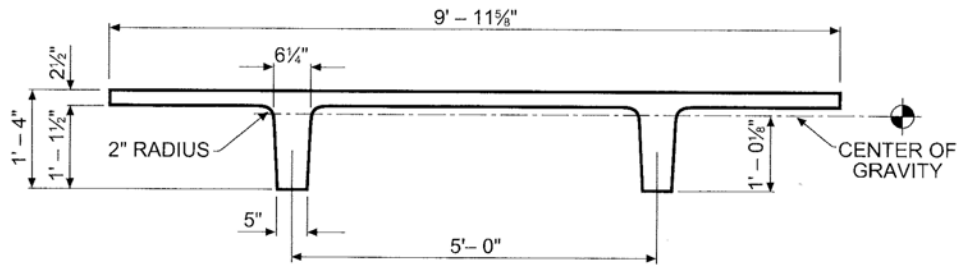


16" DOUBLE TEE



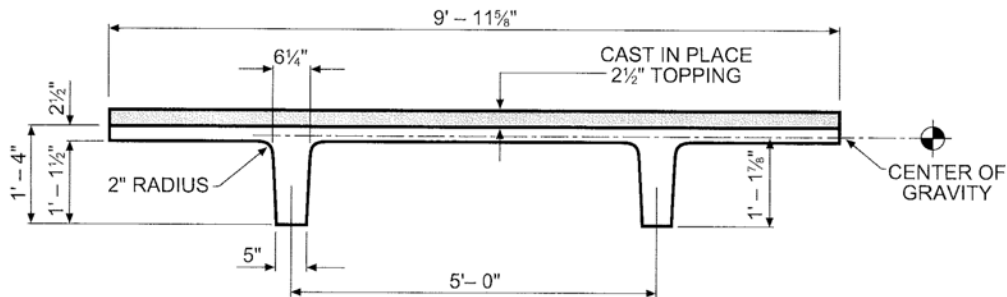
16" Section Untopped

SECTION PROPERTIES

SECTION	16" DT UNTOPPED
Ag (in ²)	454.3
I (in ⁴)	8,500
Yb (in)	12.14
WT (psf) @ 155 pcf	48.9

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)			
	25	30	35	40
4	85	45	-	-
6	-	85	50	-
8	-	115	70	40
10	-	-	95	60



16" Section with Composite Topping

SECTION PROPERTIES

SECTION	16" DT W/ 2 1/2" TOPPING
Ag (in ²)	685.9
I (in ⁴)	12,614
Yb (in)	13.87
WT (psf) @ 155 pcf	81.1

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)			
	25	30	35	40
4	80	30	-	-
6	-	70	25	-
8	-	110	55	-
10	-	-	90	45

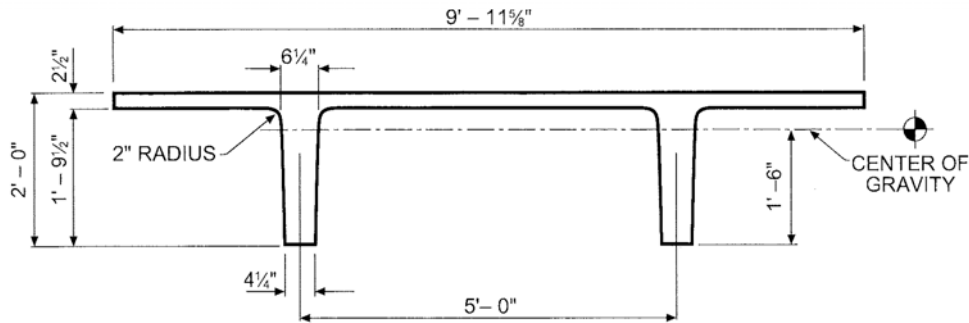
LOAD TABLE GENERAL NOTES:

Self weight of member is included
 F'c = 6000 psi (at 28 days)
 F'ci = 5000 psi (at release)
 Concrete and topping = 155 pcf
 Topping weight = 32 psf

