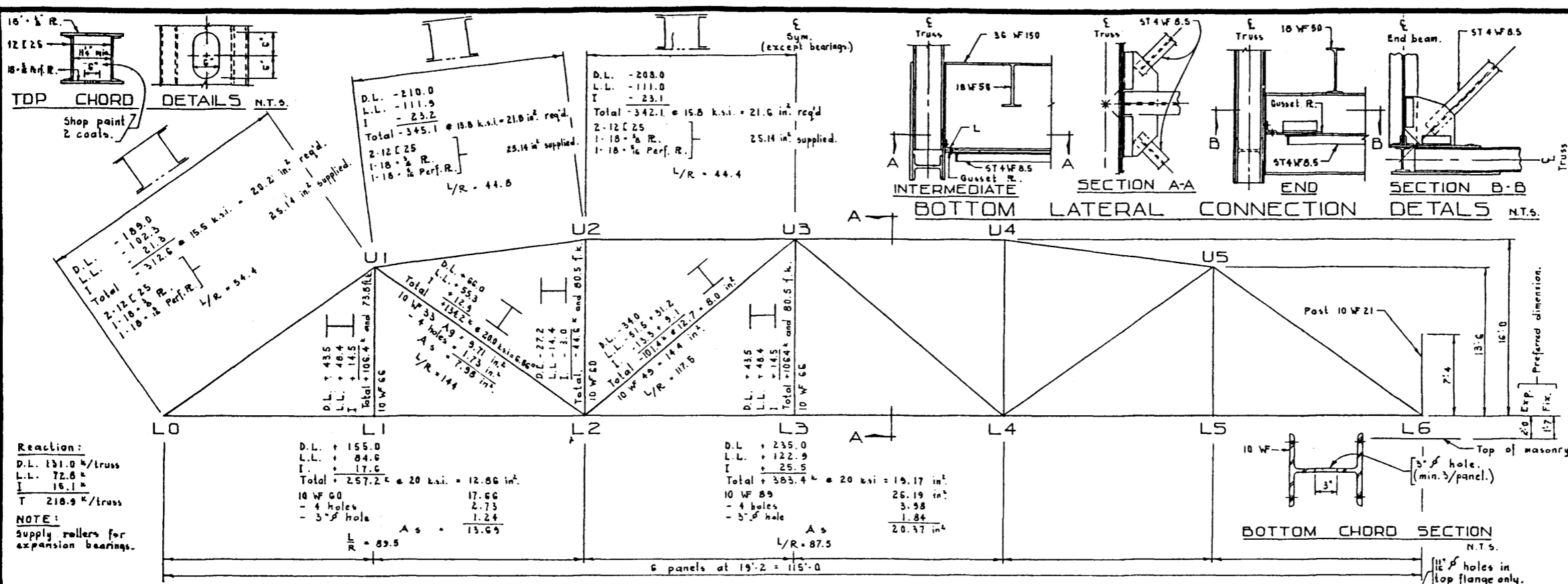
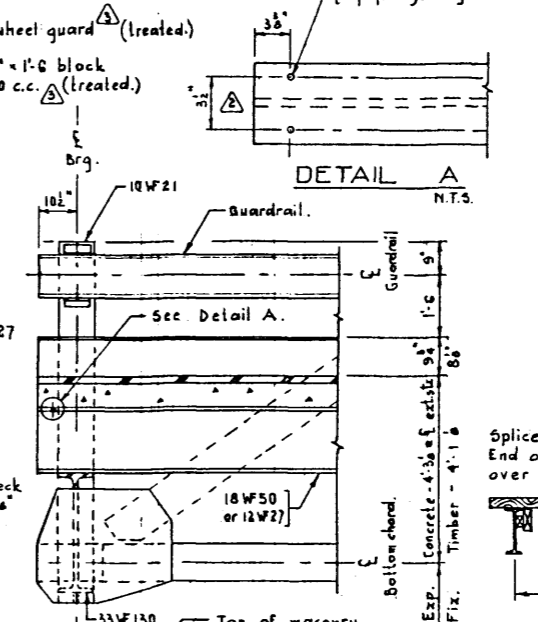
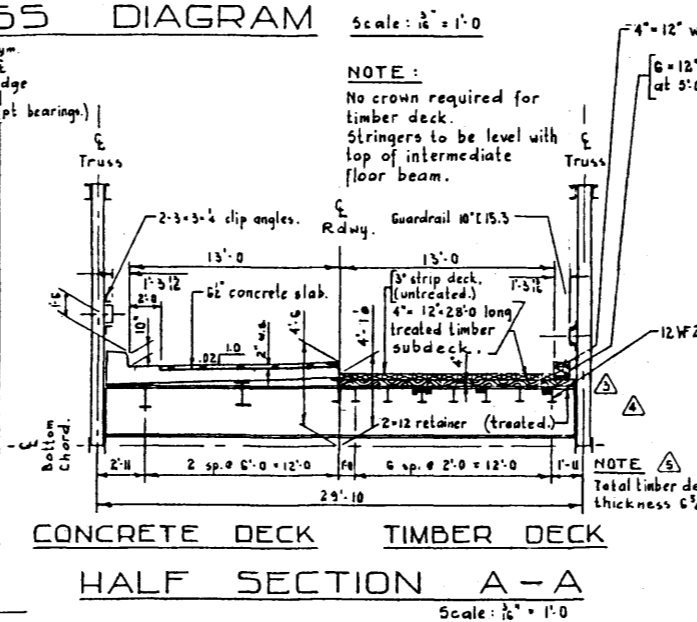
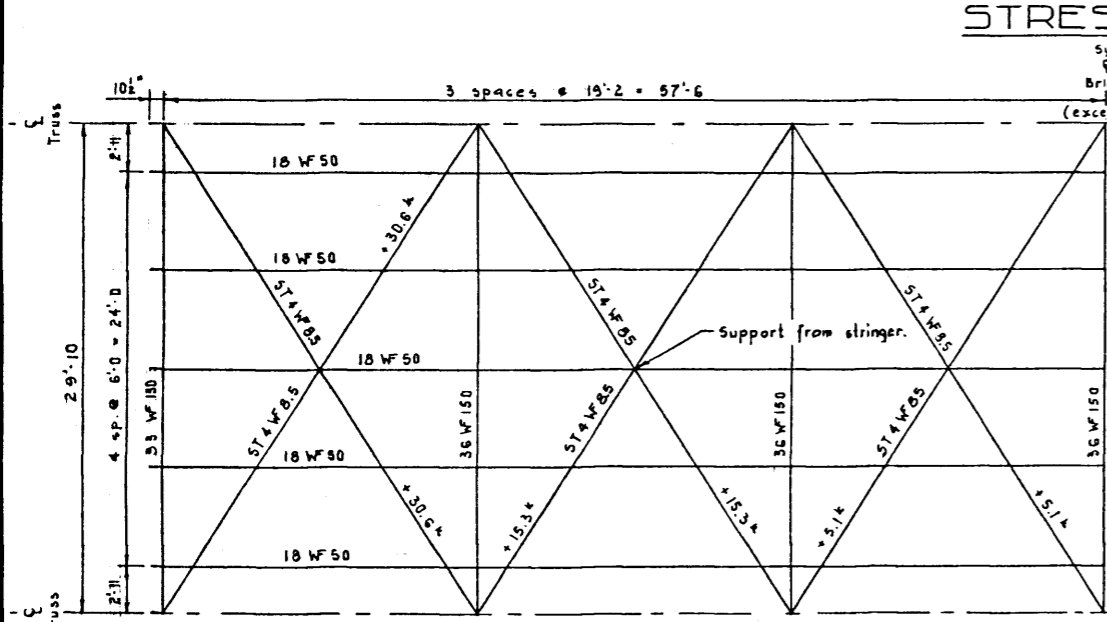


