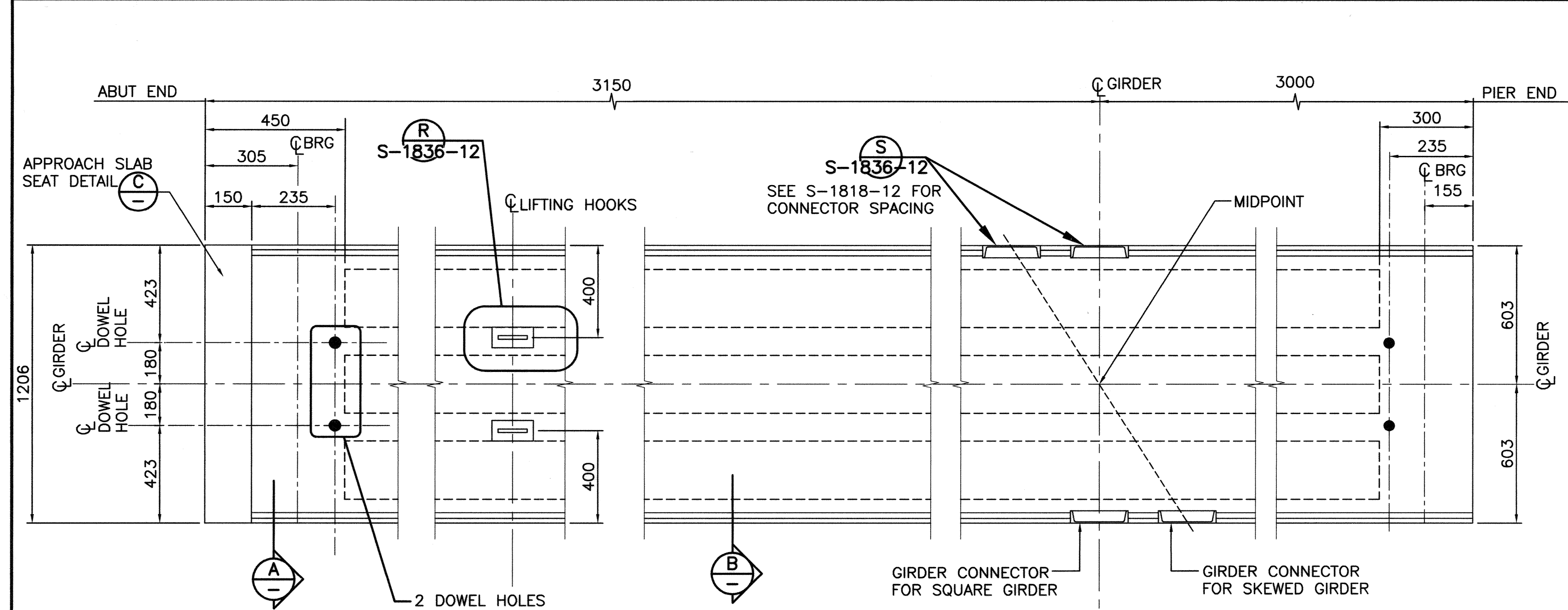
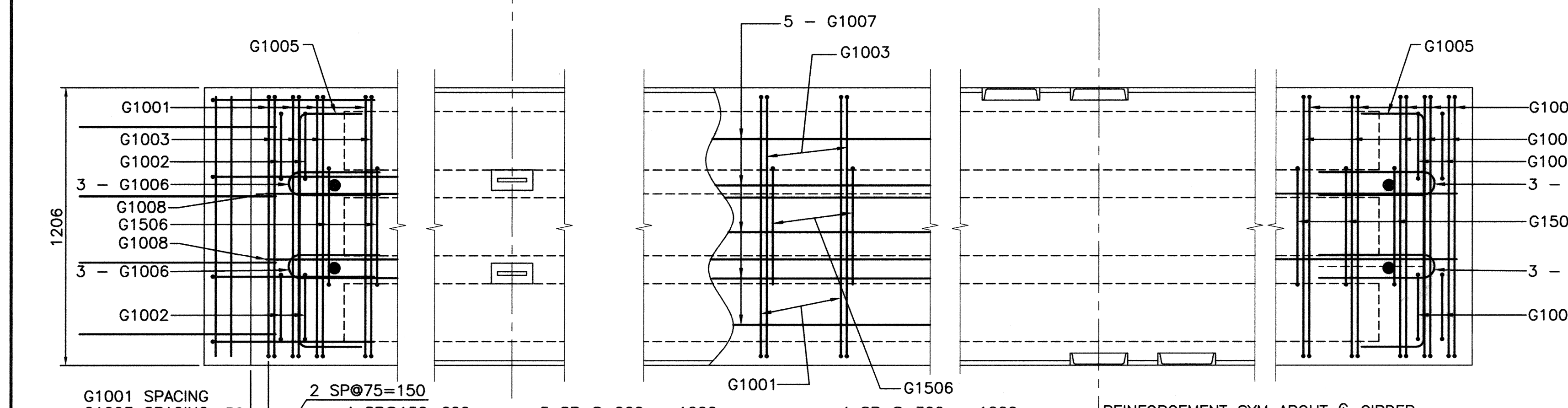


