

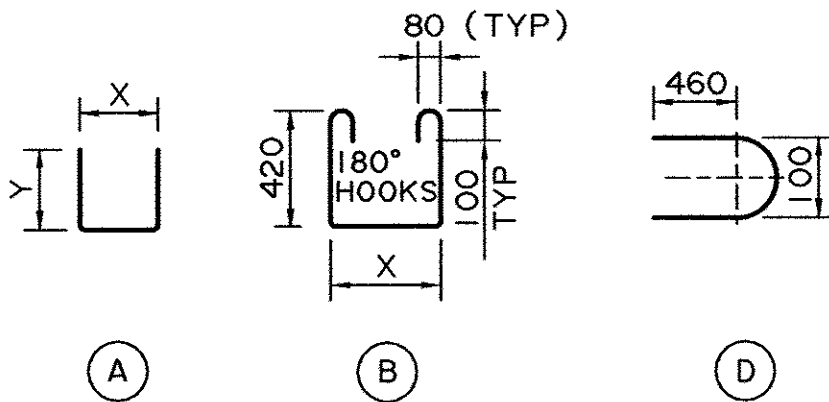
NOTE: FOR SKEWED END REINFORCING BAR DETAILS  
SEE DWG S-1724-07

| BAR LIST: FOR SQUARE GIRDER |      |     |      |       |     |        |      |
|-----------------------------|------|-----|------|-------|-----|--------|------|
| MARK                        | SIZE | No. | TYPE | X     | Y   | LENGTH | MASS |
| G1001                       | 10   | 28  | A    | 1 125 | 300 | 1 725  | 38   |
| G1002                       | 10   | 8   | B    | 280   |     | 1 380  | 9    |
| G1003                       | 10   | 27  | B    | 1 125 |     | 2 225  | 47   |
| G1004                       | 10   | 23  | B    | 410   |     | 1 510  | 27   |
| G1005                       | 10   | 2   | A    | 1 000 | 300 | 1 600  | 3    |
| G1006                       | 10   | 12  | D    |       |     | 1 075  | 10   |
| G1007                       | 10   | 5   | STR  |       |     | 5 900  | 23   |
| G1008                       | 10   | 2   | STR  |       |     | 5 800  | 9    |

TOTAL PLAIN kg: 166

BAR TYPES

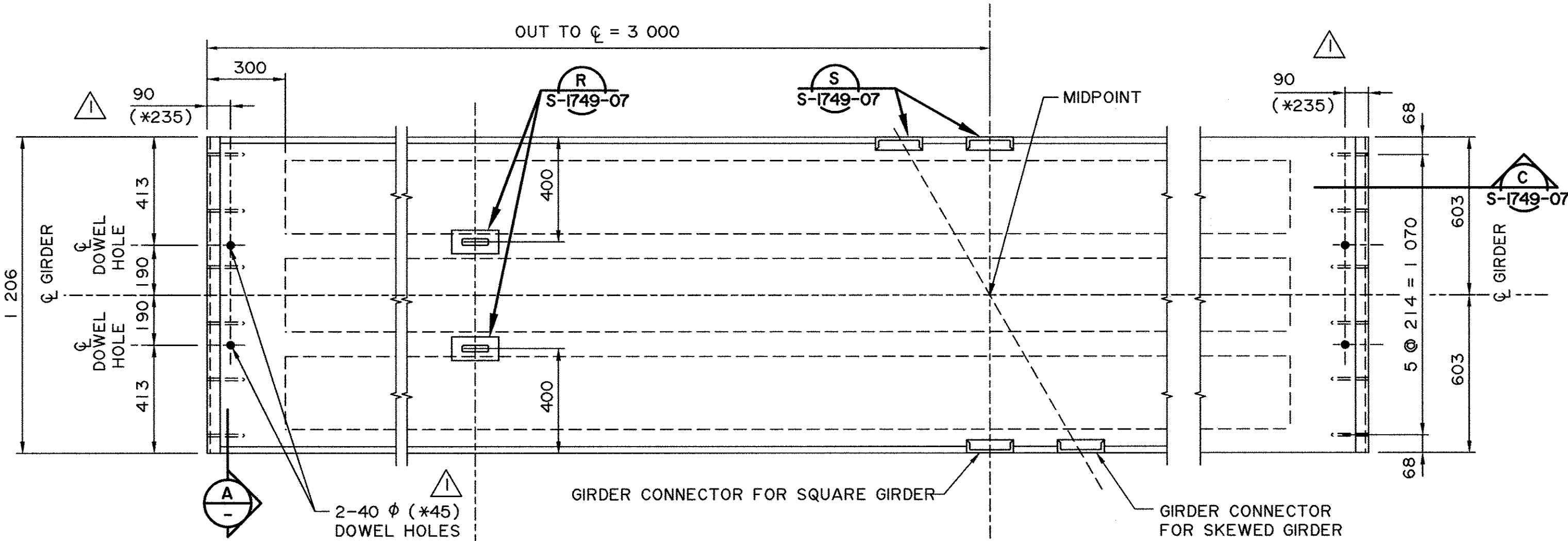
(ALL BAR DIMENSIONS ARE OUT TO OUT)



