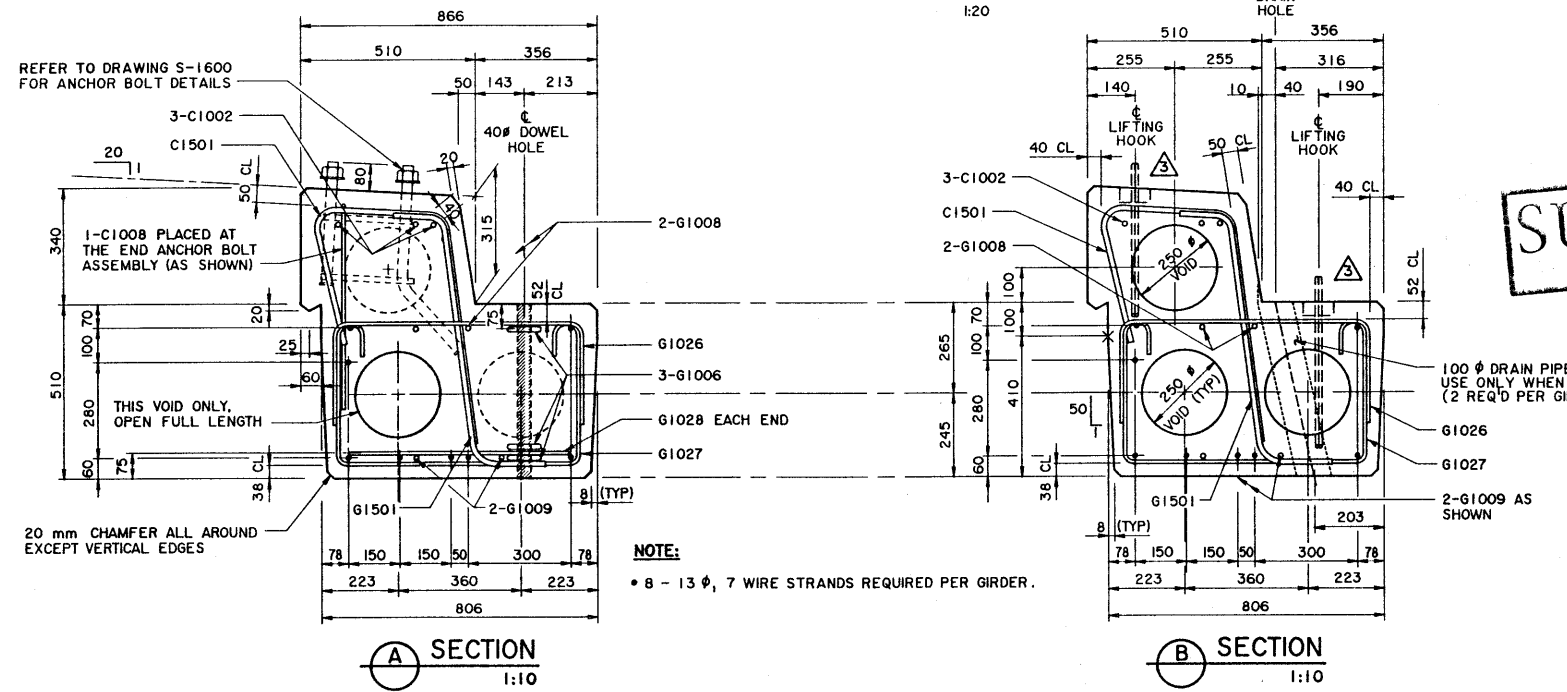
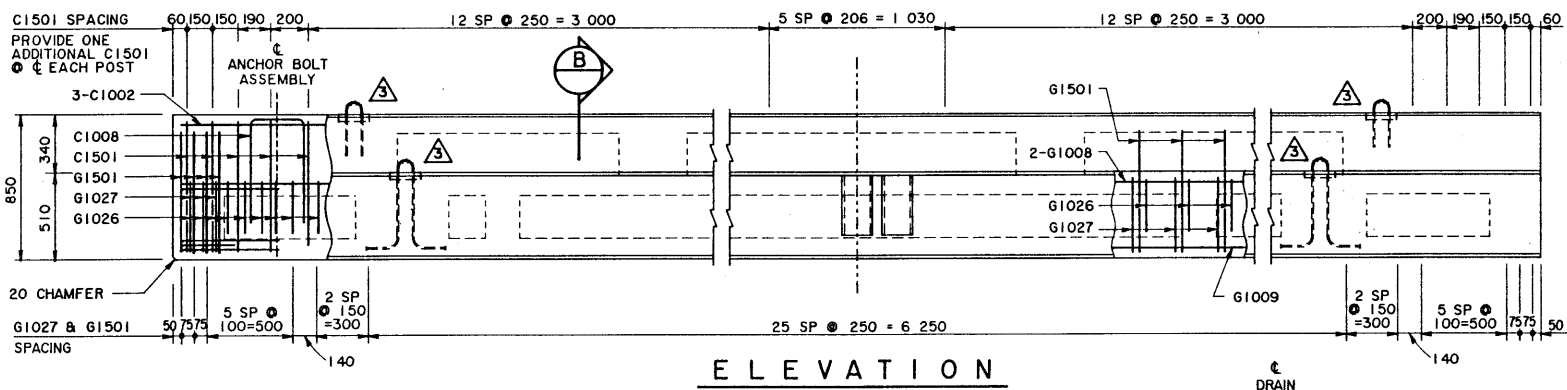
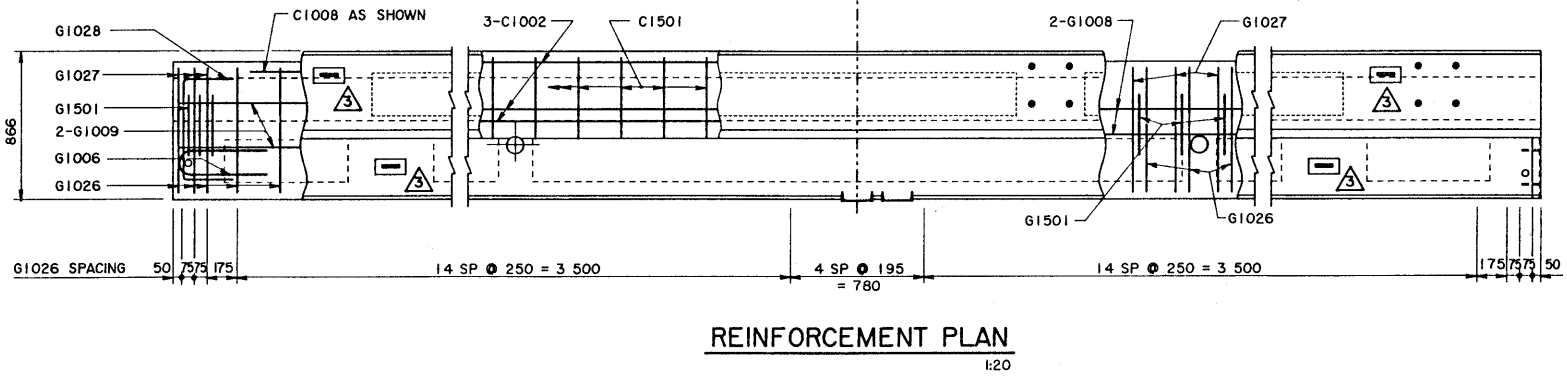
