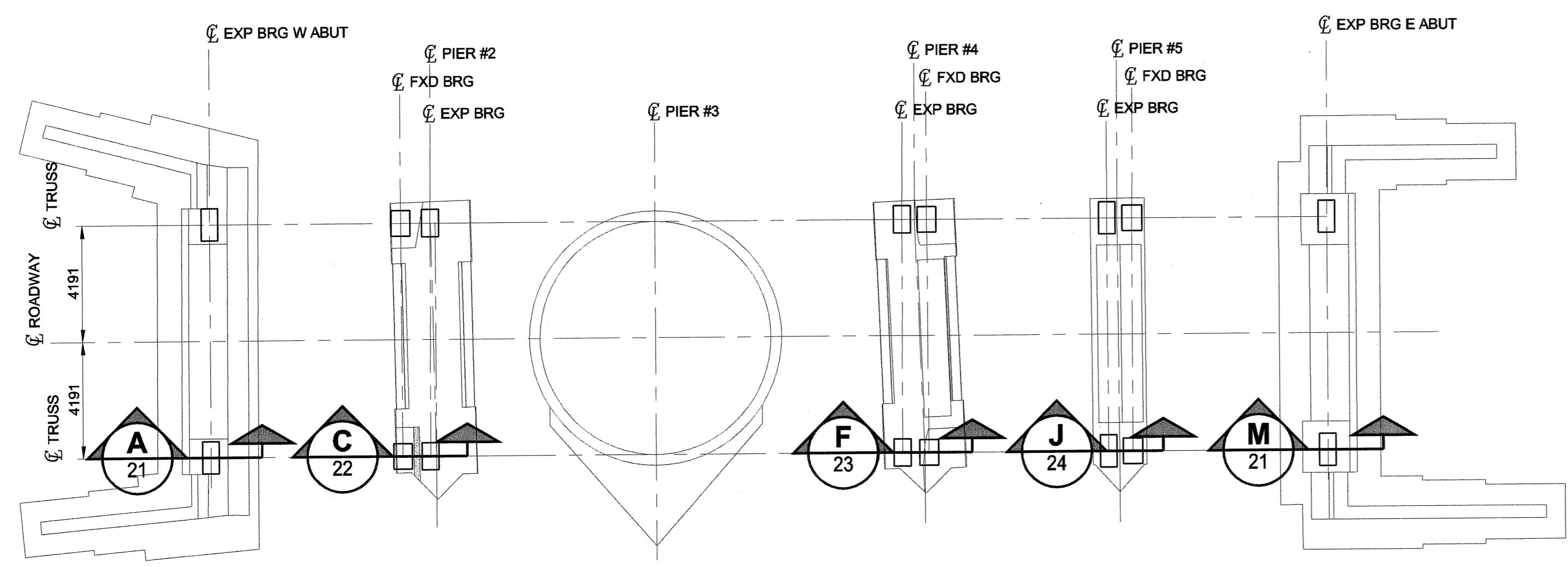


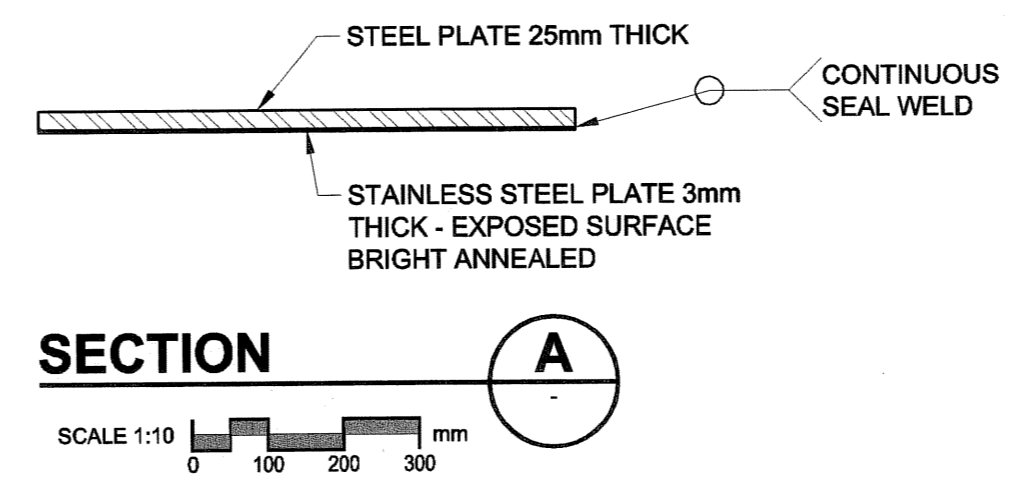
**DRAWING NOTES**

- TOP PLATE SHALL BE CAN/CSA G40.21 GRADE 300W.
- STAINLESS STEEL MATING SURFACE SHALL BE ASTM A167, TYPE 304 AND SHALL HAVE A MINIMUM THICKNESS OF 3mm WITH A BRIGHT ANNEALED (No. 8) MIRROR FINISH.
- THE STAINLESS STEEL PLATE SHALL REMAIN FLAT AND IN FULL CONTACT WITH ITS BACKING PLATE AT ALL TIMES.
- ALL EXPOSED SURFACES OF THE STEEL PLATE SHALL BE HOT DIP ZINC GALVANIZED OR METALIZED INCLUDING SEAL WELD.
- PTFE SURFACE SHALL BE UNFILLED FLAT SHEETS MADE FROM PURE VIRGIN PTFE RESIN SATISFYING THE REQUIREMENTS OF ASTM D1457.
- ELASTOMER SHALL BE ASHTO LOW TEMPERATURE GRADE D WITH A MINIMUM SHEAR MODULUS G > 1.1MPa AND A 60 DUROMETER SHORE A HARDNESS.
- STEEL SHIMS SHALL BE 3mm THICK AND SHALL CONFORM TO CAN/CSA G40.21 GRADE 300W.



