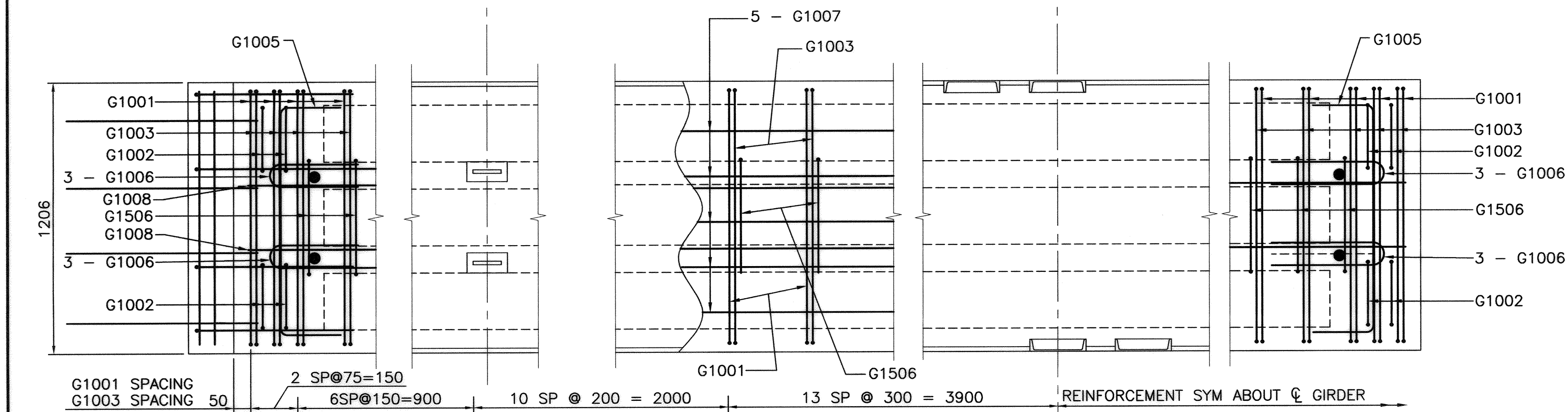
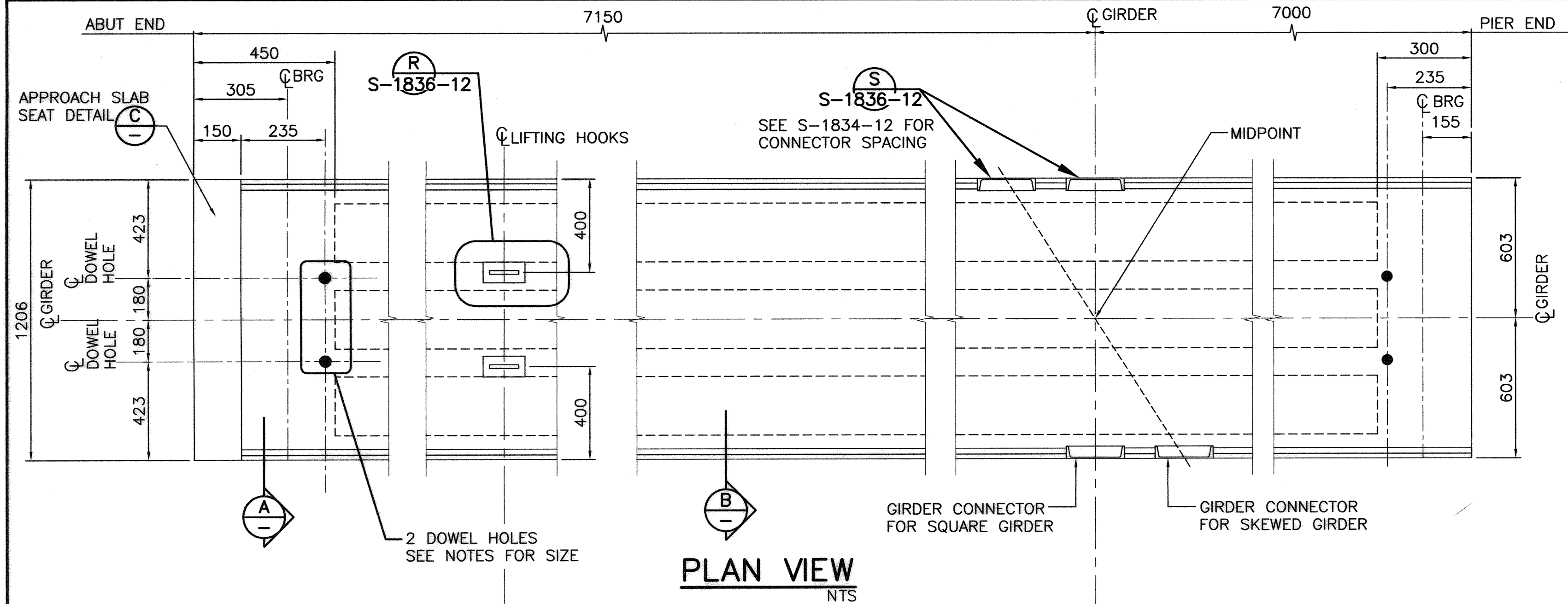
