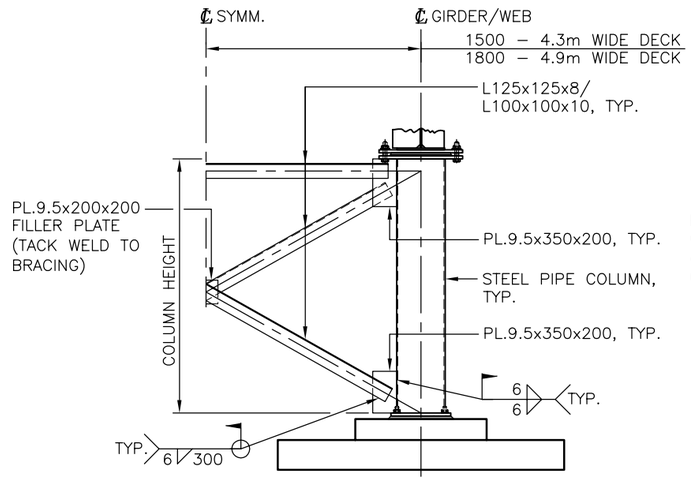
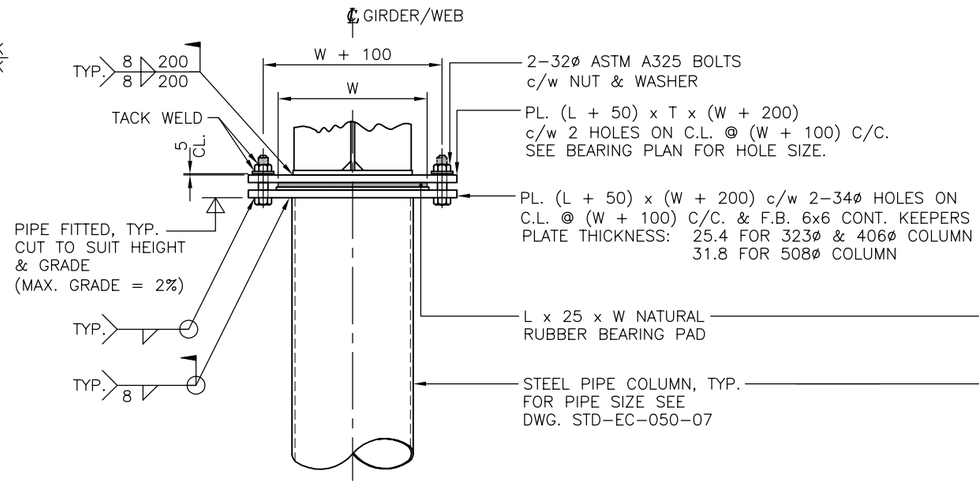
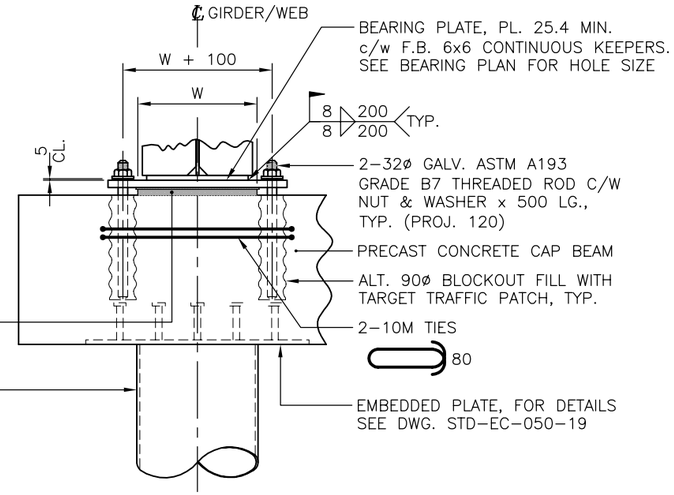


