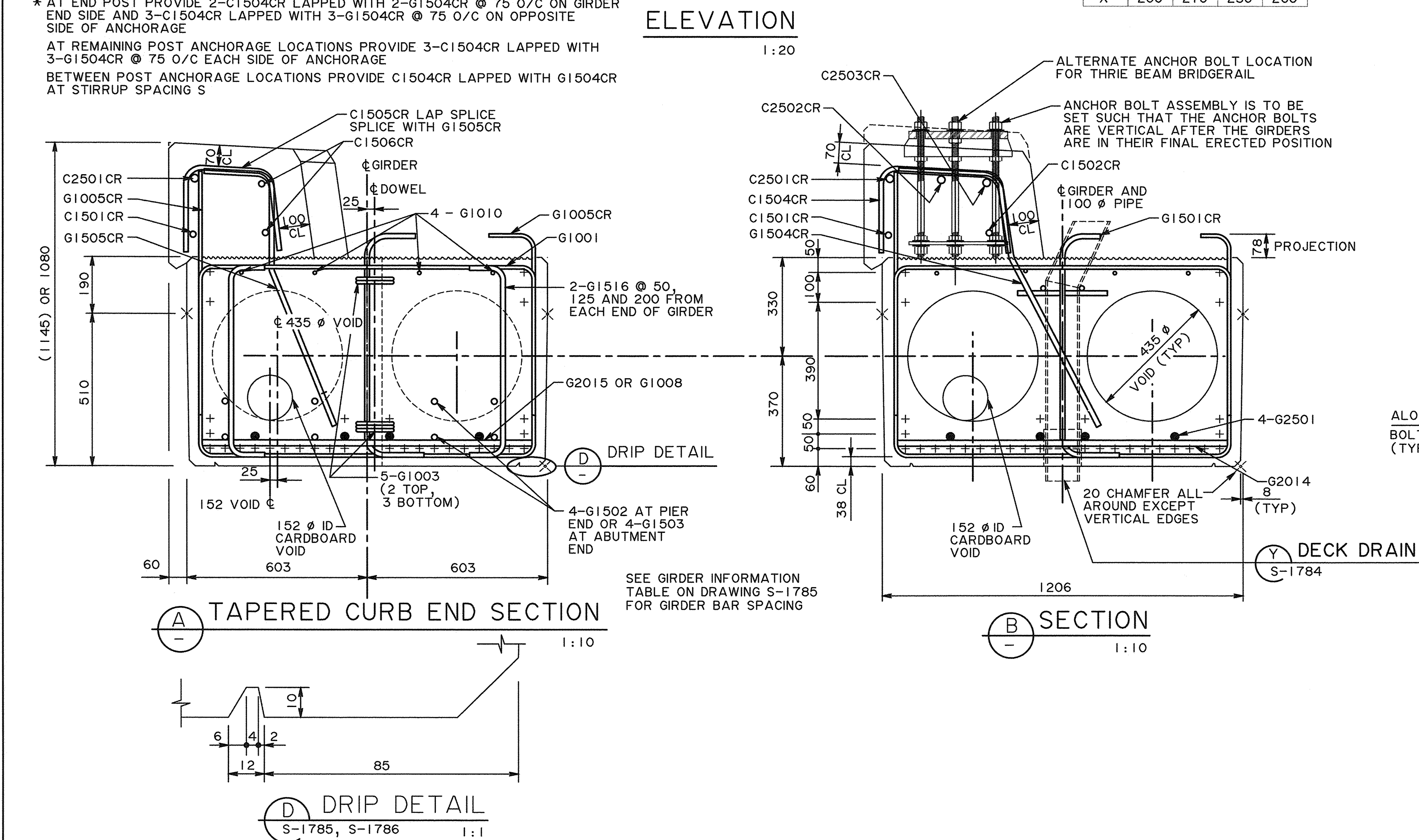
