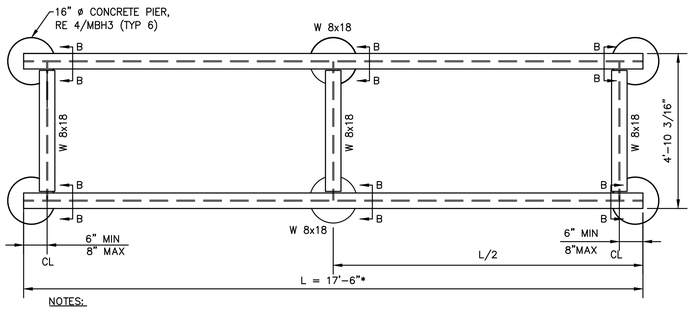
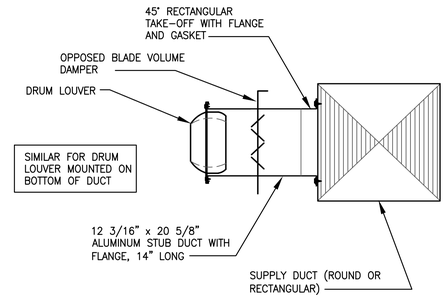


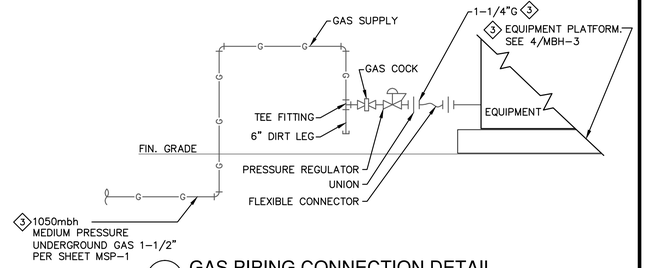
NOTES:

1. * INDICATES DIMENSIONS TO BE VERIFIED WITH EQUIPMENT FURNISHED. DO NOT PROCEED, AND NOTIFY ENGINEER OF RECORD, IF LENGTH EXCEEDS 25 FEET.
2. PLATFORM TO BE 6" WIDER THAN MAU. CONNECT MAU BASE TO THE PLATFORM TOP FLANGE WITH 3"x4" (LLV) x ¼" x 0'-4" LONG ANGLE BRACKETS AT CORNERS AND 1'-0" FROM CL OF COLUMNS (12 TOTAL). SECURE VERTICAL LEG TO MAU BASE RAIL WITH (1) 3/4" A325N THROUGH BOLT CENTERED 2" FROM EDGES OF BRACKET. SECURE HORIZONTAL LEG TO TOP FLANGE OF BEAM WITH 1/4" FILLET WELD, 3 SIDES.
3. ALL WELDED ASSEMBLIES SHALL BE SHOP FABRICATED. ALL PIECES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.

