

BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	51	A	1 125	300	1 725	69
G1002	10	8	B	280		1 380	9
G1003	10	51	B	1 125		2 225	89
G1004	10	47	B	410		1 510	56
G1005	10	2	A	1 000	300	1 600	3
G1006	10	12	D			1 075	10
G1007	10	5	STR			1 480	45
G1008	10	2	STR			1 380	18
G1028	10	6	STR			1 100	5
G2501	25	4	A	11 430	350	12 130	190

BAR TYPES

- FOR ADDITIONAL NOTES, REFER TO DWG S-1749-07.
- 20-15 ϕ 7 WIRE STRANDS REQUIRED PER GIRDER.
- STRANDS MARKED ARE TO BE DEBONDED FOR 1400 mm FROM THE GIRDER ENDS.
- FORCE IN PRESTRESSING STEEL :
INITIAL TENSION BEFORE RELEASE = 195 kN/STRAND
DESIGN LOAD AFTER LOSSES = 141 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 12.63 TONNES

SECTION 1:10

SECTION

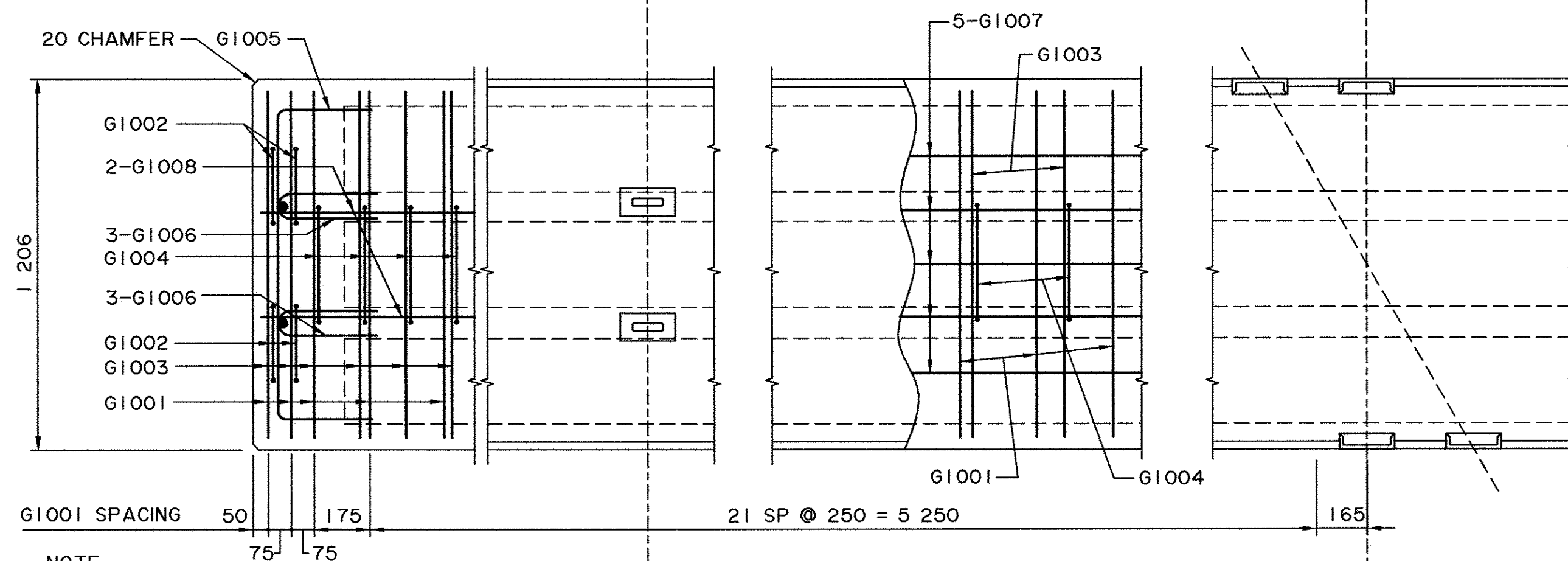
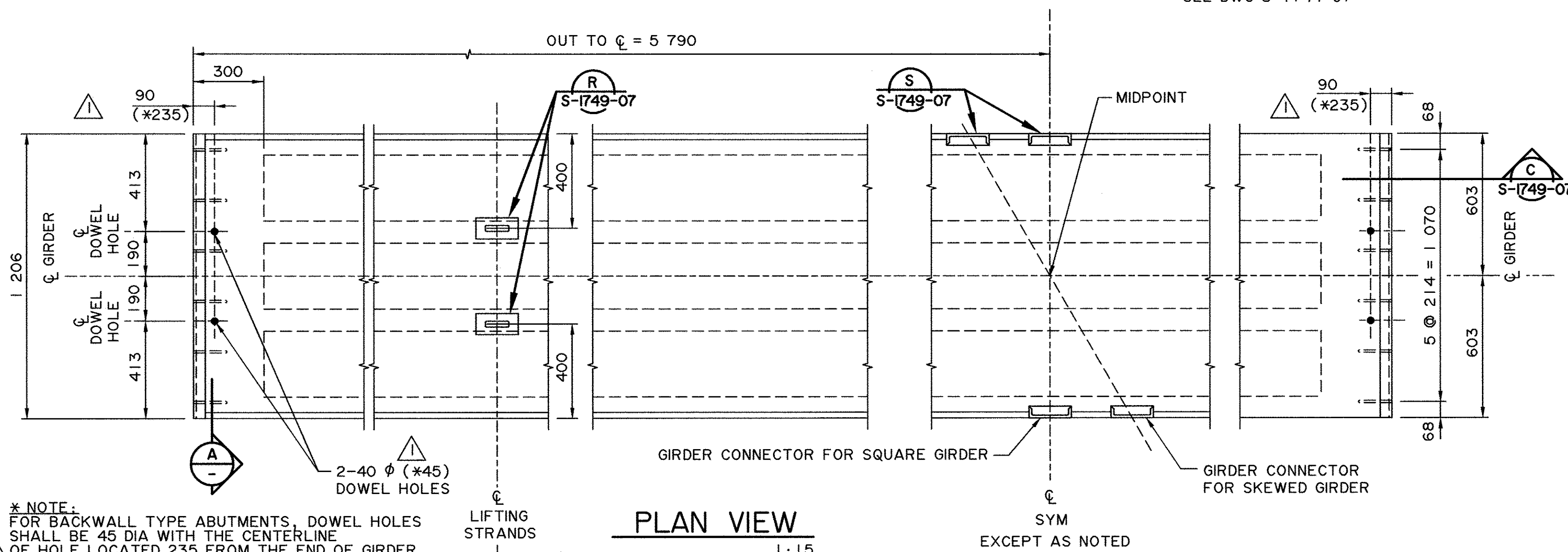
• WORK THESE DRAWINGS TOGETHER : S-1743-07, S-1744-07 AND S-1749-07

