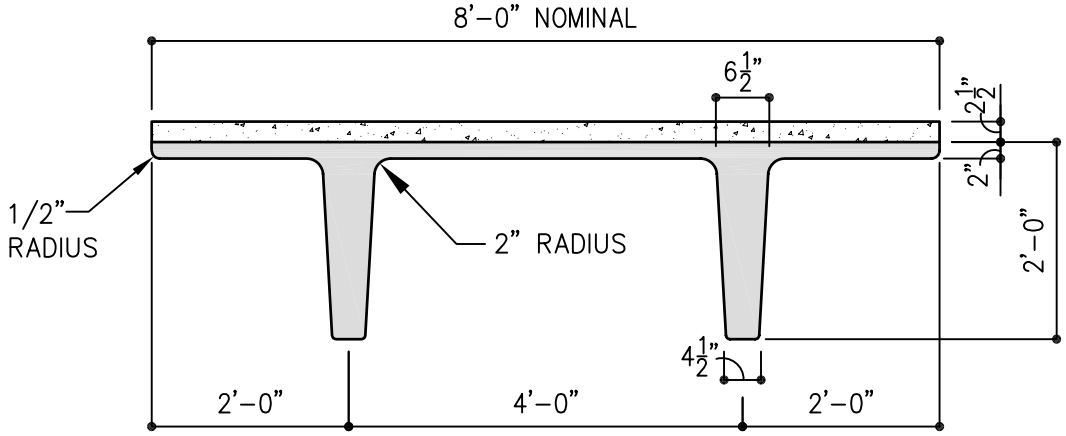
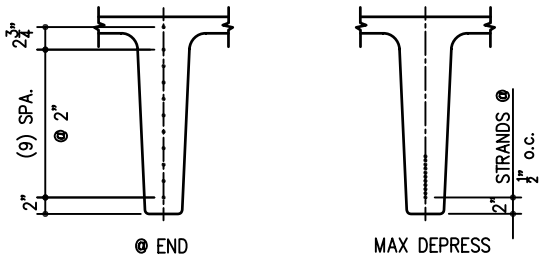
8 FT. DOUBLE TEE
8DT24



NOTES:

1. LOAD/SPAN TABLE: ALLOWABLE LIVE LOAD CAPACITY SHOWN IS IN ADDITION TO SDL OF 15 PSF. SPANS SHOWN ARE FOR UNSHORED CONSTRUCTION. (SEE DESIGN COMMENTARY)

2. STRAND LOCATIONS: SECTIONS SHOULD TYPICALLY BE DESIGNED WITH DEPRESSED STRAND FOR ECONOMY AND TO HELP REDUCE REQUIRED RELEASE STRENGTHS.

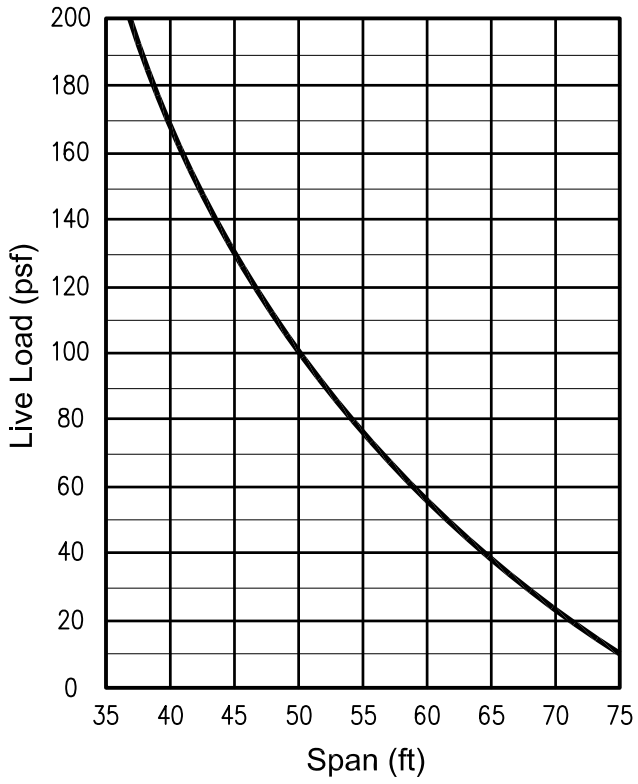


3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 8DT REINFORCING DETAILS)

