

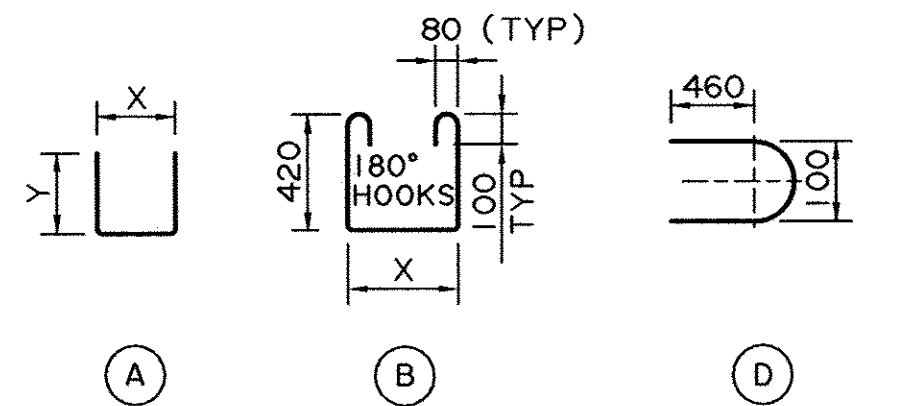
NOTE: FOR SKEWED END REINFORCING BAR DETAILS
SEE DWG S-1740-07

BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	45	A	1 125	300	1 725	61
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			9 960	39
G1008	10	2	STR			9 860	15
G1028	10	6	STR			1 100	5
G2501	25	4	A	9 910	350	10 610	167

