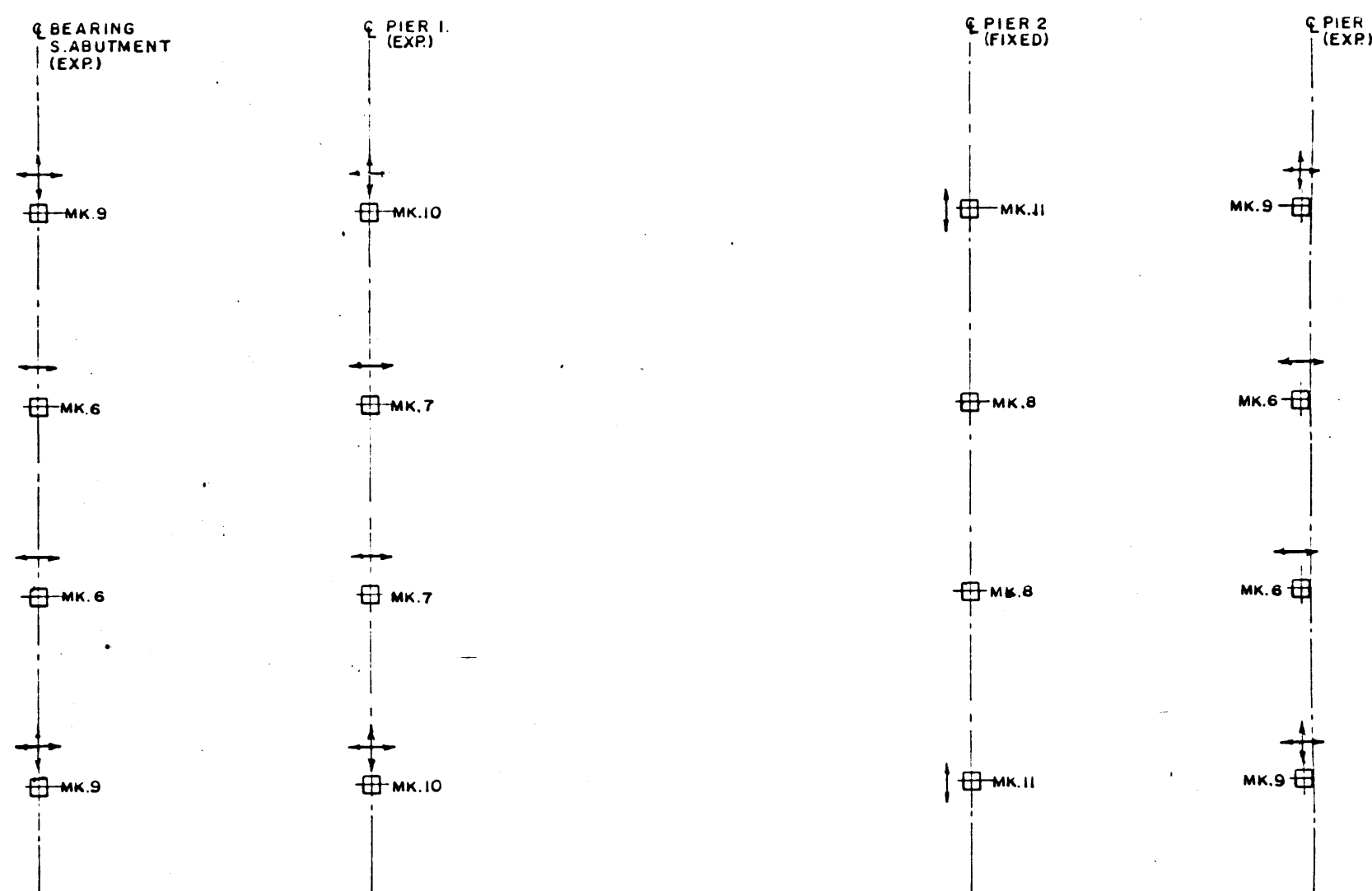
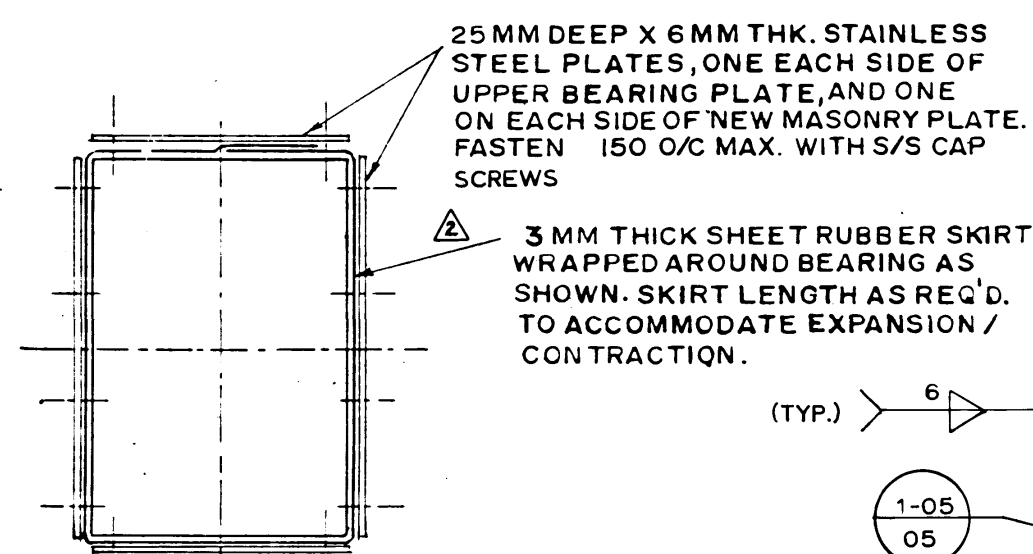