SECTION PROPERTIES

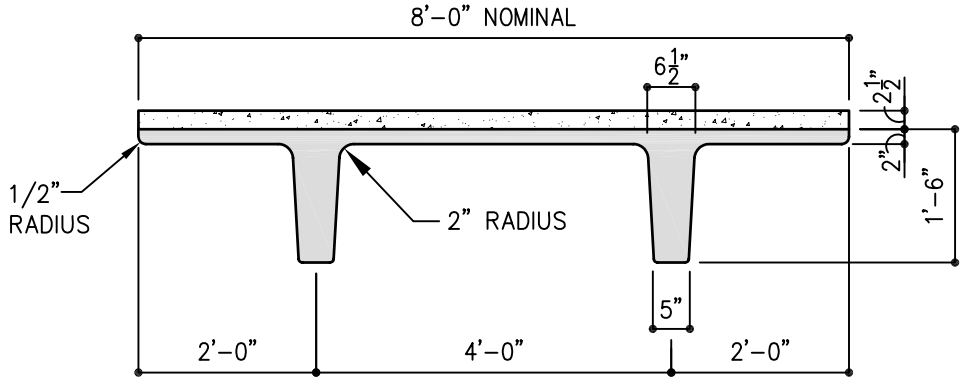
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	436	23468	16.75	7.25	1407	3206	469	59
COMPOSITE UNIT	630	33485	19.35	4.65	1731	7195	727	91

LOAD / SPAN TABLE



ISSUED:	HAWAII DOUBLE TEE	SHEET: 8DT24
REVISED:		

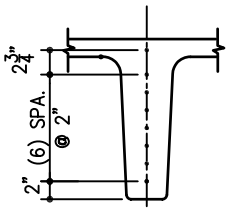
8 FT. DOUBLE TEE
8DT18



NOTES:

1. LOAD/SPAN TABLE: ALLOWABLE LIVE LOAD CAPACITY SHOWN IS IN ADDITION TO SDL OF 15 PSF. SPANS SHOWN ARE FOR UNSHORED CONSTRUCTION. (SEE DESIGN COMMENTARY)

2. STRAND LOCATIONS: SECTIONS SHOULD TYPICALLY BE DESIGNED WITH DEPRESSED STRAND FOR ECONOMY AND TO HELP REDUCE REQUIRED RELEASE STRENGTHS.



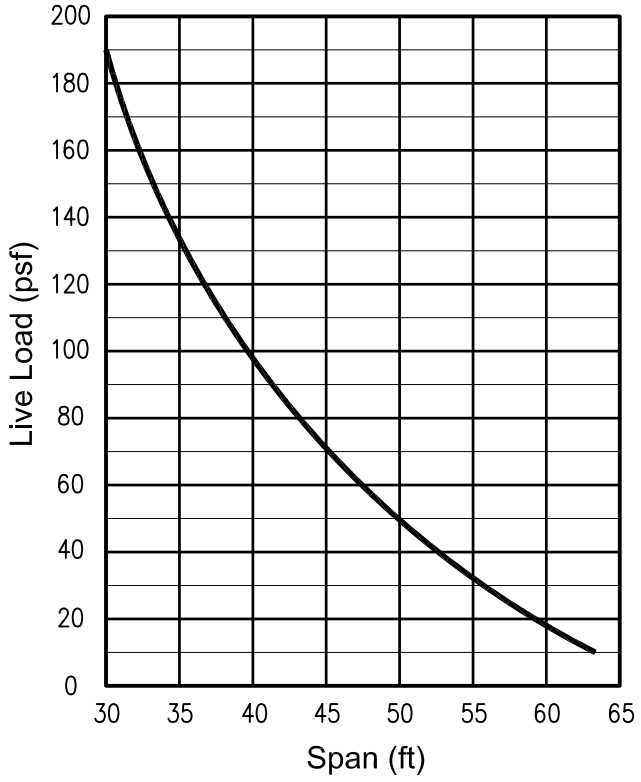
@ END MAX DEPRESS

3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 8DT REINFORCING DETAILS)

