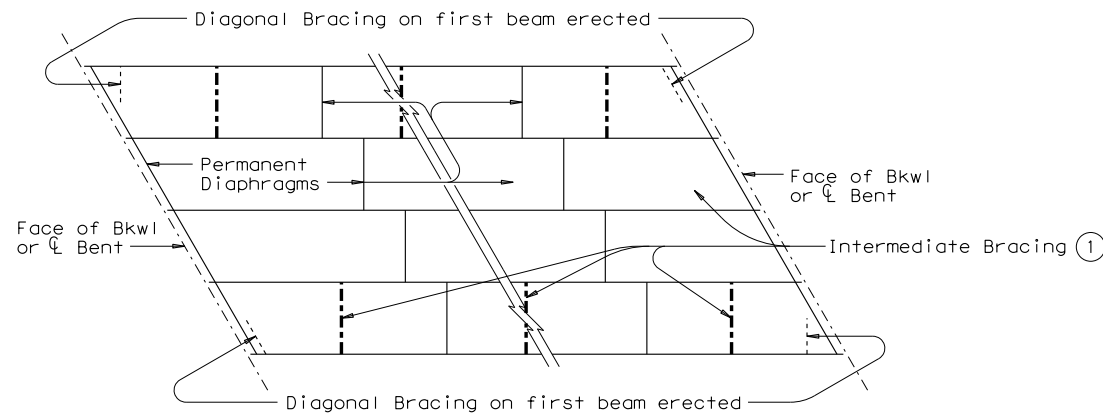


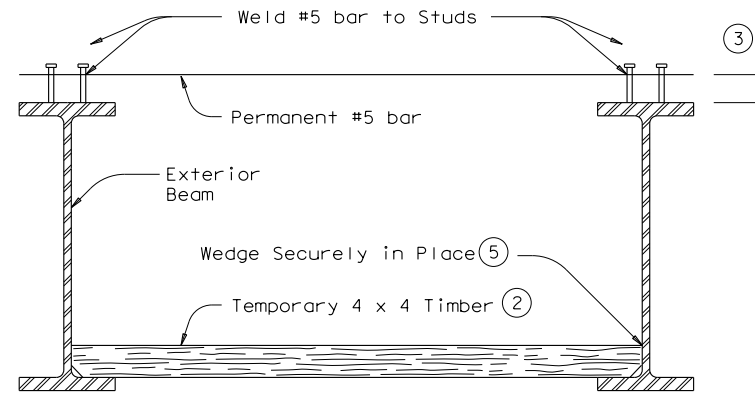
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DATE: FILE:



ERECTION AND SLAB PLACEMENT BRACING

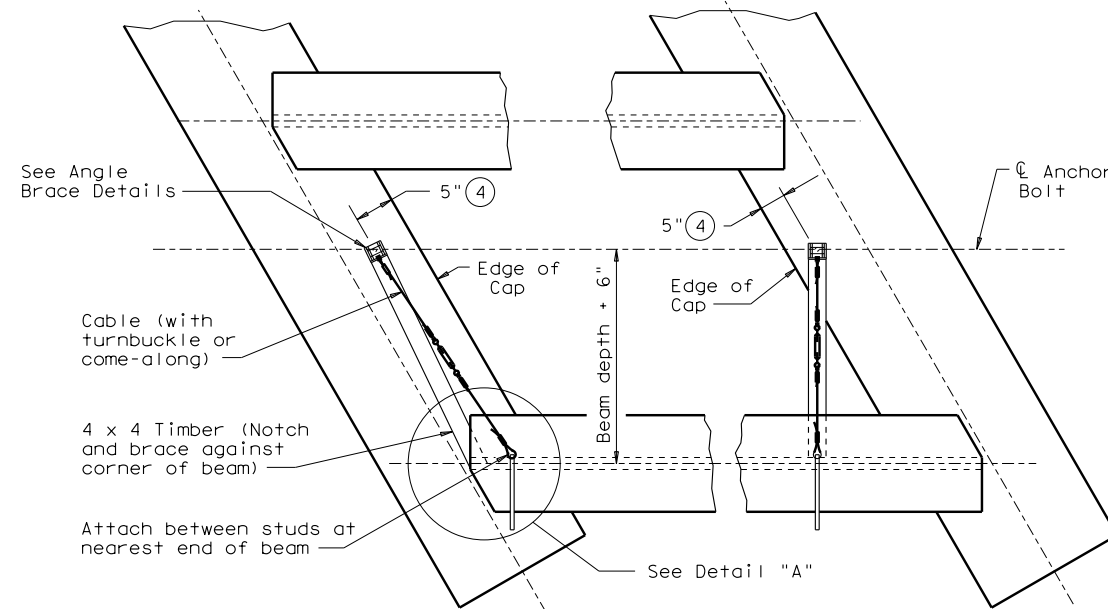
(Showing 30 ft Roadway, 24 and 28 ft Roadways similar)