TOTAL PLAIN kg: 436

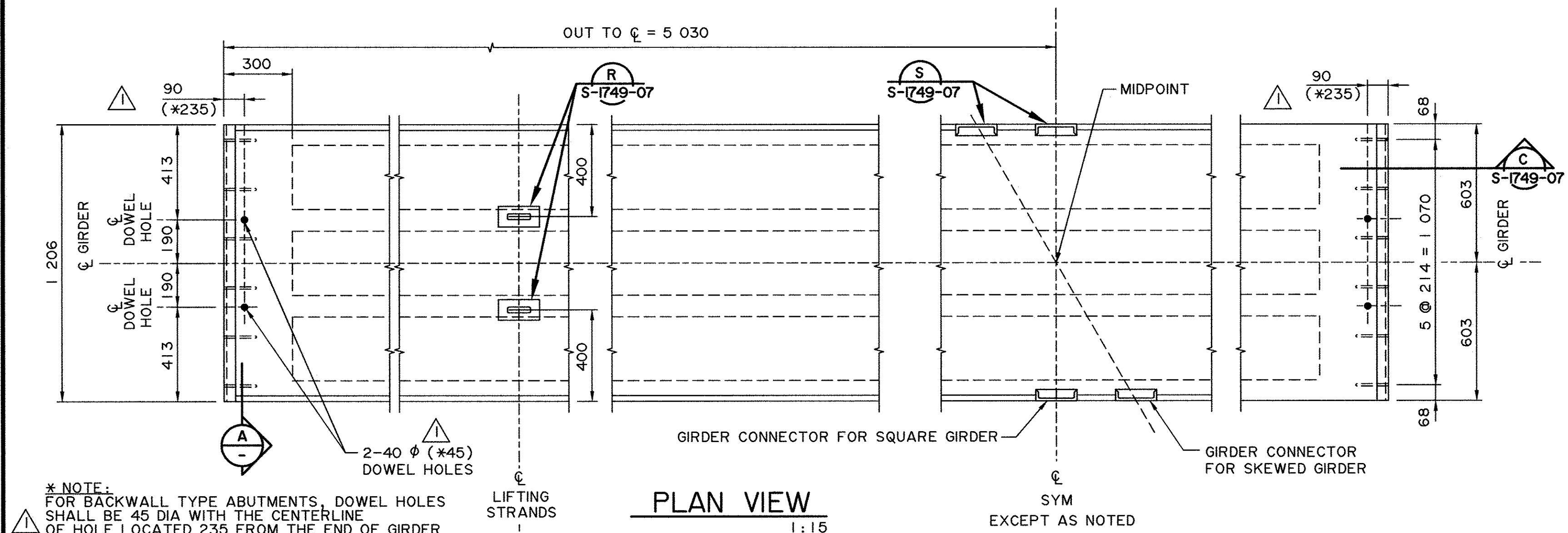
BAR TYPES

(ALL BAR DIMENSIONS ARE OUT TO OUT)

