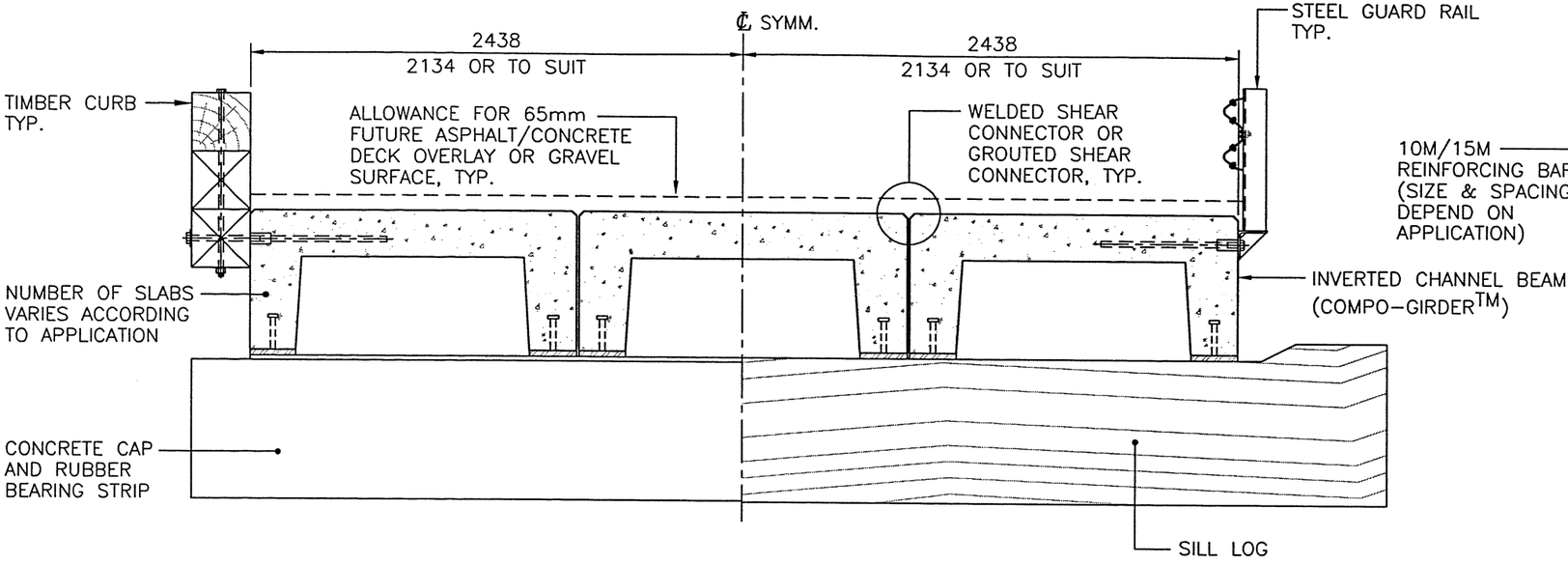
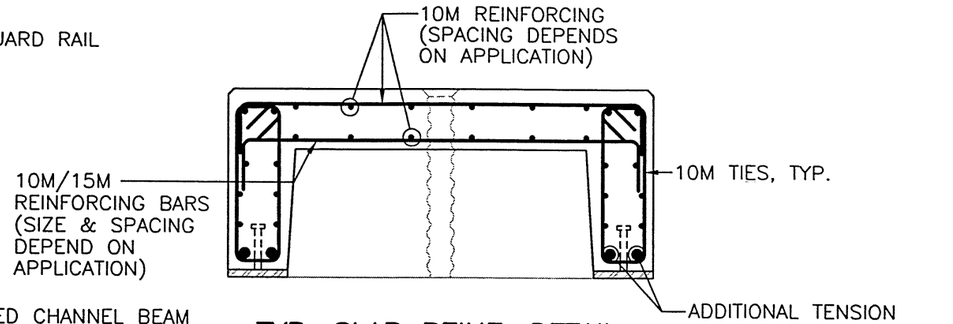
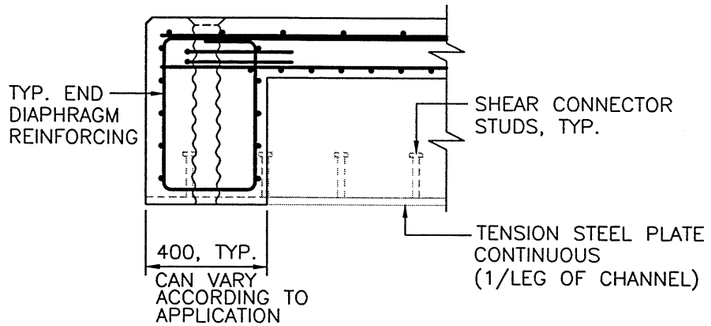