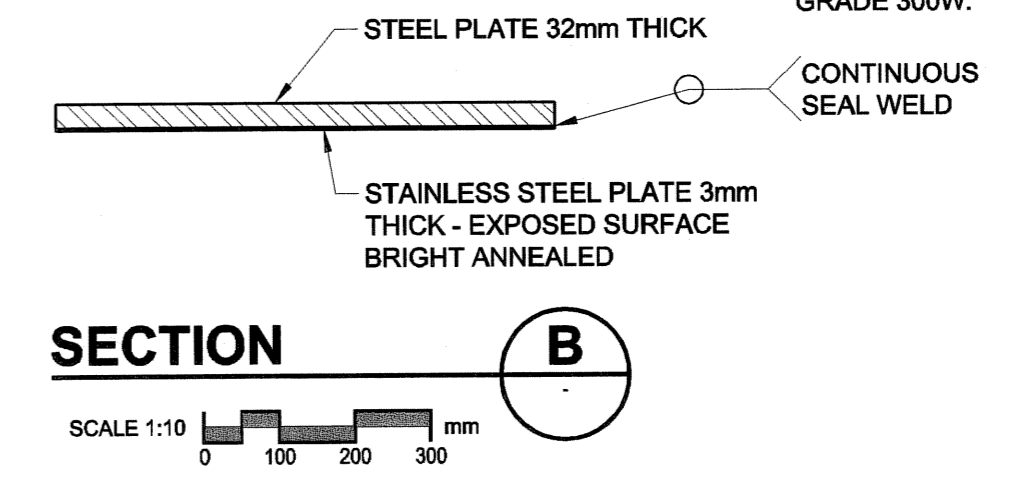
**BEARING LAYOUT PLAN**

SCALE 1:150



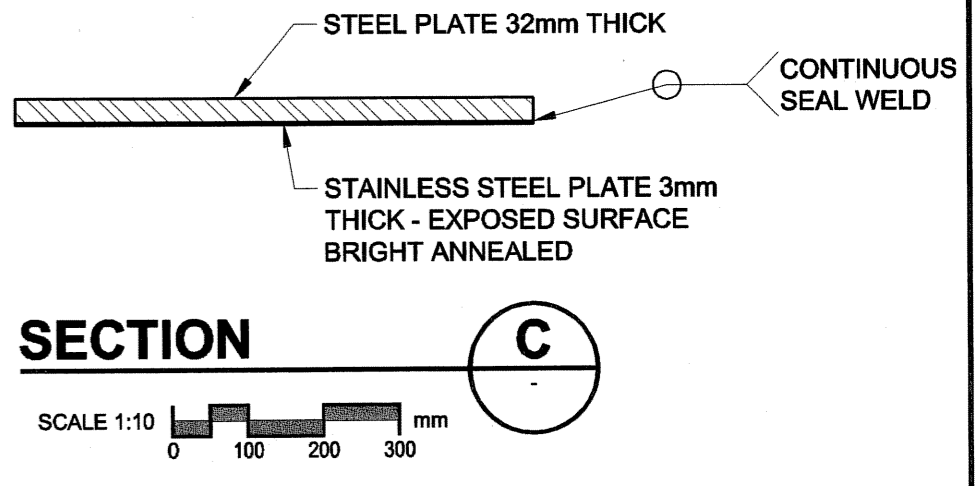
**SECTION A**

SCALE 1:10