SECTION PROPERTIES

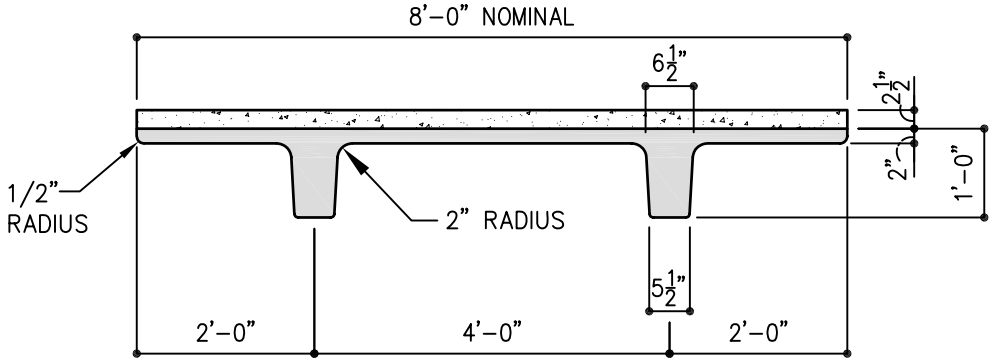
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	379	11001	12.77	5.23	862	2102	408	51
COMPOSITE UNIT	572	16519	14.99	3.01	1102	5483	665	83

LOAD / SPAN TABLE



ISSUED:	HAWAII DOUBLE TEE	SHEET: 8DT18
REVISED:		

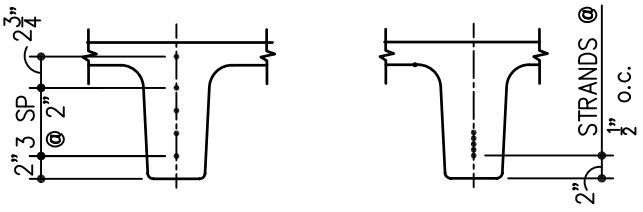
8 FT. DOUBLE TEE
8DT12



NOTES:

1. LOAD/SPAN TABLE: ALLOWABLE LIVE LOAD CAPACITY SHOWN IS IN ADDITION TO SDL OF 15 PSF. SPANS SHOWN ARE FOR UNSHORED CONSTRUCTION. (SEE DESIGN COMMENTARY)

2. STRAND LOCATIONS: SECTIONS SHOULD TYPICALLY BE DESIGNED WITH DEPRESSED STRAND FOR ECONOMY AND TO HELP REDUCE REQUIRED RELEASE STRENGTHS.



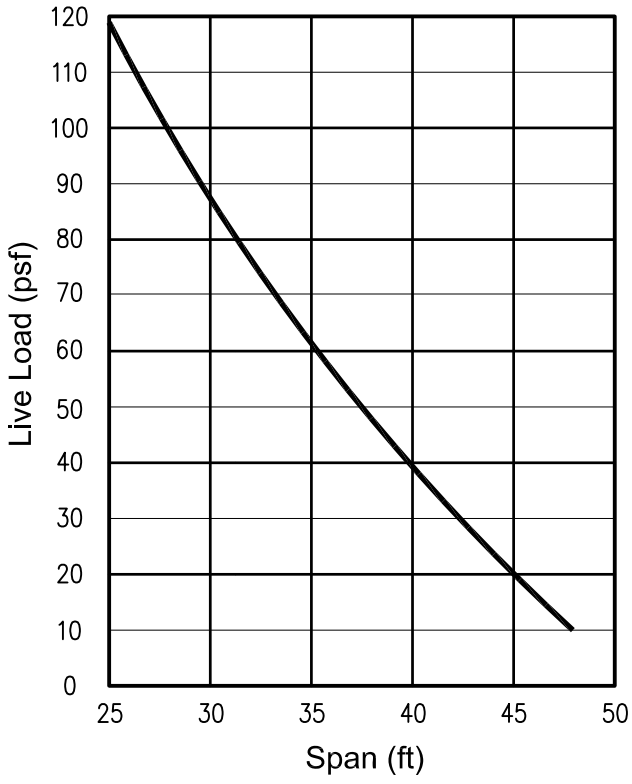
3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 8DT REINFORCING DETAILS)

