



WEAVER CONSTRUCTION MANAGEMENT, INC.
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

December 15, 2011
WGC Submittal No: 15855-001

PROJECT: **Harold Thompson Regional WRF**
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Kuck Mechanical Contractors, LLC.**
 395 West 67th Street
 Loveland, CO 80593
 970-461-3553 Melanie Peterson

SUBJECT: Grilles, Registers and Diffusers TAG: GRD's
 • AHCD2- High Capacity Diffusers
 • VCS3AL- Opposed Blade Dampers
 • 620DAL- 600 Supply Grilles and Registers

SPEC SECTION: 15855 - Diffusers, Registers and Grilles

PREVIOUS SUBMISSION DATES:

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

<p>Contractor's Stamp:</p> <p>Date: 12/15/11 Reviewed by: H.C. Myers (X) Reviewed Without Comments () Reviewed With Comments</p> <p>ENGINEER'S COMMENTS: _____</p>	<p>Engineer's Stamp:</p>
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395 West 67th Street
P.O. Box 388
Loveland, CO 80539-0388
Phone: (970) 461-3553
Fax: (970) 461-3443

DATE: 08/10/11
SENT TO: Weaver General Contractors
Attn: John Jacob
JOB: Harold D. Thompson WRF (#01135)
CO

SUBMITTAL NO.: 00006
SUBMITTAL DUE:
PACKAGE: n/a

VENDOR NAME: CFM
SUBJECT: GRDs

SPECIFICATION #: 15855

REVIEW DETAILS:

Review #: 1	Received: 08/10/11	Priority: Normal
Desc: GRDs	Sent: 08/10/11	Status: Open
Reviewer: John Jacob	Returned:	Sepias: 0
Weaver General Contractors	Forwarded:	Prints: 0

Sent for the following action(s):

- For Approval**

 For Distribution

 For Your Use/Files

 As Req'd per

Action Needed:

Sincerely,
Melanie Peterson

Kuck Mechanical Contractors
PM Assistant
395 W. 67th Street
Loveland, CO 80538



CFM COMPANY

AIR CONDITIONING / HEATING / VENTILATING EQUIPMENT

413D North Highway 287 - Ft. Collins, CO 80524

Phone: (970) 493-7293 / Fax: (970) 493-7297

Harold Thompson WTP

TAG: GRDs

Grilles, Registers & Diffusers

Submittal Date: 7/28/2011

Submitted by: Eric Larsen



Price All-In-One
Detailed Submittal Schedule
Grilles/Registers/Diffusers
Sorted By Item Tag

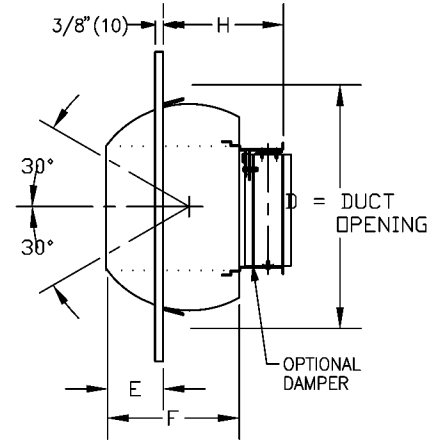
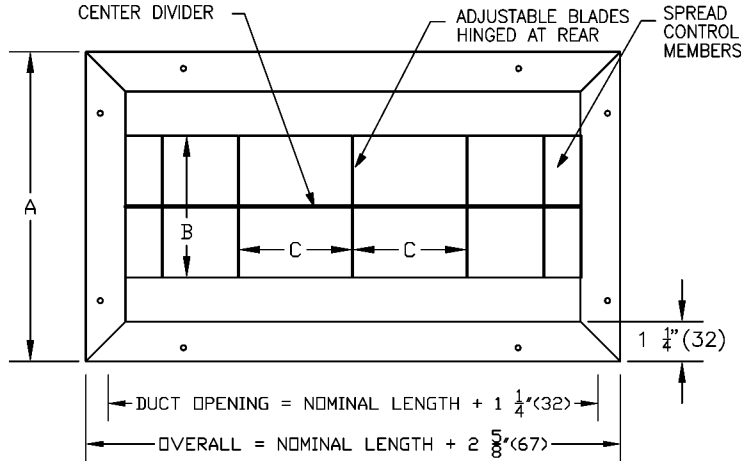
Job Name: Thompson Regional Water Reclaim
Job Number: QP00001853
Entered By: Vicki Kelly
Reps Job No:
Location: Fountain, CO