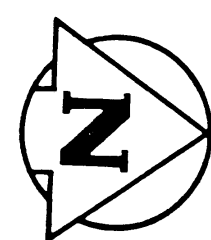
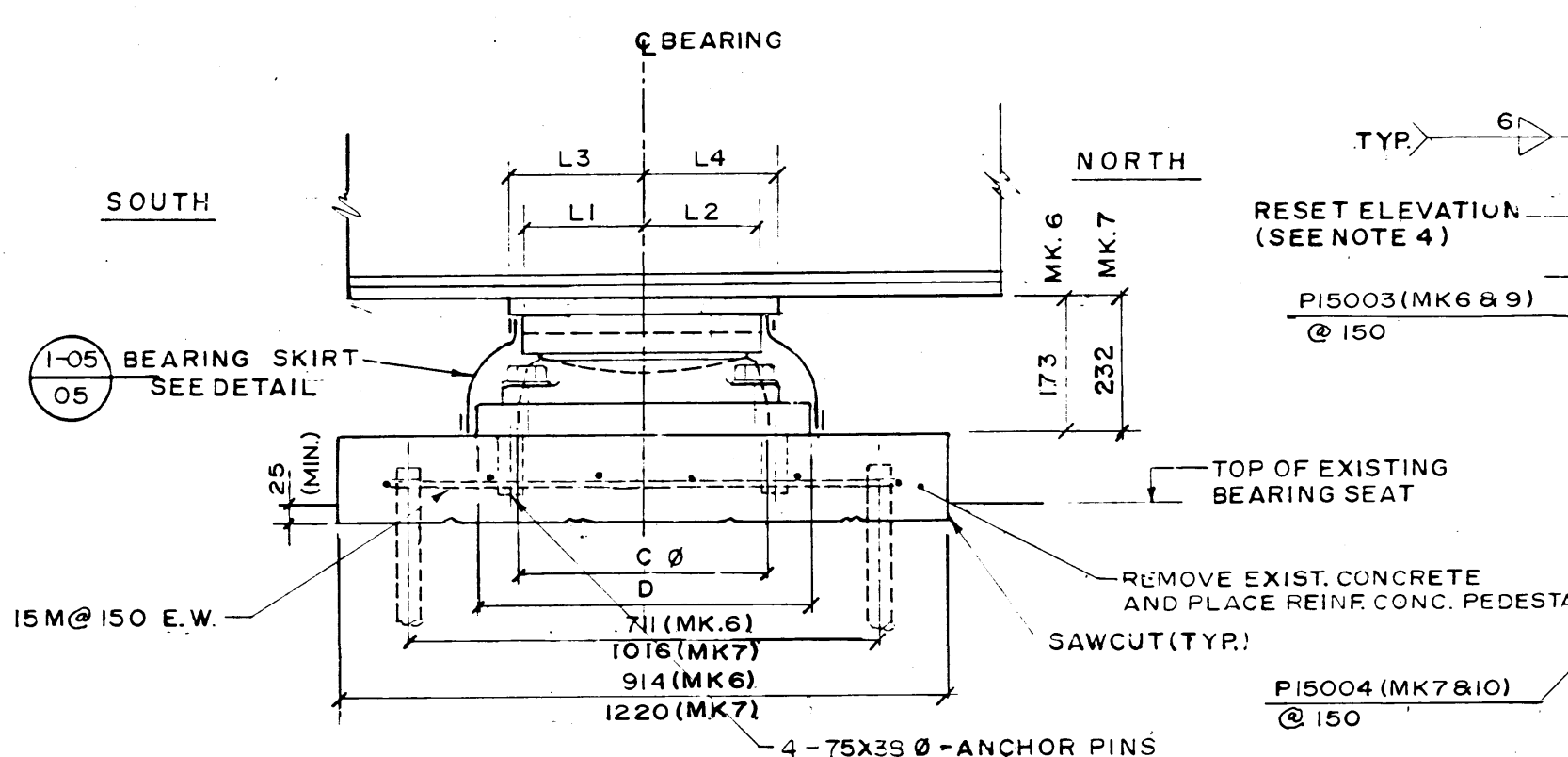