4. SHEAR REINFORCING: SHEAR REINFORCING MAY GOVERN ON SHORTER SPANS.

SECTION PROPERTIES

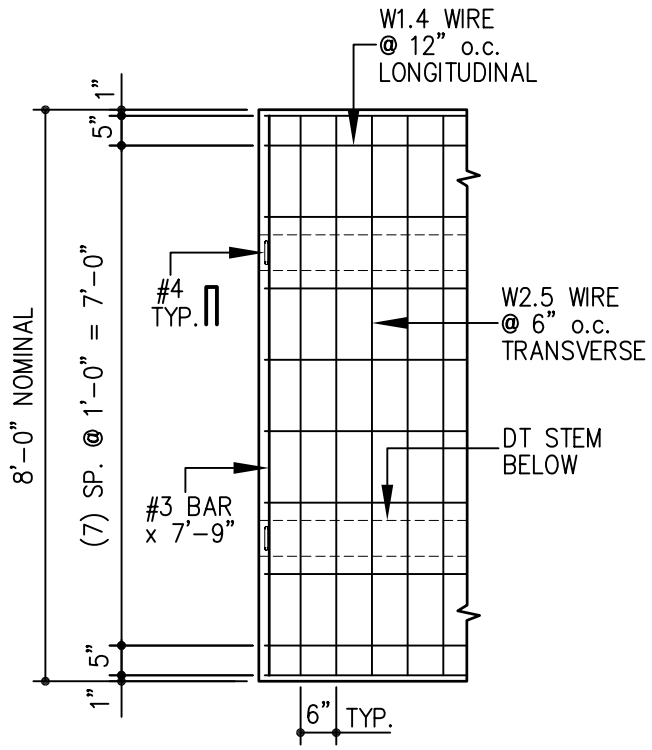
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	315	3598	8.75	3.25	411	1106	339	43
COMPOSITE UNIT	508	6143	10.48	1.52	586	4050	597	75

LOAD / SPAN TABLE

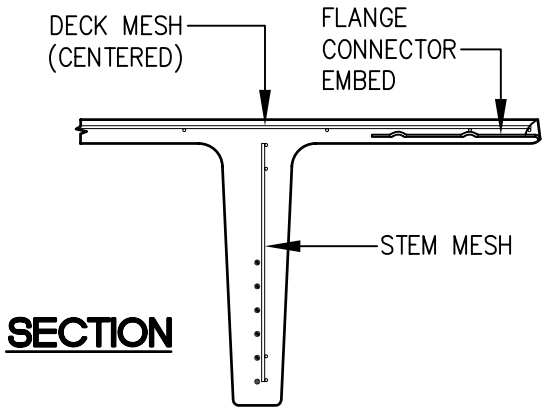


ISSUED:	**HAWAII DOUBLE TEE**	SHEET: **8DT12**
REVISED:		