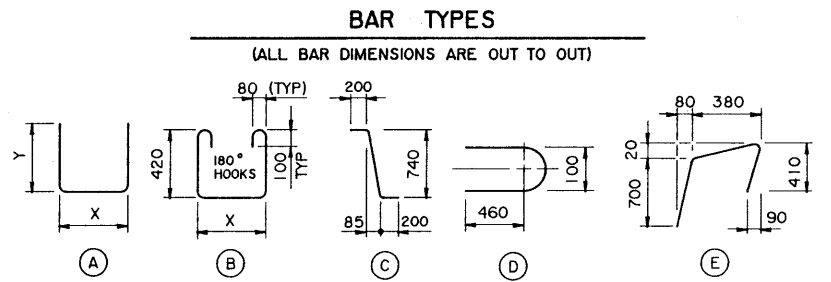
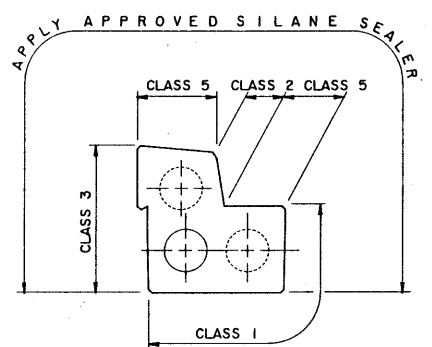