Stress each strand to 0.70Fy (28.9k)
 Harp location at midpoint of span
 Harped strand C.G.=4" from bottom of stem
 Total shear reinforcing, As = 0.116 in²/ft
 Topping F'c = 3000 psi (at 28 days)

Load table values are uniform superimposed live loads with no section modifications to the member
 Composite section properties are transformed section properties
 The above assumptions are for the purposes of these load tables
 *Consult Oldcastle Precast for special design requirements

24" DOUBLE TEE



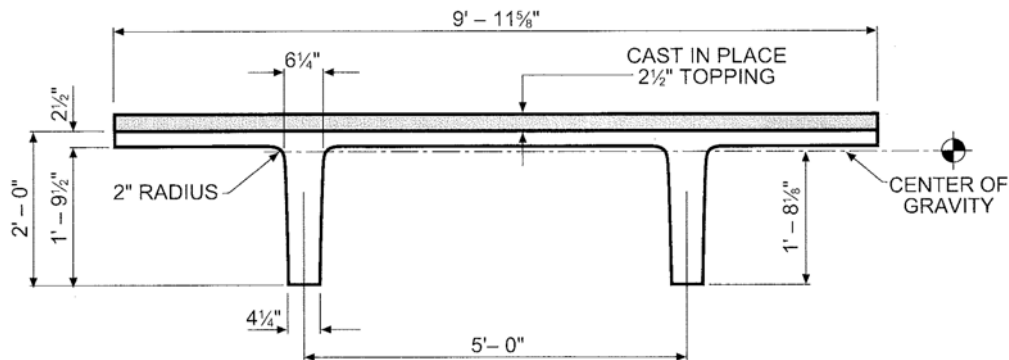
24" Section Untopped

SECTION PROPERTIES

SECTION	24" DT UNTOPPED
Ag (in ²)	528.2
I (in ⁴)	25,260
Yb (in)	17.90
WT (psf) @ 155 pcf	56.8

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)							
	35	40	45	50	55	60	65	70
10	175	120	80	55	35	-	-	-
12	-	145	100	70	50	30	-	-
14	-	-	120	85	60	40	-	-
16	-	-	-	-	75	55	35	-
18	-	-	-	-	-	65	50	35



24" Section with Composite Topping

SECTION PROPERTIES

SECTION	24" DT W/ 2 1/2" TOPPING
Ag (in ²)	759.9
I (in ⁴)	34,073
Yb (in)	20.14
WT (psf) @ 155 pcf	89.1

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)						
	35	40	45	50	55	60	65
10	175	110	60	30	-	-	-
12	-	135	85	50	-	-	-
14	-	-	125*	70	40	-	-
16	-	-	-	-	60	35	-
18	-	-	-	-	-	50	25

LOAD TABLE GENERAL NOTES:

Self weight of member is included

F^{'c} = 6000 psi (at 28 days)

F^{'ci} = 5000 psi (at release)

Concrete and topping = 155 pcf

Topping weight = 32 psf

Load table values are uniform superimposed live loads with no section modifications to the member

Consult Oldcastle Precast for special design requirements

The above assumptions are for the purposes of these load tables

*Consult Oldcastle Precast for special design requirements

Stress each strand to 0.70F_y (28.9k)

