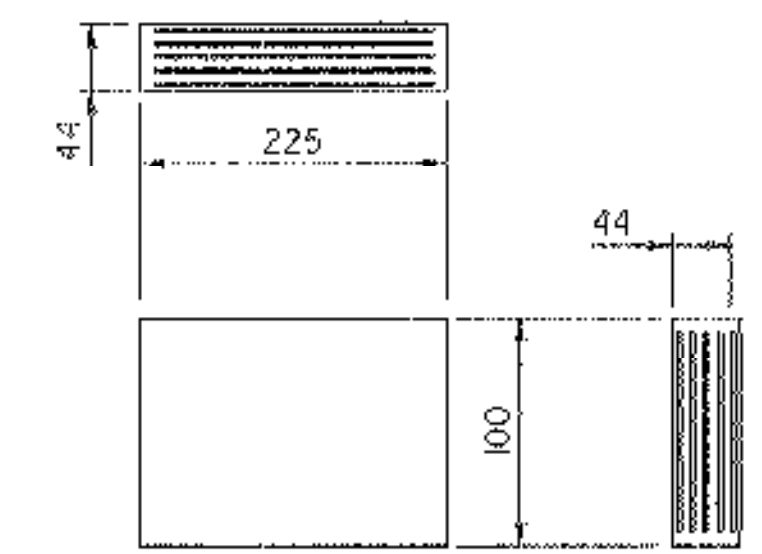


BEARING PLACEMENT PLAN

(SIMILAR AT PIER)
SCALE = 1:10

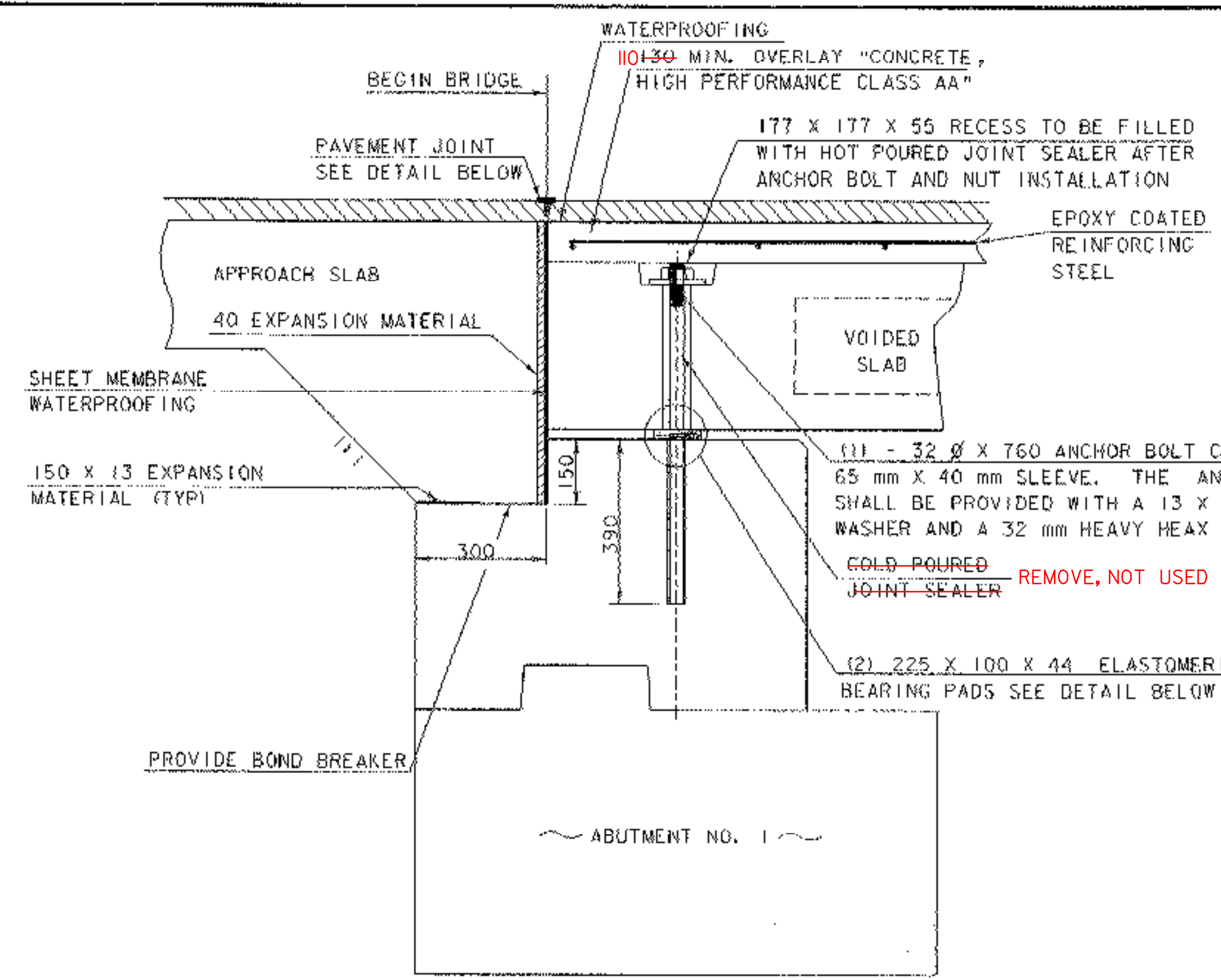
**** NOTE:**

FABRICATOR SHALL SUPPLY A SELF ADHESIVE COMPRESSIBLE SEALER BETWEEN THE BOTTOM OF THE UNITS AND THE BRIDGE SEAT. THIS COMPRESSIBLE SEALER SHALL SURROUND THE 65 DIA SLEEVE IN THE UNIT. THE PURPOSE OF THE SEALER IS TO FACILITATE PLACEMENT OF THE "MORTAR OR JOINT SEALER" AROUND THE ANCHOR BOLTS.



