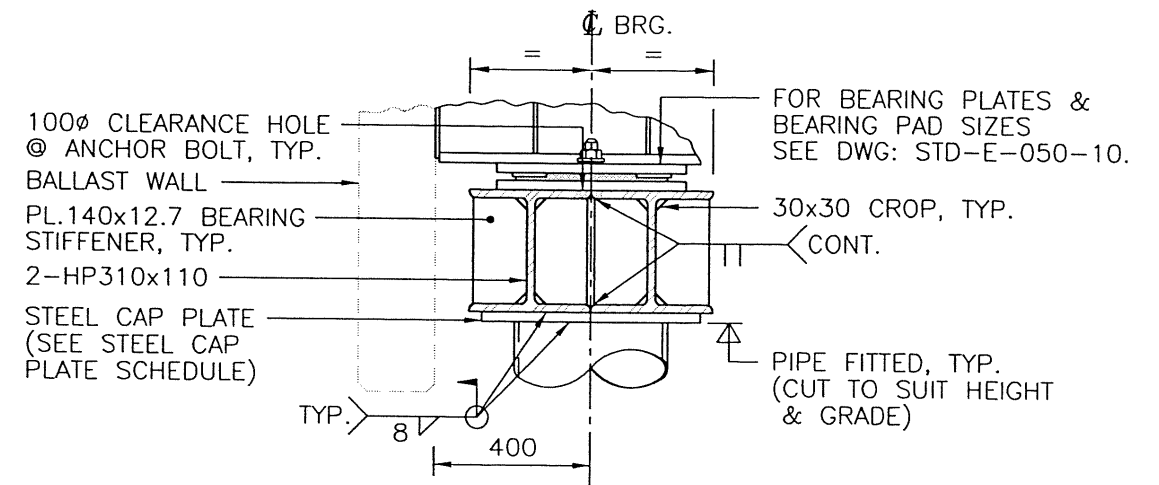


1/2 STEEL CAP BEAM ELEVATION
1:20



DOUBLE STEEL CAP BEAM SECTION
1:20

**DOUBLE HP310x110 CAP APPLICABILITY
LOADING/SPAN CAP DESIGN SCHEDULE
(GIRDERS @ 3000 C/C.)**

| SPAN | L75 | L100 | L150 | L165 |
|-------|--------|--------|------|------|
| 12000 | DOUBLE | DOUBLE | N/A. | N/A. |
| 18000 | DOUBLE | DOUBLE | N/A. | N/A. |
| 24000 | DOUBLE | DOUBLE | N/A. | N/A. |
| 30000 | DOUBLE | N/A. | N/A. | N/A. |
| 36000 | DOUBLE | N/A. | N/A. | N/A. |
| 39000 | DOUBLE | N/A. | N/A. | N/A. |

NOTE: SINGLE HP310x110 STEEL CAP NOT APPLICABLE

**DOUBLE HP310x110 CAP APPLICABILITY
LOADING/SPAN CAP DESIGN SCHEDULE
(GIRDERS @ 3600 C/C.)**

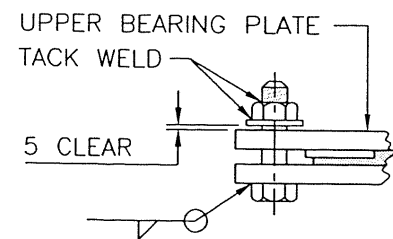
| SPAN | L75 | L100 | L150 | L165 |
|-------|--------|--------|--------|--------|
| 12000 | DOUBLE | DOUBLE | DOUBLE | DOUBLE |
| 18000 | DOUBLE | DOUBLE | N/A. | N/A. |
| 24000 | DOUBLE | DOUBLE | N/A. | N/A. |
| 30000 | DOUBLE | N/A. | N/A. | N/A. |
| 36000 | DOUBLE | N/A. | N/A. | N/A. |
| 39000 | DOUBLE | N/A. | N/A. | N/A. |

STEEL CAP PLATE SCHEDULE

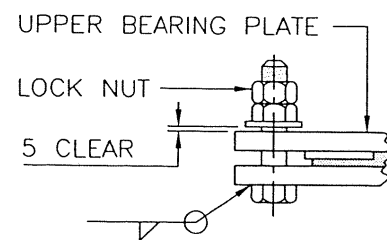
| PIPE DIAMETER | PLATE SIZE |
|---------------|------------------|
| 323 | 475 x 25.4 x 475 |
| 406 | 575 x 25.4 x 575 |
| 508 | 675 x 25.4 x 675 |

NOTES

- FOR DEFINITION OF LOADS REFER TO FOREST SERVICE BRIDGE DESIGN AND CONSTRUCTION MANUAL.
- DESIGN: CAN/CSA-S6-88 (MODIFIED). FOREST SERVICE BRIDGE DESIGN AND CONSTRUCTION MANUAL, JULY 1999.
- STEEL: CSA G40.21M GRADE 350AT CAT. 3 (PLATE) GRADE 300W (SECTIONS)
- WELDING: CSA W59 6 F.W. U/N. FIELD WELDERS CERTIFIED TO CSA W47.
- WHERE DOUBLE HP310x110 NOT APPLICABLE, USE PRECAST CONCRETE CAP.



**TYPICAL BEARING
CONNECTION BOLT DETAIL**
1:10



**ALTERNATE BEARING
CONNECTION BOLT DETAIL**
1:10

ASSUME NOT TO SCALE

| Rev | Date | DESCRIPTION | Init |
|-----|------|-------------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



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

STANDARD BRIDGE DRAWING

**STEEL ABUTMENT CAP BEAMS FOR STEEL BRIDGES
STEEL CAP BEAM - 4 PILE/COLUMN SYSTEM**

ORIGINAL SIGNED and SEALED BY:
DAVID I. HARVEY, P.ENG.

APPROVED BY:
[Signature]

DESIGN ENGINEER
DATE JULIEN HENLEY, P.ENG

MOF ENGINEER
DATE

FILE No.

DRAWING No.
STD-E-050-62

CANCEL PRINTS BEARING
PREVIOUS LETTER