

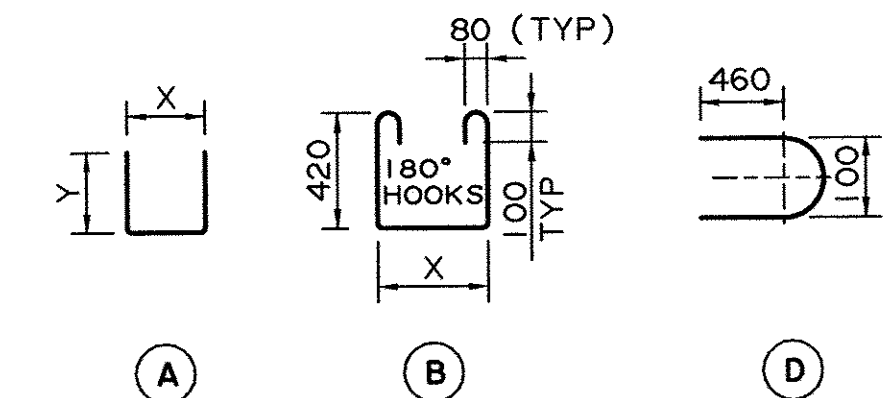
NOTE: FOR SKEWED END REINFORCING BAR DETAILS
SEE DWG S-1728-07

BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	44	A	1 125	300	1 725	60
G1002	10	8	B	280		1 380	9
G1003	10	45	B	1 125		2 225	78
G1004	10	41	B	410		1 510	49
G1005	10	2	A	1 000	300	1 600	3
G1006	10	12	D			1 075	10
G1007	10	5	STR			9 900	39
G1008	10	2	STR			9 800	15
G1028	10	6	STR			1 100	5
G2501	25	4	A	9 850	350	10 550	166

TOTAL PLAIN kg: 437

BAR TYPES

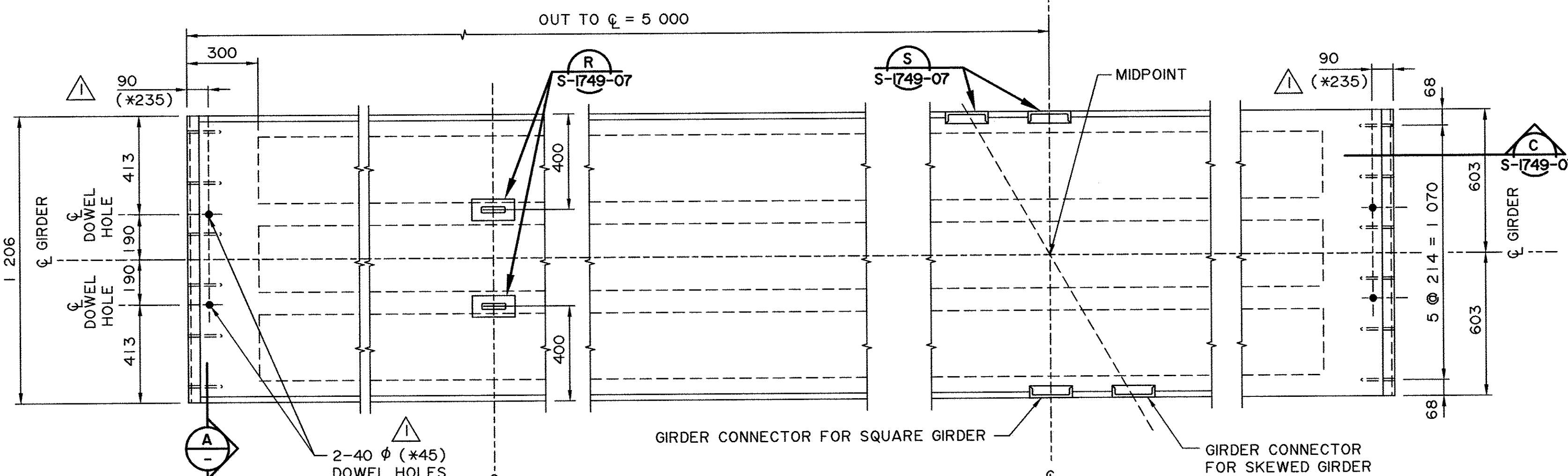
(ALL BAR DIMENSIONS ARE OUT TO OUT)



