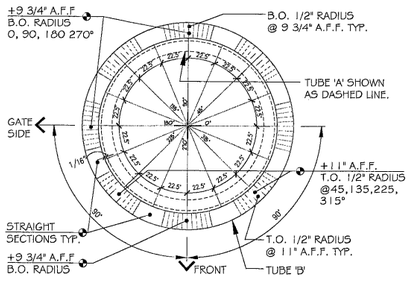
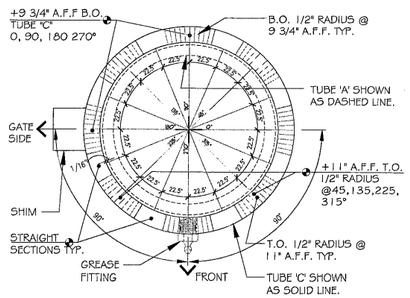
A NOT USED

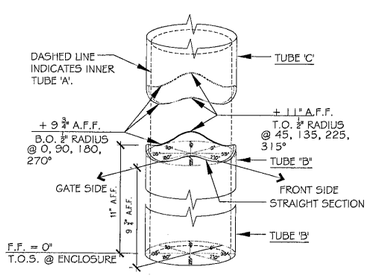
NOT TO SCALE





D TUBE 'B' PLAN (CLOSED POSITION)

NOT TO SCALE

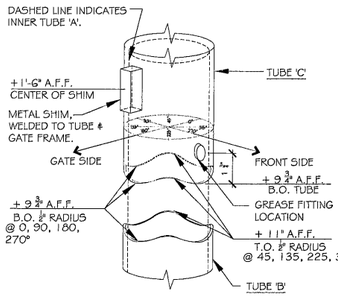


NOTE: CONTRACTOR TO GREASE JAMB ASSEMBLY PRIOR TO COMPLETION OF GATE.

117415

E TUBE 'C' PLAN VIEW

NOT TO SCALE



NOTE: CONTRACTOR TO GREASE JAMB ASSEMBLY PRIOR TO COMPLETION OF GATE.

F TUBE 'B' (AXONOMETRIC)

