



- NOTES:**
- DIMENSIONS OF GRATING PANELS ARE NOMINAL DIMENSIONS. FABRICATED DIMENSIONS SHALL ACCOUNT FOR ANY GAP TOLERANCES REQUIRED.
  - ALL GRATING PANELS OVER THE CHANNELS SHALL BE REMOVABLE. IN PLACE WITH CLIPS PER THE PROJECT SPECIFICATIONS.
  - ALL METAL FABRICATIONS SHALL BE ALUMINUM OR STAINLESS STEEL AS INDICATED. FIELD WELDING SHALL BE HELD TO THE ABSOLUTE MINIMUM. PROVIDE INSULATING MATERIALS FOR GALVANIC PROTECTION BETWEEN DISSIMILAR METALS.
  - ALL ALUMINUM EMBEDDED IN CONCRETE OR GROUT SHALL HAVE THE CONTACT SURFACES PROTECTED WITH A BITUMINOUS COATING. ALUMINUM PARTS INSTALLED IN CONTACT WITH CONCRETE OR GROUT SHALL HAVE THE SAME BITUMINOUS COATING OR OTHER INSULATING MATERIAL INSTALLED BETWEEN CONTACT SURFACES.
  - GRATING DESIGNED FOR 150 P.S.F. LIVE LOAD.
  - VERIFY OPENING SIZES IN GRATING PANELS FOR SLIDE GATES AND AUTOMATIC SCREENS WITH EQUIPMENT PROVIDED AND APPROVED SHOP SUBMITTAL DOCUMENTS.

- KEYED NOTES:**
- 1/2" S.S. 3-1/2"x3-1/2"x3/8" w/ 4"x6"x1/4" WELDED END PLATE AND (2) 1/2" DIA. S.S. EXPANSION ANCHORS ON EACH END.
  - EMBEDDED GRATING SUPPORT ANGLE PER DETAIL 4 ON SHEET DL-3.
  - MITER AND WELD ALL CORNERS OF EMBEDDED GRATING SUPPORT ANGLES PER DETAIL 4 ON SHEET DL-3.
  - 1-1/2" ALUMINUM I-BAR GRATING. BEARING BARS SHALL SPAN THE DIRECTION SHOWN FOR EACH PANEL. SEE NOTES.
  - CONTINUOUS ALUMINUM TOE PLATE PER DETAIL 1 ON SHEET DL-3 EXCEPT WHERE OTHERWISE NOTED. SET TOE PLATE AT FINISH FLOOR LEVEL AND PROVIDE CONTINUOUS SEALANT TO FLOOR TO PREVENT WASH DOWN WATER FROM SPILLING TO LEVELS BELOW.
  - SAFETY CHAIN BETWEEN HANDRAIL POSTS PER DETAIL 1 ON SHEET DL-3 EXCEPT CHAIN SHALL BE PVC COATED. PROVIDE MINIMUM 18" LONG REINFORCING INSERTS AT POSTS.

**1 GRATING AND HANDRAIL PLAN**  
 HW-19 SCALE: 3/8" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION
1	09/28/09	ISSUED FOR GC RFP INFORMATION
2	02/26/2010	ISSUED FOR ELECTRICAL SUBCONTRACTOR SELECTION
3	02/28/2011	ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PRRBD (HEADWORKS BUILDING)
4	04/08/2011	ISSUED FOR PREPARATION OF CMO
5	03/17/2011	ISSUED FOR PREPARATION OF CMO
6	06/20/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PRRBD (HEADWORKS BUILDING)
7	08/05/2011	ISSUED FOR CONSTRUCTION PER PRRBD BUILDING PERMIT #88510 (HEADWORKS BLDG)

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**GRATING AND HANDRAIL PLAN**  
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY  
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN	MAL/SKC
DESIGNED	MAM
CHECKED	RJS
DATE	2010
PROJECT NO.	20166.352
GMS FILE NO.	2599

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SHEET  
**HW-19**  
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