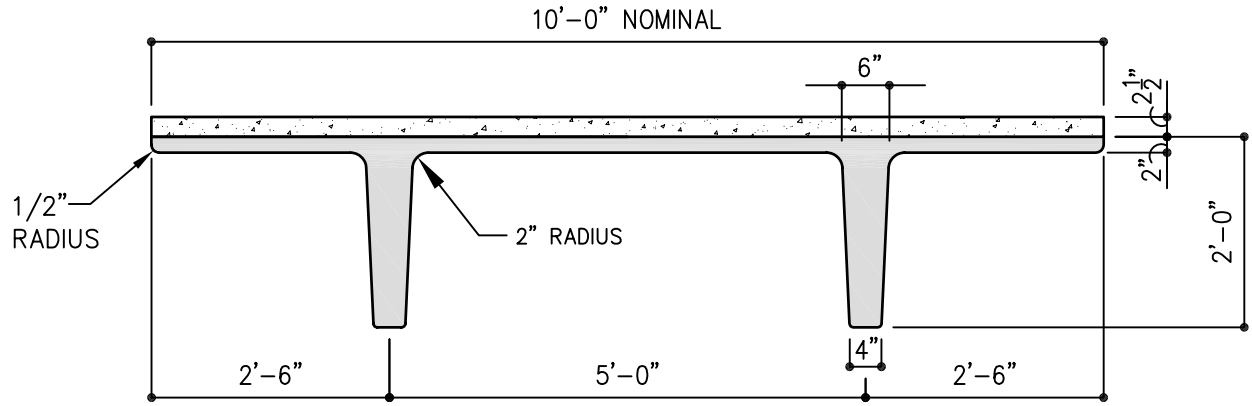
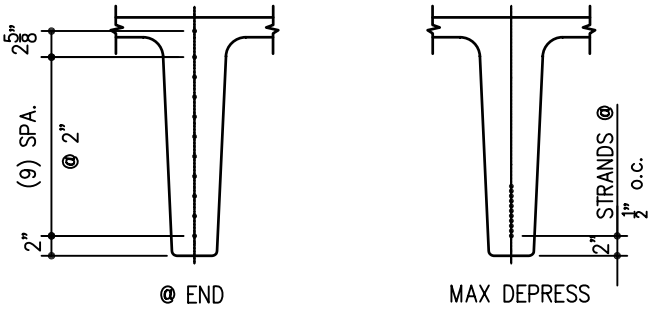
10 FT. DOUBLE TEE
10DT24



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.

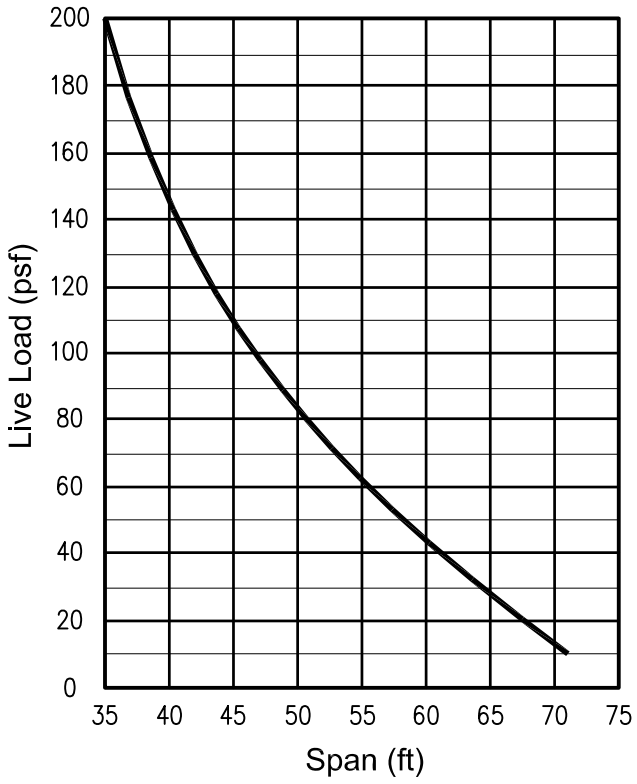


3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 10DT REINFORCING DETAILS)