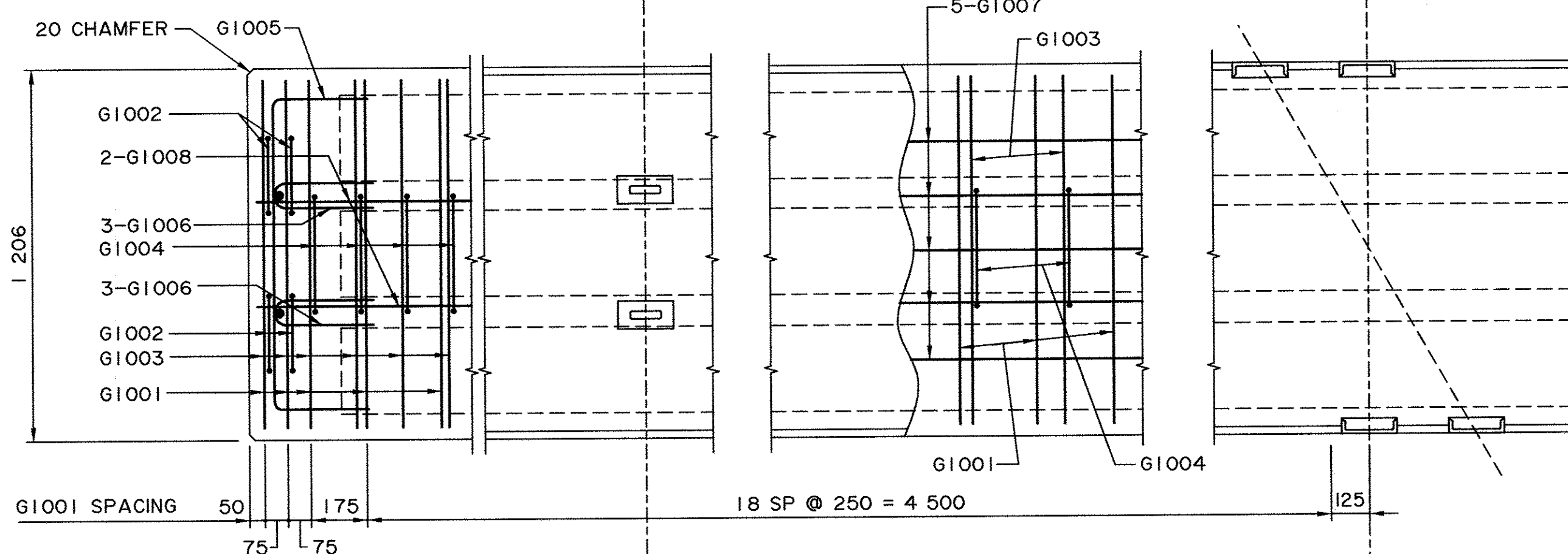
GENERAL NOTES

- FOR ADDITIONAL NOTES, REFER TO DWG S-1749-07.
- 16-15 ϕ 7 WIRE STRANDS REQUIRED PER GIRDER.
- STRANDS MARKED $\odot$ 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 = 150 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 10.94 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.

