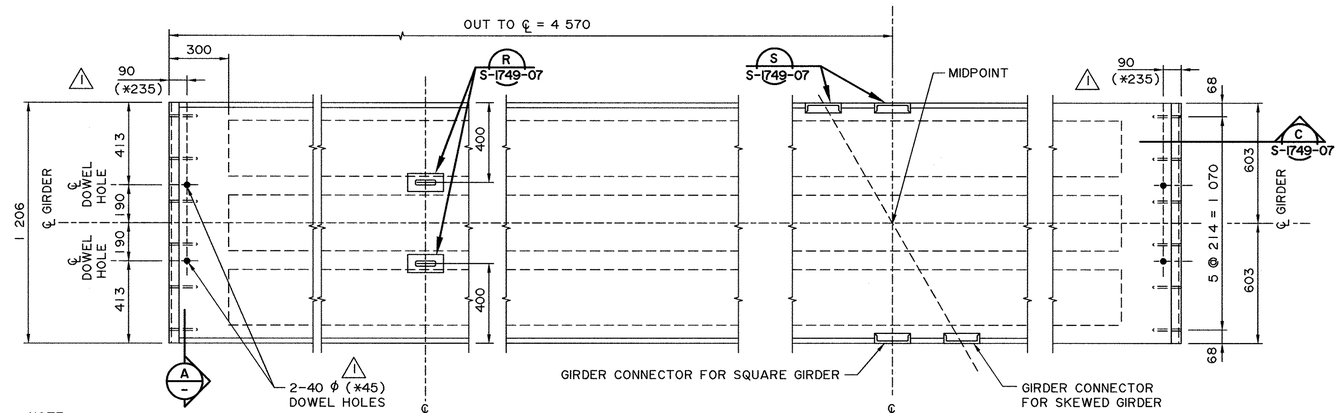
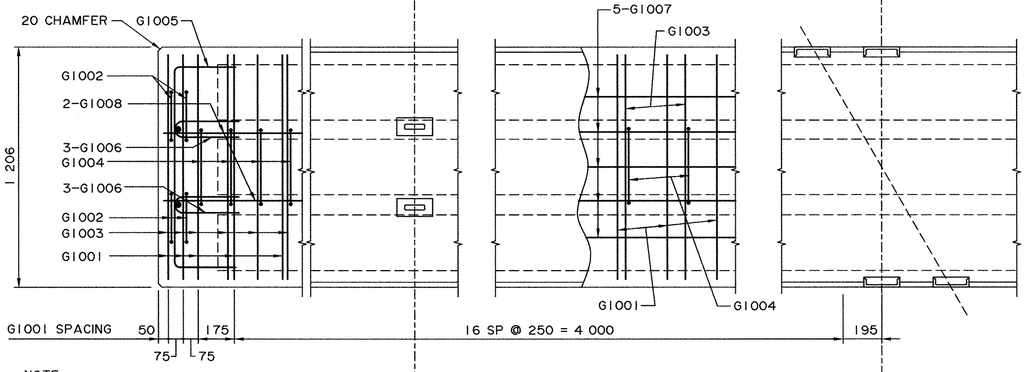
NOTE: FOR SKEWED END REINFORCING BAR DETAILS SEE DWG S-1738-07



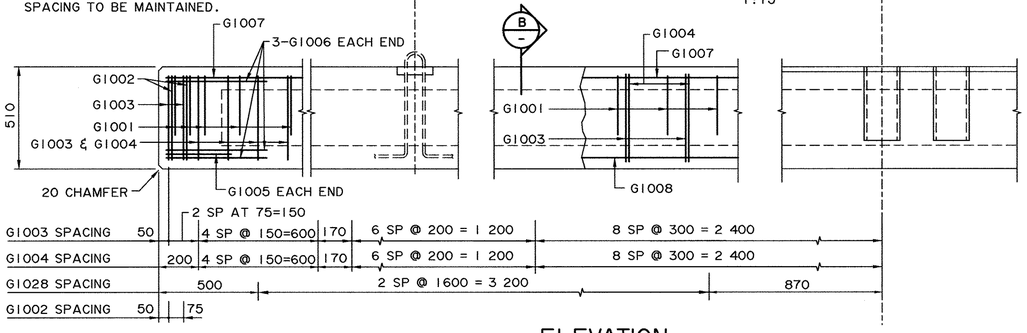
* NOTE:
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES SHALL BE 45 DIA WITH THE CENTERLINE OF HOLE LOCATED 235 FROM THE END OF GIRDER REFER TO STANDARD DRAWING S-1756 FOR ADDITIONAL DETAILS.