GENERAL NOTES

- FOR ADDITIONAL NOTES, REFER TO DWG S-1749-07.
- 12-15  $\phi$  7 WIRE STRANDS REQUIRED PER GIRDER.
- FORCE IN PRESTRESSING STEEL:  
INITIAL TENSION BEFORE RELEASE = 195 kN/STRAND  
DESIGN LOAD AFTER LOSSES = 158 kN/STRAND
- CALCULATED MASS OF ONE GIRDER = 6.68 TONNES

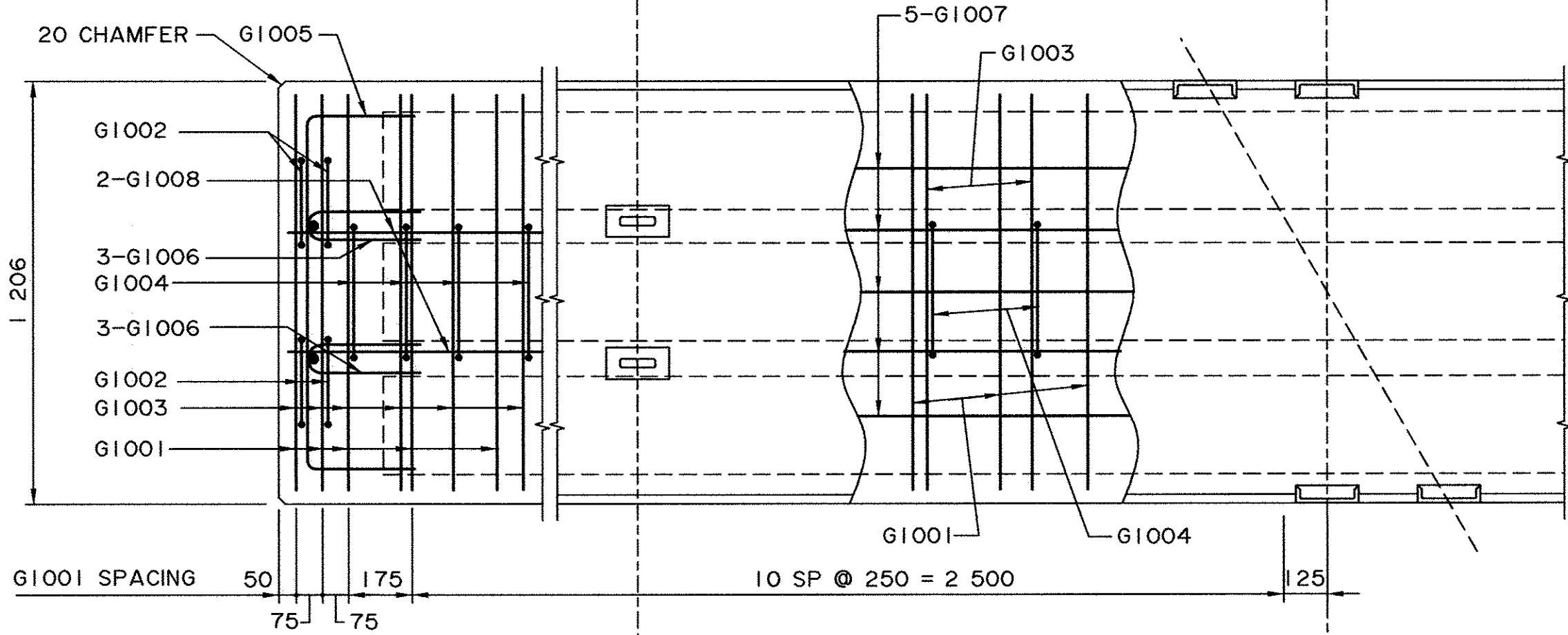
\* NOTE:  
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES  
SHALL BE 45 DIA WITH THE CENTERLINE  
OF HOLE LOCATED 235 FROM THE END OF GIRDER  
REFER TO STANDARD DRAWING S-1756 FOR  
ADDITIONAL DETAILS.