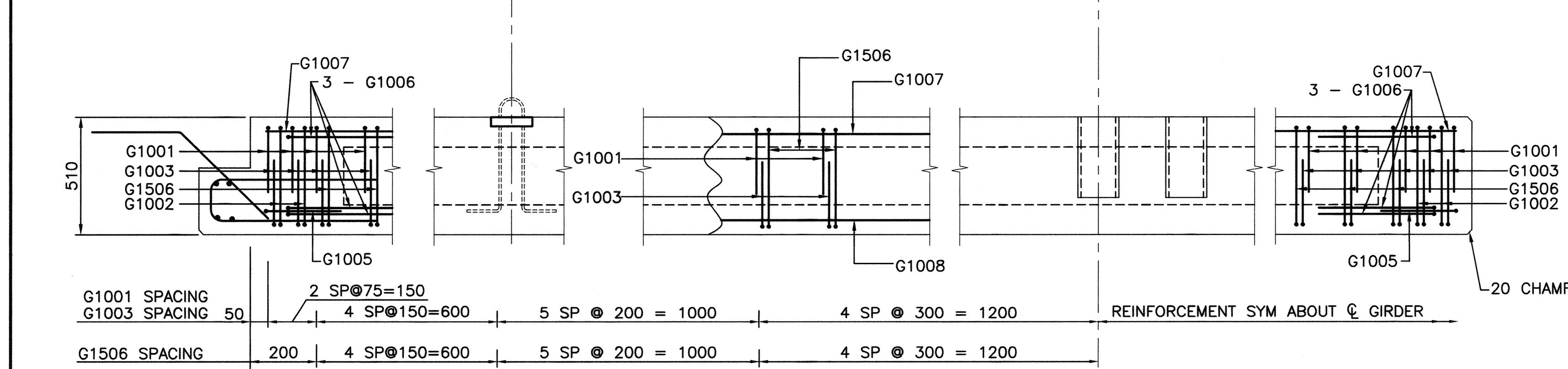


PLAN VIEW
NTS



REINFORCEMENT PLAN
NTS

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



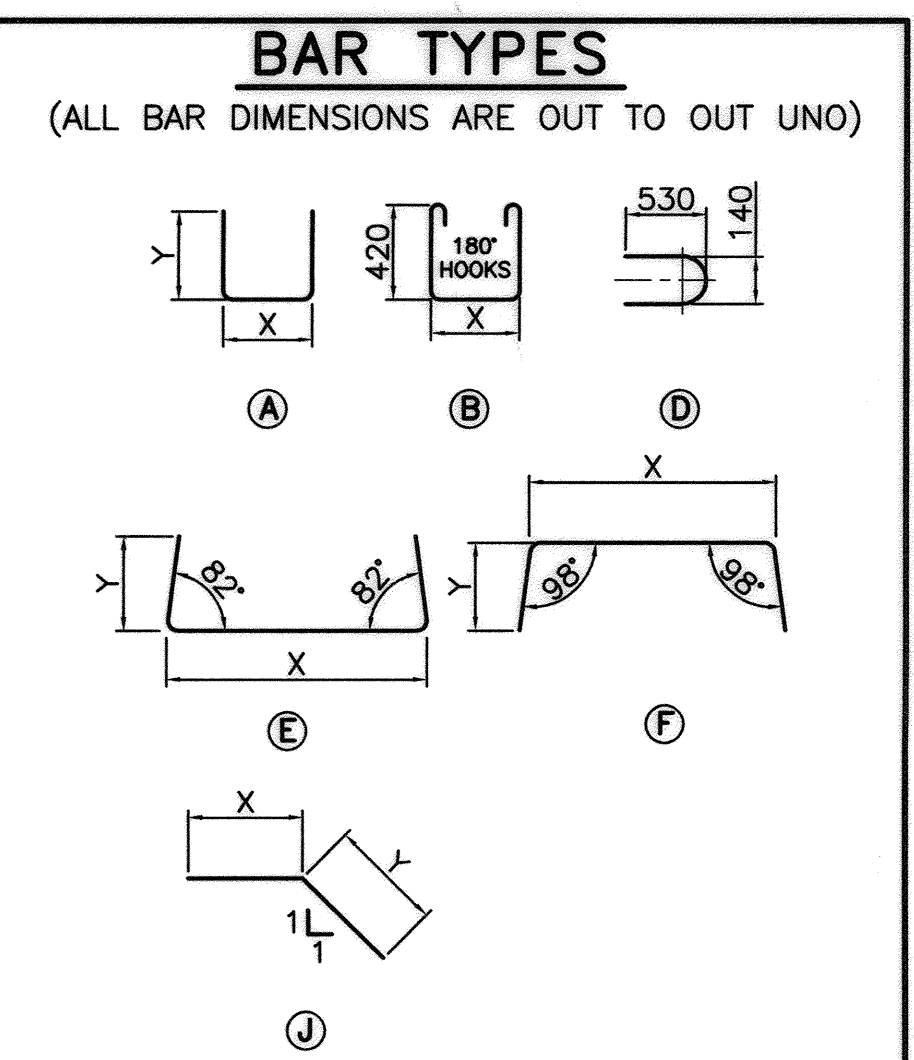
ELEVATION
NTS

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	31	F	1030	360	1700	41
G1002	10	8	B	280		1350	8
G1003	10	31	E	1095	360	1770	43
G1005	10	2	A	1000	300	1550	3
G1006	10	12	D			1140	11
G1007	10	5	STR			5900	23
G1008	10	2	STR			5900	9
G1501SS	15	4*	J	500	560	1060	7
G1502SS	15	4*	A	200	700	1515	10
G1503SS	15	4*	STR			1100	7
G1506	15	27	B	410		1530	65