PLAN VIEW
1:15

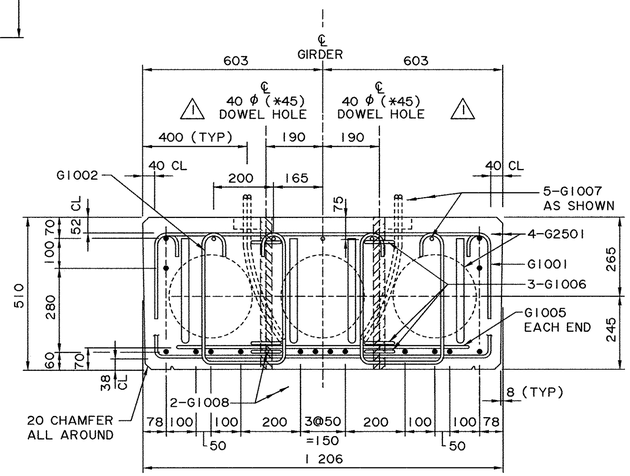


NOTE:
BEND REINFORCING BAR WHERE NECESSARY TO ACCOMMODATE CHANNEL CONNECTORS. STIRRUP SPACING TO BE MAINTAINED.

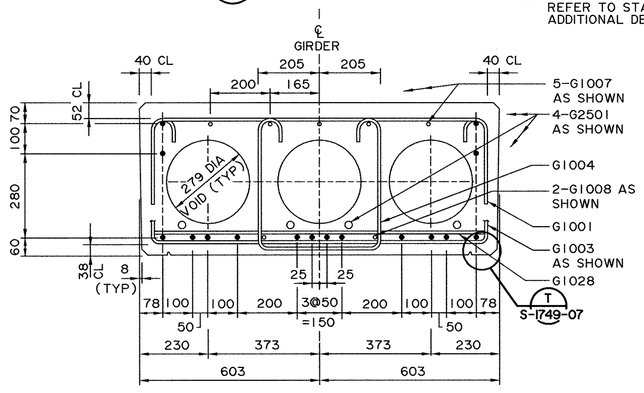
REINFORCEMENT PLAN
1:15



ELEVATION
1:15



A SECTION
1:10



B SECTION
1:10

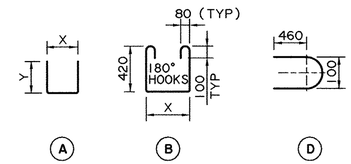
* NOTE:
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES SHALL BE 45 DIA WITH THE CENTERLINE OF HOLE LOCATED 235 FROM THE END OF GIRDER REFER TO STANDARD DRAWING S-1756 FOR ADDITIONAL DETAILS.

BAR LIST: FOR SQUARE GIRDER

MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	41	A	1 125	300	1 725	56
G1002	10	8	B	280		1 380	9
G1003	10	43	B	1 125		2 225	75
G1004	10	39	B	410		1 510	46
G1005	10	2	A	1 000	300	1 600	3
G1006	10	12	D			1 075	10
G1007	10	5	STR			9 040	35
G1008	10	2	STR			8 940	14
G1028	10	6	STR			1 100	5
G2501	25	4	A	9 000	350	9 700	152

TOTAL PLAIN kg: 405

BAR TYPES
(ALL BAR DIMENSIONS ARE OUT TO OUT)



GENERAL NOTES

- FOR ADDITIONAL NOTES, REFER TO DWG S-1749-07.
- 16-15 ϕ 7 WIRE STRANDS REQUIRED PER GIRDER.
- FORCE IN PRESTRESSING STEEL:
  INITIAL TENSION BEFORE RELEASE = 195 kN/STRAND
  DESIGN LOAD AFTER LOSSES = 150 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 10.03 TONNES

- WORK THESE DRAWINGS TOGETHER : S-1737-07, S-1738-07 AND S-1749-07

BPTEC - DNW
Engineering Ltd.
Suite 200, 4220-98 St Ph: (780) 436-5376
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Signature Scott Donald
Date AUG 1, 2007
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DESIGNER
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ORIGINAL STAMPED AND SIGNED BY: Stuart Smith ON: AUG 1, 2007
DATE

CHECKER
PROFESSIONAL ENGINEER ALBERTA
ORIGINAL STAMPED AND SIGNED BY: Scott Donald ON: AUG 1, 2007
DATE

REV	DATE	REVISIONS	BY
6			
5			
4			
3			
2			
1	2009-05-14	REVISED DOWEL HOLE SIZE AND LOCATION	CM

RECOMMENDED
DIRECTOR BRIDGE ENGINEERING
ORIGINAL SIGNED BY:
TOM LOO

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH
ORIGINAL SIGNED BY:
ALLAN KWAN
DATE 2007-09-17

Alberta INFRASTRUCTURE AND TRANSPORTATION

PRESTRESSED CONCRETE 9.14 m TYPE SL-510 INTERIOR GIRDER

AI BAR CODE	DATE	SHEET	DRAWING
	2007-06-07	1 OF 3	S-1737-07

Plotted: 9.14 m STANDARD SHEET S-1737-07.DGN