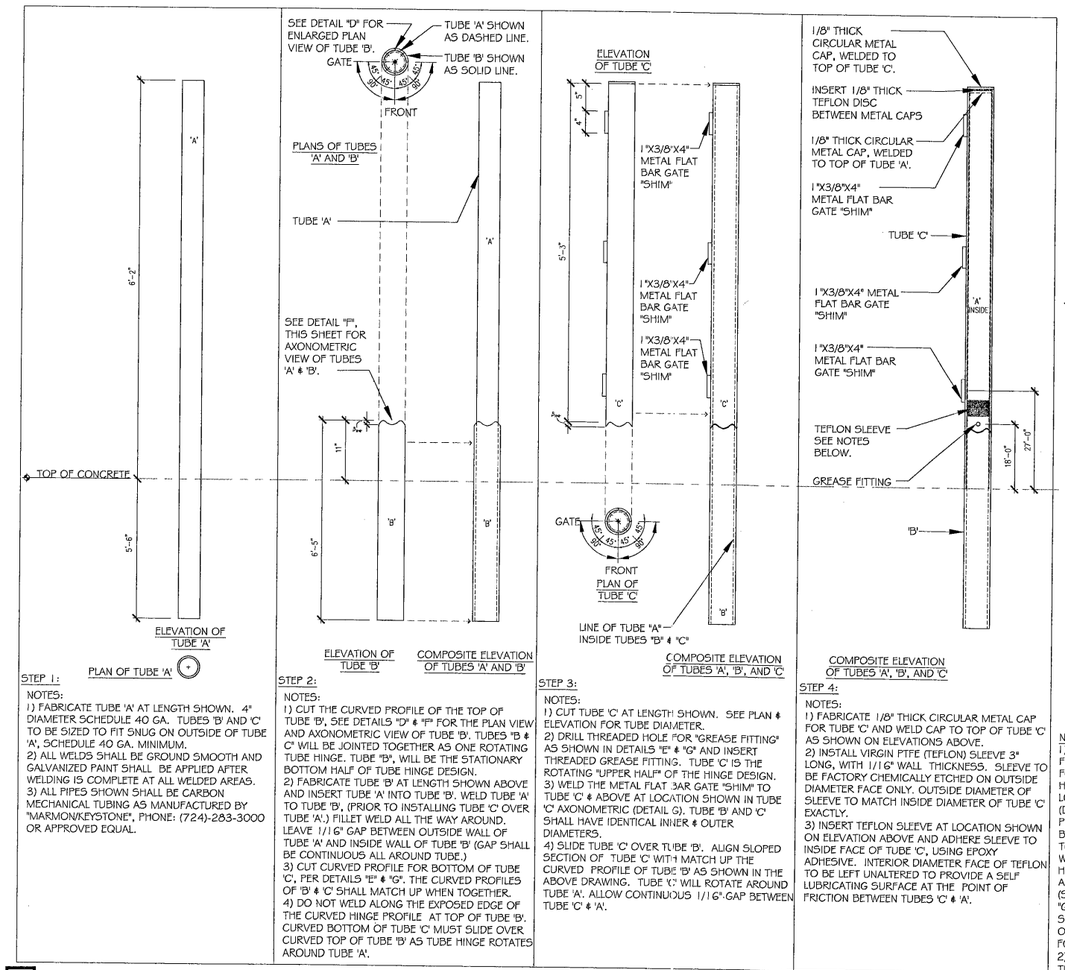
NOT TO SCALE

G TUBE 'C' (AXONOMETRIC)

NOT TO SCALE

B NOT USED

NOT TO SCALE



STEP 1:

NOTES:
1) FABRICATE TUBE 'A' AT LENGTH SHOWN. 4" DIAMETER SCHEDULE 40 GA. TUBES 'B' AND 'C' TO BE SIZED TO FIT SNUG ON OUTSIDE OF TUBE 'A', SCHEDULE 40 GA. MINIMUM.
2) ALL WELDS SHALL BE GROUND SMOOTH AND GALVANIZED PAINT SHALL BE APPLIED AFTER WELDING IS COMPLETE AT ALL WELDED AREAS.
3) ALL PIPES SHOWN SHALL BE CARBON MECHANICAL TUBING AS MANUFACTURED BY "MARMONKEYSTONE", PHONE: (724)-283-3000 OR APPROVED EQUAL.

STEP 2:

NOTES:
1) CUT THE CURVED PROFILE OF THE TOP OF TUBE 'B', SEE DETAILS "D" & "F" FOR THE PLAN VIEW AND AXONOMETRIC VIEW OF TUBE 'B'. TUBES "B & C" WILL BE JOINTED TOGETHER AS ONE ROTATING TUBE HINGE. TUBE "B", WILL BE THE STATIONARY BOTTOM HALF OF TUBE HINGE DESIGN.
2) FABRICATE TUBE 'B' AT LENGTH SHOWN ABOVE AND INSERT TUBE 'A' INTO TUBE 'B'. WELD TUBE 'A' TO TUBE 'B', (PRIOR TO INSTALLING TUBE 'C' OVER TUBE 'A'.) FILLET WELD ALL THE WAY AROUND. LEAVE 1/16" GAP BETWEEN OUTSIDE WALL OF TUBE 'A' AND INSIDE WALL OF TUBE 'B' (GAP SHALL BE CONTINUOUS ALL AROUND TUBE.)
3) CUT CURVED PROFILE FOR BOTTOM OF TUBE 'C', PER DETAILS "E" & "G". THE CURVED PROFILES OF 'B' & 'C' SHALL MATCH UP WHEN TOGETHER.
4) DO NOT WELD ALONG THE EXPOSED EDGE OF THE CURVED HINGE PROFILE AT TOP OF TUBE 'B'. CURVED BOTTOM OF TUBE 'C' MUST SLIDE OVER CURVED TOP OF TUBE 'B' AS TUBE HINGE ROTATES AROUND TUBE 'A'.