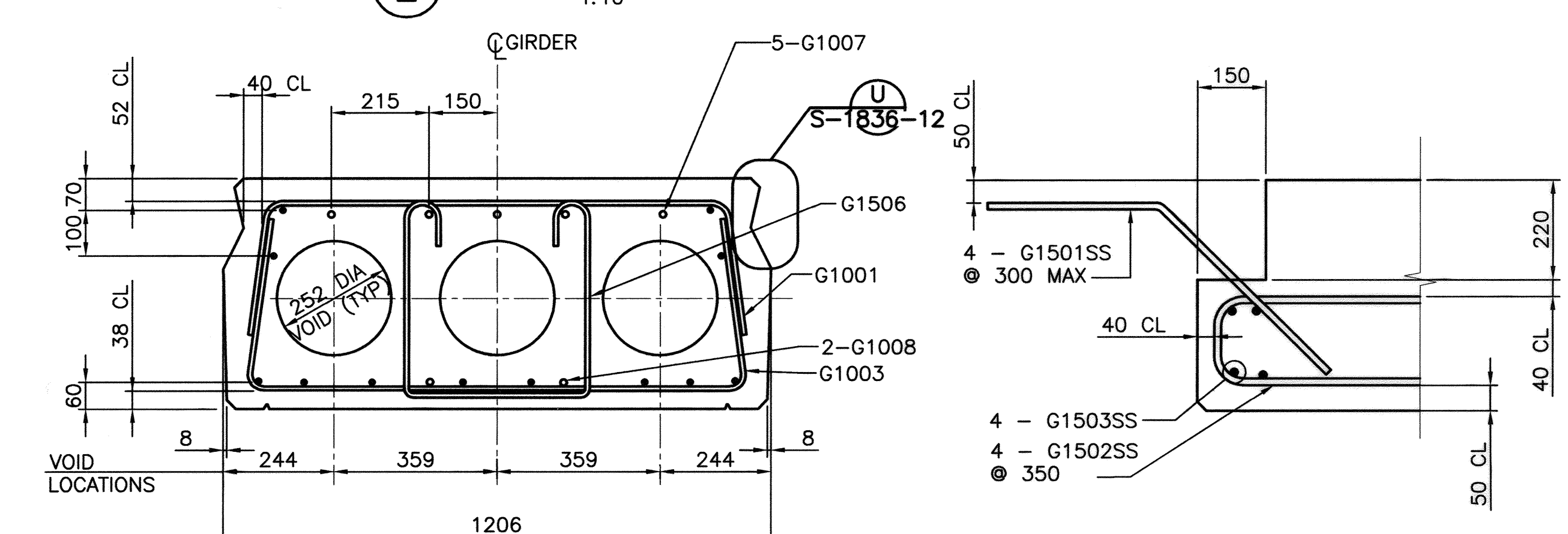
