



COLUMNS 200 O.D. x 6.35 THICK (TYP)

BRACES 64 DIA. SCH. 40 (TYP)

WEST SUPPORT
1:25 (LOOKING WEST)

EAST SUPPORT
1:25 (LOOKING EAST)

**BRACE JOINT WELD REPAIR LOCATIONS:
(IDENTIFIED BY FIELD INSPECTION)**

HORIZONTAL SUPPORT TOP FACE:

- C3 (A3) - 1 cm

HORIZONTAL SUPPORT BOTTOM FACE:

- C6 (B7) - 1 cm

EAST VERTICAL SUPPORT:

- D1 (E2) - 15 cm
- D2 (E3) - 8 cm

NOTE:

C3 (A3) INDICATES WELD REPLACEMENT IS REQUIRED AT NODE C3 FOR THE BRACE ORIGINATING AT NODE A3.

TOTAL ESTIMATED WELD REPAIR LENGTH IDENTIFIED BY FIELD INSPECTION = 25 cm
TOTAL ESTIMATED WELD REPAIR LENGTH IDENTIFIED BY SHOP INSPECTION = 20 cm

MISCELLANEOUS REPAIR LOCATIONS:

DRAINAGE HOLES

- TWO DRAINAGE HOLES SHOULD BE PROVIDED FOR HORIZONTAL BRACES, LOCATED AT EACH END OF THE BRACE ON THE UNDERSIDE OF THE BRACE.
- ONE DRAINAGE HOLE SHOULD BE PROVIDED FOR VERTICAL BRACES, LOCATED AT THE BOTTOM ON THE SIDE OPPOSITE TO ON COMING TRAFFIC.
- ONE DRAINAGE HOLE SHOULD BE PROVIDED FOR ANGLED BRACES, LOCATED AT THE BOTTOM ON THE UNDERSIDE OF THE BRACE.
- THE DIAMETER OF THE DRAINAGE HOLES SHALL BE A MAXIMUM OF 4 mm. TORCHING OF HOLES WILL NOT BE PERMITTED.

ELECTRICAL HOLES

- SEAL ALL ELECTRICAL HOLES IN THE CHORDS WITH WATERPROOF WHITE POLYETHYLENE PLUGS.
- THERE ARE APPROXIMATELY 2 HOLES THAT REQUIRE SEALING FOR STRUCTURE NO. A813.

HISTORY OF STRUCTURE:

MANUFACTURER - SHOPOST IRONWORKS
DATE OF ORIGINAL INSTALLATION - 1970
DATE OF RELOCATION - N/A
ORIGINAL LOCATION - AS SHOWN
DATE OF REFURBISHMENT - 1983
COMMENTS - ALL SPLICES ARE BUTT-WELDED TOGETHER.

NO.	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	07/23/10	JGW

DESIGNED BY:	RJT
DRAWN BY:	JGW
CHECKED BY:	SSR
APPROVED BY:	
SCALE:	HORZ. AS SHOWN VERT.
DATE:	JULY 2010
AUTHORIZED BY:	
DATE:	



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

ALUMINUM OVERHEAD SIGN SUPPORT STRUCTURES - 2010 MAINTENANCE WORKS

STRUCTURE NO. A813 DETAILS

CITY DRAWING NUMBER
OHSS-10-07
SHEET **7** OF **9**

CONSULTANT PROJECT NO.
10-3545-1000