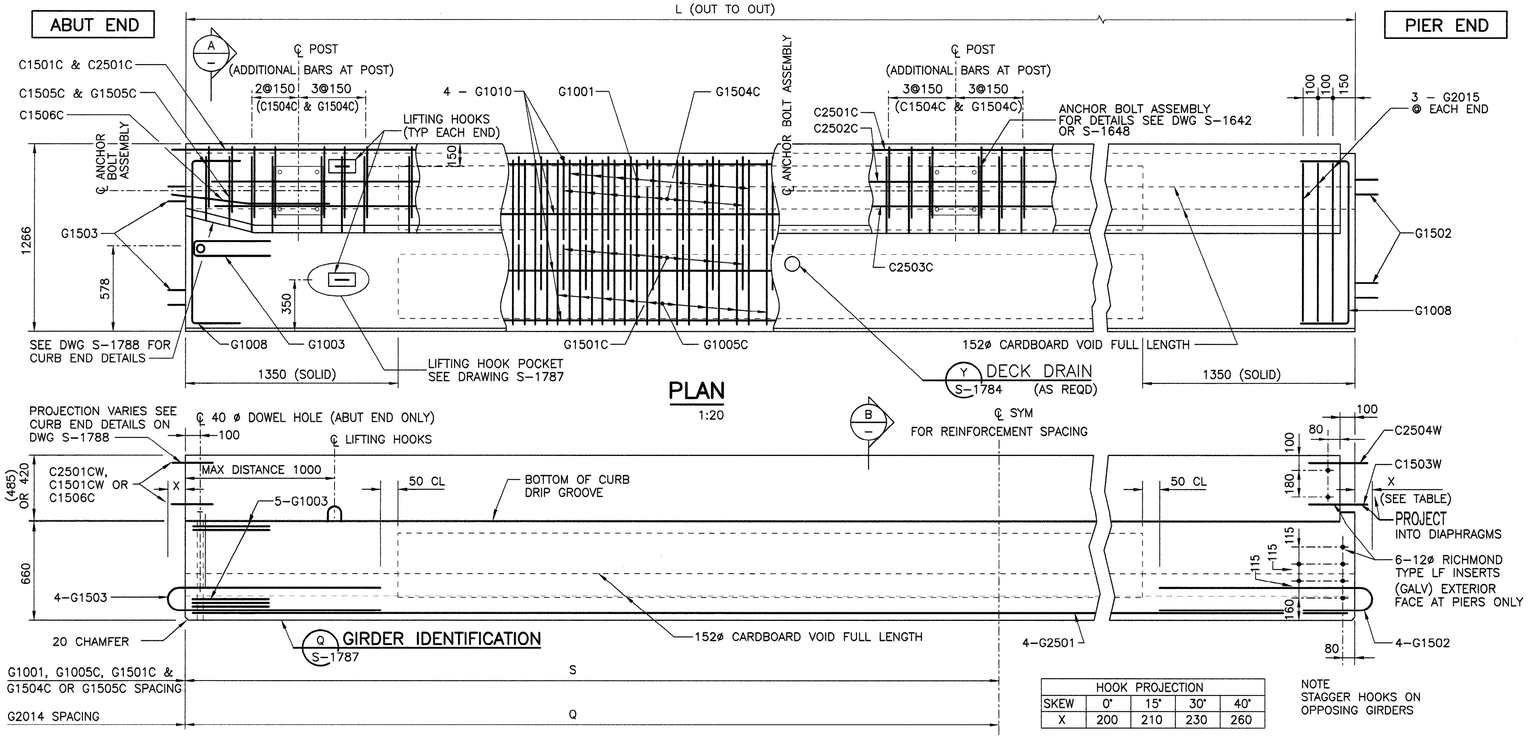


HOOK PROJECTION				
SKEW	0°	15°	30°	40°
X	200	210	230	260

BAR LIST: CURB GIRDER

MARK	SIZE	TYPE	X	Y	LENGTH
G1001	10	A	1125	390	1905
G1003	10	J	100	510	1080
G1005C	10	C	1125	–	2989 (3055)
G1008	10	A	1000	300	1600
G1010	10	STR	FULL LENGTH OF GIRDER		
G1501C	15	N	740	170	1210
G1502	15	J	140	VARIES	VARIES
G1503	15	J	140	VARIES	VARIES
G1504C	15	D			1260 (1330)
G1505C	15	Q	150	VARIES	VARIES
G1516	15	S	630	140	910
G2014	20	STR			1100
G2015	20	STR			950
G2501	25	STR	FULL LENGTH OF GIRDER		
C1501C	15	STR	FULL LENGTH OF GIRDER		
C1502C	15	STR	FULL LENGTH OF GIRDER		
C1503W	15	STR	(GALVANIZED)		950
C1504C	15	G	410	440 (446)	970 (1100)
C1505C	15	G	VARIES	VARIES	VARIES
C1506C		H			915
C2501C	25	STR	FULL LENGTH OF GIRDER		
C2502C	25	STR	FULL LENGTH OF GIRDER		
C2503C	25	STR	FULL LENGTH OF GIRDER		
C2904	29	STR	(GALVANIZED DYWIDAG BAR)		2370

–SUFFIX LETTER " C " ON BAR MARK DENOTES EPOXY COATED BARS.
–SUFFIX LETTER " W " ON BAR MARK DENOTES WELDABLE STEEL.

NOTE

- FOR BAR TYPES SEE DRAWING S–1785
- FOR DIMENSIONS THAT VARY WITH CURB HEIGHT, DIMENSIONS ARE GIVEN AS:
  XXX FOR 350 CURB
  (XXX) FOR 415 CURB

GENERAL NOTES

MATERIALS

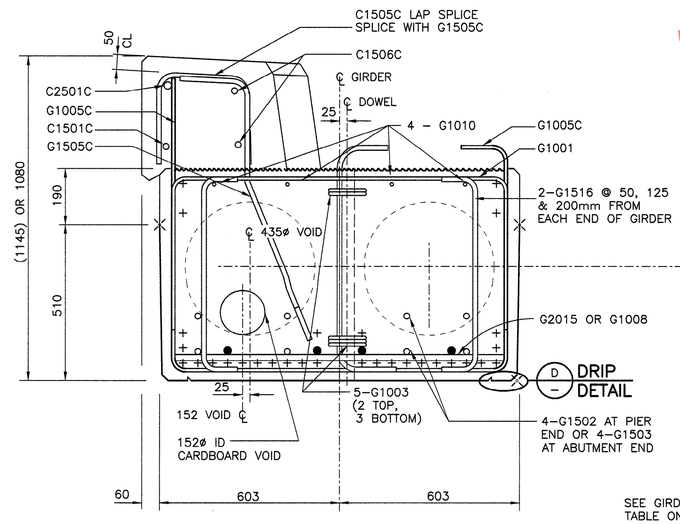
- CONCRETE FOR GIRDERS SHALL BE STANDARD WEIGHT SILICA FUME CONCRETE WITH A 28 DAY STRENGTH OF 50 MPa AND A RELEASE STRENGTH OF 30 MPa.
- CONCRETE FOR CURBS SHALL BE STANDARD WEIGHT CONCRETE WITH A 28 DAY STRENGTH OF 50 MPa.
- PRESTRESSING STEEL SHALL BE 15 Ø, 7 WIRE LOW RELAXATION STRAND (fpu = 1860 MPa).
- REINFORCING STEEL SHALL BE GRADE 400 (NO TACK WELDING OF STIRRUPS ALLOWED)

FABRICATION

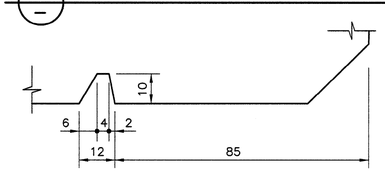
- GIRDERS SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 7 – PRECAST CONCRETE UNITS.
- CURBS FOR CURB GIRDERS SHALL BE PLANT CAST AFTER RELEASE OF STRANDS.
- SANDBLAST ROUGHENING IS REQUIRED ON ALL GIRDER ENDS.
- FOR SKEW END DETAILS SEE DRAWING S–1787
- ALL EXPOSED CORNERS TO HAVE A 20 mm CHAMFER OR FILLET UNLESS OTHERWISE NOTED.
- SEE DRAWING S–1784 FOR GIRDER FINISHES.
- FOR DECK DRAIN DETAILS AND LOCATIONS SEE DRAWINGS S–1782 AND S–1784
- FOR BRIDGERAIL POST SPACINGS, SEE SITE SPECIFIC DRAWING.