RIVER CROSSING SPAN-BEARING KEY PLAN

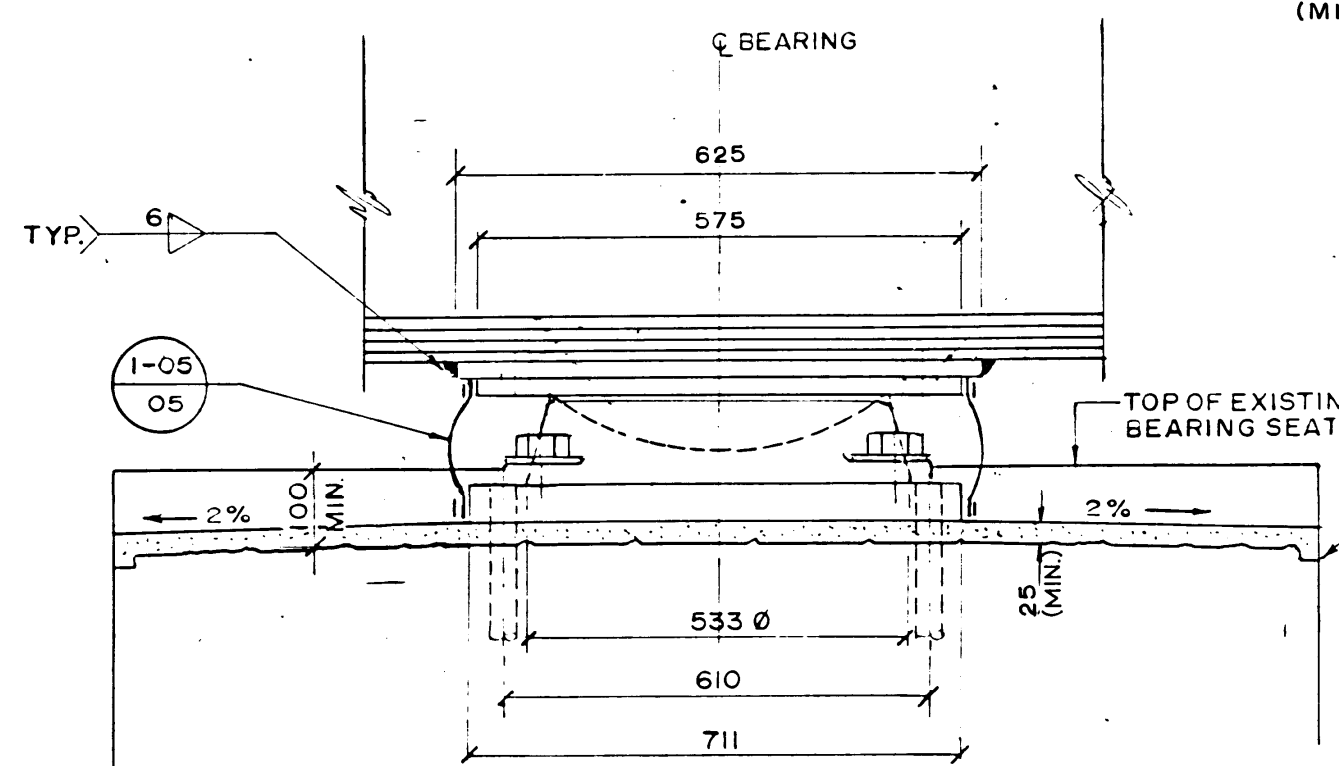


BEARING SKIRT