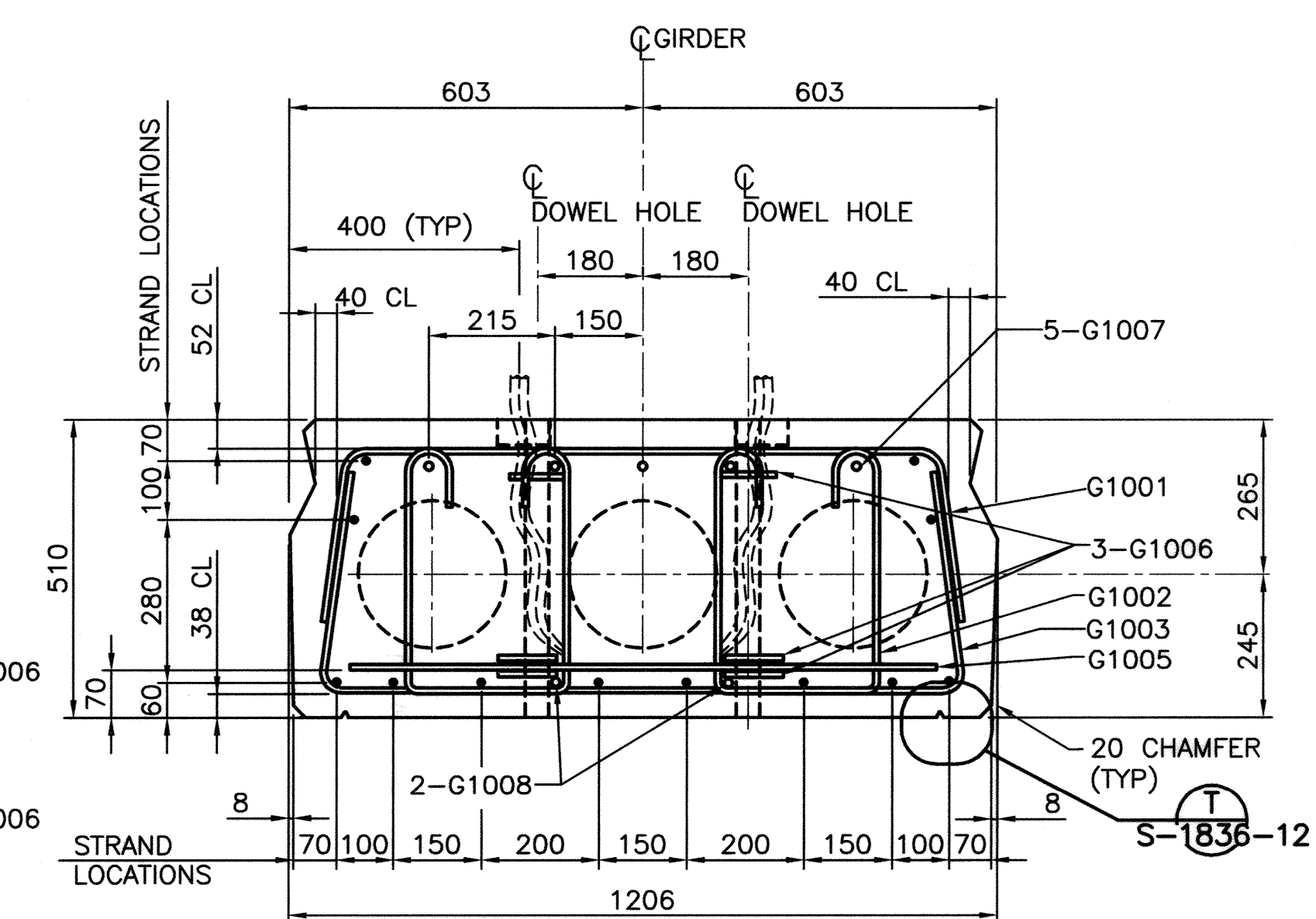
* SEE GENERAL NOTES