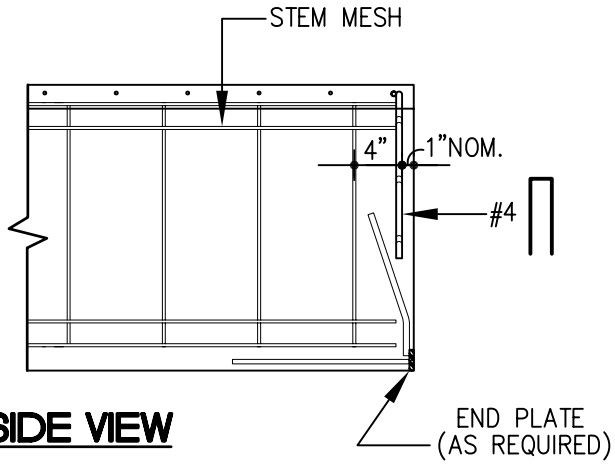
8 FT. DOUBLE TEE REINFORCING DETAILS



PLAN VIEW



SECTION



SIDE VIEW

NOTES:

1. REINFORCING DETAILS ARE SHOWN FOR GENERAL DESIGN CONDITIONS TYPICALLY CONSISTING OF UNIFORM DISTRIBUTED LOADS. DESIGN WILL BE CHECKED FOR PROJECT SPECIFIC REQUIREMENTS.

2. DOUBLE TEE MAY REQUIRE SHEAR MESH AT END REGIONS ONLY. CONSULT GPRM Prestress FOR SPECIFIC DESIGN INFORMATION.

3. HIGHER SHEAR LOADS CAN BE ACCOMMODATED UTILIZING (2) LAYERS OF STANDARD STEM MESH, PROVIDING A CUSTOM MESH OR INTRODUCING MILD STEEL REINFORCING.

4. FLANGE CONNECTORS ARE NOMINALLY SPACED AT 8'-0" o.c. AND ASSIST WITH ERECTION STABILITY, ALIGNMENT AND LOAD TRANSFER. THEY ARE GENERALLY NOT INCLUDED IN THE FINAL DESIGN ANALYSIS.

5. STANDARD END CONFINEMENT/BEARING PLATES ARE PROVIDED AS NEEDED. SPECIAL CONDITIONS SUCH AS DAPS & CAST-IN ENDS ARE ADDRESSED WITH CUSTOM SOLUTIONS.

STANDARD MESH:

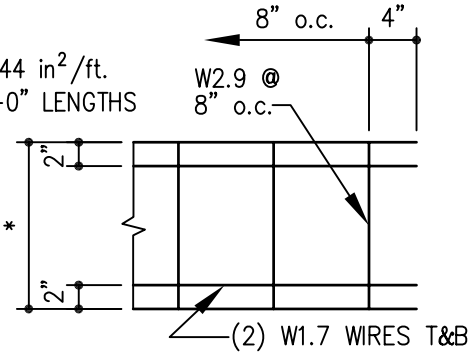
DECK MESH

(SEE PLAN VIEW DETAIL ABOVE)
12 x 6 – W1.4 x W2.5
SHEET SIZE= 7'-10" x 20'-0"
Fy = 65 ksi
LONGITUDINAL A_S =0.014 in^2/ft.
TRANSVERSE A_S =0.049 in^2/ft.

STEM MESH

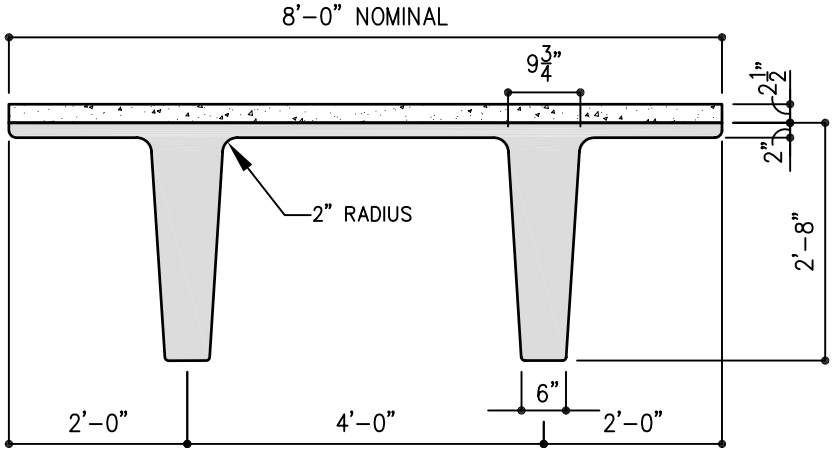
Fy = 65 ksi
A_S PROVIDED=0.044 in^2/ft.
SHEET SIZE= 10'-0" LENGTHS