Date: 07/28/2011
Contractor: Kuck Mechancial
Engineer: GMS, Inc.
SDA No.:

Item Tag	Model	Line No	Location	Qty	Type	Size Length Width	Panel Size Neck LxW	Accessories 1 2 3	Finish	Submittal
	AHCD2	1		10		20 12		VCS3AL	B12	239251,228696
	620DAL	2		2		24.000 10.000		A SW	B15	219704

~~The order and sale are made pursuant to the terms of the Sales Agreement and the Sales Policies set out in the latest
Customer Service Handbook.
See Section AA in price lists.~~

AHCD2 HIGH CAPACITY DIFFUSER



AVAILABLE SIZES

NOM. SIZE	NOMINAL LENGTH
6	9" TO 60" IN 1" INCREMENTS
10	
12	18" TO 72" IN 1" INCREMENTS
15	

Neck Size - 20"x12"

NOM. SIZE	D (DUCT)	A	B	C	E	F	H (VCS3)	H (VCS5)	OPTIONAL DAMPER NOMINAL WIDTH (VCS3)	OPTIONAL DAMPER NOMINAL WIDTH (VCS5)
6	7 1/16 (179)	8 5/16 (211)	3 3/8 (86)	3 (76)	1 11/16 (43)	3 7/8 (98)	4 7/16 (113)	5 11/16 (144)	4 1/8" (105)	4" (102)
10	10 3/4 (273)	12 (305)	5 7/8 (149)	6 (152)	2 7/16 (62)	6 (152)	5 13/16 (148)	7 1/16 (179)	6 23/32" (171)	7" (178)
12	12 5/8 (321)	13 7/8 (352)	6 7/8 (175)	6 (152)	3 (76)	6 1/16 (154)	5 1/4 (133)	6 1/2 (165)	7 13/16" (199)	8" (203)
15	15 13/16 (402)	17 (432)	9 13/16 (249)	6 (152)	3 13/16 (97)	7 9/16 (192)	6 (152)	7 1/4 (184)	10 5/16" (262)	10" (254)

To Be Verified

FINISH:

- B15 - ALUMINUM
- B12 - WHITE (OPTIONAL FINISHES AVAILABLE)
- SPIRAL DUCT FRAME SDFG = MILL GALVANIZED
- SDFA = PAINTED ALUMINUM

MATERIAL:

- ALUMINUM FRAME WITH ALUMINUM DRUM
- SPIRAL DUCT FRAME
 - SDFG - GALVANIZED STEEL
 - SDFA - ALUMINUM

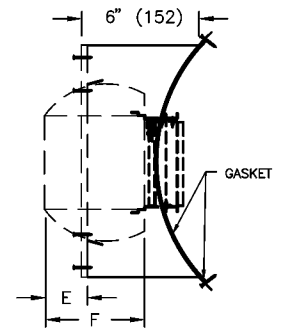
- SDF - OPTIONAL SPIRAL DUCT FRAME

OPTIONS:

- VCS3 ATTACHED STEEL OPPOSED BLADE DAMPER (STEEL).
- VCS3AL ATTACHED ALUMINUM OPPOSED BLADE DAMPER, MILL FINISH
- VCS5 ATTACHED HEAVY DUTY OPPOSED BLADE DAMPER (STEEL).
- POB POLE OPERATOR BRACKET (48" OR LESS)

NOTES:

- DRUM CAN BE ROTATED TO 30° ON EITHER SIDE OF THE CENTRELINE.
- DETENT FOR POSITIONING ALLOWS FOR POSITIVE SETTING OF THE DRUM.
- ADJUSTABLE DEFLECTOR VANES.
- TYPE A FASTENING.
- FACTORY TOLERANCE: ± 1/32" (1)