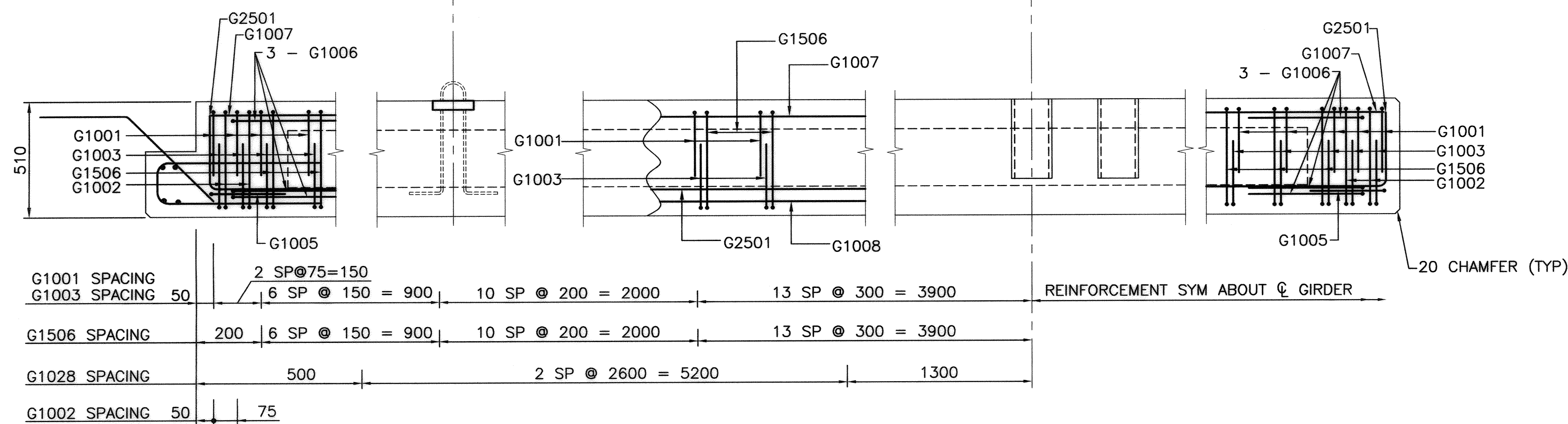