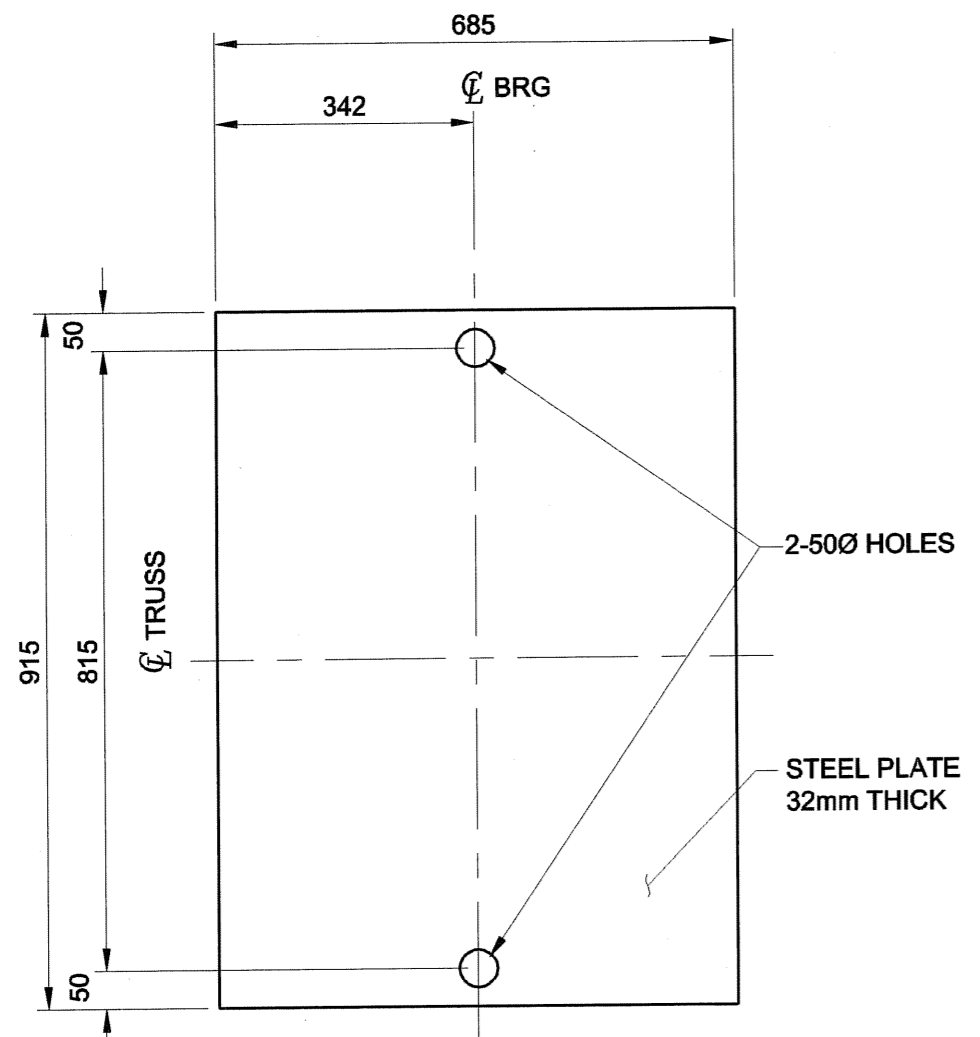
**SECTION B**

SCALE 1:10



**SECTION C**

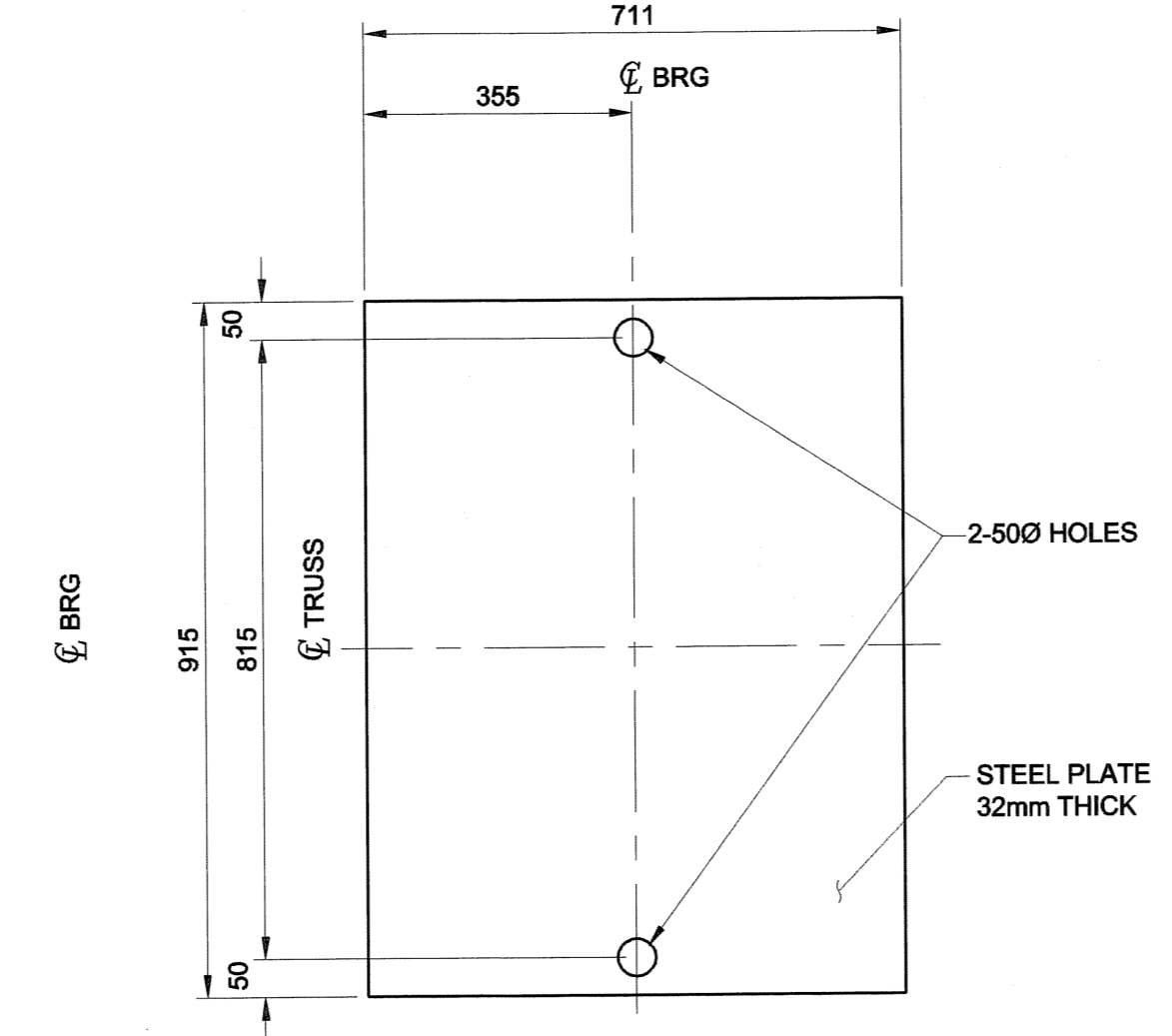
