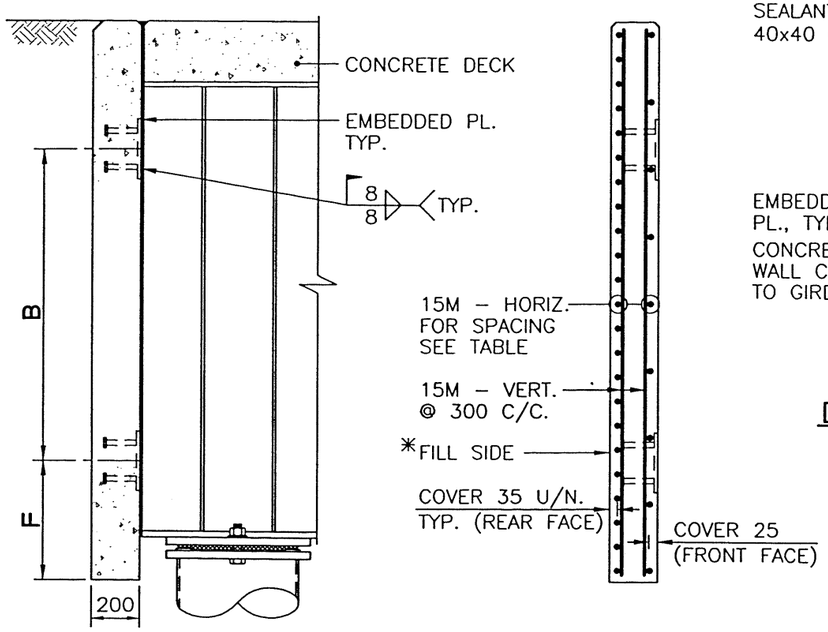
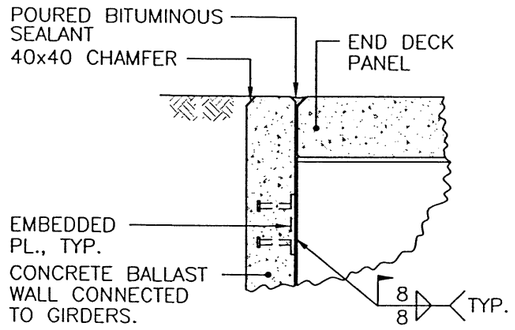