* = 20"-DT24
= 14"-DT18
= 8" -DT12



ISSUED:	HAWAII DOUBLE TEE	SHEET: 8DTR
REVISED:		

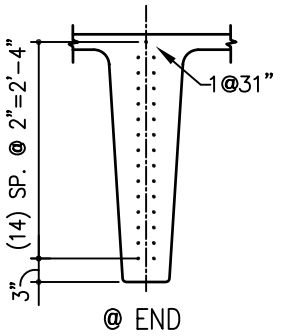
8 FT. DOUBLE TEE
8DT32



NOTES:

1. LOAD/SPAN TABLE: ALLOWABLE LIVE LOAD CAPACITY SHOWN IS IN ADDITION TO SDL OF 15 PSF. SPANS SHOWN ARE FOR UNSHORED CONSTRUCTION. (SEE DESIGN COMMENTARY)

2. STRAND LOCATIONS: 8DT32 SECTION TYPICALLY USES A STRAIGHT STRAND PROFILE. A SINGLE ROW OF CENTERED STRANDS CAN ALSO BE USED. DEBONDING OF STRAND WILL COMMONLY BE REQUIRED TO REDUCE STRESSES.

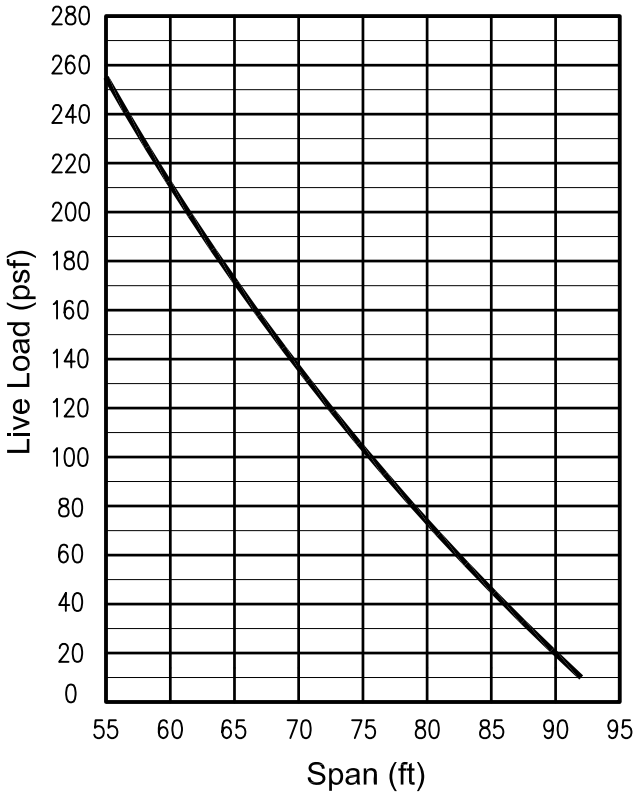


3. STANDARD REINFORCING: DECK MESH PER STANDARD 8DT PRODUCTS IS TYPICALLY USED (SEE 8DT REINFORCING SHEET). STEM REINFORCING IS ADDRESSED ON A CUSTOM BASIS TO REFLECT PROJECT REQUIREMENTS. CONSULT GPRM Prestress.

SECTION PROPERTIES

	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	665	64775	20.47	11.53	3164	5618	716	90
COMPOSITE UNIT	860	89595	23.38	8.62	3832	10394	974	122

LOAD / SPAN TABLE



ISSUED:	HAWAII DOUBLE TEE	SHEET: 8DT32
REVISED:		