ERECTION

- FOR THEORETICAL GIRDER WEIGHTS SEE GIRDER INFORMATION TABLE ON DWG S–1785
- LIFTING FORCE AT EACH HOOK MUST BE MORE THAN 60° TO HORIZONTAL AT ALL TIMES.
- MAINTAIN GIRDER TOP SURFACE LEVEL AT ALL TIMES.

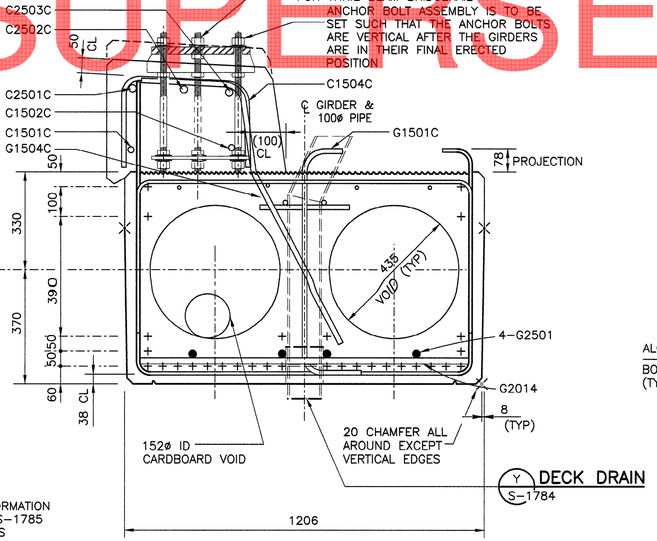


A TAPERED CURB END SECTION
1:10

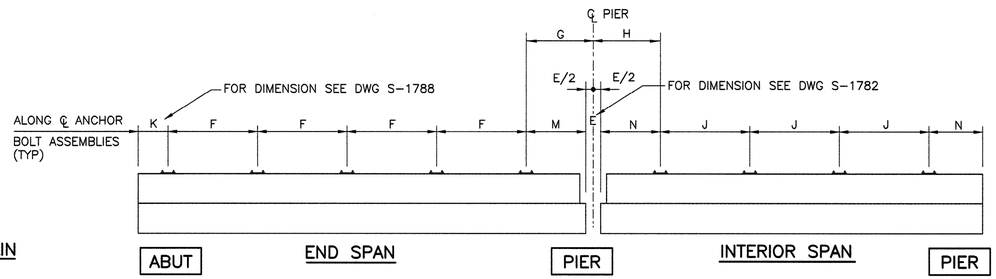


D DRIP DETAIL
1:1

SEE GIRDER INFORMATION
TABLE ON DWG S–1785
FOR GIRDER BARS



B SECTION
1:10



BRIDGERAIL ANCHOR BOLT SPACING

- FOR ADDITIONAL GENERAL NOTES SEE DWG S–1782

ISL Engineering and Land Services

PERMIT TO PRACTICE
ISL Engineering and Land Services Ltd.
Signature
Date AUG 15, 2008
PERMIT NUMBER: P 4741
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

DESIGNER
PROFESSIONAL ENGINEER ALBERTA WARREN PARK
DATE Aug 15 '08

CHECKER
PROFESSIONAL ENGINEER ALBERTA P.K. FAIRBRIDGE
DATE AUG. 15, 2008

REV	DATE	REVISIONS	BY
6			
5			
4			
3			
2			
1			

RECOMMENDED
DIRECTOR BRIDGE ENGINEERING
DATE

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH
DATE August 22, 2008

Alberta Transportation

STANDARD SLC COMPOSITE BRIDGES
SLC700 PRESTRESSED CONCRETE GIRDERS
CURB GIRDER

DEPARTMENT BAR CODE	DATE	SHEET	DRAWING
–	2008–06–30	5 of 7	S–1786–08

NH AUG 14, 2008 S–1786–08.DWG –DRAWN–BY'–RWK–