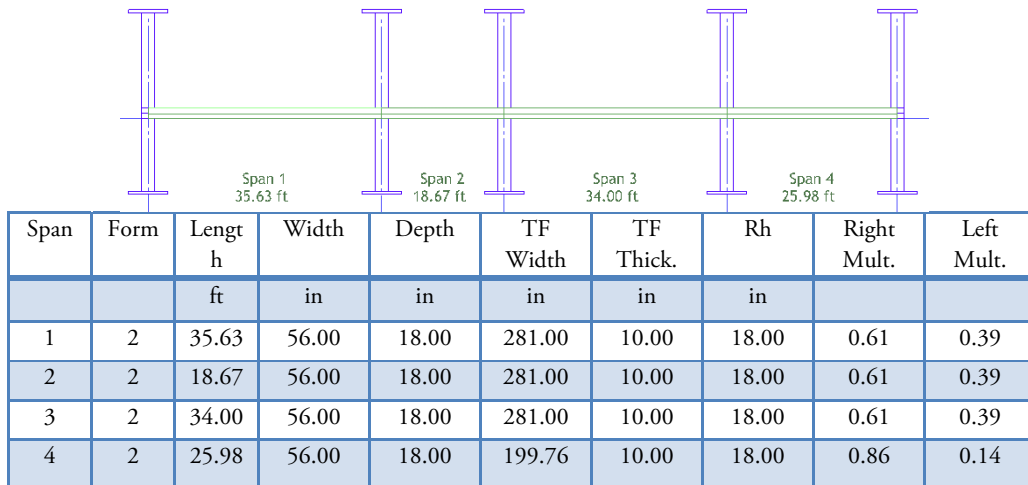
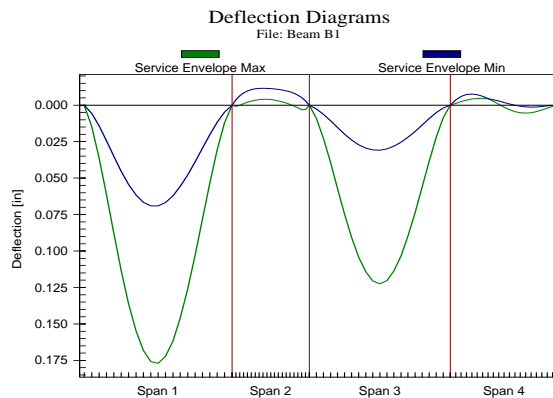
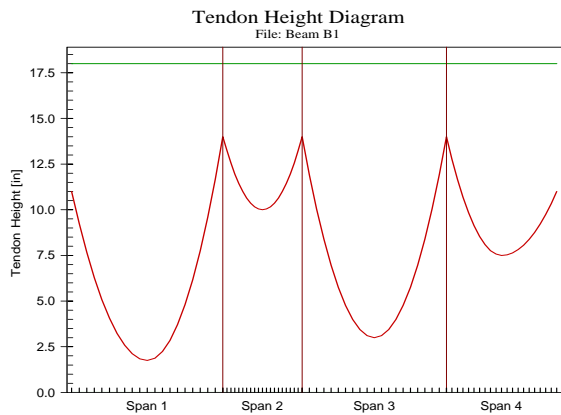


APPENDIX A

AREA 1 BEAM B1



GEOMETRY



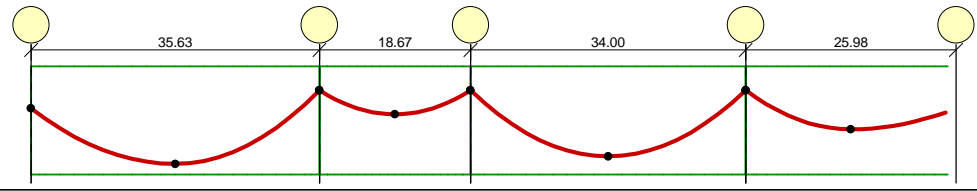
POST-TENSIONING PROFILE

DEFLECTION

Span	Class	Type	W
			k/ft2
1	LL	U	0.100
1	SDL	U	0.015
2	LL	U	0.100
2	SDL	U	0.015
3	LL	U	0.100
3	SDL	U	0.015
4	LL	U	0.050
4	SDL	U	0.015

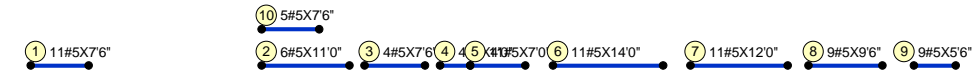
INPUT APPLIED LOADING

- MEMBER ELEVATION
 [ft]

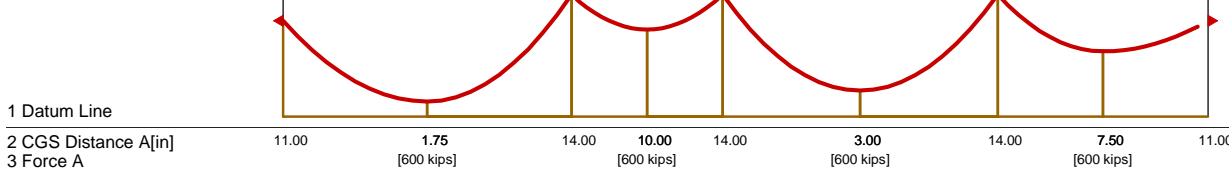


- TOP REBAR

- 1 ADAPT selected
- 2 ADAPT selected



- TENDON PROFILE



- 6 CGS Distance B [in]
- 7 Force B

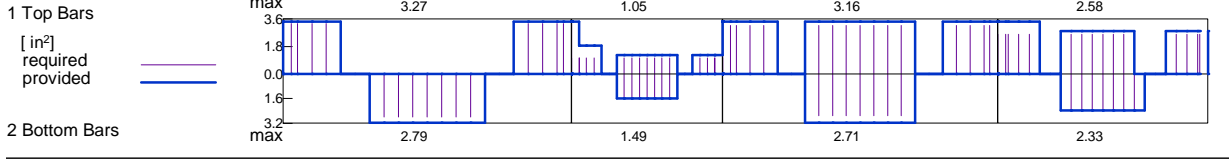
- 10 CGS Distance C [in]
- 11 Force C

- BOTTOM REBAR

- 1 ADAPT selected
- 2 ADAPT selected

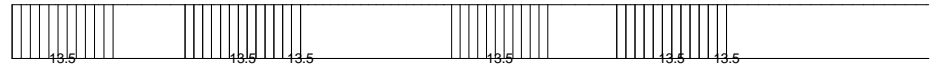


- REQUIRED & PROVIDED BARS



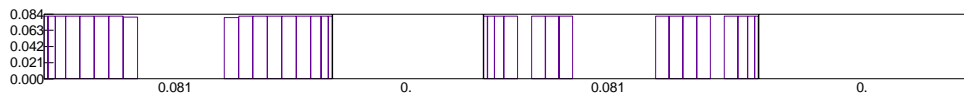
- SHEAR STIRRUPS

- 1 ADAPT selected.
- Bar Size # 4 Legs: 2
- Spacing [in]

