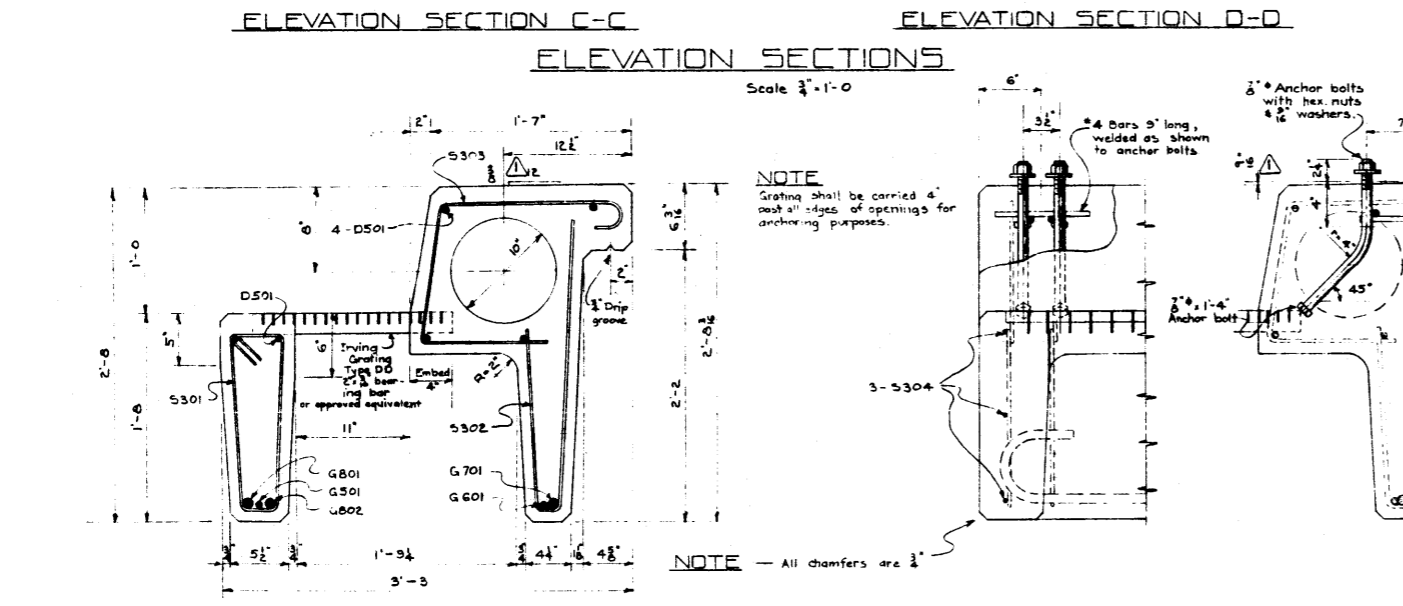
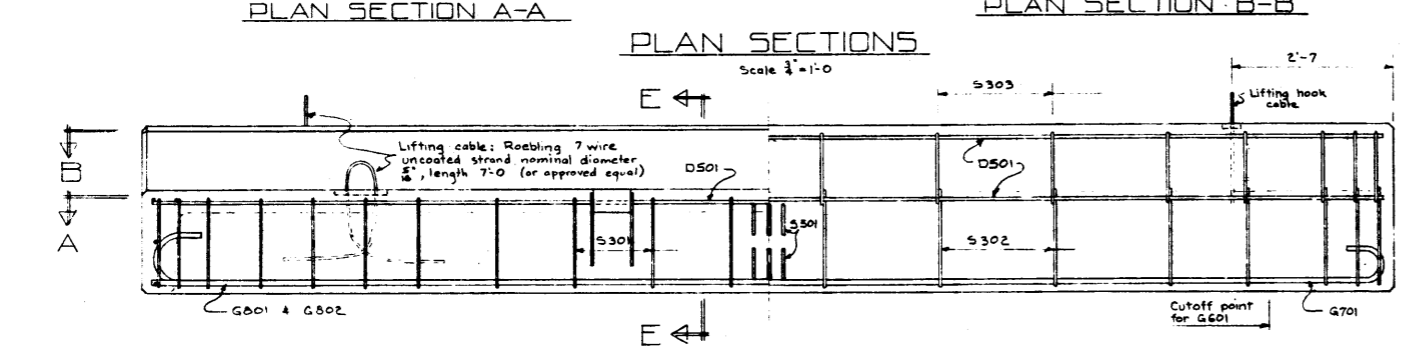
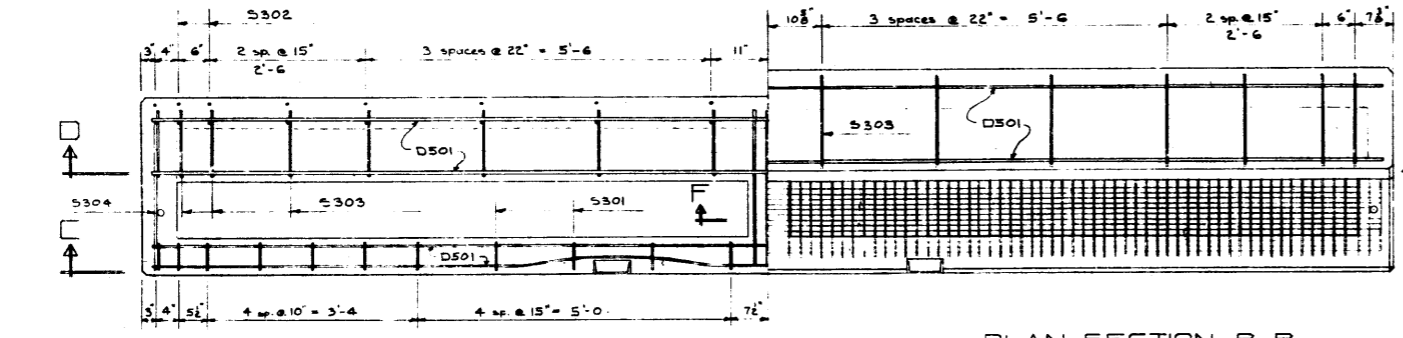