ALLAN KWAN

DATE 2007-09-17

PRESTRESSED CONCRETE
11.58 m TYPE SL-510
INTERIOR GIRDER

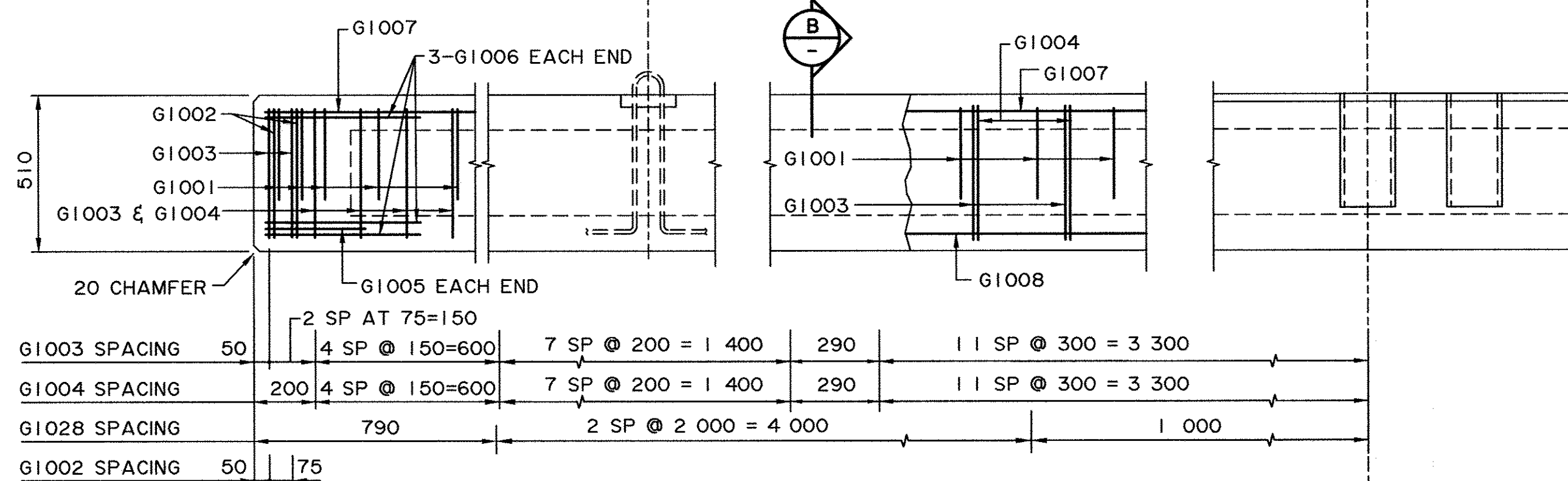
AI BAR CODE	DATE	SHEET	DRAWING
	2007-06-07	1 of 3	S-1743-07



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

REINFORCEMENT PLAN

1:15



ELEVATION

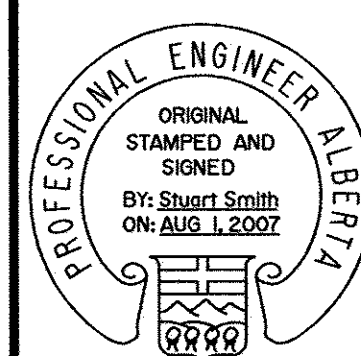
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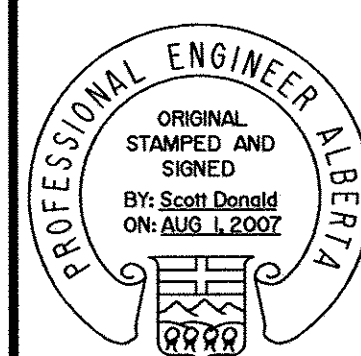
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The Association of Professional Engineers
Geologists and Geophysicists of Alberta



DATE _____



DATE _____

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

Plotted:
11.58 m STANDARD SHEET S-1741-07.DGN