.05	1.50	7.60	-3.62	-13.16	0.35	0.00	0.00
0.10	3.00	7.60	-3.23	-7.97	0.27	0.00	0.00
0.15	4.50	7.60	-2.82	-3.39	0.16	0.00	0.00
0.20	6.00	7.60	-2.42	0.58	0.11	0.00	0.00
0.25	7.50	7.60	-2.02	3.94	0.13	0.00	0.00
0.30	9.00	7.60	-1.61	6.69	0.17	0.00	0.00
0.35	10.50	7.83	-1.21	8.83	0.14	0.00	0.00
0.40	12.00	8.20	-0.82	10.36	0.09	0.00	0.00
0.45	13.50	8.43	-0.41	11.27	0.04	0.00	0.00
0.55	16.50	8.43	0.41	11.28	0.04	0.00	0.00
0.60	18.00	8.20	0.80	10.37	0.09	0.00	0.00
0.65	19.50	7.83	1.20	8.85	0.13	0.00	0.00
0.70	21.00	7.60	1.61	6.72	0.17	0.00	0.00
0.75	22.50	7.60	2.02	3.97	0.13	0.00	0.00
0.80	24.00	7.60	2.41	0.62	0.11	0.00	0.00
0.85	25.50	7.60	2.82	-3.34	0.15	0.00	0.00
0.90	27.00	7.60	3.22	-7.91	0.27	0.00	0.00
0.95	28.50	7.60	3.62	-13.10	0.35	0.00	0.00
0.96	28.75	7.60	3.69	-14.02	0.36	0.00	0.00

SPAN 7

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.69	-14.02	0.36	0.00	0.00
0.05	1.50	7.60	-3.62	-13.10	0.35	0.00	0.00
0.10	3.00	7.60	-3.22	-7.91	0.27	0.00	0.00
0.15	4.50	7.60	-2.82	-3.34	0.15	0.00	0.00
0.20	6.00	7.60	-2.41	0.63	0.11	0.00	0.00
0.25	7.50	7.60	-2.02	3.98	0.13	0.00	0.00
0.30	9.00	7.60	-1.61	6.72	0.17	0.00	0.00
0.35	10.50	7.83	-1.20	8.86	0.13	0.00	0.00
0.40	12.00	8.20	-0.80	10.38	0.09	0.00	0.00
0.45	13.50	8.43	-0.41	11.30	0.04	0.00	0.00
0.55	16.50	8.43	0.41	11.29	0.04	0.00	0.00
0.60	18.00	8.20	0.82	10.37	0.09	0.00	0.00
0.65	19.50	7.83	1.20	8.84	0.13	0.00	0.00
0.70	21.00	7.60	1.61	6.71	0.17	0.00	0.00
0.75	22.50	7.60	2.02	3.96	0.13	0.00	0.00
0.80	24.00	7.60	2.42	0.60	0.11	0.00	0.00
0.85	25.50	7.60	2.82	-3.37	0.15	0.00	0.00
0.90	27.00	7.60	3.23	-7.94	0.27	0.00	0.00
0.95	28.50	7.60	3.62	-13.13	0.35	0.00	0.00
0.96	28.75	7.60	3.69	-14.06	0.36	0.00	0.00

SPAN 8

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.70	-14.05	0.36	0.00	0.00
0.05	1.50	7.60	-3.63	-13.13	0.35	0.00	0.00
0.10	3.00	7.60	-3.23	-7.92	0.27	0.00	0.00
0.15	4.50	7.60	-2.83	-3.33	0.15	0.00	0.00
0.20	6.00	7.60	-2.42	0.64	0.11	0.00	0.00
0.25	7.50	7.60	-2.03	4.01	0.13	0.00	0.00
0.30	9.00	7.60	-1.62	6.77	0.17	0.00	0.00
0.35	10.50	7.83	-1.21	8.92	0.14	0.00	0.00
0.40	12.00	8.20	-0.81	10.46	0.09	0.00	0.00
0.45	13.50	8.43	-0.42	11.38	0.04	0.00	0.00
0.50	15.00	8.50	-0.01	11.70	0.00	0.00	0.00
0.55	16.50	8.43	0.40	11.41	0.04	0.00	0.00
0.60	18.00	8.20	0.79	10.51	0.09	0.00	0.00
0.65	19.50	7.83	1.19	9.00	0.13	0.00	0.00
0.70	21.00	7.60	1.60	6.87	0.17	0.00	0.00
0.75	22.50	7.60	2.01	4.14	0.13	0.00	0.00
0.80	24.00	7.60	2.40	0.80	0.11	0.00	0.00
0.85	25.50	7.60	2.81	-3.16	0.15	0.00	0.00
0.90	27.00	7.60	3.21	-7.72	0.26	0.00	0.00
0.95	28.50	7.60	3.61	-12.90	0.34	0.00	0.00
0.96	28.75	7.60	3.68	-13.81	0.35	0.00	0.00

SPAN 9

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.69	-13.81	0.35	0.00	0.00
0.05	1.50	7.60	-3.62	-12.88	0.34	0.00	0.00
0.10	3.00	7.60	-3.23	-7.69	0.26	0.00	0.00
0.15	4.50	7.60	-2.82	-3.12	0.14	0.00	0.00
0.20	6.00	7.60	-2.42	0.85	0.11	0.00	0.00

0.25	7.50	7.60	-2.02	4.20	0.13	0.00	0.00
0.30	9.00	7.60	-1.61	6.95	0.17	0.00	0.00
0.35	10.50	7.83	-1.20	9.09	0.13	0.00	0.00
0.40	12.00	8.20	-0.82	10.61	0.09	0.00	0.00
0.45	13.50	8.43	-0.41	11.52	0.04	0.00	0.00
0.55	16.50	8.43	0.41	11.52	0.04	0.00	0.00
0.60	18.00	8.20	0.80	10.61	0.09	0.00	0.00
0.65	19.50	7.83	1.20	9.09	0.13	0.00	0.00
0.70	21.00	7.60	1.61	6.95	0.17	0.00	0.00
0.75	22.50	7.60	2.02	4.21	0.13	0.00	0.00
0.80	24.00	7.60	2.41	0.85	0.11	0.00	0.00
0.85	25.50	7.60	2.82	-3.11	0.14	0.00	0.00
0.90	27.00	7.60	3.22	-7.69	0.26	0.00	0.00
0.95	28.50	7.60	3.62	-12.88	0.34	0.00	0.00
0.96	28.75	7.60	3.69	-13.80	0.35	0.00	0.00

SPAN 10

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in ²	in
0.04	1.25	7.60	-3.69	-13.81	0.35	0.00	0.00
0.05	1.50	7.60	-3.62	-12.88	0.34	0.00	0.00
0.10	3.00	7.60	-3.22	-7.70	0.26	0.00	0.00
0.15	4.50	7.60	-2.82	-3.13	0.15	0.00	0.00
0.20	6.00	7.60	-2.41	0.83	0.11	0.00	0.00
0.25	7.50	7.60	-2.02	4.18	0.13	0.00	0.00
0.30	9.00	7.60	-1.61	6.92	0.17	0.00	0.00
0.35	10.50	7.83	-1.20	9.05	0.13	0.00	0.00
0.40	12.00	8.20	-0.80	10.57	0.09	0.00	0.00
0.45	13.50	8.43	-0.41	11.48	0.04	0.00	0.00
0.55	16.50	8.43	0.41	11.47	0.04	0.00	0.00
0.60	18.00	8.20	0.82	10.55	0.09	0.00	0.00
0.65	19.50	7.83	1.21	9.02	0.14	0.00	0.00
0.70	21.00	7.60	1.61	6.88	0.17	0.00	0.00
0.75	22.50	7.60	2.02	4.13	0.13	0.00	0.00
0.80	24.00	7.60	2.42	0.77	0.11	0.00	0.00
0.85	25.50	7.60	2.82	-3.20	0.15	0.00	0.00
0.90	27.00	7.60	3.23	-7.78	0.26	0.00	0.00
0.95	28.50	7.60	3.62	-12.97	0.35	0.00	0.00
0.96	28.75	7.60	3.69	-13.90	0.36	0.00	0.00

SPAN 11

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in ²	in
0.04	1.25	7.60	-3.70	-13.89	0.36	0.00	0.00
0.05	1.50	7.60	-3.64	-12.96	0.35	0.00	0.00
0.10	3.00	7.60	-3.23	-7.77	0.26	0.00	0.00
0.15	4.50	7.60	-2.83	-3.18	0.15	0.00	0.00
0.20	6.00	7.60	-2.42	0.80	0.11	0.00	0.00
0.25	7.50	7.60	-2.02	4.17	0.13	0.00	0.00
0.30	9.00	7.60	-1.62	6.93	0.17	0.00	0.00
0.35	10.50	7.83	-1.22	9.07	0.14	0.00	0.00
0.40	12.00	8.20	-0.82	10.62	0.09	0.00	0.00
0.45	13.50	8.43	-0.41	11.55	0.04	0.00	0.00
0.55	16.50	8.43	0.38	11.57	0.04	0.00	0.00
0.60	18.00	8.20	0.79	10.67	0.08	0.00	0.00
0.65	19.50	7.83	1.20	9.15	0.13	0.00	0.00
0.70	21.00	7.60	1.61	7.03	0.17	0.00	0.00
0.75	22.50	7.60	2.00	4.30	0.13	0.00	0.00

0.80	24.00	7.60	2.41	0.96	0.11	0.00	0.00
0.85	25.50	7.60	2.81	-2.99	0.14	0.00	0.00
0.90	27.00	7.60	3.22	-7.56	0.26	0.00	0.00
0.95	28.50	7.60	3.61	-12.73	0.34	0.00	0.00
0.96	28.75	7.60	3.68	-13.65	0.35	0.00	0.00

SPAN 12

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.67	-13.68	0.35	0.00	0.00
0.05	1.50	7.60	-3.60	-12.76	0.34	0.00	0.00
0.10	3.00	7.60	-3.19	-7.63	0.26	0.00	0.00
0.15	4.50	7.60	-2.78	-3.10	0.14	0.00	0.00
0.20	6.00	7.60	-2.39	0.82	0.11	0.00	0.00
0.25	7.50	7.60	-1.99	4.13	0.13	0.00	0.00
0.30	9.00	7.60	-1.58	6.83	0.17	0.00	0.00
0.35	10.50	7.83	-1.18	8.92	0.13	0.00	0.00
0.40	12.00	8.20	-0.77	10.39	0.08	0.00	0.00
0.45	13.50	8.43	-0.38	11.27	0.04	0.00	0.00
0.50	15.00	8.50	0.02	11.52	0.00	0.00	0.00
0.55	16.50	8.43	0.43	11.18	0.05	0.00	0.00
0.60	18.00	8.20	0.84	10.21	0.09	0.00	0.00
0.65	19.50	7.83	1.24	8.64	0.14	0.00	0.00
0.70	21.00	7.60	1.63	6.46	0.16	0.00	0.00
0.75	22.50	7.60	2.04	3.66	0.12	0.00	0.00
0.80	24.00	7.60	2.45	0.26	0.11	0.00	0.00
0.85	25.50	7.60	2.84	-3.75	0.17	0.00	0.00
0.90	27.00	7.60	3.25	-8.37	0.28	0.00	0.00
0.95	28.50	7.60	3.66	-13.61	0.36	0.00	0.00
0.96	28.75	7.60	3.72	-14.54	0.37	0.00	0.00

SPAN 13

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.79	-14.46	0.37	0.00	0.00
0.05	1.50	7.60	-3.72	-13.51	0.36	0.00	0.00
0.10	3.00	7.60	-3.31	-8.18	0.28	0.00	0.00
0.15	4.50	7.60	-2.93	-3.46	0.16	0.00	0.00
0.20	6.00	7.60	-2.52	0.65	0.12	0.00	0.00
0.25	7.50	7.60	-2.11	4.15	0.13	0.00	0.00
0.30	9.00	7.60	-1.70	7.04	0.18	0.00	0.00
0.35	10.50	7.83	-1.31	9.32	0.15	0.00	0.00
0.40	12.00	8.20	-0.91	10.99	0.10	0.00	0.00
0.45	13.50	8.43	-0.50	12.05	0.05	0.00	0.00
0.50	15.00	8.50	-0.09	12.49	0.01	0.00	0.00
0.55	16.50	8.43	0.30	12.34	0.03	0.00	0.00
0.60	18.00	8.20	0.71	11.56	0.08	0.00	0.00
0.65	19.50	7.83	1.11	10.18	0.12	0.00	0.00
0.70	21.00	7.60	1.51	8.19	0.17	0.00	0.00
0.75	22.50	7.60	1.91	5.59	0.16	0.00	0.00
0.80	24.00	7.60	2.32	2.38	0.11	0.00	0.00
0.85	25.50	7.60	2.73	-1.45	0.13	0.00	0.00
0.90	27.00	7.60	3.13	-5.88	0.21	0.00	0.00
0.95	28.50	7.60	3.52	-10.93	0.30	0.00	0.00
0.96	28.75	7.60	3.59	-11.82	0.31	0.00	0.00

SPAN 14

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
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	ft	in	k	kft		in2	in
0.04	1.25	7.60	-3.40	-12.06	0.31	0.00	0.00
0.05	1.50	7.60	-3.33	-11.21	0.30	0.00	0.00
0.10	3.00	7.60	-2.94	-6.46	0.22	0.00	0.00
0.15	4.50	7.60	-2.53	-2.32	0.12	0.00	0.00
0.20	6.00	7.60	-2.12	1.21	0.10	0.00	0.00
0.25	7.50	7.60	-1.73	4.13	0.13	0.00	0.00
0.30	9.00	7.60	-1.32	6.44	0.15	0.00	0.00
0.35	10.50	7.83	-0.91	8.14	0.10	0.00	0.00
0.40	12.00	8.20	-0.52	9.24	0.06	0.00	0.00
0.45	13.50	8.43	-0.12	9.72	0.01	0.00	0.00
0.50	15.00	8.50	0.29	9.59	0.03	0.00	0.00
0.55	16.50	8.43	0.70	8.85	0.07	0.00	0.00
0.60	18.00	8.20	1.10	7.50	0.12	0.00	0.00
0.65	19.50	7.83	1.49	5.54	0.13	0.00	0.00
0.70	21.00	7.60	1.90	2.97	0.09	0.00	0.00
0.75	22.50	7.60	2.30	-0.21	0.11	0.00	0.00
0.80	24.00	7.60	2.71	-4.00	0.22	0.00	0.00
0.85	25.50	7.60	3.11	-8.40	0.33	0.00	0.00
0.90	27.00	7.60	3.50	-13.41	0.41	0.00	0.00
0.95	28.50	7.60	3.91	-19.03	0.45	0.00	0.00
0.96	28.75	7.60	3.98	-20.03	0.46	0.00	0.00

SPAN 15

XL	X	d	Vu	Mu	Ratio	Req.	Spacing
	ft	in	k	kft		in2	in
0.04	1.25	7.65	-4.53	-19.34	0.46	0.00	0.00
0.05	1.50	7.60	-4.46	-18.19	0.45	0.00	0.00
0.10	3.00	7.60	-4.07	-11.73	0.35	0.00	0.00
0.15	4.50	7.60	-3.66	-5.88	0.22	0.00	0.00
0.20	6.00	7.60	-3.25	-0.64	0.15	0.00	0.00
0.25	7.50	7.60	-2.84	3.99	0.16	0.00	0.00
0.30	9.00	7.60	-2.46	8.01	0.25	0.00	0.00
0.35	10.50	7.60	-2.05	11.42	0.24	0.00	0.00
0.40	12.00	7.60	-1.64	14.22	0.19	0.00	0.00
0.45	13.50	7.60	-1.23	16.40	0.14	0.00	0.00
0.50	15.00	7.60	-0.84	17.98	0.10	0.00	0.00
0.55	16.50	7.63	-0.43	18.95	0.05	0.00	0.00
0.60	18.00	7.73	-0.03	19.31	0.00	0.00	0.00
0.65	19.50	7.74	0.37	19.06	0.04	0.00	0.00
0.70	21.00	7.65	0.77	18.20	0.09	0.00	0.00
0.75	22.50	7.60	1.18	16.73	0.14	0.00	0.00
0.80	24.00	7.60	1.59	14.65	0.18	0.00	0.00
0.85	25.50	7.60	1.98	11.95	0.23	0.00	0.00
0.90	27.00	7.60	2.38	8.65	0.25	0.00	0.00
0.95	28.50	7.60	2.79	4.74	0.18	0.00	0.00
0.96	28.75	7.60	2.85	4.03	0.16	0.00	0.00

Note: "Vu" is related to the load combination which produces the maximum "Ratio"

Note: Sections with **** have exceeded the maximum allowable shear stress.

15 - FRICTION, ELONGATION AND LONG TERM LOSSES

15.1 Input Parameters

Parameter	Value	Parameter	Value
Type of Strand	Low Relaxation	Coefficient of Angular Friction (meu)	0.07000 1/rad
Age of Concrete at Stressing	3 days	Coefficient of Wobble Friction (K)	0.00140 rad/ft

Ec at Stressing	3000.00 ksi	Ratio of Jacking Stress	0.80
Average Relative Humidity	80.00 percent	Anchor Set	0.25 in
Volume to Surface Ratio of Members	2.50 in	Tendon_A Stressing Method	Both sides
Es of Strand	29000.00 ksi		

15.2 Long-term Losses

Tendon	Elastic Shortening	Shrinkage	Creep	Relaxation	Total
	ksi	ksi	ksi	ksi	ksi
TENDON_A	1.28	3.44	4.27	0.53	9.52

15.3 Calculated Stresses After Friction and Long-term Losses

Tendon	Span	Stress Left FL Only	Stress Center FL Only	Stress Right FL Only	Stress Left FL+LTL	Stress Center FL+LTL	Stress Right FL+LTL
		ksi	ksi	ksi	ksi	ksi	ksi
TENDON_A	1	131.56	126.30	121.25	122.04	116.78	111.73
TENDON_A	2	121.25	114.10	108.83	111.73	104.57	99.32
TENDON_A	3	108.83	101.76	96.82	99.32	92.25	87.30
TENDON_A	4	96.82	90.18	85.57	87.30	80.68	76.04
TENDON_A	5	85.57	79.34	75.00	76.04	69.82	65.48
TENDON_A	6	75.00	69.16	65.10	65.48	59.64	55.57
TENDON_A	7	65.10	59.62	55.81	55.57	50.10	46.28
TENDON_A	8	55.81	50.67	47.10	46.28	41.14	37.57
TENDON_A	9	47.10	42.28	38.92	37.57	32.75	29.40
TENDON_A	10	38.92	34.41	31.26	29.40	24.88	21.73
TENDON_A	11	31.26	27.02	24.07	21.73	17.51	14.55
TENDON_A	12	24.07	20.09	17.33	14.55	10.58	7.81
TENDON_A	13	17.33	13.61	11.01	7.81	4.08	1.49
TENDON_A	14	11.01	7.52	5.08	1.49	0.00	0.00
TENDON_A	15	5.08	2.14	0.00	0.00	0.00	0.00

15.4 Summary

Tendon	Avg. Initial Stress	LTL	Avg. Final Stress	Avg. Final Force	Elongation Left	Elongation Right	Elongation Total	Left Anchor Set	Right Anchor Set
	ksi	ksi	ksi	k	in	in	in	ft	ft
TENDON_A	55.93	9.52	46.41	7.10	25.91	-15.48	10.43	0.00	450.00

15.5 Critical Stress Ratios

Tendon	Stressing Left	Stressing Right	Anchorage Left	Anchorage Right	Max
TENDON_A	0.49	0.00	0.49	0.00	0.49

21 - TENDON HEIGHTS

<u>XL</u>	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 1			
0.00	0.000	4.75	0.00	4.75
0.05	1.500	3.99	0.00	4.60
0.10	3.000	3.34	0.00	4.15
0.15	4.500	2.80	0.00	3.59
0.20	6.000	2.37	0.00	3.10
0.25	7.500	2.05	0.00	2.69
0.30	9.000	1.85	0.00	2.35
0.35	10.500	1.76	0.00	2.09
0.40	12.000	1.77	0.00	1.90
0.45	13.500	1.87	0.00	1.79
0.50	15.000	2.05	0.00	1.75
0.55	16.500	2.32	0.00	1.83
0.60	18.000	2.67	0.00	2.09
0.65	19.500	3.10	0.00	2.51
0.70	21.000	3.62	0.00	3.10
0.75	22.500	4.23	0.00	3.86
0.80	24.000	4.91	0.00	4.79
0.85	25.500	5.68	0.00	5.88
0.90	27.000	6.54	0.00	7.15
0.95	28.500	7.48	0.00	8.16
1.00	30.000	8.50	0.00	8.50

<u>XL</u>	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 2			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 3			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 4			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 5			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 6			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 7			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 8			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 9			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 10			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 11			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 12			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 13			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 14			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.08	0.00	8.13
0.10	3.000	5.80	0.00	7.00
0.15	4.500	4.68	0.00	5.59
0.20	6.000	3.70	0.00	4.38
0.25	7.500	2.88	0.00	3.34
0.30	9.000	2.20	0.00	2.50
0.35	10.500	1.68	0.00	1.84
0.40	12.000	1.30	0.00	1.38
0.45	13.500	1.08	0.00	1.09
0.50	15.000	1.00	0.00	1.00
0.55	16.500	1.08	0.00	1.09
0.60	18.000	1.30	0.00	1.38
0.65	19.500	1.67	0.00	1.84
0.70	21.000	2.20	0.00	2.50
0.75	22.500	2.88	0.00	3.34
0.80	24.000	3.70	0.00	4.38
0.85	25.500	4.67	0.00	5.59
0.90	27.000	5.80	0.00	7.00
0.95	28.500	7.07	0.00	8.13
1.00	30.000	8.50	0.00	8.50

XL	X	CGS A	CGS B	CGS C
	ft	in	in	in
	SPAN 15			
0.00	0.000	8.50	0.00	8.50
0.05	1.500	7.48	0.00	8.16
0.10	3.000	6.54	0.00	7.15
0.15	4.500	5.68	0.00	5.88
0.20	6.000	4.91	0.00	4.79
0.25	7.500	4.23	0.00	3.86
0.30	9.000	3.62	0.00	3.10
0.35	10.500	3.10	0.00	2.51
0.40	12.000	2.67	0.00	2.09
0.45	13.500	2.32	0.00	1.83
0.50	15.000	2.05	0.00	1.75
0.55	16.500	1.87	0.00	1.79
0.60	18.000	1.77	0.00	1.90
0.65	19.500	1.76	0.00	2.09
0.70	21.000	1.85	0.00	2.35
0.75	22.500	2.05	0.00	2.69
0.80	24.000	2.37	0.00	3.10
0.85	25.500	2.79	0.00	3.59
0.90	27.000	3.33	0.00	4.15
0.95	28.500	3.99	0.00	4.60
1.00	30.000	4.75	0.00	4.75

22 - POST-TENSIONING BALANCED LOADING

Span	Type	W	F	M	a	b
		k/ft	k	k-ft	ft	ft
1	3	455.373			0.00	0.00
1	2		1.77		30.00	
1	3	-0.124			0.00	10.98
1	3	-0.093			10.98	30.00
2	3	833.333			0.00	0.00
2	2		2.50		30.00	
2	3	-0.167			0.00	15.00
2	3	-0.167			15.00	30.00
3	3	694.444			0.00	0.00
3	2		2.08		30.00	
3	3	-0.139			0.00	15.00
3	3	-0.139			15.00	30.00
4	3	694.444			0.00	0.00
4	2		2.08		30.00	
4	3	-0.139			0.00	15.00
4	3	-0.139			15.00	30.00
5	3	694.444			0.00	0.00
5	2		2.08		30.00	
5	3	-0.139			0.00	15.00
5	3	-0.139			15.00	30.00
6	3	694.444			0.00	0.00
6	2		2.08		30.00	
6	3	-0.139			0.00	15.00
6	3	-0.139			15.00	30.00
7	3	694.444			0.00	0.00
7	2		2.08		30.00	
7	3	-0.139			0.00	15.00

7	3	-0.139			15.00	30.00
8	3	694.444			0.00	0.00
8	2		2.08		30.00	
8	3	-0.139			0.00	15.00
8	3	-0.139			15.00	30.00
9	3	694.444			0.00	0.00
9	2		2.08		30.00	
9	3	-0.139			0.00	15.00
9	3	-0.139			15.00	30.00
10	3	694.444			0.00	0.00
10	2		2.08		30.00	

10	3	-0.139			0.00	15.00
10	3	-0.139			15.00	30.00
11	3	694.444			0.00	0.00
11	2		2.08		30.00	
11	3	-0.139			0.00	15.00
11	3	-0.139			15.00	30.00
12	3	694.444			0.00	0.00
12	2		2.08		30.00	
12	3	-0.139			0.00	15.00
12	3	-0.139			15.00	30.00
13	3	694.444			0.00	0.00
13	2		2.08		30.00	
13	3	-0.139			0.00	15.00
13	3	-0.139			15.00	30.00
14	3	833.333			0.00	0.00
14	2		2.50		30.00	
14	3	-0.167			0.00	15.00
14	3	-0.167			15.00	30.00
15	3	591.483			0.00	0.00
15	2		1.37		30.00	
15	3	-0.093			0.00	19.02
15	3	-0.124			19.02	30.00
3	3	0.087			0.00	6.00
3	2		-0.52		6.00	
13	3	0.087			24.00	30.00
13	2		-0.52		24.00	
1	4			23.13	1.25	
1	4			-23.13	28.75	
2	4			23.13	1.25	
2	4			-23.13	28.75	
3	4			23.13	1.25	
3	4			-19.27	28.75	
4	4			19.27	1.25	
4	4			-19.27	28.75	
5	4			19.27	1.25	
5	4			-19.27	28.75	
6	4			19.27	1.25	
6	4			-19.27	28.75	
7	4			19.27	1.25	
7	4			-19.27	28.75	

8	4			19.27	1.25	
8	4			-19.27	28.75	
9	4			19.27	1.25	

9	4			-19.27	28.75	
10	4			19.27	1.25	
10	4			-19.27	28.75	
11	4			19.27	1.25	
11	4			-19.27	28.75	
12	4			19.27	1.25	
12	4			-19.27	28.75	
13	4			19.27	1.25	
13	4			-23.13	28.75	
14	4			23.13	1.25	
14	4			-23.13	28.75	
15	4			23.13	1.25	
15	4			-23.13	28.75	
1	4			-23.13	0.00	
15	4			23.13	30.00	
2	4			0.00	6.00	
14	4			0.00	24.00	

23 - DETAILED MOMENTS

SPAN 1

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.13	0.00
0.05	1.50	2.08	1.69	0.00	0.00	0.00	-1.75	0.16
0.10	3.00	3.72	3.15	0.00	0.00	0.00	-3.22	0.32
0.15	4.50	5.09	4.37	0.00	0.00	0.00	-4.41	0.48
0.20	6.00	6.19	5.36	0.00	0.00	0.00	-5.32	0.64
0.25	7.50	7.03	6.10	0.00	0.00	0.00	-5.95	0.80
0.30	9.00	7.59	6.62	0.00	0.00	0.00	-6.30	0.96
0.35	10.50	7.90	6.89	0.00	0.00	0.00	-6.37	1.12
0.40	12.00	7.93	6.93	0.00	0.00	0.00	-6.17	1.28
0.45	13.50	7.69	6.74	0.00	0.00	0.00	-5.76	1.44
0.50	15.00	7.19	6.30	0.00	0.00	0.00	-5.14	1.60
0.55	16.50	6.43	5.63	0.00	0.00	0.00	-4.31	1.76
0.60	18.00	5.39	4.73	0.00	0.00	0.00	-3.28	1.92
0.65	19.50	4.09	3.59	0.00	0.00	0.00	-2.03	2.07
0.70	21.00	2.52	2.21	0.00	0.00	0.00	-0.57	2.23
0.75	22.50	0.68	0.60	0.00	0.00	0.00	1.08	2.39
0.80	24.00	-1.42	-1.25	0.00	0.00	0.00	2.96	2.55
0.85	25.50	-3.79	-3.34	0.00	0.00	0.00	5.05	2.71
0.90	27.00	-6.43	-5.66	0.00	0.00	0.00	7.34	2.87
0.95	28.50	-9.34	-8.22	0.00	0.00	0.00	9.85	3.03
1.00	30.00	-12.69	-11.02	0.00	0.00	0.00	35.69	3.19

SPAN 2

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-12.69	-11.02	0.00	0.00	0.00	35.70	3.19
0.05	1.50	-9.78	-8.61	0.00	0.00	0.00	9.01	3.18
0.10	3.00	-7.31	-6.43	0.00	0.00	0.00	5.82	3.18
0.15	4.50	-5.12	-4.49	0.00	0.00	0.00	3.00	3.17
0.20	6.00	-3.18	-2.78	0.00	0.00	0.00	0.56	3.16
0.25	7.50	-1.52	-1.32	0.00	0.00	0.00	-1.51	3.16
0.30	9.00	-0.12	-0.08	0.00	0.00	0.00	-3.21	3.15
0.35	10.50	1.00	0.91	0.00	0.00	0.00	-4.53	3.14

0.40	12.00	1.87	1.67	0.00	0.00	0.00	-5.47	3.13
0.45	13.50	2.46	2.19	0.00	0.00	0.00	-6.03	3.13
0.50	15.00	2.79	2.48	0.00	0.00	0.00	-6.23	3.12
0.55	16.50	2.85	2.53	0.00	0.00	0.00	-6.05	3.11
0.60	18.00	2.64	2.35	0.00	0.00	0.00	-5.49	3.11
0.65	19.50	2.17	1.92	0.00	0.00	0.00	-4.56	3.10
0.70	21.00	1.43	1.26	0.00	0.00	0.00	-3.25	3.09
0.75	22.50	0.42	0.37	0.00	0.00	0.00	-1.59	3.08
0.80	24.00	-0.85	-0.76	0.00	0.00	0.00	0.46	3.08
0.85	25.50	-2.40	-2.13	0.00	0.00	0.00	2.89	3.07
0.90	27.00	-4.21	-3.73	0.00	0.00	0.00	5.70	3.06
0.95	28.50	-6.28	-5.57	0.00	0.00	0.00	8.88	3.06
1.00	30.00	-8.81	-7.65	0.00	0.00	0.00	35.56	3.05

SPAN 3

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-8.81	-7.65	0.00	0.00	0.00	35.58	3.05
0.05	1.50	-6.15	-5.45	0.00	0.00	0.00	9.38	3.04
0.10	3.00	-3.94	-3.50	0.00	0.00	0.00	6.42	3.03
0.15	4.50	-1.99	-1.78	0.00	0.00	0.00	3.58	3.02
0.20	6.00	-0.32	-0.29	0.00	0.00	0.00	0.85	3.00
0.25	7.50	1.09	0.96	0.00	0.00	0.00	-0.88	2.99
0.30	9.00	2.24	1.97	0.00	0.00	0.00	-2.29	2.98
0.35	10.50	3.11	2.74	0.00	0.00	0.00	-3.40	2.97
0.40	12.00	3.72	3.28	0.00	0.00	0.00	-4.18	2.96
0.45	13.50	4.06	3.58	0.00	0.00	0.00	-4.66	2.95
0.50	15.00	4.14	3.65	0.00	0.00	0.00	-4.83	2.94
0.55	16.50	3.94	3.48	0.00	0.00	0.00	-4.68	2.93
0.60	18.00	3.48	3.07	0.00	0.00	0.00	-4.22	2.92
0.65	19.50	2.76	2.43	0.00	0.00	0.00	-3.45	2.90
0.70	21.00	1.76	1.55	0.00	0.00	0.00	-2.37	2.89
0.75	22.50	0.50	0.44	0.00	0.00	0.00	-0.99	2.88
0.80	24.00	-1.03	-0.91	0.00	0.00	0.00	0.72	2.87
0.85	25.50	-2.82	-2.50	0.00	0.00	0.00	2.74	2.86
0.90	27.00	-4.89	-4.32	0.00	0.00	0.00	5.07	2.85
0.95	28.50	-7.22	-6.38	0.00	0.00	0.00	7.72	2.84
1.00	30.00	-10.00	-8.68	0.00	0.00	0.00	29.94	2.83

SPAN 4

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-10.00	-8.68	0.00	0.00	0.00	29.96	2.83
0.05	1.50	-7.26	-6.42	0.00	0.00	0.00	7.73	2.83
0.10	3.00	-4.97	-4.39	0.00	0.00	0.00	5.08	2.84
0.15	4.50	-2.95	-2.61	0.00	0.00	0.00	2.74	2.84
0.20	6.00	-1.19	-1.05	0.00	0.00	0.00	0.71	2.84
0.25	7.50	0.29	0.26	0.00	0.00	0.00	-1.00	2.85
0.30	9.00	1.51	1.34	0.00	0.00	0.00	-2.41	2.85
0.35	10.50	2.47	2.18	0.00	0.00	0.00	-3.49	2.85
0.40	12.00	3.15	2.79	0.00	0.00	0.00	-4.27	2.86
0.45	13.50	3.57	3.16	0.00	0.00	0.00	-4.73	2.86
0.50	15.00	3.72	3.29	0.00	0.00	0.00	-4.88	2.87
0.55	16.50	3.61	3.19	0.00	0.00	0.00	-4.72	2.87
0.60	18.00	3.23	2.85	0.00	0.00	0.00	-4.25	2.87
0.65	19.50	2.58	2.28	0.00	0.00	0.00	-3.46	2.88
0.70	21.00	1.66	1.47	0.00	0.00	0.00	-2.36	2.88
0.75	22.50	0.48	0.42	0.00	0.00	0.00	-0.97	2.89

0.80	24.00	-0.98	-0.87	0.00	0.00	0.00	0.75	2.89
0.85	25.50	-2.69	-2.39	0.00	0.00	0.00	2.79	2.89
0.90	27.00	-4.68	-4.14	0.00	0.00	0.00	5.14	2.90
0.95	28.50	-6.93	-6.13	0.00	0.00	0.00	7.80	2.90
1.00	30.00	-9.63	-8.36	0.00	0.00	0.00	30.04	2.90

SPAN 5

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.63	-8.36	0.00	0.00	0.00	30.06	2.90
0.05	1.50	-6.92	-6.12	0.00	0.00	0.00	7.82	2.90
0.10	3.00	-4.65	-4.12	0.00	0.00	0.00	5.16	2.90
0.15	4.50	-2.66	-2.35	0.00	0.00	0.00	2.82	2.90
0.20	6.00	-0.92	-0.82	0.00	0.00	0.00	0.78	2.90
0.25	7.50	0.54	0.47	0.00	0.00	0.00	-0.94	2.89
0.30	9.00	1.74	1.53	0.00	0.00	0.00	-2.35	2.89
0.35	10.50	2.67	2.35	0.00	0.00	0.00	-3.44	2.89
0.40	12.00	3.33	2.94	0.00	0.00	0.00	-4.22	2.89
0.45	13.50	3.72	3.29	0.00	0.00	0.00	-4.69	2.88
0.50	15.00	3.85	3.40	0.00	0.00	0.00	-4.85	2.88
0.55	16.50	3.71	3.28	0.00	0.00	0.00	-4.69	2.88
0.60	18.00	3.31	2.92	0.00	0.00	0.00	-4.23	2.88
0.65	19.50	2.63	2.32	0.00	0.00	0.00	-3.45	2.87
0.70	21.00	1.69	1.49	0.00	0.00	0.00	-2.35	2.87
0.75	22.50	0.48	0.42	0.00	0.00	0.00	-0.97	2.87
0.80	24.00	-0.99	-0.88	0.00	0.00	0.00	0.75	2.87
0.85	25.50	-2.73	-2.42	0.00	0.00	0.00	2.78	2.87
0.90	27.00	-4.74	-4.20	0.00	0.00	0.00	5.12	2.86
0.95	28.50	-7.02	-6.21	0.00	0.00	0.00	7.77	2.86
1.00	30.00	-9.74	-8.46	0.00	0.00	0.00	30.01	2.86

SPAN 6

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.74	-8.46	0.00	0.00	0.00	30.03	2.86
0.05	1.50	-7.02	-6.21	0.00	0.00	0.00	7.79	2.86
0.10	3.00	-4.75	-4.20	0.00	0.00	0.00	5.14	2.86
0.15	4.50	-2.75	-2.43	0.00	0.00	0.00	2.79	2.86
0.20	6.00	-1.01	-0.89	0.00	0.00	0.00	0.76	2.86
0.25	7.50	0.46	0.41	0.00	0.00	0.00	-0.96	2.86
0.30	9.00	1.67	1.47	0.00	0.00	0.00	-2.37	2.86
0.35	10.50	2.61	2.30	0.00	0.00	0.00	-3.46	2.85
0.40	12.00	3.27	2.89	0.00	0.00	0.00	-4.24	2.85
0.45	13.50	3.68	3.25	0.00	0.00	0.00	-4.70	2.85
0.50	15.00	3.81	3.37	0.00	0.00	0.00	-4.86	2.85
0.55	16.50	3.68	3.25	0.00	0.00	0.00	-4.70	2.85
0.60	18.00	3.28	2.90	0.00	0.00	0.00	-4.23	2.85
0.65	19.50	2.62	2.31	0.00	0.00	0.00	-3.45	2.85
0.70	21.00	1.68	1.48	0.00	0.00	0.00	-2.36	2.85
0.75	22.50	0.48	0.42	0.00	0.00	0.00	-0.97	2.85
0.80	24.00	-0.99	-0.88	0.00	0.00	0.00	0.75	2.85
0.85	25.50	-2.72	-2.41	0.00	0.00	0.00	2.78	2.85
0.90	27.00	-4.72	-4.18	0.00	0.00	0.00	5.12	2.85
0.95	28.50	-6.99	-6.19	0.00	0.00	0.00	7.78	2.85
1.00	30.00	-9.71	-8.43	0.00	0.00	0.00	30.02	2.85