SCALE 1:10



**PLAN OF TOP PLATE**

SCALE 1:10

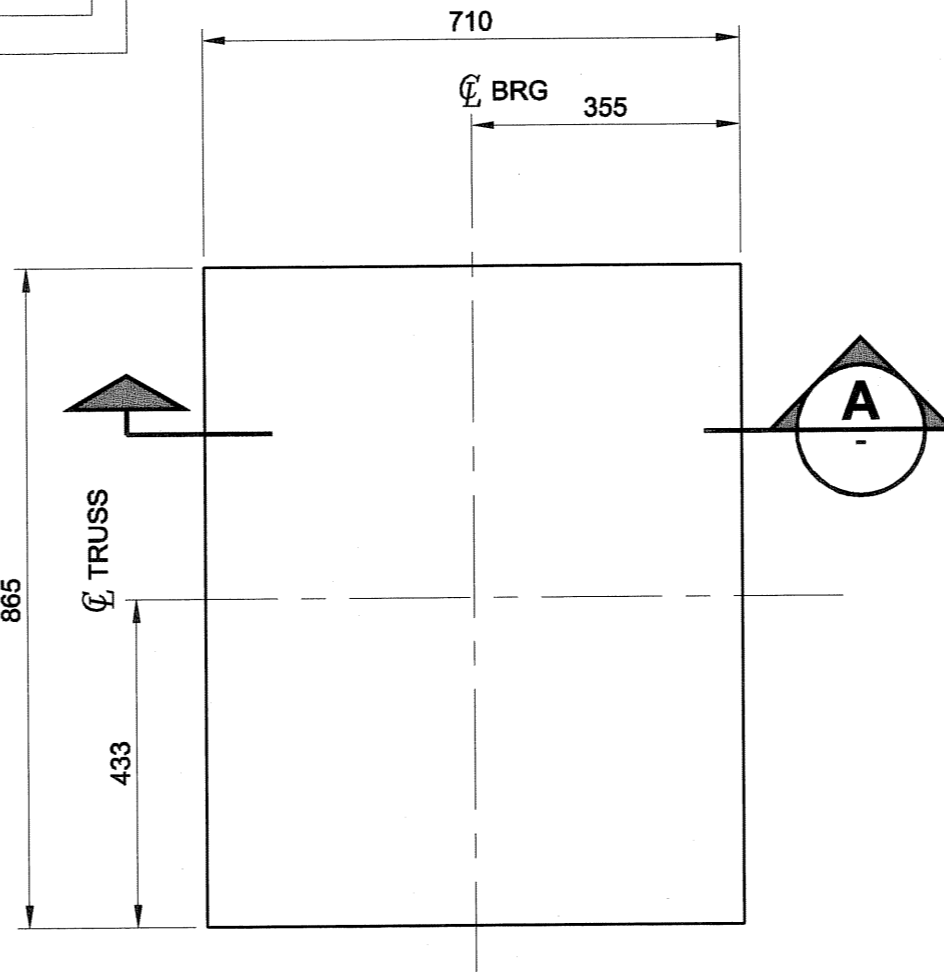
TYPICAL FOR FXD BEARINGS AT PIER #4  
2 PCS