G:\CAD\115525\DESIGN\115525 S13-P.DWG 2011-12-13



NOTE:
ADJUST REINFORCEMENT WHERE NECESSARY TO ACCOMMODATE CHANNEL CONNECTORS. AVERAGE STIRRUP SPACING TO BE MAINTAINED

REINFORCEMENT PLAN



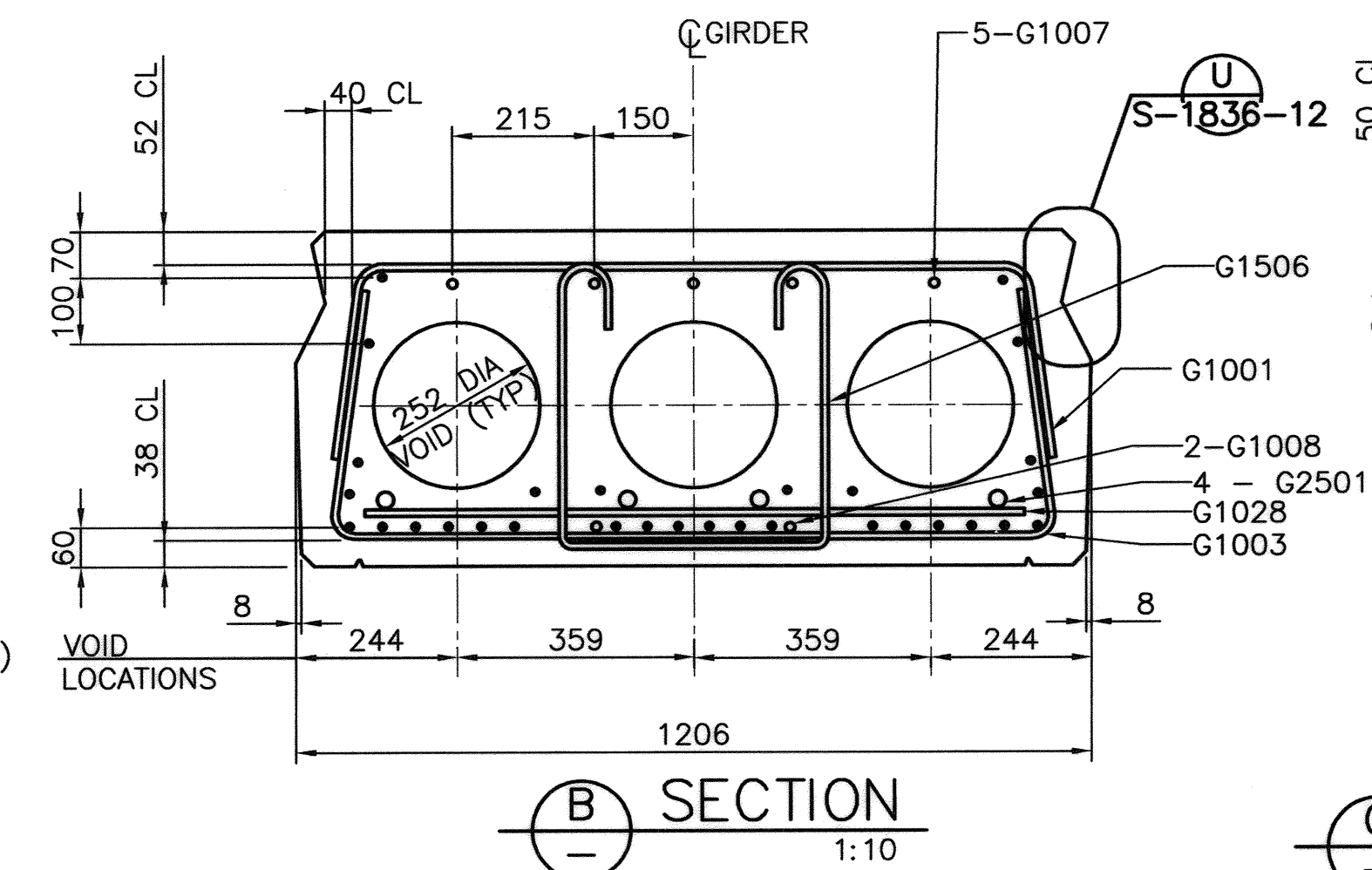
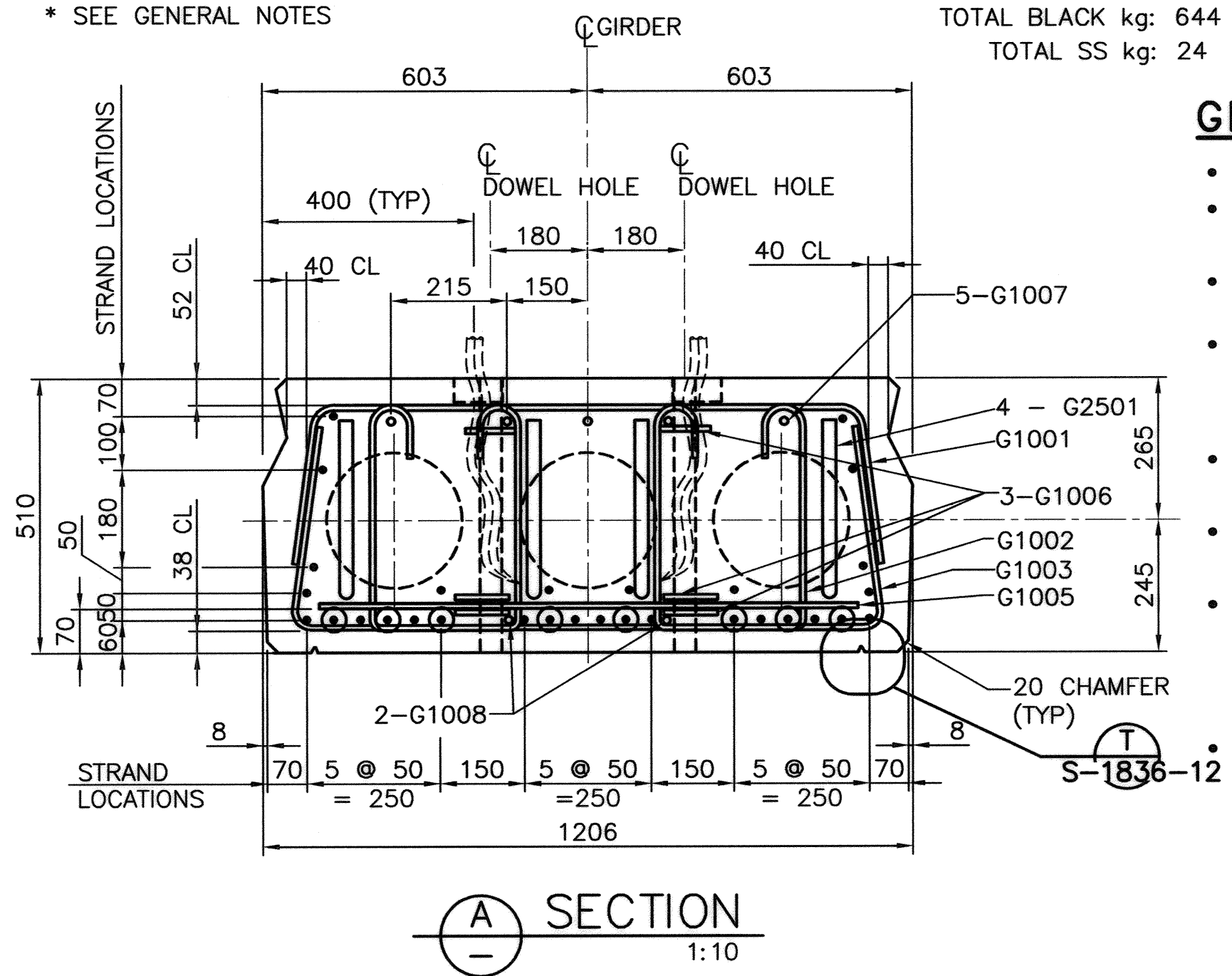
ELEVATION