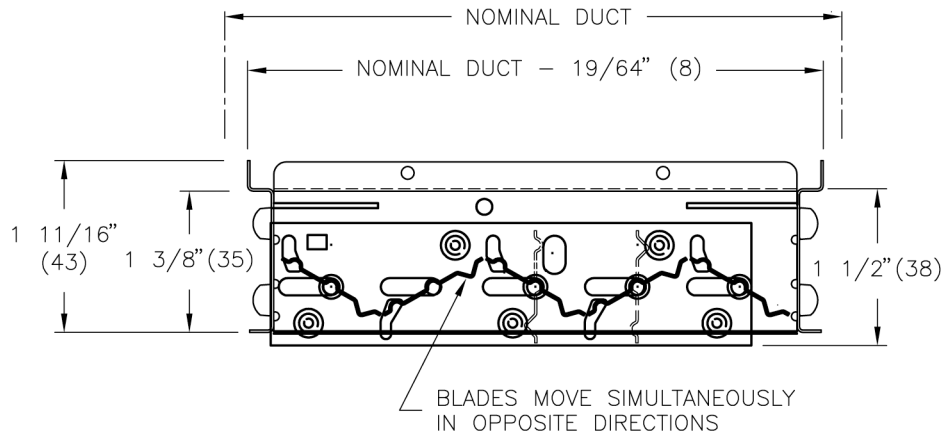
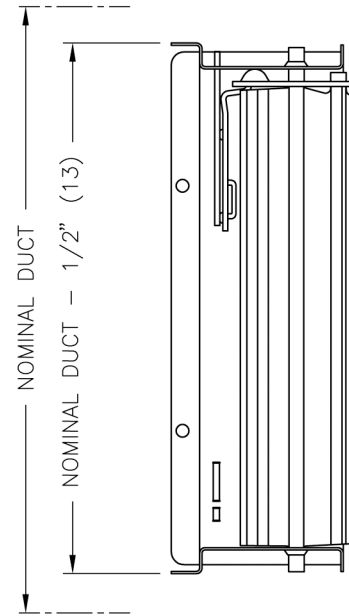
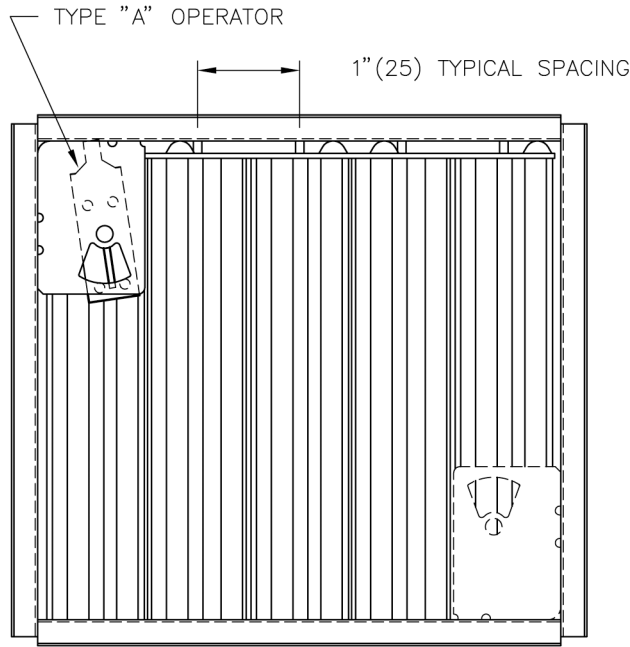
AVAILABLE DUCT DIAMETERS FOR OPTIONAL SPIRAL DUCT FRAME

NOM. SIZE	NOMINAL DUCT DIAMETER																		
	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48	
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
10			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
12				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
15					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