SPAN 7

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
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	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.71	-8.43	0.00	0.00	0.00	30.04	2.85
0.05	1.50	-6.99	-6.19	0.00	0.00	0.00	7.80	2.85
0.10	3.00	-4.72	-4.18	0.00	0.00	0.00	5.14	2.85
0.15	4.50	-2.72	-2.41	0.00	0.00	0.00	2.80	2.85
0.20	6.00	-0.98	-0.87	0.00	0.00	0.00	0.77	2.84
0.25	7.50	0.49	0.43	0.00	0.00	0.00	-0.95	2.84
0.30	9.00	1.69	1.49	0.00	0.00	0.00	-2.36	2.84
0.35	10.50	2.62	2.32	0.00	0.00	0.00	-3.45	2.84
0.40	12.00	3.29	2.91	0.00	0.00	0.00	-4.23	2.84
0.45	13.50	3.69	3.26	0.00	0.00	0.00	-4.70	2.84
0.50	15.00	3.82	3.38	0.00	0.00	0.00	-4.86	2.84
0.55	16.50	3.69	3.26	0.00	0.00	0.00	-4.70	2.84
0.60	18.00	3.29	2.91	0.00	0.00	0.00	-4.23	2.84
0.65	19.50	2.62	2.31	0.00	0.00	0.00	-3.45	2.84
0.70	21.00	1.69	1.49	0.00	0.00	0.00	-2.35	2.83
0.75	22.50	0.48	0.42	0.00	0.00	0.00	-0.97	2.83
0.80	24.00	-0.99	-0.88	0.00	0.00	0.00	0.75	2.83
0.85	25.50	-2.72	-2.41	0.00	0.00	0.00	2.78	2.83
0.90	27.00	-4.73	-4.18	0.00	0.00	0.00	5.12	2.83
0.95	28.50	-7.00	-6.19	0.00	0.00	0.00	7.78	2.83
1.00	30.00	-9.72	-8.44	0.00	0.00	0.00	30.02	2.83

SPAN 8

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.72	-8.44	0.00	0.00	0.00	30.03	2.83
0.05	1.50	-7.00	-6.19	0.00	0.00	0.00	7.80	2.84
0.10	3.00	-4.73	-4.19	0.00	0.00	0.00	5.14	2.85
0.15	4.50	-2.73	-2.41	0.00	0.00	0.00	2.80	2.87
0.20	6.00	-0.99	-0.88	0.00	0.00	0.00	0.76	2.88
0.25	7.50	0.48	0.42	0.00	0.00	0.00	-0.96	2.89
0.30	9.00	1.68	1.48	0.00	0.00	0.00	-2.36	2.90
0.35	10.50	2.62	2.31	0.00	0.00	0.00	-3.46	2.92
0.40	12.00	3.29	2.90	0.00	0.00	0.00	-4.23	2.93
0.45	13.50	3.69	3.26	0.00	0.00	0.00	-4.70	2.94
0.50	15.00	3.82	3.37	0.00	0.00	0.00	-4.86	2.95
0.55	16.50	3.69	3.26	0.00	0.00	0.00	-4.70	2.97
0.60	18.00	3.29	2.90	0.00	0.00	0.00	-4.23	2.98
0.65	19.50	2.62	2.31	0.00	0.00	0.00	-3.45	2.99
0.70	21.00	1.68	1.48	0.00	0.00	0.00	-2.36	3.00
0.75	22.50	0.48	0.42	0.00	0.00	0.00	-0.97	3.02
0.80	24.00	-0.99	-0.88	0.00	0.00	0.00	0.75	3.03
0.85	25.50	-2.73	-2.41	0.00	0.00	0.00	2.78	3.04
0.90	27.00	-4.73	-4.19	0.00	0.00	0.00	5.12	3.05
0.95	28.50	-7.00	-6.19	0.00	0.00	0.00	7.78	3.07
1.00	30.00	-9.72	-8.44	0.00	0.00	0.00	30.02	3.08

SPAN 9

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.72	-8.44	0.00	0.00	0.00	30.03	3.08
0.05	1.50	-7.00	-6.19	0.00	0.00	0.00	7.80	3.08
0.10	3.00	-4.73	-4.18	0.00	0.00	0.00	5.14	3.08
0.15	4.50	-2.72	-2.41	0.00	0.00	0.00	2.80	3.08
0.20	6.00	-0.99	-0.88	0.00	0.00	0.00	0.76	3.08
0.25	7.50	0.48	0.42	0.00	0.00	0.00	-0.95	3.08
0.30	9.00	1.69	1.49	0.00	0.00	0.00	-2.36	3.07

0.35	10.50	2.62	2.31	0.00	0.00	0.00	-3.46	3.07
0.40	12.00	3.29	2.91	0.00	0.00	0.00	-4.23	3.07
0.45	13.50	3.69	3.26	0.00	0.00	0.00	-4.70	3.07
0.50	15.00	3.82	3.38	0.00	0.00	0.00	-4.86	3.07
0.55	16.50	3.69	3.26	0.00	0.00	0.00	-4.70	3.07
0.60	18.00	3.29	2.91	0.00	0.00	0.00	-4.23	3.07
0.65	19.50	2.62	2.32	0.00	0.00	0.00	-3.45	3.07
0.70	21.00	1.69	1.49	0.00	0.00	0.00	-2.35	3.07
0.75	22.50	0.49	0.43	0.00	0.00	0.00	-0.97	3.07
0.80	24.00	-0.98	-0.87	0.00	0.00	0.00	0.75	3.07
0.85	25.50	-2.72	-2.41	0.00	0.00	0.00	2.78	3.07
0.90	27.00	-4.72	-4.18	0.00	0.00	0.00	5.12	3.07
0.95	28.50	-6.99	-6.19	0.00	0.00	0.00	7.78	3.06
1.00	30.00	-9.71	-8.43	0.00	0.00	0.00	30.02	3.06

SPAN 10

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.71	-8.43	0.00	0.00	0.00	30.04	3.06
0.05	1.50	-6.99	-6.19	0.00	0.00	0.00	7.80	3.06
0.10	3.00	-4.72	-4.18	0.00	0.00	0.00	5.14	3.06
0.15	4.50	-2.72	-2.41	0.00	0.00	0.00	2.80	3.06
0.20	6.00	-0.99	-0.88	0.00	0.00	0.00	0.76	3.06
0.25	7.50	0.48	0.42	0.00	0.00	0.00	-0.95	3.06
0.30	9.00	1.68	1.48	0.00	0.00	0.00	-2.36	3.06
0.35	10.50	2.62	2.31	0.00	0.00	0.00	-3.46	3.05
0.40	12.00	3.28	2.90	0.00	0.00	0.00	-4.23	3.05
0.45	13.50	3.68	3.25	0.00	0.00	0.00	-4.70	3.05
0.50	15.00	3.81	3.37	0.00	0.00	0.00	-4.86	3.05
0.55	16.50	3.68	3.25	0.00	0.00	0.00	-4.70	3.05
0.60	18.00	3.27	2.89	0.00	0.00	0.00	-4.23	3.05
0.65	19.50	2.61	2.30	0.00	0.00	0.00	-3.45	3.05
0.70	21.00	1.67	1.47	0.00	0.00	0.00	-2.36	3.04
0.75	22.50	0.46	0.41	0.00	0.00	0.00	-0.97	3.04
0.80	24.00	-1.01	-0.89	0.00	0.00	0.00	0.74	3.04
0.85	25.50	-2.75	-2.43	0.00	0.00	0.00	2.77	3.04
0.90	27.00	-4.75	-4.20	0.00	0.00	0.00	5.12	3.04
0.95	28.50	-7.02	-6.21	0.00	0.00	0.00	7.77	3.04
1.00	30.00	-9.74	-8.46	0.00	0.00	0.00	30.01	3.04

SPAN 11

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.74	-8.46	0.00	0.00	0.00	30.03	3.04
0.05	1.50	-7.02	-6.21	0.00	0.00	0.00	7.79	3.04
0.10	3.00	-4.74	-4.20	0.00	0.00	0.00	5.14	3.04
0.15	4.50	-2.73	-2.42	0.00	0.00	0.00	2.80	3.04
0.20	6.00	-0.99	-0.88	0.00	0.00	0.00	0.76	3.04
0.25	7.50	0.48	0.42	0.00	0.00	0.00	-0.95	3.04
0.30	9.00	1.69	1.49	0.00	0.00	0.00	-2.36	3.04
0.35	10.50	2.63	2.32	0.00	0.00	0.00	-3.45	3.04
0.40	12.00	3.31	2.92	0.00	0.00	0.00	-4.23	3.04
0.45	13.50	3.71	3.28	0.00	0.00	0.00	-4.69	3.04
0.50	15.00	3.85	3.40	0.00	0.00	0.00	-4.85	3.04
0.55	16.50	3.72	3.29	0.00	0.00	0.00	-4.69	3.04
0.60	18.00	3.33	2.94	0.00	0.00	0.00	-4.22	3.04
0.65	19.50	2.67	2.35	0.00	0.00	0.00	-3.44	3.04
0.70	21.00	1.74	1.53	0.00	0.00	0.00	-2.34	3.04

0.75	22.50	0.54	0.47	0.00	0.00	0.00	-0.95	3.04
0.80	24.00	-0.92	-0.82	0.00	0.00	0.00	0.77	3.05
0.85	25.50	-2.66	-2.35	0.00	0.00	0.00	2.80	3.05
0.90	27.00	-4.65	-4.12	0.00	0.00	0.00	5.14	3.05
0.95	28.50	-6.92	-6.12	0.00	0.00	0.00	7.80	3.05
1.00	30.00	-9.63	-8.36	0.00	0.00	0.00	30.04	3.05

SPAN 12

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-9.63	-8.36	0.00	0.00	0.00	30.06	3.05
0.05	1.50	-6.93	-6.13	0.00	0.00	0.00	7.82	3.04
0.10	3.00	-4.68	-4.14	0.00	0.00	0.00	5.15	3.04
0.15	4.50	-2.69	-2.39	0.00	0.00	0.00	2.81	3.03
0.20	6.00	-0.98	-0.87	0.00	0.00	0.00	0.77	3.02
0.25	7.50	0.48	0.42	0.00	0.00	0.00	-0.96	3.02
0.30	9.00	1.66	1.47	0.00	0.00	0.00	-2.37	3.01
0.35	10.50	2.58	2.28	0.00	0.00	0.00	-3.47	3.01
0.40	12.00	3.23	2.85	0.00	0.00	0.00	-4.25	3.00
0.45	13.50	3.61	3.19	0.00	0.00	0.00	-4.72	3.00
0.50	15.00	3.72	3.29	0.00	0.00	0.00	-4.88	2.99
0.55	16.50	3.57	3.16	0.00	0.00	0.00	-4.73	2.99
0.60	18.00	3.15	2.79	0.00	0.00	0.00	-4.26	2.98
0.65	19.50	2.47	2.18	0.00	0.00	0.00	-3.49	2.97
0.70	21.00	1.51	1.34	0.00	0.00	0.00	-2.40	2.97
0.75	22.50	0.29	0.26	0.00	0.00	0.00	-1.02	2.96
0.80	24.00	-1.19	-1.05	0.00	0.00	0.00	0.70	2.96
0.85	25.50	-2.95	-2.61	0.00	0.00	0.00	2.72	2.95
0.90	27.00	-4.97	-4.39	0.00	0.00	0.00	5.06	2.95
0.95	28.50	-7.26	-6.42	0.00	0.00	0.00	7.71	2.94
1.00	30.00	-10.00	-8.68	0.00	0.00	0.00	29.94	2.94

SPAN 13

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-10.00	-8.68	0.00	0.00	0.00	29.96	2.94
0.05	1.50	-7.22	-6.38	0.00	0.00	0.00	7.74	2.94
0.10	3.00	-4.89	-4.32	0.00	0.00	0.00	5.09	2.95
0.15	4.50	-2.82	-2.50	0.00	0.00	0.00	2.76	2.96
0.20	6.00	-1.03	-0.91	0.00	0.00	0.00	0.73	2.97
0.25	7.50	0.50	0.44	0.00	0.00	0.00	-0.98	2.98
0.30	9.00	1.76	1.55	0.00	0.00	0.00	-2.37	2.99
0.35	10.50	2.76	2.43	0.00	0.00	0.00	-3.46	3.00
0.40	12.00	3.48	3.07	0.00	0.00	0.00	-4.22	3.01
0.45	13.50	3.94	3.48	0.00	0.00	0.00	-4.68	3.02
0.50	15.00	4.14	3.65	0.00	0.00	0.00	-4.83	3.03
0.55	16.50	4.06	3.58	0.00	0.00	0.00	-4.66	3.04
0.60	18.00	3.72	3.28	0.00	0.00	0.00	-4.18	3.04
0.65	19.50	3.11	2.74	0.00	0.00	0.00	-3.39	3.05
0.70	21.00	2.24	1.97	0.00	0.00	0.00	-2.29	3.06
0.75	22.50	1.09	0.96	0.00	0.00	0.00	-0.89	3.07
0.80	24.00	-0.32	-0.29	0.00	0.00	0.00	0.84	3.08
0.85	25.50	-1.99	-1.78	0.00	0.00	0.00	3.56	3.09
0.90	27.00	-3.94	-3.50	0.00	0.00	0.00	6.40	3.10
0.95	28.50	-6.15	-5.45	0.00	0.00	0.00	9.36	3.11
1.00	30.00	-8.81	-7.65	0.00	0.00	0.00	35.56	3.12

SPAN 14

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-8.81	-7.65	0.00	0.00	0.00	35.58	3.12
0.05	1.50	-6.28	-5.57	0.00	0.00	0.00	8.90	3.12
0.10	3.00	-4.21	-3.73	0.00	0.00	0.00	5.72	3.13
0.15	4.50	-2.40	-2.13	0.00	0.00	0.00	2.91	3.13
0.20	6.00	-0.85	-0.76	0.00	0.00	0.00	0.48	3.14
0.25	7.50	0.42	0.37	0.00	0.00	0.00	-1.58	3.14
0.30	9.00	1.43	1.26	0.00	0.00	0.00	-3.26	3.15
0.35	10.50	2.17	1.92	0.00	0.00	0.00	-4.56	3.15
0.40	12.00	2.64	2.35	0.00	0.00	0.00	-5.49	3.16
0.45	13.50	2.85	2.53	0.00	0.00	0.00	-6.05	3.16
0.50	15.00	2.79	2.48	0.00	0.00	0.00	-6.23	3.17
0.55	16.50	2.46	2.19	0.00	0.00	0.00	-6.03	3.17
0.60	18.00	1.87	1.67	0.00	0.00	0.00	-5.46	3.18
0.65	19.50	1.00	0.91	0.00	0.00	0.00	-4.52	3.19
0.70	21.00	-0.12	-0.08	0.00	0.00	0.00	-3.20	3.19
0.75	22.50	-1.52	-1.32	0.00	0.00	0.00	-1.53	3.20
0.80	24.00	-3.18	-2.78	0.00	0.00	0.00	0.54	3.20
0.85	25.50	-5.12	-4.49	0.00	0.00	0.00	2.98	3.21
0.90	27.00	-7.31	-6.43	0.00	0.00	0.00	5.80	3.21
0.95	28.50	-9.78	-8.61	0.00	0.00	0.00	8.99	3.22
1.00	30.00	-12.69	-11.02	0.00	0.00	0.00	35.69	3.22

SPAN 15

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
0.00	0.00	-12.69	-11.02	0.00	0.00	0.00	35.71	3.22
0.05	1.50	-9.34	-8.22	0.00	0.00	0.00	9.87	3.06
0.10	3.00	-6.43	-5.66	0.00	0.00	0.00	7.36	2.90
0.15	4.50	-3.79	-3.34	0.00	0.00	0.00	5.06	2.74
0.20	6.00	-1.42	-1.25	0.00	0.00	0.00	2.97	2.58
0.25	7.50	0.68	0.60	0.00	0.00	0.00	1.10	2.42
0.30	9.00	2.52	2.21	0.00	0.00	0.00	-0.57	2.26
0.35	10.50	4.09	3.59	0.00	0.00	0.00	-2.03	2.09
0.40	12.00	5.39	4.73	0.00	0.00	0.00	-3.27	1.93
0.45	13.50	6.43	5.63	0.00	0.00	0.00	-4.31	1.77
0.50	15.00	7.19	6.30	0.00	0.00	0.00	-5.14	1.61
0.55	16.50	7.69	6.74	0.00	0.00	0.00	-5.76	1.45
0.60	18.00	7.93	6.93	0.00	0.00	0.00	-6.16	1.29
0.65	19.50	7.90	6.89	0.00	0.00	0.00	-6.36	1.13
0.70	21.00	7.59	6.62	0.00	0.00	0.00	-6.29	0.97
0.75	22.50	7.03	6.10	0.00	0.00	0.00	-5.96	0.81
0.80	24.00	6.19	5.36	0.00	0.00	0.00	-5.33	0.64
0.85	25.50	5.09	4.37	0.00	0.00	0.00	-4.42	0.48
0.90	27.00	3.72	3.15	0.00	0.00	0.00	-3.23	0.32
0.95	28.50	2.08	1.69	0.00	0.00	0.00	-1.76	0.16
1.00	30.00	0.00	0.00	0.00	0.00	0.00	23.11	0.00

24 - DETAILED SHEARS

SPAN 1

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-1.65	-1.21	0.00	0.00	0.00	0.66	-0.11
0.05	1.50	-1.18	-1.05	0.00	0.00	0.00	1.84	-0.11

0.10	3.00	-1.00	-0.89	0.00	0.00	0.00	1.66	-0.11
0.15	4.50	-0.82	-0.74	0.00	0.00	0.00	1.47	-0.11
0.20	6.00	-0.65	-0.58	0.00	0.00	0.00	1.28	-0.11
0.25	7.50	-0.47	-0.42	0.00	0.00	0.00	1.10	-0.11
0.30	9.00	-0.29	-0.26	0.00	0.00	0.00	0.91	-0.11
0.35	10.50	-0.11	-0.11	0.00	0.00	0.00	0.72	-0.11
0.40	12.00	0.07	0.05	0.00	0.00	0.00	0.57	-0.11
0.45	13.50	0.24	0.21	0.00	0.00	0.00	0.43	-0.11
0.50	15.00	0.42	0.37	0.00	0.00	0.00	0.29	-0.11
0.55	16.50	0.60	0.52	0.00	0.00	0.00	0.15	-0.11
0.60	18.00	0.78	0.68	0.00	0.00	0.00	0.01	-0.11
0.65	19.50	0.96	0.84	0.00	0.00	0.00	-0.13	-0.11
0.70	21.00	1.14	1.00	0.00	0.00	0.00	-0.27	-0.11
0.75	22.50	1.31	1.15	0.00	0.00	0.00	-0.41	-0.11
0.80	24.00	1.49	1.31	0.00	0.00	0.00	-0.55	-0.11
0.85	25.50	1.67	1.47	0.00	0.00	0.00	-0.69	-0.11
0.90	27.00	1.85	1.63	0.00	0.00	0.00	-0.83	-0.11
0.95	28.50	2.03	1.78	0.00	0.00	0.00	-0.97	-0.11
1.00	30.00	2.49	1.94	0.00	0.00	0.00	-1.11	-0.11

SPAN 2

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.20	-1.69	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.73	-1.53	0.00	0.00	0.00	2.26	0.00
0.10	3.00	-1.55	-1.37	0.00	0.00	0.00	2.01	0.00
0.15	4.50	-1.38	-1.21	0.00	0.00	0.00	1.76	0.00
0.20	6.00	-1.20	-1.06	0.00	0.00	0.00	1.51	0.00
0.25	7.50	-1.02	-0.90	0.00	0.00	0.00	1.26	0.00
0.30	9.00	-0.84	-0.74	0.00	0.00	0.00	1.01	0.00
0.35	10.50	-0.66	-0.58	0.00	0.00	0.00	0.76	0.00
0.40	12.00	-0.49	-0.43	0.00	0.00	0.00	0.50	0.00
0.45	13.50	-0.31	-0.27	0.00	0.00	0.00	0.25	0.00
0.50	15.00	-0.13	-0.11	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.05	0.05	0.00	0.00	0.00	-0.25	0.00
0.60	18.00	0.23	0.20	0.00	0.00	0.00	-0.50	0.00
0.65	19.50	0.40	0.36	0.00	0.00	0.00	-0.75	0.00
0.70	21.00	0.58	0.52	0.00	0.00	0.00	-1.00	0.00
0.75	22.50	0.76	0.68	0.00	0.00	0.00	-1.24	0.00
0.80	24.00	0.94	0.83	0.00	0.00	0.00	-1.49	0.00
0.85	25.50	1.12	0.99	0.00	0.00	0.00	-1.74	0.00
0.90	27.00	1.30	1.15	0.00	0.00	0.00	-1.99	0.00
0.95	28.50	1.47	1.31	0.00	0.00	0.00	-2.24	0.00
1.00	30.00	1.94	1.46	0.00	0.00	0.00	-2.49	0.00

SPAN 3

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.03	-1.54	0.00	0.00	0.00	0.01	0.01
0.05	1.50	-1.56	-1.38	0.00	0.00	0.00	2.01	0.01
0.10	3.00	-1.39	-1.23	0.00	0.00	0.00	1.93	0.01
0.15	4.50	-1.21	-1.07	0.00	0.00	0.00	1.86	0.01
0.20	6.00	-1.03	-0.91	0.00	0.00	0.00	1.26	0.01
0.25	7.50	-0.85	-0.75	0.00	0.00	0.00	1.05	0.01
0.30	9.00	-0.67	-0.60	0.00	0.00	0.00	0.84	0.01
0.35	10.50	-0.49	-0.44	0.00	0.00	0.00	0.63	0.01
0.40	12.00	-0.32	-0.28	0.00	0.00	0.00	0.42	0.01
0.45	13.50	-0.14	-0.12	0.00	0.00	0.00	0.22	0.01

0.50	15.00	0.04	0.03	0.00	0.00	0.00	0.01	0.01
0.55	16.50	0.22	0.19	0.00	0.00	0.00	-0.20	0.01
0.60	18.00	0.40	0.35	0.00	0.00	0.00	-0.41	0.01
0.65	19.50	0.57	0.51	0.00	0.00	0.00	-0.62	0.01
0.70	21.00	0.75	0.66	0.00	0.00	0.00	-0.83	0.01
0.75	22.50	0.93	0.82	0.00	0.00	0.00	-1.03	0.01
0.80	24.00	1.11	0.98	0.00	0.00	0.00	-1.24	0.01
0.85	25.50	1.29	1.14	0.00	0.00	0.00	-1.45	0.01
0.90	27.00	1.46	1.29	0.00	0.00	0.00	-1.66	0.01
0.95	28.50	1.64	1.45	0.00	0.00	0.00	-1.87	0.01
1.00	30.00	2.11	1.61	0.00	0.00	0.00	-2.08	0.01

SPAN 4

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.08	-1.59	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.62	-1.43	0.00	0.00	0.00	1.87	0.00
0.10	3.00	-1.44	-1.27	0.00	0.00	0.00	1.66	0.00
0.15	4.50	-1.26	-1.11	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.08	-0.96	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.90	-0.80	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.72	-0.64	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.55	-0.48	0.00	0.00	0.00	0.62	0.00
0.40	12.00	-0.37	-0.33	0.00	0.00	0.00	0.41	0.00
0.45	13.50	-0.19	-0.17	0.00	0.00	0.00	0.21	0.00
0.50	15.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.17	0.15	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.34	0.30	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.52	0.46	0.00	0.00	0.00	-0.63	0.00
0.70	21.00	0.70	0.62	0.00	0.00	0.00	-0.84	0.00
0.75	22.50	0.88	0.78	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.06	0.93	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.23	1.09	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.41	1.25	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.59	1.41	0.00	0.00	0.00	-1.88	0.00
1.00	30.00	2.06	1.56	0.00	0.00	0.00	-2.09	0.00

SPAN 5

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.57	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.60	-1.41	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.42	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.24	-1.10	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.94	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.78	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.84	0.00
0.35	10.50	-0.53	-0.47	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.35	-0.31	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.17	-0.15	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.36	0.32	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.54	0.48	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.72	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.95	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.25	1.11	0.00	0.00	0.00	-1.46	0.00

0.90	27.00	1.43	1.26	0.00	0.00	0.00	-1.66	0.00
0.95	28.50	1.61	1.42	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.58	0.00	0.00	0.00	-2.08	0.00

SPAN 6

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.58	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.60	-1.42	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.43	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.25	-1.10	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.95	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.54	-0.47	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.36	-0.32	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.36	0.31	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.53	0.47	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.94	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.25	1.10	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.42	1.26	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.60	1.42	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.57	0.00	0.00	0.00	-2.08	0.00

SPAN 7

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.57	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.60	-1.42	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.42	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.25	-1.10	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.94	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.53	-0.47	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.36	-0.31	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.36	0.32	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.53	0.47	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.95	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.25	1.10	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.43	1.26	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.60	1.42	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.58	0.00	0.00	0.00	-2.08	0.00

SPAN 8

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.58	0.00	0.00	0.00	0.00	-0.01

0.05	1.50	-1.60	-1.42	0.00	0.00	0.00	1.88	-0.01
0.10	3.00	-1.42	-1.26	0.00	0.00	0.00	1.67	-0.01
0.15	4.50	-1.25	-1.10	0.00	0.00	0.00	1.46	-0.01
0.20	6.00	-1.07	-0.94	0.00	0.00	0.00	1.25	-0.01
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	-0.01
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.83	-0.01
0.35	10.50	-0.53	-0.47	0.00	0.00	0.00	0.63	-0.01
0.40	12.00	-0.36	-0.31	0.00	0.00	0.00	0.42	-0.01
0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	-0.01
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	-0.01
0.60	18.00	0.36	0.31	0.00	0.00	0.00	-0.42	-0.01
0.65	19.50	0.53	0.47	0.00	0.00	0.00	-0.62	-0.01
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	-0.01
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	-0.01
0.80	24.00	1.07	0.94	0.00	0.00	0.00	-1.25	-0.01
0.85	25.50	1.25	1.10	0.00	0.00	0.00	-1.46	-0.01
0.90	27.00	1.42	1.26	0.00	0.00	0.00	-1.67	-0.01
0.95	28.50	1.60	1.42	0.00	0.00	0.00	-1.87	-0.01
1.00	30.00	2.07	1.58	0.00	0.00	0.00	-2.08	-0.01

SPAN 9

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.58	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.60	-1.42	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.43	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.25	-1.10	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.95	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.53	-0.47	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.36	-0.32	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.36	0.31	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.53	0.47	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.94	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.25	1.10	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.42	1.26	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.60	1.42	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.57	0.00	0.00	0.00	-2.08	0.00

SPAN 10

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.57	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.60	-1.42	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.42	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.25	-1.10	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.94	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.71	-0.63	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.53	-0.47	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.36	-0.31	0.00	0.00	0.00	0.42	0.00

0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.18	0.16	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.36	0.32	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.54	0.47	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.79	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.95	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.25	1.10	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.43	1.26	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.60	1.42	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.58	0.00	0.00	0.00	-2.08	0.00

SPAN 11

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.07	-1.58	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.61	-1.42	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.43	-1.26	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.25	-1.11	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.07	-0.95	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.89	-0.79	0.00	0.00	0.00	1.04	0.00
0.30	9.00	-0.72	-0.63	0.00	0.00	0.00	0.83	0.00
0.35	10.50	-0.54	-0.48	0.00	0.00	0.00	0.62	0.00
0.40	12.00	-0.36	-0.32	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.18	-0.16	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.17	0.15	0.00	0.00	0.00	-0.21	0.00
0.60	18.00	0.35	0.31	0.00	0.00	0.00	-0.42	0.00
0.65	19.50	0.53	0.47	0.00	0.00	0.00	-0.63	0.00
0.70	21.00	0.71	0.63	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.89	0.78	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.07	0.94	0.00	0.00	0.00	-1.25	0.00
0.85	25.50	1.24	1.10	0.00	0.00	0.00	-1.46	0.00
0.90	27.00	1.42	1.26	0.00	0.00	0.00	-1.67	0.00
0.95	28.50	1.60	1.41	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.07	1.57	0.00	0.00	0.00	-2.08	0.00

SPAN 12

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.06	-1.56	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.59	-1.41	0.00	0.00	0.00	1.88	0.00
0.10	3.00	-1.41	-1.25	0.00	0.00	0.00	1.67	0.00
0.15	4.50	-1.23	-1.09	0.00	0.00	0.00	1.46	0.00
0.20	6.00	-1.06	-0.93	0.00	0.00	0.00	1.25	0.00
0.25	7.50	-0.88	-0.78	0.00	0.00	0.00	1.05	0.00
0.30	9.00	-0.70	-0.62	0.00	0.00	0.00	0.84	0.00
0.35	10.50	-0.52	-0.46	0.00	0.00	0.00	0.63	0.00
0.40	12.00	-0.34	-0.30	0.00	0.00	0.00	0.42	0.00
0.45	13.50	-0.17	-0.15	0.00	0.00	0.00	0.21	0.00
0.50	15.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.19	0.17	0.00	0.00	0.00	-0.20	0.00
0.60	18.00	0.37	0.33	0.00	0.00	0.00	-0.41	0.00
0.65	19.50	0.55	0.48	0.00	0.00	0.00	-0.62	0.00
0.70	21.00	0.72	0.64	0.00	0.00	0.00	-0.83	0.00
0.75	22.50	0.90	0.80	0.00	0.00	0.00	-1.04	0.00
0.80	24.00	1.08	0.96	0.00	0.00	0.00	-1.25	0.00

0.85	25.50	1.26	1.11	0.00	0.00	0.00	-1.45	0.00
0.90	27.00	1.44	1.27	0.00	0.00	0.00	-1.66	0.00
0.95	28.50	1.62	1.43	0.00	0.00	0.00	-1.87	0.00
1.00	30.00	2.08	1.59	0.00	0.00	0.00	-2.08	0.00

SPAN 13

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-2.11	-1.61	0.00	0.00	0.00	-0.01	-0.01
0.05	1.50	-1.64	-1.45	0.00	0.00	0.00	1.87	-0.01
0.10	3.00	-1.46	-1.29	0.00	0.00	0.00	1.66	-0.01
0.15	4.50	-1.29	-1.14	0.00	0.00	0.00	1.45	-0.01
0.20	6.00	-1.11	-0.98	0.00	0.00	0.00	1.24	-0.01
0.25	7.50	-0.93	-0.82	0.00	0.00	0.00	1.04	-0.01
0.30	9.00	-0.75	-0.66	0.00	0.00	0.00	0.83	-0.01
0.35	10.50	-0.57	-0.51	0.00	0.00	0.00	0.62	-0.01
0.40	12.00	-0.40	-0.35	0.00	0.00	0.00	0.41	-0.01
0.45	13.50	-0.22	-0.19	0.00	0.00	0.00	0.20	-0.01
0.50	15.00	-0.04	-0.03	0.00	0.00	0.00	-0.01	-0.01
0.55	16.50	0.14	0.12	0.00	0.00	0.00	-0.21	-0.01
0.60	18.00	0.32	0.28	0.00	0.00	0.00	-0.42	-0.01
0.65	19.50	0.49	0.44	0.00	0.00	0.00	-0.63	-0.01
0.70	21.00	0.67	0.60	0.00	0.00	0.00	-0.84	-0.01
0.75	22.50	0.85	0.75	0.00	0.00	0.00	-1.05	-0.01
0.80	24.00	1.03	0.91	0.00	0.00	0.00	-1.78	-0.01
0.85	25.50	1.21	1.07	0.00	0.00	0.00	-1.85	-0.01
0.90	27.00	1.39	1.23	0.00	0.00	0.00	-1.93	-0.01
0.95	28.50	1.56	1.38	0.00	0.00	0.00	-2.01	-0.01
1.00	30.00	2.03	1.54	0.00	0.00	0.00	-2.09	-0.01

SPAN 14

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k
0.00	0.00	-1.94	-1.46	0.00	0.00	0.00	0.00	0.00
0.05	1.50	-1.47	-1.31	0.00	0.00	0.00	2.25	0.00
0.10	3.00	-1.30	-1.15	0.00	0.00	0.00	2.00	0.00
0.15	4.50	-1.12	-0.99	0.00	0.00	0.00	1.75	0.00
0.20	6.00	-0.94	-0.83	0.00	0.00	0.00	1.50	0.00
0.25	7.50	-0.76	-0.68	0.00	0.00	0.00	1.25	0.00
0.30	9.00	-0.58	-0.52	0.00	0.00	0.00	1.00	0.00
0.35	10.50	-0.40	-0.36	0.00	0.00	0.00	0.75	0.00
0.40	12.00	-0.23	-0.20	0.00	0.00	0.00	0.50	0.00
0.45	13.50	-0.05	-0.05	0.00	0.00	0.00	0.25	0.00
0.50	15.00	0.13	0.11	0.00	0.00	0.00	0.00	0.00
0.55	16.50	0.31	0.27	0.00	0.00	0.00	-0.25	0.00
0.60	18.00	0.49	0.43	0.00	0.00	0.00	-0.50	0.00
0.65	19.50	0.66	0.58	0.00	0.00	0.00	-0.75	0.00
0.70	21.00	0.84	0.74	0.00	0.00	0.00	-1.00	0.00
0.75	22.50	1.02	0.90	0.00	0.00	0.00	-1.25	0.00
0.80	24.00	1.20	1.06	0.00	0.00	0.00	-1.50	0.00
0.85	25.50	1.38	1.21	0.00	0.00	0.00	-1.75	0.00
0.90	27.00	1.55	1.37	0.00	0.00	0.00	-2.00	0.00
0.95	28.50	1.73	1.53	0.00	0.00	0.00	-2.25	0.00
1.00	30.00	2.20	1.69	0.00	0.00	0.00	-2.50	0.00

SPAN 15

XL	X	SW	SDL	XL	LL Min	LL Max	PT	Secondary
	ft	k	k	k	k	k	k	k

0.00	0.00	-2.49	-1.94	0.00	0.00	0.00	-0.66	0.11
0.05	1.50	-2.03	-1.78	0.00	0.00	0.00	0.97	0.11
0.10	3.00	-1.85	-1.63	0.00	0.00	0.00	0.83	0.11
0.15	4.50	-1.67	-1.47	0.00	0.00	0.00	0.69	0.11
0.20	6.00	-1.49	-1.31	0.00	0.00	0.00	0.55	0.11
0.25	7.50	-1.31	-1.15	0.00	0.00	0.00	0.41	0.11
0.30	9.00	-1.14	-1.00	0.00	0.00	0.00	0.27	0.11
0.35	10.50	-0.96	-0.84	0.00	0.00	0.00	0.13	0.11
0.40	12.00	-0.78	-0.68	0.00	0.00	0.00	-0.01	0.11
0.45	13.50	-0.60	-0.52	0.00	0.00	0.00	-0.15	0.11
0.50	15.00	-0.42	-0.37	0.00	0.00	0.00	-0.29	0.11
0.55	16.50	-0.24	-0.21	0.00	0.00	0.00	-0.43	0.11
0.60	18.00	-0.07	-0.05	0.00	0.00	0.00	-0.57	0.11
0.65	19.50	0.11	0.11	0.00	0.00	0.00	-0.72	0.11
0.70	21.00	0.29	0.26	0.00	0.00	0.00	-0.91	0.11
0.75	22.50	0.47	0.42	0.00	0.00	0.00	-1.10	0.11
0.80	24.00	0.65	0.58	0.00	0.00	0.00	-1.28	0.11
0.85	25.50	0.82	0.74	0.00	0.00	0.00	-1.47	0.11
0.90	27.00	1.00	0.89	0.00	0.00	0.00	-1.66	0.11
0.95	28.50	1.18	1.05	0.00	0.00	0.00	-1.84	0.11
1.00	30.00	1.65	1.21	0.00	0.00	0.00	-2.03	0.11

25 - FACTORED MOMENTS AND REACTIONS

Load Combination: 1.20SW + 1.60LL + 1.20SDL + 1.60XL + 1.00SEC

Factored Design Moments (Not Redistributed)

Span	Left Max	Left Min	Middle Max	Middle Min	Right Max	Right Min
	k-ft	k-ft	k-ft	k-ft	k-ft	k-ft
1	3.99	3.99	17.79	17.79	-19.17	-19.17
2	-19.86	-19.86	9.44	9.44	-12.01	-12.01
3	-11.78	-11.78	12.28	12.28	-14.42	-14.42
4	-14.50	-14.50	11.29	11.29	-13.69	-13.69
5	-13.66	-13.66	11.58	11.58	-13.93	-13.93
6	-13.94	-13.94	11.47	11.47	-13.88	-13.88
7	-13.88	-13.88	11.48	11.48	-13.92	-13.92
8	-13.91	-13.91	11.59	11.59	-13.68	-13.68
9	-13.67	-13.67	11.72	11.72	-13.66	-13.66
10	-13.67	-13.67	11.67	11.67	-13.76	-13.76
11	-13.76	-13.76	11.75	11.75	-13.52	-13.52
12	-13.55	-13.55	11.41	11.41	-14.40	-14.40
13	-14.32	-14.32	12.37	12.37	-11.71	-11.71
14	-11.95	-11.95	9.49	9.49	-19.83	-19.83
15	-19.14	-19.14	17.81	17.81	3.99	3.99

Reactions and Column Moments

Joint	Reaction Max	Reaction Min	Moment Lower Column Max	Moment Lower Column Min	Moment Upper Column Max	Moment Upper Column Min
	k	k	k-ft	k-ft	k-ft	k-ft
1	3.53	3.53	0.00	0.00	0.00	0.00
2	9.88	9.88	0.00	0.00	0.00	0.00
3	8.37	8.37	0.00	0.00	0.00	0.00
4	8.87	8.87	0.00	0.00	0.00	0.00
5	8.71	8.71	0.00	0.00	0.00	0.00
6	8.76	8.76	0.00	0.00	0.00	0.00

7	8.75	8.75	0.00	0.00	0.00	0.00
8	8.75	8.75	0.00	0.00	0.00	0.00
9	8.75	8.75	0.00	0.00	0.00	0.00
10	8.75	8.75	0.00	0.00	0.00	0.00
11	8.76	8.76	0.00	0.00	0.00	0.00
12	8.71	8.71	0.00	0.00	0.00	0.00
13	8.87	8.87	0.00	0.00	0.00	0.00
14	8.37	8.37	0.00	0.00	0.00	0.00
15	9.88	9.88	0.00	0.00	0.00	0.00
16	3.53	3.53	0.00	0.00	0.00	0.00

