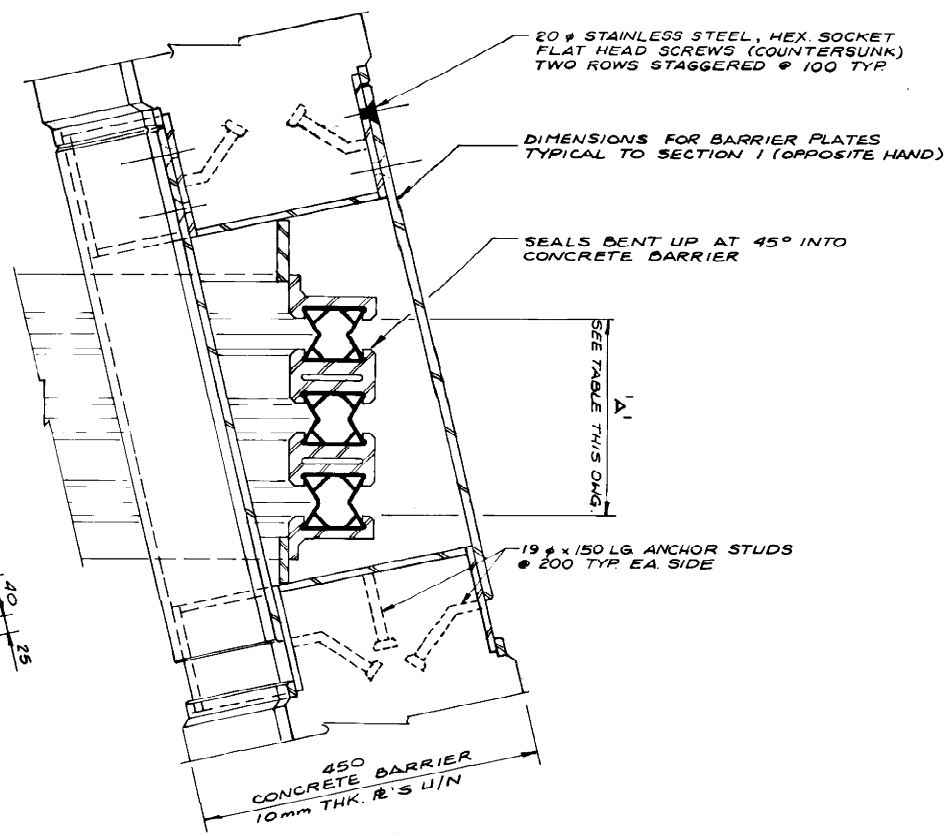
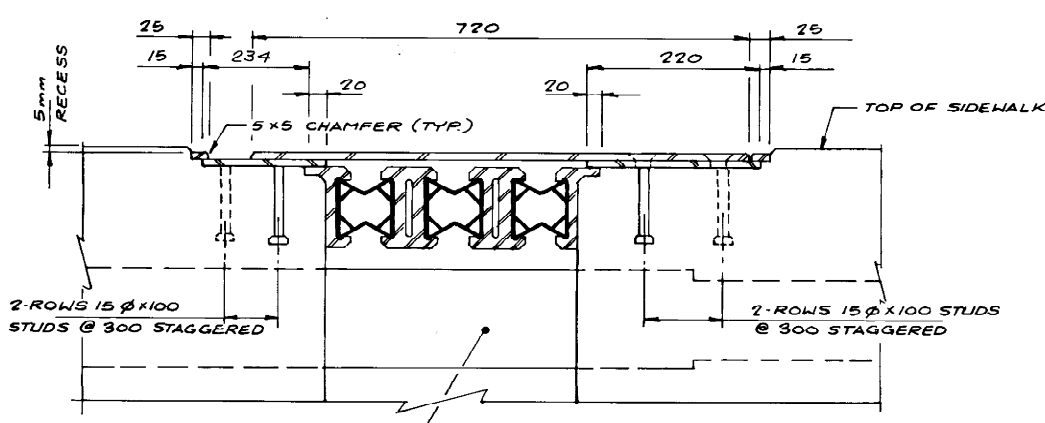