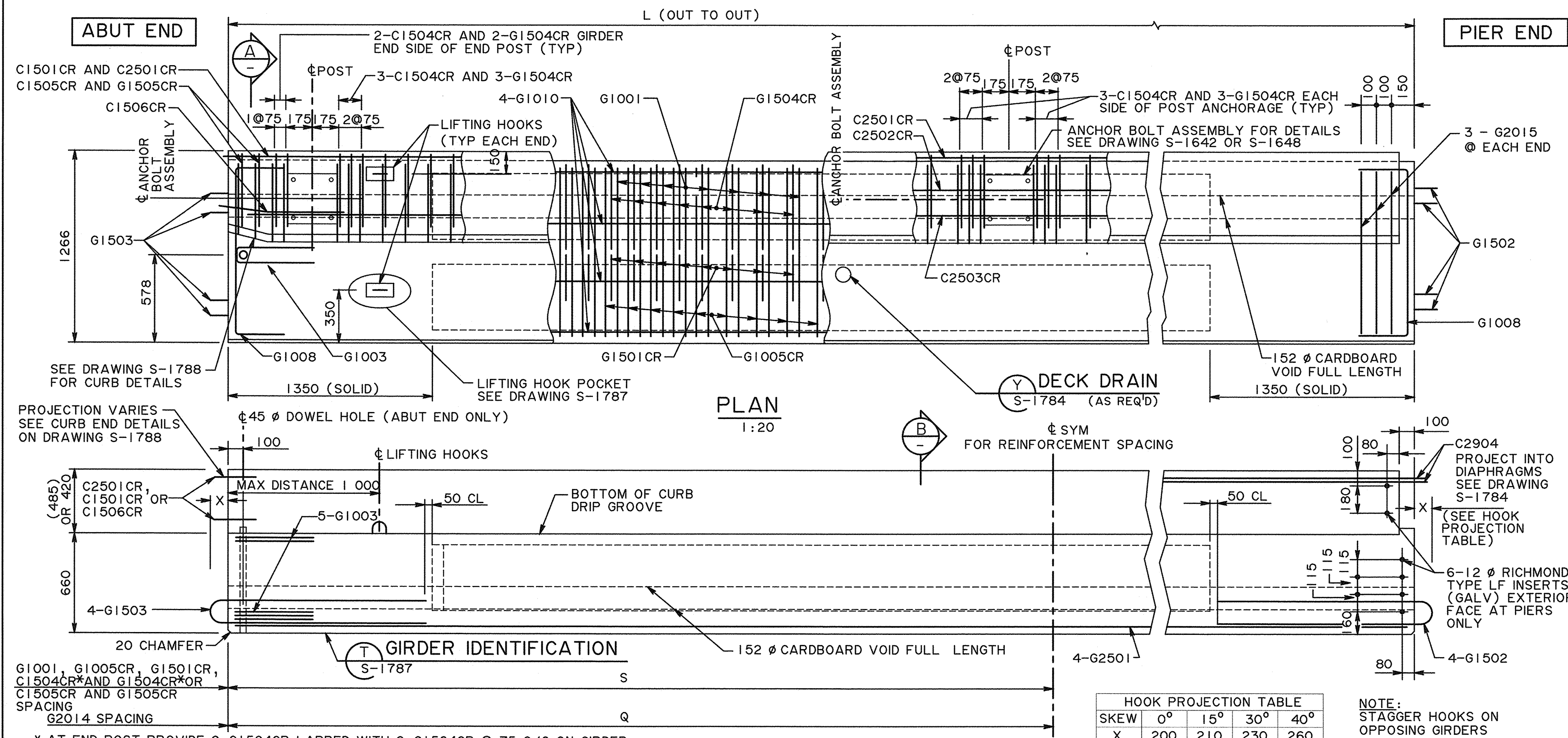