Note: Moments are reported at face of support

27 - DETAILED STRESSES

SPAN 1

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-139.	139.	-113.	113.	0.	0.	0.	0.	0.	0.	-147.	-379.
0.10	3.00	-247.	247.	-209.	209.	0.	0.	0.	0.	0.	0.	-49.	-477.
0.15	4.50	-338.	338.	-291.	291.	0.	0.	0.	0.	0.	0.	30.	-556.
0.20	6.00	-412.	412.	-356.	356.	0.	0.	0.	0.	0.	0.	90.	-617.
0.25	7.50	-467.	467.	-406.	406.	0.	0.	0.	0.	0.	0.	132.	-658.
0.30	9.00	-505.	505.	-440.	440.	0.	0.	0.	0.	0.	0.	155.	-682.
0.35	10.50	-525.	525.	-458.	458.	0.	0.	0.	0.	0.	0.	160.	-686.
0.40	12.00	-527.	527.	-461.	461.	0.	0.	0.	0.	0.	0.	147.	-673.
0.45	13.50	-512.	512.	-448.	448.	0.	0.	0.	0.	0.	0.	120.	-646.
0.50	15.00	-478.	478.	-419.	419.	0.	0.	0.	0.	0.	0.	79.	-605.
0.55	16.50	-427.	427.	-375.	375.	0.	0.	0.	0.	0.	0.	24.	-550.
0.60	18.00	-358.	358.	-314.	314.	0.	0.	0.	0.	0.	0.	-45.	-481.
0.65	19.50	-272.	272.	-239.	239.	0.	0.	0.	0.	0.	0.	-128.	-398.
0.70	21.00	-167.	167.	-147.	147.	0.	0.	0.	0.	0.	0.	-225.	-301.
0.75	22.50	-45.	45.	-40.	40.	0.	0.	0.	0.	0.	0.	-335.	-191.
0.80	24.00	95.	-95.	83.	-83.	0.	0.	0.	0.	0.	0.	-460.	-66.
0.85	25.50	252.	-252.	222.	-222.	0.	0.	0.	0.	0.	0.	-599.	72.
0.90	27.00	428.	-428.	377.	-377.	0.	0.	0.	0.	0.	0.	-751.	225.
0.95	28.50	621.	-621.	547.	-547.	0.	0.	0.	0.	0.	0.	-918.	392.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-308.	-----	-298.	-----	-398.	-----	-128.	-----	-398.	-----	-128.
0.10	3.00	-----	-304.	-----	-301.	-----	-506.	-----	-20.	-----	-506.	-----	-20.
0.15	4.50	-----	-304.	-----	-301.	-----	-599.	73.	-----	-----	-599.	73.	-----
0.20	6.00	-----	-308.	-----	-297.	-----	-677.	151.	-----	-----	-677.	151.	-----
0.25	7.50	-----	-315.	-----	-290.	-----	-741.	215.	-----	-----	-741.	215.	-----
0.30	9.00	-----	-326.	-----	-279.	-----	-789.	263.	-----	-----	-789.	263.	-----
0.35	10.50	-----	-341.	-----	-264.	-----	-823.	297.	-----	-----	-823.	297.	-----
0.40	12.00	-----	-358.	-----	-247.	-----	-841.	315.	-----	-----	-841.	315.	-----
0.45	13.50	-----	-374.	-----	-231.	-----	-840.	313.	-----	-----	-840.	313.	-----
0.50	15.00	-----	-388.	-----	-217.	-----	-819.	292.	-----	-----	-819.	292.	-----
0.55	16.50	-----	-400.	-----	-205.	-----	-778.	252.	-----	-----	-778.	252.	-----
0.60	18.00	-----	-411.	-----	-195.	-----	-718.	192.	-----	-----	-718.	192.	-----

0.65	19.50	----	-419.	----	-186.	----	-639.	112.	----	----	-639.	112.	----	
0.70	21.00	----	-426.	----	-179.	----	-540.	13.	----	----	-540.	13.	----	
0.75	22.50	----	-431.	----	-174.	----	-420.	----	----	-106.	----	-420.	----	-106.
0.80	24.00	----	-434.	----	-171.	----	-282.	----	----	-244.	----	-282.	----	-244.
0.85	25.50	----	-436.	----	-169.	----	-124.	----	----	-402.	----	-124.	----	-402.
0.90	27.00	----	-436.	----	-169.	53.	----	----	----	-579.	53.	----	----	-579.
0.95	28.50	----	-435.	----	-170.	249.	----	----	----	-776.	249.	----	----	-776.
1.00	30.00													

SPAN 2

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												
0.05	1.50	650.	-650.	572.	-572.	0.	0.	0.	0.	0.	0.	-862.	336.
0.10	3.00	486.	-486.	427.	-427.	0.	0.	0.	0.	0.	0.	-650.	124.
0.15	4.50	340.	-340.	298.	-298.	0.	0.	0.	0.	0.	0.	-463.	-64.
0.20	6.00	212.	-212.	185.	-185.	0.	0.	0.	0.	0.	0.	-300.	-226.
0.25	7.50	101.	-101.	87.	-87.	0.	0.	0.	0.	0.	0.	-162.	-364.
0.30	9.00	8.	-8.	6.	-6.	0.	0.	0.	0.	0.	0.	-50.	-476.
0.35	10.50	-67.	67.	-61.	61.	0.	0.	0.	0.	0.	0.	38.	-564.
0.40	12.00	-124.	124.	-111.	111.	0.	0.	0.	0.	0.	0.	100.	-627.
0.45	13.50	-164.	164.	-146.	146.	0.	0.	0.	0.	0.	0.	138.	-664.
0.50	15.00	-185.	185.	-165.	165.	0.	0.	0.	0.	0.	0.	151.	-677.
0.55	16.50	-189.	189.	-168.	168.	0.	0.	0.	0.	0.	0.	139.	-665.
0.60	18.00	-176.	176.	-156.	156.	0.	0.	0.	0.	0.	0.	102.	-628.
0.65	19.50	-144.	144.	-128.	128.	0.	0.	0.	0.	0.	0.	40.	-566.
0.70	21.00	-95.	95.	-84.	84.	0.	0.	0.	0.	0.	0.	-47.	-479.
0.75	22.50	-28.	28.	-25.	25.	0.	0.	0.	0.	0.	0.	-157.	-369.
0.80	24.00	57.	-57.	51.	-51.	0.	0.	0.	0.	0.	0.	-294.	-232.
0.85	25.50	159.	-159.	141.	-141.	0.	0.	0.	0.	0.	0.	-456.	-71.
0.90	27.00	280.	-280.	248.	-248.	0.	0.	0.	0.	0.	0.	-642.	116.
0.95	28.50	418.	-418.	370.	-370.	0.	0.	0.	0.	0.	0.	-853.	327.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-342.	----	-264.	360.	----	----	-886.	360.	----	----	-886.
0.10	3.00	----	-261.	----	-344.	264.	----	----	-790.	264.	----	----	-790.
0.15	4.50	----	-192.	----	-413.	176.	----	----	-702.	176.	----	----	-702.
0.20	6.00	----	-133.	----	-472.	97.	----	----	-623.	97.	----	----	-623.
0.25	7.50	----	-86.	----	-520.	26.	----	----	-552.	26.	----	----	-552.
0.30	9.00	----	-49.	----	-556.	----	-36.	----	-490.	----	-36.	----	-490.
0.35	10.50	----	-23.	----	-582.	----	-90.	----	-437.	----	-90.	----	-437.
0.40	12.00	----	-9.	----	-596.	----	-135.	----	-391.	----	-135.	----	-391.
0.45	13.50	----	-5.	----	-600.	----	-172.	----	-355.	----	-172.	----	-355.
0.50	15.00	----	-12.	----	-593.	----	-200.	----	-327.	----	-200.	----	-327.
0.55	16.50	----	-30.	----	-575.	----	-219.	----	-307.	----	-219.	----	-307.
0.60	18.00	----	-59.	----	-546.	----	-230.	----	-296.	----	-230.	----	-296.
0.65	19.50	----	-99.	----	-507.	----	-232.	----	-294.	----	-232.	----	-294.
0.70	21.00	----	-149.	----	-456.	----	-226.	----	-300.	----	-226.	----	-300.
0.75	22.50	----	-209.	----	-396.	----	-210.	----	-316.	----	-210.	----	-316.
0.80	24.00	----	-281.	----	-324.	----	-187.	----	-340.	----	-187.	----	-340.
0.85	25.50	----	-365.	----	-241.	----	-155.	----	-372.	----	-155.	----	-372.
0.90	27.00	----	-459.	----	-147.	----	-114.	----	-412.	----	-114.	----	-412.

0.95	28.50	-----	-564.	-----	-42.	-----	-65.	-----	-461.	-----	-65.	-----	-461.
1.00	30.00												

SPAN 3

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	409.	-409.	363.	-363.	0.	0.	0.	0.	0.	0.	-887.	361.
0.10	3.00	262.	-262.	232.	-232.	0.	0.	0.	0.	0.	0.	-690.	164.
0.15	4.50	132.	-132.	118.	-118.	0.	0.	0.	0.	0.	0.	-501.	-25.
0.20	6.00	21.	-21.	19.	-19.	0.	0.	0.	0.	0.	0.	-320.	-206.
0.25	7.50	-73.	73.	-63.	63.	0.	0.	0.	0.	0.	0.	-161.	-277.
0.30	9.00	-149.	149.	-131.	131.	0.	0.	0.	0.	0.	0.	-67.	-372.
0.35	10.50	-207.	207.	-182.	182.	0.	0.	0.	0.	0.	0.	7.	-445.
0.40	12.00	-247.	247.	-218.	218.	0.	0.	0.	0.	0.	0.	59.	-497.
0.45	13.50	-270.	270.	-238.	238.	0.	0.	0.	0.	0.	0.	91.	-529.
0.50	15.00	-275.	275.	-243.	243.	0.	0.	0.	0.	0.	0.	102.	-540.
0.55	16.50	-262.	262.	-231.	231.	0.	0.	0.	0.	0.	0.	92.	-531.
0.60	18.00	-232.	232.	-204.	204.	0.	0.	0.	0.	0.	0.	61.	-500.
0.65	19.50	-183.	183.	-162.	162.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-117.	117.	-103.	103.	0.	0.	0.	0.	0.	0.	-62.	-377.
0.75	22.50	-33.	33.	-29.	29.	0.	0.	0.	0.	0.	0.	-153.	-285.
0.80	24.00	68.	-68.	61.	-61.	0.	0.	0.	0.	0.	0.	-267.	-172.
0.85	25.50	188.	-188.	166.	-166.	0.	0.	0.	0.	0.	0.	-401.	-37.
0.90	27.00	325.	-325.	287.	-287.	0.	0.	0.	0.	0.	0.	-556.	118.
0.95	28.50	480.	-480.	424.	-424.	0.	0.	0.	0.	0.	0.	-732.	294.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-611.	6.	-----	-----	-116.	-----	-411.	-----	-116.	-----	-411.
0.10	3.00	-----	-532.	-----	-73.	-----	-196.	-----	-330.	-----	-196.	-----	-330.
0.15	4.50	-----	-444.	-----	-161.	-----	-251.	-----	-276.	-----	-251.	-----	-276.
0.20	6.00	-----	-347.	-----	-258.	-----	-280.	-----	-247.	-----	-280.	-----	-247.
0.25	7.50	-----	-258.	-----	-246.	-----	-297.	-----	-141.	-----	-297.	-----	-141.
0.30	9.00	-----	-226.	-----	-279.	-----	-346.	-----	-92.	-----	-346.	-----	-92.
0.35	10.50	-----	-199.	-----	-305.	-----	-383.	-----	-56.	-----	-383.	-----	-56.
0.40	12.00	-----	-180.	-----	-325.	-----	-407.	-----	-32.	-----	-407.	-----	-32.
0.45	13.50	-----	-166.	-----	-338.	-----	-418.	-----	-21.	-----	-418.	-----	-21.
0.50	15.00	-----	-158.	-----	-346.	-----	-416.	-----	-23.	-----	-416.	-----	-23.
0.55	16.50	-----	-157.	-----	-348.	-----	-402.	-----	-37.	-----	-402.	-----	-37.
0.60	18.00	-----	-161.	-----	-343.	-----	-375.	-----	-64.	-----	-375.	-----	-64.
0.65	19.50	-----	-172.	-----	-333.	-----	-335.	-----	-104.	-----	-335.	-----	-104.
0.70	21.00	-----	-188.	-----	-316.	-----	-282.	-----	-156.	-----	-282.	-----	-156.
0.75	22.50	-----	-210.	-----	-295.	-----	-216.	-----	-223.	-----	-216.	-----	-223.
0.80	24.00	-----	-239.	-----	-266.	-----	-138.	-----	-301.	-----	-138.	-----	-301.
0.85	25.50	-----	-274.	-----	-231.	-----	-47.	-----	-391.	-----	-47.	-----	-391.
0.90	27.00	-----	-315.	-----	-189.	56.	-----	-----	-495.	56.	-----	-----	-495.
0.95	28.50	-----	-362.	-----	-142.	172.	-----	-----	-611.	172.	-----	-----	-611.
1.00	30.00												

SPAN 4

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
----	---	--------	--------	---------	---------	--------	--------	--------------	--------------	--------------	--------------	--------	--------

	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												
0.05	1.50	483.	-483.	427.	-427.	0.	0.	0.	0.	0.	0.	-733.	295.
0.10	3.00	330.	-330.	292.	-292.	0.	0.	0.	0.	0.	0.	-557.	118.
0.15	4.50	196.	-196.	173.	-173.	0.	0.	0.	0.	0.	0.	-401.	-37.
0.20	6.00	79.	-79.	70.	-70.	0.	0.	0.	0.	0.	0.	-267.	-172.
0.25	7.50	-20.	20.	-17.	17.	0.	0.	0.	0.	0.	0.	-153.	-286.
0.30	9.00	-101.	101.	-89.	89.	0.	0.	0.	0.	0.	0.	-59.	-379.
0.35	10.50	-164.	164.	-145.	145.	0.	0.	0.	0.	0.	0.	13.	-452.
0.40	12.00	-210.	210.	-185.	185.	0.	0.	0.	0.	0.	0.	64.	-503.
0.45	13.50	-238.	238.	-210.	210.	0.	0.	0.	0.	0.	0.	95.	-534.
0.50	15.00	-248.	248.	-219.	219.	0.	0.	0.	0.	0.	0.	105.	-544.
0.55	16.50	-240.	240.	-212.	212.	0.	0.	0.	0.	0.	0.	95.	-533.
0.60	18.00	-215.	215.	-190.	190.	0.	0.	0.	0.	0.	0.	63.	-502.
0.65	19.50	-171.	171.	-151.	151.	0.	0.	0.	0.	0.	0.	11.	-449.
0.70	21.00	-110.	110.	-97.	97.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	65.	-65.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-169.
0.85	25.50	179.	-179.	159.	-159.	0.	0.	0.	0.	0.	0.	-405.	-34.
0.90	27.00	311.	-311.	275.	-275.	0.	0.	0.	0.	0.	0.	-561.	122.
0.95	28.50	461.	-461.	408.	-408.	0.	0.	0.	0.	0.	0.	-738.	299.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-361.	-----	-144.	176.	-----	-----	-615.	176.	-----	-----	-615.
0.10	3.00	-----	-310.	-----	-194.	66.	-----	-----	-504.	66.	-----	-----	-504.
0.15	4.50	-----	-266.	-----	-239.	-----	-32.	-----	-406.	-----	-32.	-----	-406.
0.20	6.00	-----	-227.	-----	-277.	-----	-117.	-----	-321.	-----	-117.	-----	-321.
0.25	7.50	-----	-195.	-----	-309.	-----	-189.	-----	-249.	-----	-189.	-----	-249.
0.30	9.00	-----	-169.	-----	-335.	-----	-249.	-----	-189.	-----	-249.	-----	-189.
0.35	10.50	-----	-149.	-----	-355.	-----	-296.	-----	-143.	-----	-296.	-----	-143.
0.40	12.00	-----	-136.	-----	-369.	-----	-331.	-----	-108.	-----	-331.	-----	-108.
0.45	13.50	-----	-128.	-----	-376.	-----	-352.	-----	-86.	-----	-352.	-----	-86.
0.50	15.00	-----	-127.	-----	-378.	-----	-361.	-----	-77.	-----	-361.	-----	-77.
0.55	16.50	-----	-131.	-----	-373.	-----	-358.	-----	-81.	-----	-358.	-----	-81.
0.60	18.00	-----	-142.	-----	-362.	-----	-341.	-----	-98.	-----	-341.	-----	-98.
0.65	19.50	-----	-159.	-----	-345.	-----	-312.	-----	-127.	-----	-312.	-----	-127.
0.70	21.00	-----	-182.	-----	-322.	-----	-270.	-----	-168.	-----	-270.	-----	-168.
0.75	22.50	-----	-210.	-----	-295.	-----	-214.	-----	-224.	-----	-214.	-----	-224.
0.80	24.00	-----	-245.	-----	-259.	-----	-147.	-----	-292.	-----	-147.	-----	-292.
0.85	25.50	-----	-286.	-----	-218.	-----	-67.	-----	-372.	-----	-67.	-----	-372.
0.90	27.00	-----	-334.	-----	-171.	26.	-----	-----	-464.	26.	-----	-----	-464.
0.95	28.50	-----	-387.	-----	-117.	131.	-----	-----	-570.	131.	-----	-----	-570.
1.00	30.00												

SPAN 5

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												
0.05	1.50	460.	-460.	407.	-407.	0.	0.	0.	0.	0.	0.	-739.	301.
0.10	3.00	309.	-309.	274.	-274.	0.	0.	0.	0.	0.	0.	-562.	124.
0.15	4.50	177.	-177.	156.	-156.	0.	0.	0.	0.	0.	0.	-406.	-32.
0.20	6.00	61.	-61.	55.	-55.	0.	0.	0.	0.	0.	0.	-271.	-167.

0.25	7.50	-36.	36.	-31.	31.	0.	0.	0.	0.	0.	0.	-157.	-282.
0.30	9.00	-115.	115.	-102.	102.	0.	0.	0.	0.	0.	0.	-63.	-375.
0.35	10.50	-177.	177.	-156.	156.	0.	0.	0.	0.	0.	0.	10.	-448.
0.40	12.00	-221.	221.	-195.	195.	0.	0.	0.	0.	0.	0.	61.	-500.
0.45	13.50	-248.	248.	-219.	219.	0.	0.	0.	0.	0.	0.	93.	-531.
0.50	15.00	-256.	256.	-226.	226.	0.	0.	0.	0.	0.	0.	103.	-542.
0.55	16.50	-247.	247.	-218.	218.	0.	0.	0.	0.	0.	0.	93.	-531.
0.60	18.00	-220.	220.	-194.	194.	0.	0.	0.	0.	0.	0.	62.	-500.
0.65	19.50	-175.	175.	-155.	155.	0.	0.	0.	0.	0.	0.	10.	-448.
0.70	21.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-63.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-170.
0.85	25.50	182.	-182.	161.	-161.	0.	0.	0.	0.	0.	0.	-404.	-35.
0.90	27.00	315.	-315.	279.	-279.	0.	0.	0.	0.	0.	0.	-560.	121.
0.95	28.50	467.	-467.	413.	-413.	0.	0.	0.	0.	0.	0.	-736.	297.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-390.	-----	-114.	128.	-----	-----	-567.	128.	-----	-----	-567.
0.10	3.00	-----	-337.	-----	-167.	21.	-----	-----	-459.	21.	-----	-----	-459.
0.15	4.50	-----	-291.	-----	-214.	-----	-74.	-----	-365.	-----	-74.	-----	-365.
0.20	6.00	-----	-250.	-----	-254.	-----	-155.	-----	-283.	-----	-155.	-----	-283.
0.25	7.50	-----	-216.	-----	-288.	-----	-224.	-----	-214.	-----	-224.	-----	-214.
0.30	9.00	-----	-188.	-----	-316.	-----	-280.	-----	-158.	-----	-280.	-----	-158.
0.35	10.50	-----	-166.	-----	-338.	-----	-324.	-----	-115.	-----	-324.	-----	-115.
0.40	12.00	-----	-151.	-----	-354.	-----	-355.	-----	-83.	-----	-355.	-----	-83.
0.45	13.50	-----	-141.	-----	-363.	-----	-374.	-----	-65.	-----	-374.	-----	-65.
0.50	15.00	-----	-138.	-----	-367.	-----	-379.	-----	-59.	-----	-379.	-----	-59.
0.55	16.50	-----	-140.	-----	-364.	-----	-372.	-----	-67.	-----	-372.	-----	-67.
0.60	18.00	-----	-149.	-----	-356.	-----	-352.	-----	-86.	-----	-352.	-----	-86.
0.65	19.50	-----	-164.	-----	-341.	-----	-320.	-----	-119.	-----	-320.	-----	-119.
0.70	21.00	-----	-185.	-----	-320.	-----	-275.	-----	-164.	-----	-275.	-----	-164.
0.75	22.50	-----	-210.	-----	-294.	-----	-215.	-----	-223.	-----	-215.	-----	-223.
0.80	24.00	-----	-244.	-----	-261.	-----	-145.	-----	-294.	-----	-145.	-----	-294.
0.85	25.50	-----	-283.	-----	-222.	-----	-61.	-----	-377.	-----	-61.	-----	-377.
0.90	27.00	-----	-328.	-----	-176.	35.	-----	-----	-473.	35.	-----	-----	-473.
0.95	28.50	-----	-380.	-----	-125.	143.	-----	-----	-582.	143.	-----	-----	-582.
1.00	30.00												

SPAN 6

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	467.	-467.	413.	-413.	0.	0.	0.	0.	0.	0.	-737.	299.
0.10	3.00	316.	-316.	279.	-279.	0.	0.	0.	0.	0.	0.	-561.	122.
0.15	4.50	183.	-183.	162.	-162.	0.	0.	0.	0.	0.	0.	-405.	-34.
0.20	6.00	67.	-67.	59.	-59.	0.	0.	0.	0.	0.	0.	-270.	-169.
0.25	7.50	-31.	31.	-27.	27.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-111.	111.	-98.	98.	0.	0.	0.	0.	0.	0.	-62.	-377.
0.35	10.50	-173.	173.	-153.	153.	0.	0.	0.	0.	0.	0.	11.	-449.
0.40	12.00	-218.	218.	-192.	192.	0.	0.	0.	0.	0.	0.	62.	-501.
0.45	13.50	-244.	244.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.50	15.00	-253.	253.	-224.	224.	0.	0.	0.	0.	0.	0.	104.	-542.

0.55	16.50	-245.	245.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.60	18.00	-218.	218.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.65	19.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-63.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-169.
0.85	25.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-404.	-34.
0.90	27.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-560.	121.
0.95	28.50	465.	-465.	411.	-411.	0.	0.	0.	0.	0.	0.	-737.	298.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-381.	----	-123.	143.	----	----	-581.	143.	----	----	-581.
0.10	3.00	----	-329.	----	-175.	35.	----	----	-473.	35.	----	----	-473.
0.15	4.50	----	-283.	----	-221.	----	-61.	----	-378.	----	-61.	----	-378.
0.20	6.00	----	-243.	----	-261.	----	-143.	----	-295.	----	-143.	----	-295.
0.25	7.50	----	-210.	----	-295.	----	-213.	----	-225.	----	-213.	----	-225.
0.30	9.00	----	-182.	----	-322.	----	-271.	----	-168.	----	-271.	----	-168.
0.35	10.50	----	-161.	----	-343.	----	-315.	----	-123.	----	-315.	----	-123.
0.40	12.00	----	-146.	----	-358.	----	-348.	----	-91.	----	-348.	----	-91.
0.45	13.50	----	-137.	----	-367.	----	-367.	----	-72.	----	-367.	----	-72.
0.50	15.00	----	-134.	----	-370.	----	-374.	----	-65.	----	-374.	----	-65.
0.55	16.50	----	-137.	----	-367.	----	-368.	----	-71.	----	-368.	----	-71.
0.60	18.00	----	-147.	----	-358.	----	-349.	----	-90.	----	-349.	----	-90.
0.65	19.50	----	-162.	----	-342.	----	-317.	----	-121.	----	-317.	----	-121.
0.70	21.00	----	-184.	----	-320.	----	-273.	----	-165.	----	-273.	----	-165.
0.75	22.50	----	-210.	----	-294.	----	-215.	----	-224.	----	-215.	----	-224.
0.80	24.00	----	-244.	----	-260.	----	-145.	----	-293.	----	-145.	----	-293.
0.85	25.50	----	-284.	----	-221.	----	-63.	----	-376.	----	-63.	----	-376.
0.90	27.00	----	-330.	----	-175.	32.	----	----	-471.	32.	----	----	-471.
0.95	28.50	----	-382.	----	-122.	140.	----	----	-578.	140.	----	----	-578.
1.00	30.00												

SPAN 7

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	465.	-465.	411.	-411.	0.	0.	0.	0.	0.	0.	-738.	299.
0.10	3.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-561.	123.
0.15	4.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.20	6.00	65.	-65.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.35	10.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.40	12.00	-219.	219.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.45	13.50	-245.	245.	-217.	217.	0.	0.	0.	0.	0.	0.	93.	-532.
0.50	15.00	-254.	254.	-225.	225.	0.	0.	0.	0.	0.	0.	104.	-542.
0.55	16.50	-245.	245.	-217.	217.	0.	0.	0.	0.	0.	0.	93.	-532.
0.60	18.00	-219.	219.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.65	19.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-63.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-169.

0.85	25.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-404.	-34.
0.90	27.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-560.	121.
0.95	28.50	465.	-465.	412.	-412.	0.	0.	0.	0.	0.	0.	-736.	298.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-384.	----	-121.	138.	----	----	-577.	138.	----	----	-577.
0.10	3.00	----	-332.	----	-173.	30.	----	----	-469.	30.	----	----	-469.
0.15	4.50	----	-285.	----	-219.	----	-65.	----	-374.	----	-65.	----	-374.
0.20	6.00	----	-245.	----	-259.	----	-147.	----	-292.	----	-147.	----	-292.
0.25	7.50	----	-212.	----	-293.	----	-217.	----	-222.	----	-217.	----	-222.
0.30	9.00	----	-184.	----	-320.	----	-274.	----	-165.	----	-274.	----	-165.
0.35	10.50	----	-163.	----	-342.	----	-318.	----	-121.	----	-318.	----	-121.
0.40	12.00	----	-148.	----	-357.	----	-350.	----	-89.	----	-350.	----	-89.
0.45	13.50	----	-138.	----	-366.	----	-369.	----	-70.	----	-369.	----	-70.
0.50	15.00	----	-135.	----	-369.	----	-375.	----	-63.	----	-375.	----	-63.
0.55	16.50	----	-138.	----	-366.	----	-369.	----	-70.	----	-369.	----	-70.
0.60	18.00	----	-147.	----	-357.	----	-350.	----	-89.	----	-350.	----	-89.
0.65	19.50	----	-163.	----	-342.	----	-318.	----	-120.	----	-318.	----	-120.
0.70	21.00	----	-184.	----	-320.	----	-274.	----	-165.	----	-274.	----	-165.
0.75	22.50	----	-210.	----	-294.	----	-215.	----	-223.	----	-215.	----	-223.
0.80	24.00	----	-244.	----	-261.	----	-145.	----	-293.	----	-145.	----	-293.
0.85	25.50	----	-284.	----	-221.	----	-63.	----	-376.	----	-63.	----	-376.
0.90	27.00	----	-329.	----	-175.	33.	----	----	-471.	33.	----	----	-471.
0.95	28.50	----	-381.	----	-123.	141.	----	----	-579.	141.	----	----	-579.
1.00	30.00												

SPAN 8

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	465.	-465.	412.	-412.	0.	0.	0.	0.	0.	0.	-738.	299.
0.10	3.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-561.	123.
0.15	4.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.20	6.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.35	10.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.40	12.00	-218.	218.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.45	13.50	-245.	245.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.50	15.00	-254.	254.	-224.	224.	0.	0.	0.	0.	0.	0.	104.	-542.
0.55	16.50	-245.	245.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.60	18.00	-218.	218.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.65	19.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-63.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-169.
0.85	25.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-404.	-35.
0.90	27.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-560.	121.
0.95	28.50	465.	-465.	412.	-412.	0.	0.	0.	0.	0.	0.	-736.	298.
1.00	30.00												

XL	X	Initial	Initial	Initial	Initial	Env-1	Env-1	Env-1	Env-1	Env-2	Env-2	Env-2	Env-2
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		Top Max-T	Top Max-C	Bot Max-T	Bot Max-C	Top Max-T	Top Max-C	Bot Max-T	Bot Max-C	Top Max-T	Top Max-C	Bot Max-T	Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-383.	----	-121.	139.	----	----	-578.	139.	----	----	-578.
0.10	3.00	----	-331.	----	-174.	32.	----	----	-470.	32.	----	----	-470.
0.15	4.50	----	-285.	----	-220.	----	-64.	----	-375.	----	-64.	----	-375.
0.20	6.00	----	-245.	----	-260.	----	-146.	----	-293.	----	-146.	----	-293.
0.25	7.50	----	-211.	----	-293.	----	-216.	----	-223.	----	-216.	----	-223.
0.30	9.00	----	-183.	----	-321.	----	-273.	----	-166.	----	-273.	----	-166.
0.35	10.50	----	-162.	----	-342.	----	-317.	----	-121.	----	-317.	----	-121.
0.40	12.00	----	-147.	----	-357.	----	-349.	----	-89.	----	-349.	----	-89.
0.45	13.50	----	-138.	----	-367.	----	-368.	----	-70.	----	-368.	----	-70.
0.50	15.00	----	-135.	----	-370.	----	-375.	----	-64.	----	-375.	----	-64.
0.55	16.50	----	-138.	----	-366.	----	-368.	----	-70.	----	-368.	----	-70.
0.60	18.00	----	-147.	----	-357.	----	-349.	----	-89.	----	-349.	----	-89.
0.65	19.50	----	-162.	----	-342.	----	-318.	----	-121.	----	-318.	----	-121.
0.70	21.00	----	-184.	----	-320.	----	-273.	----	-165.	----	-273.	----	-165.
0.75	22.50	----	-210.	----	-294.	----	-215.	----	-224.	----	-215.	----	-224.
0.80	24.00	----	-244.	----	-261.	----	-145.	----	-294.	----	-145.	----	-294.
0.85	25.50	----	-283.	----	-221.	----	-62.	----	-376.	----	-62.	----	-376.
0.90	27.00	----	-329.	----	-175.	33.	----	----	-471.	33.	----	----	-471.
0.95	28.50	----	-381.	----	-123.	141.	----	----	-579.	141.	----	----	-579.
1.00	30.00												

SPAN 9

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	465.	-465.	412.	-412.	0.	0.	0.	0.	0.	0.	-738.	299.
0.10	3.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-561.	123.
0.15	4.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.20	6.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.35	10.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.40	12.00	-219.	219.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.45	13.50	-245.	245.	-217.	217.	0.	0.	0.	0.	0.	0.	93.	-532.
0.50	15.00	-254.	254.	-225.	225.	0.	0.	0.	0.	0.	0.	104.	-542.
0.55	16.50	-245.	245.	-217.	217.	0.	0.	0.	0.	0.	0.	93.	-532.
0.60	18.00	-219.	219.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-500.
0.65	19.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-63.	-376.
0.75	22.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	65.	-65.	58.	-58.	0.	0.	0.	0.	0.	0.	-269.	-169.
0.85	25.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-404.	-34.
0.90	27.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-560.	121.
0.95	28.50	465.	-465.	411.	-411.	0.	0.	0.	0.	0.	0.	-737.	298.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-383.	----	-121.	139.	----	----	-578.	139.	----	----	-578.
0.10	3.00	----	-331.	----	-173.	31.	----	----	-470.	31.	----	----	-470.

0.15	4.50	----	-285.	----	-219.	----	-64.	----	-375.	----	-64.	----	-375.
0.20	6.00	----	-245.	----	-259.	----	-146.	----	-292.	----	-146.	----	-292.
0.25	7.50	----	-211.	----	-293.	----	-216.	----	-223.	----	-216.	----	-223.
0.30	9.00	----	-184.	----	-321.	----	-273.	----	-165.	----	-273.	----	-165.
0.35	10.50	----	-162.	----	-342.	----	-318.	----	-121.	----	-318.	----	-121.
0.40	12.00	----	-147.	----	-357.	----	-350.	----	-89.	----	-350.	----	-89.
0.45	13.50	----	-138.	----	-366.	----	-369.	----	-70.	----	-369.	----	-70.
0.50	15.00	----	-135.	----	-369.	----	-375.	----	-63.	----	-375.	----	-63.
0.55	16.50	----	-138.	----	-366.	----	-369.	----	-69.	----	-369.	----	-69.
0.60	18.00	----	-148.	----	-357.	----	-350.	----	-88.	----	-350.	----	-88.
0.65	19.50	----	-163.	----	-341.	----	-319.	----	-120.	----	-319.	----	-120.
0.70	21.00	----	-185.	----	-320.	----	-274.	----	-164.	----	-274.	----	-164.
0.75	22.50	----	-211.	----	-294.	----	-216.	----	-223.	----	-216.	----	-223.
0.80	24.00	----	-244.	----	-260.	----	-146.	----	-293.	----	-146.	----	-293.
0.85	25.50	----	-284.	----	-220.	----	-64.	----	-375.	----	-64.	----	-375.
0.90	27.00	----	-330.	----	-174.	32.	----	----	-470.	32.	----	----	-470.
0.95	28.50	----	-382.	----	-122.	140.	----	----	-578.	140.	----	----	-578.
1.00	30.00												

SPAN 10

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												
0.05	1.50	465.	-465.	411.	-411.	0.	0.	0.	0.	0.	0.	-738.	299.
0.10	3.00	314.	-314.	278.	-278.	0.	0.	0.	0.	0.	0.	-561.	123.
0.15	4.50	181.	-181.	160.	-160.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.20	6.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.35	10.50	-174.	174.	-154.	154.	0.	0.	0.	0.	0.	0.	11.	-449.
0.40	12.00	-218.	218.	-193.	193.	0.	0.	0.	0.	0.	0.	62.	-501.
0.45	13.50	-245.	245.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.50	15.00	-253.	253.	-224.	224.	0.	0.	0.	0.	0.	0.	104.	-542.
0.55	16.50	-244.	244.	-216.	216.	0.	0.	0.	0.	0.	0.	93.	-532.
0.60	18.00	-218.	218.	-192.	192.	0.	0.	0.	0.	0.	0.	62.	-501.
0.65	19.50	-173.	173.	-153.	153.	0.	0.	0.	0.	0.	0.	10.	-449.
0.70	21.00	-111.	111.	-98.	98.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.75	22.50	-31.	31.	-27.	27.	0.	0.	0.	0.	0.	0.	-155.	-284.
0.80	24.00	67.	-67.	59.	-59.	0.	0.	0.	0.	0.	0.	-269.	-170.
0.85	25.50	183.	-183.	162.	-162.	0.	0.	0.	0.	0.	0.	-404.	-35.
0.90	27.00	316.	-316.	279.	-279.	0.	0.	0.	0.	0.	0.	-559.	121.
0.95	28.50	467.	-467.	413.	-413.	0.	0.	0.	0.	0.	0.	-736.	297.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-384.	----	-121.	138.	----	----	-577.	138.	----	----	-577.
0.10	3.00	----	-331.	----	-173.	31.	----	----	-469.	31.	----	----	-469.
0.15	4.50	----	-285.	----	-219.	----	-64.	----	-374.	----	-64.	----	-374.
0.20	6.00	----	-245.	----	-259.	----	-146.	----	-292.	----	-146.	----	-292.
0.25	7.50	----	-211.	----	-293.	----	-216.	----	-223.	----	-216.	----	-223.
0.30	9.00	----	-183.	----	-321.	----	-273.	----	-166.	----	-273.	----	-166.
0.35	10.50	----	-162.	----	-343.	----	-317.	----	-122.	----	-317.	----	-122.
0.40	12.00	----	-147.	----	-358.	----	-349.	----	-90.	----	-349.	----	-90.

0.45	13.50	----	-137.	----	-367.	----	-368.	----	-71.	----	-368.	----	-71.
0.50	15.00	----	-134.	----	-370.	----	-374.	----	-65.	----	-374.	----	-65.
0.55	16.50	----	-137.	----	-367.	----	-367.	----	-71.	----	-367.	----	-71.
0.60	18.00	----	-146.	----	-358.	----	-348.	----	-91.	----	-348.	----	-91.
0.65	19.50	----	-161.	----	-343.	----	-316.	----	-123.	----	-316.	----	-123.
0.70	21.00	----	-183.	----	-322.	----	-271.	----	-167.	----	-271.	----	-167.
0.75	22.50	----	-209.	----	-296.	----	-213.	----	-226.	----	-213.	----	-226.
0.80	24.00	----	-242.	----	-262.	----	-142.	----	-296.	----	-142.	----	-296.
0.85	25.50	----	-282.	----	-223.	----	-60.	----	-379.	----	-60.	----	-379.
0.90	27.00	----	-328.	----	-177.	36.	----	----	-474.	36.	----	----	-474.
0.95	28.50	----	-379.	----	-125.	144.	----	----	-583.	144.	----	----	-583.
1.00	30.00												

SPAN 11

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	467.	-467.	413.	-413.	0.	0.	0.	0.	0.	0.	-737.	299.
0.10	3.00	315.	-315.	279.	-279.	0.	0.	0.	0.	0.	0.	-561.	122.
0.15	4.50	182.	-182.	161.	-161.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.20	6.00	66.	-66.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-169.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-112.	112.	-99.	99.	0.	0.	0.	0.	0.	0.	-62.	-376.
0.35	10.50	-175.	175.	-155.	155.	0.	0.	0.	0.	0.	0.	10.	-449.
0.40	12.00	-220.	220.	-194.	194.	0.	0.	0.	0.	0.	0.	62.	-500.
0.45	13.50	-247.	247.	-218.	218.	0.	0.	0.	0.	0.	0.	93.	-531.
0.50	15.00	-256.	256.	-226.	226.	0.	0.	0.	0.	0.	0.	103.	-542.
0.55	16.50	-248.	248.	-219.	219.	0.	0.	0.	0.	0.	0.	93.	-531.
0.60	18.00	-221.	221.	-195.	195.	0.	0.	0.	0.	0.	0.	61.	-500.
0.65	19.50	-177.	177.	-156.	156.	0.	0.	0.	0.	0.	0.	9.	-448.
0.70	21.00	-115.	115.	-102.	102.	0.	0.	0.	0.	0.	0.	-64.	-375.
0.75	22.50	-36.	36.	-31.	31.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.80	24.00	61.	-61.	55.	-55.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.85	25.50	177.	-177.	156.	-156.	0.	0.	0.	0.	0.	0.	-405.	-33.
0.90	27.00	309.	-309.	274.	-274.	0.	0.	0.	0.	0.	0.	-561.	123.
0.95	28.50	460.	-460.	407.	-407.	0.	0.	0.	0.	0.	0.	-738.	299.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-381.	----	-123.	142.	----	----	-581.	142.	----	----	-581.
0.10	3.00	----	-330.	----	-175.	33.	----	----	-472.	33.	----	----	-472.
0.15	4.50	----	-284.	----	-220.	----	-62.	----	-376.	----	-62.	----	-376.
0.20	6.00	----	-245.	----	-260.	----	-146.	----	-293.	----	-146.	----	-293.
0.25	7.50	----	-211.	----	-293.	----	-216.	----	-222.	----	-216.	----	-222.
0.30	9.00	----	-184.	----	-320.	----	-274.	----	-164.	----	-274.	----	-164.
0.35	10.50	----	-163.	----	-341.	----	-319.	----	-119.	----	-319.	----	-119.
0.40	12.00	----	-149.	----	-356.	----	-352.	----	-86.	----	-352.	----	-86.
0.45	13.50	----	-140.	----	-364.	----	-372.	----	-67.	----	-372.	----	-67.
0.50	15.00	----	-138.	----	-367.	----	-379.	----	-59.	----	-379.	----	-59.
0.55	16.50	----	-141.	----	-363.	----	-374.	----	-65.	----	-374.	----	-65.
0.60	18.00	----	-151.	----	-354.	----	-355.	----	-83.	----	-355.	----	-83.
0.65	19.50	----	-167.	----	-338.	----	-324.	----	-114.	----	-324.	----	-114.
0.70	21.00	----	-189.	----	-316.	----	-281.	----	-158.	----	-281.	----	-158.