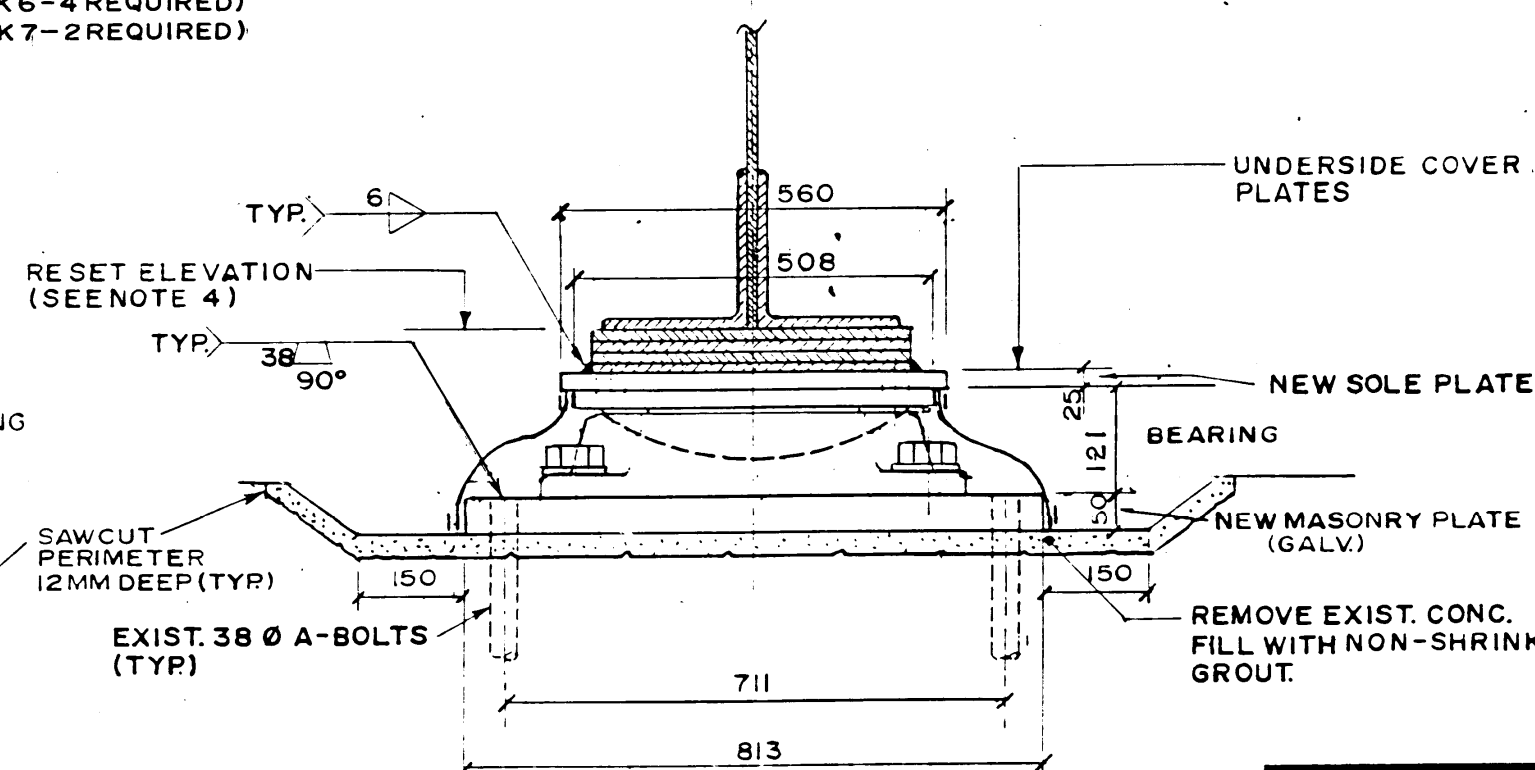
UNIDIRECTIONAL SPHERICAL SLIDING BEARING (MK.6 & MK.7)