ELASTOMERIC BEARING DETAIL

4 - 7mm LAYERS OF ELASTOMERIC ALTERNATING WITH 5 - 14 GAGE STEEL REINFORCING PLATES

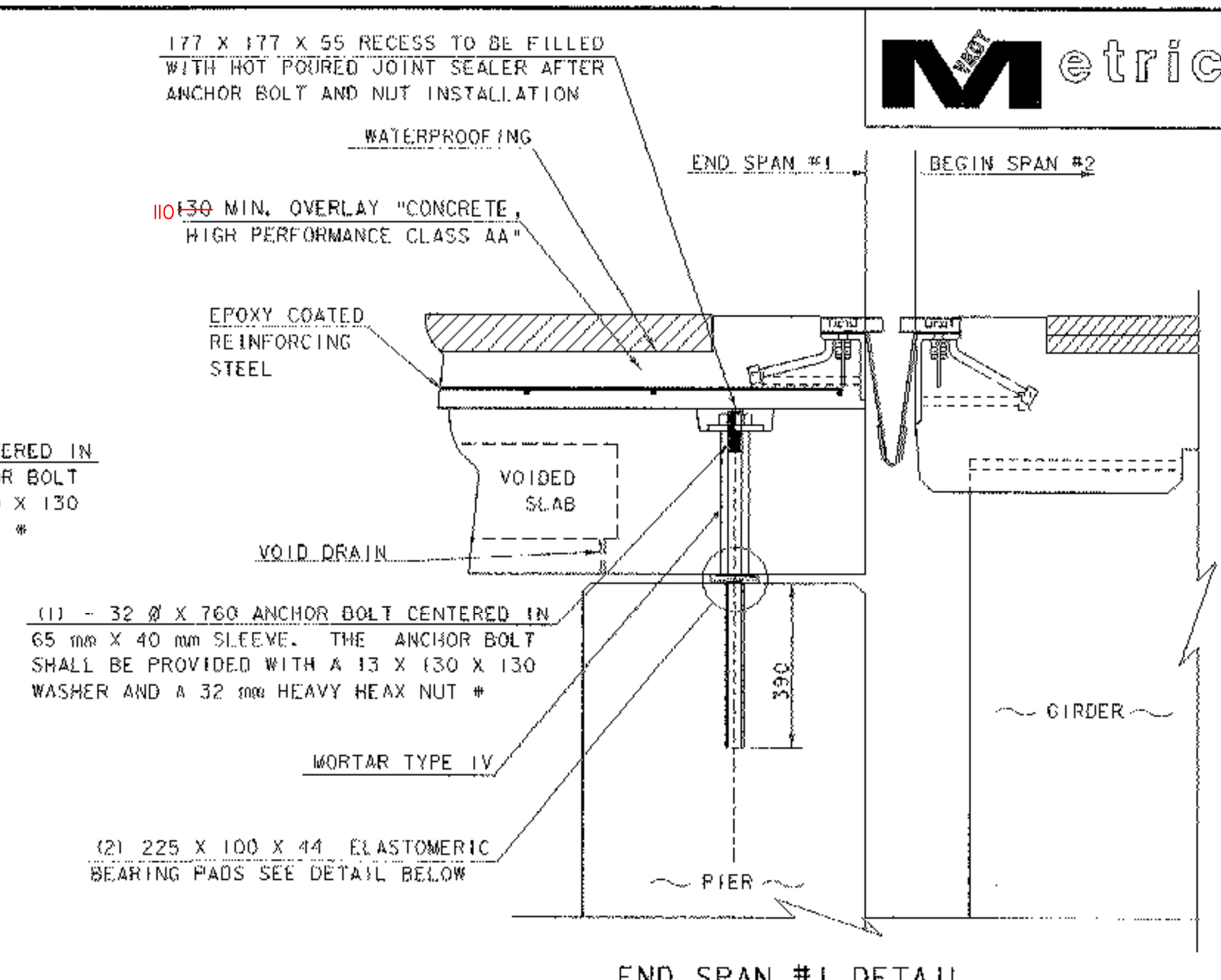


BEGIN BRIDGE (SPAN #1) DETAIL

SCALE = 1:10

NOTE:

PLACE SHEET MEMBRANE WATERPROOFING ALONG BACK OF OVERLAY AND VOIDED SLAB. THE ALL COST SHALL BE INCIDENTAL TO CONCRETE, HIGH PERFORMANCE CLASS AA.