0.75	22.50	-----	-215.	-----	-289.	-----	-223.	-----	-215.	-----	-223.	-----	-215.
0.80	24.00	-----	-249.	-----	-255.	-----	-154.	-----	-284.	-----	-154.	-----	-284.
0.85	25.50	-----	-290.	-----	-215.	-----	-72.	-----	-366.	-----	-72.	-----	-366.
0.90	27.00	-----	-336.	-----	-168.	22.	-----	-----	-461.	22.	-----	-----	-461.
0.95	28.50	-----	-388.	-----	-116.	129.	-----	-----	-568.	129.	-----	-----	-568.
1.00	30.00												

SPAN 12

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	461.	-461.	408.	-408.	0.	0.	0.	0.	0.	0.	-739.	300.
0.10	3.00	311.	-311.	275.	-275.	0.	0.	0.	0.	0.	0.	-562.	123.
0.15	4.50	179.	-179.	159.	-159.	0.	0.	0.	0.	0.	0.	-406.	-33.
0.20	6.00	65.	-65.	58.	-58.	0.	0.	0.	0.	0.	0.	-270.	-168.
0.25	7.50	-32.	32.	-28.	28.	0.	0.	0.	0.	0.	0.	-156.	-283.
0.30	9.00	-110.	110.	-97.	97.	0.	0.	0.	0.	0.	0.	-62.	-377.
0.35	10.50	-171.	171.	-151.	151.	0.	0.	0.	0.	0.	0.	11.	-450.
0.40	12.00	-215.	215.	-190.	190.	0.	0.	0.	0.	0.	0.	63.	-502.
0.45	13.50	-240.	240.	-212.	212.	0.	0.	0.	0.	0.	0.	95.	-533.
0.50	15.00	-248.	248.	-219.	219.	0.	0.	0.	0.	0.	0.	105.	-544.
0.55	16.50	-238.	238.	-210.	210.	0.	0.	0.	0.	0.	0.	95.	-534.
0.60	18.00	-210.	210.	-185.	185.	0.	0.	0.	0.	0.	0.	64.	-503.
0.65	19.50	-164.	164.	-145.	145.	0.	0.	0.	0.	0.	0.	13.	-451.
0.70	21.00	-101.	101.	-89.	89.	0.	0.	0.	0.	0.	0.	-60.	-379.
0.75	22.50	-20.	20.	-17.	17.	0.	0.	0.	0.	0.	0.	-152.	-287.
0.80	24.00	79.	-79.	70.	-70.	0.	0.	0.	0.	0.	0.	-266.	-173.
0.85	25.50	196.	-196.	173.	-173.	0.	0.	0.	0.	0.	0.	-400.	-38.
0.90	27.00	330.	-330.	292.	-292.	0.	0.	0.	0.	0.	0.	-556.	117.
0.95	28.50	483.	-483.	427.	-427.	0.	0.	0.	0.	0.	0.	-732.	293.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-389.	-----	-116.	130.	-----	-----	-568.	130.	-----	-----	-568.
0.10	3.00	-----	-335.	-----	-169.	24.	-----	-----	-463.	24.	-----	-----	-463.
0.15	4.50	-----	-288.	-----	-217.	-----	-68.	-----	-370.	-----	-68.	-----	-370.
0.20	6.00	-----	-246.	-----	-258.	-----	-148.	-----	-291.	-----	-148.	-----	-291.
0.25	7.50	-----	-211.	-----	-294.	-----	-215.	-----	-223.	-----	-215.	-----	-223.
0.30	9.00	-----	-182.	-----	-323.	-----	-270.	-----	-169.	-----	-270.	-----	-169.
0.35	10.50	-----	-159.	-----	-346.	-----	-312.	-----	-127.	-----	-312.	-----	-127.
0.40	12.00	-----	-142.	-----	-362.	-----	-341.	-----	-98.	-----	-341.	-----	-98.
0.45	13.50	-----	-131.	-----	-373.	-----	-357.	-----	-81.	-----	-357.	-----	-81.
0.50	15.00	-----	-127.	-----	-378.	-----	-361.	-----	-77.	-----	-361.	-----	-77.
0.55	16.50	-----	-128.	-----	-376.	-----	-352.	-----	-86.	-----	-352.	-----	-86.
0.60	18.00	-----	-136.	-----	-369.	-----	-331.	-----	-108.	-----	-331.	-----	-108.
0.65	19.50	-----	-150.	-----	-355.	-----	-297.	-----	-142.	-----	-297.	-----	-142.
0.70	21.00	-----	-170.	-----	-335.	-----	-250.	-----	-189.	-----	-250.	-----	-189.
0.75	22.50	-----	-194.	-----	-310.	-----	-189.	-----	-250.	-----	-189.	-----	-250.
0.80	24.00	-----	-226.	-----	-278.	-----	-116.	-----	-322.	-----	-116.	-----	-322.
0.85	25.50	-----	-264.	-----	-240.	-----	-31.	-----	-408.	-----	-31.	-----	-408.
0.90	27.00	-----	-309.	-----	-196.	67.	-----	-----	-505.	67.	-----	-----	-505.
0.95	28.50	-----	-359.	-----	-145.	177.	-----	-----	-616.	177.	-----	-----	-616.
1.00	30.00												

SPAN 13

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												
0.05	1.50	480.	-480.	424.	-424.	0.	0.	0.	0.	0.	0.	-734.	295.
0.10	3.00	325.	-325.	287.	-287.	0.	0.	0.	0.	0.	0.	-558.	119.
0.15	4.50	188.	-188.	166.	-166.	0.	0.	0.	0.	0.	0.	-403.	-36.
0.20	6.00	68.	-68.	61.	-61.	0.	0.	0.	0.	0.	0.	-268.	-171.
0.25	7.50	-33.	33.	-29.	29.	0.	0.	0.	0.	0.	0.	-154.	-284.
0.30	9.00	-117.	117.	-103.	103.	0.	0.	0.	0.	0.	0.	-62.	-377.
0.35	10.50	-183.	183.	-162.	162.	0.	0.	0.	0.	0.	0.	11.	-449.
0.40	12.00	-232.	232.	-204.	204.	0.	0.	0.	0.	0.	0.	62.	-500.
0.45	13.50	-262.	262.	-231.	231.	0.	0.	0.	0.	0.	0.	92.	-531.
0.50	15.00	-275.	275.	-243.	243.	0.	0.	0.	0.	0.	0.	102.	-540.
0.55	16.50	-270.	270.	-238.	238.	0.	0.	0.	0.	0.	0.	91.	-529.
0.60	18.00	-247.	247.	-218.	218.	0.	0.	0.	0.	0.	0.	59.	-497.
0.65	19.50	-207.	207.	-182.	182.	0.	0.	0.	0.	0.	0.	6.	-445.
0.70	21.00	-149.	149.	-131.	131.	0.	0.	0.	0.	0.	0.	-67.	-371.
0.75	22.50	-73.	73.	-63.	63.	0.	0.	0.	0.	0.	0.	-160.	-278.
0.80	24.00	21.	-21.	19.	-19.	0.	0.	0.	0.	0.	0.	-319.	-207.
0.85	25.50	132.	-132.	118.	-118.	0.	0.	0.	0.	0.	0.	-500.	-26.
0.90	27.00	262.	-262.	232.	-232.	0.	0.	0.	0.	0.	0.	-689.	163.
0.95	28.50	409.	-409.	363.	-363.	0.	0.	0.	0.	0.	0.	-885.	359.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	-----	-364.	-----	-141.	171.	-----	-----	-609.	171.	-----	-----	-609.
0.10	3.00	-----	-316.	-----	-188.	55.	-----	-----	-493.	55.	-----	-----	-493.
0.15	4.50	-----	-275.	-----	-229.	-----	-49.	-----	-390.	-----	-49.	-----	-390.
0.20	6.00	-----	-240.	-----	-265.	-----	-139.	-----	-300.	-----	-139.	-----	-300.
0.25	7.50	-----	-211.	-----	-294.	-----	-217.	-----	-222.	-----	-217.	-----	-222.
0.30	9.00	-----	-188.	-----	-316.	-----	-282.	-----	-157.	-----	-282.	-----	-157.
0.35	10.50	-----	-171.	-----	-333.	-----	-334.	-----	-104.	-----	-334.	-----	-104.
0.40	12.00	-----	-161.	-----	-343.	-----	-375.	-----	-64.	-----	-375.	-----	-64.
0.45	13.50	-----	-156.	-----	-348.	-----	-402.	-----	-37.	-----	-402.	-----	-37.
0.50	15.00	-----	-158.	-----	-346.	-----	-416.	-----	-23.	-----	-416.	-----	-23.
0.55	16.50	-----	-166.	-----	-338.	-----	-418.	-----	-21.	-----	-418.	-----	-21.
0.60	18.00	-----	-180.	-----	-325.	-----	-407.	-----	-32.	-----	-407.	-----	-32.
0.65	19.50	-----	-200.	-----	-304.	-----	-383.	-----	-55.	-----	-383.	-----	-55.
0.70	21.00	-----	-226.	-----	-278.	-----	-347.	-----	-92.	-----	-347.	-----	-92.
0.75	22.50	-----	-257.	-----	-247.	-----	-296.	-----	-142.	-----	-296.	-----	-142.
0.80	24.00	-----	-346.	-----	-260.	-----	-278.	-----	-248.	-----	-278.	-----	-248.
0.85	25.50	-----	-442.	-----	-163.	-----	-249.	-----	-277.	-----	-249.	-----	-277.
0.90	27.00	-----	-530.	-----	-75.	-----	-195.	-----	-332.	-----	-195.	-----	-332.
0.95	28.50	-----	-610.	4.	-----	-----	-114.	-----	-412.	-----	-114.	-----	-412.
1.00	30.00												

SPAN 14

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	spi
0.00	0.00												

0.05	1.50	418.	-418.	370.	-370.	0.	0.	0.	0.	0.	0.	-855.	329.
0.10	3.00	280.	-280.	248.	-248.	0.	0.	0.	0.	0.	0.	-643.	117.
0.15	4.50	159.	-159.	141.	-141.	0.	0.	0.	0.	0.	0.	-457.	-69.
0.20	6.00	57.	-57.	51.	-51.	0.	0.	0.	0.	0.	0.	-295.	-231.
0.25	7.50	-28.	28.	-25.	25.	0.	0.	0.	0.	0.	0.	-158.	-368.
0.30	9.00	-95.	95.	-84.	84.	0.	0.	0.	0.	0.	0.	-47.	-480.
0.35	10.50	-144.	144.	-128.	128.	0.	0.	0.	0.	0.	0.	40.	-567.
0.40	12.00	-176.	176.	-156.	156.	0.	0.	0.	0.	0.	0.	102.	-628.
0.45	13.50	-189.	189.	-168.	168.	0.	0.	0.	0.	0.	0.	139.	-665.
0.50	15.00	-185.	185.	-165.	165.	0.	0.	0.	0.	0.	0.	151.	-677.
0.55	16.50	-164.	164.	-146.	146.	0.	0.	0.	0.	0.	0.	138.	-664.
0.60	18.00	-124.	124.	-111.	111.	0.	0.	0.	0.	0.	0.	100.	-626.
0.65	19.50	-67.	67.	-61.	61.	0.	0.	0.	0.	0.	0.	37.	-564.
0.70	21.00	8.	-8.	6.	-6.	0.	0.	0.	0.	0.	0.	-50.	-476.
0.75	22.50	101.	-101.	87.	-87.	0.	0.	0.	0.	0.	0.	-162.	-365.
0.80	24.00	212.	-212.	185.	-185.	0.	0.	0.	0.	0.	0.	-299.	-227.
0.85	25.50	340.	-340.	298.	-298.	0.	0.	0.	0.	0.	0.	-461.	-65.
0.90	27.00	486.	-486.	427.	-427.	0.	0.	0.	0.	0.	0.	-649.	122.
0.95	28.50	650.	-650.	572.	-572.	0.	0.	0.	0.	0.	0.	-861.	335.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-565.	----	-40.	----	-67.	----	-459.	----	-67.	----	-459.
0.10	3.00	----	-460.	----	-145.	----	-116.	----	-411.	----	-116.	----	-411.
0.15	4.50	----	-366.	----	-239.	----	-156.	----	-370.	----	-156.	----	-370.
0.20	6.00	----	-283.	----	-323.	----	-188.	----	-339.	----	-188.	----	-339.
0.25	7.50	----	-210.	----	-395.	----	-211.	----	-315.	----	-211.	----	-315.
0.30	9.00	----	-149.	----	-457.	----	-226.	----	-301.	----	-226.	----	-301.
0.35	10.50	----	-98.	----	-507.	----	-232.	----	-295.	----	-232.	----	-295.
0.40	12.00	----	-59.	----	-547.	----	-230.	----	-296.	----	-230.	----	-296.
0.45	13.50	----	-30.	----	-575.	----	-219.	----	-307.	----	-219.	----	-307.
0.50	15.00	----	-12.	----	-593.	----	-200.	----	-327.	----	-200.	----	-327.
0.55	16.50	----	-5.	----	-600.	----	-172.	----	-355.	----	-172.	----	-355.
0.60	18.00	----	-9.	----	-596.	----	-135.	----	-391.	----	-135.	----	-391.
0.65	19.50	----	-24.	----	-581.	----	-90.	----	-436.	----	-90.	----	-436.
0.70	21.00	----	-50.	----	-556.	----	-37.	----	-490.	----	-37.	----	-490.
0.75	22.50	----	-85.	----	-521.	27.	----	----	-553.	27.	----	----	-553.
0.80	24.00	----	-132.	----	-473.	98.	----	----	-624.	98.	----	----	-624.
0.85	25.50	----	-190.	----	-415.	177.	----	----	-703.	177.	----	----	-703.
0.90	27.00	----	-260.	----	-345.	265.	----	----	-791.	265.	----	----	-791.
0.95	28.50	----	-340.	----	-265.	361.	----	----	-888.	361.	----	----	-888.
1.00	30.00												

SPAN 15

XL	X	SW Top	SW Bot	SDL Top	SDL Bot	XL Top	XL Bot	LL Top Max-T	LL Top Max-C	LL Bot Max-T	LL Bot Max-C	PT Top	PT Bot
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	621.	-621.	547.	-547.	0.	0.	0.	0.	0.	0.	-919.	393.
0.10	3.00	428.	-428.	377.	-377.	0.	0.	0.	0.	0.	0.	-752.	226.
0.15	4.50	252.	-252.	222.	-222.	0.	0.	0.	0.	0.	0.	-600.	73.
0.20	6.00	95.	-95.	83.	-83.	0.	0.	0.	0.	0.	0.	-461.	-65.
0.25	7.50	-45.	45.	-40.	40.	0.	0.	0.	0.	0.	0.	-336.	-190.
0.30	9.00	-167.	167.	-147.	147.	0.	0.	0.	0.	0.	0.	-225.	-301.

0.35	10.50	-272.	272.	-239.	239.	0.	0.	0.	0.	0.	0.	-128.	-398.
0.40	12.00	-358.	358.	-314.	314.	0.	0.	0.	0.	0.	0.	-46.	-481.
0.45	13.50	-427.	427.	-375.	375.	0.	0.	0.	0.	0.	0.	23.	-550.
0.50	15.00	-478.	478.	-419.	419.	0.	0.	0.	0.	0.	0.	79.	-605.
0.55	16.50	-512.	512.	-448.	448.	0.	0.	0.	0.	0.	0.	120.	-646.
0.60	18.00	-527.	527.	-461.	461.	0.	0.	0.	0.	0.	0.	147.	-673.
0.65	19.50	-525.	525.	-458.	458.	0.	0.	0.	0.	0.	0.	160.	-686.
0.70	21.00	-505.	505.	-440.	440.	0.	0.	0.	0.	0.	0.	155.	-681.
0.75	22.50	-467.	467.	-406.	406.	0.	0.	0.	0.	0.	0.	133.	-659.
0.80	24.00	-412.	412.	-356.	356.	0.	0.	0.	0.	0.	0.	91.	-617.
0.85	25.50	-338.	338.	-291.	291.	0.	0.	0.	0.	0.	0.	31.	-557.
0.90	27.00	-247.	247.	-209.	209.	0.	0.	0.	0.	0.	0.	-48.	-478.
0.95	28.50	-139.	139.	-113.	113.	0.	0.	0.	0.	0.	0.	-146.	-380.
1.00	30.00												

XL	X	Initial Top Max-T	Initial Top Max-C	Initial Bot Max-T	Initial Bot Max-C	Env-1 Top Max-T	Env-1 Top Max-C	Env-1 Bot Max-T	Env-1 Bot Max-C	Env-2 Top Max-T	Env-2 Top Max-C	Env-2 Bot Max-T	Env-2 Bot Max-C
	ft	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
0.00	0.00												
0.05	1.50	----	-436.	----	-169.	248.	----	----	-775.	248.	----	----	-775.
0.10	3.00	----	-438.	----	-168.	52.	----	----	-578.	52.	----	----	-578.
0.15	4.50	----	-437.	----	-168.	----	-125.	----	-401.	----	-125.	----	-401.
0.20	6.00	----	-435.	----	-170.	----	-283.	----	-243.	----	-283.	----	-243.
0.25	7.50	----	-432.	----	-174.	----	-421.	----	-105.	----	-421.	----	-105.
0.30	9.00	----	-426.	----	-179.	----	-539.	13.	----	----	-539.	13.	----
0.35	10.50	----	-419.	----	-186.	----	-638.	112.	----	----	-638.	112.	----
0.40	12.00	----	-411.	----	-195.	----	-718.	192.	----	----	-718.	192.	----
0.45	13.50	----	-400.	----	-205.	----	-778.	252.	----	----	-778.	252.	----
0.50	15.00	----	-388.	----	-217.	----	-819.	292.	----	----	-819.	292.	----
0.55	16.50	----	-374.	----	-231.	----	-840.	314.	----	----	-840.	314.	----
0.60	18.00	----	-358.	----	-247.	----	-841.	315.	----	----	-841.	315.	----
0.65	19.50	----	-341.	----	-264.	----	-824.	297.	----	----	-824.	297.	----
0.70	21.00	----	-327.	----	-279.	----	-790.	264.	----	----	-790.	264.	----
0.75	22.50	----	-314.	----	-291.	----	-740.	214.	----	----	-740.	214.	----
0.80	24.00	----	-307.	----	-298.	----	-677.	150.	----	----	-677.	150.	----
0.85	25.50	----	-303.	----	-302.	----	-598.	72.	----	----	-598.	72.	----
0.90	27.00	----	-303.	----	-302.	----	-505.	----	-21.	----	-505.	----	-21.
0.95	28.50	----	-306.	----	-299.	----	-397.	----	-129.	----	-397.	----	-129.
1.00	30.00												

28 - REQUIRED POST-TENSIONING

Note: Required post-tensioning force based on stress conditions

XL	X	PT	X	PT	X	PT	X	PT
	ft	k	ft	k	ft	k	ft	k
	SPAN 1		SPAN 2		SPAN 3		SPAN 4	
0.00	0.00	---	0.00	---	0.00	---	0.00	---
0.05	1.50	0.00	1.50	29.32	1.50	13.25	1.50	18.06
0.10	3.00	4.87	3.00	24.65	3.00	4.99	3.00	10.91
0.15	4.50	13.46	4.50	16.80	4.50	0.00	4.50	0.00
0.20	6.00	18.89	6.00	1.73	6.00	0.00	6.00	0.00
0.25	7.50	22.49	7.50	0.00	7.50	0.00	7.50	0.00
0.30	9.00	24.88	9.00	0.00	9.00	0.00	9.00	0.00
0.35	10.50	26.39	10.50	0.00	10.50	0.55	10.50	0.00

0.40	12.00	27.12	12.00	0.00	12.00	4.33	12.00	0.77
0.45	13.50	26.93	13.50	0.00	13.50	6.09	13.50	3.19
0.50	15.00	25.68	15.00	0.00	15.00	6.40	15.00	4.00
0.55	16.50	23.04	16.50	0.00	16.50	5.38	16.50	3.40
0.60	18.00	18.29	18.00	0.00	18.00	2.83	18.00	1.23
0.65	19.50	9.86	19.50	0.00	19.50	0.00	19.50	0.00
0.70	21.00	0.00	21.00	0.00	21.00	0.00	21.00	0.00
0.75	22.50	0.00	22.50	0.00	22.50	0.00	22.50	0.00
0.80	24.00	0.00	24.00	0.00	24.00	0.00	24.00	0.00
0.85	25.50	4.76	25.50	0.00	25.50	0.00	25.50	0.00
0.90	27.00	16.96	27.00	6.93	27.00	10.46	27.00	9.23
0.95	28.50	25.75	28.50	14.36	28.50	17.91	28.50	16.58
1.00	30.00	---	30.00	---	30.00	---	30.00	---

XL	X	PT	X	PT	X	PT	X	PT
	ft	k	ft	k	ft	k	ft	k
	SPAN 5		SPAN 6		SPAN 7		SPAN 8	
0.00	0.00	---	0.00	---	0.00	---	0.00	---
0.05	1.50	29.32	1.50	13.25	1.50	18.06	1.50	16.49
0.10	3.00	24.65	3.00	4.99	3.00	10.91	3.00	9.06
0.15	4.50	16.80	4.50	0.00	4.50	0.00	4.50	0.00
0.20	6.00	1.73	6.00	0.00	6.00	0.00	6.00	0.00
0.25	7.50	0.00	7.50	0.00	7.50	0.00	7.50	0.00
0.30	9.00	0.00	9.00	0.00	9.00	0.00	9.00	0.00
0.35	10.50	0.00	10.50	0.55	10.50	0.00	10.50	0.00
0.40	12.00	0.00	12.00	4.33	12.00	0.77	12.00	1.86
0.45	13.50	0.00	13.50	6.09	13.50	3.19	13.50	4.08
0.50	15.00	0.00	15.00	6.40	15.00	4.00	15.00	4.74
0.55	16.50	0.00	16.50	5.38	16.50	3.40	16.50	4.01
0.60	18.00	0.00	18.00	2.83	18.00	1.23	18.00	1.72
0.65	19.50	0.00	19.50	0.00	19.50	0.00	19.50	0.00
0.70	21.00	0.00	21.00	0.00	21.00	0.00	21.00	0.00
0.75	22.50	0.00	22.50	0.00	22.50	0.00	22.50	0.00
0.80	24.00	0.00	24.00	0.00	24.00	0.00	24.00	0.00
0.85	25.50	0.00	25.50	0.00	25.50	0.00	25.50	0.00
0.90	27.00	6.93	27.00	10.46	27.00	9.23	27.00	9.60
0.95	28.50	14.36	28.50	17.91	28.50	16.58	28.50	16.99
1.00	30.00	---	30.00	---	30.00	---	30.00	---

XL	X	PT	X	PT	X	PT	X	PT
	ft	k	ft	k	ft	k	ft	k
	SPAN 9		SPAN 10		SPAN 11		SPAN 12	
0.00	0.00	---	0.00	---	0.00	---	0.00	---
0.05	1.50	13.25	1.50	18.06	1.50	16.49	1.50	16.97
0.10	3.00	4.99	3.00	10.91	3.00	9.06	3.00	9.62
0.15	4.50	0.00	4.50	0.00	4.50	0.00	4.50	0.00
0.20	6.00	0.00	6.00	0.00	6.00	0.00	6.00	0.00
0.25	7.50	0.00	7.50	0.00	7.50	0.00	7.50	0.00
0.30	9.00	0.00	9.00	0.00	9.00	0.00	9.00	0.00
0.35	10.50	0.55	10.50	0.00	10.50	0.00	10.50	0.00
0.40	12.00	4.33	12.00	0.77	12.00	1.86	12.00	1.52
0.45	13.50	6.09	13.50	3.19	13.50	4.08	13.50	3.81
0.50	15.00	6.40	15.00	4.00	15.00	4.74	15.00	4.51
0.55	16.50	5.38	16.50	3.40	16.50	4.01	16.50	3.83
0.60	18.00	2.83	18.00	1.23	18.00	1.72	18.00	1.57
0.65	19.50	0.00	19.50	0.00	19.50	0.00	19.50	0.00
0.70	21.00	0.00	21.00	0.00	21.00	0.00	21.00	0.00
0.75	22.50	0.00	22.50	0.00	22.50	0.00	22.50	0.00

0.80	24.00	0.00	24.00	0.00	24.00	0.00	24.00	0.00
0.85	25.50	0.00	25.50	0.00	25.50	0.00	25.50	0.00
0.90	27.00	10.46	27.00	9.23	27.00	9.60	27.00	9.49
0.95	28.50	17.91	28.50	16.58	28.50	16.99	28.50	16.86
1.00	30.00	---	30.00	---	30.00	---	30.00	---

XL	X	PT	X	PT	X	PT
	ft	k	ft	k	ft	k
	SPAN 13		SPAN 14		SPAN 15	
0.00	0.00	---	0.00	---	0.00	---
0.05	1.50	17.88	1.50	14.34	1.50	25.72
0.10	3.00	10.44	3.00	6.91	3.00	16.93
0.15	4.50	0.00	4.50	0.00	4.50	4.75
0.20	6.00	0.00	6.00	0.00	6.00	0.00
0.25	7.50	0.00	7.50	0.00	7.50	0.00
0.30	9.00	0.00	9.00	0.00	9.00	0.00
0.35	10.50	0.00	10.50	0.00	10.50	9.86
0.40	12.00	2.83	12.00	0.00	12.00	18.30
0.45	13.50	5.38	13.50	0.00	13.50	23.04
0.50	15.00	6.40	15.00	0.00	15.00	25.69
0.55	16.50	6.09	16.50	0.00	16.50	26.94
0.60	18.00	4.33	18.00	0.00	18.00	27.13
0.65	19.50	0.55	19.50	0.00	19.50	26.40
0.70	21.00	0.00	21.00	0.00	21.00	24.89
0.75	22.50	0.00	22.50	0.00	22.50	22.46
0.80	24.00	0.00	24.00	1.74	24.00	18.87
0.85	25.50	0.00	25.50	16.84	25.50	13.44
0.90	27.00	5.00	27.00	24.70	27.00	4.85
0.95	28.50	13.28	28.50	29.37	28.50	0.00
1.00	30.00	---	30.00	---	30.00	---

31 - DETAILED FRICTION AND LONGTERM STRESS LOSSES

TENDON_A

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 1				SPAN 2			
0.00	0.00	131.56	9.52	122.04	0.00	121.25	9.52	111.73
0.05	1.50	131.11	9.52	121.59	1.50	118.89	9.52	109.36
0.10	3.00	130.57	9.52	121.05	3.00	118.35	9.52	108.83
0.15	4.50	130.02	9.52	120.50	4.50	117.80	9.52	108.27
0.20	6.00	129.48	9.52	119.96	6.00	117.26	9.52	107.74
0.25	7.50	128.95	9.52	119.42	7.50	116.71	9.52	107.18
0.30	9.00	128.40	9.52	118.87	9.00	116.24	9.52	106.72
0.35	10.50	127.86	9.52	118.33	10.50	115.69	9.52	106.17
0.40	12.00	127.34	9.52	117.81	12.00	115.17	9.52	105.65
0.45	13.50	126.81	9.52	117.29	13.50	114.62	9.52	105.09
0.50	15.00	126.30	9.52	116.78	15.00	114.10	9.52	104.57
0.55	16.50	125.78	9.52	116.27	16.50	113.56	9.52	104.03
0.60	18.00	125.29	9.52	115.76	18.00	113.04	9.52	103.51
0.65	19.50	124.78	9.52	115.26	19.50	112.50	9.52	102.99
0.70	21.00	124.26	9.52	114.75	21.00	111.98	9.52	102.45
0.75	22.50	123.75	9.52	114.23	22.50	111.44	9.52	101.91
0.80	24.00	123.26	9.52	113.73	24.00	110.93	9.52	101.41
0.85	25.50	122.75	9.52	113.22	25.50	110.41	9.52	100.88

0.90	27.00	122.24	9.52	112.72	27.00	109.87	9.52	100.35
0.95	28.50	121.75	9.52	112.22	28.50	109.36	9.52	99.84
1.00	30.00	121.25	9.52	111.73	30.00	108.83	9.52	99.32

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 3				SPAN 4			
0.00	0.00	108.83	9.52	99.32	0.00	96.82	9.52	87.30
0.05	1.50	106.30	9.52	96.78	1.50	94.45	9.52	84.93
0.10	3.00	105.81	9.52	96.28	3.00	93.97	9.52	84.46
0.15	4.50	105.28	9.52	95.76	4.50	93.49	9.52	83.97
0.20	6.00	104.77	9.52	95.27	6.00	93.03	9.52	83.51
0.25	7.50	104.27	9.52	94.74	7.50	92.54	9.52	83.03
0.30	9.00	103.77	9.52	94.25	9.00	92.07	9.52	82.55
0.35	10.50	103.25	9.52	93.74	10.50	91.59	9.52	82.07
0.40	12.00	102.76	9.52	93.23	12.00	91.13	9.52	81.60
0.45	13.50	102.25	9.52	92.73	13.50	90.65	9.52	81.13
0.50	15.00	101.76	9.52	92.25	15.00	90.18	9.52	80.68
0.55	16.50	101.26	9.52	91.74	16.50	89.72	9.52	80.20
0.60	18.00	100.77	9.52	91.24	18.00	89.26	9.52	79.73
0.65	19.50	100.27	9.52	90.75	19.50	88.79	9.52	79.27
0.70	21.00	99.77	9.52	90.24	21.00	88.33	9.52	78.80
0.75	22.50	99.27	9.52	89.75	22.50	87.86	9.52	78.34
0.80	24.00	98.79	9.52	89.27	24.00	87.40	9.52	77.89
0.85	25.50	98.30	9.52	88.78	25.50	86.95	9.52	77.42
0.90	27.00	97.81	9.52	88.28	27.00	86.48	9.52	76.96
0.95	28.50	97.31	9.52	87.79	28.50	86.02	9.52	76.51
1.00	30.00	96.82	9.52	87.30	30.00	85.57	9.52	76.04

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 5				SPAN 6			
0.00	0.00	85.57	9.52	76.04	0.00	75.00	9.52	65.48
0.05	1.50	83.33	9.52	73.82	1.50	72.91	9.52	63.40
0.10	3.00	82.90	9.52	73.37	3.00	72.50	9.52	62.98
0.15	4.50	82.45	9.52	72.92	4.50	72.07	9.52	62.54
0.20	6.00	82.00	9.52	72.47	6.00	71.66	9.52	62.14
0.25	7.50	81.55	9.52	72.02	7.50	71.24	9.52	61.72
0.30	9.00	81.11	9.52	71.59	9.00	70.82	9.52	61.29
0.35	10.50	80.66	9.52	71.14	10.50	70.40	9.52	60.87
0.40	12.00	80.23	9.52	70.70	12.00	69.99	9.52	60.47
0.45	13.50	79.78	9.52	70.25	13.50	69.57	9.52	60.05
0.50	15.00	79.34	9.52	69.82	15.00	69.16	9.52	59.64
0.55	16.50	78.89	9.52	69.38	16.50	68.74	9.52	59.23
0.60	18.00	78.47	9.52	68.94	18.00	68.35	9.52	58.83
0.65	19.50	78.03	9.52	68.51	19.50	67.93	9.52	58.42
0.70	21.00	77.58	9.52	68.06	21.00	67.52	9.52	58.00
0.75	22.50	77.15	9.52	67.64	22.50	67.12	9.52	57.59
0.80	24.00	76.73	9.52	67.20	24.00	66.71	9.52	57.19
0.85	25.50	76.29	9.52	66.77	25.50	66.30	9.52	56.78
0.90	27.00	75.86	9.52	66.33	27.00	65.90	9.52	56.37
0.95	28.50	75.43	9.52	65.91	28.50	65.50	9.52	55.98
1.00	30.00	75.00	9.52	65.48	30.00	65.10	9.52	55.57

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 7				SPAN 8			
0.00	0.00	65.10	9.52	55.57	0.00	55.81	9.52	46.28
0.05	1.50	63.14	9.52	53.61	1.50	53.96	9.52	44.45
0.10	3.00	62.75	9.52	53.22	3.00	53.60	9.52	44.08
0.15	4.50	62.35	9.52	52.83	4.50	53.22	9.52	43.71
0.20	6.00	61.96	9.52	52.44	6.00	52.86	9.52	43.34
0.25	7.50	61.56	9.52	52.05	7.50	52.50	9.52	42.97
0.30	9.00	61.18	9.52	51.65	9.00	52.13	9.52	42.61
0.35	10.50	60.79	9.52	51.26	10.50	51.76	9.52	42.23
0.40	12.00	60.39	9.52	50.87	12.00	51.39	9.52	41.88
0.45	13.50	60.00	9.52	50.48	13.50	51.03	9.52	41.51
0.50	15.00	59.62	9.52	50.10	15.00	50.67	9.52	41.14
0.55	16.50	59.23	9.52	49.71	16.50	50.30	9.52	40.78
0.60	18.00	58.86	9.52	49.33	18.00	49.96	9.52	40.43
0.65	19.50	58.46	9.52	48.94	19.50	49.59	9.52	40.07
0.70	21.00	58.09	9.52	48.56	21.00	49.23	9.52	39.71
0.75	22.50	57.69	9.52	48.17	22.50	48.87	9.52	39.34
0.80	24.00	57.32	9.52	47.81	24.00	48.52	9.52	38.99
0.85	25.50	56.94	9.52	47.42	25.50	48.16	9.52	38.63
0.90	27.00	56.56	9.52	47.04	27.00	47.79	9.52	38.28
0.95	28.50	56.18	9.52	46.66	28.50	47.44	9.52	37.92
1.00	30.00	55.81	9.52	46.28	30.00	47.10	9.52	37.57

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 9				SPAN 10			
0.00	0.00	47.10	9.52	37.57	0.00	38.92	9.52	29.40
0.05	1.50	45.37	9.52	35.84	1.50	37.31	9.52	27.79
0.10	3.00	45.03	9.52	35.51	3.00	36.99	9.52	27.47
0.15	4.50	44.67	9.52	35.15	4.50	36.66	9.52	27.13
0.20	6.00	44.34	9.52	34.81	6.00	36.34	9.52	26.81
0.25	7.50	43.99	9.52	34.47	7.50	36.00	9.52	26.48
0.30	9.00	43.64	9.52	34.12	9.00	35.68	9.52	26.16
0.35	10.50	43.29	9.52	33.77	10.50	35.37	9.52	25.84
0.40	12.00	42.96	9.52	33.43	12.00	35.05	9.52	25.52
0.45	13.50	42.61	9.52	33.09	13.50	34.73	9.52	25.20
0.50	15.00	42.28	9.52	32.75	15.00	34.41	9.52	24.88
0.55	16.50	41.93	9.52	32.42	16.50	34.09	9.52	24.56
0.60	18.00	41.59	9.52	32.08	18.00	33.77	9.52	24.24
0.65	19.50	41.26	9.52	31.74	19.50	33.45	9.52	23.93
0.70	21.00	40.93	9.52	31.40	21.00	33.13	9.52	23.61
0.75	22.50	40.59	9.52	31.07	22.50	32.82	9.52	23.30
0.80	24.00	40.26	9.52	30.73	24.00	32.51	9.52	22.98
0.85	25.50	39.92	9.52	30.40	25.50	32.20	9.52	22.68
0.90	27.00	39.59	9.52	30.07	27.00	31.88	9.52	22.36
0.95	28.50	39.26	9.52	29.73	28.50	31.58	9.52	22.05
1.00	30.00	38.92	9.52	29.40	30.00	31.26	9.52	21.73