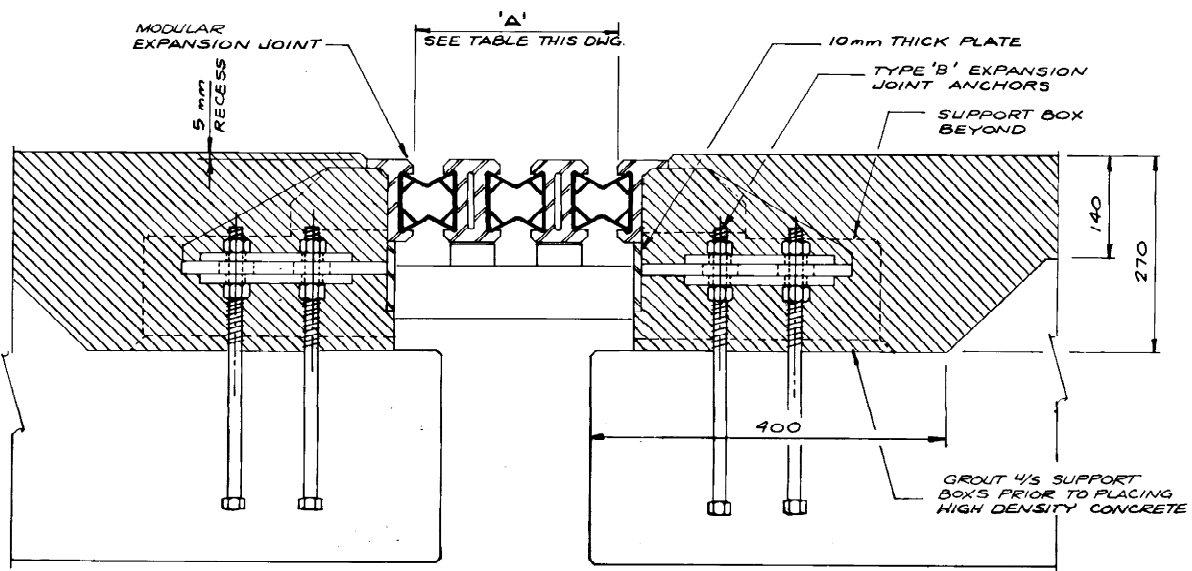
PLAN / SECTION 1
1:5



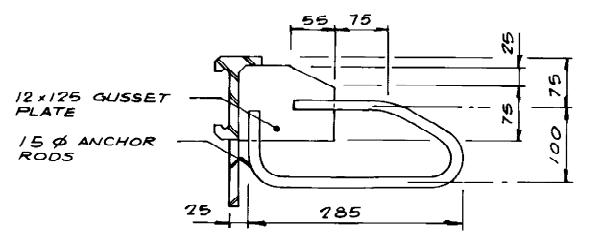
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1:5



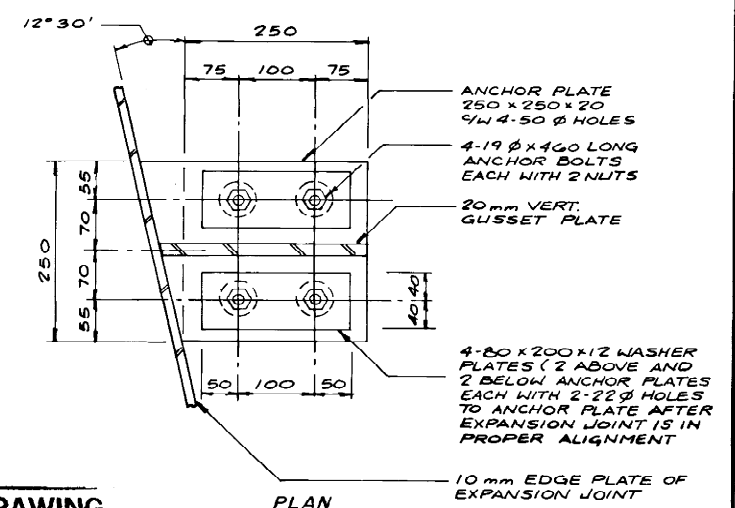
SECTION 3
1:5



SECTION 4
1:5



ELEVATION ANCHOR TYPE 'A'
1:5



PLAN ANCHOR TYPE 'B'
1:5

EXPANSION JOINT NOTES:

1. MANUFACTURER'S SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL AT LEAST FOURTEEN (14) WORKING DAYS PRIOR TO FABRICATION. THE EXPANSION JOINT ASSEMBLIES SHALL BE DESIGNED TO CARRY AASHTO HS30-44 LIVE LOADING.
2. STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21M GRADE 300 W OR EQUAL.
3. STEEL EXTRUSIONS SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21M GRADE 230 G MINIMUM.
4. ALL STEEL SURFACES SHALL BE HOT DIP GALVANIZED TO A NET RETENTION OF 600 G/M² IN ACCORDANCE WITH CSA STANDARD G 164 AFTER FABRICATION AND INSTALLED IN ONE CONTINUOUS PIECE.
5. JOINT ASSEMBLY SHALL BE FABRICATED AND COMPLETELY SHOP ASSEMBLED AND PRESET TO DIMENSION 'J' OR 'A' FOR 15° C PRIOR TO SHIPMENT.
6. WELDING SHALL BE OF LOW HYDROGEN CLASSIFICATION. MANUAL ELECTRODES SHALL BE E7016 OR E7018. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W59.
7. SEAL SHALL BE PREFORMED NEOPRENE RUBBER SEAL. EACH RUBBER SEAL SHALL BE SUPPLIED AND INSTALLED IN ONE CONTINUOUS PIECE. NO SPLICES IN THE RUBBER SEAL WILL BE PERMITTED.
8. JOINT ASSEMBLY SHALL BE INSTALLED 5 mm BELOW ELEVATION AND GRADE OF BRIDGE DECK.
9. AFTER REMOVAL OF CLAMPING CHANNELS AND SPACER DAM, BOLT AND BLEEDER HOLES TO BE FILLED WITH AN APPROVED EPOXY GROUT.
10. INSTALLATION TEMPERATURE SHALL BE TAKEN AS THE MEAN SHADE AIR TEMPERATURE PRIOR TO JOINT INSTALLATION AT THE STRUCTURE.
11. ALL AREAS OF DAMAGED GALVANIZING AND FIELD WELDING, SHALL BE REPAIRED BY USING THE GALVALLOY PROCEDURE AS SPECIFIED.

NOTE: FOR DUCT THRU EXPANSION JOINTS SEE DETAIL 'B' ON SHT-595

* 43
* 44

RECORD DRAWING
APPROVED BY: [Signature] DATE: 90.11.28

DIMENSION 'A' TEMPERATURE ADJUSTMENT TABLE		TEMPERATURE °C											
LOCATION	TYPE OF JOINT	40	35	30	25	20	15	10	5	0	-5	-10	-15
SU-1 N AND SU-1 S	ELASTOMETAL ACME BOX SEAL MODULAR SYSTEM E 270 (3 SEAL, 2 CENTRE BEAM)	216	226	236	247	257	267	278	288	299	309	319	330
SU-6 N AND SU-6 S	SAME AS ABOVE	230	237	244	250	257	264	270	277	284	290	297	304

LOCATION APPROVED UNDERGROUND STRUCTURES
NA
SUPV. U/G STRUCTURES COMMITTEE DATE: _____
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY

DILLON
Consulting Engineers - Planners
Environmental Scientists
DESIGNED BY: W.P.S. CHECKED BY: S.S.R.
DRAWN BY: K.C. APPROVED BY: [Signature]
HOR. SCALE: AS SHOWN
VERTICAL: AS SHOWN
DATE: MAR. 1989

ENGINEER'S SEAL
PROVINCE OF MANITOBA
22/4/89
S.S. RIHAL
REGISTERED ENGINEER
CONSULTANT DRAWING NO. _____

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
STREETS & TRANSPORTATION DEPARTMENT
KILDONAN CORRIDOR BRIDGE
STEEL GIRDER ALTERNATIVE
EXPANSION JOINTS
AT SU-1 AND SU-6
SHEET 2 OF 2
CITY DRAWING NUMBER: B216-89-44S
SHEET OF: _____
B-5828-47