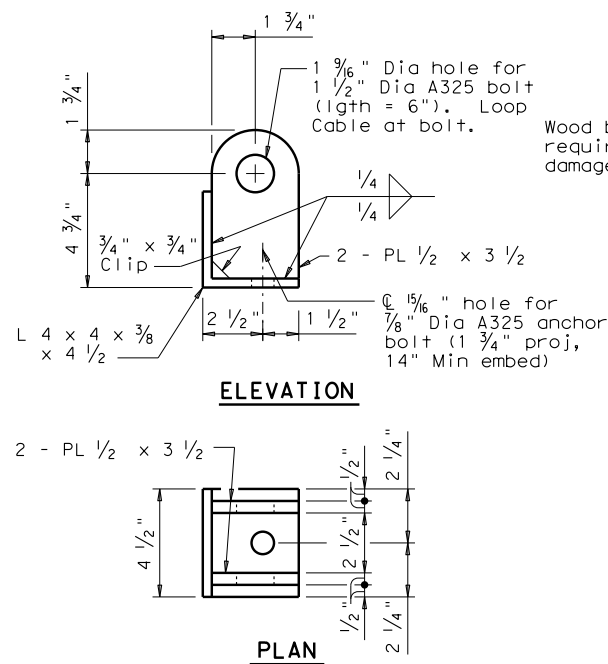
ELEVATION

INTERMEDIATE BRACING DETAILS ①

- ① Install in exterior bays prior to slab placement. Space equally between permanent diaphragms (12'-6" Max Spa).
- ② Pressure treated landscape timbers must not be used. Remove temporary bracing after deck is placed.
- ③ Place and weld #5 bars as shown during erection. If forming deck with prestressed panels, bars can be temporarily removed, one at a time, during panel erection. Re-install bar prior to additional panel erection. Bars can rest on panels and be bent down and welded to stud connectors.
- ④ It is acceptable to tie anchor bolts to cap reinforcement.
- ⑤ Use wedges as necessary to obtain tight fit. Nail wedges to timbers.
- ⑥ All hardware used with cable must be able to develop the minimum ultimate strength specified. Use thimbles at all loops in cable. Install cable clamps with saddles bearing against the live end and U-bolts bearing against the dead end.



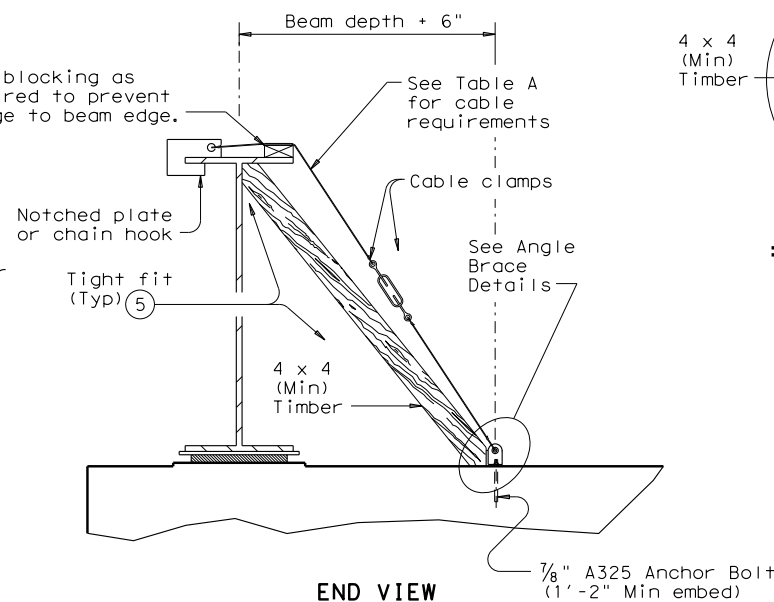
PLAN



ELEVATION

PLAN

ANGLE BRACE DETAILS



END VIEW

DIAGONAL BRACING DETAILS ②

(To be used on both ends of the first beam erected in the span.)

TABLE A	
Beam Type	Req Min Cable Ultimate Strength ⑥
W18 & W21	10.5 K
W24 & W27	14.3 K
W30 & W33	18.2 K
W36 & W40	20.8 K

GENERAL NOTES:

Permanent diaphragms shall be placed immediately after erection of each beam. Intermediate bracing shall remain in place until slab concrete has attained a compressive strength of 3,000 psi. All bracing required on this standard is considered subsidiary to Structural Steel (Rolled Beam).

The details shown on this sheet are applicable for use only with the Steel Beam Standard Designs shown on Standards SBSD-24, SBSD-28 and SBSD-30.

		Bridge Division Standard	
STANDARD ERECTION AND BRACING REQUIREMENTS STEEL BEAM SPANS			
SBBR			
FILE: sbstde01.dgn	DN: JMH	CK: TxDOT	DW: JTR
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REVISIONS			HIGHWAY
Rev. 02-06: Diagonal Brace	DIST	COUNTY	SHEET NO.