SECTION PROPERTIES

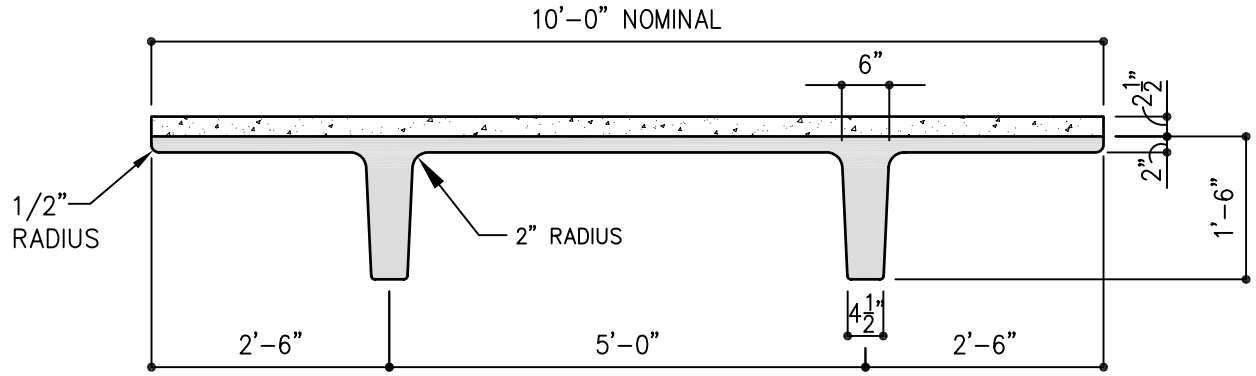
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	462	23405	17.61	6.39	1329	3664	497	50
COMPOSITE UNIT	705	32859	20.27	3.73	1621	8799	820	82

LOAD / SPAN TABLE



ISSUED:	HAWAII DOUBLE TEE	SHEET: 10DT24
REVISED:		

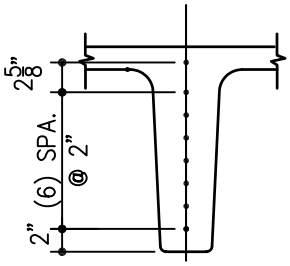
10 FT. DOUBLE TEE
10DT18



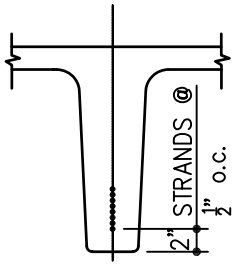
NOTES:

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



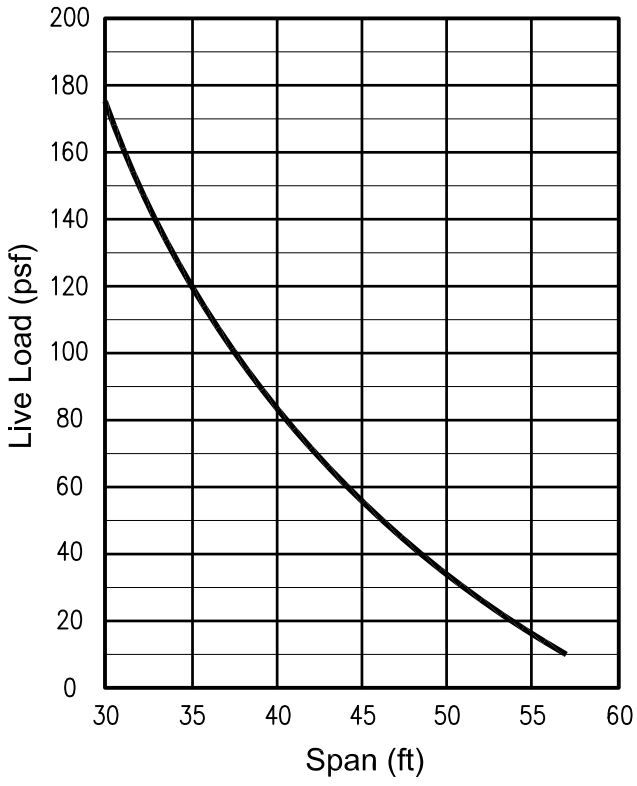
MAX DEPRESS

3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 10DT REINFORCING DETAILS)

