LOUVER SCHEDULE					
LOUVEN SCHEDULE					
	MAX.				
AIF	RFLOW A.P.D. SIZE MIN. FREE				
	CFM) (in WC) (W"xH") AREA (SQ. FT.)	TYPE	MATERIAL	SERVICE	NOTES
· · · · · · · · · · · · · · · · · · ·	5,550 0.05 36x48 6.00	ADJUSTABLE DRAINABLE BLADE			(1)(2)(3)
	5,550 0.05 36x48 6.00	ADJUSTABLE DRAINABLE BLADE ADJUSTABLE DRAINABLE BLADE	GALV. STEEL	EXHAUST FAN EF-1 EXHAUST FAN EF-1	(1)(2)(3) (1)(2)(3)
NOTES:	,550 0.05 50x+6 0.00	AD003TABLE BINAINABLE BEADE	OALV. SILLE	LAHAOSI TAN EL-I	(1)(2)(3)
(1) PROVIDE FACTORY PRIMER. PAINT LOUVER TO MATCH AD	JACENT SURFACE.				
(2) PROVIDE 120V MOTORIZED DAMPER (TWO POSITION) WITH	END SWITCH INTERLOCKED WITH EF-1 AND MAU-1. RE	FER TO SEQUENCE OF OPERATIONS.			
(3) PROVIDE 1/4" MESH BIRD SCREEN.					
					1
EVENTION EVIT EVIT COLLECTION					
EXHAUST FAN SCHEDULE					
MARK MANUFACTURER MODEL CFM	E.S.P. (in WC) MOTOR HP RPM VOLT/PH	HASE DRIVE AREA SERVED	WEIGHT (LBS.)	TYPE NOTES]
EF-1 GREENHECK SBE-3H36-20 7,100				WALL (1) THRU (11)]
NOTES:					_
(1) PROVIDE NEMA PREMIUM EFFICIENT MOTOR WITH THERMA					
(2) PROVIDE BEARINGS WITH GREASE FITTINGS AND EXTENDE					
(3) PROVIDE WD-320-PB 38X38 DAMPER WITH END SWITCH.					
(4) PROVIDE 115 V DAMPER ACTUATOR.(5) PROVIDE LONG WALL HOUSING, FLUSH EXTERIOR, (1A-EX	LI) MITH OCHA ADDDOVED CHADD IN CALVANIZED STEE	·1			
(6) PROVIDE GALVANIZED 90 DEG WEATHERHOOD WITH 1/4"	MESH RIRDSCREEN	.L.			
(7) PROVIDE PERMATECTOR COATING FOR FAN AND ACCESSO					
(8) PROVIDE CLOSURE ANGLES AT WALL.	3.1125.				
(9) PROVIDE THERMOSTAT. SET AT 80°F (ADJ.)					
(10) PROVIDE MOTOR STARTER (NEMA 4X)					
(11) PROVIDE TWO INPUT CONTACTS OR RELAYS FOR AUTO	MODE OPERATION. REFER TO SEQUENCE OF OPERATION	١.			
	_			7	
AIR DISTRIBUTION SCHEDUL	E				
MARK MANUFACTURER MODEL	TYPE FACE SIZE NECK SIZE	FINISH FRAME	NOTES	-1	
				-1	
NOTES:	SUPPLY DRUM LOUVER 23 x 14 20 x 12	ALUMINUM SURFACE MOUNT	(1)(2)	_	
(1) DRUM LOUVER AND FRAME SHALL BE CONSTRUCTED OF	AT LIMINITIM				
(2) REFER TO MOUNTING DETAIL ON SHEET MBH3.	ALOMINOM.				
(2) REPER TO MOONTING DETAIL ON SHEET MBHS.					
r		1			
MAKEUP AIR UNIT SCHEDULE	=				
MARK	MAU-1				
CENEDAL DATA	-				
GENERAL DATA ELEVATION (FT)	5,420				
AREA SERVED	BIOSOLIDS HANDLING COMPLEX				
THE TOTAL SERVED	B.OSOLIDO TIMADEIRO OGMI LEA				
TYPE NAT. GAS FURNACES W/ 10-14"W.G. INPUT	HORIZ. DISCHARGE, 100% OUTSIDE AIR				
MANUFACTURER	GREENHECK				
MODEL	IGX-118-H32				
CURRLY FAN RATA					
SUPPLY FAN DATA	7.400				
AIRFLOW ACFM EXT. STATIC PRESS. (in WC)	7,100				
DRIVE TYPE	1.0 BELT				
FAN MOTOR (HP)	7.5 HP, PREMIUM EFFICIENCY				
The motor (iii)	in a recent of the control				
HEATING SECTION DATA	STAINLESS STEEL HEAT EXCHANGER				
ENT. AIR TEMP (deg F DB)	-20				
LEAV. AIR TEMP (deg F DB)	87.1				
HEAT OUTPUT (MBH)	840 〈3〉				
CAS HEATING INPUT (MRH)	1050 /3				