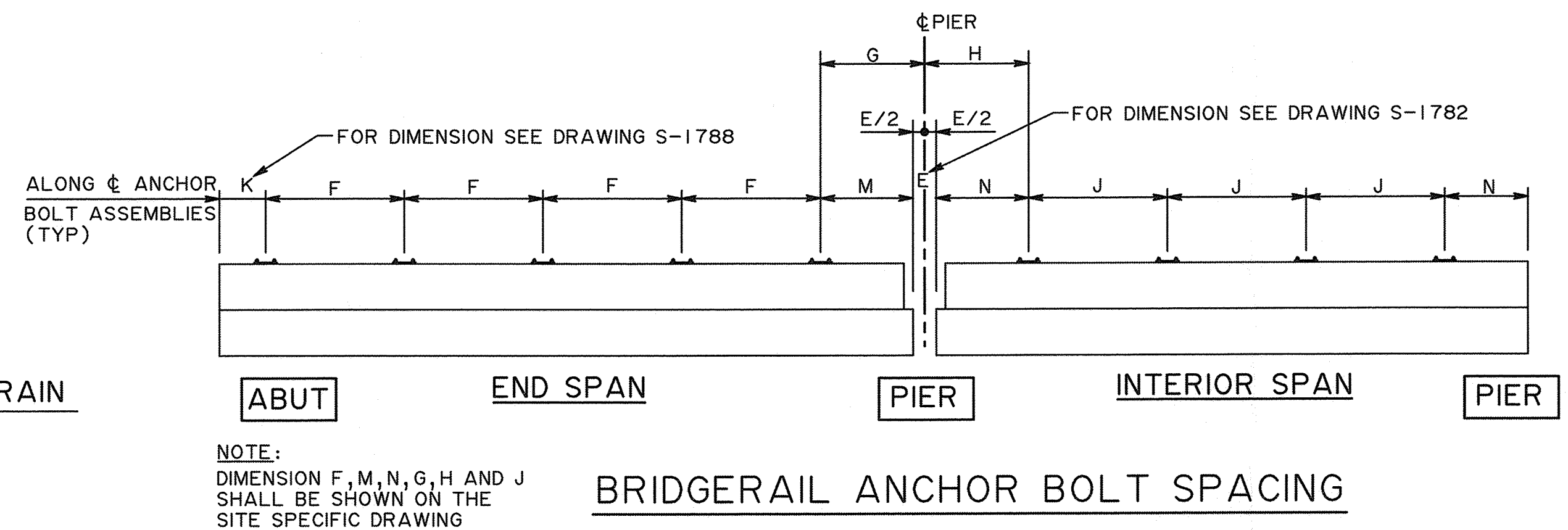


MARK	SIZE	TYPE	X	Y	LENGTH
G1001	10	A	1125	390	1905
G1003	10	J	100	510	1080
G1005CR	10	C	1125	-	2970 (3035)
G1008	10	A	1000	300	1600
G1010	10	STR	FULL LENGTH OF GIRDER		
G1501CR	15	N	740	170	1210
G1502	15	J	140	VARIES	VARIES
G1503	15	J	140	VARIES	VARIES
G1504CR	15	D			1244 (1309)
G1505CR	15	Q	150	VARIES	VARIES
G1516	15	S	630	140	910
G2014	20	STR			1100
G2015	20	STR			950
G2501	25	STR	FULL LENGTH OF GIRDER		
C1501CR	15	STR	FULL LENGTH OF GIRDER		
C1502CR	15	STR	FULL LENGTH OF GIRDER		
C1504CR	15	G	413	440 (446)	934 (1064)
C1505CR	15	G	VARIES	VARIES	VARIES
C1506CR		H			915
C2501CR	25	STR	FULL LENGTH OF GIRDER		
C2502CR	25	STR	FULL LENGTH OF GIRDER		
C2503CR	25	STR	FULL LENGTH OF GIRDER		
C2904	29	STR	(GALVANIZED DYWIDAG BAR) 2370		

-SUFFIX LETTER " CR " ON BAR MARK DENOTES CORROSION RESISTANT REINFORCING BARS

NOTE:

- FOR BAR TYPES SEE DRAWING S-1785
- FOR DIMENSIONS THAT VARY WITH CURB HEIGHT, DIMENSIONS ARE GIVEN AS:
XXX FOR 350 CURB
(XXX) FOR 415 CURB



GENERAL NOTES

MATERIALS

- GIRDER CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 7, PRECAST CONCRETE UNITS AND HAVE A 28 DAY STRENGTH OF 50 MPa AND A RELEASE STRENGTH OF 30 MPa
- CONCRETE FOR CURBS SHALL BE STANDARD WEIGHT CONCRETE WITH A 28 DAY STRENGTH OF 50 MPa
- PRESTRESSING STEEL SHALL BE 15 ϕ (15.2 mm), 7 WIRE LOW RELAXATION STRAND ($f_{pu} = 1860$ MPa) IN ACCORDANCE WITH ASTM A416
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH SECTION 5 OF THE CURRENT STANDARD SPECIFICATION FOR BRIDGE CONSTRUCTION (TACK WELDING OF STIRRUPS WILL NOT BE PERMITTED)

FABRICATION

- GIRDERS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 7 - PRECAST CONCRETE UNITS
- FABRICATORS SHALL INCLUDE ALL FABRICATION PRESTRESS LOSSES TO DETERMINE THE JACKING FORCE REQUIRED TO PROVIDE THE SPECIFIED INITIAL FORCE PER STRAND IMMEDIATELY PRIOR TO TRANSFER
- CURBS FOR CURB GIRDERS SHALL BE PLANT CAST AFTER RELEASE OF STRANDS
- SURFACE ROUGHENING OF GIRDER ENDS SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE CURRENT STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION
- FOR SKEW END DETAILS SEE DRAWING S-1787
- ALL EXPOSED CORNERS TO HAVE A 20 mm CHAMFER OR FILLET UNLESS OTHERWISE NOTED
- GIRDER CONCRETE SURFACE FINISHES SHALL BE IN ACCORDANCE WITH STANDARD DRAWING S-1852
- DECK DRAIN DETAILS AND LOCATIONS SHALL BE IN ACCORDANCE WITH STANDARD DRAWINGS S-1782 AND S-1784

ERECTION

- FOR THEORETICAL GIRDER WEIGHTS REFER TO STANDARD DRAWING S-1785
- LIFTING FORCE ANGLE SHALL NOT EXCEED 60° FROM HORIZONTAL
- GIRDER SHALL REMAIN LEVEL AT ALL TIMES

RECOMMENDED DIRECTOR BRIDGE ENGINEERING				Alberta Transportation		
APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH				STANDARD SLC COMPOSITE BRIDGES SLC700 PRESTRESSED CONCRETE GIRDERS CURB GIRDER		
REV	DATE	REVISION	BY	DATE	SHEET	DRAWING
DESIGNER	KA	CHECKER	BH	Oct 06, 2022	2020-11-17	5 OF 7
				S-1786-20		