**PLAN OF TOP PLATE**

SCALE 1:10

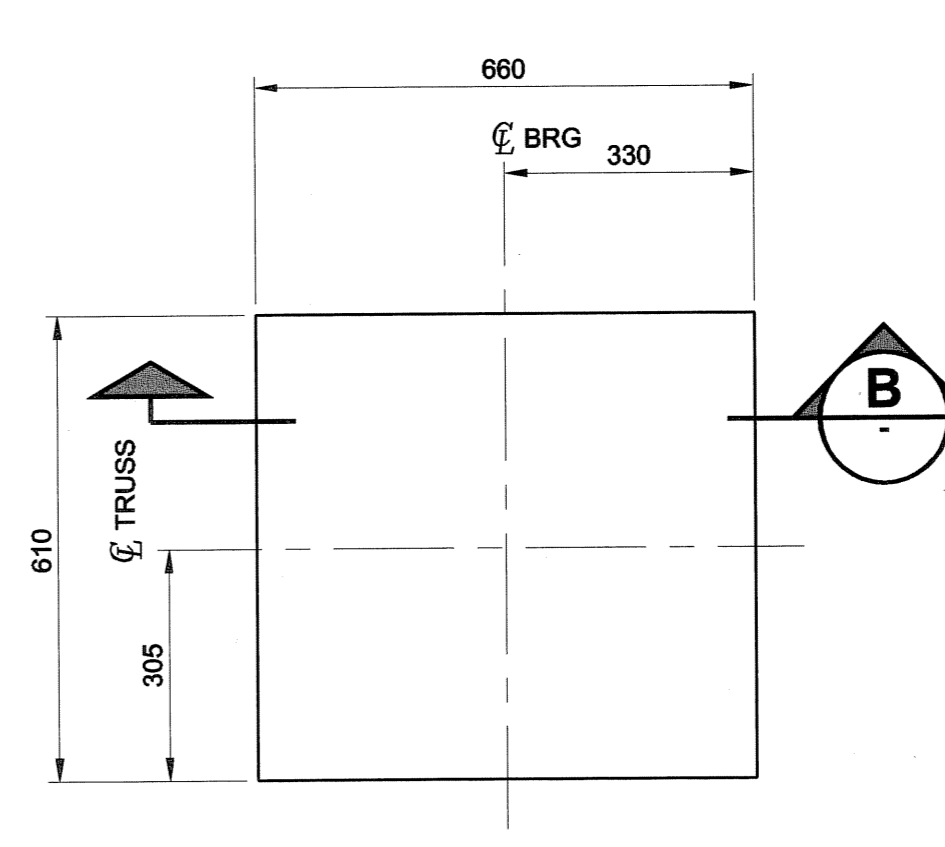
TYPICAL FOR FXD BEARING AT PIER #2 & PIER #5  
4 PCS