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 11				SPAN 12			

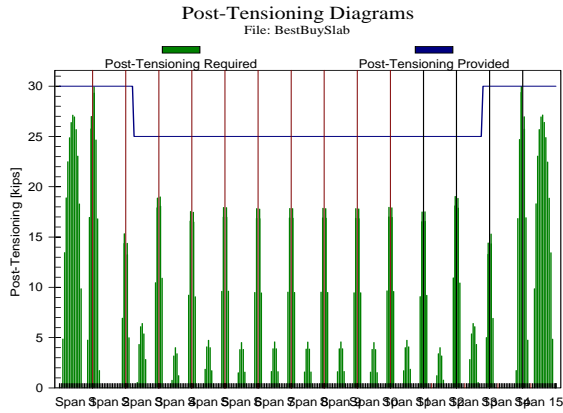
0.00	0.00	31.26	9.52	21.73	0.00	24.07	9.52	14.55
0.05	1.50	29.75	9.52	20.22	1.50	22.65	9.52	13.13
0.10	3.00	29.44	9.52	19.92	3.00	22.37	9.52	12.85
0.15	4.50	29.14	9.52	19.61	4.50	22.08	9.52	12.55
0.20	6.00	28.83	9.52	19.31	6.00	21.79	9.52	12.27
0.25	7.50	28.53	9.52	19.00	7.50	21.50	9.52	11.99
0.30	9.00	28.22	9.52	18.70	9.00	21.22	9.52	11.71
0.35	10.50	27.92	9.52	18.39	10.50	20.93	9.52	11.42
0.40	12.00	27.63	9.52	18.10	12.00	20.66	9.52	11.14
0.45	13.50	27.32	9.52	17.80	13.50	20.38	9.52	10.85
0.50	15.00	27.02	9.52	17.51	15.00	20.09	9.52	10.58
0.55	16.50	26.73	9.52	17.20	16.50	19.82	9.52	10.29
0.60	18.00	26.42	9.52	16.90	18.00	19.54	9.52	10.02
0.65	19.50	26.13	9.52	16.61	19.50	19.27	9.52	9.74
0.70	21.00	25.83	9.52	16.30	21.00	18.97	9.52	9.46
0.75	22.50	25.54	9.52	16.01	22.50	18.70	9.52	9.18
0.80	24.00	25.25	9.52	15.72	24.00	18.44	9.52	8.91
0.85	25.50	24.96	9.52	15.43	25.50	18.16	9.52	8.63
0.90	27.00	24.65	9.52	15.13	27.00	17.87	9.52	8.35
0.95	28.50	24.36	9.52	14.84	28.50	17.61	9.52	8.08
1.00	30.00	24.07	9.52	14.55	30.00	17.33	9.52	7.81

XL	X	Initial Stress	Longterm Loss	Final Stress	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi	ft	ksi	ksi	ksi
	SPAN 13				SPAN 14			
0.00	0.00	17.33	9.52	7.81	0.00	11.01	9.52	1.49
0.05	1.50	16.00	9.52	6.48	1.50	9.76	9.52	0.24
0.10	3.00	15.74	9.52	6.21	3.00	9.51	9.52	0.00
0.15	4.50	15.46	9.52	5.94	4.50	9.26	9.52	0.00
0.20	6.00	15.20	9.52	5.68	6.00	9.01	9.52	0.00
0.25	7.50	14.92	9.52	5.40	7.50	8.75	9.52	0.00
0.30	9.00	14.66	9.52	5.14	9.00	8.51	9.52	0.00
0.35	10.50	14.39	9.52	4.87	10.50	8.25	9.52	0.00
0.40	12.00	14.13	9.52	4.61	12.00	8.01	9.52	0.00
0.45	13.50	13.87	9.52	4.34	13.50	7.76	9.52	0.00
0.50	15.00	13.61	9.52	4.08	15.00	7.52	9.52	0.00
0.55	16.50	13.34	9.52	3.82	16.50	7.27	9.52	0.00
0.60	18.00	13.08	9.52	3.56	18.00	7.03	9.52	0.00
0.65	19.50	12.82	9.52	3.30	19.50	6.78	9.52	0.00
0.70	21.00	12.56	9.52	3.03	21.00	6.53	9.52	0.00
0.75	22.50	12.30	9.52	2.77	22.50	6.29	9.52	0.00
0.80	24.00	12.04	9.52	2.52	24.00	6.05	9.52	0.00
0.85	25.50	11.78	9.52	2.26	25.50	5.81	9.52	0.00
0.90	27.00	11.52	9.52	2.00	27.00	5.56	9.52	0.00
0.95	28.50	11.27	9.52	1.75	28.50	5.32	9.52	0.00
1.00	30.00	11.01	9.52	1.49	30.00	5.08	9.52	0.00

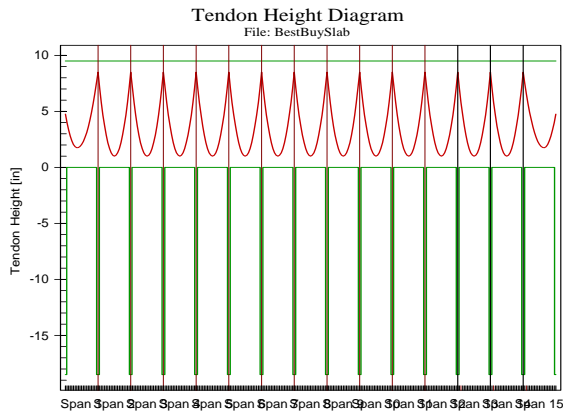
XL	X	Initial Stress	Longterm Loss	Final Stress
	ft	ksi	ksi	ksi
	SPAN 15			
0.00	0.00	5.08	9.52	0.00
0.05	1.50	4.05	9.52	0.00
0.10	3.00	3.83	9.52	0.00
0.15	4.50	3.62	9.52	0.00
0.20	6.00	3.40	9.52	0.00
0.25	7.50	3.19	9.52	0.00

Project Name: Specific Title:
File Name: BestBuySlab Date of Generation: Monday, April 06, 2009

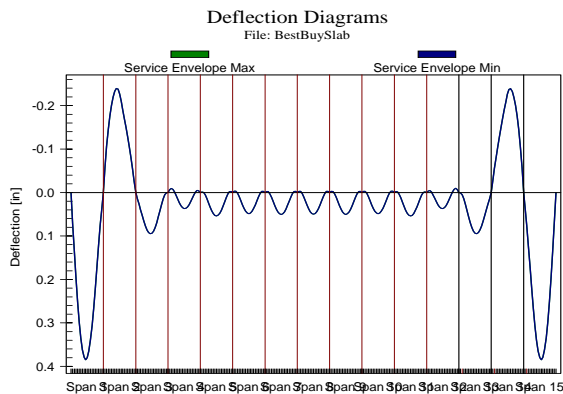
0.30	9.00	2.98	9.52	0.00
0.35	10.50	2.77	9.52	0.00
0.40	12.00	2.56	9.52	0.00
0.45	13.50	2.35	9.52	0.00
0.50	15.00	2.14	9.52	0.00
0.55	16.50	1.93	9.52	0.00
0.60	18.00	1.72	9.52	0.00
0.65	19.50	1.51	9.52	0.00
0.70	21.00	1.29	9.52	0.00
0.75	22.50	1.08	9.52	0.00
0.80	24.00	0.86	9.52	0.00
0.85	25.50	0.65	9.52	0.00
0.90	27.00	0.43	9.52	0.00
0.95	28.50	0.21	9.52	0.00
1.00	30.00	0.00	9.52	0.00



**POST-TENSIONING
 REQUIRED AND PROVIDED**

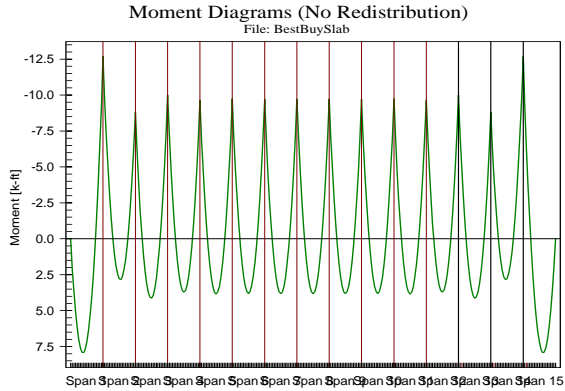


**POST-TENSIONING
 PROFILE**

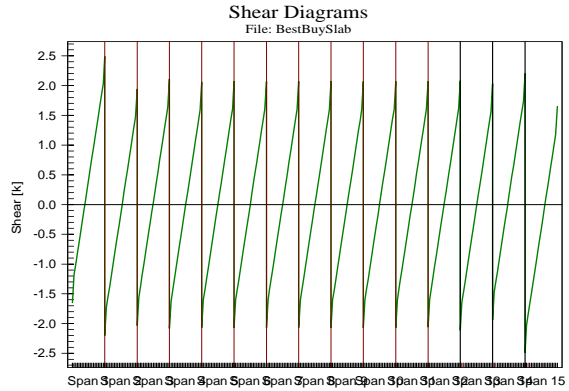


DEFLECTION

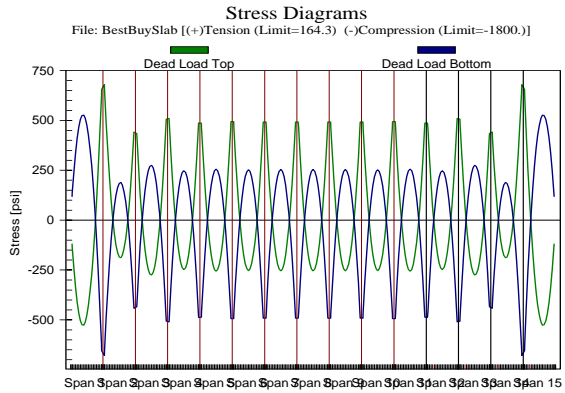
LOAD CASE: Selfweight



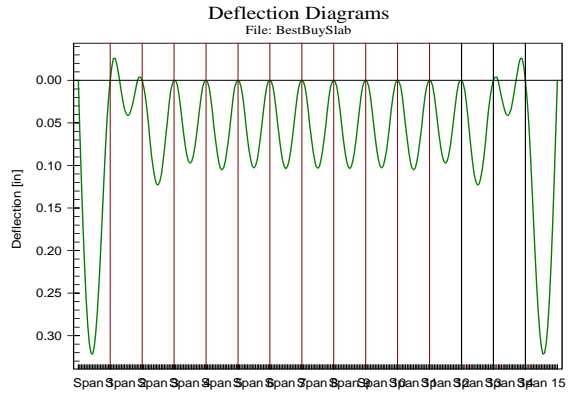
MOMENT



SHEAR

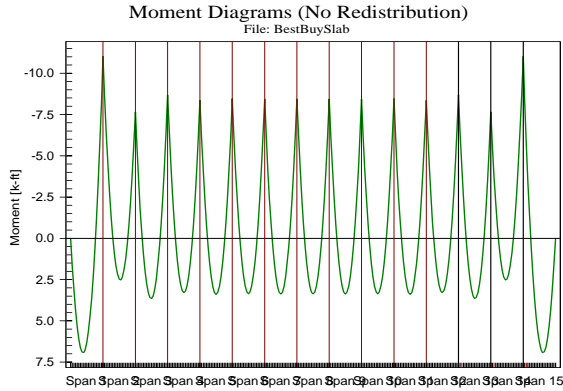


STRESS

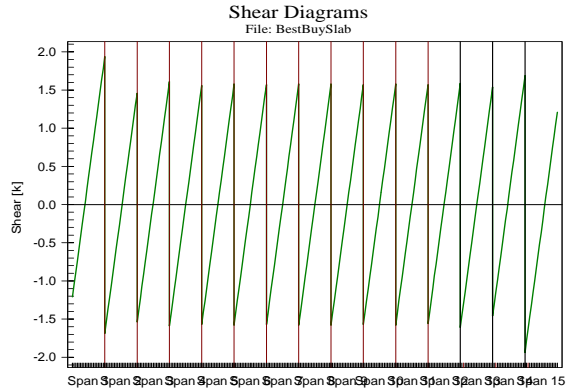


DEFLECTION

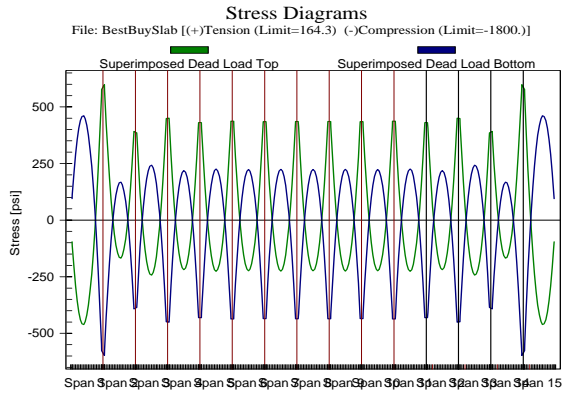
LOAD CASE: Super Imposed Dead Load



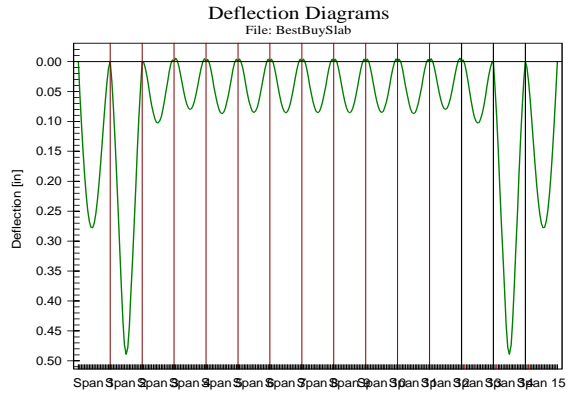
MOMENT



SHEAR

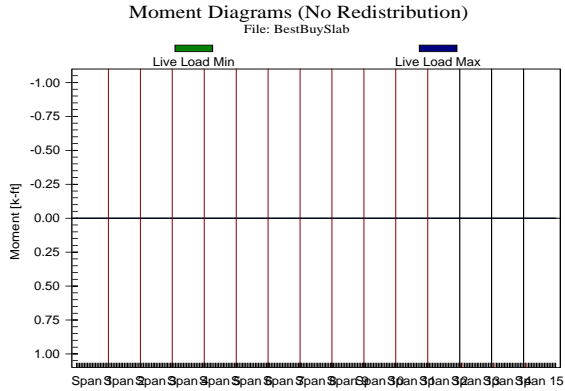


STRESS

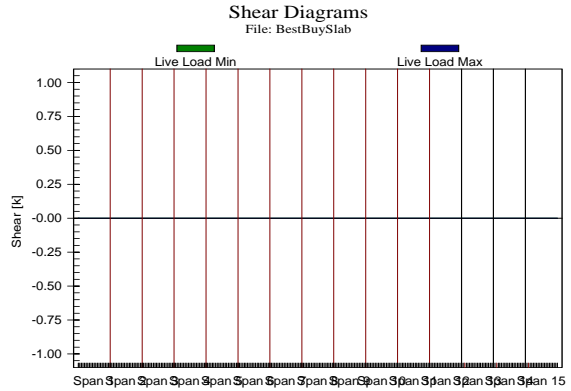


DEFLECTION

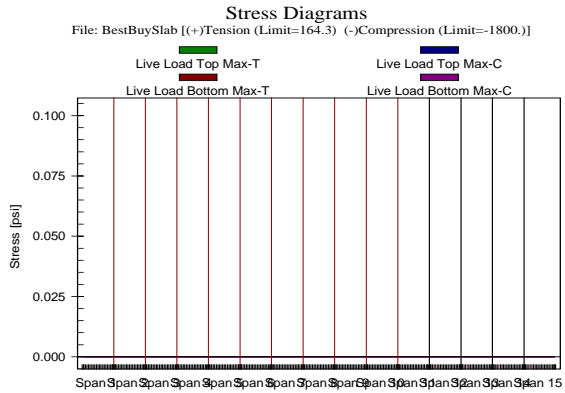
LOAD CASE: Live Load



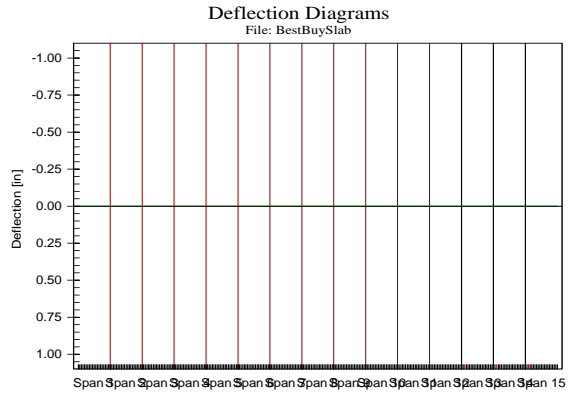
MOMENT



SHEAR

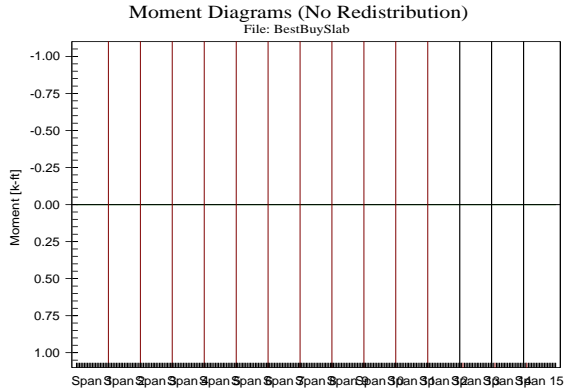


STRESS

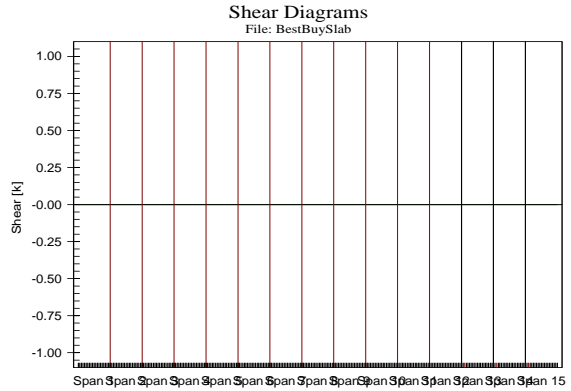


DEFLECTION

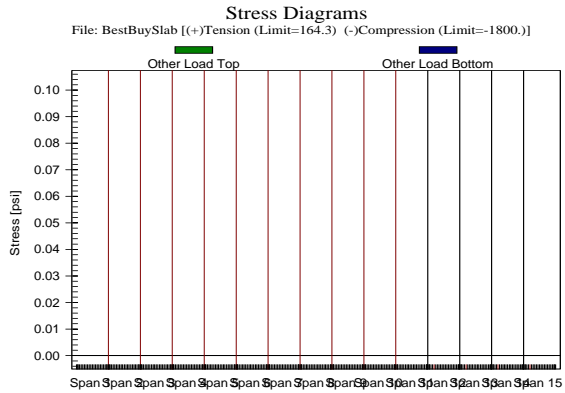
LOAD CASE: Other Load



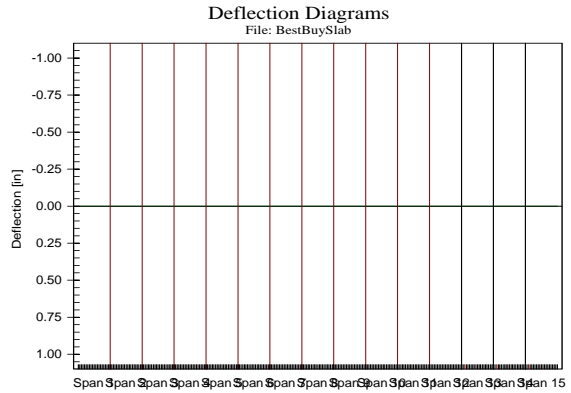
MOMENT



SHEAR

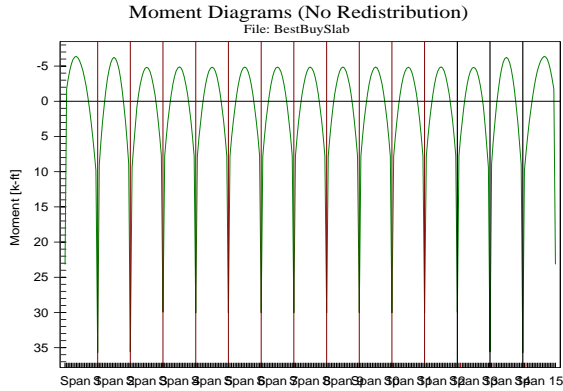


STRESS

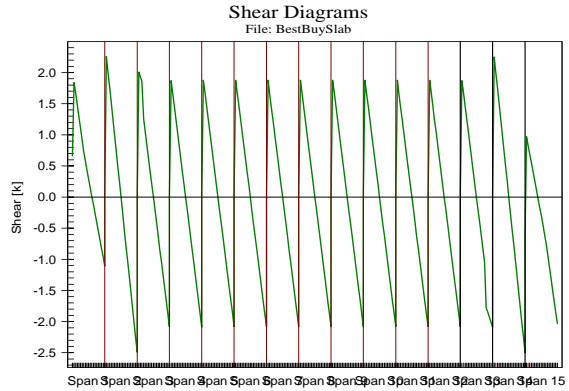


DEFLECTION

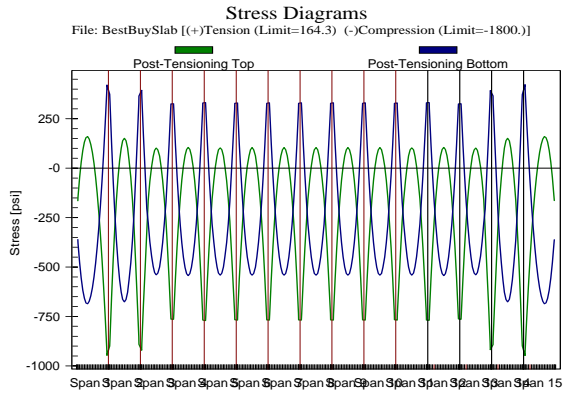
LOAD CASE: Prestressing Load



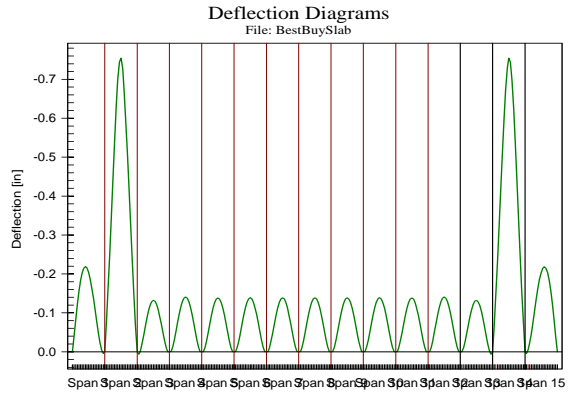
MOMENT



SHEAR

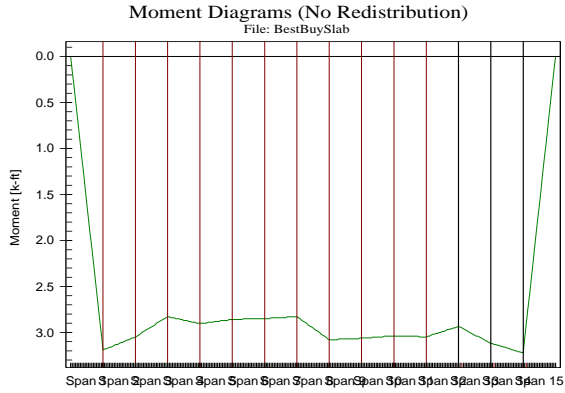


STRESS

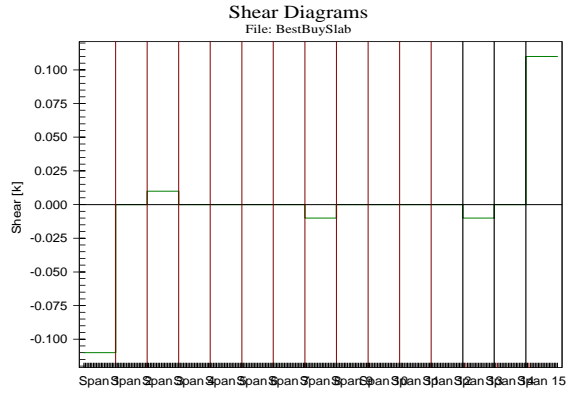


DEFLECTION

LOAD CASE: Hyper Static Load



MOMENT

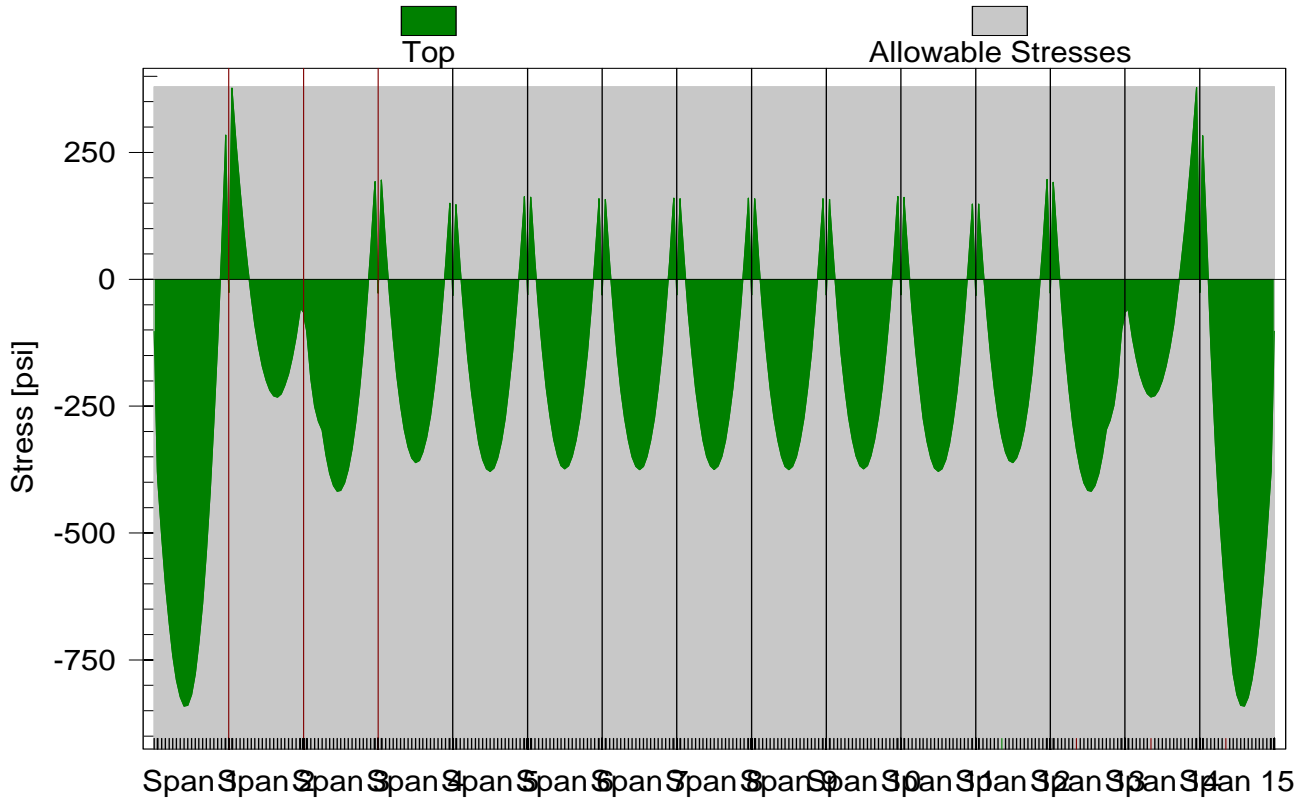


SHEAR

LOAD COMBINATION: SERVICE_1_Min_LL

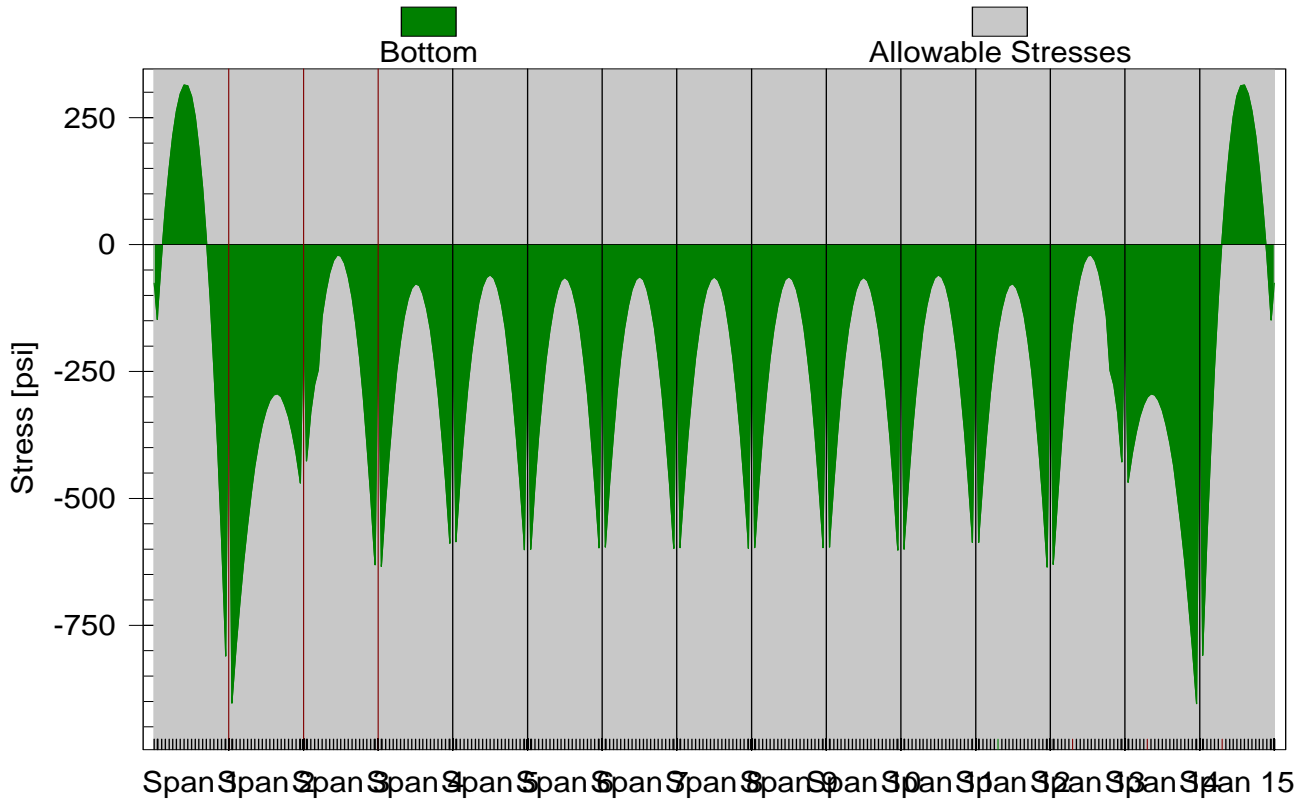
Stress Diagrams

Project: "" / Load Case: SERVICE_1_Min_LL
+1.00 SW +0.30 LL_Min +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

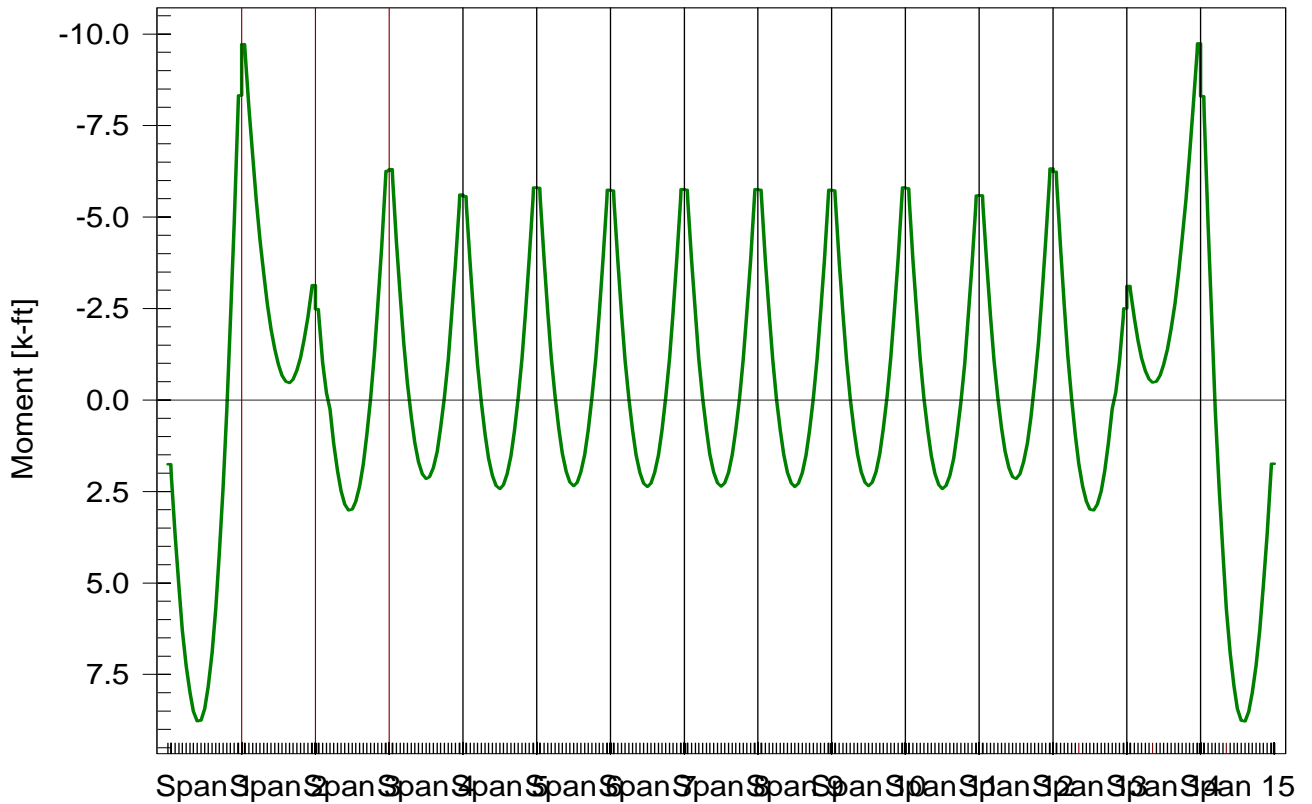
Project: "" / Load Case: SERVICE_1_Min_LL
 +1.00 SW +0.30 LL_Min +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
 Tensile Stress Positive



SERVICE COMBINATION STRESSES
 (Tension stress positive)

Moment Diagrams

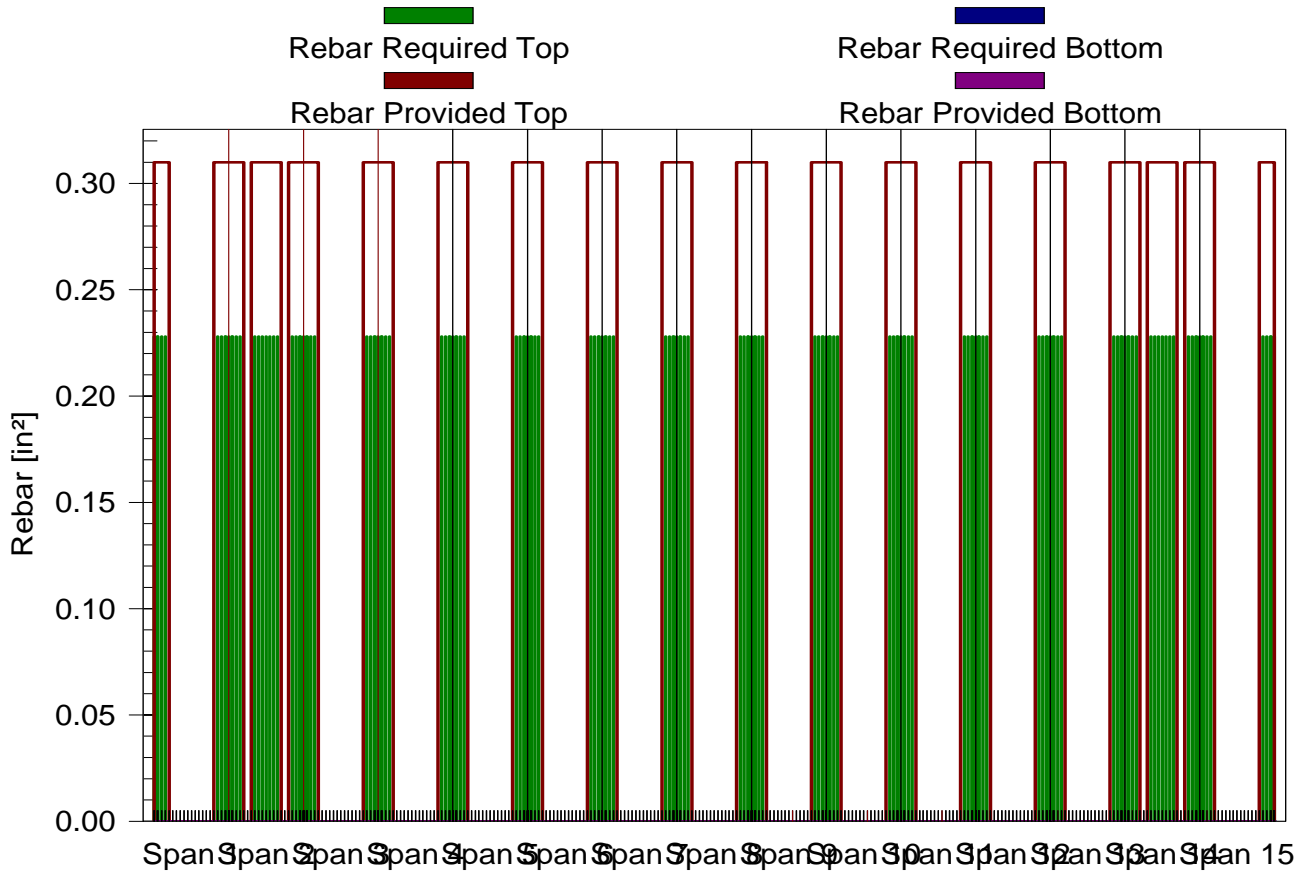
Project: "" / Load Case: SERVICE_1_Min_LL
+1.00 SW +0.30 LL_Min +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: SERVICE_1_Min_LL
 +1.00 SW +0.30 LL_Min +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT

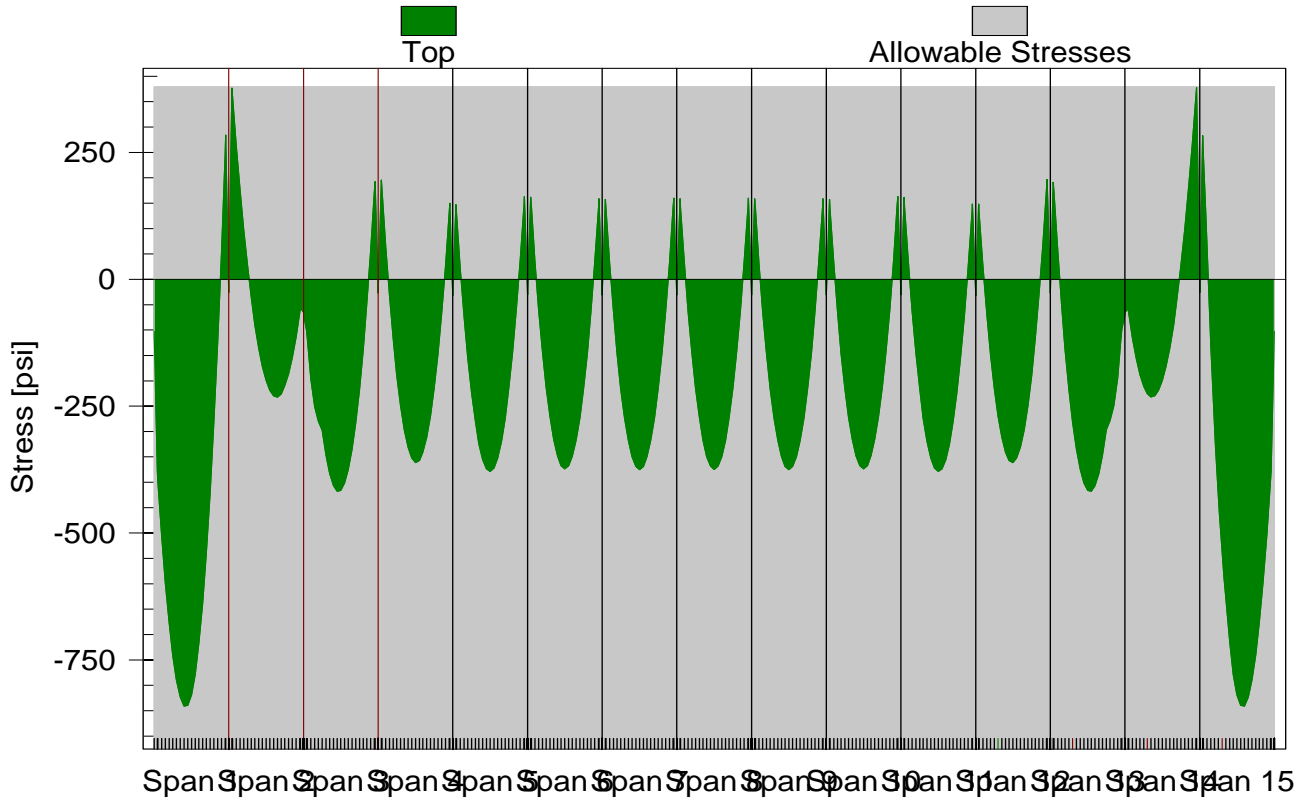


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: SERVICE_1_Max_LL

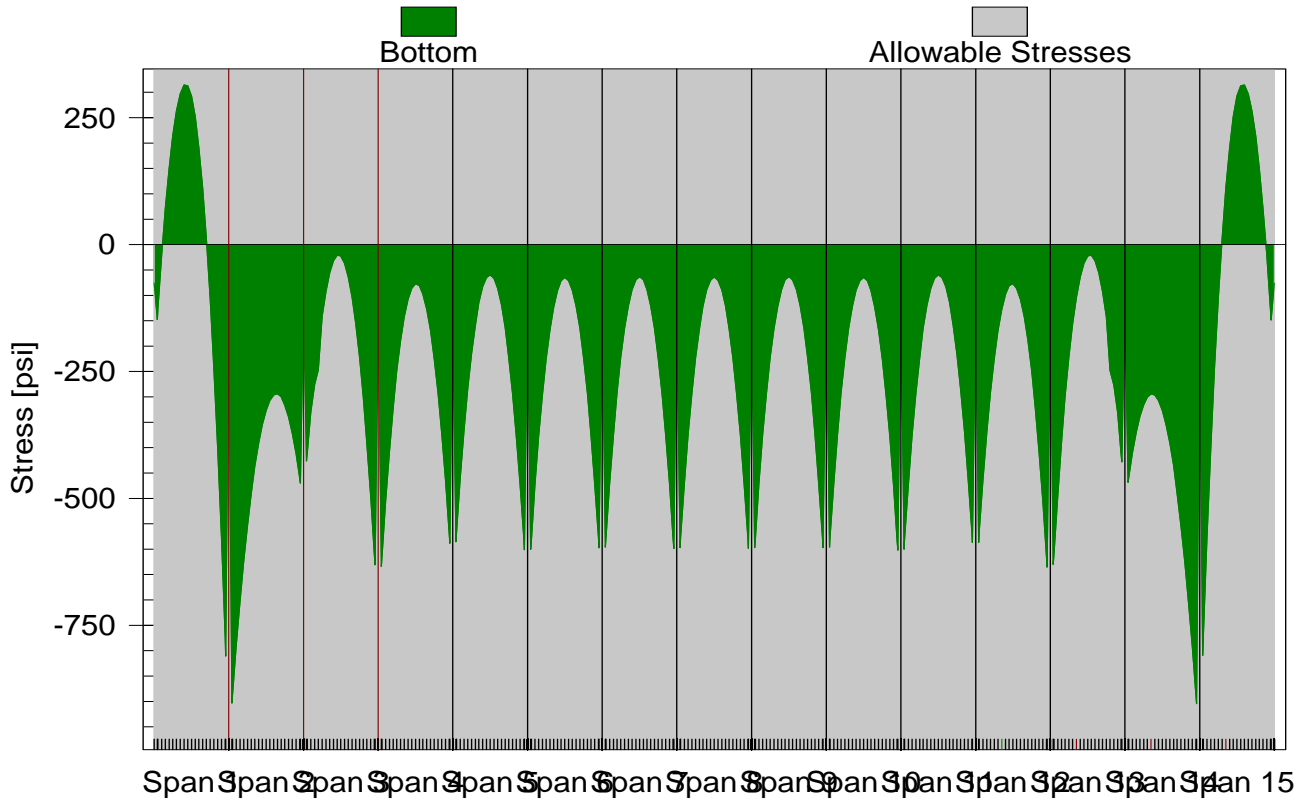
Stress Diagrams

Project: "" / Load Case: SERVICE_1_Max_LL
+1.00 SW +0.30 LL_Max +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

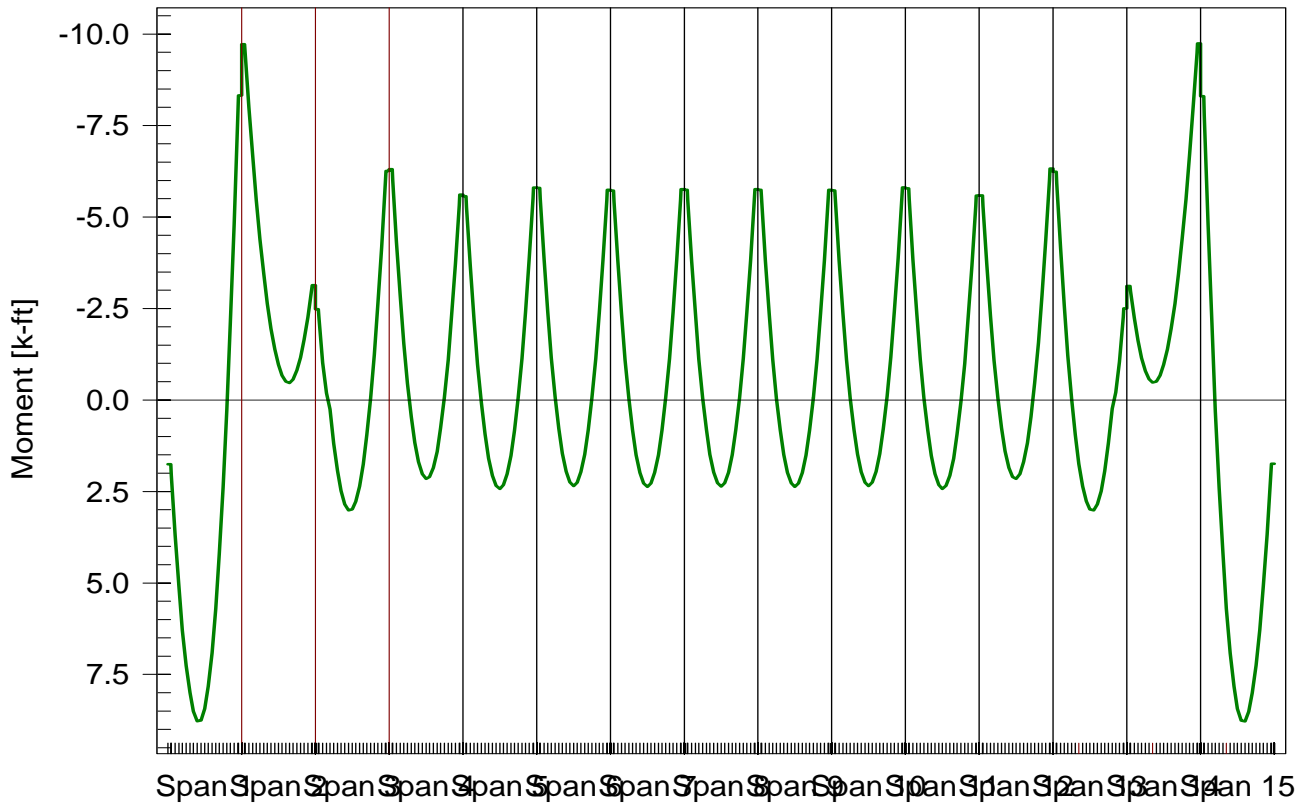
Project: "" / Load Case: SERVICE_1_Max_LL
 +1.00 SW +0.30 LL_Max +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
 Tensile Stress Positive



SERVICE COMBINATION STRESSES
 (Tension stress positive)

Moment Diagrams

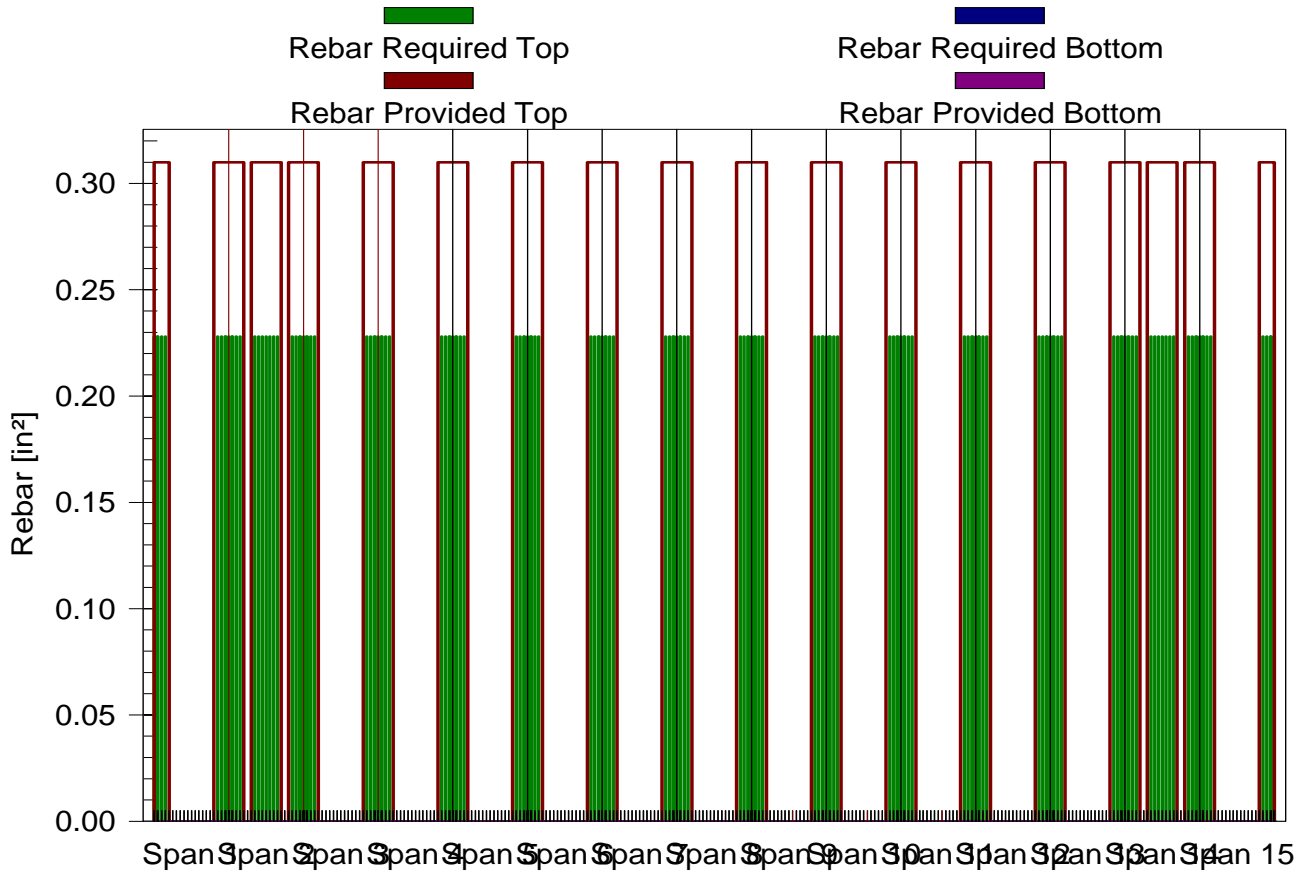
Project: "" / Load Case: SERVICE_1_Max_LL
+1.00 SW +0.30 LL_Max +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: SERVICE_1_Max_LL
 +1.00 SW +0.30 LL_Max +1.00 SDL +0.30 XL +1.00 PT +0.00 HYP +0.00 LAT

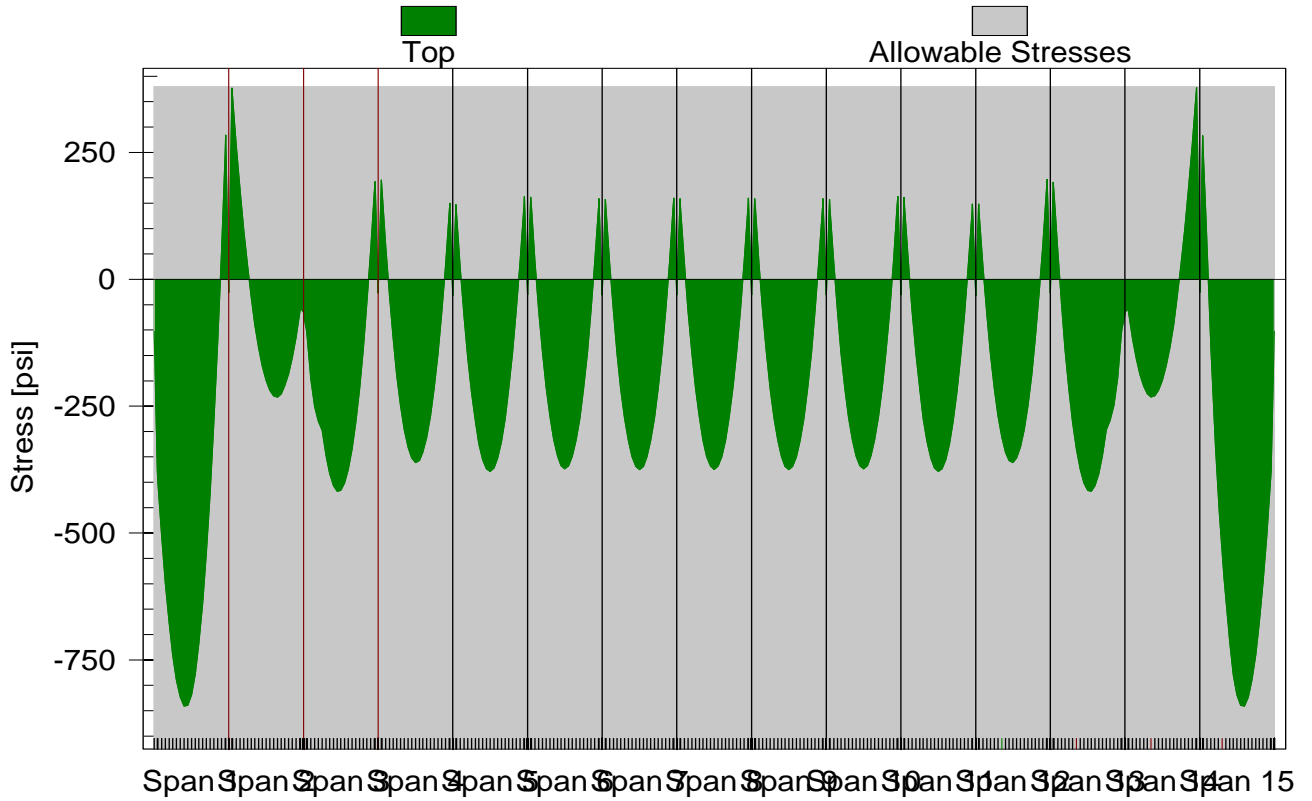


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: SERVICE_2_Min_LL

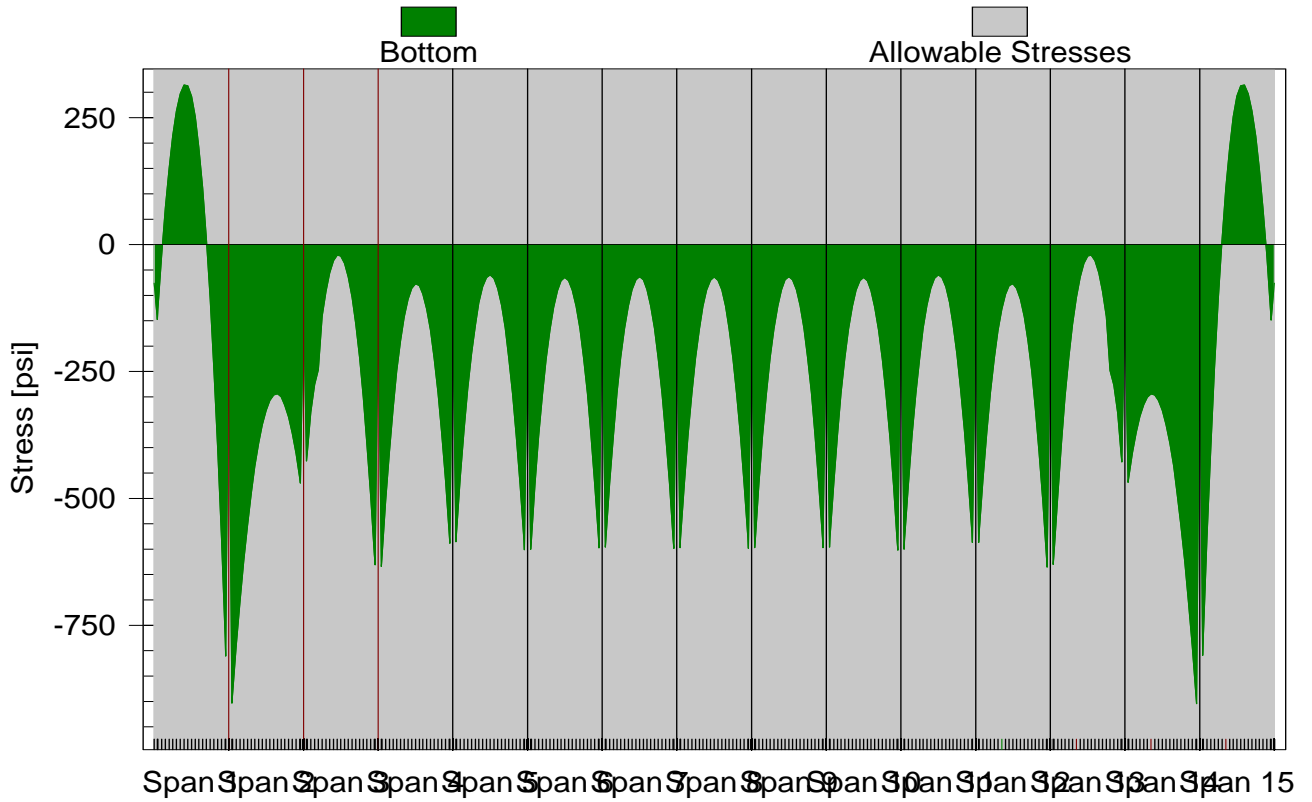
Stress Diagrams

Project: "" / Load Case: SERVICE_2_Min_LL
+1.00 SW +1.00 LL_Min +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

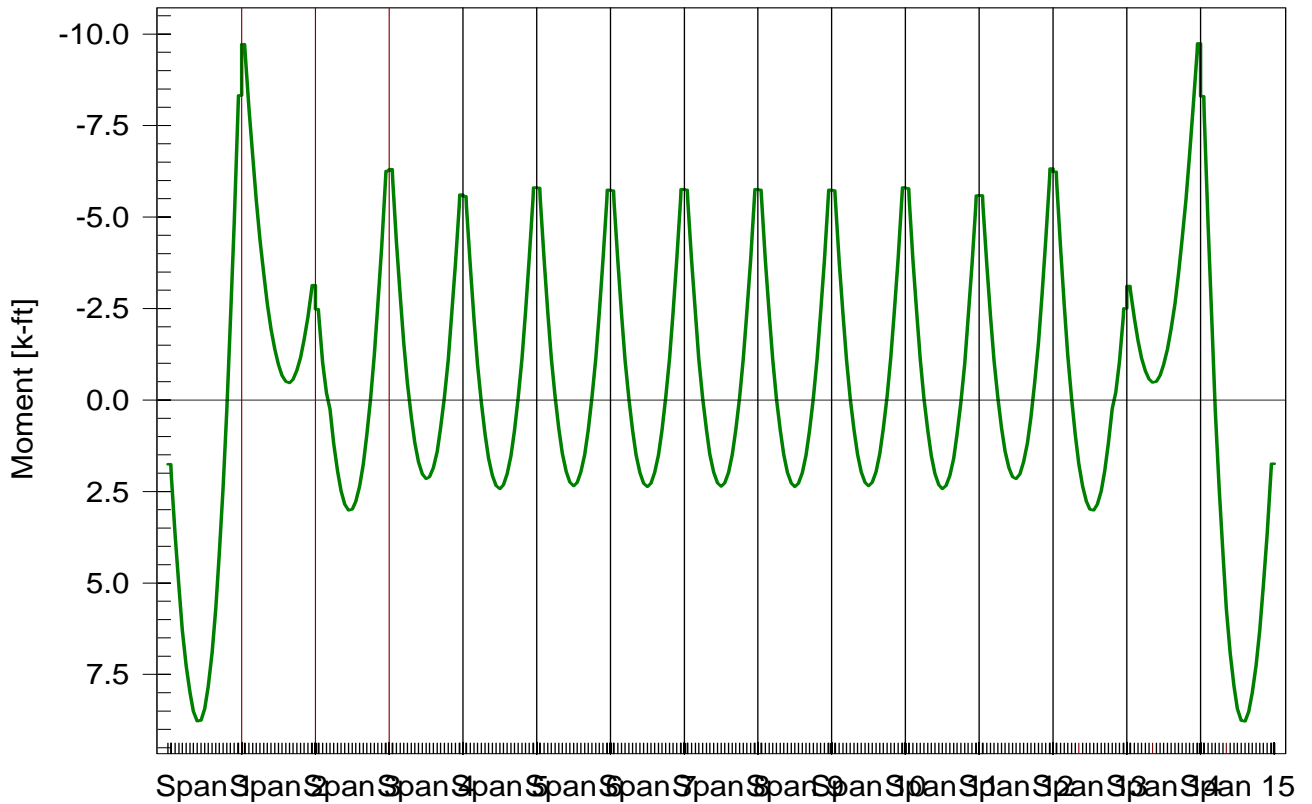
Project: "" / Load Case: SERVICE_2_Min_LL
+1.00 SW +1.00 LL_Min +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



SERVICE COMBINATION STRESSES
(Tension stress positive)

Moment Diagrams

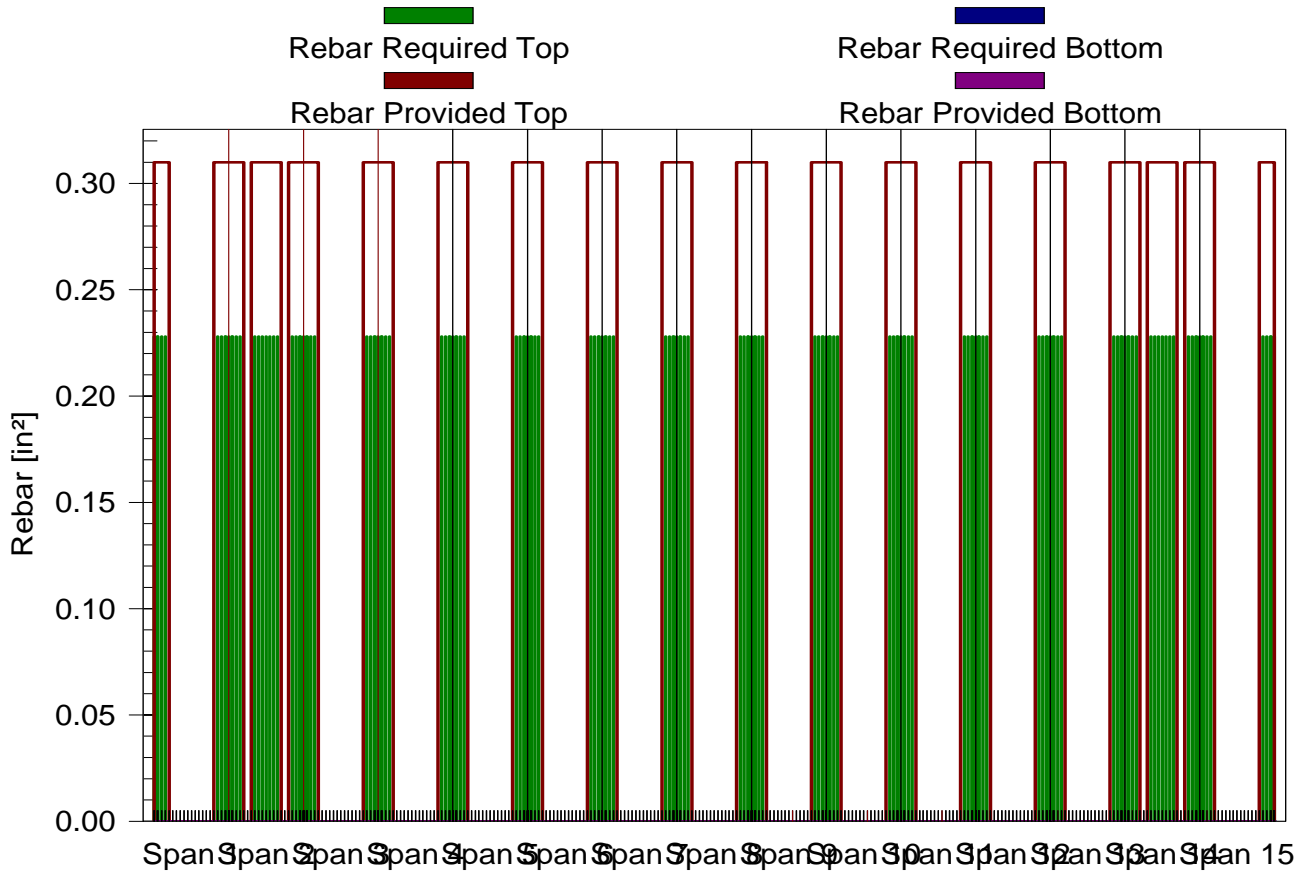
Project: "" / Load Case: SERVICE_2_Min_LL
+1.00 SW +1.00 LL_Min +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: SERVICE_2_Min_LL
 +1.00 SW +1.00 LL_Min +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT

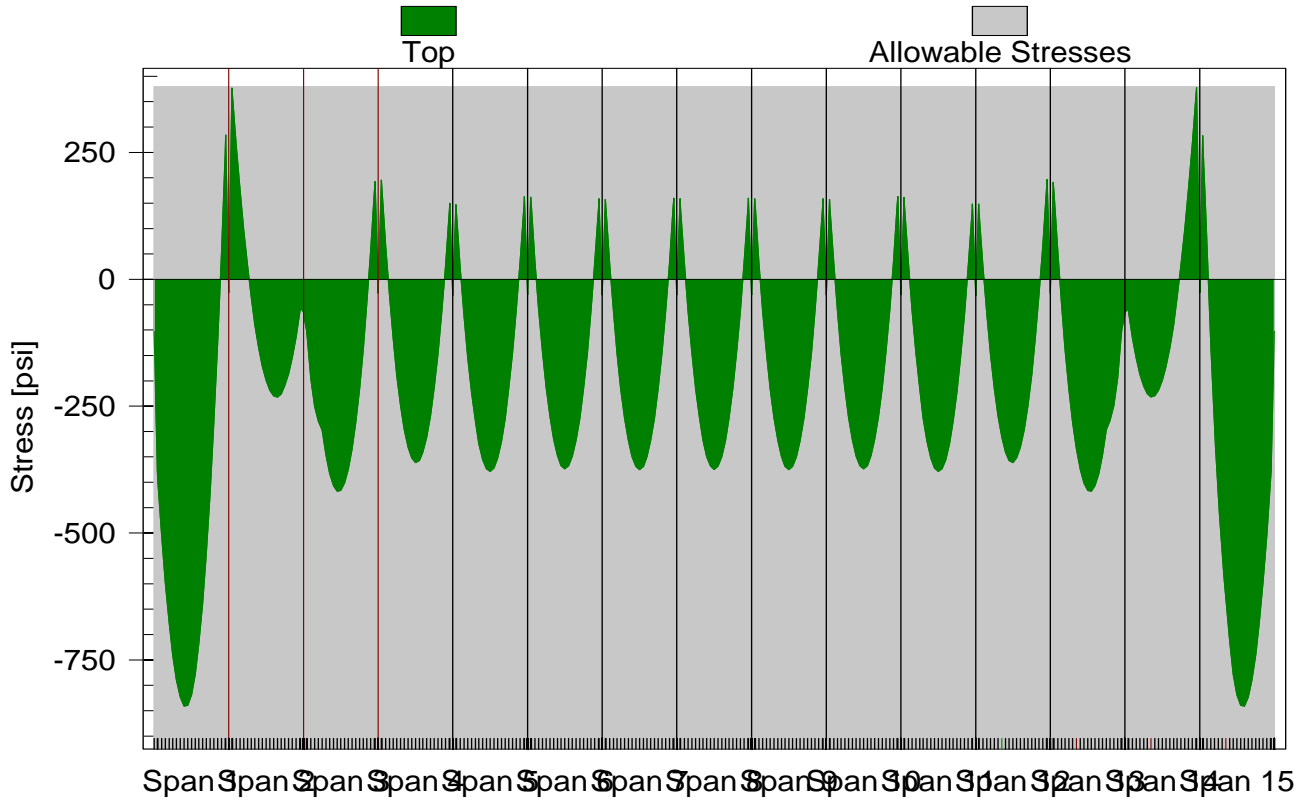


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: SERVICE_2_Max_LL

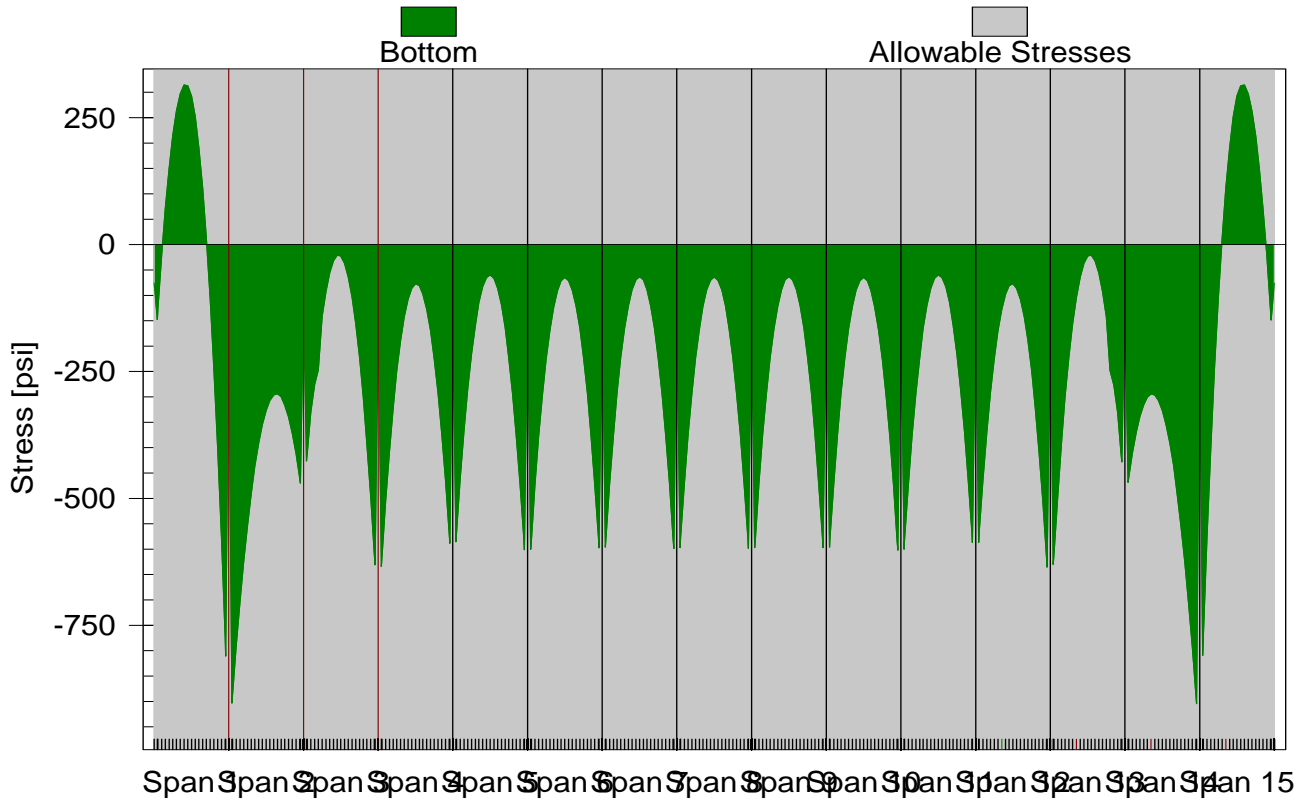
Stress Diagrams

Project: "" / Load Case: SERVICE_2_Max_LL
+1.00 SW +1.00 LL_Max +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

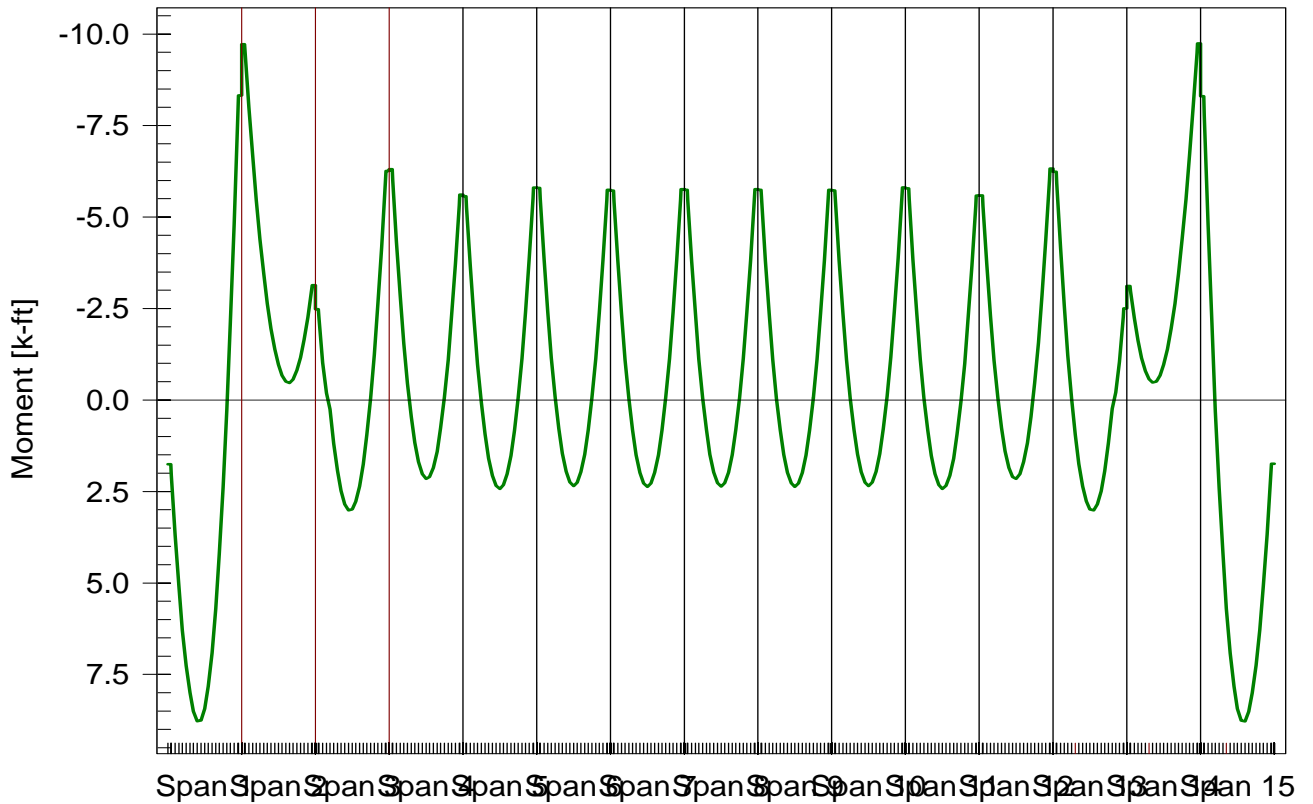
Project: "" / Load Case: SERVICE_2_Max_LL
+1.00 SW +1.00 LL_Max +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