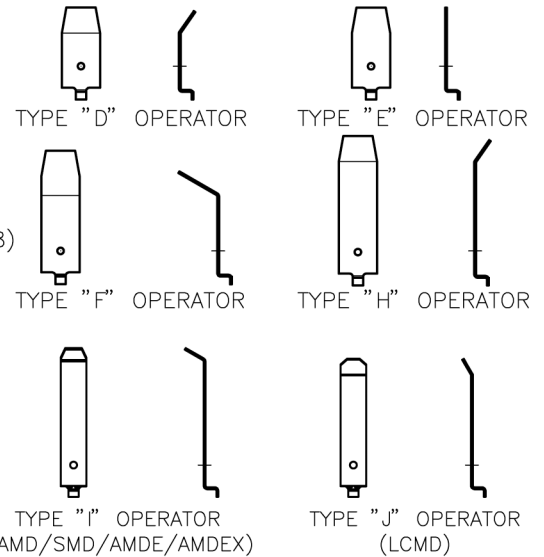
ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: Thompson Regional Water Reclaim	PRICE®	
ENGINEER: GMS, Inc.		
CUSTOMER: Kuck Mechanical	AHCD2	HIGH CAPACITY DIFFUSER
SUBMITTAL DATE: 07/28/2011	239251	
SPEC. SYMBOL:	2011/03/10	

VCS3AL OPPOSED BLADE DAMPER



AVAILABLE OPERATORS:



NOTES:

- VCS3AL IS USED AS A GRILLE AND DIFFUSER ACCESSORY FOR MOUNTING BEHIND THE OUTLET.
- TYPE A SLOT OPERATOR IS THE STANDARD OPERATOR. VCS3AL IS ALSO AVAILABLE WITH A LEVER OPERATOR OR AN EXTERNAL HEX OPERATOR, DEPENDING ON DAMPER APPLICATION.
- MINIMUM SIZE = 4" (102) x 2 1/2" (64)
- MAXIMUM SIZE = 24" (610) x 18" (457)
- UNITS LARGER THAN MAXIMUM SIZE WILL BE SUPPLIED IN MULTIPLE DAMPER ARRANGEMENTS
- FACTORY TOLERANCE ± 1/32" (1)
- TYPE "A" OPERATOR MIN SIZE = 4" (102) x 3" (76)


MATERIAL:

- ALUMINUM FRAME AND BLADES
- COATED STEEL MOVEMENT BAR, OPERATOR AND MISCELLANEOUS HARDWARE

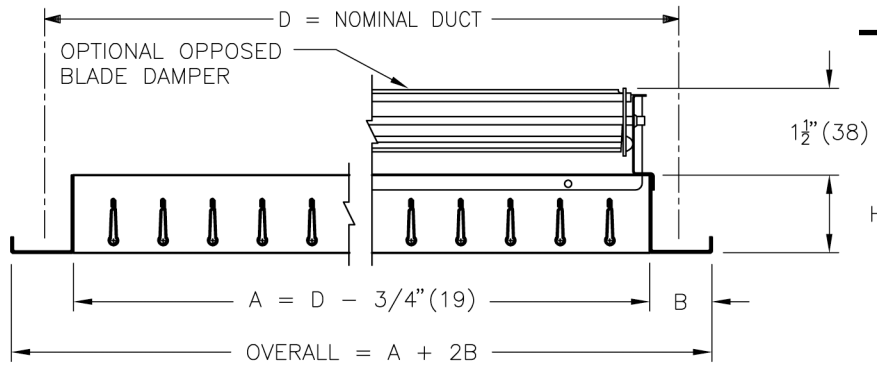
FINISH:

- MILL FINISH

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT: Thompson Regional Water Reclaim		PRICE [®]	
ENGINEER: GMS, Inc.			VCS3AL
CUSTOMER: Kuck Mechanical			228696
SUBMITTAL DATE: 07/28/2011	SPEC. SYMBOL:	SEP 2008	REV E