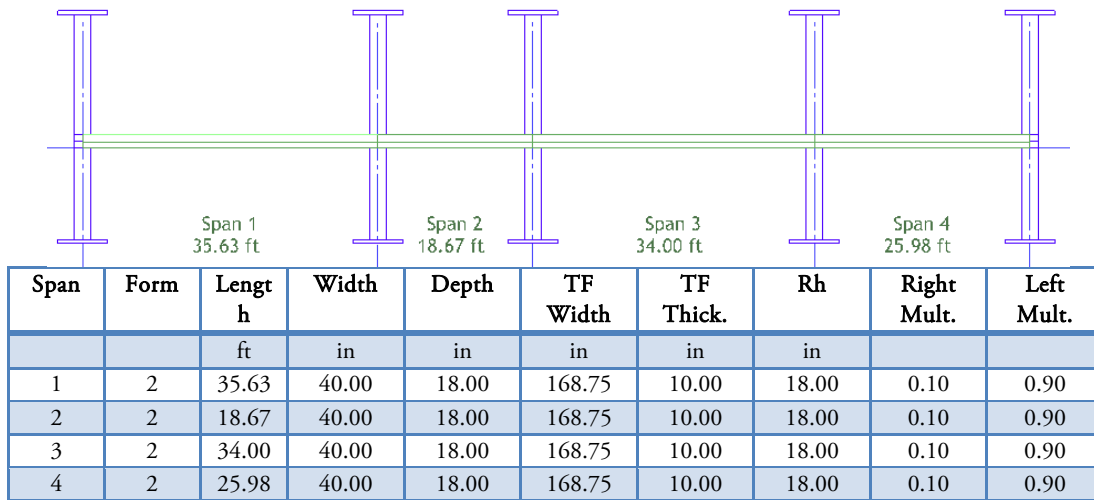


- 2 User-selected
- Bar Size # Legs:

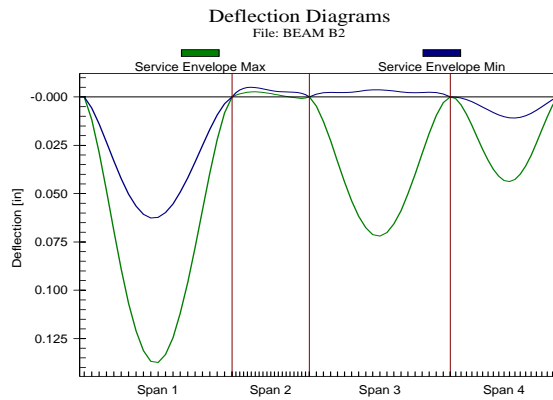
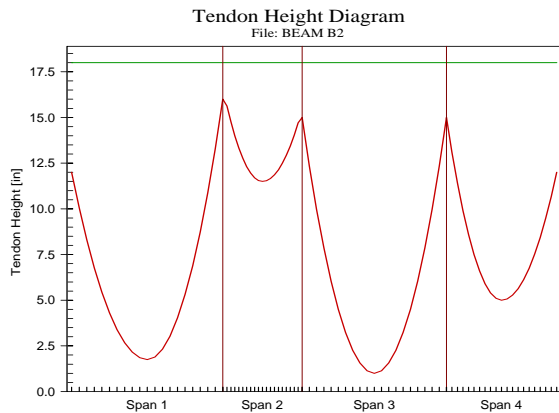
- 3 Required area [in²/ft]



AREA 1 BEAM B2



GEOMETRY



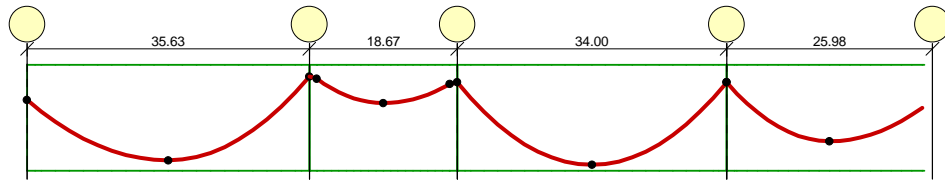
**POST-TENSIONING
 PROFILE**

DEFLECTION

Span	Class	Type	W
			k/ft2
1	LL	U	0.100
1	SDL	U	0.015
2	LL	U	0.100
2	SDL	U	0.015
3	LL	U	0.100
3	SDL	U	0.015
4	LL	U	0.050
4	SDL	U	0.015

INPUT APPLIED LOADING

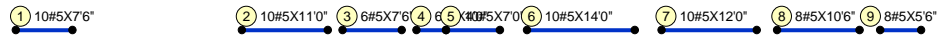
2 - MEMBER ELEVATION
 [ft]



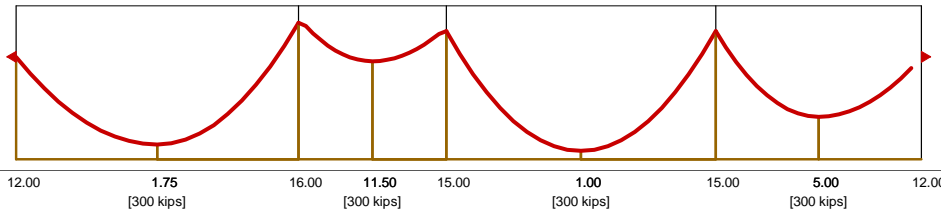
3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



4 - TENDON PROFILE



4.6 CGS Distance B[in]

4.7 Force B

4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

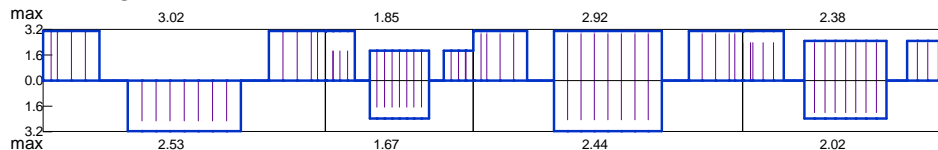
5.2 ADAPT selected



6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

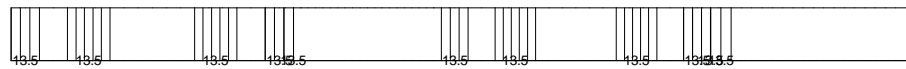
[in²]
 required
 provided



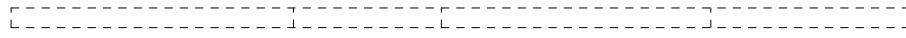
6.2 Bottom Bars

7 - SHEAR STIRRUPS

7.1 ADAPT selected.
 Bar Size # 5 Legs: 2
 Spacing [in]



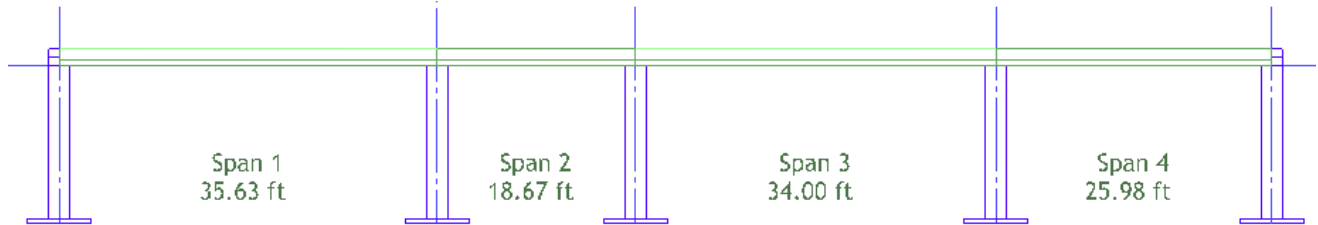
7.2 User-selected
 Bar Size # Legs:



7.3 Required area
 [in²/ft]

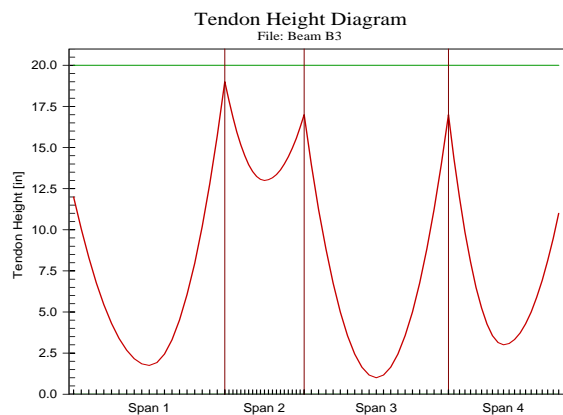


AREA 1 BEAM B3

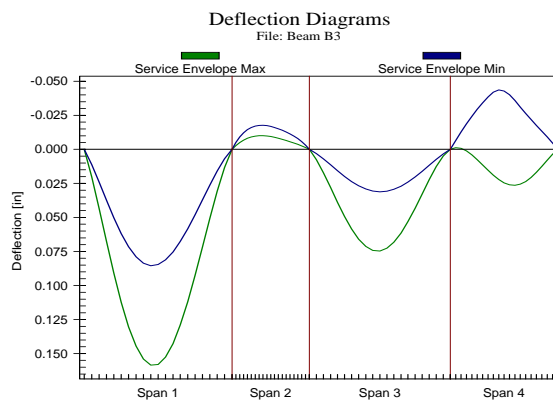


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	35.63	56.00	20.00	196.75	11.00	20.00	0.86	0.14
2	2	18.67	56.00	20.00	196.75	11.00	20.00	0.86	0.14
3	2	34.00	56.00	20.00	196.75	11.00	20.00	0.86	0.14
4	2	25.98	56.00	20.00	196.75	11.00	20.00	0.86	0.14