SCALE 1:10
(MK.6-4 REQUIRED)
(MK.7-2 REQUIRED)

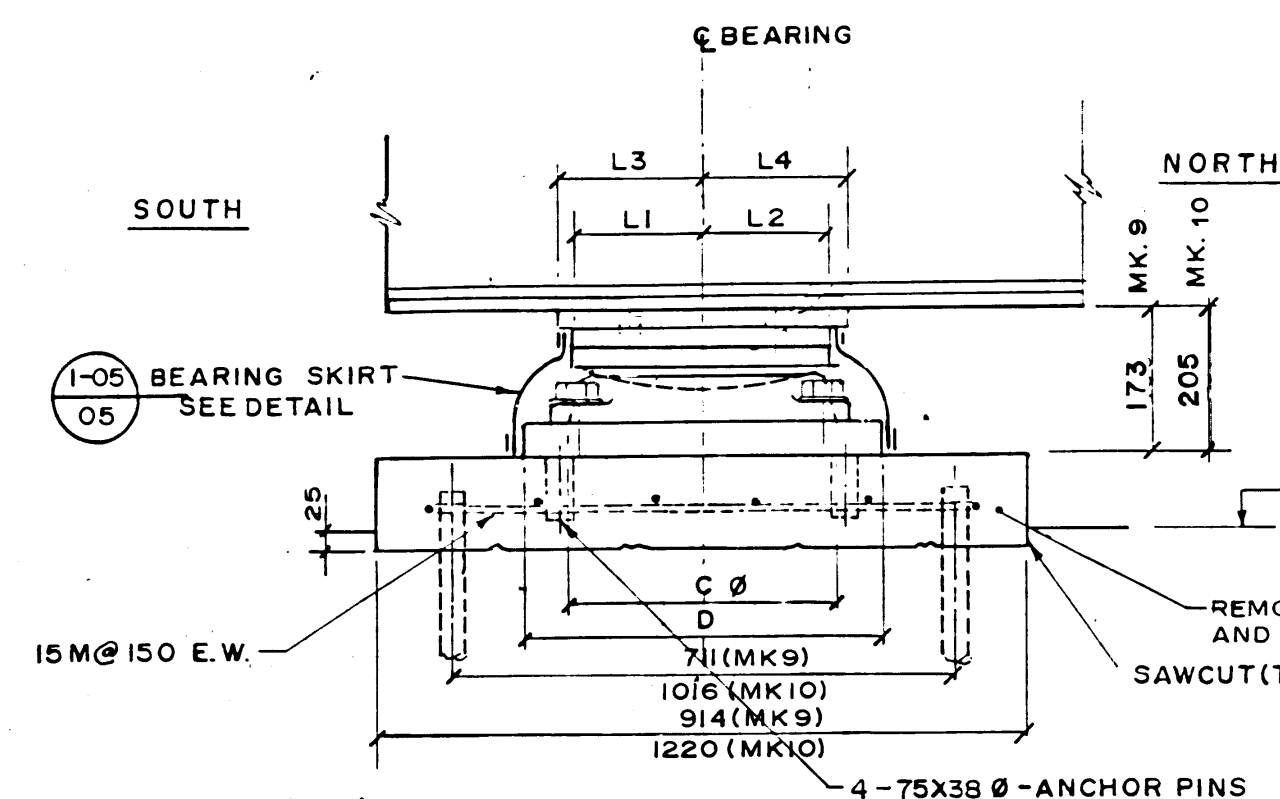


FIXED SPHERICAL BEARING (MK.8)