**PLAN OF TOP PLATE**

SCALE 1:10

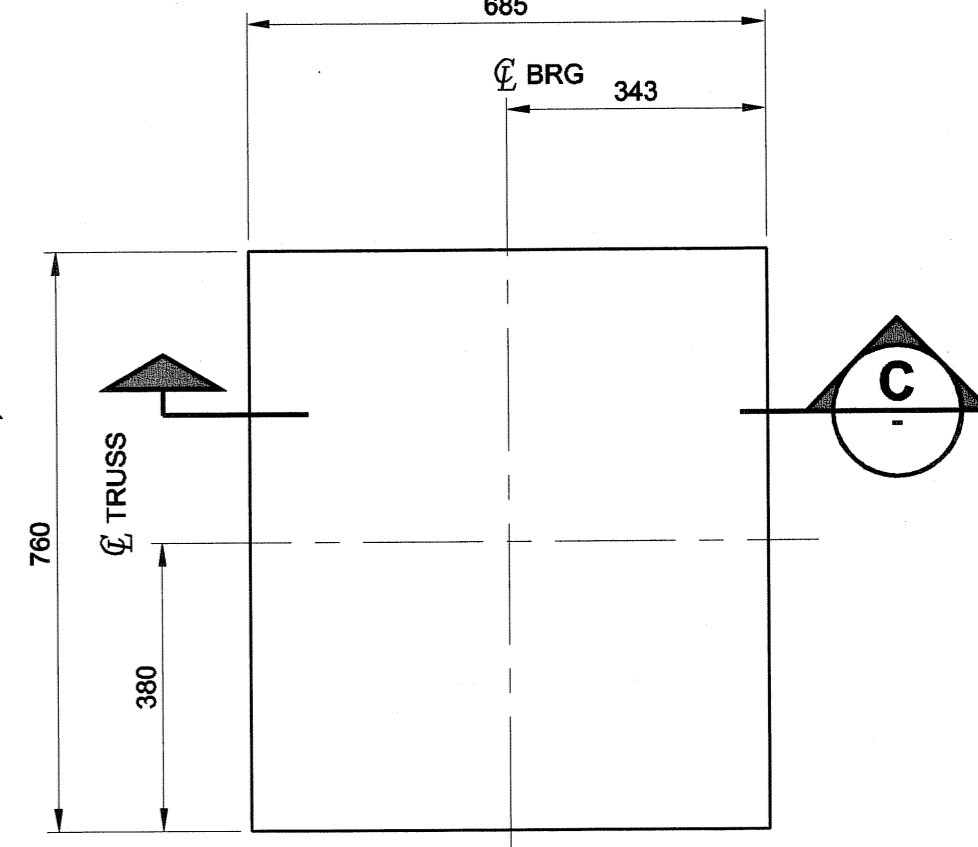
TYPICAL FOR EXP BEARINGS AT ABUTMENTS  
4 PCS



**PLAN OF TOP PLATE**

SCALE 1:10

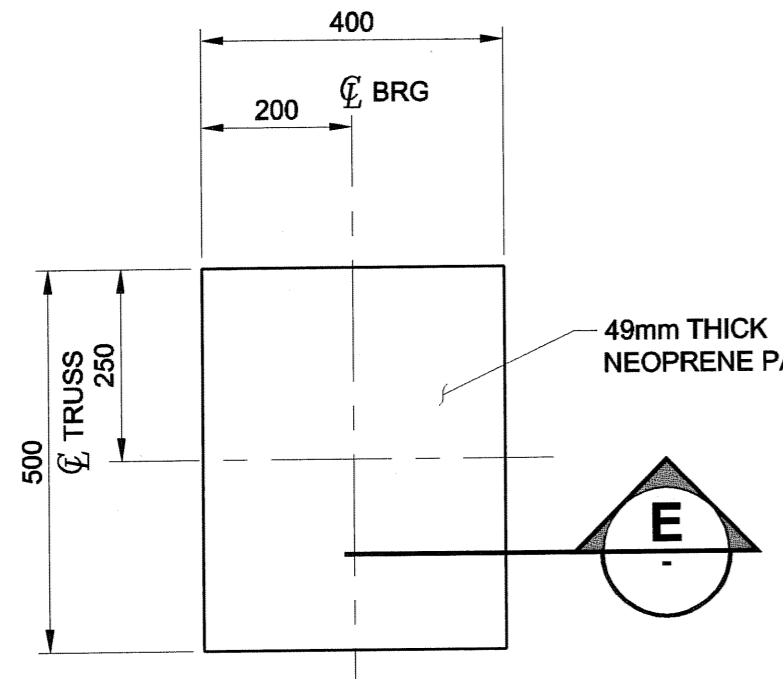
TYPICAL FOR EXP BEARINGS AT PIER #2 & PIER #4  
4 PCS