GEOMETRY



**POST-TENSIONING
 PROFILE**

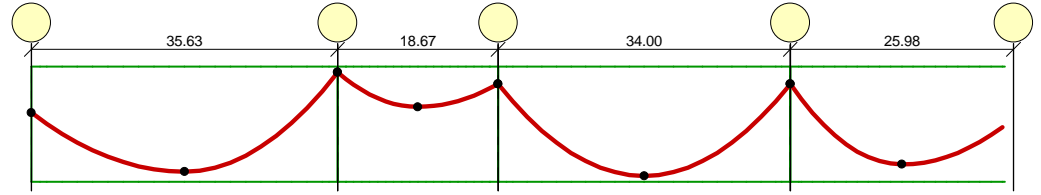


DEFLECTION

Span	Class	Type	W
			k/ft2
1	LL	U	0.100
1	SDL	U	0.025
2	LL	U	0.100
2	SDL	U	0.025
3	LL	U	0.100
3	SDL	U	0.025
4	LL	U	0.150
4	SDL	U	0.025

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

⑩ 6#5X7'6"

3.2 ADAPT selected

① 12#5X7'6"

② 6#5X11'0"

③ 4#5X7'6"

④ 4#5X7'6"

⑤ 4#5X7'0"

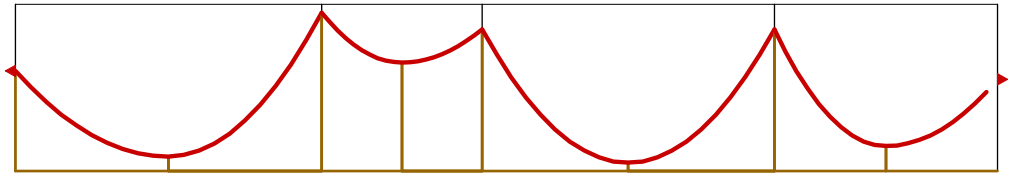
⑥ 12#5X14'0"

⑦ 12#5X12'0"

⑧ 10#5X10'6"

⑨ 10#5X5'6"

4 - TENDON PROFILE



4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A

12.00

1.75

[351.5 kips]

19.00

13.00

[351.5 kips]

17.00

[351.5 kips]

1.00

17.00

[351.5 kips]

3.00

[351.5 kips]

11.00

4.6 CGS Distance B[in]

4.7 Force B

4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

⑯ 2#8X14'6"

⑰ 2#8X14'0"

⑱ 2#8X10'6"

5.2 ADAPT selected

⑪ 3#8X32'6"

⑫ 3#8X7'6"

⑬ 2#8X31'0"

⑭ 2#8X18'6"

⑮ 1#8X3'0"

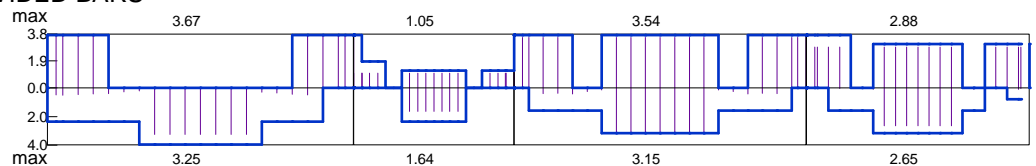
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²

required

provided



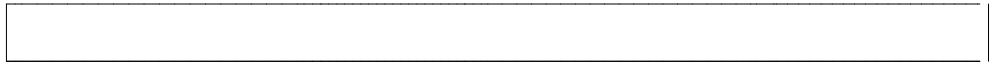
6.2 Bottom Bars

7 - SHEAR STIRRUPS

7.1 ADAPT selected.

Bar Size # 4 Legs: 2

Spacing [in]

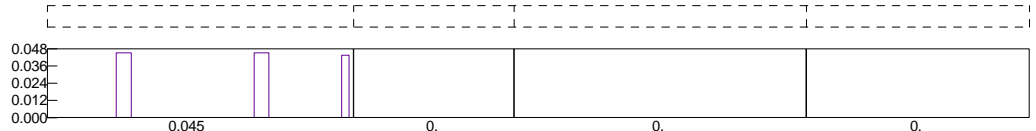


7.2 User-selected

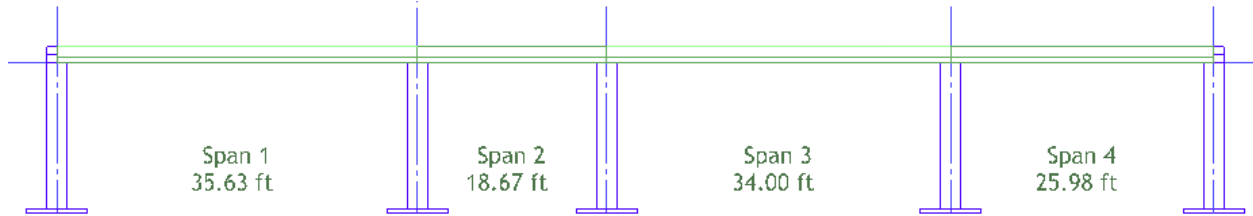
Bar Size # 4 Legs:

7.3 Required area

[in²/ft]

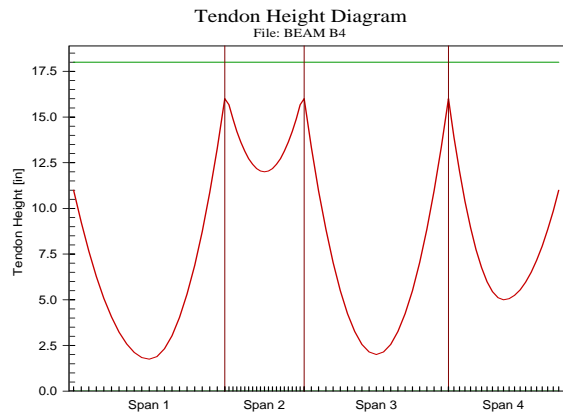


AREA 1 BEAM B4

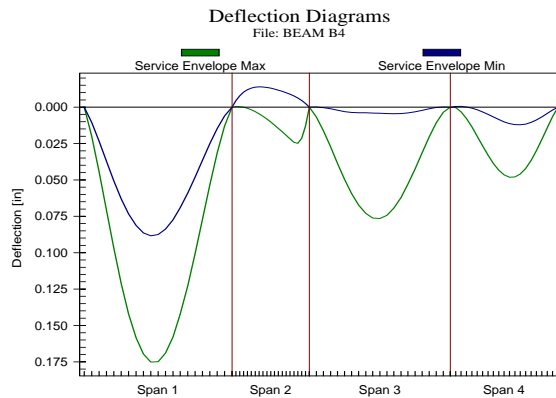


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	35.63	40.00	20.00	168.75	11.00	20.00	0.10	0.90
2	2	18.67	40.00	20.00	168.75	11.00	20.00	0.10	0.90
3	2	34.00	40.00	20.00	168.75	11.00	20.00	0.10	0.90
4	2	25.98	40.00	20.00	168.75	11.00	20.00	0.10	0.90