SERVICE COMBINATION STRESSES
(Tension stress positive)

Moment Diagrams

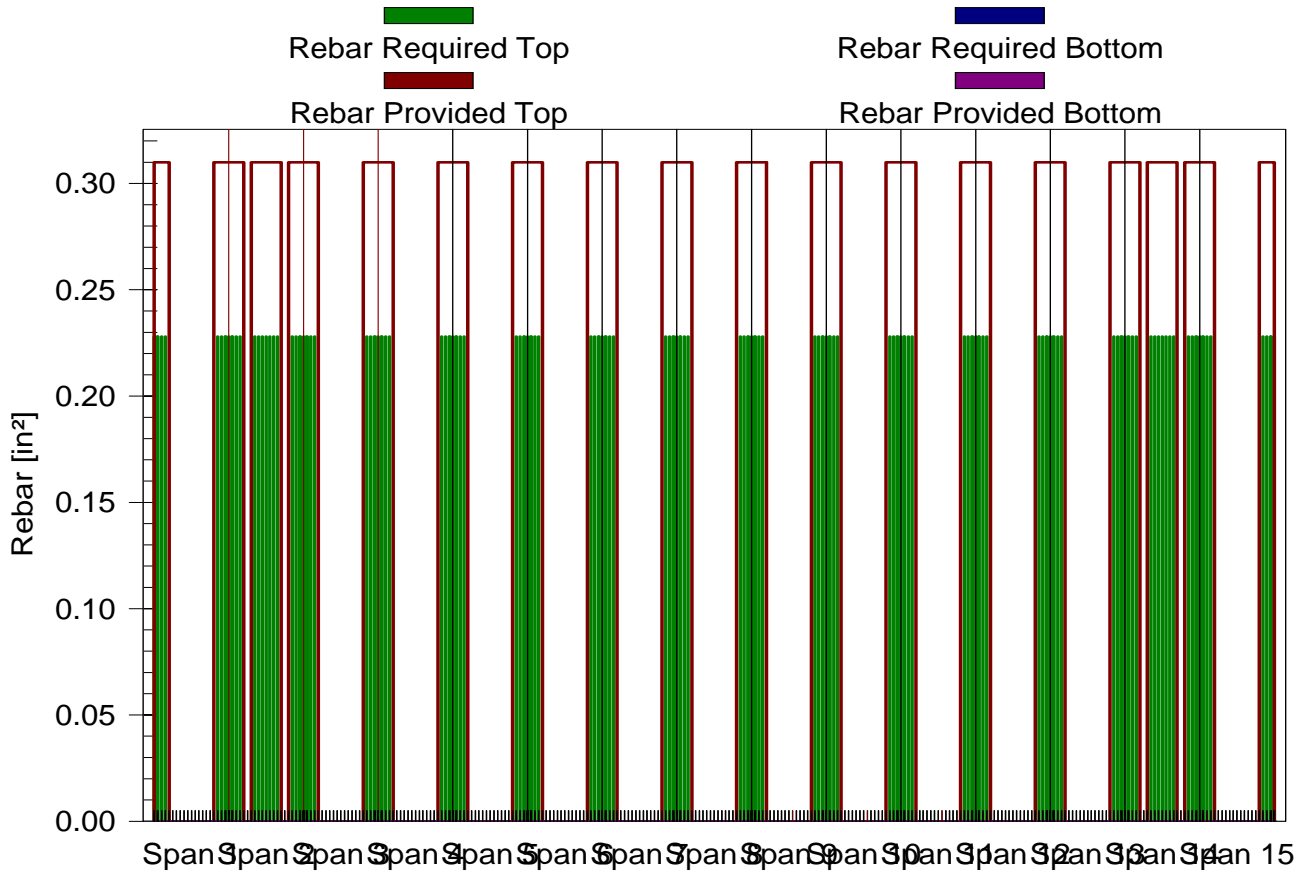
Project: "" / Load Case: SERVICE_2_Max_LL
+1.00 SW +1.00 LL_Max +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: SERVICE_2_Max_LL
 +1.00 SW +1.00 LL_Max +1.00 SDL +1.00 XL +1.00 PT +0.00 HYP +0.00 LAT

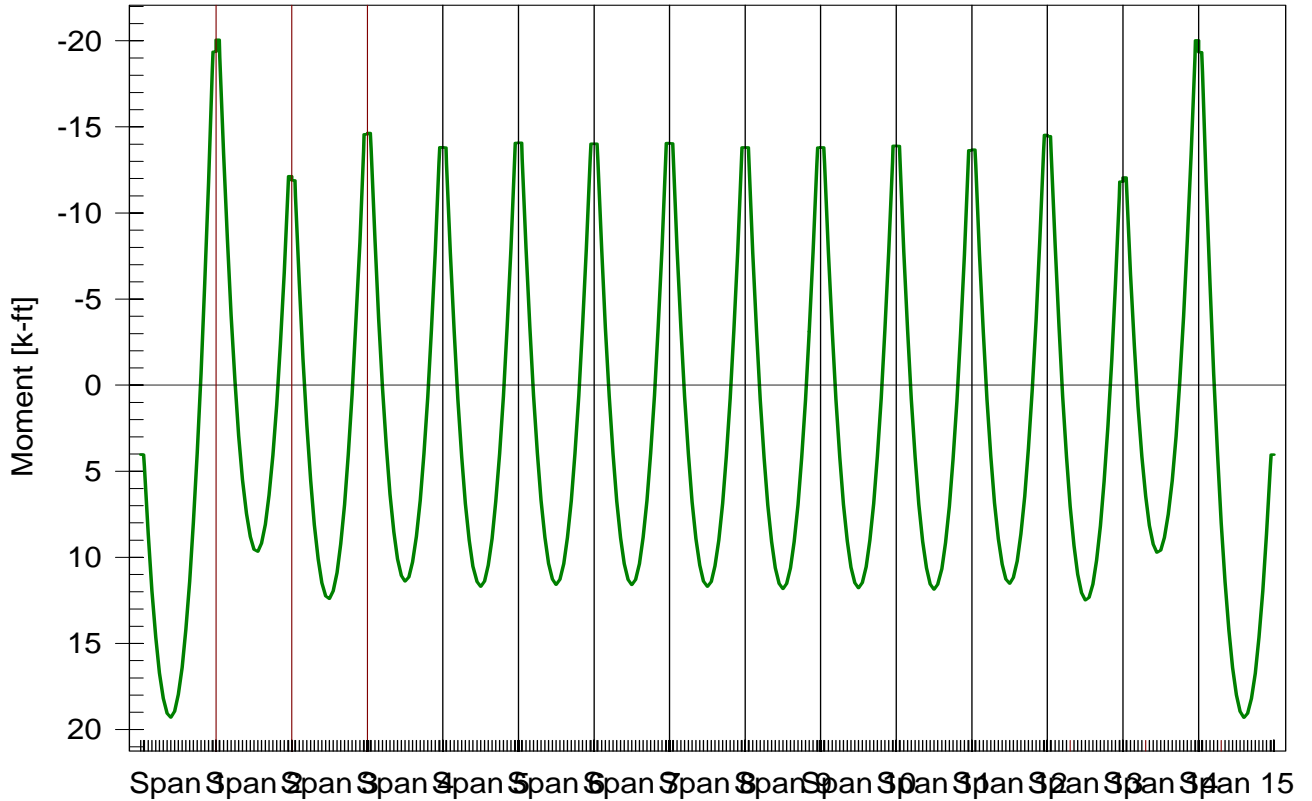


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: STRENGTH_1_Min_LL

Moment Diagrams

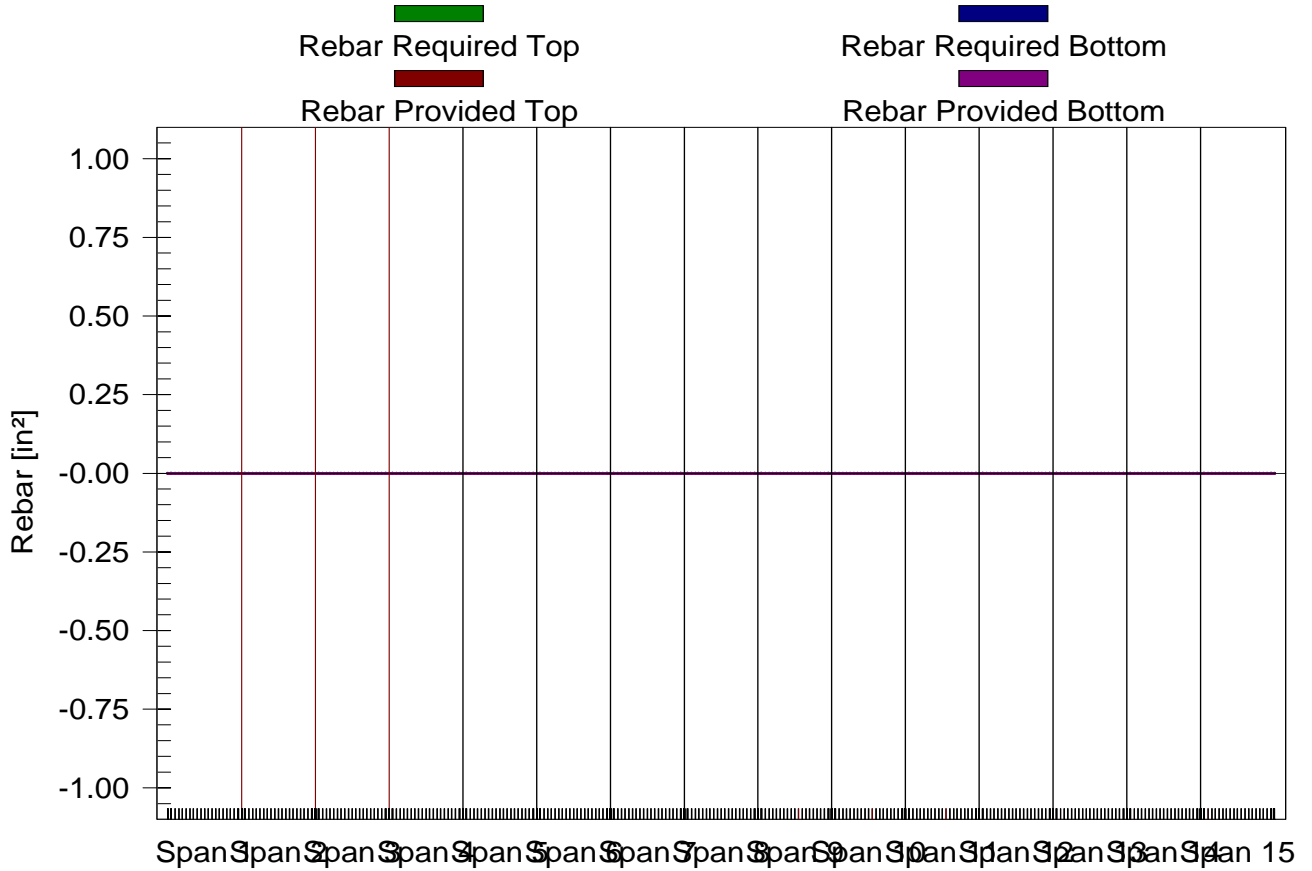
Project: "" / Load Case: STRENGTH_1_Min_LL
+1.20 SW +1.60 LL_Min +1.20 SDL +1.60 XL +0.00 PT +1.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: STRENGTH_1_Min_LL
 +1.20 SW +1.60 LL_Min +1.20 SDL +1.60 XL +0.00 PT +1.00 HYP +0.00 LAT

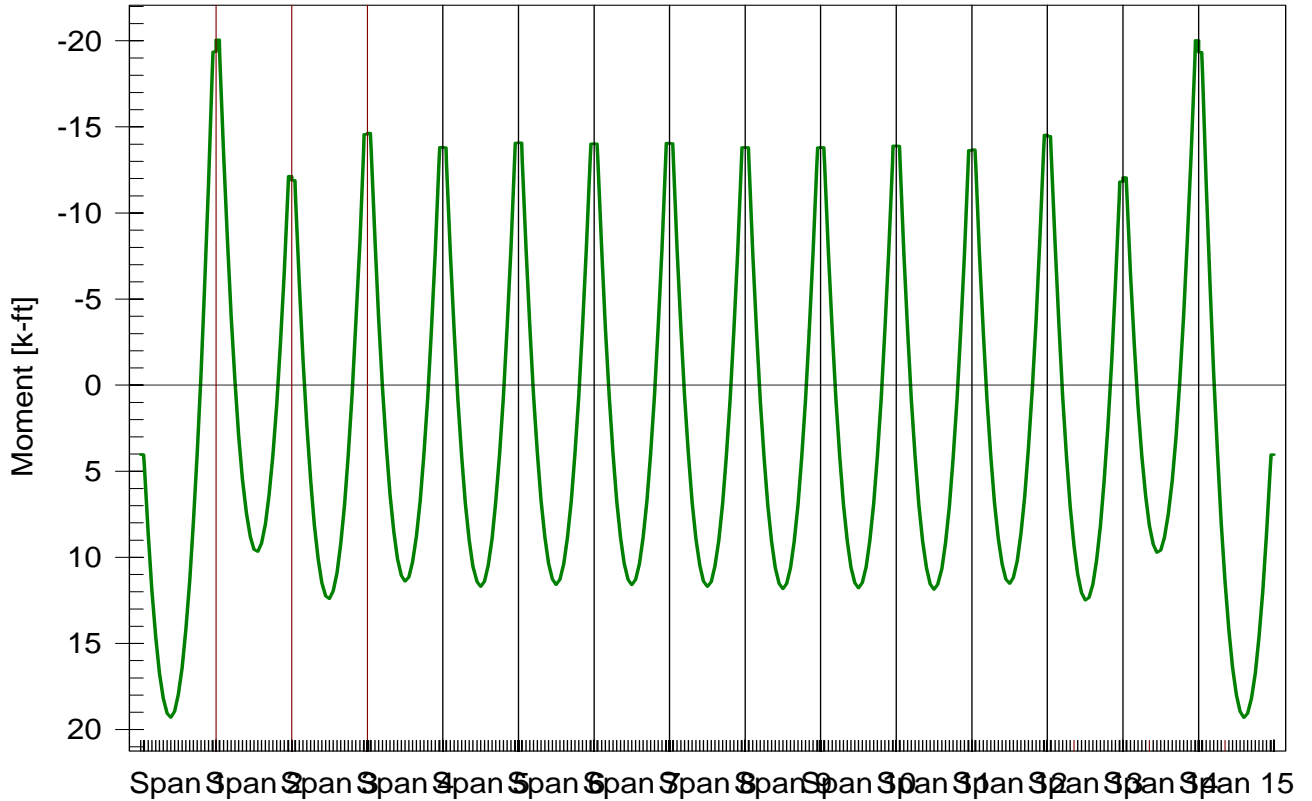


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: STRENGTH_1_Max_LL

Moment Diagrams

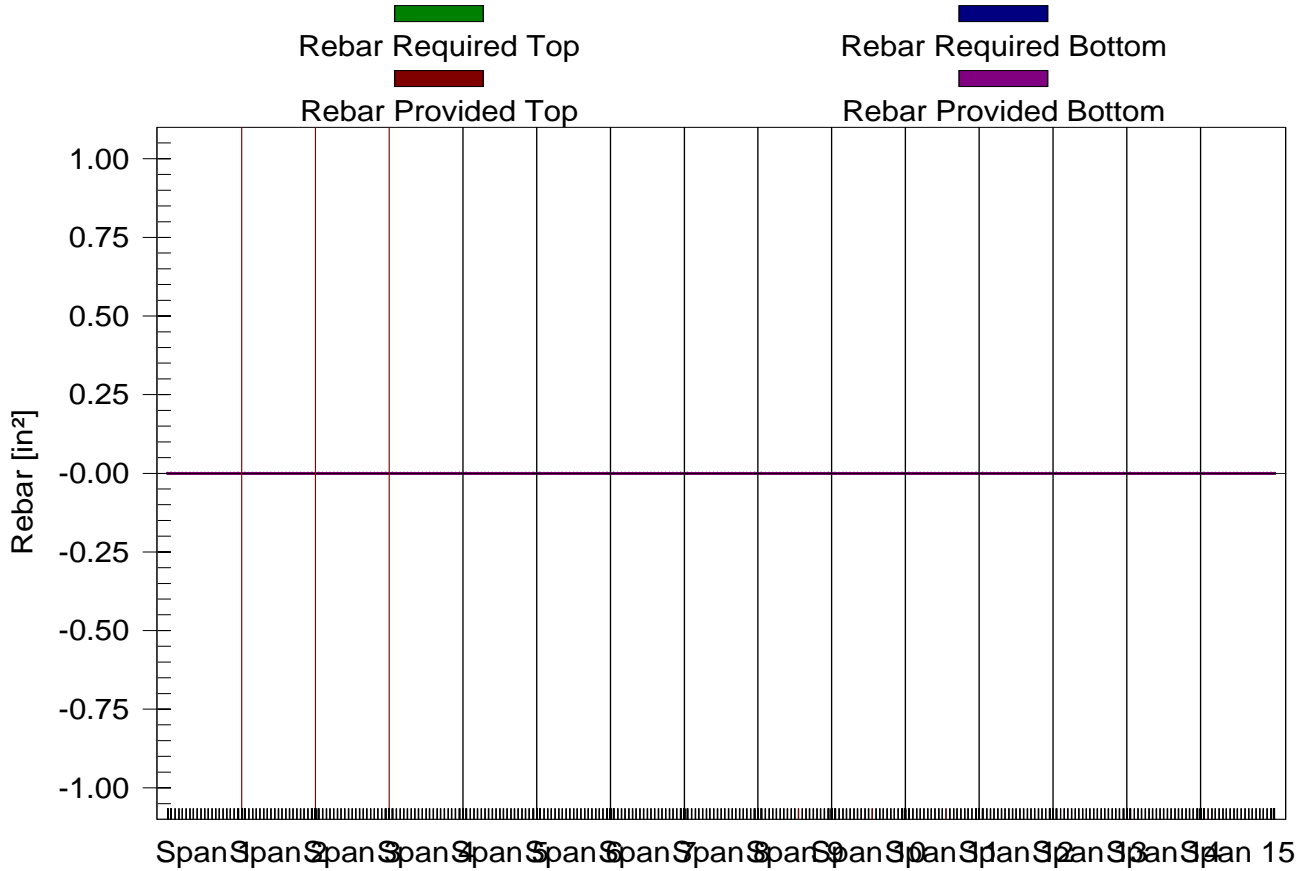
Project: "" / Load Case: STRENGTH_1_Max_LL
+1.20 SW +1.60 LL_Max +1.20 SDL +1.60 XL +0.00 PT +1.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: STRENGTH_1_Max_LL
 +1.20 SW +1.60 LL_Max +1.20 SDL +1.60 XL +0.00 PT +1.00 HYP +0.00 LAT

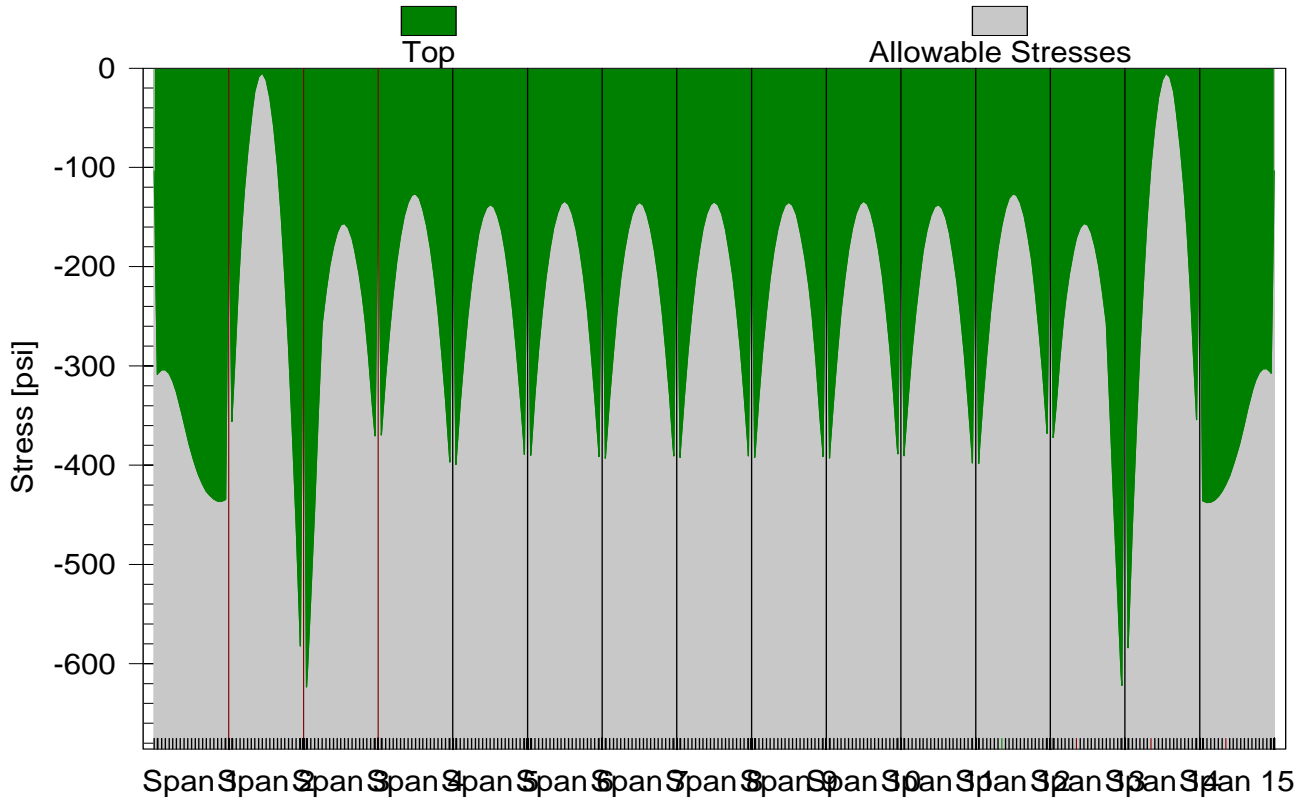


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: INITIAL_MIN_LL

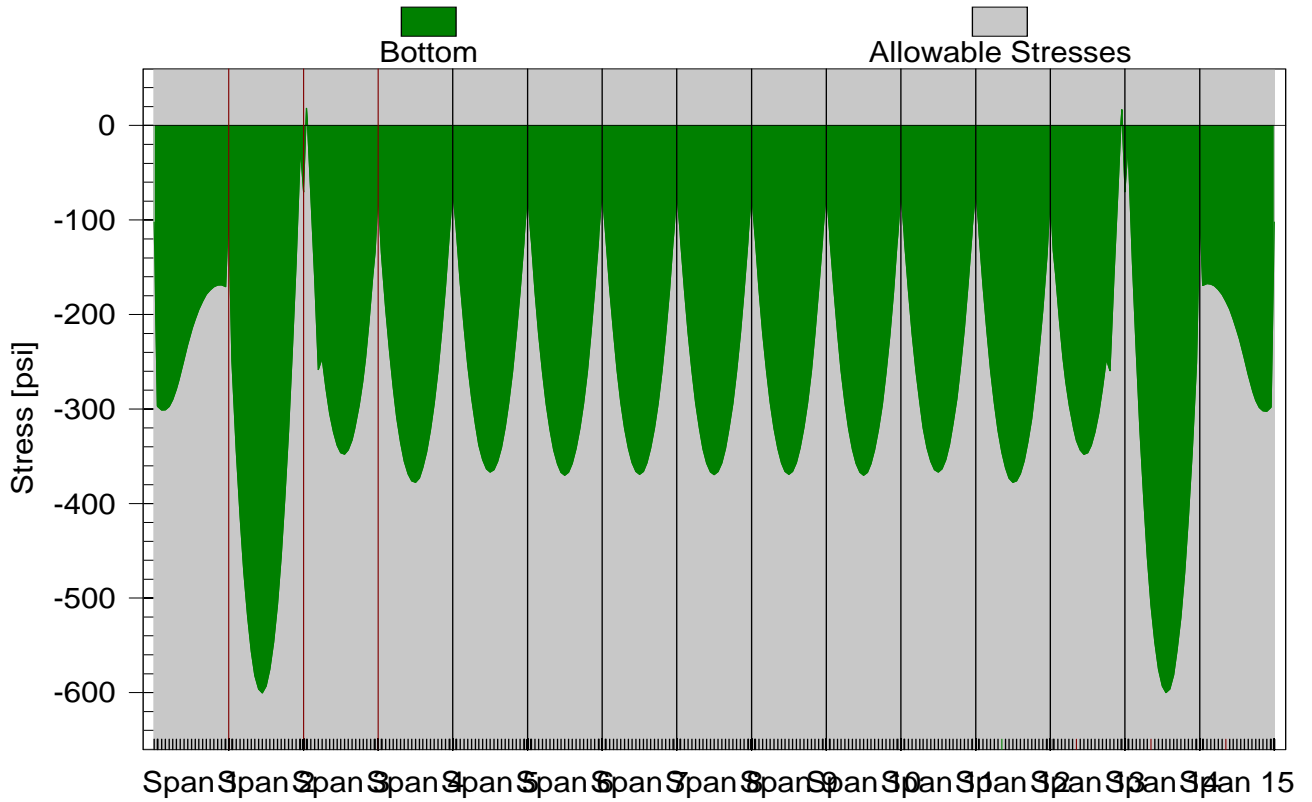
Stress Diagrams

Project: "" / Load Case: INITIAL_MIN_LL
+1.00 SW +0.00 LL_Min +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

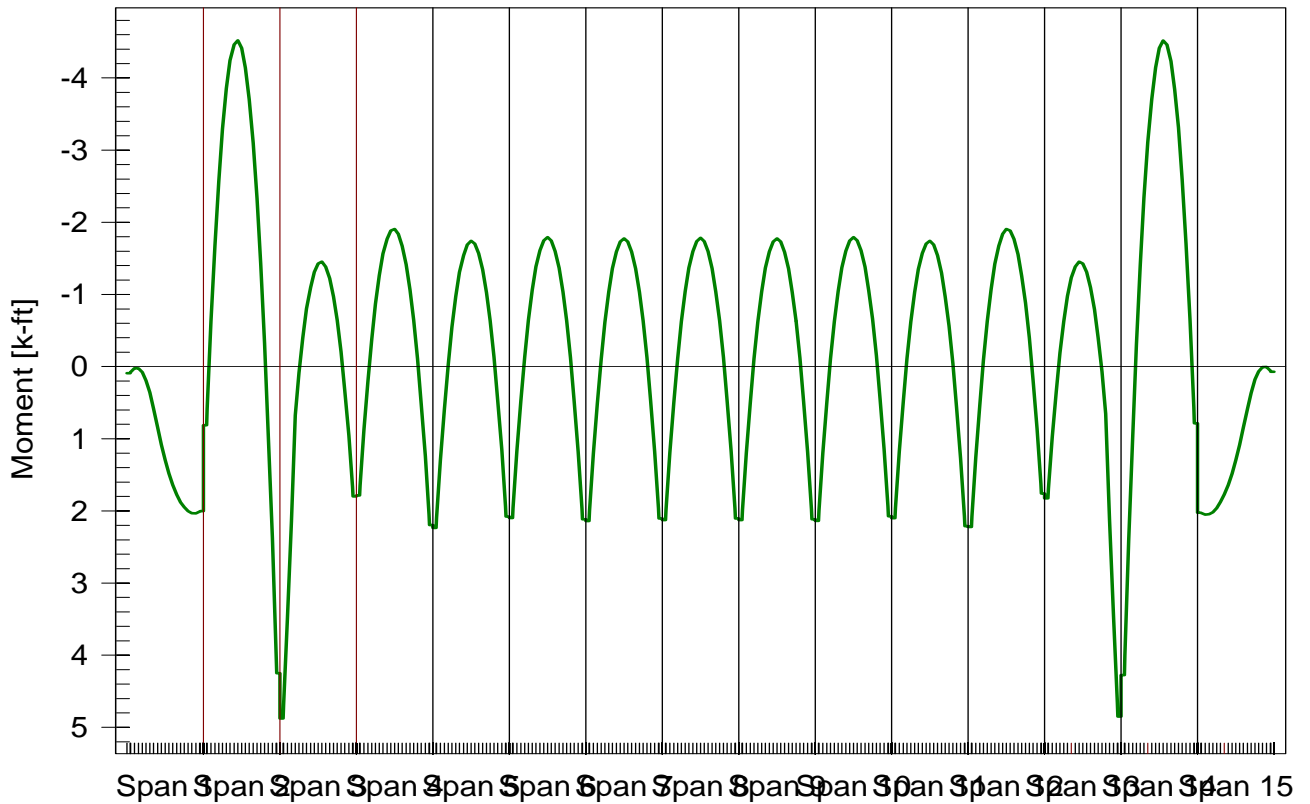
Project: "" / Load Case: INITIAL_MIN_LL
+1.00 SW +0.00 LL_Min +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



SERVICE COMBINATION STRESSES
(Tension stress positive)

Moment Diagrams

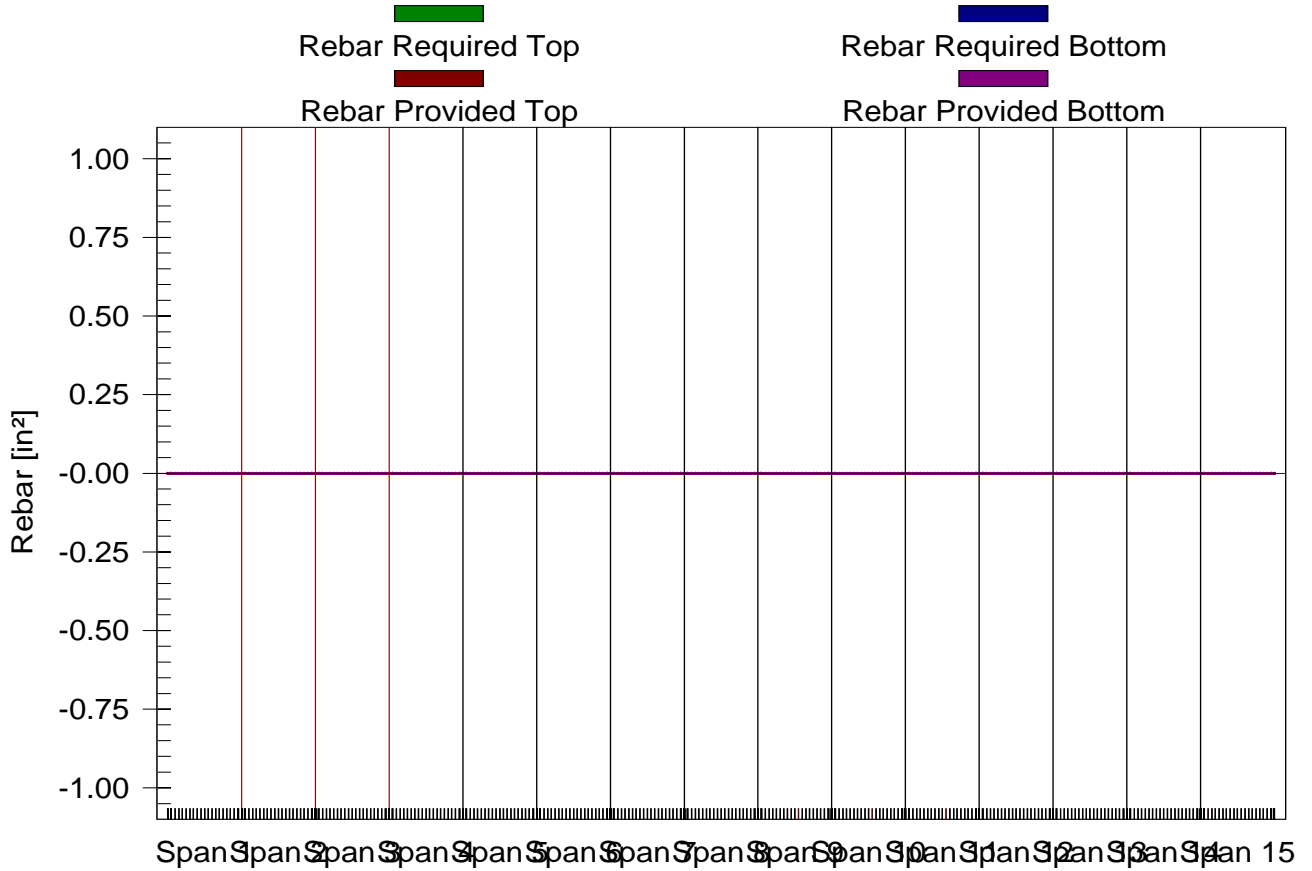
Project: "" / Load Case: INITIAL_MIN_LL
+1.00 SW +0.00 LL_Min +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: INITIAL_MIN_LL
 +1.00 SW +0.00 LL_Min +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT

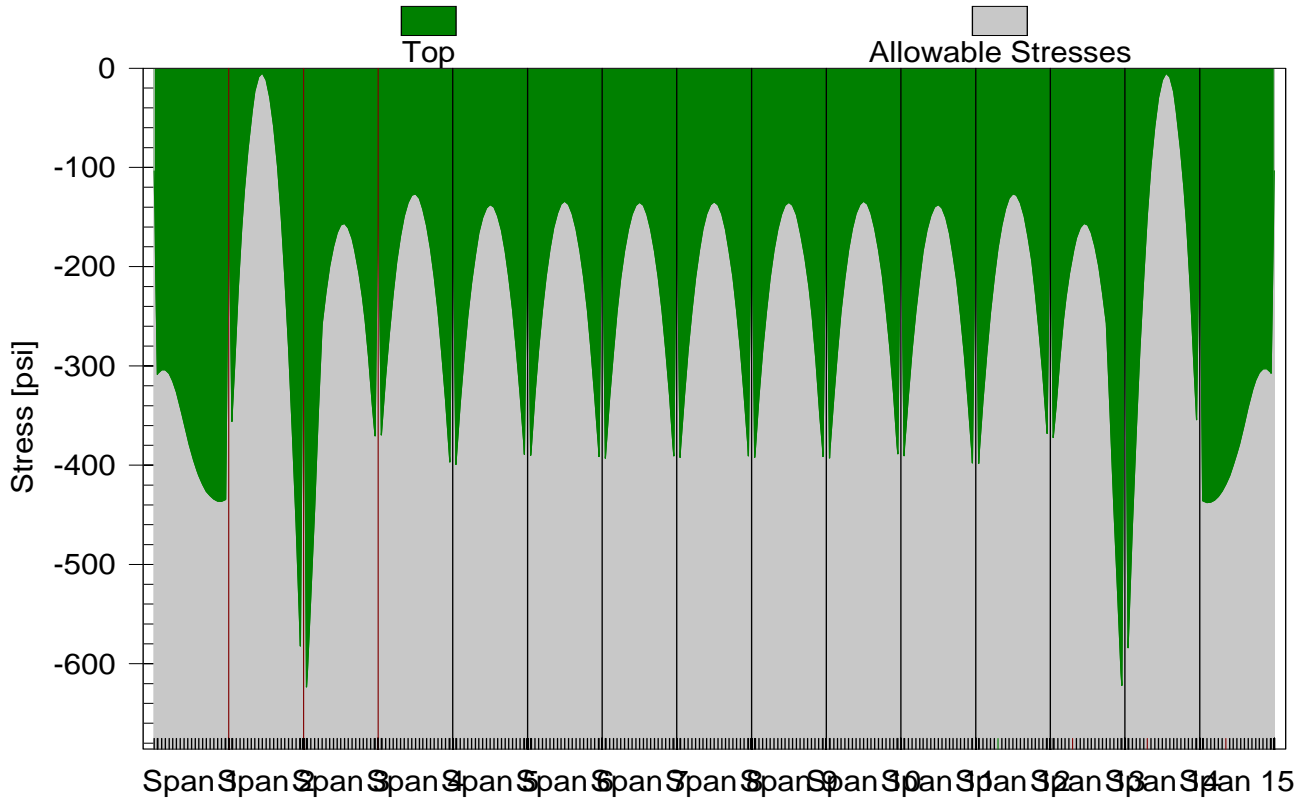


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: INITIAL_MAX_LL

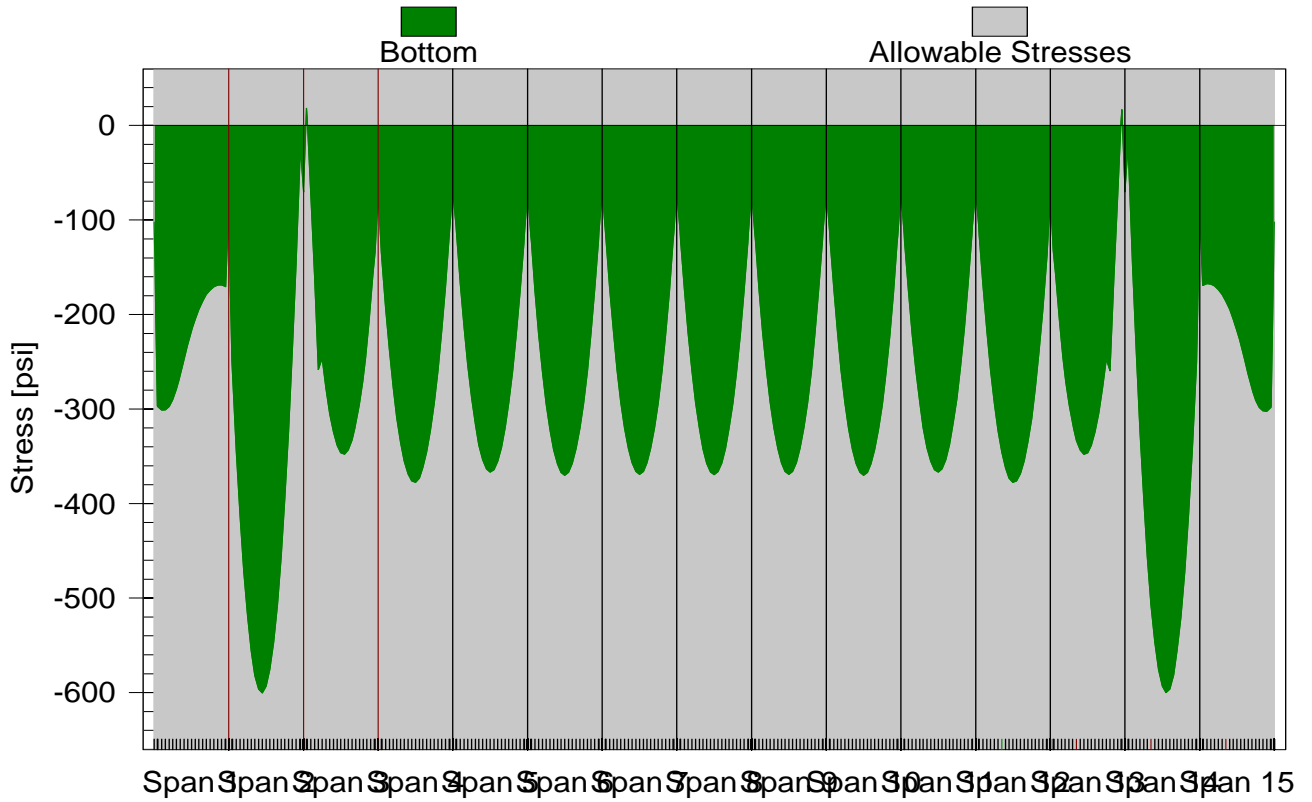
Stress Diagrams

Project: "" / Load Case: INITIAL_MAX_LL
+1.00 SW +0.00 LL_Max +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