PLAN VIEW

1:15

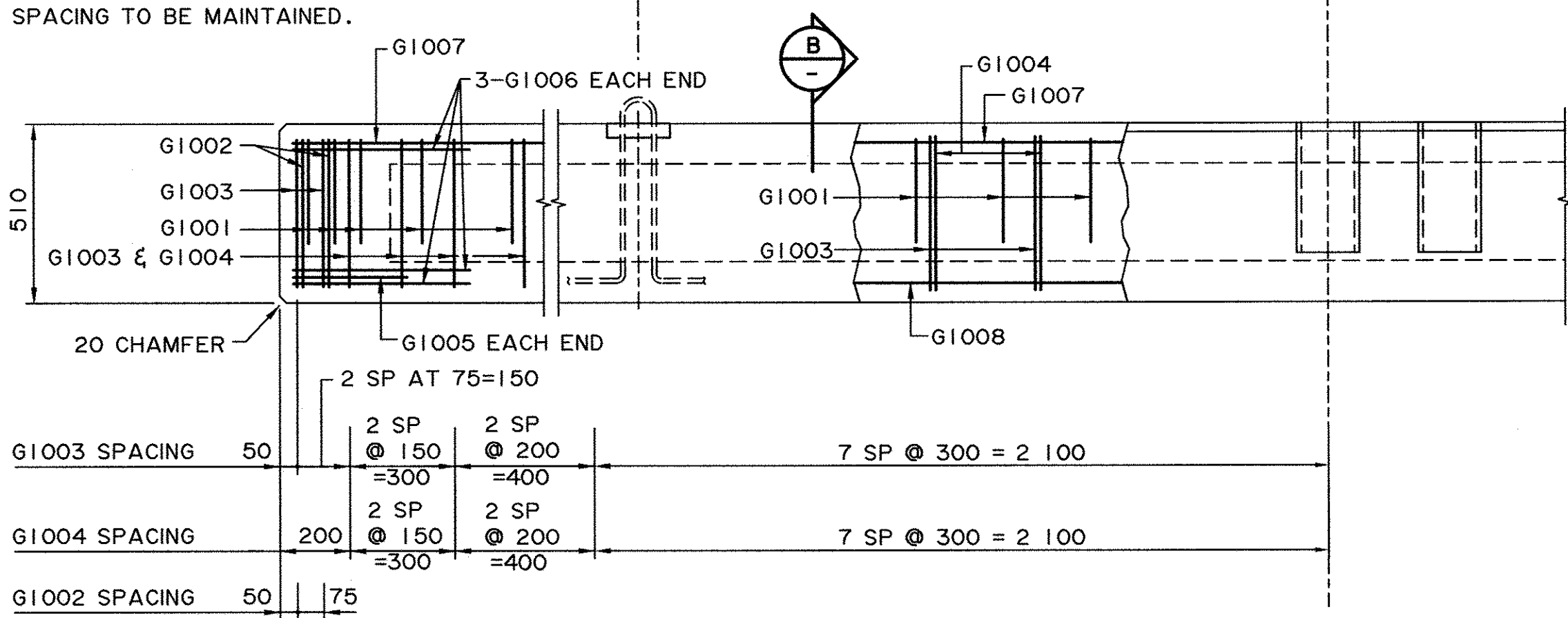
\* NOTE:  
FOR BACKWALL TYPE ABUTMENTS, DOWEL HOLES  
SHALL BE 45 DIA WITH THE CENTERLINE  
OF HOLE LOCATED 235 FROM THE END OF GIRDER  
REFER TO STANDARD DRAWING S-1756 FOR  
ADDITIONAL DETAILS.