TOTAL BLACK kg: 203
TOTAL SS kg: 24



GENERAL NOTES

- FOR ADDITIONAL NOTES, REFER TO S-1836-12
- 12 - 15 ϕ , 7 WIRE STRANDS REQUIRED PER GIRDER: 8 BOTTOM, 4 TOP
- FORCE IN PRESTRESSING STEEL:
INITIAL TENSION BEFORE RELEASE = 193 kN/STRAND
DESIGN FORCE AFTER LOSSES = 162 kN/STRAND
- NO TENSION IN BOTTOM FIBRE AT MIDSPAN
- CALCULATED MASS OF ONE INTERIOR GIRDER = 7.04 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



SECTION C APPROACH SLAB SEAT
1:10

* WORK THESE DRAWINGS TOGETHER: S-1816-12, S-1817-12, S-1818-12, S-1819-12, S-1836-12, S-1837-12

2011-12-13
G:\CAD\115625\DESIGN\115625 S01-P.DWG

DILLON CONSULTING

PERMIT TO PRACTICE
DILLON CONSULTING LIMITED
Date 2012-01-04
PERMIT NUMBER: P2528
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

DESIGNER
PROFESSIONAL ENGINEER
KEVIN G. WILLIAMS
DATE 2012-01-04

CHECKER
PROFESSIONAL ENGINEER
JAMES A. SKELTON
DATE 2012-01-04

REV	DATE	REVISIONS	BY
6			
5			
4			
3			
2			
1			

RECOMMENDED
DIRECTOR BRIDGE ENGINEERING
D. Williamson

APPROVED
EXECUTIVE DIRECTOR
TECHNICAL STANDARDS BRANCH
Mark Fob

DATE MAR. 5/12

Government of Alberta Transportation

PRESTRESSED CONCRETE
6 m SLW-510
INTERIOR GIRDER

AI BAR CODE	DATE 2012-01-04	SHEET 1 OF 6	DRAWING S-1816-12
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