SCALE 1:10
(2 REQUIRED)

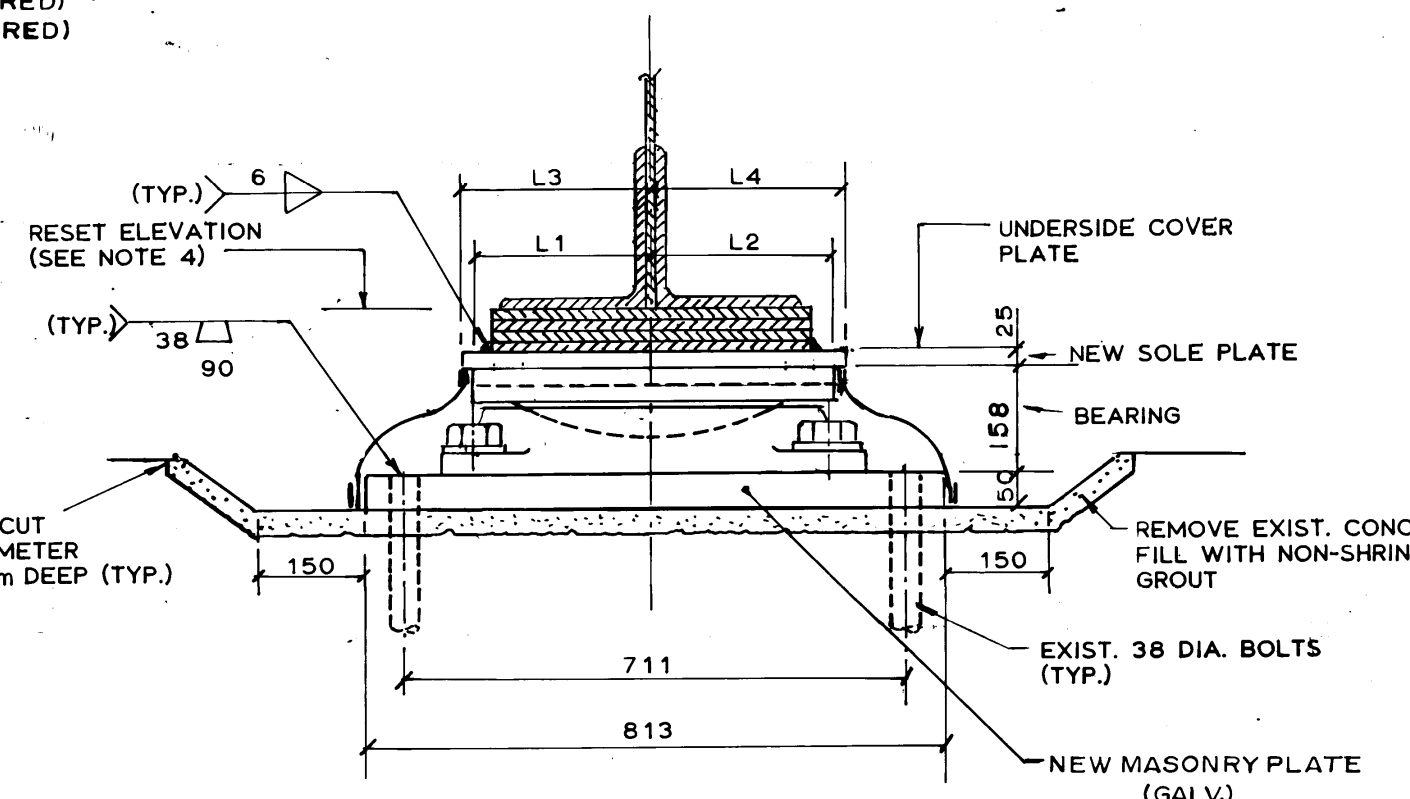