**PLAN OF TOP PLATE**

SCALE 1:10

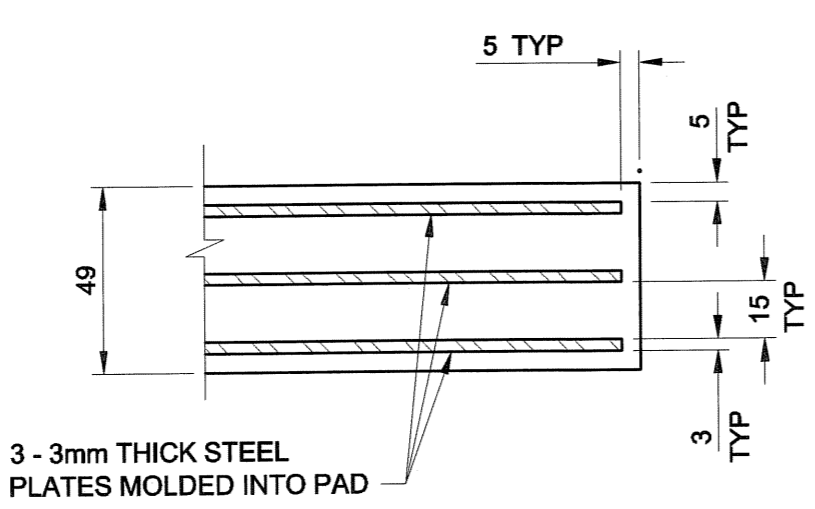
TYPICAL FOR EXP BEARING AT PIER #5  
2 PCS