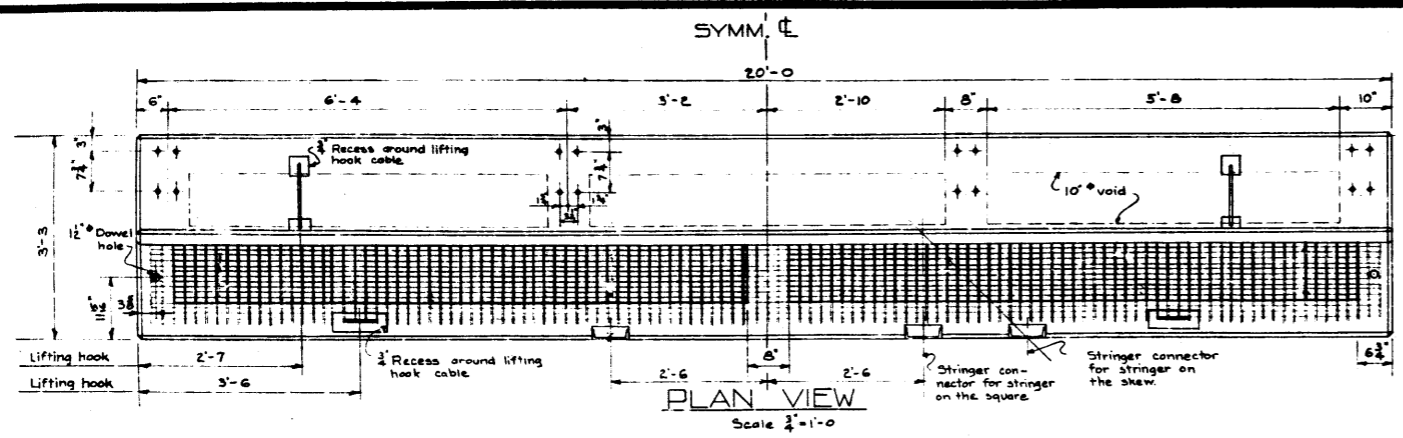
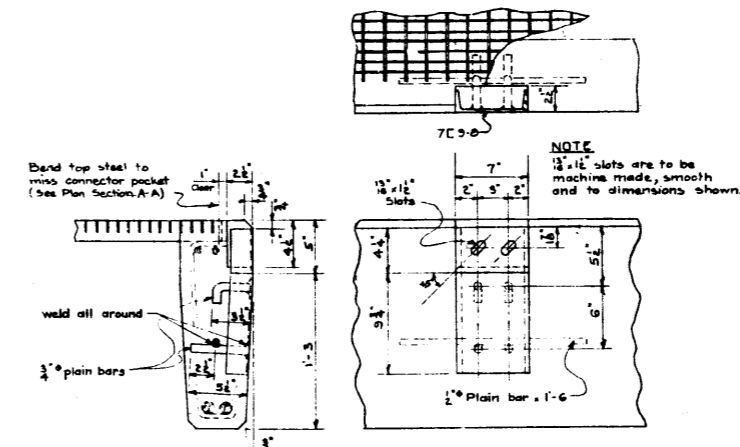