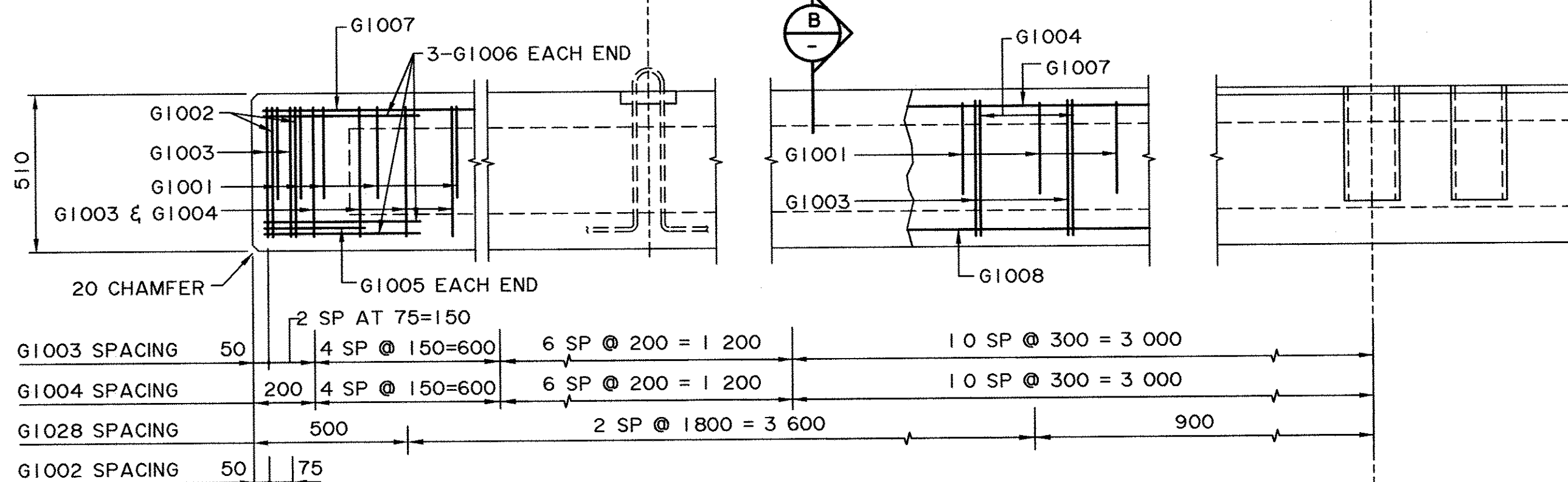


PLAN VIEW
1:15

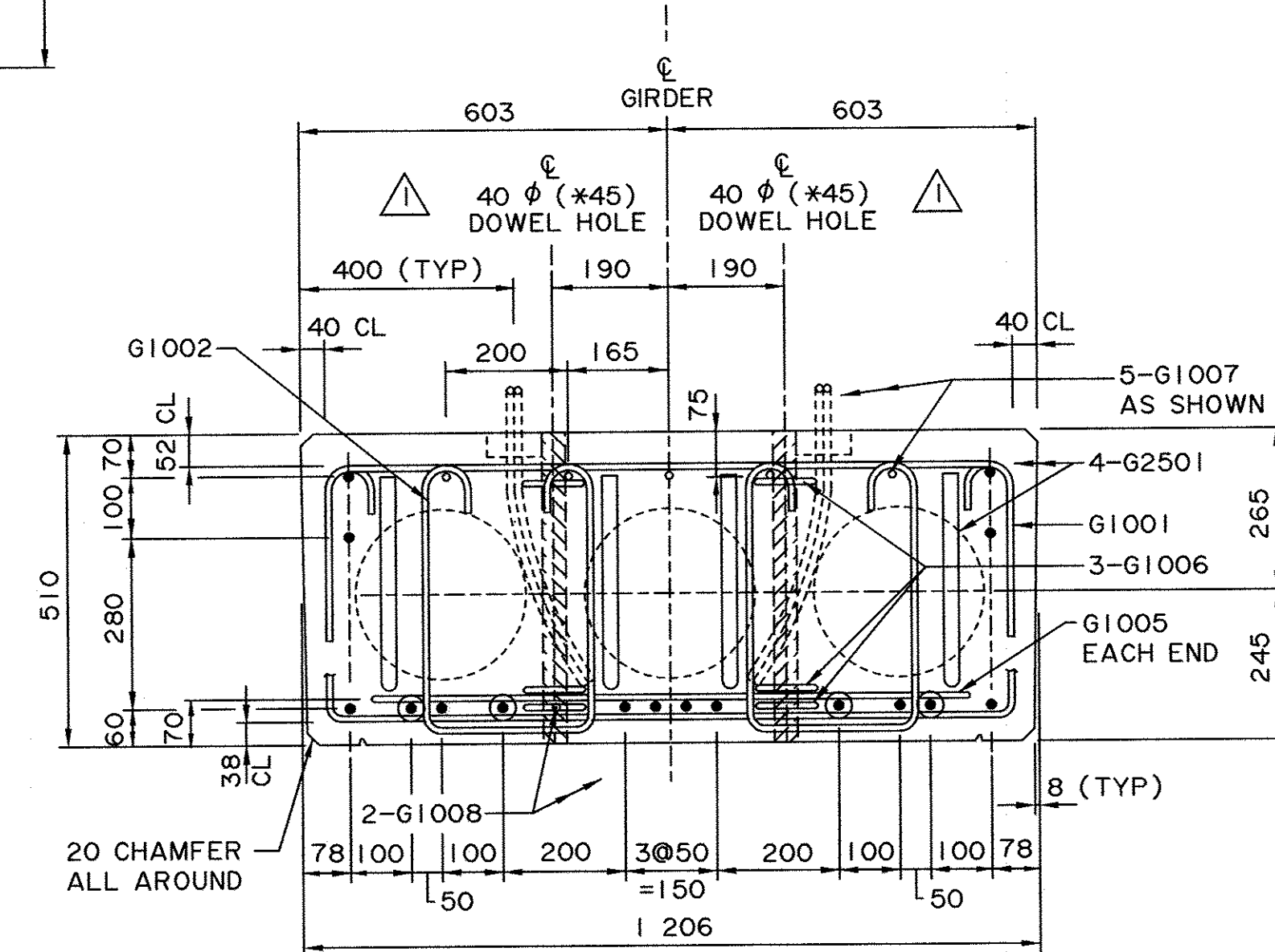


REINFORCEMENT PLAN
1:15

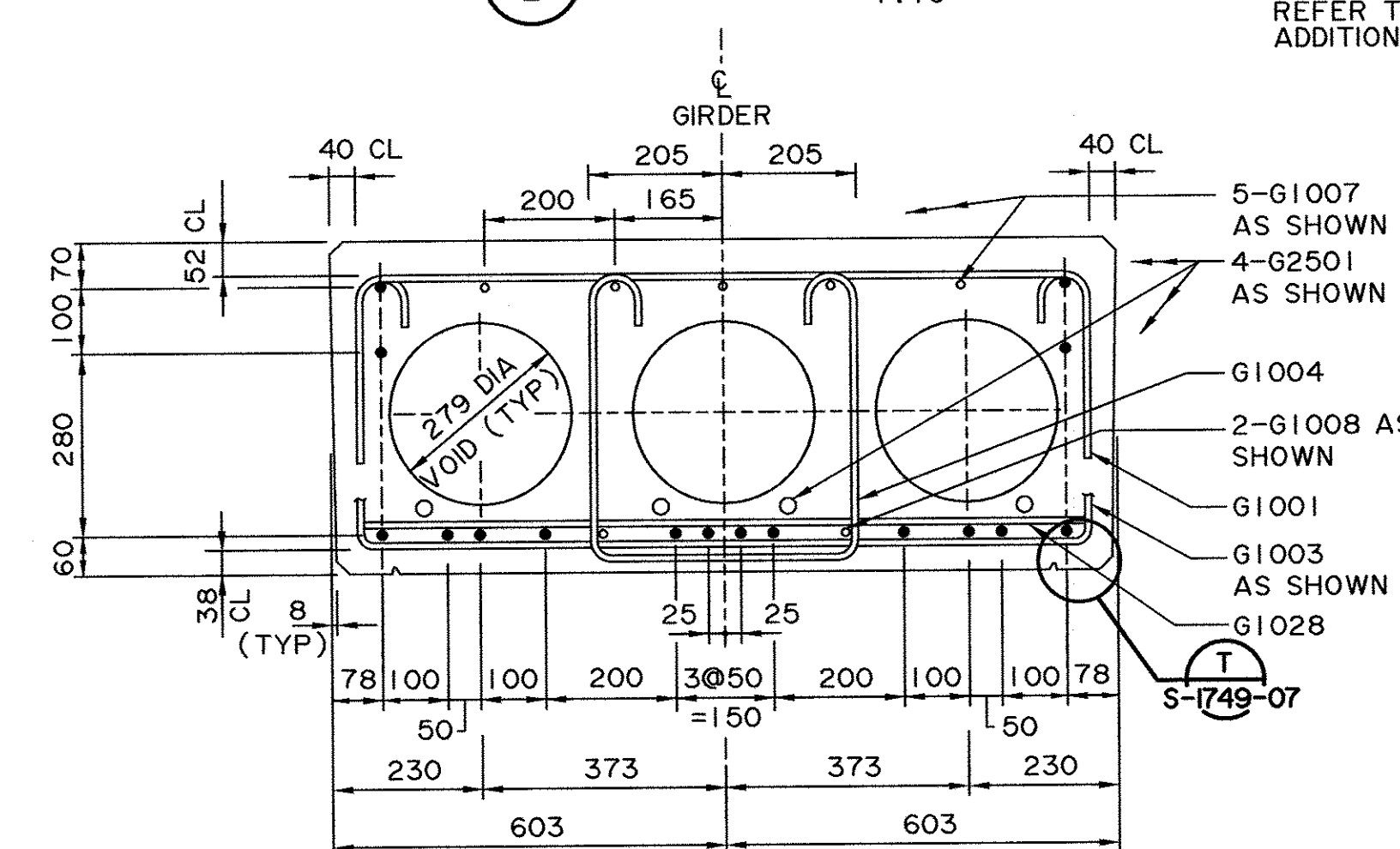
NOTE:
BEND REINFORCING BAR WHERE NECESSARY TO
ACCOMMODATE CHANNEL CONNECTORS. STIRRUP
SPACING TO BE MAINTAINED.



ELEVATION
1:15



SECTION A-A
1:10



SECTION B-B
1:10

WORK THESE DRAWINGS TOGETHER : S-1727-07, S-1728-07 AND S-1749-07

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Signature: Scott Donald
Date: AUG 1, 2007
PERMIT NUMBER: P0132
The Association of Professional Engineers
Geologists and Geophysicists of Alberta

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STAMPED AND
SIGNED
BY: Scott Donald
ON: AUG 1, 2007

PROFESSIONAL ENGINEER ALBERTA

DATE

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ON: AUG 1, 2007

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DATE

REV	DATE	REVISIONS	BY
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
10 m TYPE SL-510
INTERIOR GIRDER

AI BAR CODE	DATE	SHEET	DRAWING
	2007-06-07	1 of 3	S-1727-07