DESIGNED BY Robert E. Boller.
 CHECKED BY B.N. Sawicki.
 DATE Sept. 1965
 DATE Sept. 23 1965
 DATE 19 65



- GENERAL NOTES-**
- DESIGN**
- A.A.S.H.O. 1961 including interia specifications.
 - Loading - H20-S16-44
 - Deck - 6 1/2" concrete + 2" asphalt 1,610³/ft./truss
 - Floor steel and handrail .296³/ft./truss
 - Truss .379³/ft./truss
 - 2,275³/ft./truss
- MATERIALS**
- All steel, except roller bearings, shall conform to A.S.T.M. specification A36 produced in accordance with silicon killed fine grain practice. Rollers to conform to A.S.T.M. A 235 (Class C1)
- CONSTRUCTION**
- Bearings to have dove plates to provide for deflection.
 - All steel surfaces not in contact with steel or concrete to receive one shop coat red lead, iron oxide, oil alkyl type paint conforming to requirements of the Canadian Government Specification Board - Spec. 1-10-140 and have a minimum dry thickness of 1.5 mils.
 - All main member field connections to be made with 7/8" diameter high tensile bolts and hardened washers and all bracing connections shall be made with 3/4" diameter high tensile bolts and hardened washers conforming to the requirements of A.S.T.M. A 305.
 - Causer: Truss shall be cambered as shown.
 - All connections except those on bracing members are to be considered as "Friction Type".
 - All steel shall be sand blast cleaned according to Specification SSPC-SP6-63 of the Steel Structures Painting Council.
 - All requirements of the Bridge Branch Specification for the Supply of Structural Steel for Bridges (Specification No. 187-64) shall be met.
 - Shop assembly shall be done in accordance with Article 2:10:10 of the A.A.S.H.O. Specifications and no partial assembly will be permitted.
 - All dimensions shown are correct at +70°F. Bearings are to be centered at +20°F and to have provisions for movement for +80°F.
 - All bearings involving welding are to be stress relieved in accordance with Article 2:10:34 of the A.A.S.H.O. Specifications. Where possible stress relieving is to be done before machining.
 - Flame cutting shall be done in accordance with Article 4:10:24 of the A.A.S.H.O. Specifications as rev. ed by the interia specifications.
 - Shop connections shall be made with 3/8" rivets or high strength bolts.
 - High strength bolts shall conform to the requirement of A.S.T.M. Specification A 325. Rivets shall conform to the requirement of A.S.T.M. Specification A141-55