**PLAN OF BOTTOM PAD**

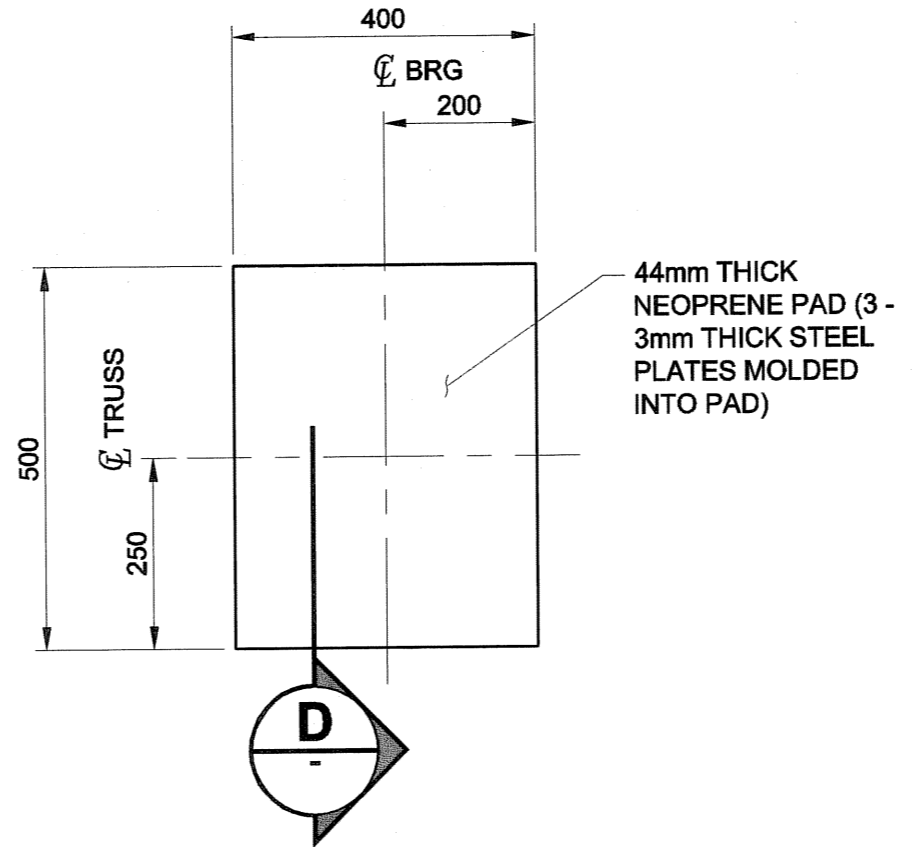
SCALE 1:10

TYPICAL FOR ALL FXD BEARINGS  
6 PCS



**SECTION E**

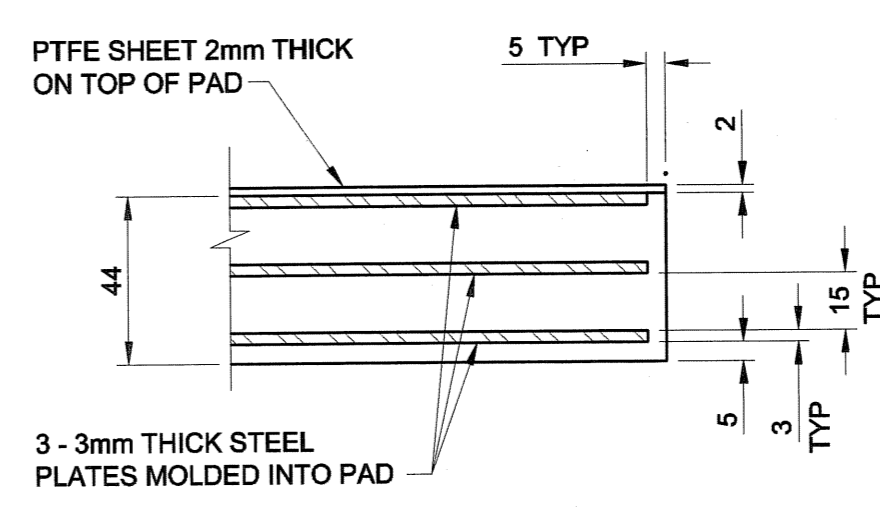
SCALE 1:2



**PLAN OF BOTTOM PAD**

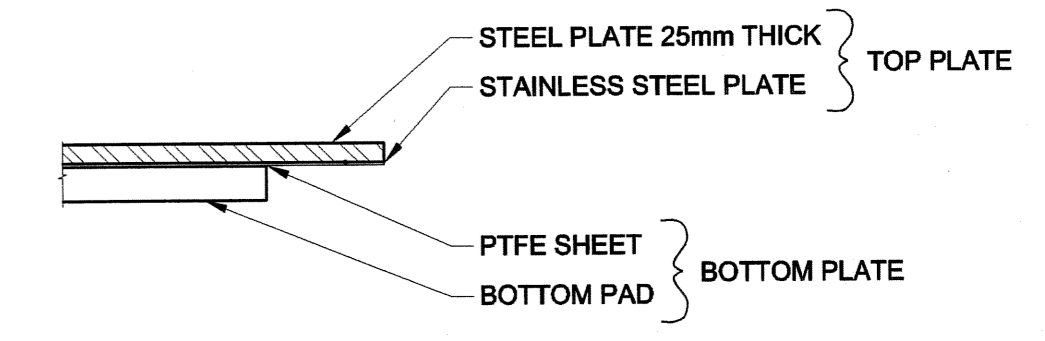
SCALE 1:10

TYPICAL FOR ALL EXP BEARINGS  
10 PCS



**SECTION D**

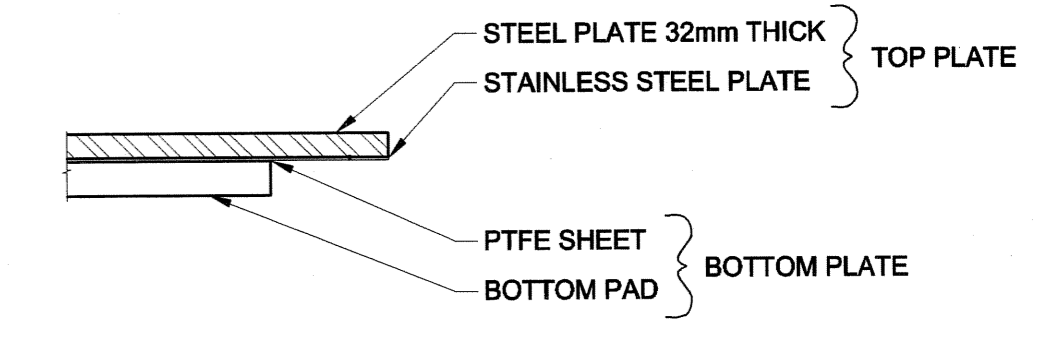
SCALE 1:2



**PARTIAL SECTION**

SCALE 1:10

TYPICAL EXP BEARING ASSEMBLY



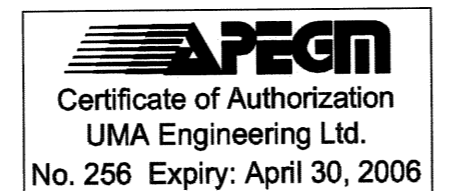
**PARTIAL SECTION**

SCALE 1:10

TYPICAL EXP BEARING ASSEMBLY

**NOTE:**  
ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



<b>uma</b> UMA Engineering Ltd. * Consulting * Engineering * Construction * Management Services	
DESIGNED BY: BLL	CHECKED BY: SBB
DRAWN BY: CGC	APPROVED BY: BUB
HOR. SCALE: AS SHOWN	ACCEPTED BY: [Signature]
VERT. SCALE: AS SHOWN	DATE: 2005 07 07
NO. 0	ISSUED FOR CONSTRUCTION 05/07/05 MP
NO. 1	REVISIONS [Blank] YMMDD BY



**THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT**

**REDWOOD BRIDGE REHABILITATIVE MAINTENANCE AND RELATED WORKS**

**BEARING LAYOUT PLAN AND BEARING DETAILS**

CITY DRAWING NUMBER: B113-05-20  
SHEET 20 OF 74  
REV 20 0

CONSULTANT DRAWING NO. 20  
0265-376-00