〈3**〉**

ELECTRICAL DATA

(1) MAKEUP AIR UNIT SHALL BE MOUNTED ON STEEL STAND AND CONCRETE PIERS.

REFER TO SHEET MBH3 FOR DETAILS. (2) PROVIDE WITH COMMERCIAL HEAT-ONLY THERMOSTAT, WITH DIGITAL DISPLAY.

SET ROOM TEMPERATURE TO 50°F (ADJ.). (3) PROVIDE LEFT-HAND ACCESS TO UNIT.

GAS HEATING STAGES

VOLTS / PHASE MCA / MOCP (AMPS)

APPROX. UNIT WEIGHT (LBS)

(4) MAKEUP AIR UNIT SIZED FOR MIN. 6 AIR CHANGES PER HOUR IN PROCESS AREA.

(5) EXTERIOR CABINET SHALL BE INSULATED DOUBLE WALL. COLOR SHALL BE SELECTED BY OWNER FROM MANUFACTURER STANDARD COLOR PALETTE.

(6) PROVIDE FREEZE PROTECTION AND HEAT INLET AIR SENSOR.

(7) PROVIDE ROOM TEMPERATURE OVERRIDE OPTION TO CONTROL DISCHARGE AIR TEMPERATURE.

(8) PROVIDE LOUVERED AIR INTAKE WITH ALUMINUM MESH FILTERS. (9) PROVIDE FILTER SECTION WITH 2" THROWAWAY FILTERS.

(10) PROVIDE PANELED BOTTOM.

(11) PROVIDE SAIL SWITCH AND MAKEUP AIR UNIT STATUS SHALL BE MONITORED IN SCADA SYSTEM.

(12) PROVIDE COMMON REMOTE CONTROL PANEL (NEMA 4X) FOR MAU-1 AND EF-1 WITH HOA SWICHES FOR EACH.

(13) PROVIDE STAINLESS STEEL HEAT EXCHANGER (10 YR WARRANTY)

(14) PROVIDE FAN MOTOR WITH TWO AUXILIARY INPUT CONTACTS OR RELAYS (ONE FOR MANUAL FAN ONLY, ONE FOR REMOTE RUN CALL FAN ONLY). REFER TO SEQUENCE OF OPERATION.

(15) PROVIDE SUPPLY AIR SMOKE DETECTOR (120 V). INSTALLATION IS BY MECHANICAL, WIRING IS BY ELECTRICAL.

XREF FILENAME: G:\
BASE DWG: G:\
PLOT STYLE FILE: 1050C.CTB
FILENAME: G:\LFMSDD\20166\310\MBH4\MBH4.DWG

REVISIONS		
TE	DESCRIPTION	
/2012	ISSUED FOR VALUE ENGINEERING REVIEW AND PRICING	
/2013	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (BIOSOLIDS HANDLING COMPLEX)	
/2013	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT #165132 (BIOSOLIDS HANDLING COMPLEX	

MODULATING, 12:1, ELECTRONIC

15.8 / 25.0

3,110

(1) THRU (15)

MECHANICAL DETAILS

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

RAWN		JE		
ESIGNED		MK		
HECKED_		CF		
ATE	SEPT	EMBER	2012	
ROJECT	NO	20166	.382	
MS FILE	NO.	259	99	

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