GEOMETRY



**POST-TENSIONING
 PROFILE**

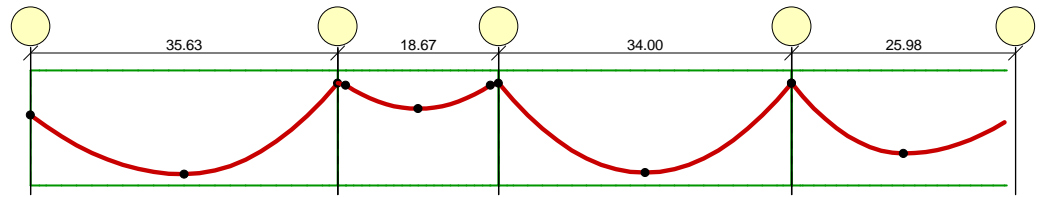


DEFLECTION

Span	Class	Type	W
			k/ft2
1	LL	U	0.100
1	SDL	U	0.025
2	LL	U	0.100
2	SDL	U	0.025
3	LL	U	0.100
3	SDL	U	0.025
4	LL	U	0.150
4	SDL	U	0.025

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

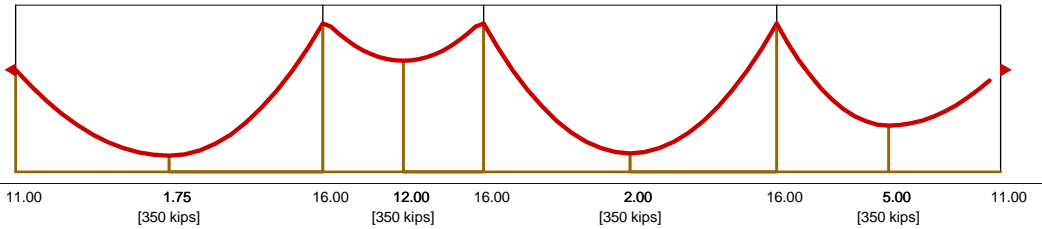


4 - TENDON PROFILE

4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected



6 - REQUIRED & PROVIDED BARS

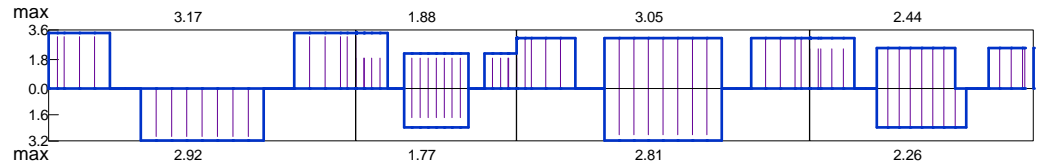
6.1 Top Bars

[in²]

required

provided

6.2 Bottom Bars



7 - SHEAR STIRRUPS

7.1 ADAPT selected.

Bar Size # 5 Legs: 2

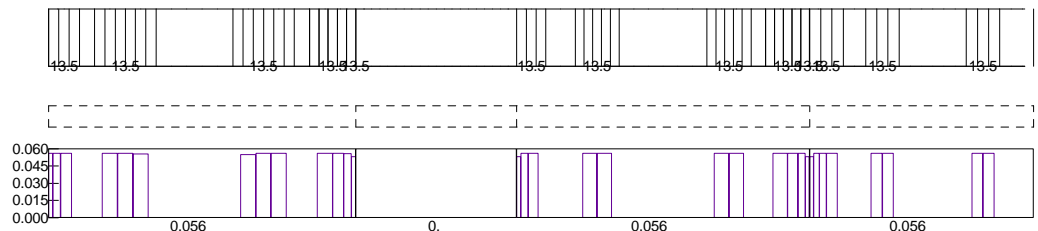
Spacing [in]

7.2 User-selected

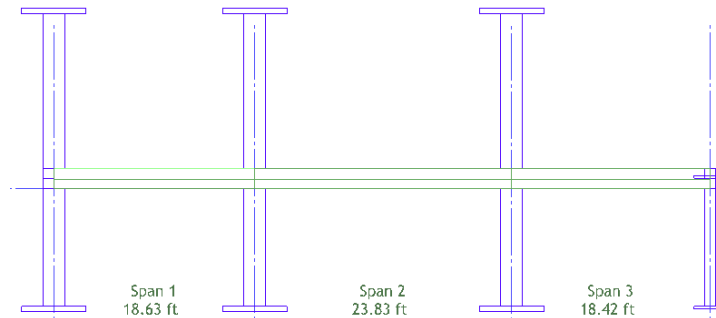
Bar Size # Legs:

7.3 Required area

[in²/ft]

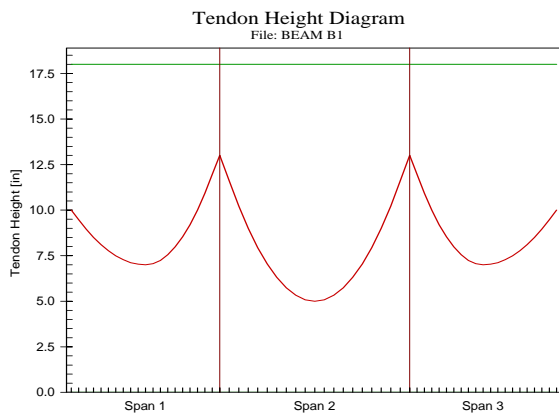


AREA 2 BEAM B5

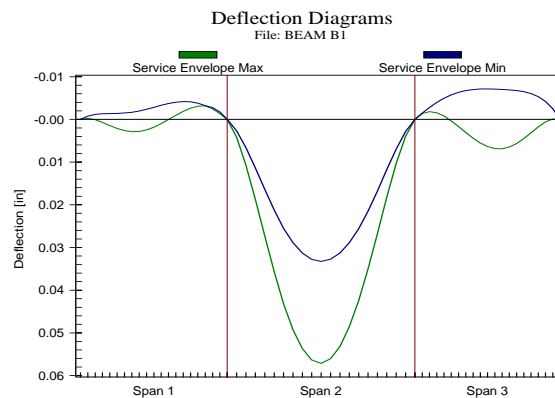


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	18.63	60.00	18.00	312.00	10.00	18.00	0.35	0.65
2	2	23.83	60.00	18.00	312.00	10.00	18.00	0.35	0.65
3	2	18.42	60.00	18.00	312.00	10.00	18.00	0.35	0.65

GEOMETRY



**POST-TENSIONING
 PROFILE**

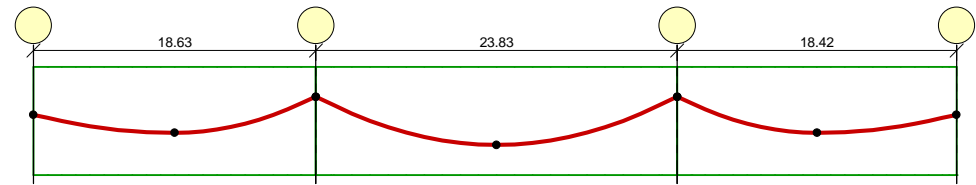


DEFLECTION

Span	Class	Type	W	A	F
			k/ft2	ft	k
1	LL	U	0.050		
1	SDL	U	0.015		
2	LL	U	0.082		
2	SDL	U	0.015		
2	SDL	C		6.670	13.000
2	SDL	C		18.000	13.000
3	LL	U	0.082		
3	SDL	U	0.015		

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

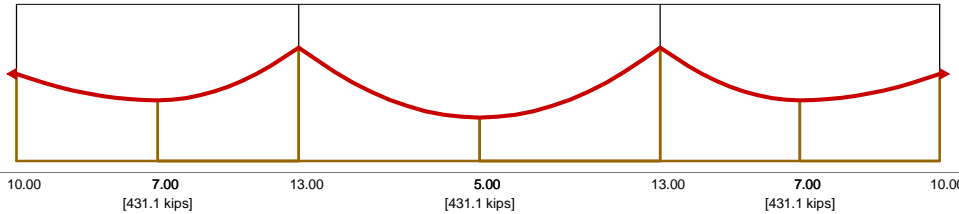


4 - TENDON PROFILE

4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

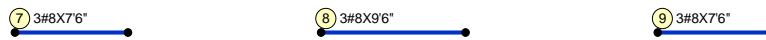
4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