DESIGNED BY R. W. Lyons
 DATE July 19 52
 CHECKED BY R. W. Lyons
 DATE July 23 19 52

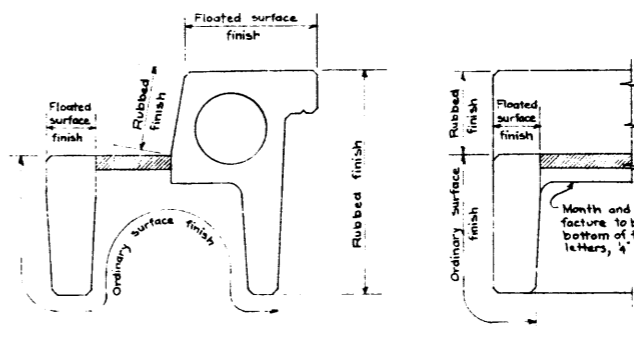


NOTE
 Grating shall be carried out past all edges of openings for anchoring purposes.

NOTE - All chamfers are $\frac{3}{8}''$



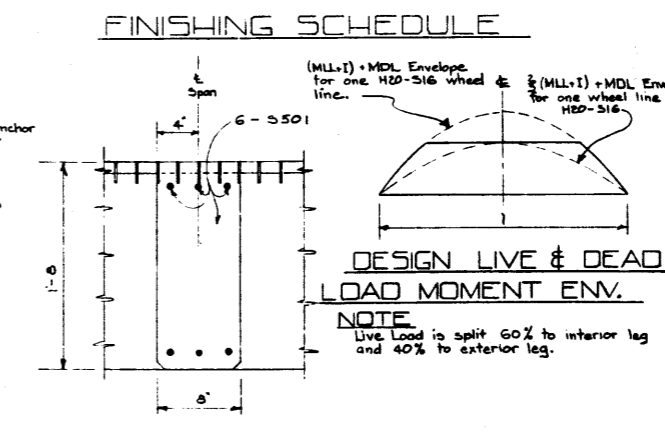
2 Required thus



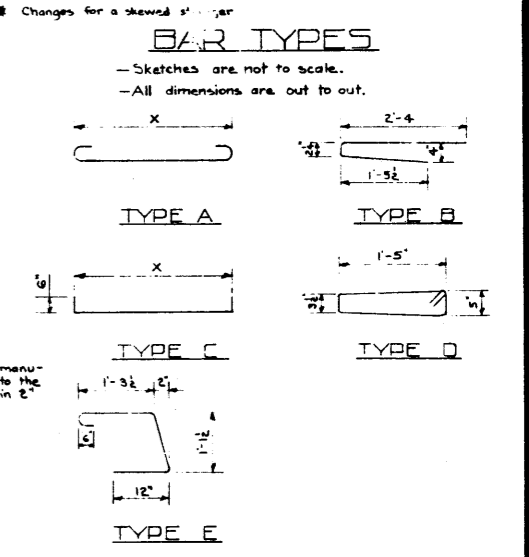
ORDINARY SURFACE FINISH - All fins and irregular projections from all surfaces to be removed. Honeycomb spots, broken corners or edges or other defects to be chipped out, cleaned and patched with a mortar of cement, fine aggregate and bonding compound.

FLOATED SURFACE FINISH - After concrete has been placed and rodded (or vibrated) to a dense compacted state, strike off to the proper cross section and float to a uniform finish with a wooden float. When concrete has hardened sufficiently, the surface shall be given a broom finish with the strokes perpendicular to the line of traffic.

RUBBED FINISH - Remove forms while concrete is green. Then paint and wet surface and rub with a wooden float until all irregularities and form marks are removed and the surface is covered with a leather composed of cement and water.



Mark	Size	No.	Type	X	Length	Weight
D 501	5	6	Str.		15'-0"	123
G 501	5	1	Str.		15'-0"	20
G 601	6	1	Str.		19'-0"	30
G 701	7	1	A	15'-0"	21'-4"	44
G 801	8	1	Str.		15'-0"	53
G 802	8	1	A	15'-0"	21'-10"	58
S 301	3	22	D		4'-2"	35
S 302	3	16	B		4'-0"	24
S 303	3	16	E		4'-0"	24
S 304	3	6	C	2'-7"	3'-6"	8
S 501	5	6	C	2'-7"	3'-6"	22
Total weight						441 lbs



GENERAL NOTES

DESIGN

- A.A.S.H.O. 1961 where applicable.
- Loading: H20-S16-44 plus full dead load

MATERIALS

