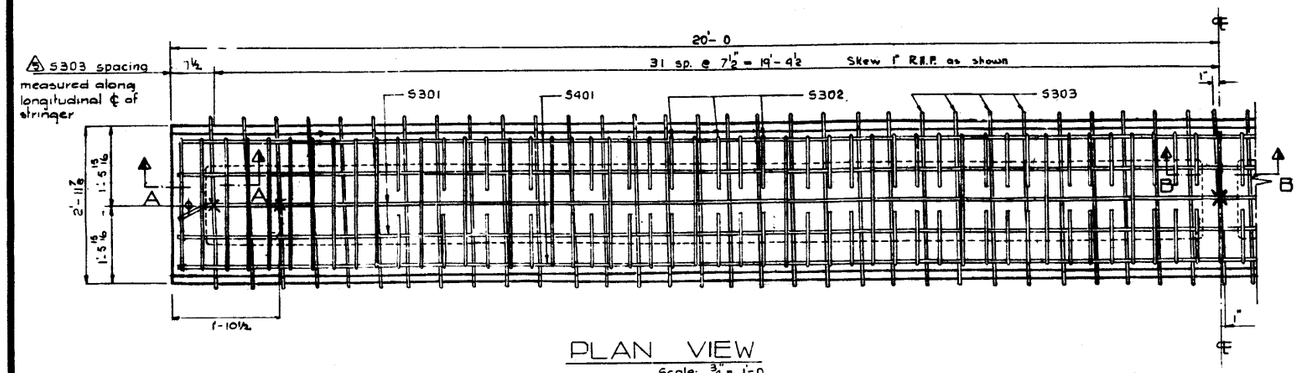
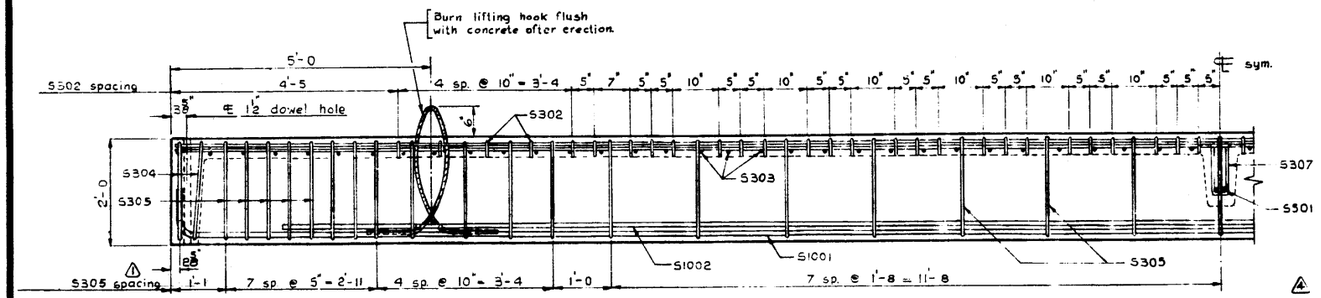


PLAN VIEW
Scale: 3/4" = 1'-0



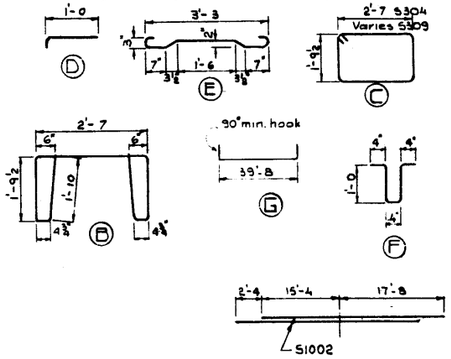
ELEVATION
Scale: 3/4" = 1'-0

BAR LIST

Mark	Size	Number	Type	Length	Weight
S301	8	3	str.	39'-8	45
S302		108	D	1'-3	51
S303		63	E	4'-1	97
S304		4	C	9'-3	14
S305	3	39	B	10'-7	155
S307	3	2	F	3'-0	2
S308	3	25	str.	5"	4
S401	4	2	str	39'-8	53
S501	5	2	str	2'-7	5
S1001	10	4	G	41'-1	707
S1002	10	4	str.	33'-0	568
• S309	3	2	C		
				Total	1,816 lbs.
					1,781 lbs.

• Skewed stringer only

BAR TYPES
(All dimensions are out to out)



GENERAL NOTES

DESIGN

Live Load - A.A.S.H.O. H20 - 316 modified as shown.

Dead Load - includes allowance for 2" wearing surface.

Concrete - to be standard weight aggregates with maximum aggregate size of ¾ inch. Minimum 28 day compressive strength to be 4000 p.s.i.

CONSTRUCTION

Entrained air shall be 5½% ± 1%.

Diameters of all bends shall conform to the recommended minimums and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.