SECTION PROPERTIES

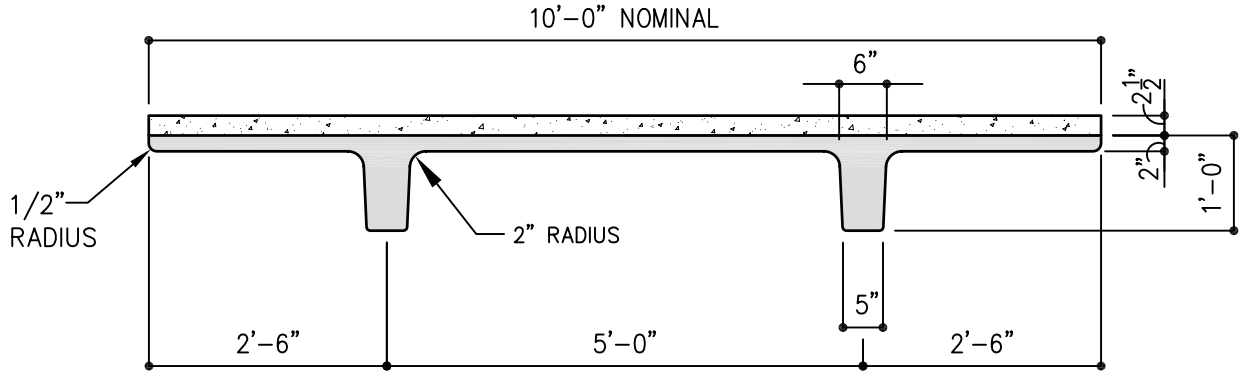
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	410	10981	13.45	4.55	816	2414	442	44
COMPOSITE UNIT	653	16256	15.63	2.37	1040	6849	765	77

LOAD / SPAN TABLE



ISSUED:	HAWAII DOUBLE TEE	SHEET: 10DT18
REVISED:		

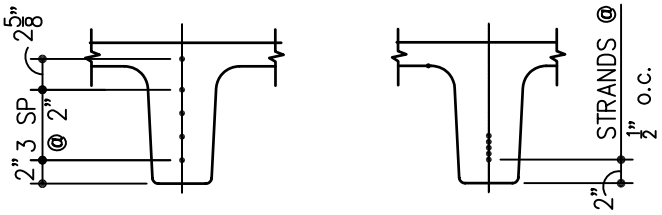
10 FT. DOUBLE TEE
10DT12



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.



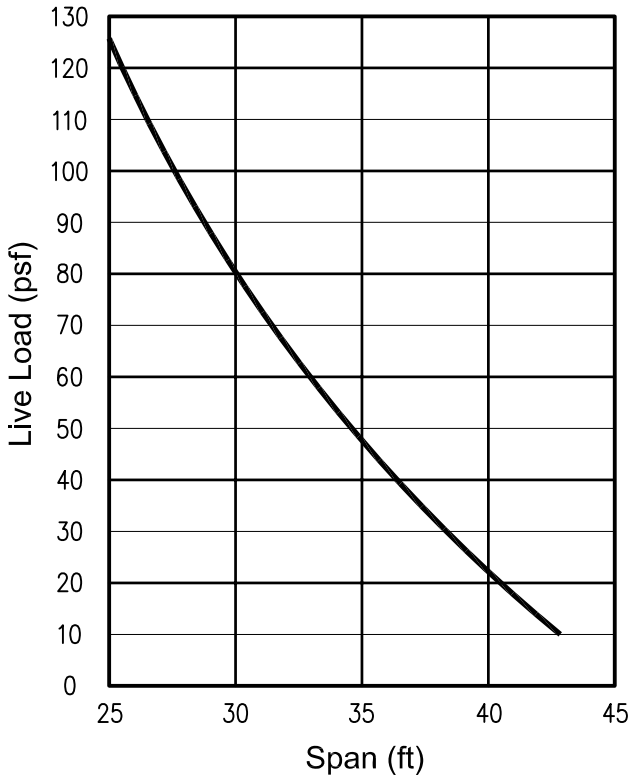
3. STANDARD REINFORCING: REINFORCING GENERALLY CONSISTING OF SPECIALTY MESH IS USED IN DOUBLE TEE PRODUCTION. (SEE 10DT REINFORCING DETAILS)