STEP 3:

NOTES:
1) CUT TUBE 'C' AT LENGTH SHOWN. SEE PLAN & ELEVATION FOR TUBE DIAMETER.
2) DRILL THREADED HOLE FOR "GREASE FITTING" AS SHOWN IN DETAILS "E" & "G" AND INSERT THREADED GREASE FITTING. TUBE 'C' IS THE ROTATING "UPPER HALF" OF THE HINGE DESIGN.
3) WELD THE METAL FLAT BAR GATE "SHIM" TO TUBE 'C' & ABOVE AT LOCATION SHOWN IN TUBE 'C' AXONOMETRIC (DETAIL G). TUBE 'B' AND 'C' SHALL HAVE IDENTICAL INNER & OUTER DIAMETERS.
4) SLIDE TUBE 'C' OVER TUBE 'B'. ALIGN SLOPED SECTION OF TUBE 'C' WITH MATCH UP THE CURVED PROFILE OF TUBE 'B' AS SHOWN IN THE ABOVE DRAWING. TUBE 'C' WILL ROTATE AROUND TUBE 'A'. ALLOW CONTINUOUS 1/16" GAP BETWEEN TUBE 'C' & 'A'.

STEP 4:

NOTES:
1) FABRICATE 1/8" THICK CIRCULAR METAL CAP FOR TUBE 'C' AND WELD CAP TO TOP OF TUBE 'C' AS SHOWN ON ELEVATIONS ABOVE.
2) INSTALL VIRGIN PTFE (TEFLON) SLEEVE 3" LONG, WITH 1/16" WALL THICKNESS. SLEEVE TO BE FACTORY CHEMICALLY ETCHED ON OUTSIDE DIAMETER FACE ONLY. OUTSIDE DIAMETER OF SLEEVE TO MATCH INSIDE DIAMETER OF TUBE 'C' EXACTLY.
3) INSERT TEFLON SLEEVE AT LOCATION SHOWN ON ELEVATION ABOVE AND ADHERE SLEEVE TO INSIDE FACE OF TUBE 'C', USING EPOXY ADHESIVE. INTERIOR DIAMETER FACE OF TEFLON TO BE LEFT UNALTERED TO PROVIDE A SELF LUBRICATING SURFACE AT THE POINT OF FRICTION BETWEEN TUBES 'C' & 'A'.

NOTES:
1) PRIOR TO WELDING GATE SHIMS TO GATE FRAME, FRAME UP FORM WORK FOR TRASH ENCLOSURE WALL FOOTING. THEN, FRAME UP FORM WORK FOR "GATE HINGE" FOOTING. SHORE UP "GATE HINGES" IN PRECISE LOCATIONS AS SHOWN IN TRASH ENCLOSURE PLAN (DETAIL 'A'). THE GATE HINGES ARE TO BE SHORED UP IN PLACE PRIOR TO FOOTING FOR TRASH ENCLOSURE WALL BEING POURED. THE FOOTING FOR THE "GATE HINGES" IS TO BE POURED AT SAME TIME AS THE TRASH ENCLOSURE WALL FOOTINGS. MAKE SURE TO SHORE UP THE GATE HINGES WITH THE "GATE SIDE", OF THE HINGE AT A 90° ANGLE TO THE SHORT WALLS OF THE TRASH ENCLOSURE (SEE DETAIL 'A') AND (DETAILS "F" AND "G") TO LOCATE THE "GATE SIDE" OF THE HINGE IN PLAN VIEW. ENSURE HINGE SHIMS OF OPPOSING "GATE HINGES" ARE FACING EACH OTHER WHEN SHORED UP AND PRIOR TO POURING FOOTINGS.
2) PRIOR TO WELDING GATE SHIMS TO GATE FRAME, FILL TUBE 'A' WITH CONCRETE AND CONSOLIDATE CONCRETE BY MECHANICAL VIBRATION. DO THIS AFTER FOOTINGS FOR WALL AND HINGES HAVE BEEN POURED.

H "GATE HINGE" COMPLETE ASSEMBLY

NOT TO SCALE

C NOT USED

NOT TO SCALE

REVISIONS

CONSULTANT

southwick LA

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Henderson , NV . 89014
www.southwickla.com

Lorenzi Park Renovations
Phase I

SITE DETAILS

STAMP

REGISTERED LANDSCAPE ARCHITECT
CASSANDRA LEE SOUTHWICK
579
10/12/07
STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5538
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TITLE	06-083
DATE	JUNE 2007
SCALE	AS SHOWN
BID NO	07.1334.01
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