SECTION THROUGH BRIDGE
1:25

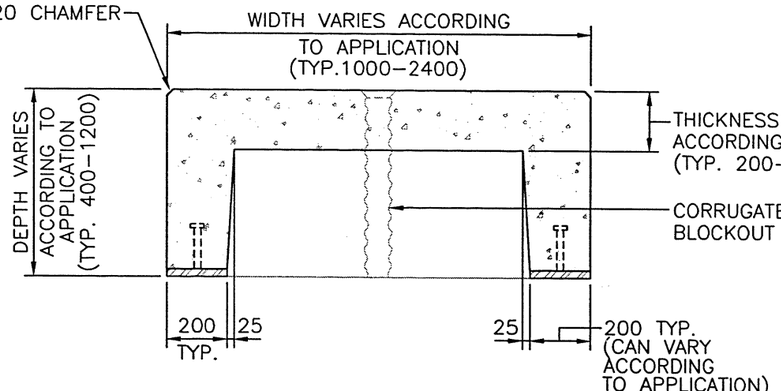
SPAN RANGE: 9m – 27m



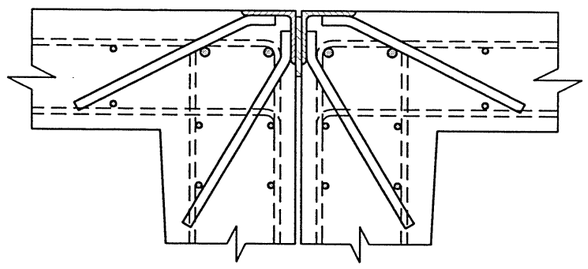
TYP. SLAB REINF. DETAIL
1:20



CONCRETE END DIAPHRAGM DETAIL
1:20



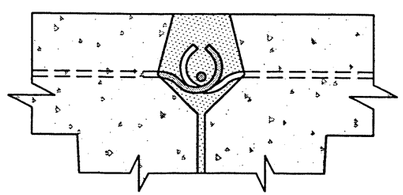
TYP. SLAB CROSS SECTION DETAIL
1:20



WELDED SHEAR CONNECTOR
1:10

NOTES
1. LOADING AND SPAN TO SUIT APPLICATION.
2. DESIGN: a) CAN/CSA–86–88 (MODIFIED).
   b) OHBDC (SHEAR).
   c) MoF BRIDGE DESIGN AND CONSTRUCTION MANUAL
   d) LONGITUDINAL WEB REINFORCING IN ACCORDANCE WITH OHBDC AND UNIVERSITY OF BRITISH COLUMBIA (DEP. OF CIVIL ENGINEERING) REPORT "SERVICE LOAD CRACKING OF CONCRETE–STEEL HYBRID GIRDERS", 1997, EQUATION 12 WITH CRACK WIDTH AT SLS II <0.2mm
3. TYPICAL DETAILS SHOWN. ACTUAL CROSS SECTION DETAILS MAY VARY TO SUIT APPLICATION.
4. STEEL: CSA G40.21M GRADE 350AT CAT. 3 (PLATE)
   GRADE 350A (SECTIONS)
5. CONCRETE: CAN3 A23.1 EXPOSURE CLASS C1, f'c=35MPa(MIN.) @ 28 DAYS.
6. REINFORCING: CSA G30.18M GRADE 400
7. COMPOSITE GIRDER IS A PROPRIETARY SYSTEM. MANUFACTURE IS BY PIONEER PRECAST PRODUCTS LTD., CHILLIWACK, B.C. (604) 702 0630 OR UNDER LICENSE FROM SAME.

PATENT PENDING



GROUTED SHEAR CONNECTOR
1:10

ASSUME NOT TO SCALE

Province of British Columbia
MINISTRY OF FORESTS
RESOURCE TENURES and ENGINEERING BRANCH

SCALE AS SHOWN
Designed J.H. Date APR. 98
Checked D.I.H. Date APR. 98
Drawn B.F. Date APR. 98

Rev	Date	DESCRIPTION	Init

REVISIONS

STANDARD BRIDGE DRAWING

INVERTED CHANNEL BEAM
(COMPO–GIRDER™)

ORIGINAL SIGNED and SEALED BY: DAVID I. HARVEY
APPROVED BY: June 1/98
DESIGN ENGINEER DATE JULIEN HENLEY
MOF ENGINEER DATE
FILE No.
DRAWING No. STD–E–011–02

CANCEL PRINTS BEARING PREVIOUS LETTER