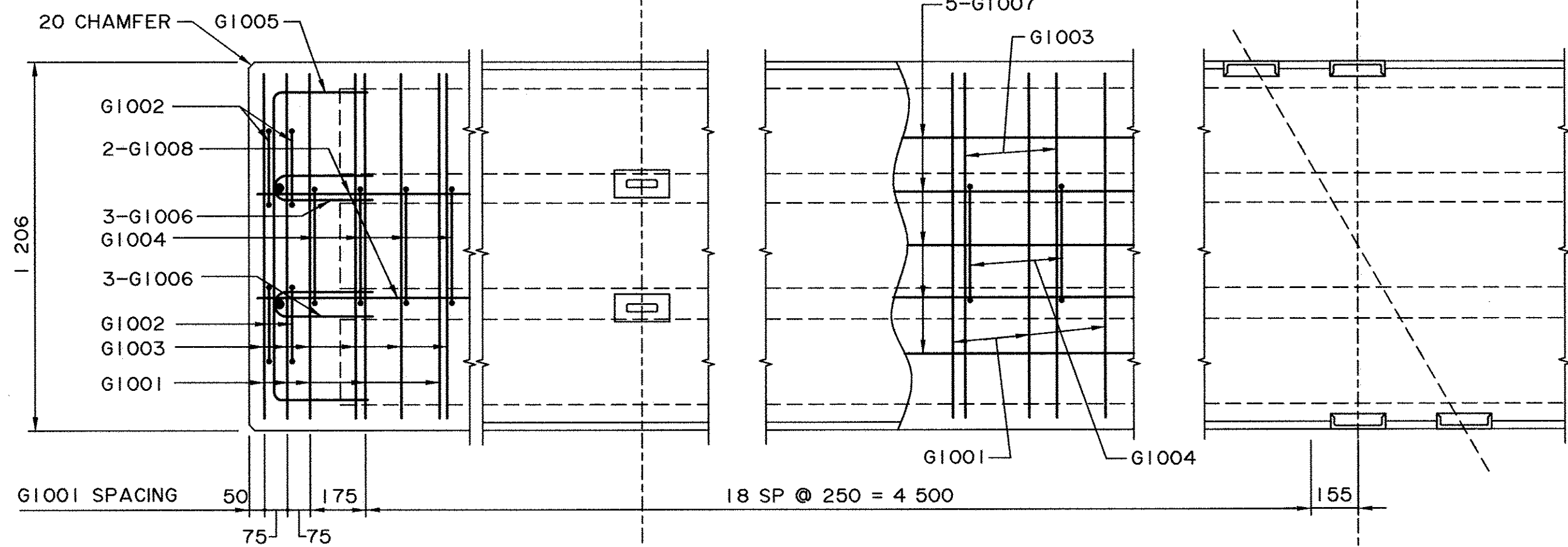


GENERAL NOTES

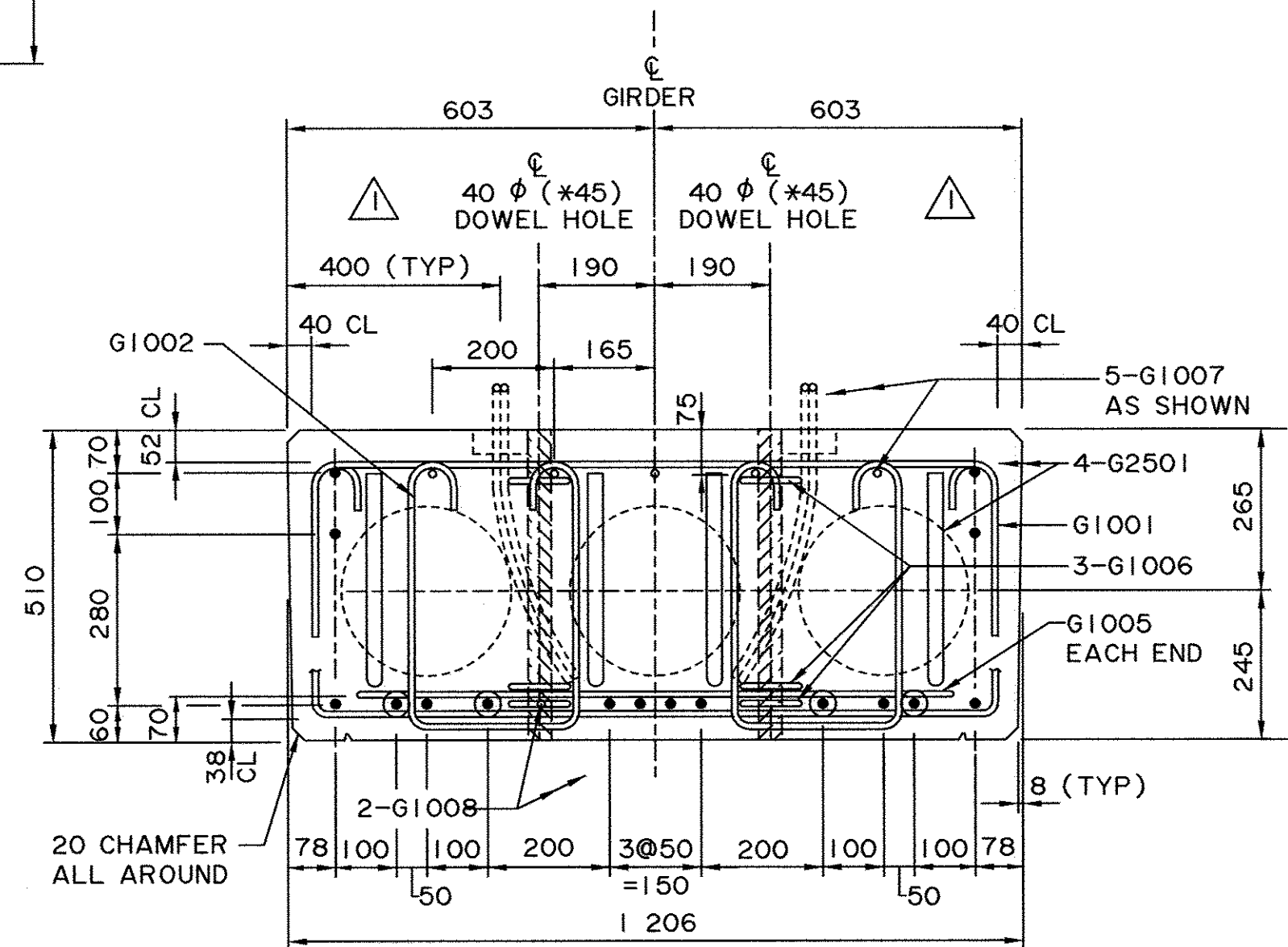
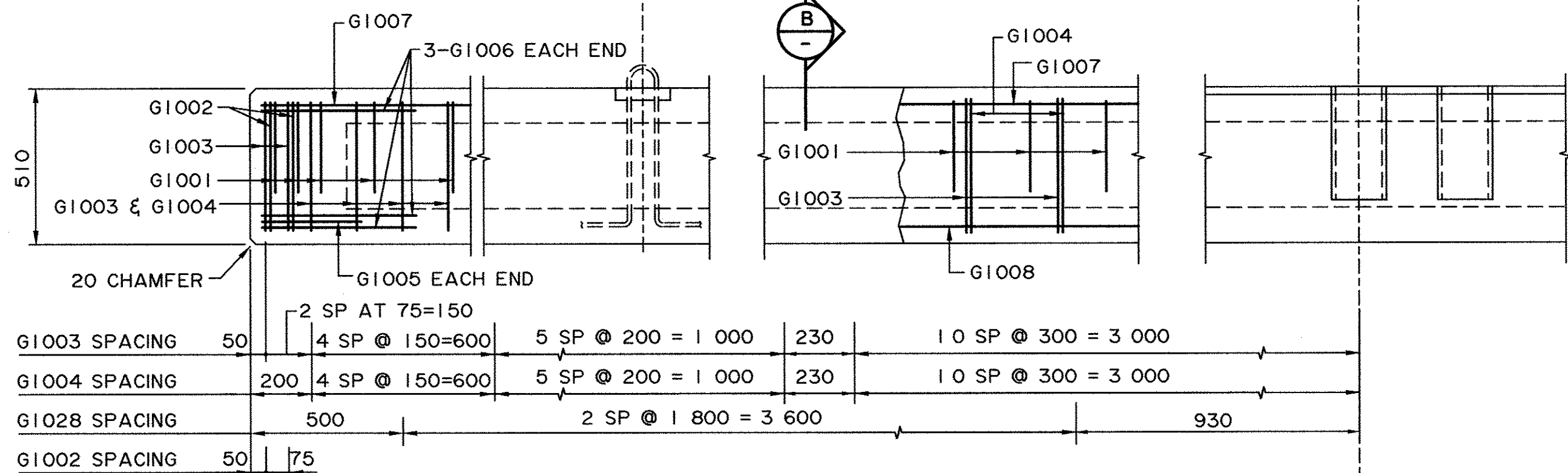
- FOR ADDITIONAL NOTES, REFER TO DWG S-1749-07.
- 16-15 ϕ 7 WIRE STRANDS REQUIRED PER GIRDER.
- STRANDS MARKED $\odot$ ARE TO BE DEBONDED FOR 1000 mm FROM THE GIRDER ENDS.
- FORCE IN PRESTRESSING STEEL:
INITIAL TENSION BEFORE RELEASE = 195 kN/STRAND
DESIGN LOAD AFTER LOSSES = 150 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 11.0 TONNES



