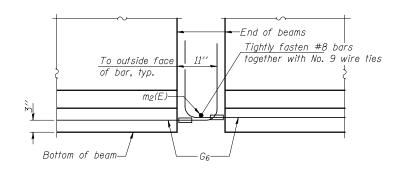
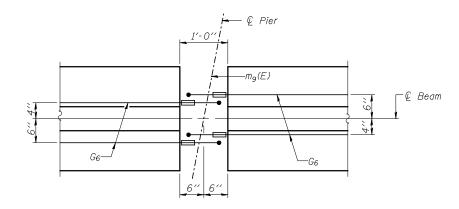
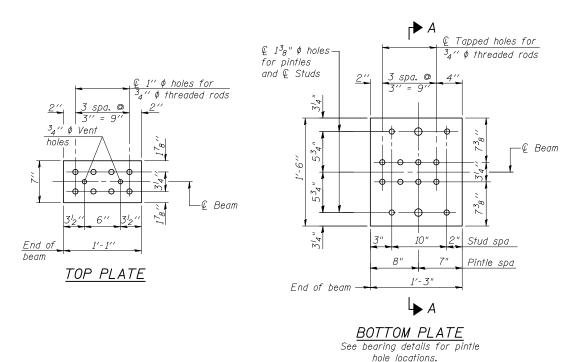
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

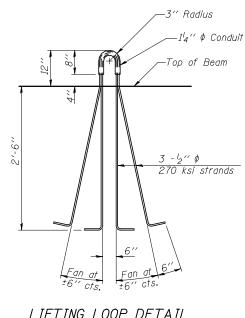


ELEVATION OF BEAM AT PIER



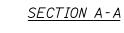
PLAN OF BEAM AT PIER





LIFTING LOOP DETAIL

1^3_8 " ϕ Holes for Pintles Plug before casting beam 1'-6" BAR G1



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 $^{l}_{2}{}^{\prime\prime}$ 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 $2\frac{1}{2}$ " ϕ lifting pin shall be used to engage the lifting loops during handling.

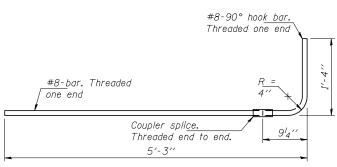
Tilt G_6 bars when necessary to maintain I_2'' clearance.

The top and bottom plates shall be AASHTO M270 Grade 50.

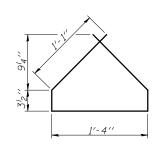
The bottom plates and studs shall be galvanized according to AASHTO M111.

Threaded rods shall be ASTM F 1554 Grade 55.

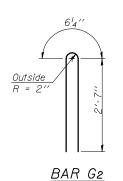
The G_6 bar assembly shall have the threaded ends oversized to ensure no reduction in cross sectional area after threading. The coupler splice shall be capable of developing 125 percent of the yield strength of the reinforcement bar.



G6 BAR ASSEMBLY



BAR G4



BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36″	Foot	623

36" PPC I-BEAM DETAILS STRUCTURE NO. 057-0129

SHEET NO.14	F.A.I RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
	74	(57-22B-1)BR			Mc LEAN	46	24
26 SHEETS					CONTRACT	NO. 70	721
	FFD. RO	DAD DIST. NO.	ILLINOIS	FED. A	ID PROJECT		

THE UPCHURCH GROUP, INC.

TUG PROJ. NO.: 3106078-07 PLOT DATE: 3/9/2009 9:14:54 AM FILE NAME: ...\0570129-70721-PCC_I-BeamDet.dgn