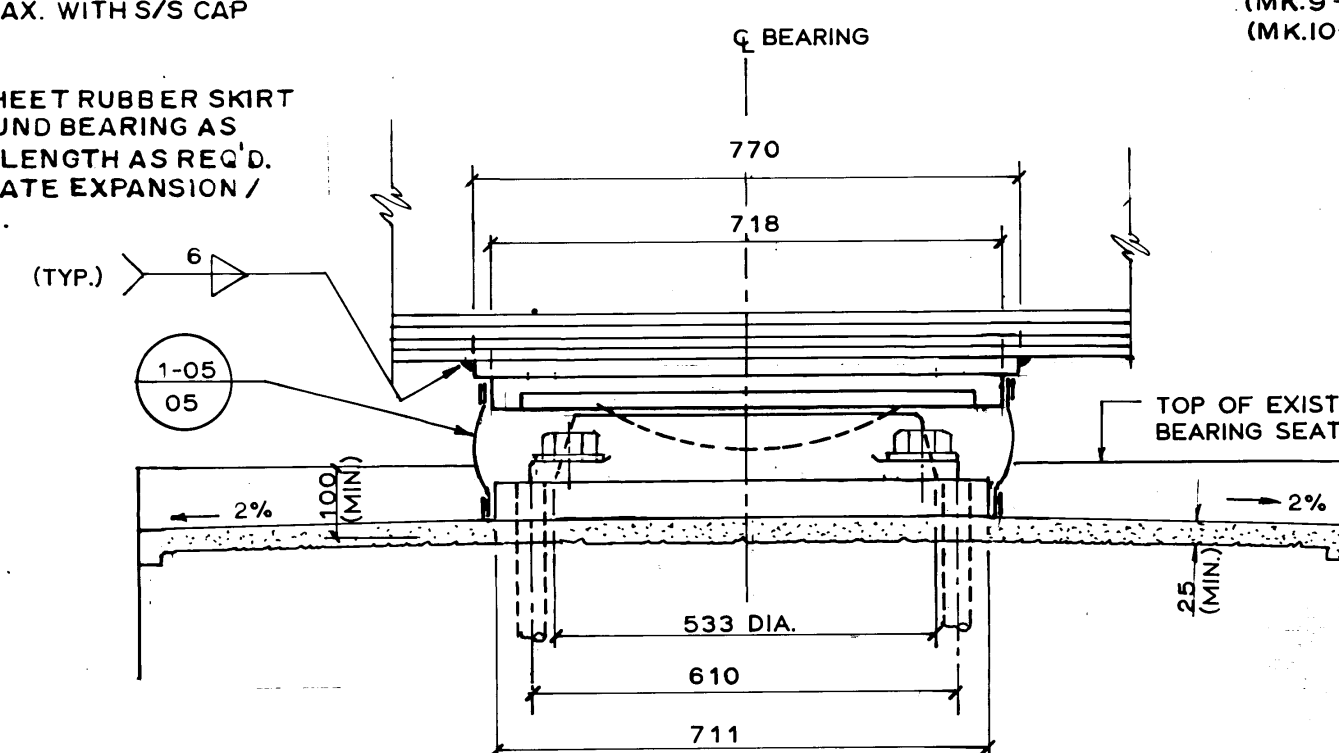