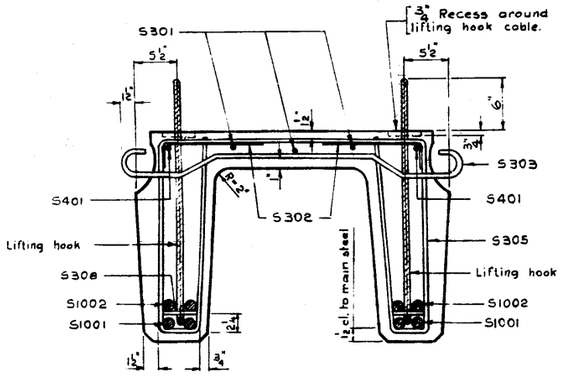
Each stringer shall have a cast camber of ¾ inch.

All acute angles on skewed stringers shall have a ¾ inch chamfer.

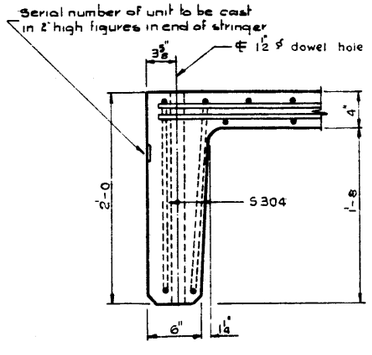
Concrete shall attain at least 30% of the specified 28 day compressive strength before the units are stripped from the forms or lifted.

Lifting force at each hook is to be vertical at all times.

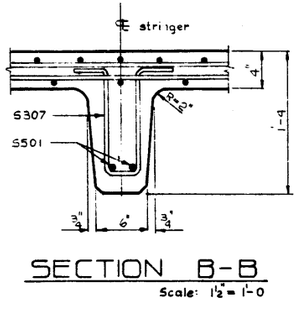
Units are to conform to the requirements of the Alberta Government Specifications for the Manufacture of Precast Concrete Bridge Units.



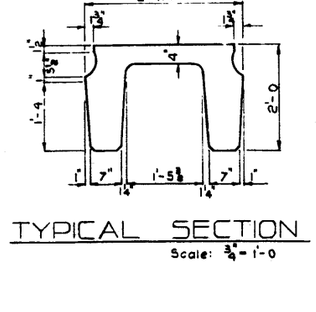
STRINGER SECTION
Scale: 1½" = 1'-0



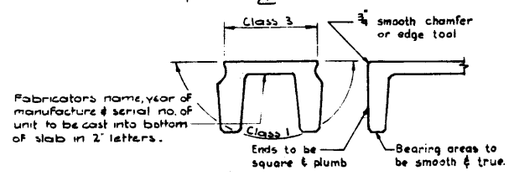
SECTION A-A
Scale: 1½" = 1'-0



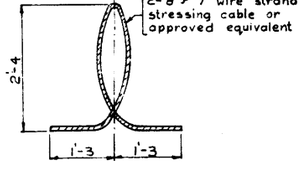
SECTION B-B
Scale: 1½" = 1'-0



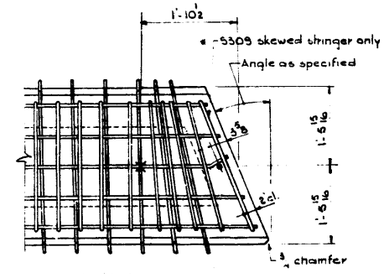
TYPICAL SECTION
Scale: 3/4" = 1'-0



STRINGER FINISHES

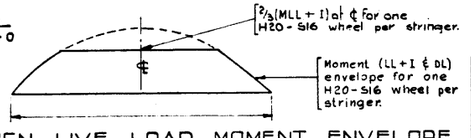


LIFTING HOOK
4 - req'd Scale: 3/4" = 1'-0



Note: All other details to conform to those shown for square stringers. (On skewed stringers the lifting hooks are to be placed 15:0 from the mid-point of the unit.)

SKEWED STRINGER
Scale 3/4" = 1'-0



DESIGN LIVE LOAD MOMENT ENVELOPE
N.T.S.

NO.	DATE	DESCRIPTION	BY
6	Nov. 22/63	S1002 bar.	R.E.B.
5	Oct 11/63	S303 Bars.	
4	Sept 18/63	Notes & finishes revised	B.S.P.
3	Sept 12/63	Notes revised	B.S.P.
2	April 1/63	General notes	R.E.
1	Dec. 19/62	General Revision	R.Ch.

REVISIONS

PRECAST CONCRETE STRINGER
TYPE E 40 FT.
LOADING H20 - S16

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

FILE NO. ____ HWY. NO. ____ DWG. NO. S810
LOCATION ____ SCALE as shown
STREAM ____ SHEET ____ OF ____

DESIGNED BY ____ DATE Sept. 1962
DETAILED BY Richard Christ DATE ____
CHECKED BY ____ DATE ____