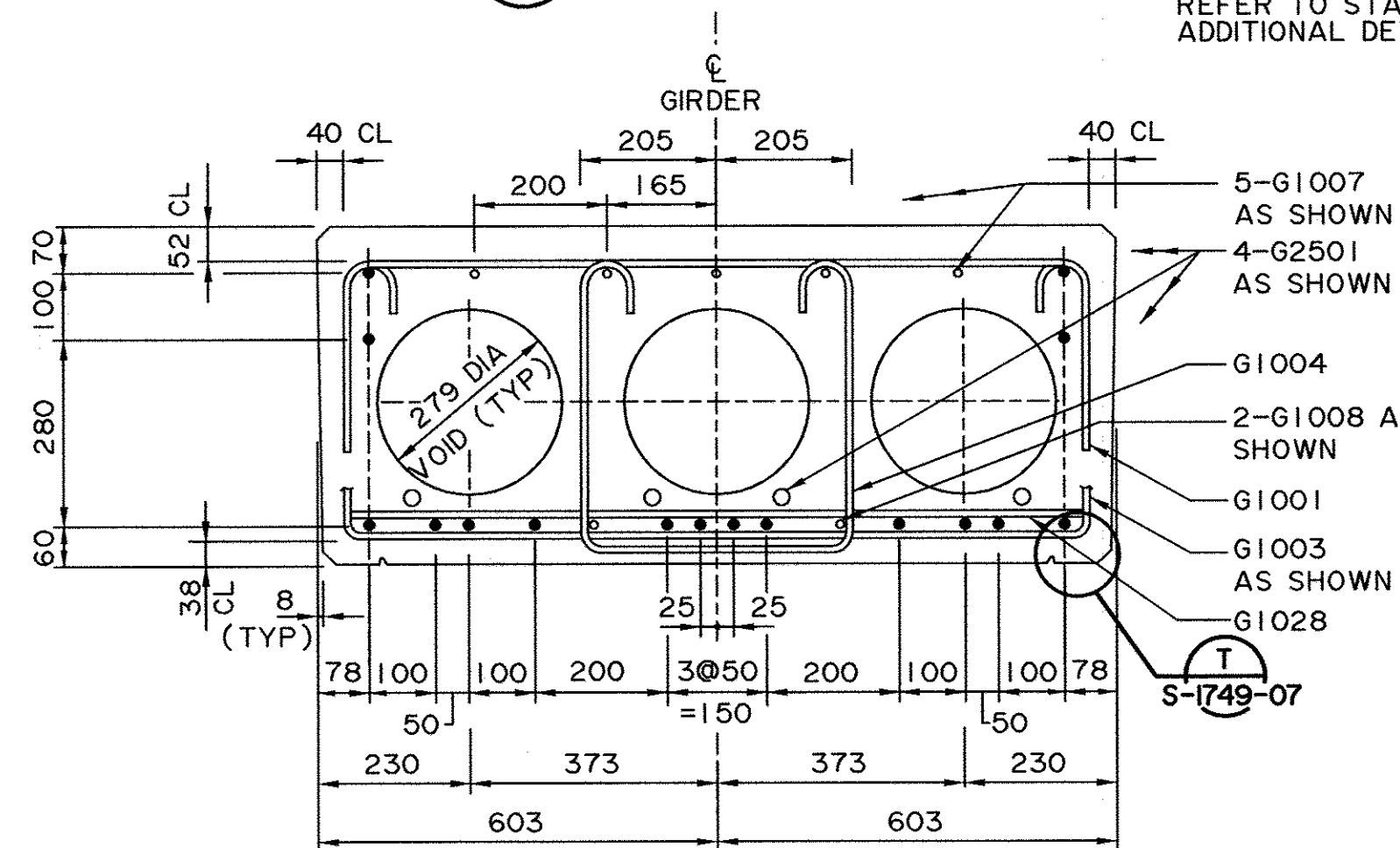
* NOTE:
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES
SHALL BE 45 DIA WITH THE CENTERLINE
OF HOLE LOCATED 235 FROM THE END OF GIRDER
REFER TO STANDARD DRAWING S-1756 FOR
ADDITIONAL DETAILS.



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



* 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.



• WORK THESE DRAWINGS TOGETHER : S-1739-07, S-1740-07 AND S-1749-07

BPTec - DNW Engineering Ltd.
Suite 200, 4220-98 St. Pk: (780) 436-5376
Edmonton, AB T6E 6A1 Fax: (780) 435-4843
www.bptec-dnw.com 556-46

PERMIT TO PRACTICE
BPTec-DNW ENGINEERING LTD.
Signature: Scott Donald
Date: AUG 1, 2007
PERMIT NUMBER: POI32
The Association of Professional Engineers
Geologists and Geophysicists of Alberta

DESIGNER
PROFESSIONAL ENGINEER ALBERTA
ORIGINAL STAMPED AND SIGNED
BY: Stuart Smith ON: AUG 1, 2007

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

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

Albarta INFRASTRUCTURE AND TRANSPORTATION
**PRESTRESSED CONCRETE
10.06 m TYPE SL-510
INTERIOR GIRDER**
AI BAR CODE DATE SHEET DRAWING
2007-06-07 1 of 3 S-1739-07