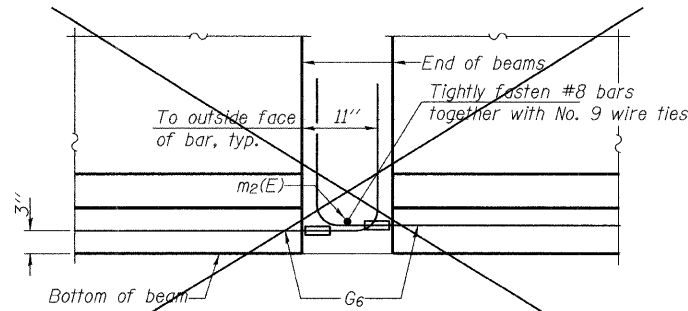


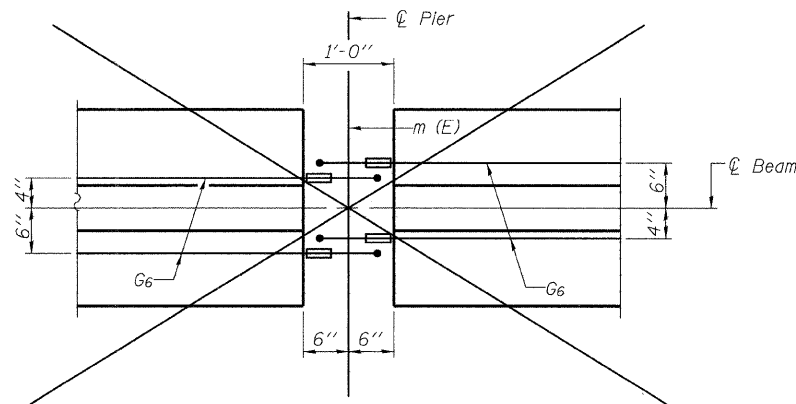
McHENRY COUNTY
DIVISION OF TRANSPORTATION

NOTES

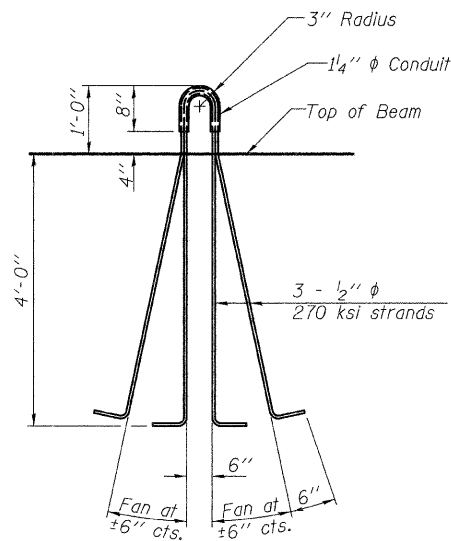
Inserts for 3/4" φ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.
 Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
 A minimum 2 1/2" φ lifting pin shall be used to engage the lifting loops during handling.
 Tilt G6 bars when necessary to maintain 1/2" clearance.
 The top and bottom plates shall be AASHTO M270 Grade 50.
 The bottom plates and studs shall be galvanized according to AASHTO M111.
 Threaded rods shall be ASTM F 1554 Grade 55.
 The G6 bar assembly shall have the threaded ends oversized to ensure no reduction in cross-sectional area after threading. The coupler splice shall be capable of developing 125 percent of the yield strength of the reinforcement bar.



