

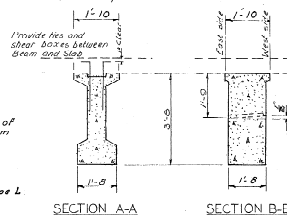
	Line ①	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Line ②
DEAD LOAD MOMENT	0	312	571	777	924	1004	1014	949	808	572	254
LIVE LOAD MOMENT	0	281	321	402	428	491	503	402	329	552	301
TOTAL MOMENT	0	593	892	1179	1352	1495	1517	1351	1137	1124	551
DEAD LOAD AXIAL TENSILE FORCE		5	10	15	20	25	30	35	40	45	50
LIVE LOAD AXIAL TENSILE FORCE	35	39	43	47	51	55	59	63	67	71	76
TOTAL AXIAL TENSILE FORCE	35	44	53	62	71	80	89	98	107	116	126
DEAD LOAD REACTION	116										142
LIVE LOAD REACTION	114										95
TOTAL REACTION	230										237
DEAD LOAD SHEAR		96									86
LIVE LOAD SHEAR		95									84
TOTAL SHEAR		191									170

DESIGN FORCES

MOMENT IN FT KIPS
FORCES IN KIPS

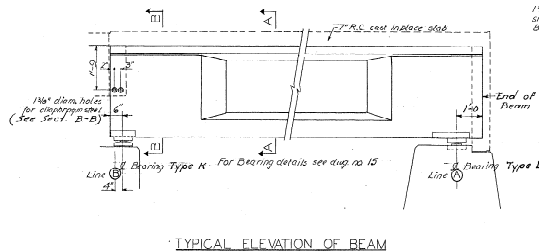
NOTE TO FABRICATOR

Height of Beam and slab are not included in values of moments, reactions and shears shown.

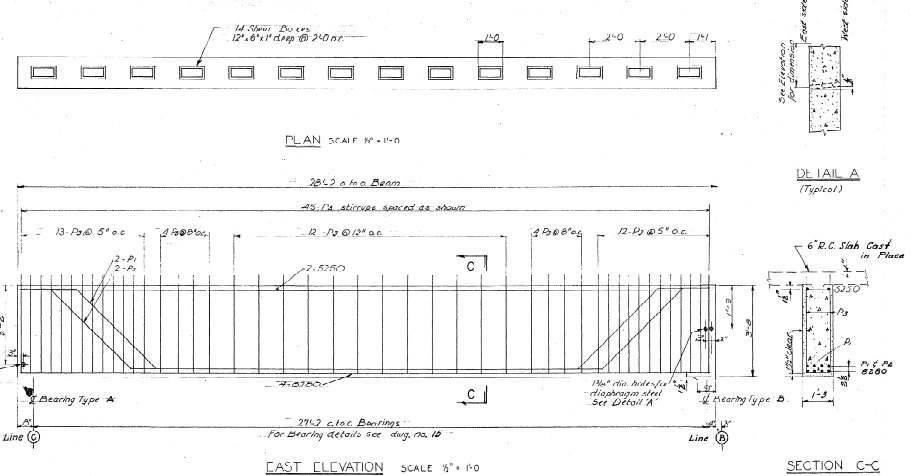


NOTE: Dimensions shown to be maintained. Location of holes may be altered to suit beam steel but must be submitted for approval.

SUGGESTED SECTIONS



BEAM TYPE U5
PRESTRESSED PRECAST CONCRETE BEAMS
NUMBER REQUIRED 53



BEAM TYPE U5
PRECAST REINFORCED CONCRETE BEAMS
NUMBER REQUIRED 53

BEAM TYPE	NO. OF BEAMS WITH INSERTS
U5	1
U5	1

NOTE: Special Beams with Inserts
Provide 1" inserts instead of holes (located same as holes - see Table above)

NOTES:

- See notes on Dwg. No. 8.
- For schedule see Dwg. No. 19.
- Concrete (a) Precast Beam 14' 4000 psi @ 28 days. (b) Precast Prestressed Beams, strength as required but not less than 5000 psi.
- Complete Bearing Assemblies to be supplied with each beam (including bottom R. assembly to be embedded in structure.)
- Provide 1/2" chamfer on all exposed corners in completed structure.

NO.	REVISIONS	NAME	DATE
DEPARTMENT OF PUBLIC WORKS CANADA DEVELOPMENT ENGINEERING BRANCH STRUCTURES DIVISION			
LEN'S SNOWSHED EXTENSION MILE 11.68 GLACIER NATIONAL PARK			
ROOF BEAMS			
JOB SUPERVISOR	S. Stamer	DESIGN	T.D.
APPROVED	DATE 12/14/66	CHECK	P.L.
CHIEF-STRUCTURES DIVISION		TRACES	CHECK
APPROVED		PROJECT NO.	SD-164
DATE 12/14/66		SHEET 14 OF 19	
CHIEF ENGINEER			

AA002295