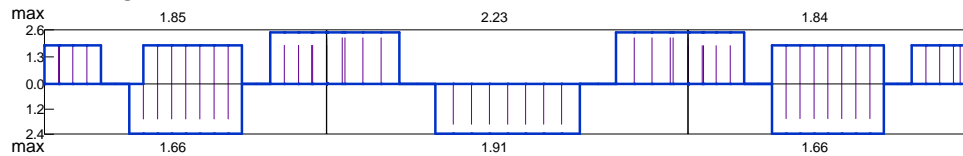


6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
 required
 provided

6.2 Bottom Bars



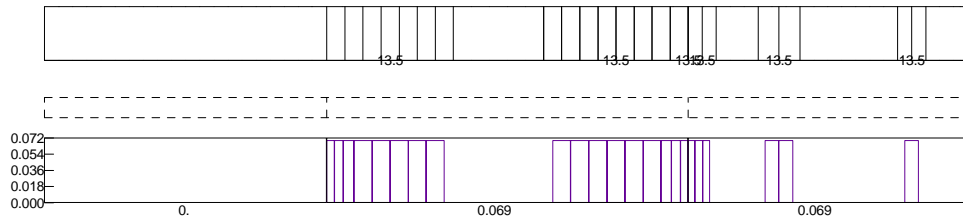
7 - SHEAR STIRRUPS

7.1 ADAPT selected.

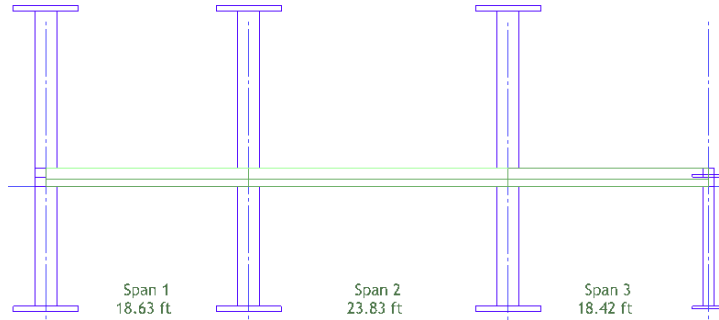
Bar Size # 4 Legs: 2
 Spacing [in]

7.2 User-selected
 Bar Size # Legs:

7.3 Required area
 [in²/ft]

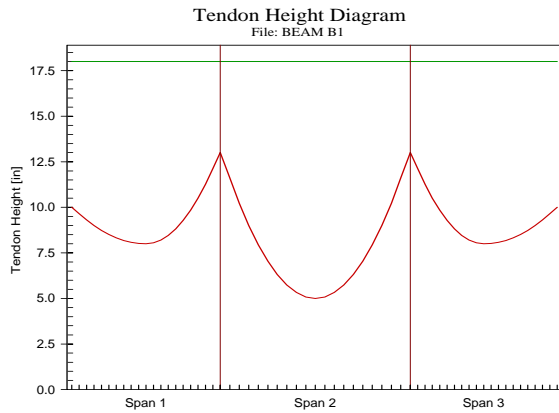


AREA 2 BEAM B6

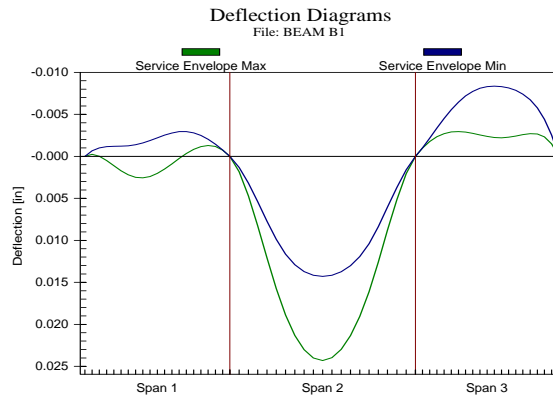


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	18.63	40.00	18.00	224.56	10.00	18.00	0.09	0.91
2	2	23.83	40.00	18.00	224.56	10.00	18.00	0.09	0.91
3	2	18.42	40.00	18.00	224.56	10.00	18.00	0.09	0.91

GEOMETRY



**POST-TENSIONING
 PROFILE**

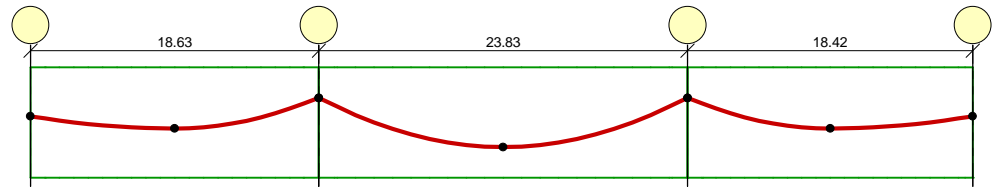


DEFLECTION

Span	Class	Type	W	A	F
			k/ft2	ft	k
1	LL	U	0.050		
1	SDL	U	0.015		
2	LL	U	0.050		
2	SDL	U	0.015		
2	SDL	C		6.670	16.000
2	SDL	C		18.000	16.000
3	LL	U	0.050		
3	SDL	U	0.015		

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected

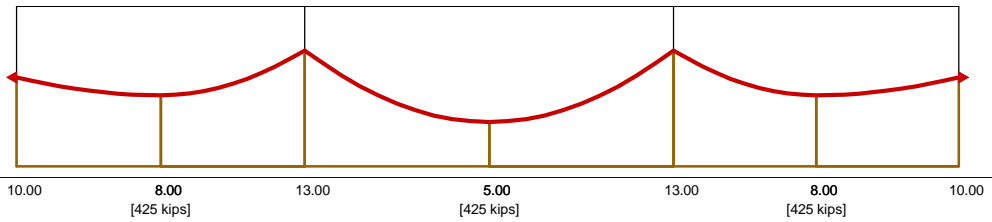


4 - TENDON PROFILE

4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

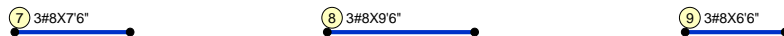
4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

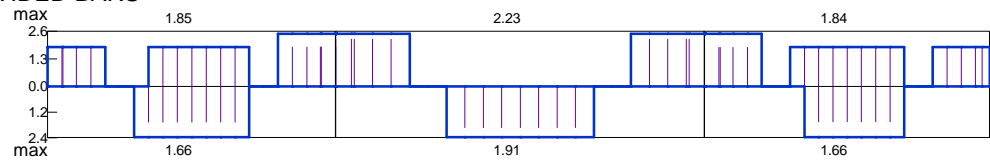


6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
 required
 provided

6.2 Bottom Bars



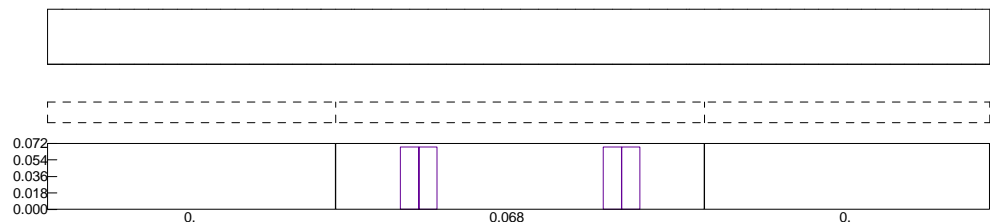
7 - SHEAR STIRRUPS

7.1 ADAPT selected.

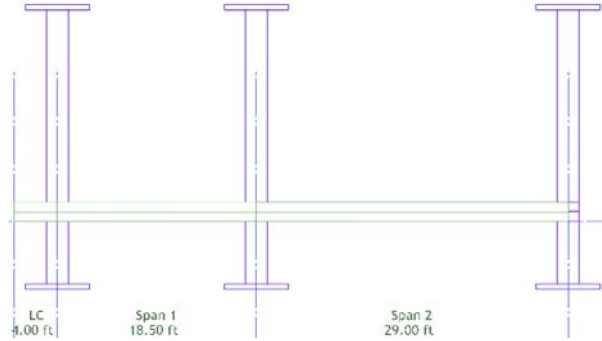
Bar Size # 4 Legs: 2
 Spacing [in]