NOTE: BEND REINFORCING BAR WHERE NECESSARY TO ACCOMMODATE CHANNEL CONNECTORS. STIRRUP SPACING TO BE MAINTAINED.



BAR LIST: FOR SQUARE GIRDER							
MARK	SIZE	NO	TYPE	X	Y	LENGTH	MASS
C1002	10	3	STR			8 430	20
C1008	10	2	A	310	600	1 510	2
C1501	15	42	E			1 455	48
G1006	10	6	D			1 080	5
G1008	10	2	STR			8 430	13
G1009	10	2	STR			8 330	13
G1026	10	39	A	725	300	1 325	41
G1027	10	46	B	725		1 820	66
G1028	10	2	A	600	300	1 200	2
G1501	15	46	C			1 140	82

TOTAL kg : 292



GENERAL NOTES

- ALL DRAWING REFERENCES ARE TO CURRENT DRAWINGS.
- DESIGN
 - CAN/CSA-S6-88 SPECIFICATIONS EXCEPT AS MODIFIED BELOW:
 - ALLOWABLE TENSION AT MIDSPAN IS 40% OF MODULUS OF RUPTURE (SEVERE EXPOSURE CONDITIONS).
 - NO TENSION ALLOWED IN DECK SURFACE.
- LOADING:
 - LIVE LOAD - CAN/CSA-S6-88; CS-750
 - 0.8 WHEEL LINES PER GIRDER
 - DEAD LOAD - GIRDER = 0.86 t/m
 - WEARING SURFACE = 0.09 t/m
- MATERIALS
 - CONCRETE SHALL CONTAIN SILICA FUME AND BE MADE OF LIGHTWEIGHT COARSE AGGREGATE AND NATURAL SAND FINES. UNIT WEIGHT OF SEMI-LIGHTWEIGHT CONCRETE SHALL BE 1920 kg/m³.
 - 28 DAY CONCRETE STRENGTH - 35 MPa
 - RELEASE STRENGTH - 28 MPa
 - PRESTRESSING STEEL SHALL BE 13 φ, 7 WIRE LOW RELAXATION STRAND (f_{pu} = 1860 MPa).
 - REINFORCING STEEL SHALL BE GRADE 400W (YIELD STRENGTH OF GRADE 300 USED IN DESIGN TO ALLOW TACK WELDING OF SHEAR REINFORCEMENT).
- FABRICATION
 - GIRDERS SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE BRIDGE MATERIALS SPECIFICATION FOR THE MANUFACTURE OF PRESTRESSED CONCRETE BRIDGE UNITS (SPEC B190).
 - FORCE IN PRESTRESSING STEEL:
 - INITIAL TENSIONING LOAD = 129 kN/STRAND
 - DESIGN LOAD AFTER LOSSES = 113 kN/STRAND
 - CURB SHALL BE CAST MONOLITHICALLY WITH GIRDER.
 - ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN GIRDER AT SPACINGS SHOWN ON DRAWING S-1564.
 - ALL GALVANIZING SHALL CONFORM TO ASTM SPEC A123 OR A153 AS APPLICABLE.
 - BEND OR SHIFT REINFORCING WHERE REQUIRED TO CLEAR GIRDER CONNECTORS AND LIFTING HOOK ASSEMBLIES. STIRRUP SPACING SHALL BE MAINTAINED AT CONNECTOR AND LIFTING HOOK LOCATIONS SEE DWG S-1564.
- ERECTION
 - ANY FREE SPACE BETWEEN CONNECTORS SHALL BE FILLED WITH DROP-IN WASHERS.
 - CALCULATED MASS OF ONE GIRDER IS 7.8t.

SUPERSEDED
BY REVISION

SUPERSEDED

DESIGNED				DRAWN				DATE				CHECKED				DATE				APPROVED			
LEA				VMV				93-08-19				SBD				94-05-16				 EXECUTIVE DIRECTOR BRIDGE ENGINEERING			
REV		DATE		REVISIONS		BY		DATE		STREAM		LOCATION		HIGHWAY		FILE		SHEET		DRAWING			
94-04-05				LIFTING HOOK POCKET		LEA												2 OF 4		S-1563			
93-12-13				BAR LENGTH REVISED		SBD																	
93-08-27				CONNECTOR AND LIFTING HOOK LOCATION NOTE, BAR LIST REVISED		LEA																	