REINFORCEMENT PLAN

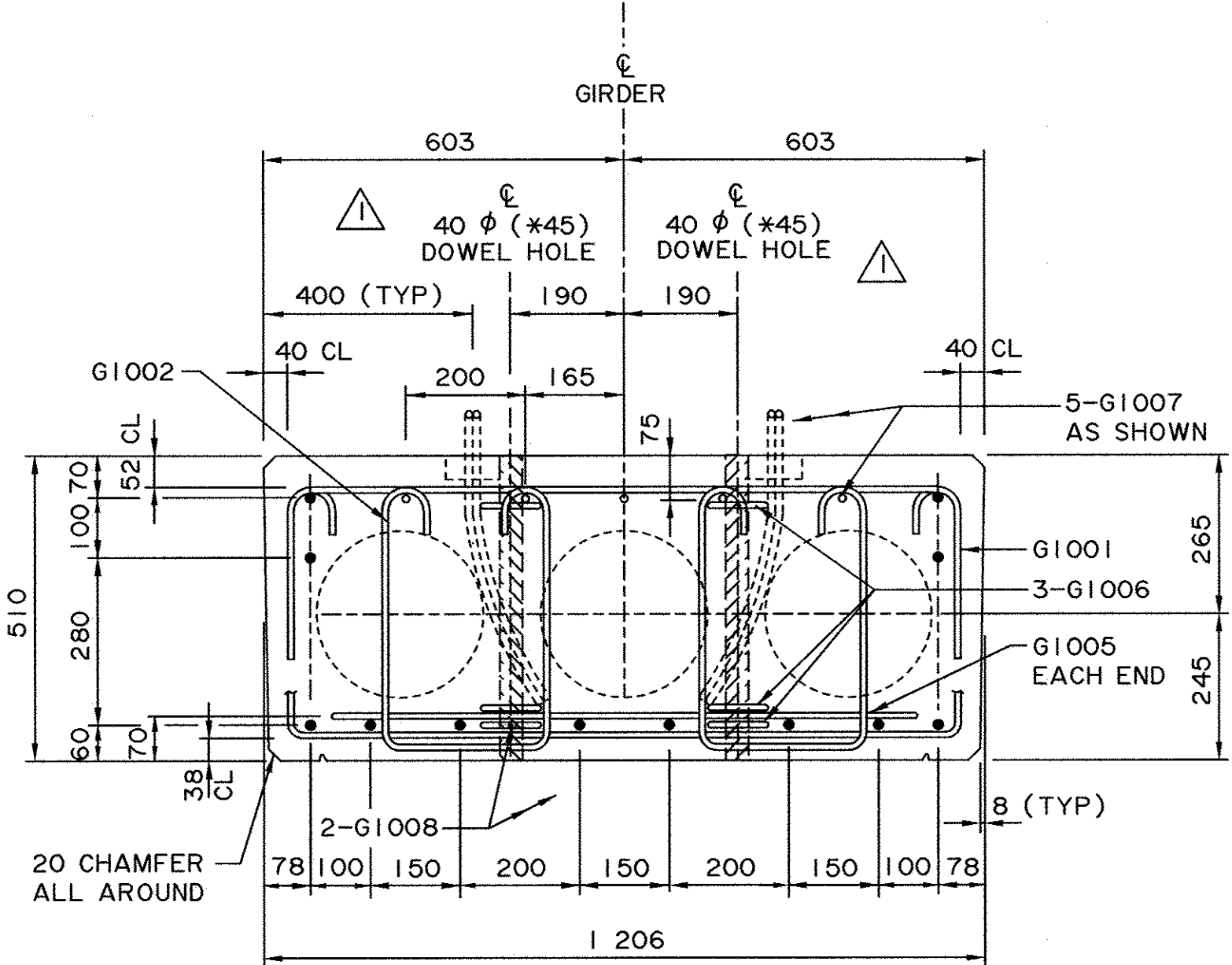
1:15

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



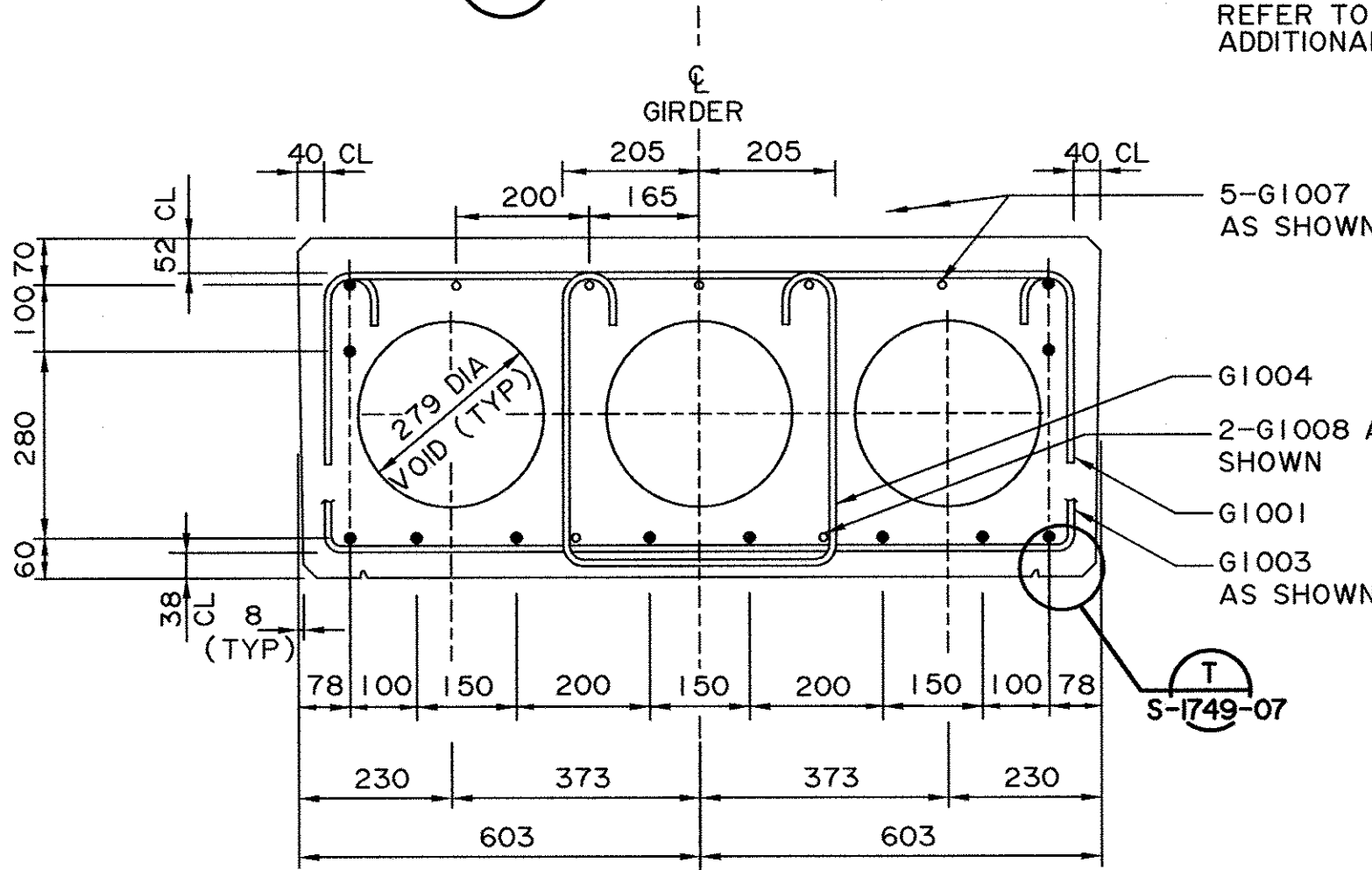
ELEVATION

1:15



SECTION A

1:10



SECTION B

1:10

• WORK THESE DRAWINGS TOGETHER : S-1723-07, S-1724-07 AND S-1749-07

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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  
ORIGINAL STAMPED AND SIGNED  
BY: Stuart Smith  
ON: AUG 1, 2007  
DATE

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

**Albarta** INFRASTRUCTURE AND TRANSPORTATION  
**PRESTRESSED CONCRETE**  
**6 m TYPE SL-510**  
**INTERIOR GIRDER**  
AI BAR CODE DATE SHEET DRAWING  
2007-06-07 1 of 3 S-1723-07