

GENERAL NOTES =

DESIGN

Specifications: Recommendations of the A C I - A S C E Joint Committee and an allowable tension in the extreme top fiber of:
 (a) 0.00fc at time of transfer
 (b) 0.04fc under final dead & live load conditions
 Loading: A A 540, H10-516-44.
 No allowance has been made for wearing surface.

MATERIALS

Prestressing steel is to conform to the requirements of ASTM specification A 421-56T (Tensile strength 150,000 p.s.i.)
 Mild steel reinforcing is to conform to the requirements of C.S.A. Specification G 20.1 for intermediate grade reinforcing. Mild steel reinforcing is to be deformed in accordance with the requirements of C.S.A. Specification G 30.6.
 The stringer concrete is to have a cylinder strength at 4000 p.s.i. before the prestressing force is transferred. Concrete to have a 28 day strength of 5000 p.s.i.
 Maximum size of aggregate to be 3/4".
 Stress-Strain Curves: A copy of the manufacturer's stress-strain curve for each lot of prestressing steel used and the location of each lot used, shall be supplied to the Dept.

FABRICATION

All acute corners on skewed girders to have 5/8" chamfer. 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 each two stringers with not less than two cylinders for each day's pouring.

Construction procedures are to comply with chapter 4 of the A C I - A S C E Joint Committee Recommendations.
 Stringers are to be constructed under the direction of a qualified Engineer.
 Initial jack forces shall be 16,850 lbs/strand for the top strands and 16,850 lbs/strand for the bottom strands.
 Exterior face of exterior stringers to be finished to a smooth, hard uniform color and texture, dense surface finish. Other surfaces to have all pockets filled and all fins removed.
 Stringer Marks - Each stringer shall be marked with a number, 3" high and 1/4" deep, cast in the bottom of the stringer 6" from one end. Stressing data shall be supplied for each stringer, and where applicable, the lot of prestressing steel shall be indicated on the stressing data sheet.

NOTE: STRINGER TO BE LIFTED IN ACCORDANCE WITH THE REQUIREMENTS OF DWG. 5760

**PRESTRESSED CONCRETE
 25 FT. SPAN
 TYPE 'K' STRINGER**

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE 3/32" = 1'-0" _____
 STREAM _____ SHEET _____ OF _____