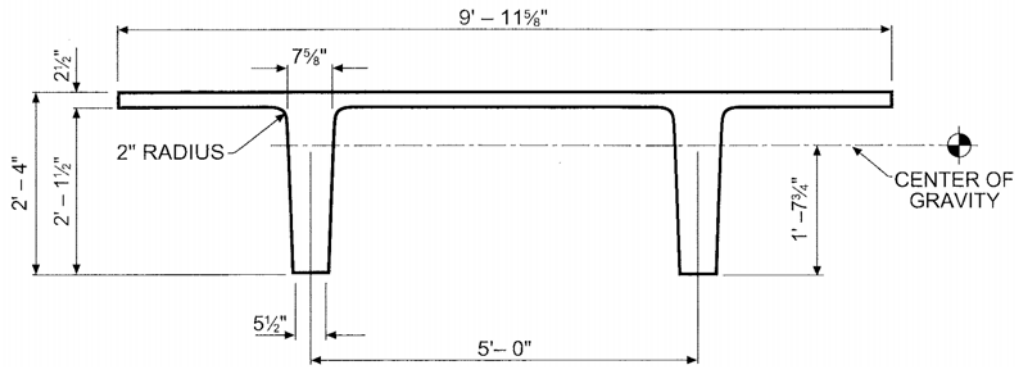
Harp location at midpoint of span

Harped strand C.G.=4" from bottom of stem

Total shear reinforcing, A_s = 0.116 in²/ft

Topping F^{'c} = 3000 psi (at 28 days)

28" DOUBLE TEE



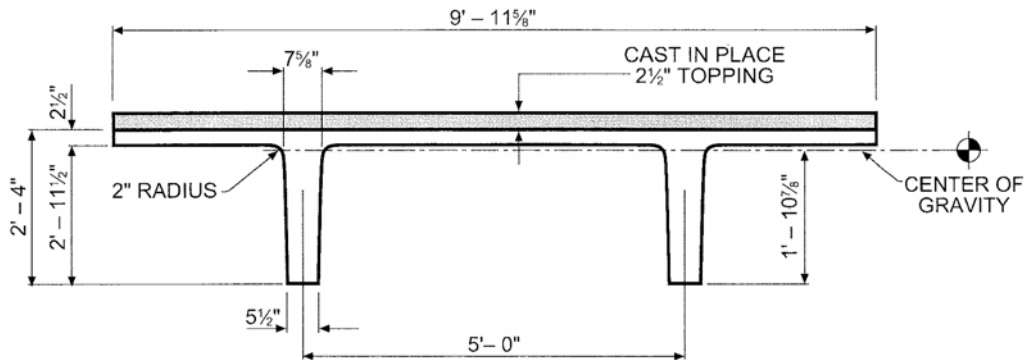
28" Section Untopped

SECTION PROPERTIES

SECTION	28" DT UNTOPPED
Ag (in ²)	634.2
I (in ⁴)	45,838
Yb (in)	19.77
WT (psf) @ 155 pcf	68.3

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)							
	40	45	50	55	60	65	70	75
12	185	130	95	65	45	-	-	-
14	-	155	110	80	55	35	-	-
16	-	-	130	95	70	50	35	-
18	-	-	-	115	85	60	45	30
20	-	-	-	-	100	75	55	40



28" Section with Composite Topping

SECTION PROPERTIES

SECTION	28" DT W/ 2 1/2" TOPPING
Ag (in ²)	936.0
I (in ⁴)	64,556
Yb (in)	22.85
WT (psf) @ 155 pcf	100.6

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)						
	40	45	50	55	60	65	70
12	180	115	70	40	-	-	-
14	-	150	100	60	30	-	-
16	-	-	125	80	50	25	-
18	-	-	-	125*	70	40	-
20	-	-	-	-	85	55	30

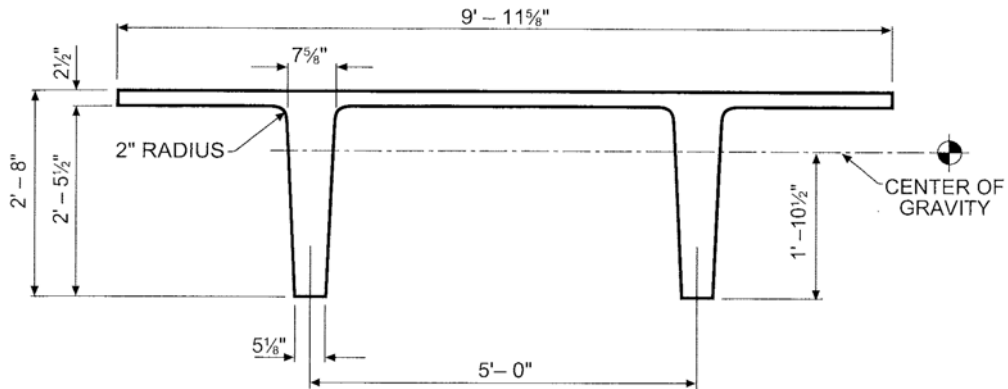
LOAD TABLE GENERAL NOTES:

Self weight of member is included
 F'c = 6000 psi (at 28 days)
 F'ci = 5000 psi (at release)
 Concrete and topping = 155 pcf
 Topping weight = 32 psf

Load table values are uniform superimposed live loads with no section modifications to the member
 Composite section properties are transformed section properties
 The above assumptions are for the purposes of these load tables
 *Consult Oldcastle Precast for special design requirements

Stress each strand to 0.70Fy (28.9k)
 Harp location at midpoint of span
 Harped strand C.G. = 4" from bottom of stem
 Total shear reinforcing, As = 0.116 in²/ft
 Topping F'c = 3000 psi (at 28 days)

32" DOUBLE TEE



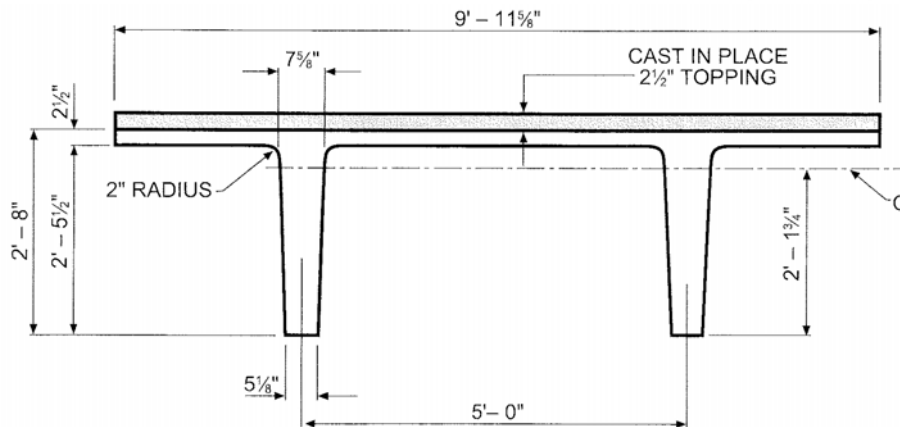
32" Section Untopped

SECTION PROPERTIES

SECTION	32" DT UNTOPPED
Ag (in ²)	676.3
I (in ⁴)	64,548
Yb (in)	22.42
WT (psf) @ 155 pcf	72.8

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)						
	60	65	70	75	80	85	90
20	125	95	70	50	35	-	-
22	-	110	85	65	45	30	-
24	-	-	95	75	55	40	30
26	-	-	-	85	65	50	35
28	-	-	-	-	75	55	40



32" Section with Composite Topping

SECTION PROPERTIES

SECTION	32" DT W/ 2 1/2" TOPPING
Ag (in ²)	978.0
I (in ⁴)	89,370
Yb (in)	25.79
WT (psf) @ 155 pcf	105.1

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2"Ø 270 ksi Strand	SPAN (ft.)					
	60	65	70	75	80	85
20	125*	75	50	25	-	-
22	-	125*	70	45	25	-
24	-	-	80	50	30	-
26	-	-	-	65	40	25
28	-	-	-	-	60	35

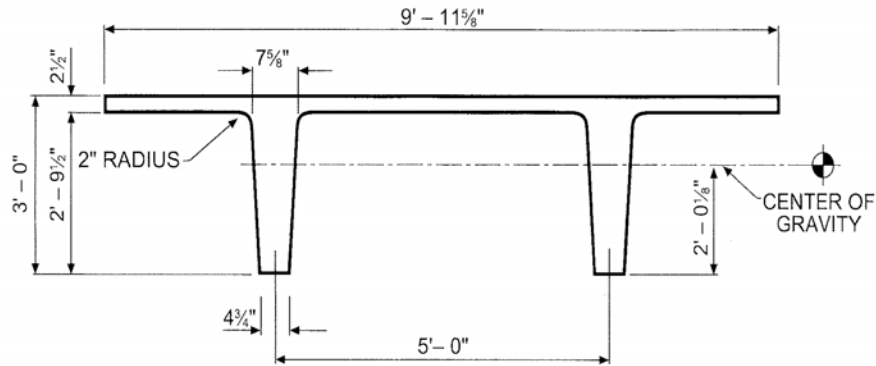
LOAD TABLE GENERAL NOTES:

Self weight of member is included
 F'c = 6000 psi (at 28 days)
 F'ci = 5000 psi (at release)
 Concrete and topping = 155 pcf
 Topping weight = 32 psf

Load table values are uniform superimposed live loads with no section modifications to the member
 Composite section properties are transformed section properties
 The above assumptions are for the purposes of these load tables
 *Consult Oldcastle Precast for special design requirements

Stress each strand to 0.70Fy (28.9k)
 Harp location at midpoint of span
 Harped strand C.G.=4" from bottom of stem
 Total shear reinforcing, As = 0.116 in²/ft
 Topping F'c = 3000 psi (at 28 days)

36" DOUBLE TEE



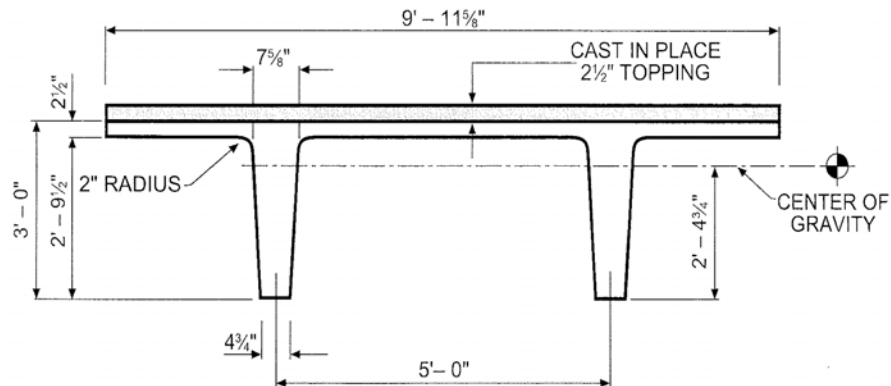
36" Section Untopped

SECTION PROPERTIES

SECTION	36" DT UNTOPPED
Ag (in ²)	715.7
I (in ⁴)	86,709
Yb (in)	25.08
WT (psf) @ 155 pcf	77.0

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2" ø 270 ksi Strand	SPAN (ft.)						
	70	75	80	85	90	95	100
22	100	80	60	45	30	-	-
24	115	90	70	50	40	25	-
26	-	100	80	60	45	35	-
28	-	-	90	70	55	40	30
30	-	-	-	80	60	50	35
32	-	-	-	-	-	55	40



36" Section with Composite Topping

SECTION PROPERTIES

SECTION	36" DT W/ 2 1/2" TOPPING
Ag (in ²)	1017.3
I (in ⁴)	118,461
Yb (in)	28.72
WT (psf) @ 155 pcf	109.3

MAXIMUM LIVE LOAD (PSF)

Total No. 1/2" ø 270 ksi Strand	SPAN (ft.)						
	70	75	80	85	90	95	100
22	85	60	35	-	-	-	-
24	100	70	50	30	-	-	-
26	125*	85	60	40	-	-	-
28	-	-	70	50	30	-	-
30	-	-	-	65	45	25	-
32	-	-	-	-	-	40	25

LOAD TABLE GENERAL NOTES:

Self weight of member is included
 F'c = 6000 psi (at 28 days)
 F'ci = 5000 psi (at release)
 Concrete and topping = 155 pcf
 Topping weight = 32 psf

Load table values are uniform superimposed live loads with no section modifications to the member

Composite section properties are transformed section properties

The above assumptions are for the purposes of these load tables

*Consult Oldcastle Precast for special design requirements

Stress each strand to 0.70Fy (28.9k)

Harp location at midpoint of span

Harped strand C.G. = 4" from bottom of stem

Total shear reinforcing, As = 0.116 in²/ft

Topping F'c = 3000 psi (at 28 days)