Stress Diagrams

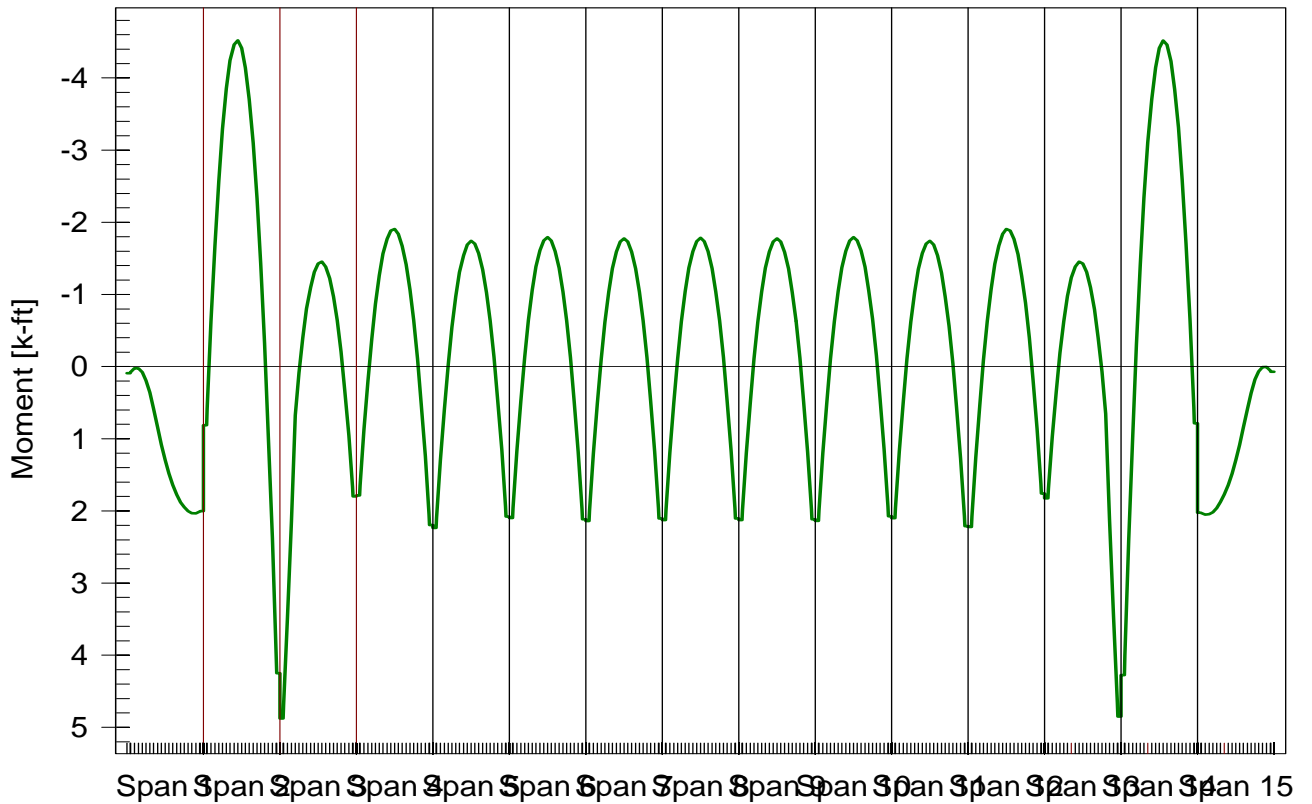
Project: "" / Load Case: INITIAL_MAX_LL
+1.00 SW +0.00 LL_Max +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Tensile Stress Positive



SERVICE COMBINATION STRESSES
(Tension stress positive)

Moment Diagrams

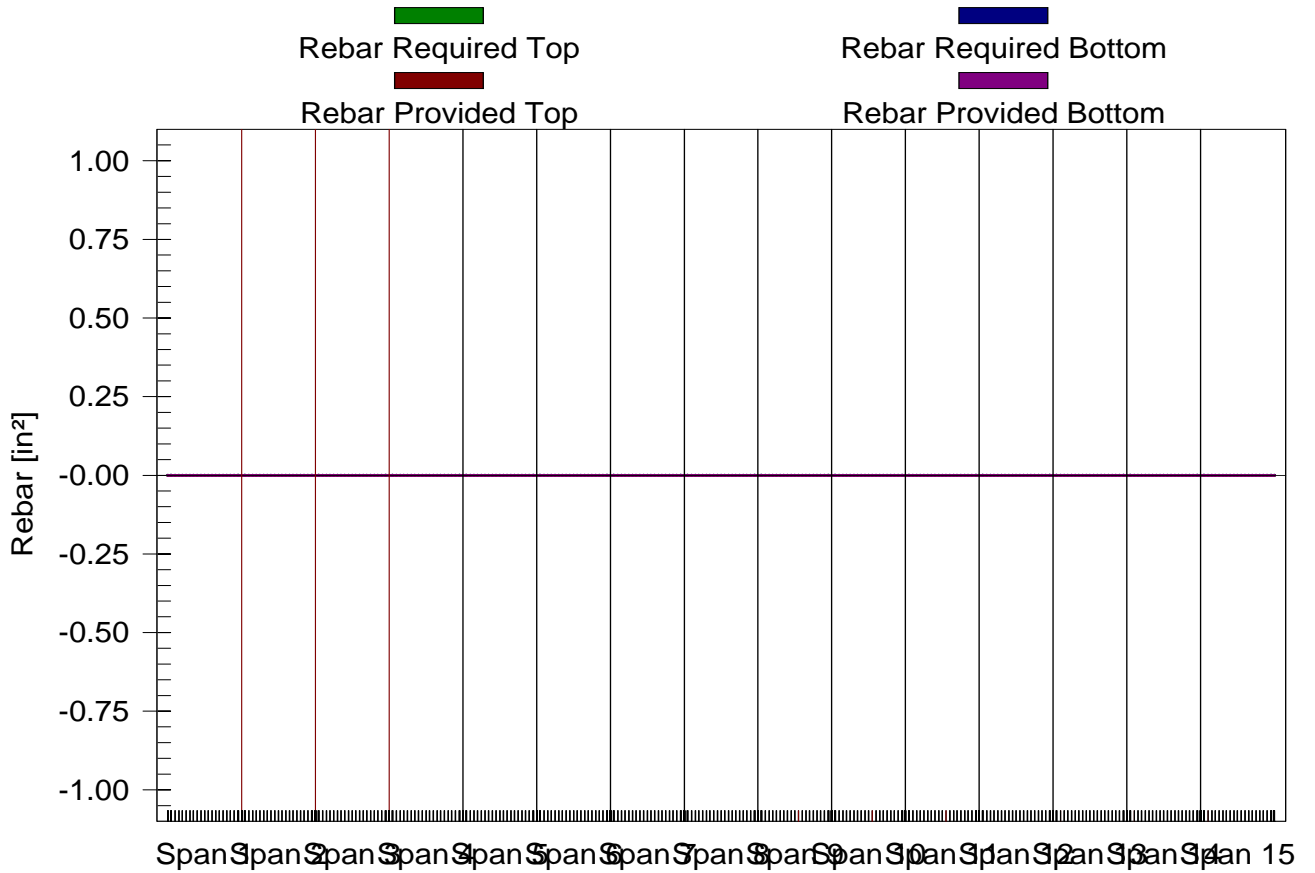
Project: "" / Load Case: INITIAL_MAX_LL
+1.00 SW +0.00 LL_Max +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT
Moment Drawn on Tension Side



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: INITIAL_MAX_LL
 +1.00 SW +0.00 LL_Max +0.00 SDL +0.00 XL +1.15 PT +0.00 HYP +0.00 LAT

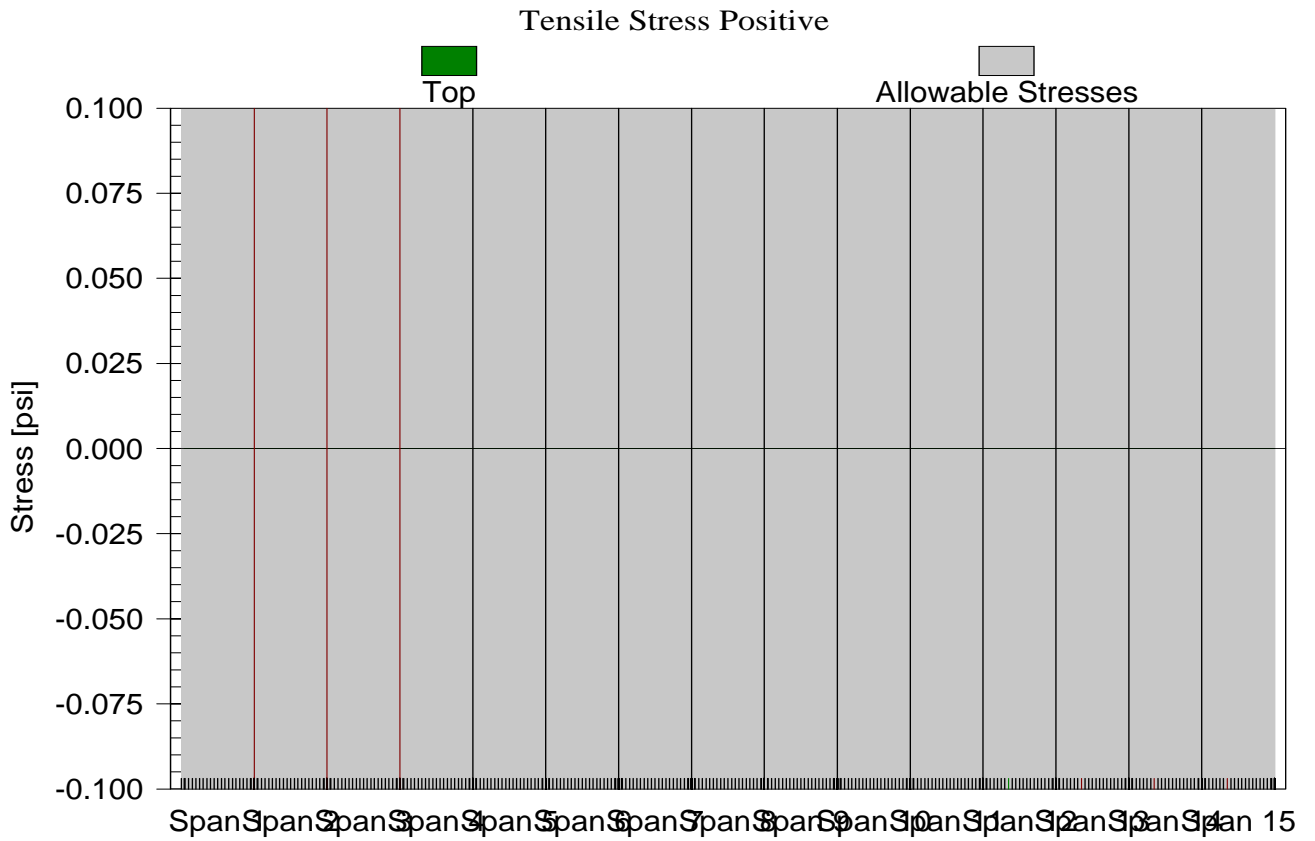


REINFORCEMENT REQUIRED AND PROVIDED

LOAD COMBINATION: Cracking_Moment

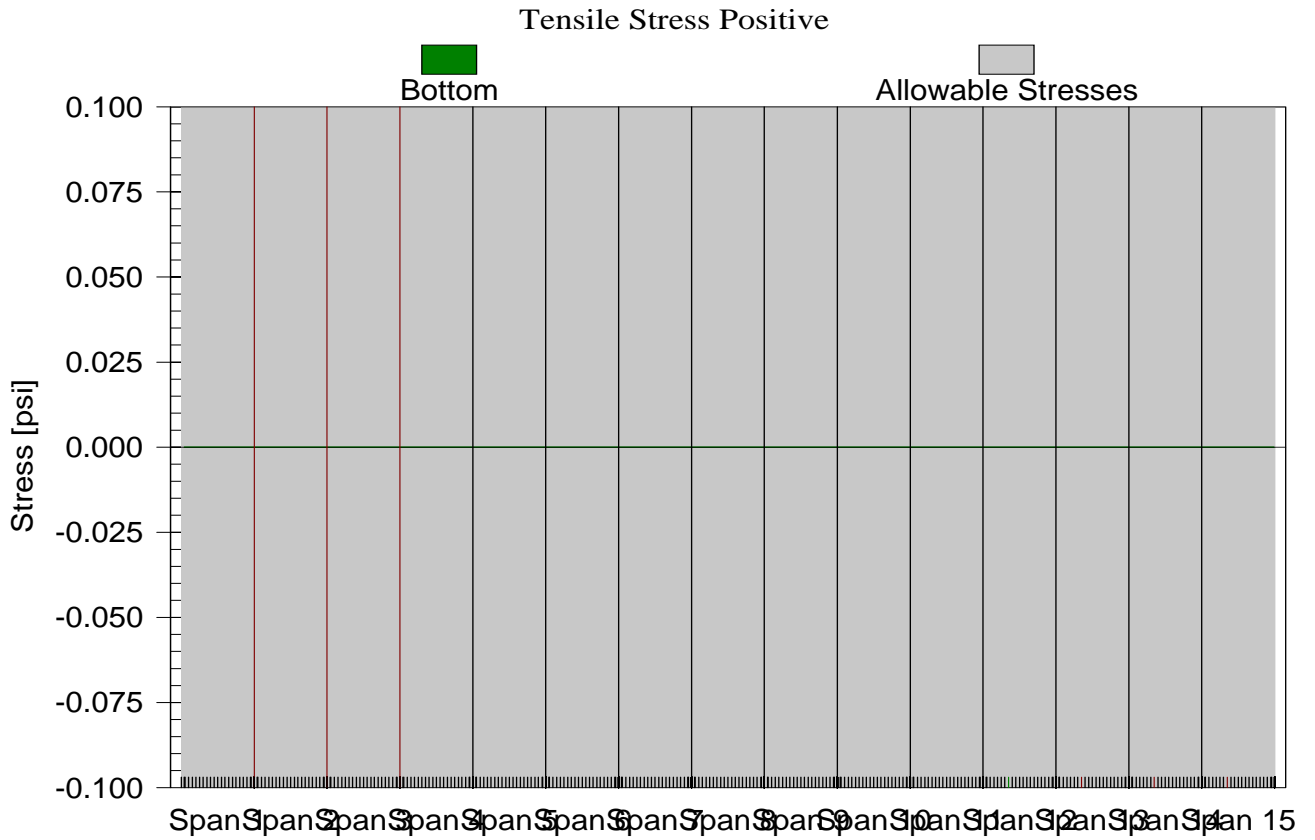
Stress Diagrams

Project: "" / Load Case: Cracking_Moment



Stress Diagrams

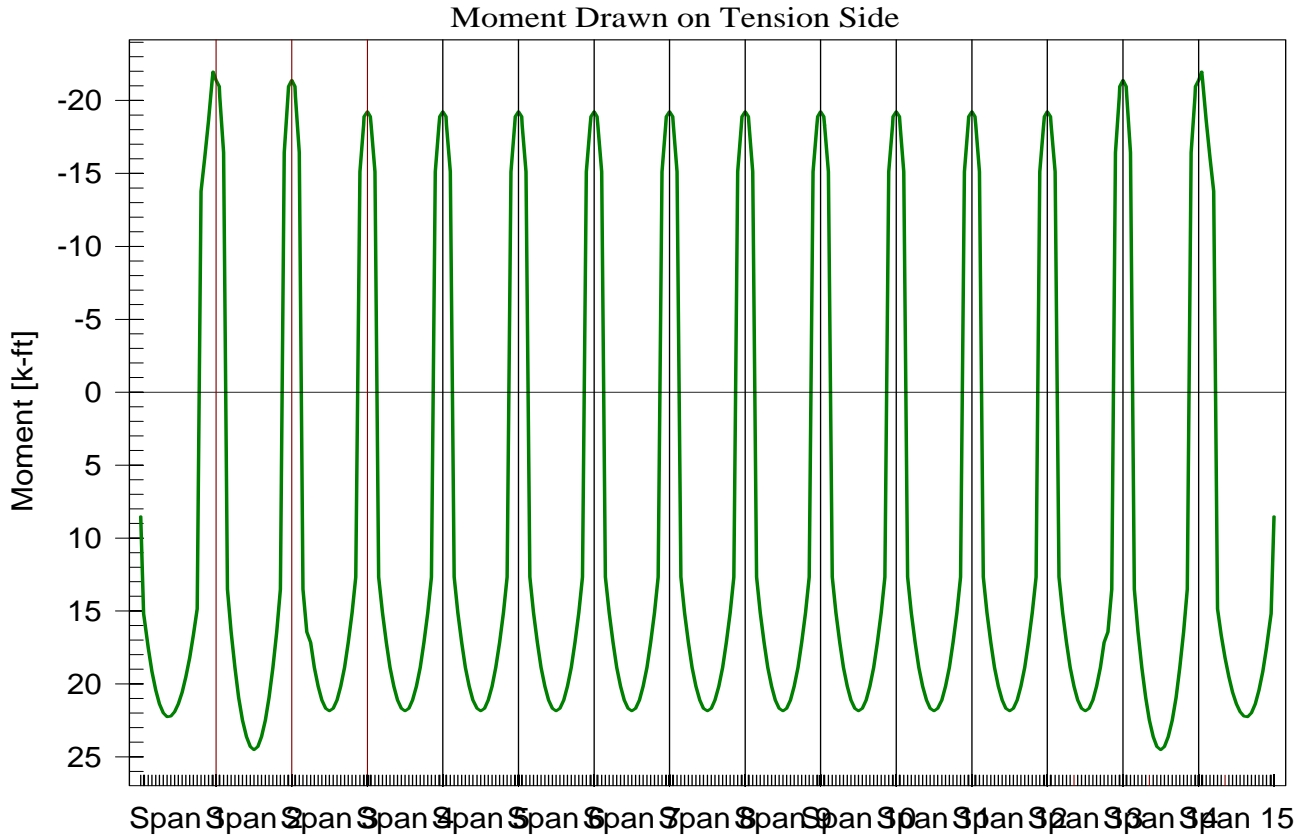
Project: "" / Load Case: Cracking_Moment



SERVICE COMBINATION STRESSES
 (Tension stress positive)

Moment Diagrams

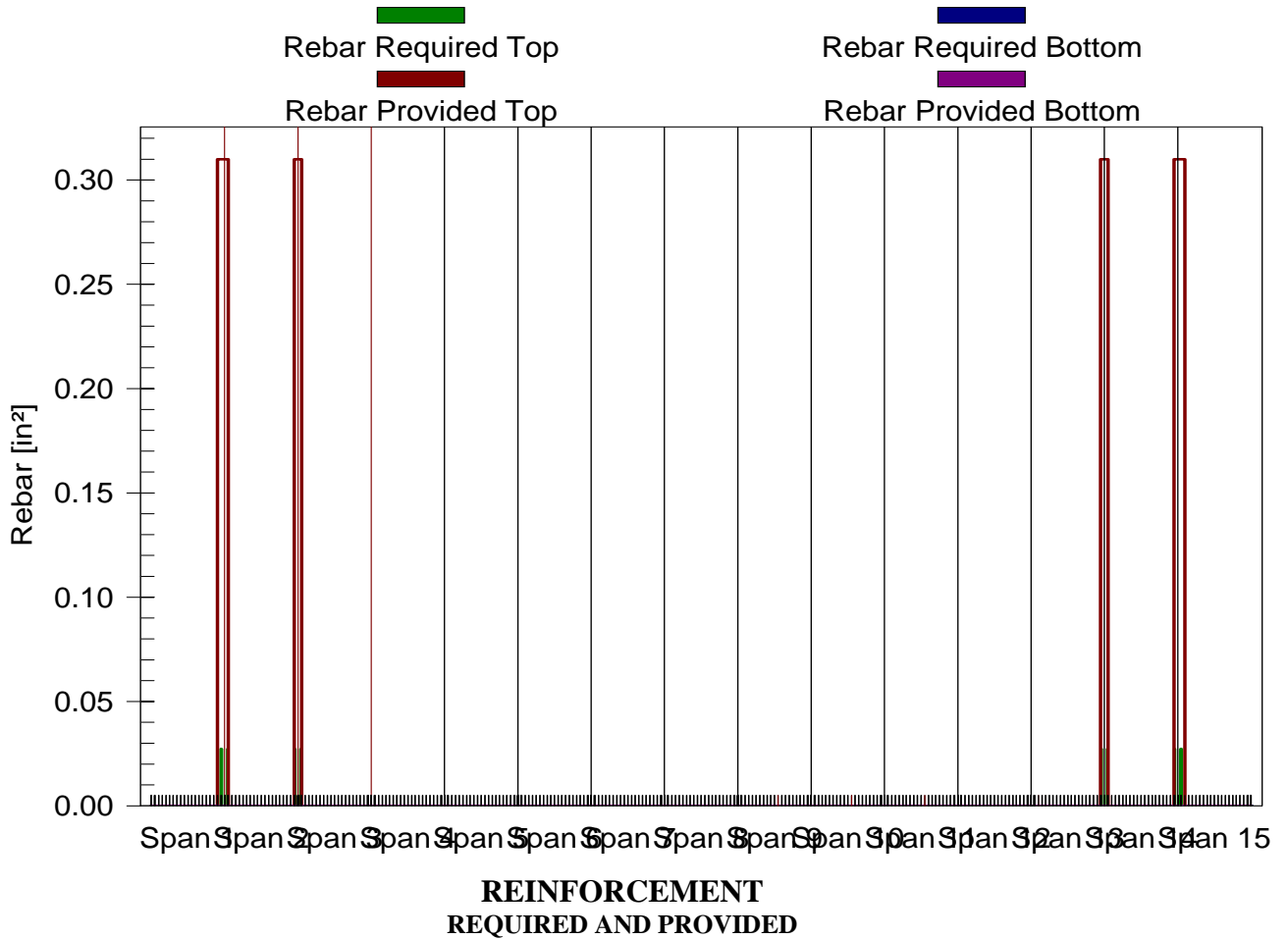
Project: "" / Load Case: Cracking_Moment



DESIGN MOMENT
(Moment is drawn on tension side)

Rebar Diagrams

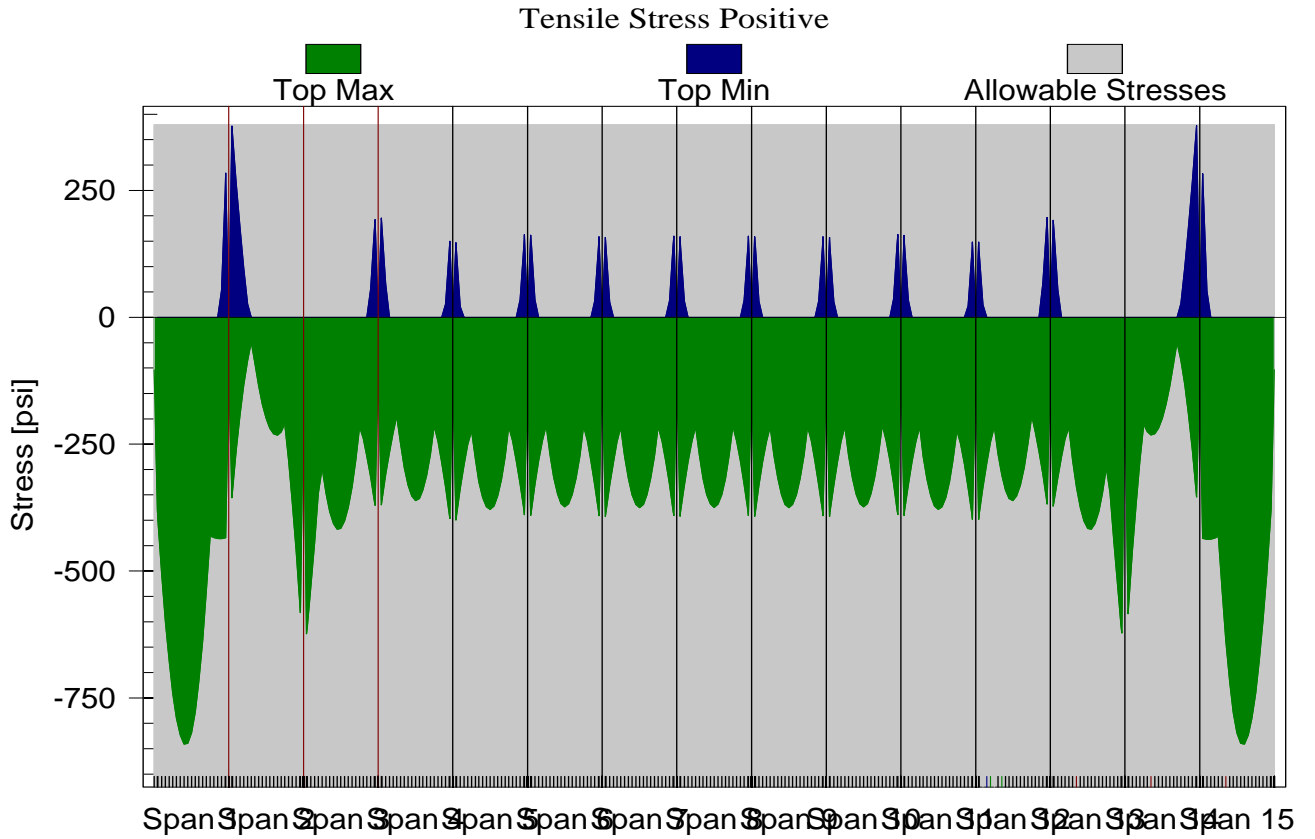
Project: "" / Load Case: Cracking_Moment



LOAD COMBINATION: Envelope

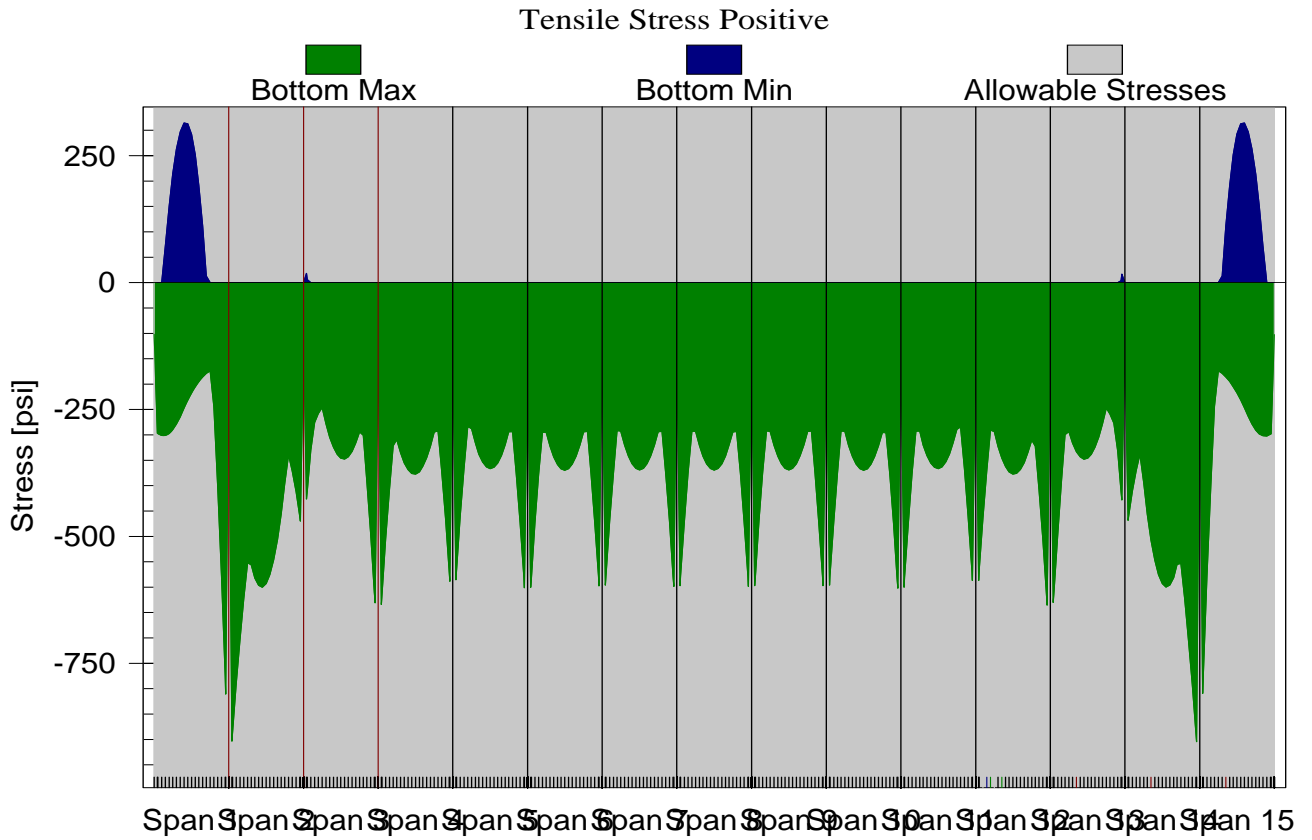
Stress Diagrams

Project: "" / Load Case: Envelope



Stress Diagrams

Project: "" / Load Case: Envelope

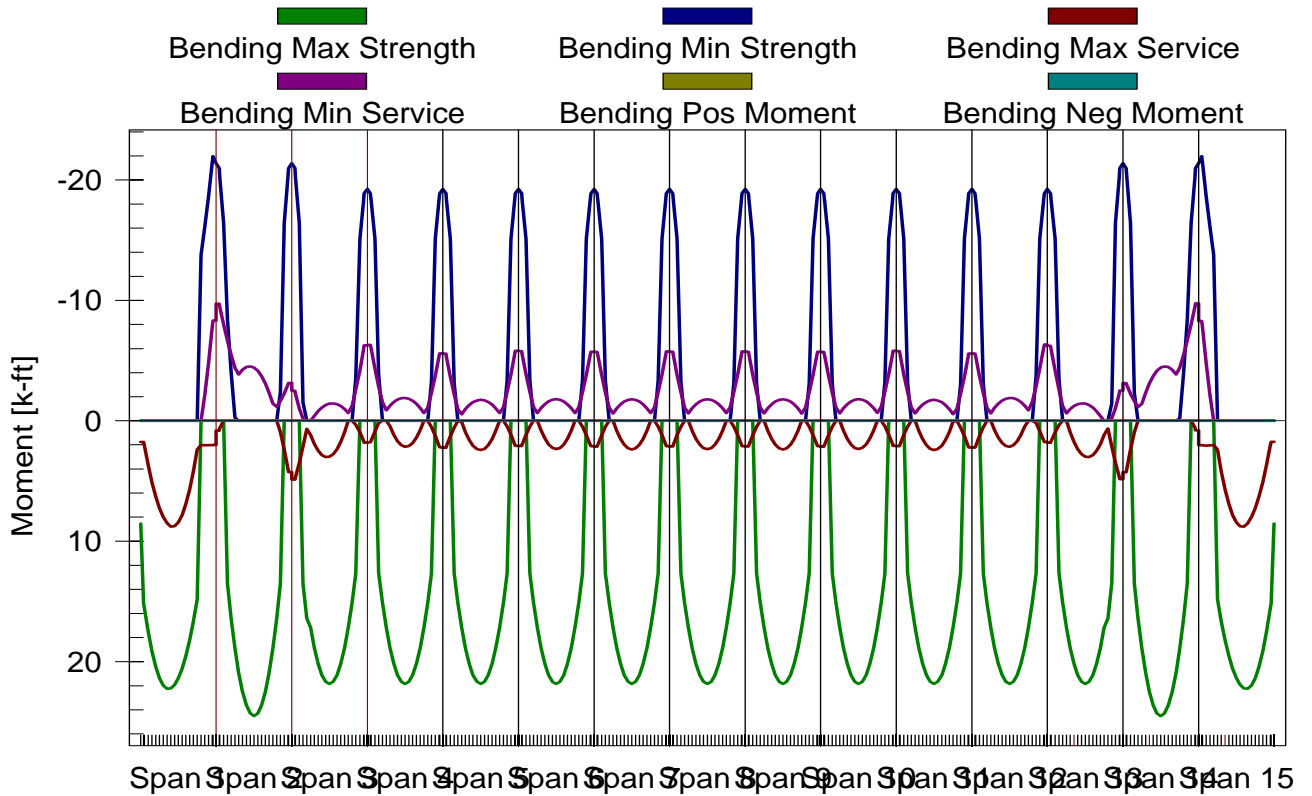


SERVICE COMBINATION STRESSES
(Tension stress positive)

Moment Diagrams

Project: "" / Load Case: Envelope

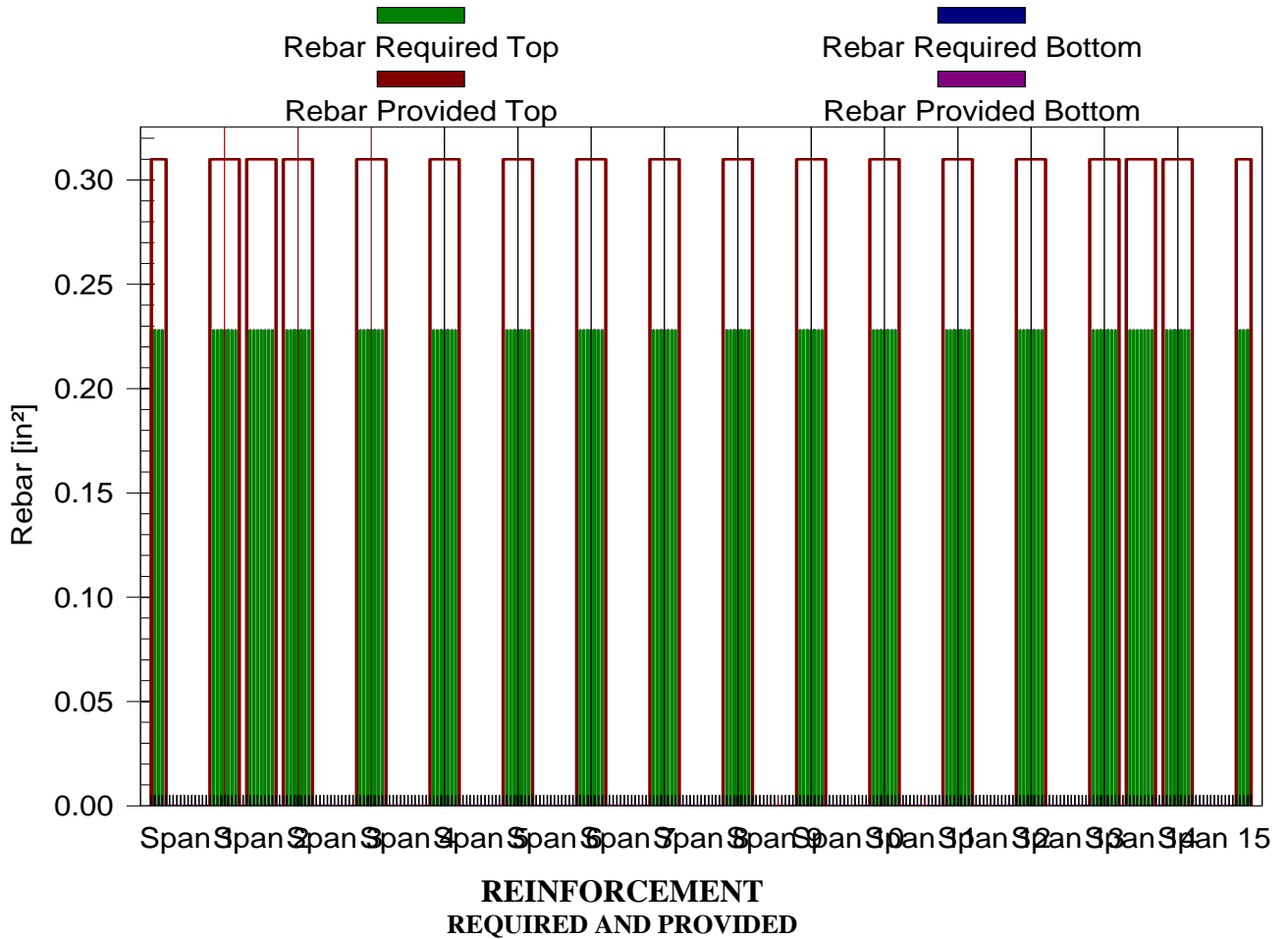
Moment Drawn on Tension Side



DESIGN MOMENT
 (Moment is drawn on tension side)

Rebar Diagrams

Project: "" / Load Case: Cracking_Moment



Project Name: Specific Title:
File Name: BestBuySlab Date of Generation: Monday, April 06, 2009