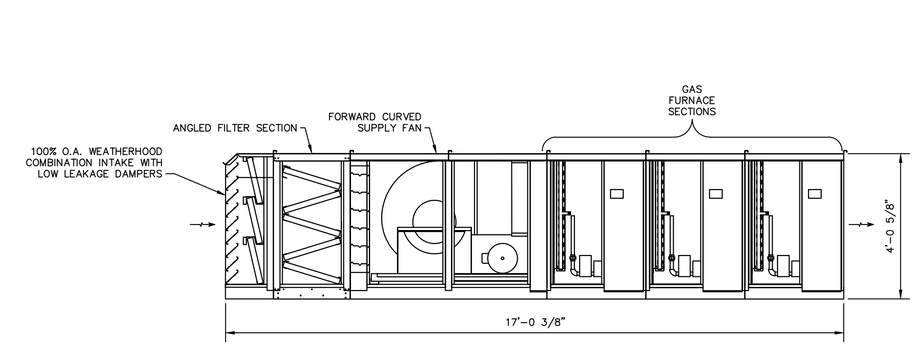
3 MAU-1 PLATFORM
NOT TO SCALE



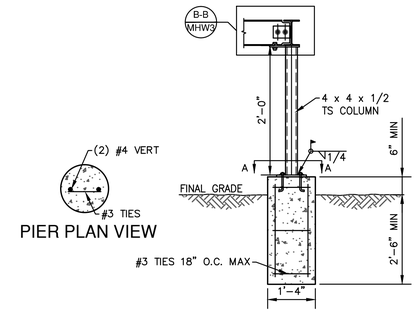
2 DRUM LOUVER INSTALLATION
NOT TO SCALE



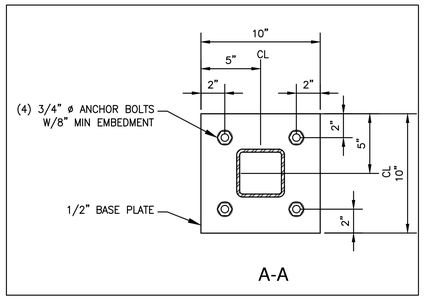
1 GAS PIPING CONNECTION DETAIL
NOT TO SCALE



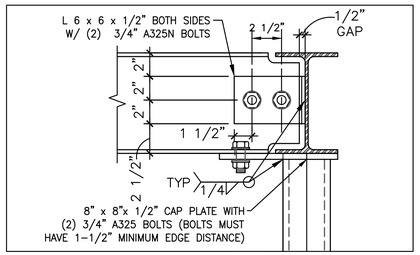
5 MAU-1 SIDE VIEW
1/2"=1'-0"



PIER PLAN VIEW



A-A



B-B

1. LOCATE PIER ON NATURAL UNDISTURBED SOIL OR APPROVED STRUCTURAL FILL. PIER DESIGN BASED ON 1500 PSF MINIMUM SOIL BEARING PRESSURE WITH NO MINIMUM DEAD LOAD REQUIREMENT. SUBJECT TO CHANGE AFTER INSPECTION BY COLORADO REGISTERED GEOTECHNICAL ENGINEER.
2. ALL CONCRETE TO BE TYPE II 3000 PSI CONCRETE.
3. ALL REBAR TO BE GRADE 60 REINFORCING REBAR.
4. LOCATE COLUMNS WITHIN 1" OF CENTERLINE OF PIER.
5. STRUCTUAL STEEL SHALL BE DETAILED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUE OF STEEL CONSTUCTION (AISC) SPECIFICATIONS AND CODE OF PRACTICE, LATEST EDITION.
6. WIDE FLANGE STRUCTURAL STEEL SHALL CONFORM TO ASTM A992. TUBE STEEL COLUMNS SHALL CONFORM TO ASTM A500, GRADE-B.
7. COLUMN BASE PLATES SHALL BE SET ON 1 ½" NON-SHRINK GROUT.
8. SHOP CONNECTIONS SHALL BE WELDED WITH E70xx ELECTRODES AND GROUND SMOOTH WHERE EXPOSED. FIELD CONNECTIONS SHALL BE MADE WITH BOLTS CONFORMING TO A325N UNLESS OTHERWISE NOTED. FIELD WELDS NOT ALLOWED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS "STRUCTURAL WELDING CODE", LATEST EDITION AND PERFORMED BY A CERTIFIED, LICENSED WELDER.

4 PIER AND BEAM CONNECTION DETAILS
NOT TO SCALE

REVISIONS		
NO. 1	DATE	DESCRIPTION
1	11/29/2012	ISSUED FOR VALUE ENGINEERING REVIEW AND PRICING
2	01/07/2013	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (BIOSOLIDS HANDLING COMPLEX)
3	03/14/2013	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT #65132 (BIOSOLIDS HANDLING COMPLEX)

XREF FILENAME: G:\
BASE DWG: G:\
PLOT STYLE FILE: 1050C.CTB
FILENAME: G:\LFMSDD\20166\310\MBH3\MBH3.DWG

MECHANICAL DETAILS
HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN JE
DESIGNED MK
CHECKED CF
DATE SEPTEMBER 2012
PROJECT NO. 20166.382
GMS FILE NO. 2599

GMS, INC.
CONSULTING ENGINEERS
611 N. WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903

SHEET
MBH-3
OF
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