

BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	47	A	1 125	300	1 725	64
G1002	10	8	B	280		1 380	9
G1003	10	49	B	1 125		2 225	86
G1004	10	45	B	410		1 510	53
G1005	10	2	A	1 000	300	1 600	3
G1006	10	12	D			1 075	10
G1007	10	5	STR			10 570	41
G1008	10	2	STR			10 470	16
G1028	10	6	STR			1 100	5
G2501	25	4	A	10 520	350	11 220	176

BAR TYPES

Diagram A shows a simple rectangle with width X and height Y .

Diagram B shows a U-shaped hook with a top width of 80 (TYP), a total height of 420, a bottom width of X , and a 180° hook.

Diagram D shows a U-shaped hook with a top width of 460, a total height of 100, and a semi-circular hook.

- FOR ADDITIONAL NOTES, REFER TO DWG S-I749-07.
- 18-15 ϕ 7 WIRE STRANDS REQUIRED PER GIRDER.
- STRANDS MARKED ARE TO BE DEBONDED FOR 1000 mm FROM THE GIRDER ENDS.
- FORCE IN PRESTRESSING STEEL:
INITIAL TENSION BEFORE RELEASE = 195 kN/STRAND
DESIGN LOAD AFTER LOSSES = 146 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 11.66 TONNES

 *** NOTE:**
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES
SHALL BE 45 DIA WITH THE CENTERLINE
OF HOLE LOCATED 235 FROM THE END OF GIRDER
REFER TO STANDARD DRAWING S-1756 FOR
ADDITIONAL DETAILS.

 BPTEC - DNW Engineering Ltd. Suite 200, 4220-99 St Edmonton, AB T6E 6A1 www.bptec-dnw.com 556-46	PERMIT TO PRACTICE BPTEC-DNW ENGINEERING LTD. Signature: <u>Scott Donald</u> Date: <u>AUG 1, 2007</u> PERMIT NUMBER: POI32 The Association of Professional Engineers Geologists and Geophysicists of Alberta	DESIGNER  DATE: _____	CHECKER  DATE: _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">6</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>2009-05-14</td><td>REVISED DOWEL HOLE SIZE AND LOCATION</td><td></td><td></td><td></td></tr> <tr> <td>REV</td> <td>DATE</td> <td>REVISIONS</td> <td>BY</td> <td></td> <td></td> </tr> </table>	6						5						4						3						2						1	2009-05-14	REVISED DOWEL HOLE SIZE AND LOCATION				REV	DATE	REVISIONS	BY			RECOMMENDED DIRECTOR BRIDGE ENGINEERING ORIGINAL SIGNED BY: <u>TOM LOO</u> APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH ORIGINAL SIGNED BY: <u>ALLAN KWAN</u> DATE: <u>2007-09-17</u>	 INFRASTRUCTURE AND TRANSPORTATION PRESTRESSED CONCRETE 10.67 m TYPE SL-510 INTERIOR GIRDER <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">AI BAR CODE</td> <td style="width: 25%;">DATE 2007-06-07</td> <td style="width: 25%;">SHEET 1 of 3</td> <td style="width: 25%;">DRAWING S-1741-07</td> </tr> </table>	AI BAR CODE	DATE 2007-06-07	SHEET 1 of 3	DRAWING S-1741-07
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