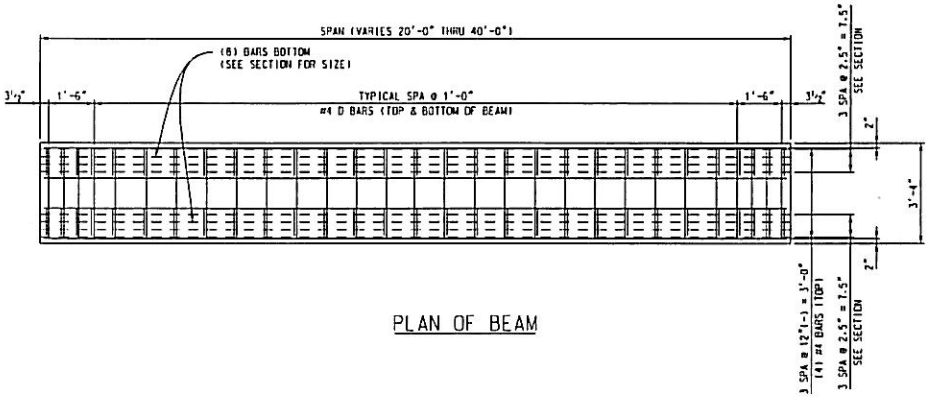
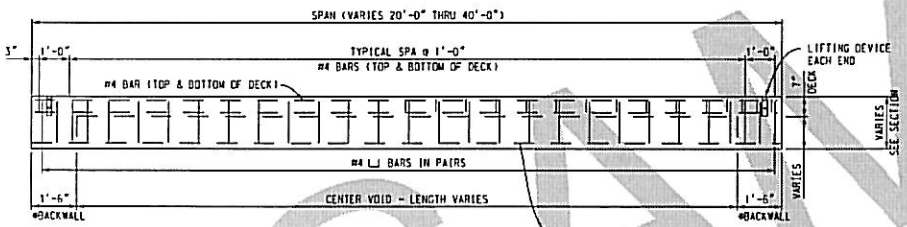


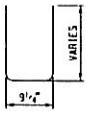
PLAN OF BEAM

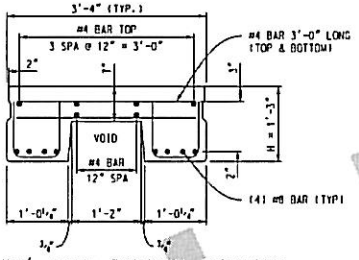


ELEVATION

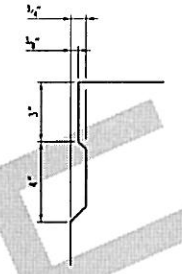
PRECAST CHANNEL BEAM

#FILL VOID AT BACKWALL LOCATIONS

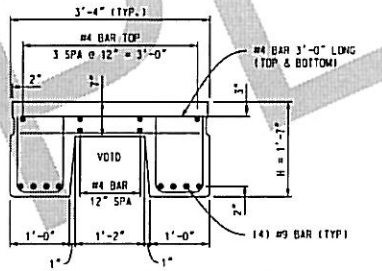




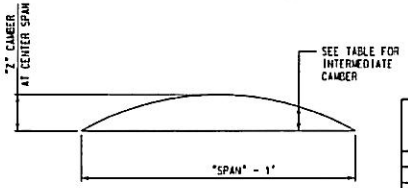
20'-30' SPAN TYPICAL SECTION



KEYWAY DETAIL



30'-40' SPAN TYPICAL SECTION



DEAD LOAD CAMBER DIAGRAM

SPAN LENGTH	"Z"
30'	1/4"
40'	1/2"

TABLE OF CAMBER	
Location	CAMBER
℄ Brg	0.0
0.1 Span	0.31 x "Z"
0.2 Span	0.59 x "Z"
0.3 Span	0.81 x "Z"
0.4 Span	0.95 x "Z"
℄ Span	"Z"

TABLE OF VARIABLE VALUES				
SPAN LENGTH	TOTAL WEIGHT	SECTION DEPTH	TUB DEPTH	
	Wt.	"H"		
FT	TONS	In		
20	5.0	15"		
25	6.2	15"		
30	7.4	15"		
35	10.5	19"		
40	12	19"		

GENERAL NOTES:

Designed according to AASHTO Standard Specifications, HS-20 live load.

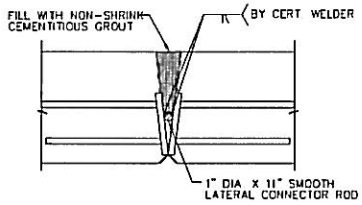
Concrete strength = f'c = 5,000 psi.

All reinforcing shall be Grade 60.

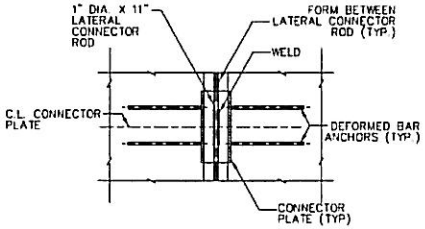
See railing details and standards for rail anchorage.

See bearing standards for bearing details and dimensions.

Lifting the prefabricated bridge units shall be by equal loads to each pair of lifting devices. The lifting device recess shall be grouted with non-shrink cementitious grout after units are erected.



LATERAL CONNECTOR SECTION



LATERAL CONNECTOR PLAN

NOTE:
SEAT AND CENTER 1" DIA. SMOOTH LATERAL CONNECTOR ROD (LCR) IN THE BOTTOM OF THE FLANGE CONNECTION "V" PRIOR TO WELDING TO MINIMIZE GROUT LEAKAGE. CAULK WHERE NECESSARY BETWEEN CONNECTORS.

SAMPLE

N O T I C E:
THE DESIGN CONTAINED IN THESE DRAWINGS IS BASED ON THE TRICON PRECAST, LTD. SPECIFICATIONS AND THE INFORMATION PROVIDED BY THE OWNER.
THESE DRAWINGS ARE FURNISHED ONLY FOR THE USE OF THIS PROJECT. THE PROPRIETARY INFORMATION SHOWN HEREIN IS NOT TO BE TRANSMITTED TO ANY OTHER ORGANIZATION WITHOUT AUTHORIZATION FROM TRICON PRECAST, LTD.

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TEC TRICON ENGINEERING GROUP, LTD.
A Tricon Precast Company
1009 44th STREET, SUITE A-2
WYOMING, MI 49509
PH: (616) 261-8530

REVISIONS		
DATE	MARK	DESCRIPTION
DRAWN BY:	TEC	
DESIGN BY:	TEC	
ENGINEER BY:	TEC	

CHANNEL BEAM SUPERSTRUCTURE
SPANS 20' THRU 40'
MCCANN CONCRETE PRODUCTS

PROJECT NO.:		CONTRACT NO.:	
	TRICON JOB NO.: TPL	DATE: 01-09-09	SHEET 1 of 1