1/2 ABUTMENT ELEVATION DETAIL
1:50



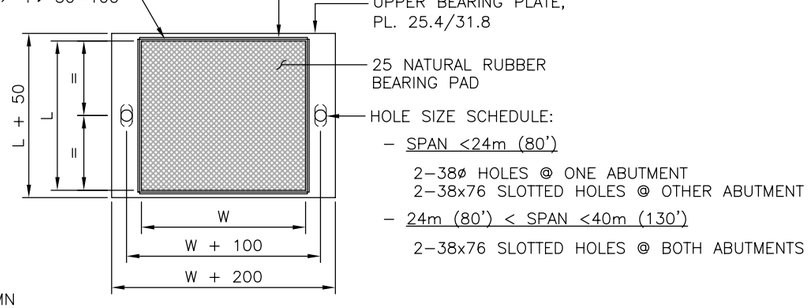
BEARING DETAIL
1:20



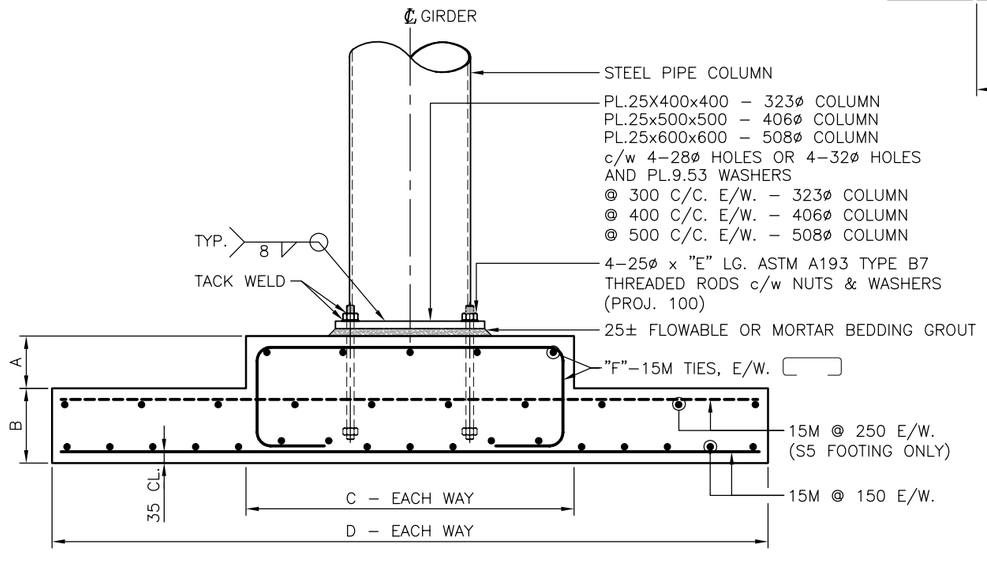
ALT. BEARING ON CONCRETE CAP DETAIL
1:20

NOTE:
OMIT BRACING IF COLUMN HEIGHT IS LESS THAN 1000mm.

INSTALL SECOND BAY OF BRACING IF COLUMN HEIGHT EXCEEDS 3500mm



BEARING PLAN
1:20



PRECAST CONCRETE FOOTING DETAIL
1:20

ASSUME NOT TO SCALE

NOT FOR CONSTRUCTION

NOTES:

1. FOOTINGS HAVE BEEN SIZED BASED ON THE ASSUMPTION THAT THE UNDERLYING FOUNDATION MATERIAL HAS THE ABILITY TO SUPPORT A MINIMUM 200 KPa SERVICEABILITY LIMIT STATES COMBINATION 1 STRESS IN ACCORDANCE WITH SECTION 3 AND 6 OF THE CANADIAN HIGHWAY BRIDGE DESIGN CODE (CAN/CSA–S6). WHERE THE UNDERLYING MATERIAL IS UNABLE TO SUPPORT THIS APPLIED STRESS, THE ENGINEER SHALL DESIGN THE SUBSTRUCTURE COMPONENTS BASED ON THE ASSESSED STRENGTH OF THE FOUNDATION MATERIALS OR DESIGN FOR AN ALTERNATIVE FOUNDATION SYSTEM SUCH AS DRIVEN PILES.
2. THE DESIGN DRAWINGS SHOULD INCLUDE THE DESIGN MAXIMUM APPLIED SERVICEABILITY LIMIT STATES COMBINATION 1 AND ULTIMATE LIMIT STATE STRESSES FOR PRECAST CONCRETE FOOTINGS AND SERVICEABILITY LIMIT STATES COMBINATION 1 AND ULTIMATE LIMIT STATE LOADS FOR DRIVEN PILES.
3. DESIGN APPLICABLE TO FLEXIBLE FOUNDATION SYSTEM ONLY (STANDARD PRECAST CONCRETE FOOTINGS WITH COLUMNS OR STEEL PIPE PILES). FOR RIGID FOUNDATION, OR WHERE DESIGN NEEDS TO ACCOMMODATE THERMAL MOVEMENT, DESIGN TO BE COMPLETED BY AN ENGINEER.
4. ACCOMMODATE GRADES IN EXCESS OF 2% WITH A BEVEL PLATE OR SLOPED CAP BEAM.

DESIGN ENGINEER

PROFESSIONAL SEAL

0 2 4 6 8 10 meters

0 20 40 mm

SCALE AS SHOWN

BAR LENGTH IS 40mm ON ORIGINAL.

Checked JULIEN HENLEY Date 14/04/01

Drawn ERFUN FARJOO Date 14/04/01

Rev	Date	DESCRIPTION	Init	
1	15/03/31	REVISED NOTES & ADDED SLOTTED HOLES		

REVISIONS

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations
ENGINEERING BRANCH

STANDARD BRIDGE DRAWING

DRAWING TITLE:
SUBSTRUCTURE DETAILS FOR STEEL BRIDGES - SHEET 1

DESIGNED BY:	APPROVED BY:
HELEN DU, P.ENG.	
COORDINATING REGISTERED PROFESSIONAL:	FLNR ENGINEER:
FILE No.	DRAWING No. STD-EC-050-06 | 1

CANCEL PRINTS BEARING PREVIOUS LETTER