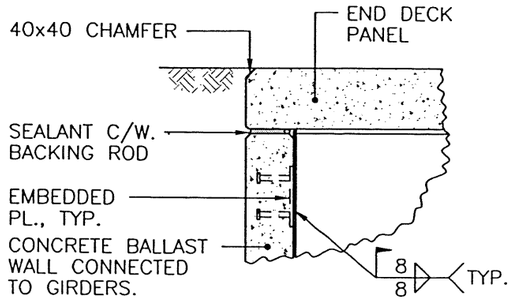
CONNECTION DETAIL

REINFORCEMENT DETAIL

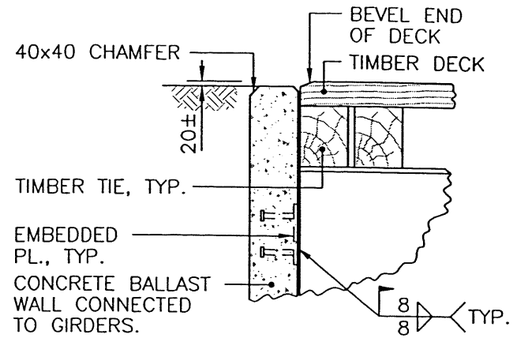
BALLAST WALL DETAILS
1:25



BALLAST WALL/PRECAST DECK CONNCECTION DETAIL
1:25



BALLAST WALL/PUSH–THROUGH DECK CONNCECTION DETAIL
1:25



BALLAST WALL/TIMBER DECK CONNCECTION DETAIL
1:25

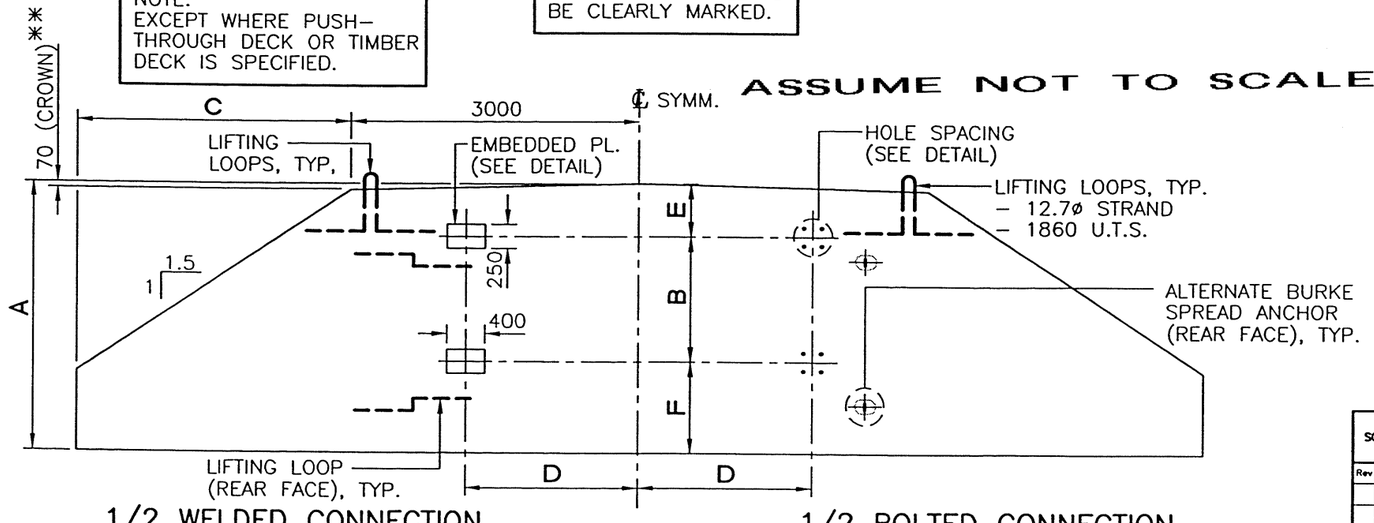
HORIZONTAL REINFORCING TABLE		
DIMENSIONS	SPACING	
	REAR FACE	FRONT FACE
A ⩽ 1600	150	300
1600 < A ⩽ 2000	125	250
2000 < A ⩽ 2400	100	200
2400 < A ⩽ 2800	75	150

STANDARD DIMENSIONS			
A	TYPICALLY (G + H_G + 250) MINIMUM = (G + H_G) H_G +160 (FOR PUSH–THROUGH DECK)	G	L75 = 225 L100 = 250 L165 = 275 } H_D
B	TYPICALLY (H_W – 500)		
C	TYPICALLY 1.5(A – 470) MINIMUM = (0)		
D	TYPICALLY 1500 (L75, L100) 1800 (L150, L165)		
E	TYPICALLY (G + 265) 245 (FOR PUSH–THROUGH DECK)	LEGEND	
F	TYPICALLY 500 MINIMUM = (250) ENSURE NO CONFLICT BETWEEN BOTTOM OF WALL AND SUBSTRUCTURE	G = DECK THICKNESS ON ℄ H_G = O/A. GIRDER HEIGHT H_W = GIRDER WEB HEIGHT	

* NOTE:
FILL SIDE OF WALL TO BE CLEARLY MARKED.

** NOTE:
EXCEPT WHERE PUSH–THROUGH DECK OR TIMBER DECK IS SPECIFIED.

ASSUME NOT TO SCALE



1/2 WELDED CONNECTION

1/2 BOLTED CONNECTION

BALLAST WALL ELEVATION
N.T.S.

NOTES TO SPECIFIERS/SUPPLIERS

1. SPECIFY DESIGN TRUCK LOADING, OR NEXT HIGHEST B.C.F.S. STANDARD LOADING: L75, L100, L150/L165 (ie. FOR L60 SPECIFY L75)
2. SPECIFY DIMENSIONS A & B. IF NON–STANDARD DIMENSIONS REQ'D, SPECIFY C, D & E.
3. SPECIFY BOLTED GIRDER CONNECTION IF REQ'D. STANDARD IS WELDED CONNECTION.
4. STUDS: ASTM A108 GRADE 1020.
5. CONCRETE: CAN3 A23.1 EXPOSURE CLASS C1, f'c = 35MPa @ 28 DAYS.
6. PRECAST CONCRETE: CSA A23.4–94 BY CSA CERTIFIED PLANT.
7. REINFORCING: CSA G30.18M GRADE 400.

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

SCALE AS SHOWN

Designed J.H. Date MAY 1998
Checked D.I.H. Date MAY 1998
Drawn J.E.N. Date MAY 1998

Rev	Date	DESCRIPTION	Init.

REVISIONS

STANDARD BRIDGE DRAWING

STANDARD BALLAST WALL DETAILS SHEET 1

ORIGINAL SIGNED and SEALED BY: DAVID I. HARVEY
DESIGN ENGINEER DATE JULIEN HENLEY
FILE No.

APPROVED BY:
MOF ENGINEER DATE June 1/99
DRAWING No. STD–E–050–01

CANCEL PRINTS BEARING PREVIOUS LETTER