7.2 User-selected
 Bar Size # Legs:

7.3 Required area
 [in²/ft]

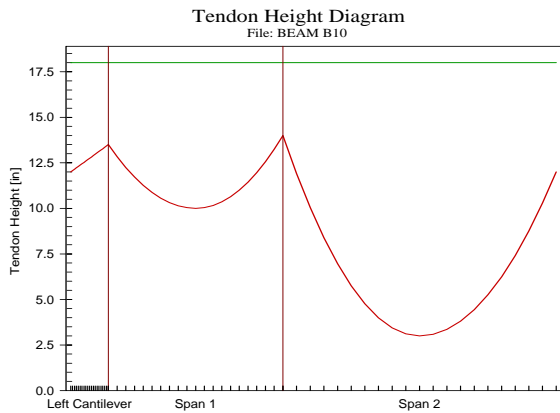


AREA 2 BEAM B7

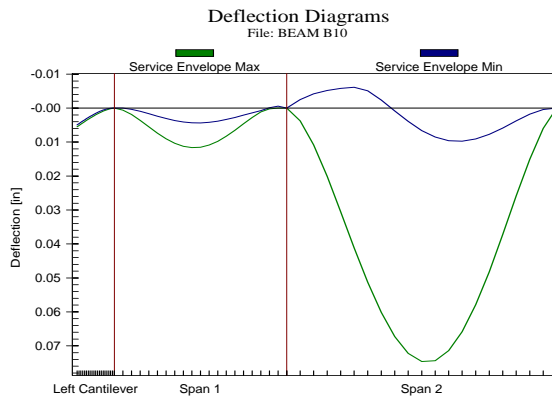


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
C	2	4.00	60.00	18.00	312.00	10.00	18.00	0.35	0.65
1	2	18.50	60.00	18.00	312.00	10.00	18.00	0.35	0.65
2	2	29.00	60.00	18.00	312.00	10.00	18.00	0.35	0.65

GEOMETRY



**POST-TENSIONING
 PROFILE**

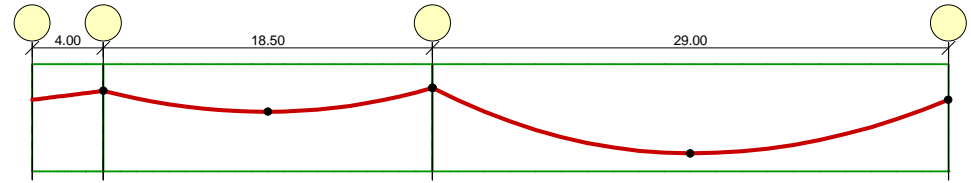


DEFLECTION

Span	Class	Type	W
			k/ft2
CANT	LL	U	0.082
CANT	SDL	U	0.015
1	LL	U	0.082
1	SDL	U	0.015
2	LL	U	0.082
2	SDL	U	0.015

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

⑦ 3#5X4'0"

3.2 ADAPT selected

① 3#5X4'6"

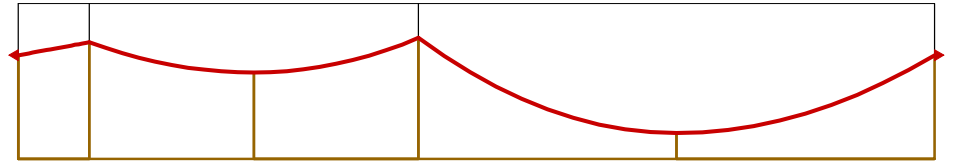
② 6#5X7'6"

③ 6#5X4' ④ 9#5X6'0"

⑤ 9#5X7'6"

⑥ 9#5X6'0"

4 - TENDON PROFILE



4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A

12.00 13.50 10.00 14.00 3.00 12.00
 [500 kips] [500 kips] [500 kips]

4.6 CGS Distance B[in]

4.7 Force B

4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

⑧ 3#8X7'6"

⑨ 3#8X12'0"

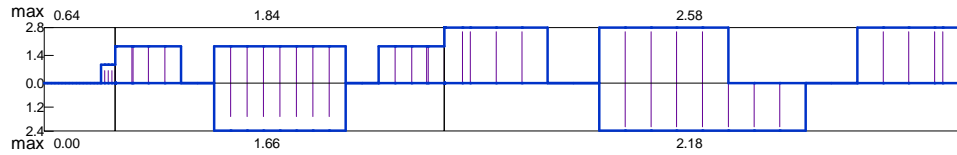
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



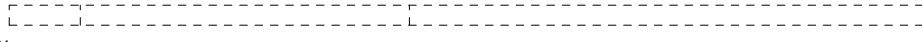
6.2 Bottom Bars

7 - SHEAR STIRRUPS

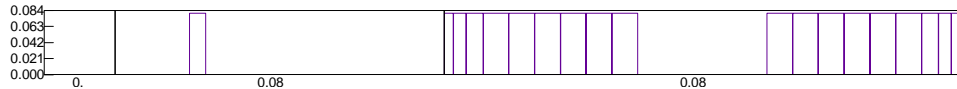
7.1 ADAPT selected.
 Bar Size # 4 Legs: 2
 Spacing [in]



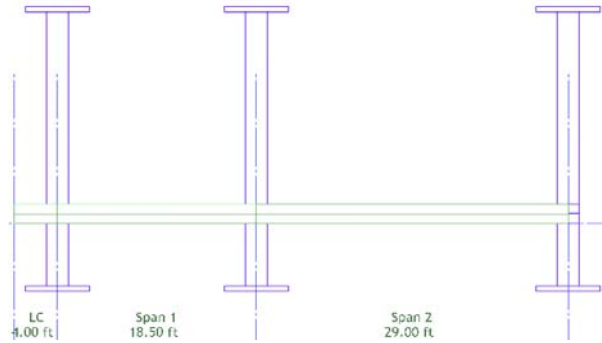
7.2 User-selected
 Bar Size # Legs:



7.3 Required area
 [in²/ft]

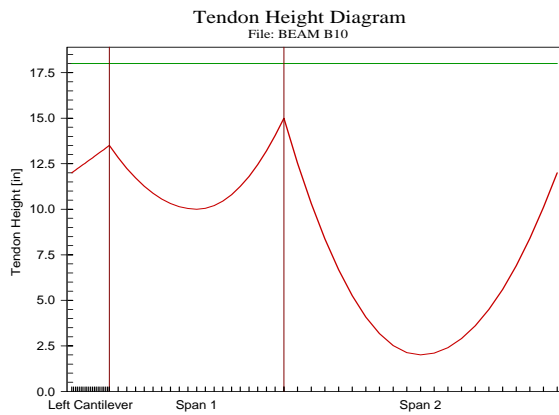


AREA 2 BEAM B8

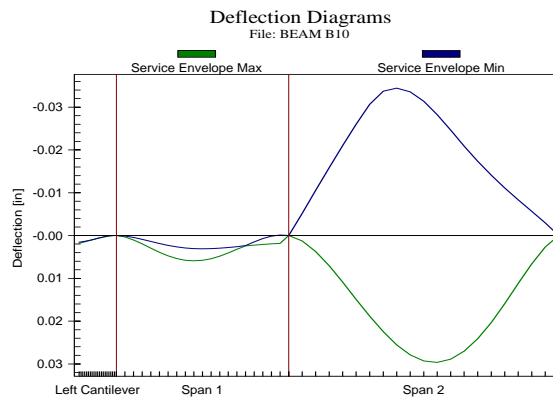


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
C	2	4.00	40.00	18.00	224.56	10.00	18.00	0.09	0.91
1	2	18.50	40.00	18.00	224.56	10.00	18.00	0.09	0.91
2	2	29.00	40.00	18.00	224.56	10.00	18.00	0.09	0.91