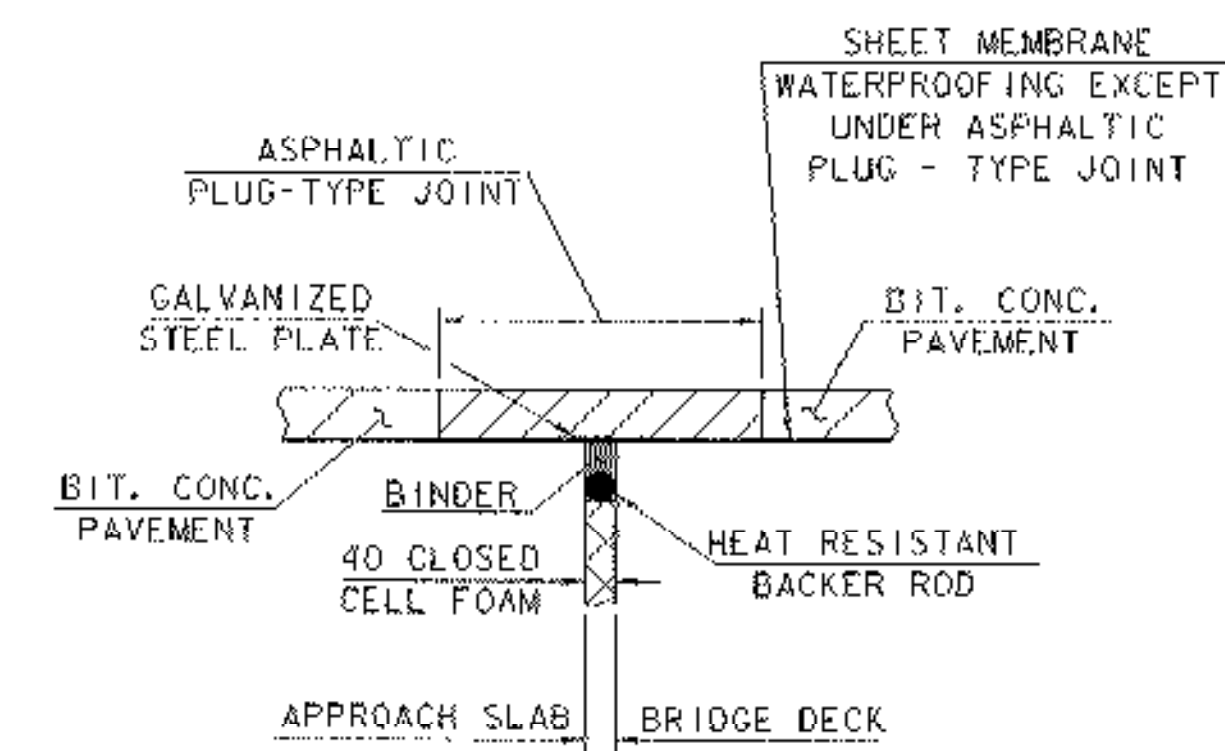
END SPAN #1 DETAIL

SCALE = 1:10

* CORE 40 mm X 390 ANCHOR BOLT HOLE AFTER PLACING VOIDED SLABS. INJECT WITH APPROVED EPOXY TO SECURE BOLTS

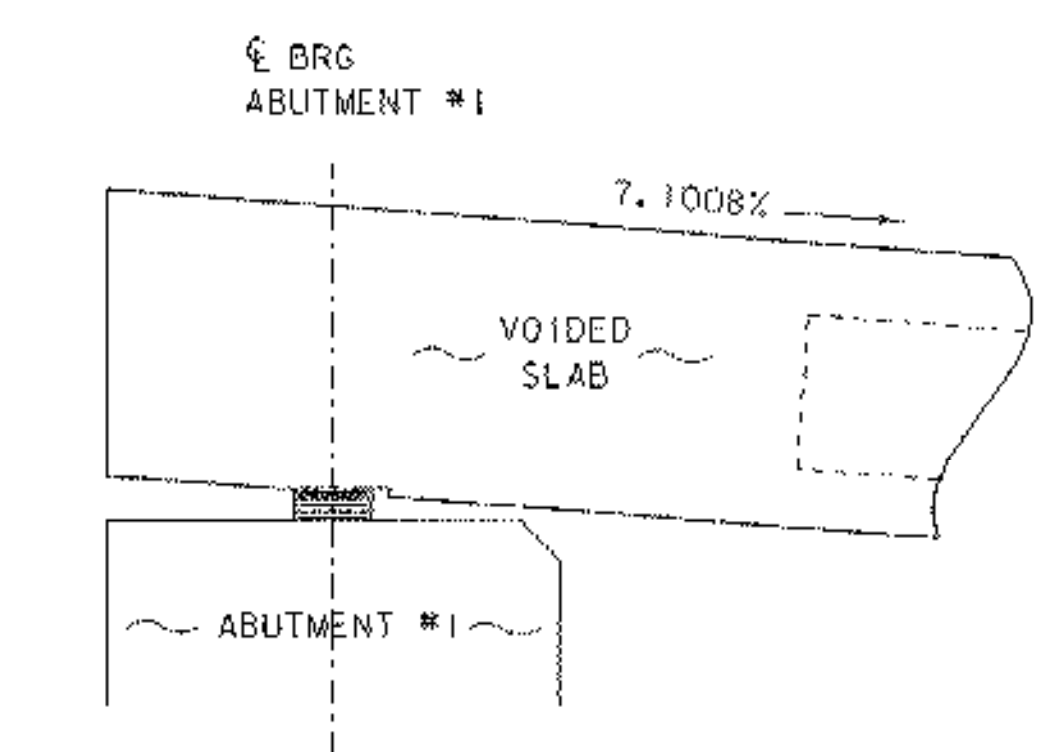
BEARING NOTES

- ALTERNATE CONFIGURATIONS FOR ELASTOMERIC BEARINGS MAY BE SUBMITTED FOR APPROVAL. ANY ALTERNATE BEARING SUBMITTED SHALL BE DESIGNED AND CERTIFIED TO MEET THE LOADS AND CRITERIA SHOWN ON THIS SHEET AND MAINTAIN THE ANCHORAGE SYSTEM SHOWN. THE BEARINGS SHALL BE DESIGNED ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" 2002 EDITION AND ITS LATEST REVISIONS.
- THE BEARING SHAPE FACTOR SHALL BE BETWEEN 5.0 AND 12.0.
- ALL REINFORCEMENT BETWEEN LAYERS OF ELASTOMERIC SHALL BE STEEL GRADE 250. NO FABRIC REINFORCEMENT WILL BE PERMITTED.
- ELASTOMERIC BEARINGS REINFORCED WITH STEEL SHALL HAVE A 3mm EDGE SEAL OF ELASTOMERIC INTEGRAL WITH THE BEARING OVER ALL PLATES.
- ALL MATERIALS AND FABRICATION SHALL BE PER AASHTO DIVISION 11 SECTION 18.2 AND AASHTO MATERIAL SPECIFICATION M251.