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

SECTION PROPERTIES

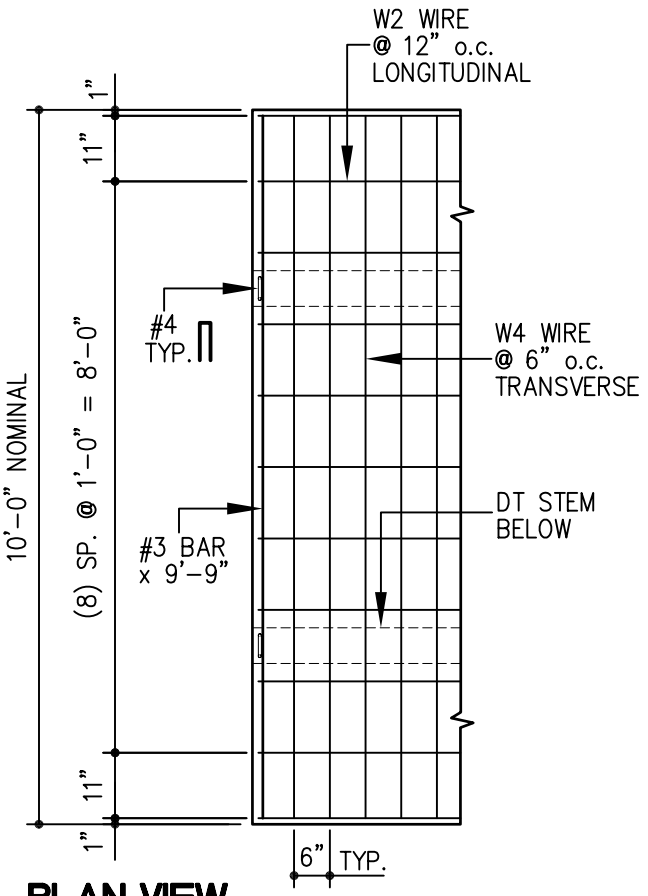
	A in^2	I in^4	Y_b in	Y_t in	S_b in^3	S_t in^3	WT plf	WT psf
STANDARD UNIT	353	3574	9.16	2.84	390	1259	379	38
COMPOSITE UNIT	595	6110	10.85	1.15	563	5290	702	70

LOAD / SPAN TABLE

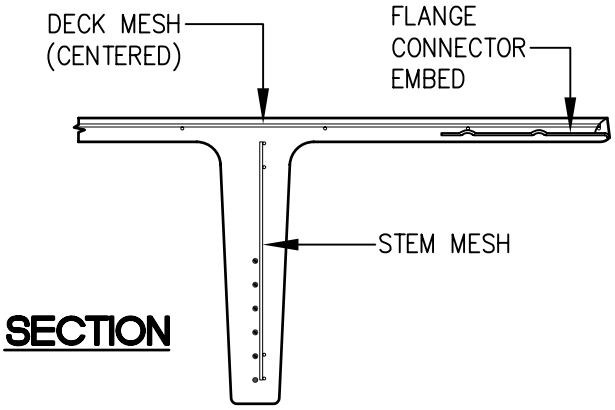


ISSUED:	**HAWAII DOUBLE TEE**	SHEET: **10DT12**
REVISED:		

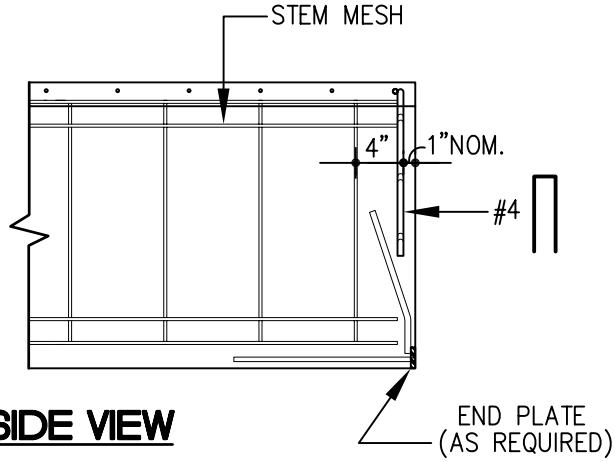
10 FT. DOUBLE TEE REINFORCING DETAILS



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.

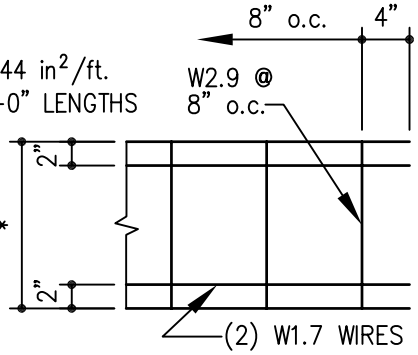
STANDARD MESH:

DECK MESH

(SEE PLAN VIEW DETAIL ABOVE)
12 x 6 – W2.0 x W4.0
SHEET SIZE= 9'-10" x 20'-0"
Fy = 65 ksi
LONGITUDINAL A_S =0.020 $in^2/ft.$
TRANSVERSE A_S =0.080 $in^2/ft.$

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: 10DTR
REVISED:		