NOTE:
SEE (C) FOR APPROACH SLAB SEAT REINFORCEMENT AND DIMENSIONS

BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	No.	TYPE	X	Y	LENGTH	MASS
G1001	10	63	F	1030	360	1700	84
G1002	10	8	B	280		1350	8
G1003	10	63	E	1095	360	1770	88
G1005	10	2	A	1000	300	1550	3
G1006	10	12	D			1140	11
G1007	10	5	STR			13900	55
G1008	10	2	STR			13900	22
G1028	10	6	STR			1100	5
G1501SS	15	4*	J	500	560	1060	7
G1502SS	15	4*	A	200	700	1515	10
G1503SS	15	4*	STR			1100	7
G1506	15	59	B	410		1530	142
G2501	25	4	A	13830	350	14400	226

* SEE GENERAL NOTES

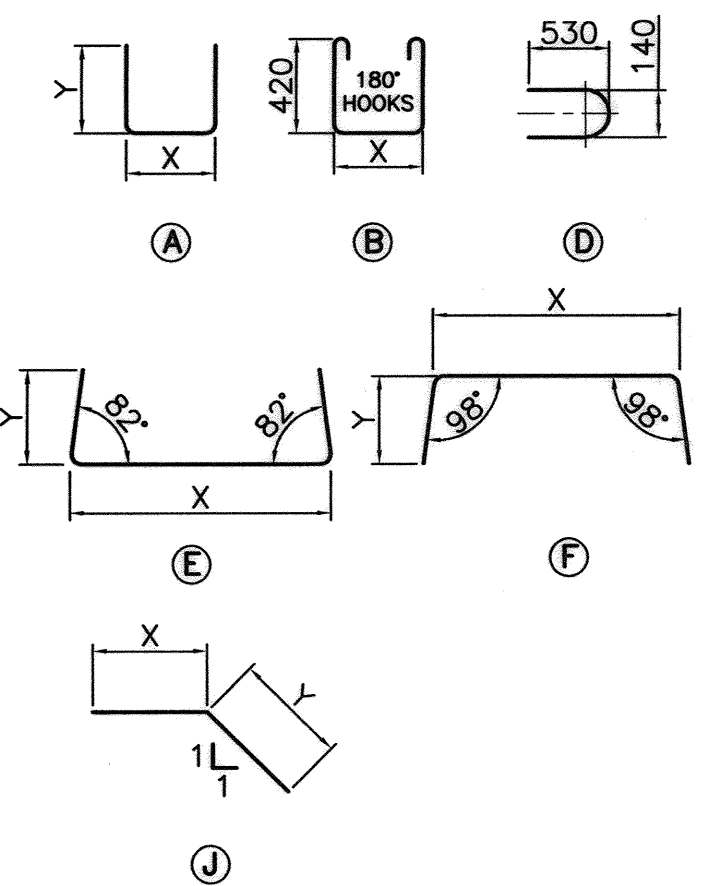
TOTAL BLACK kg: 644
TOTAL SS kg: 24



APPROACH SLAB SEAT

BAR TYPES

(ALL BAR DIMENSIONS ARE OUT TO OUT UNO)



GENERAL NOTES

- FOR ADDITIONAL NOTES, REFER TO S-1836-12
- 30 - 15 ϕ , 7 WIRE STRANDS REQUIRED PER GIRDER: 26 BOTTOM, 4 TOP
- STRANDS MARKED (C) DEBONDED FOR 1800 mm FROM THE GIRDER ENDS
- FORCE IN PRESTRESSING STEEL:
INITIAL TENSION BEFORE RELEASE = 193 kN/STRAND
DESIGN FORCE AFTER LOSSES = 133 kN/STRAND
- MAXIMUM TENSION IN BOTTOM FIBRE AT MIDSPAN = 2.19 MPa
- CALCULATED MASS OF ONE INTERIOR GIRDER = 16.12 TONNES
- BAR LIST ABOVE ASSUMES A GIRDER WITH ONE PIER END AND ONE ABUTMENT END. FOR A GIRDER WITH TWO PIER ENDS, BARS NOTED BY A * MAY BE ELIMINATED. FOR GIRDERS WITH TWO ABUTMENT ENDS, BARS NOTED BY * SHALL BE DOUBLED IN QUANTITY.
- DOWEL HOLES SHALL BE 40 ϕ FOR SPILL THROUGH TYPE ABUTMENTS AND 45 ϕ FOR BACK WALL TYPE ABUTMENTS

• WORK THESE DRAWINGS TOGETHER: S-1832-12, S-1833-12, S-1834-12, S-1835-12, S-1836-12, S-1837-12

	PERMIT TO PRACTICE DILLON CONSULTING LIMITED Date 2012-01-04 PERMIT NUMBER: P2528 The Association of Professional Engineers, Geologists and Geophysicists of Alberta	DESIGNER DATE 2012-01-04	CHECKER DATE 2012-01-04	RECOMMENDED DIRECTOR BRIDGE ENGINEERING 	Government of Alberta ■ Transportation		
		APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH DATE MAR 5/12					
AI BAR CODE					DATE 2012-01-04	SHEET 1 OF 6	DRAWING S-1832-12