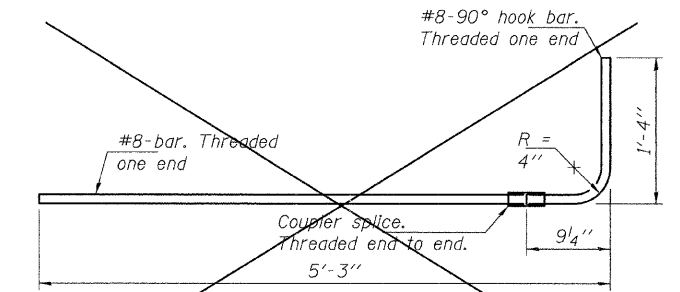
ELEVATION OF BEAM AT PIER



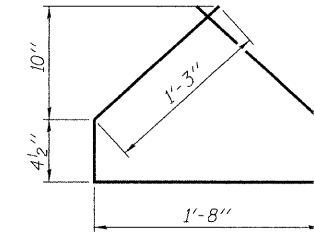
PLAN OF BEAM AT PIER



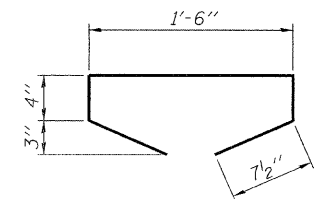
LIFTING LOOP DETAIL



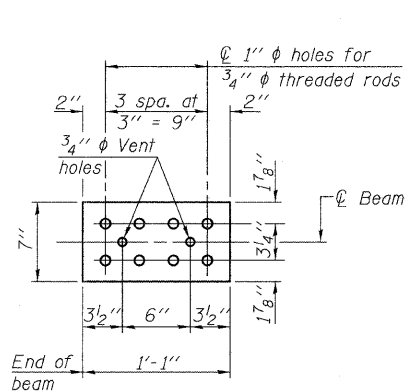
G6 BAR ASSEMBLY



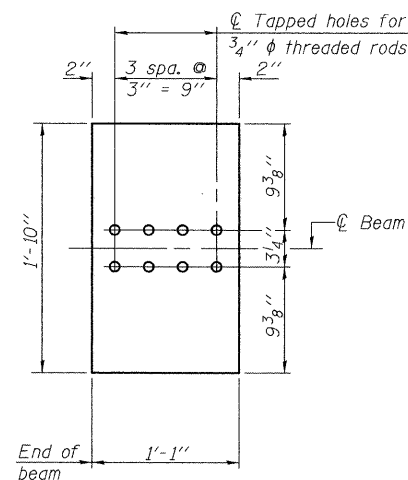
BAR G4



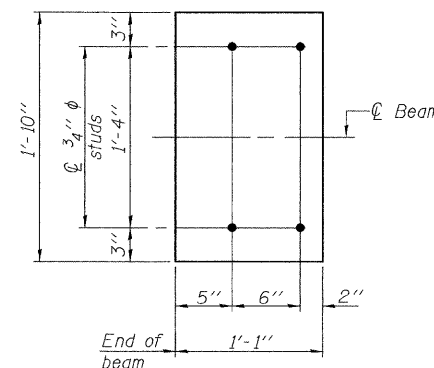
BAR G5



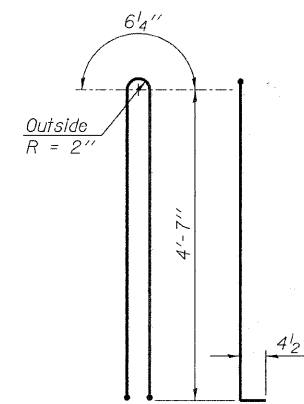
TOP PLATE



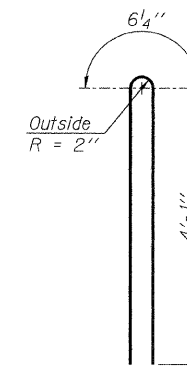
BOTTOM PLATE
(Showing threaded rods)



BOTTOM PLATE
(Showing studs)



BAR G1



BAR G2

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 54"	Ft.	548.5

54" PPC I-BEAM DETAILS II
STRUCTURE NO. 056-3173

SHEET NO. S-13 OF S-20 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		05-00310-00-BR	McHENRY	44	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		

DESIGNED	AMK
CHECKED	EKM
DRAWN	RD
CHECKED	EKM



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