- All concrete materials shall conform to A.S.T.M. specifications.
- Concrete shall be of standard weight aggregate with maximum size $\frac{3}{4}''$. Minimum compressive strength shall be 5000 p.s.i. at 28 days. Entrained air shall be not less than 4.5% nor greater than 6.5%.
- Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification: S301-1954 or G302-1954 and deformations to conform to G306-1954.

FABRICATION

- Concrete must reach 30% of the required 28 day compressive strength before stripping and lifting.
- Concrete must reach 65% of the required 28 day compressive strength before shipping.
- Stringers shall have no formed camber.
- All acute corners on skewed girders shall have $\frac{3}{8}''$ chamfer.
- Bar bending details shall conform to A.C.I. Standards unless otherwise noted.
- Concrete test cylinders shall be tested by an independent testing laboratory. Copies of all test results shall be forwarded to the Bridge Branch.
- Tests shall be taken at the rate of one cylinder for each two stringers, with no less than two cylinders for each day's pouring.
- Connectors and bolts are to be supplied by the stringer fabricator.
- Bolts are to be placed with one washer under the head and one washer under the nut.
- Fill any free space between connectors with washers.
- Each connector shall have 1 - 2" x $\frac{3}{4}''$ x 4" T. bolt with a nut and 3 washers, conforming to A.S.T.M. specification A 325

PRECAST CONCRETE
 20 FT. SPAN TYPE 'HC'
 CURB STRINGER WITH GRATING

GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS
 BRIDGE BRANCH, EDMONTON

FILE NO.	REV. NO.	DWG. NO.
LOCATION	SCALE As Shown	5-818
STREAM	SHEET	

NO.	DATE	DESCRIPTION	BY
	Oct 20/65	Curb slope	BG
REVISIONS			