A. DETAIL NO.
B. DRAWING WHERE DETAIL SHOWN
C. DRAWING WHERE DETAIL TAKEN



MULTIDIRECTIONAL SPHERICAL SLIDING BEARING (MK.9 & MK.10)

SCALE 1:10
(MK.9-4 REQUIRED)
(MK.10-2 REQUIRED)



UNIDIRECTIONAL SPHERICAL SLIDING BEARING (MK.11)

SCALE 1:10
(2 REQUIRED)

BEARING DESIGN DATA									
LOCATION	S. ABUTMENT		PIER 1		PIER 2		PIER 3		
MARK	MK.6	MK.9	MK.7	MK.10	MK.8	MK.11	MK.6	MK.9	
TYPE	GUIDED	NON-GUIDED	GUIDED	NON-GUIDED	GUIDED	NON-GUIDED	GUIDED	NON-GUIDED	
MODEL	GYC'150	GX'C'150	GYC'350	GX'C'350	G2C'350	GYC'350	GYC'150	GXC'150	
DL	765	765	2640	2640	2640	2640	765	765	
DL +LL	1450	1450	3720	3720	3720	3720	1450	1450	
LAT. LOAD	100	N/A	240	N/A	240	N/A	100	N/A	
LONG LOAD	N/A	N/A	N/A	N/A	235	235	N/A	N/A	
L1*	247	247	288	288	N/A	260	194	194	
L2*	215	215	270	270	N/A	260	208	208	
L3*	273	273	314	314	N/A	285	220	220	
L4*	241	241	296	296	N/A	285	234	234	
A	533	362	718	508	N/A	N/A	533	362	
B	580	465	767	540	N/A	N/A	580	465	
C	375	365	533	533	N/A	N/A	375	365	
D	500	500	560	560	N/A	N/A	500	500	

* AT SETTING TEMPERATURE OF 15°C.
▲ LOADS EXPRESSED IN KILONEWTONS.

NOTES:

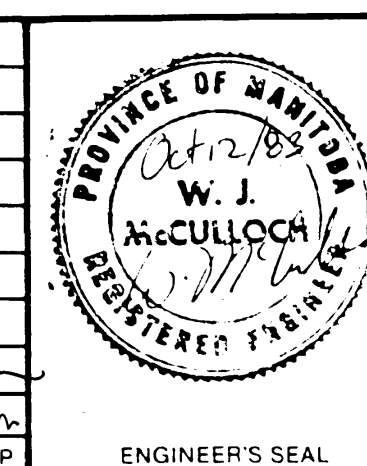
- CONTRACTOR IS TO REMOVE EXISTING SOLE PLATES AND MASONRY PLATES.
- BEARINGS SHOWN ARE GLACIER BEARINGS.
- NEW MASONRY PLATES AND SOLE PLATES ARE DRILLED AND TAPPED TO PROVIDE ATTACHMENT TO BEARINGS.
- ELEVATIONS TO UNDERSIDE GIRDER FLANGE ANGLES TO BE RESET TO EXISTING ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION (I.E. ELEVATION OF GIRDER CENTROID REMAINS UNCHANGED FOLLOWING COVER PLATING AND INSTALLATION OF NEW BEARINGS).
- STAINLESS STEEL BOLTS DRILLED AND TAPPED INTO SOLE PLATE. CONNECTION BETWEEN SOLE PLATE AND UPPER BEARING PLATE CAN BE REMOVED WITHOUT CONFLICTING WITH LOWER BEARING PLATE AND CONNECTORS.

B-5520-5

REID, CROWTHER & PARTNERS LIMITED
WINNIPEG
AS CONSTRUCTED
SIGNED: *[Signature]* DATE: 8/23/04

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NO.	REVISIONS	DATE	APP.
1	AS BUILT	84 10 02	
2	SETTING VALUES REVISED	83 12 23	



Reid, Crowther & Partners Limited
CONSULTING ENGINEERS AND PLANNERS
VANCOUVER CALGARY EDMONTON REGINA WINNIPEG
DESIGNED BY: W. J. M. DRAWN BY: S. S.
CHECKED BY: B. E. DATE: 83 10 07
APPROVED BY: *[Signature]* DATE: 83/10/14

THE CITY OF WINNIPEG
WORKS & OPERATIONS DIVISION
STREETS & TRANSPORTATION DEPARTMENT

MIDTOWN BRIDGE
DECK RECONSTRUCTION,
STRUCTURAL STRENGTHENING
AND RELATED WORKS
BEARING DETAILS - SPANS 1, 2 & 3
AUTHORIZED BY: *[Signature]* DATE: 8/23/04
ACCEPTED BY: *[Signature]* DATE: 8/23/04
SCALE AS SHOWN DRAWING NO. B114-84-05