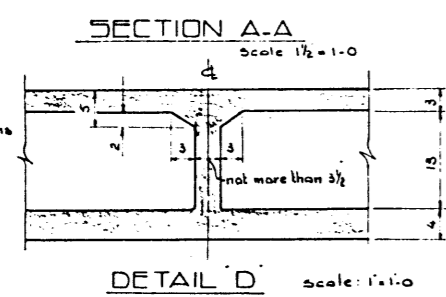
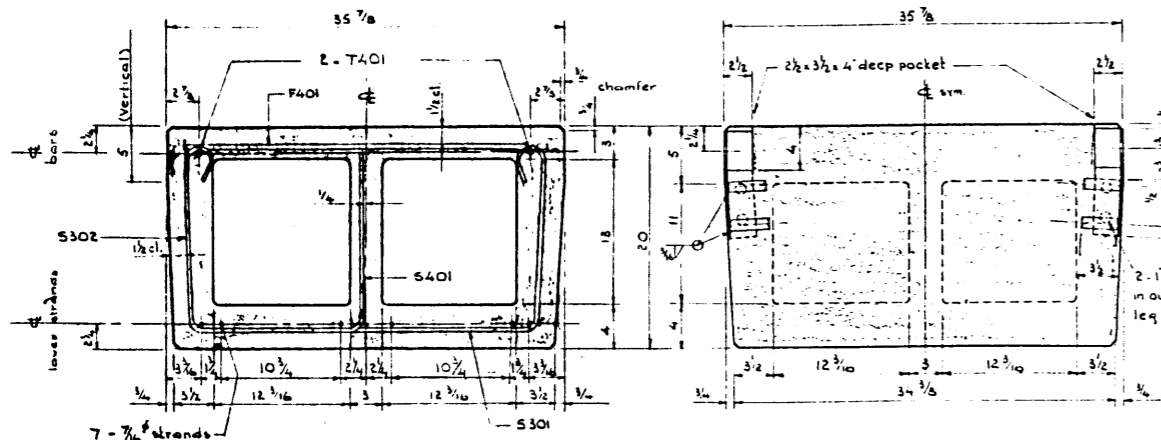
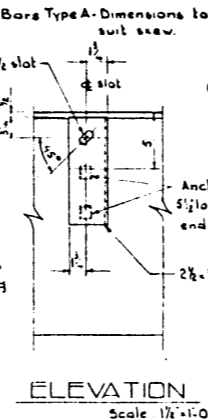
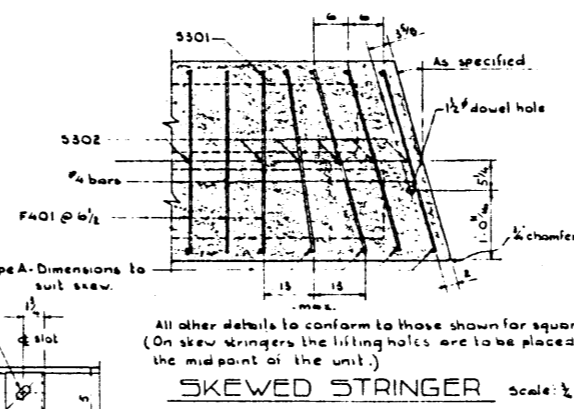
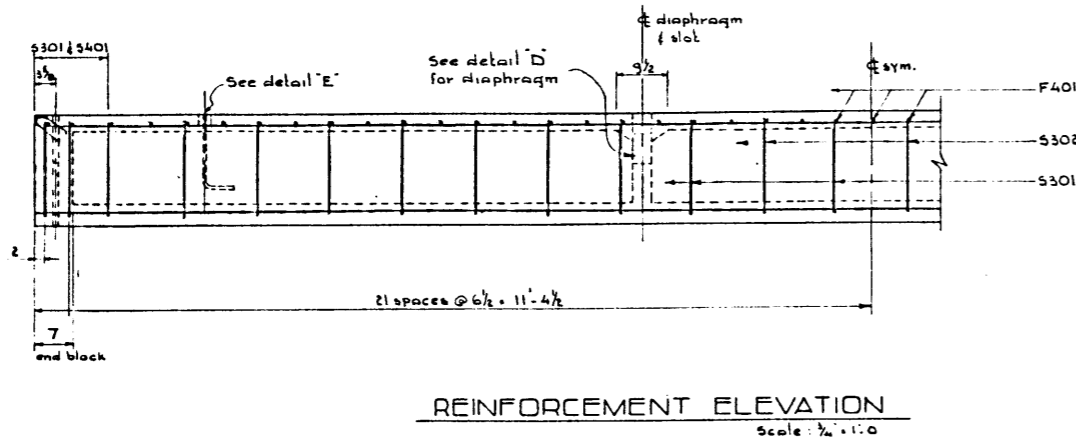
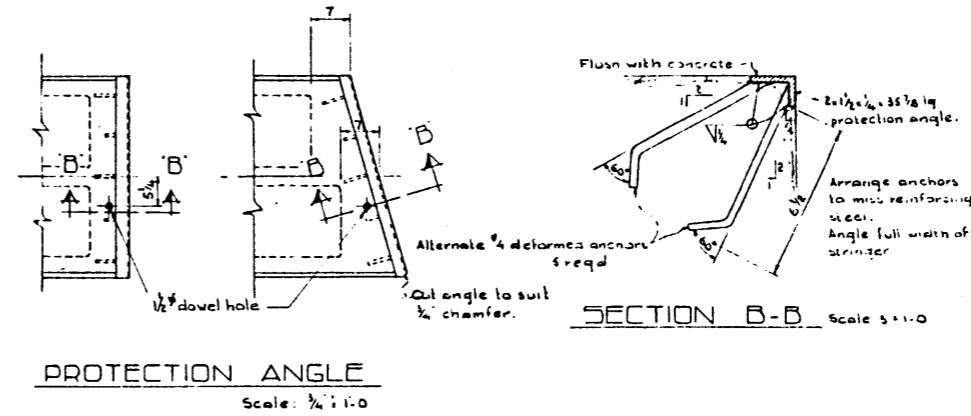
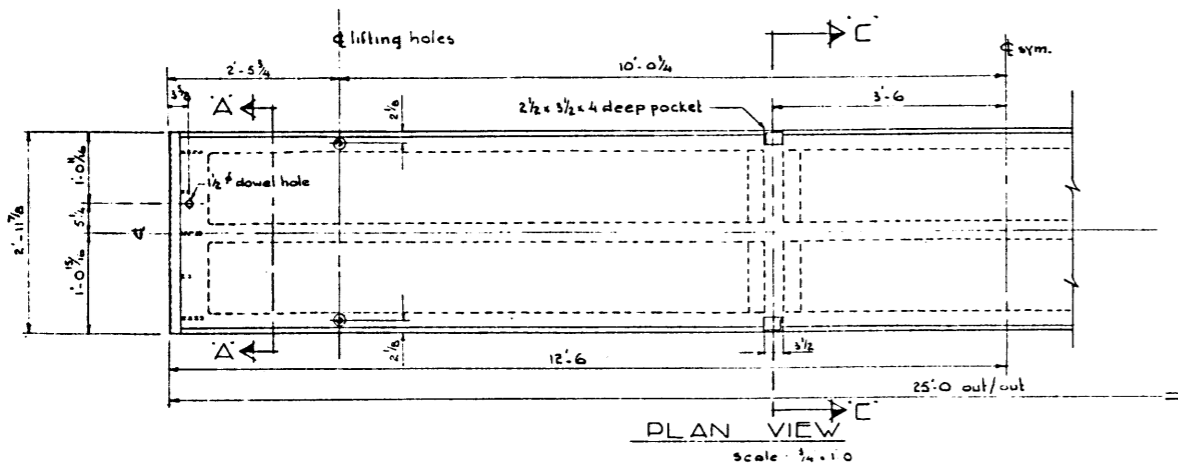
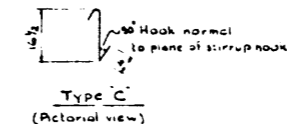
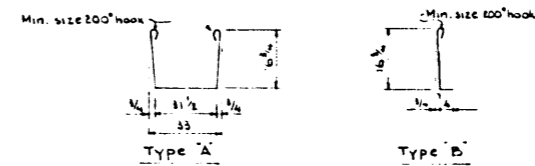
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BAR LIST

Mark	Size	Number	Type	X	Length	Weight
S301	3	16	A		6'-3"	38
S302	3	20	B		2'-1 1/4"	16
S401	4	26	C		2'-1"	36
F401	4	47	Str		2'-9"	86
T401	4	2	Str		24'-8"	33
Total						209 lb

BAR TYPES

All bar dimensions are out to out



DESIGNED BY: R.P. Percell
 DATED: April 18 51
 CHECKED BY: R. E. LeBass
 DATED: _____

REVISIONS

NO.	DATE	DESCRIPTION	BY