INTERIOR FLOOR BEAM

Shear	D.L. 35.7 k
	L.L. 51.5
	I 15.4
	102.6
Moment	D.L. 276
	L.L. 424
	I 127

827 ft.k. 5 req'd = 496 in²
 36 WF @ 150 5 supplied = 582.9 in²

END FLOOR BEAM

Shear	D.L. 19.1 k
	L.L. 49.0
	I 14.7
	82.8
Moment	D.L. 147
	L.L. 401
	I 120

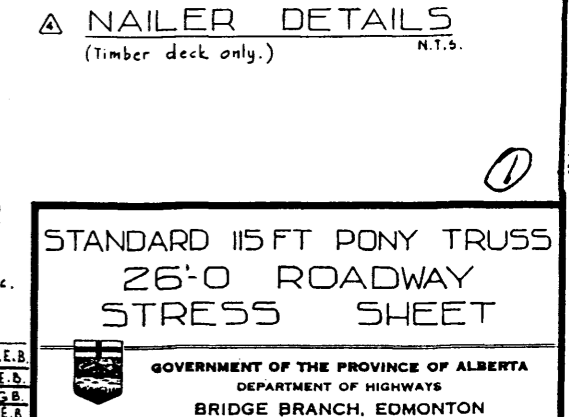
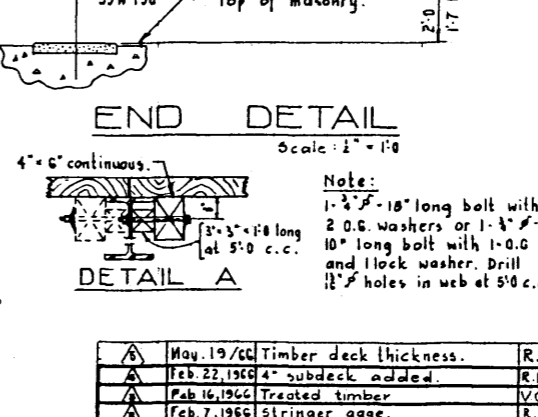
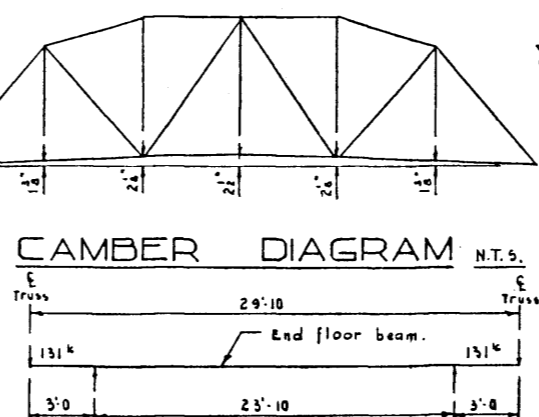
668 ft.k. 5 req'd = 400 in²
 33 WF 130 5 supplied = 446.8 in²

STRINGERS

CONCRETE DECK	Shear D.L. 6.6 k
	L.L. 22.1
	I 6.6
	35.3 k
TIMBER DECK	Shear D.L. 0.6
	L.L. 18.3
	I 5.3
	25.2 k
Moment	D.L. 31.8
	L.L. 83.6
	I 29.1

140.5 ft.k. 5 req'd = 84.3 in²
 10 WF 50 5 supplied = 84.3 in²

55.8 ft.k. 5 req'd = 34.1 in²
 12 WF 27 5 supplied = 34.1 in²



REVISIONS

NO.	DATE	DESCRIPTION	BY
1	May 19 1966	Timber deck thickness.	R.E.B.
2	Feb 22 1966	4" subdeck added.	R.E.B.
3	Feb 16 1966	Treated timber	V.G.B.
4	Feb 7 1966	Stringer gage.	R.E.B.
5	Jan 6 1966	Copied from dwg No. 6-840	R.E.B.

**STANDARD 115 FT PONY TRUSS
 26'-0 ROADWAY
 STRESS SHEET**

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

FILE NO. _____ HWY. NO. _____ DWG. NO. _____
 LOCATION _____ SCALE Noted _____ SHEET _____ OF _____
 5902