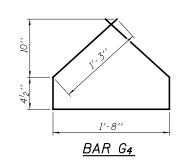
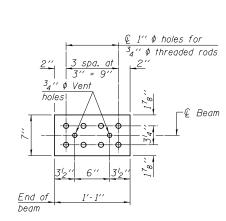
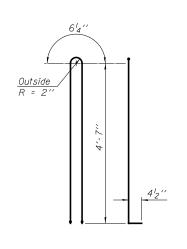
3'' Radius I'4'' \(\phi \) Conduit Top of Beam 3 - \(\frac{1}{2}'' \phi \) 270 ksi strands Fan at 6'' \(\frac{1}{2} \text{6''} \) cts.

LIFTING LOOP DETAIL

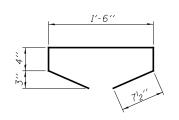




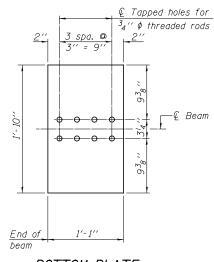
TOP PLATE



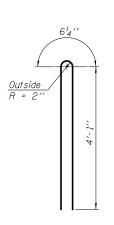
BAR G1



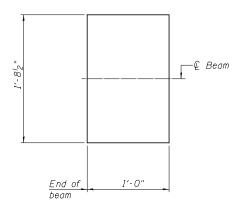
BAR G5



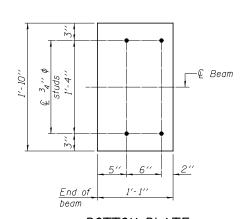
<u>BOTTOM PLATE</u> (Showing threaded rods)



BAR G2



1" FABRIC BEARING PAD



BOTTOM PLATE
(Showing studs)

<u>NOTES</u>

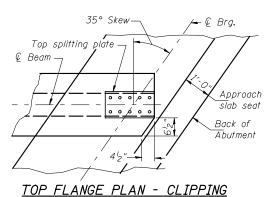
Inserts for 3_4 " ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1_2 " and the nominal cross-sectional area shall be 0.153 sq. in

shall be 0.153 sq. in.

A minimum $2^12''$ ϕ lifting pin shall be used to engage the lifting loops during handling. The top and bottom plates shall be AASHTO M270 Grade 50.

The bottom plates and studs shall be galvanized according to AASHTO M111. Top plates and threaded rods need not be galvanized.

Threaded rods shall be ASTM F 1554 Grade 55.



BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 54"	Ft.	1473.5

	USER NAME = bdecraene	DESIGNED	-	NPH	
V:\3195\Structure\032-0123\0320123-66B83-01	8-PPC I-BEAM DETAILS.dgn	CHECKED	-	JOH	Hutchison Engineering, Inc.
	PLOT SCALE = NONE	DRAWN	-	RMD	JACKSONVILLE-SHOREWOOD-PEORIA
	PLOT DATE = 8/6/2013	CHECKED	-	JOH/NPH	

STATE OF ILLINOIS					
DEPARTMENT	OF	TRANSPORTATION			

54" PPC I-BEAM DETAILS STRUCTURE NO. 032-0123	F.A.P. RTE.	SECT	ION		COUNTY	TOTAL SHEETS	
	326	326 110BR-1			GRUNDY	644	376
3111001011E 140: 032-0123					CONTRACT	NO.	66B83
SHEET NO. 18 OF 30 SHEETS			ILLINOIS	FED. AI	D PROJECT		