GEOMETRY



**POST-TENSIONING
 PROFILE**

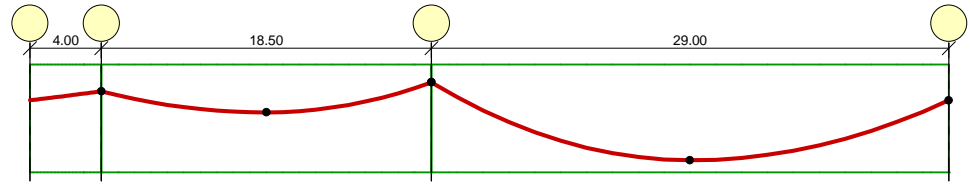


DEFLECTION

Span	Class	Type	W
			k/ft2
CANT	LL	U	0.057
CANT	SDL	U	0.015
1	LL	U	0.057
1	SDL	U	0.015
2	LL	U	0.057
2	SDL	U	0.015

INPUT APPLIED LOADING

2 - MEMBER ELEVATION
 [ft]



3 - TOP REBAR

3.1 ADAPT selected

7 3#5X4'0"

3.2 ADAPT selected

1 3#5X4'6"

2 6#5X6'0"

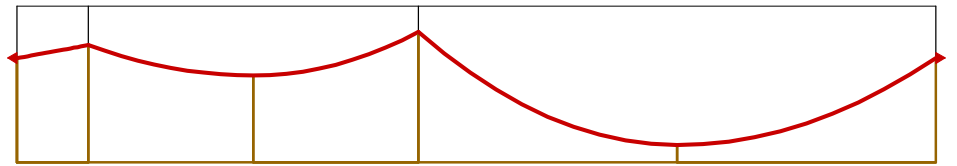
3 6#5X4'

4 9#5X6'0"

5 9#5X12'0"

6 9#5X6'0"

4 - TENDON PROFILE



4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected

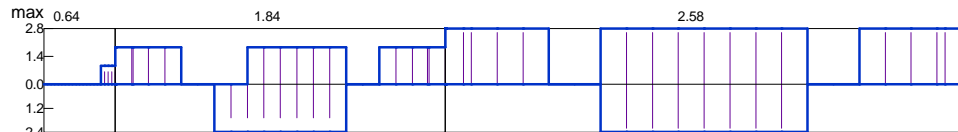
8 3#8X7'6"

9 3#8X12'0"

6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]
 required
 provided

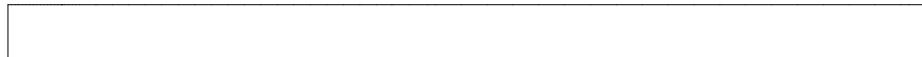


6.2 Bottom Bars

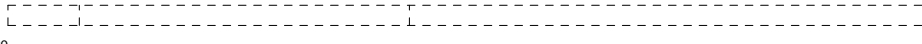


7 - SHEAR STIRRUPS

7.1 ADAPT selected.
 Bar Size # 4 Legs: 2
 Spacing [in]



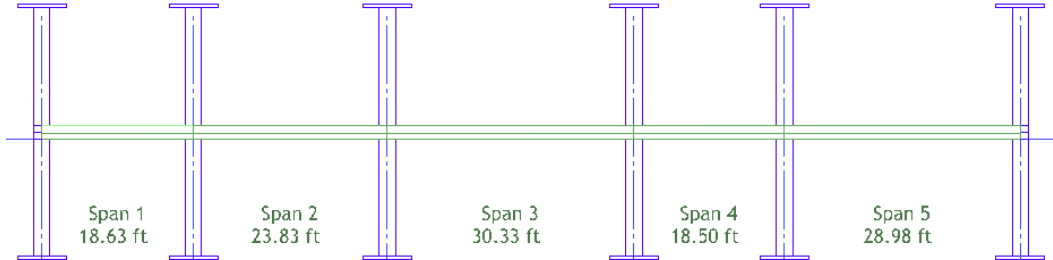
7.2 User-selected
 Bar Size # Legs:



7.3 Required area
 [in²/ft]

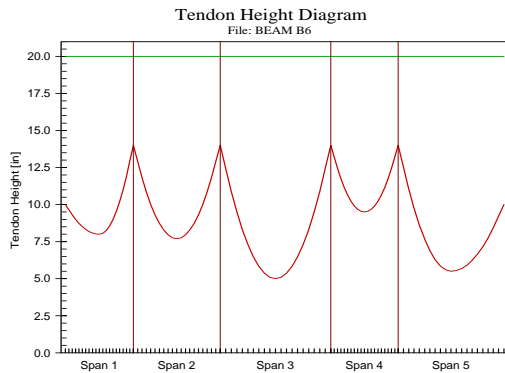


AREA 2 BEAM B9

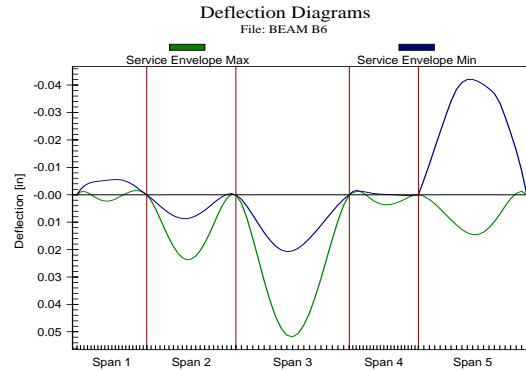


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	18.63	60.00	20.00	312.56	12.00	20.00	0.35	0.65
2	2	23.83	60.00	20.00	312.56	12.00	20.00	0.35	0.65
3	2	30.33	60.00	20.00	234.56	12.00	20.00	0.13	0.87
4	2	18.50	60.00	20.00	312.56	10.00	20.00	0.35	0.65
5	2	28.98	60.00	20.00	234.56	10.00	20.00	0.13	0.87

GEOMETRY



**POST-TENSIONING
 PROFILE**

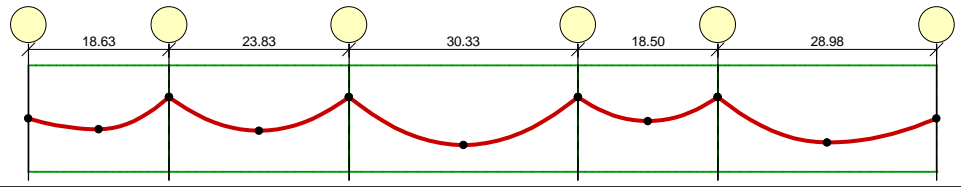


DEFLECTION

Span	Class	Type	W	A	F
			k/ft2	ft	k
1	LL	U	0.082		
1	SDL	U	0.015		
2	LL	U	0.082		
2	SDL	U	0.015		
3	LL	U	0.082		
3	SDL	U	0.015		
3	SDL	C		4.000	8.000
3	SDL	C		12.000	8.000
4	LL	U	0.082		
4	SDL	U	0.015		
4	SDL	C		6.000	13.000
4	SDL	C		17.000	13.000
5	LL	U	0.050		
5	SDL	U	0.015		

INPUT APPLIED LOADING

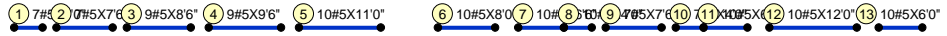
2 - MEMBER ELEVATION
 [ft]



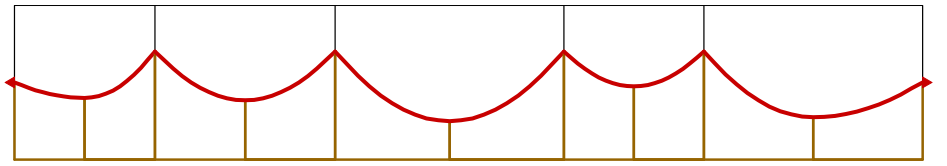
3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