- DESIGN CRITERIA:
 - TEMPERATURE RANGE: -34°c TO 49°c
 - NORMAL HARDNESS OF 60 ON SHORE "A" SCALE
 - SHEAR MODULUS BETWEEN 0.896 MPa AND 1.207 MPa
 - DESIGN ROTATION: 0.01730 RAD
 - REACTION/BEAM:
 - RDL: 59.55 kN
 - RLI: 61.74 kN
 - HORIZONTAL CAPACITY SHALL BE MINIMUM OF 20% VERTICAL LOAD IN ANY RESTRAINED DIRECTIONS
 - ELASTOMERIC BEARING PAD TO CONCRETE PRESSURE 5.39 MPa



ASPHALTIC PLUG-TYPE JOINT DETAIL

NTS



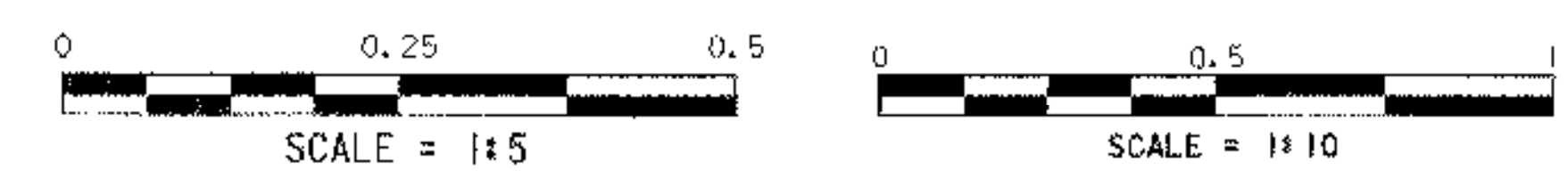
BEARING CROP OUT DETAIL

SCALE = 1:10

NOTE: FABRICATOR TO DETERMINE DIMENSIONS FOR BEARING CROP OUT TO ACCOMMODATE GRADE

BRIDGE SEAT ELEVATIONS

ABUTMENT NO. 1	PIER #1
181.826	181.020



PROJECT: BETHEL	PROJECT NO.: BRFO241 (33) C/2
DESIGN FILE NAME: 02c180\structure\02c180sup.dgn	PLOT DATE: 15-APR-2005
IPARM FILE NAME: s02c180v8end.i	DRAWN BY: M. LONGSTREET
DESIGNED BY: K. HIGGINS	CHECKED BY: K. HIGGINS
SQUAD LEADER: C. P. WILLIAMS	SHEET: 36 OF 130
BEGIN/END SPAN #1 DETAILS	