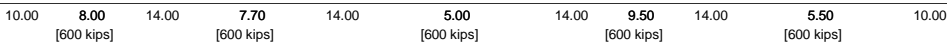
4 - TENDON PROFILE



4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

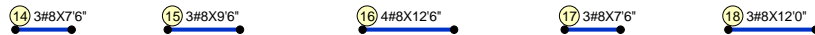
4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected



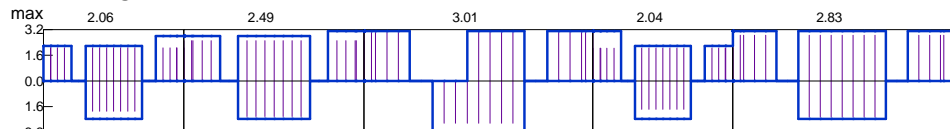
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

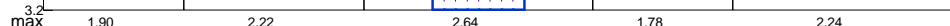
[in²]

required

provided



6.2 Bottom Bars



7 - SHEAR STIRRUPS

7.1 ADAPT selected.

Bar Size # 4 Legs: 2

Spacing [in]



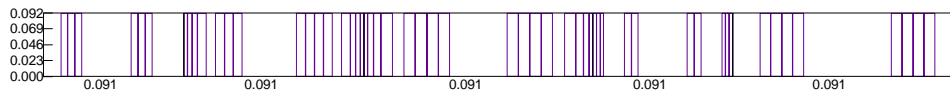
7.2 User-selected

Bar Size # Legs:

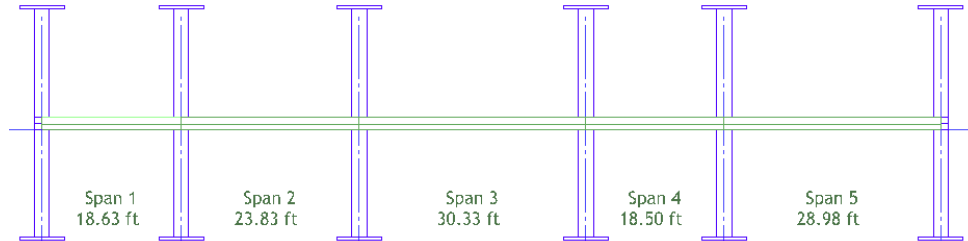


7.3 Required area

[in²/ft]

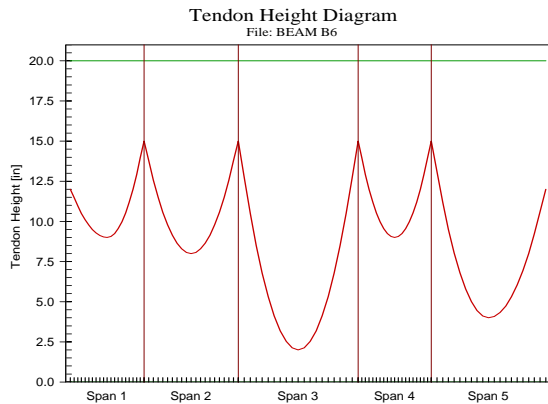


AREA 2 BEAM B10

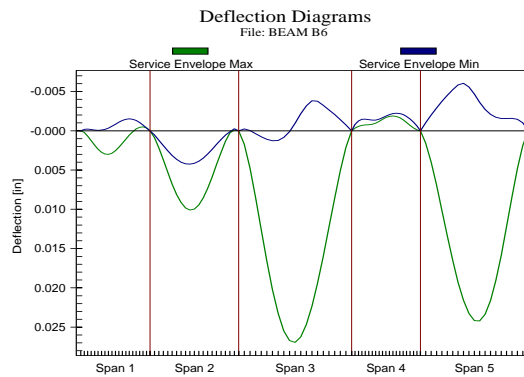


Span	Form	Length	Width	Depth	TF Width	TF Thick.	Rh	Right Mult.	Left Mult.
		ft	in	in	in	in	in		
1	2	18.63	40.00	20.00	224.56	12.00	20.00	0.09	0.91
2	2	23.83	40.00	20.00	224.56	12.00	20.00	0.09	0.91
3	2	30.33	40.00	20.00	224.56	12.00	20.00	0.09	0.91
4	2	18.50	40.00	20.00	224.56	10.00	20.00	0.09	0.91
5	2	28.98	40.00	20.00	224.56	10.00	20.00	0.09	0.91

GEOMETRY



POST-TENSIONING PROFILE

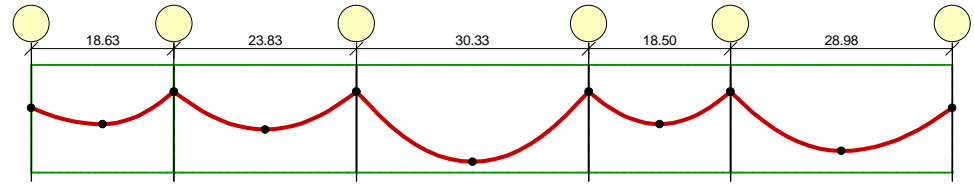


DEFLECTION

Span	Class	Type	W	A	F
			k/ft2	ft	k
1	LL	U	0.050		
1	SDL	U	0.015		
2	LL	U	0.050		
2	SDL	U	0.015		
3	LL	U	0.050		
3	SDL	U	0.015		
3	SDL	C		4.000	5.000
3	SDL	C		12.000	5.000
4	LL	U	0.050		
4	SDL	U	0.015		
4	SDL	C		6.000	16.000
4	SDL	C		17.000	16.000
5	LL	U	0.050		
5	SDL	U	0.015		

INPUT APPLIED LOADING

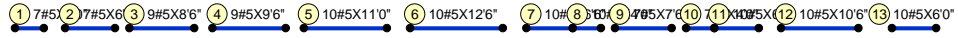
2 - MEMBER ELEVATION
 [ft]



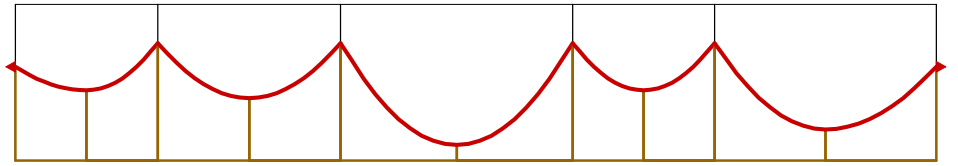
3 - TOP REBAR

3.1 ADAPT selected

3.2 ADAPT selected



4 - TENDON PROFILE



4.1 Datum Line

4.2 CGS Distance A[in]

4.3 Force A



4.6 CGS Distance B[in]

4.7 Force B

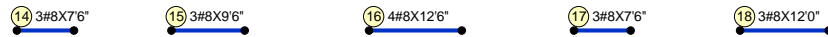
4.10 CGS Distance C[in]

4.11 Force C

5 - BOTTOM REBAR

5.1 ADAPT selected

5.2 ADAPT selected



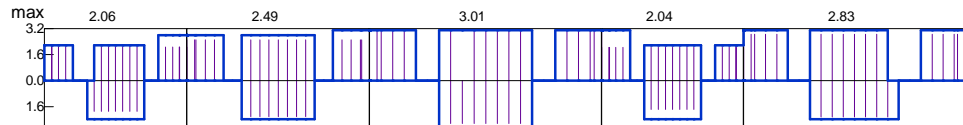
6 - REQUIRED & PROVIDED BARS

6.1 Top Bars

[in²]

required

provided



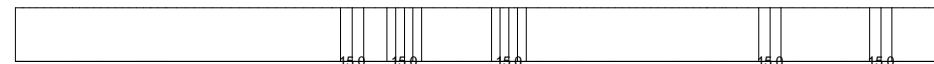
6.2 Bottom Bars

7 - SHEAR STIRRUPS

7.1 ADAPT selected.

Bar Size # 4 Legs: 2

Spacing [in]



7.2 User-selected

Bar Size # Legs:

7.3 Required area

[in²/ft]