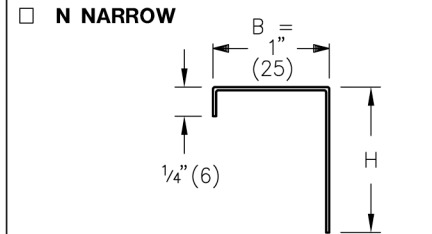
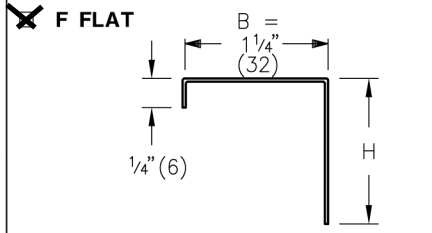
600 SUPPLY GRILLES & REGISTERS



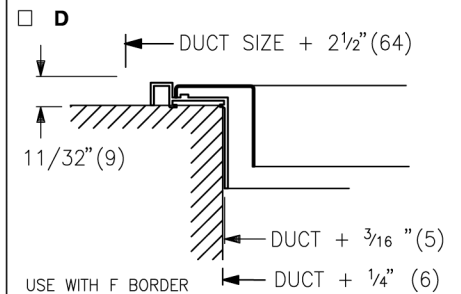
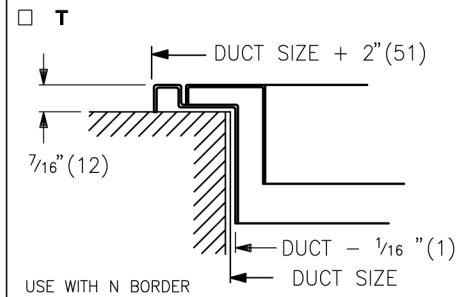
MODEL 610

MODEL 610D

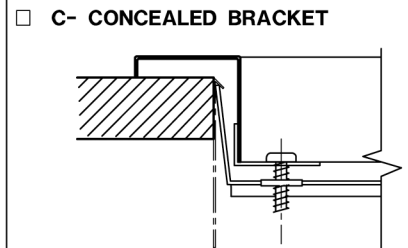
BORDERS:



MOUNTING FRAMES:



FASTENING:



MATERIAL:

- ALUMINUM CONSTRUCTION

FINISH: Aluminum Powder Coat

- B12 WHITE
(OPTIONAL FINISHES AVAILABLE)

OPTION:

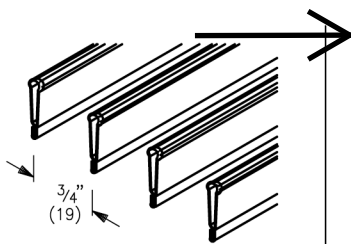
- c/w COATED STEEL OPPOSED BLADE DAMPER (SPECIFY 610D OR 620D)
- c/w ALUMINUM OPPOSED BLADE DAMPER MILL FINISH (SPECIFY 610DAL OR 620DAL)
- IS - INSECT SCREEN, 18/16 MESH (NOT RECOMMENDED WITH OPTIONAL OPPOSED BLADE DAMPER)

NOTE:

- INDIVIDUALLY ADJUSTABLE BLADES
- TYPE A FASTENING - COUNTERSUNK SCREW HOLES FOR NO.8 S.M.S. PER FACTORY STANDARD (SCREWS SUPPLIED)
- AVAILABLE SIZES:
MIN. - 6" X 4" (152 X 102)
MAX. - 48" X 48" (1219 X 1219) (ONE PIECE CONSTRUCTION)
- OVERSIZE UNITS AVAILABLE C/W DUCT MOUNTING CHANNEL
- BLADE ORIENTATION - FRONT SET
- L = PARALLEL TO LONG DIMENSION
- S = PARALLEL TO SHORT DIMENSION

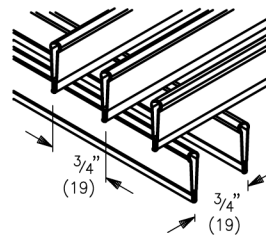
CORE STYLES:

- 610/L
- 610/S



H = 1 1/4" (32)

- 620/L
- 620/S



H = 2" (51)

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PROJECT:	Thompson Regional Water Reclaim
ENGINEER:	GMS, Inc.
CUSTOMER:	
SUBMITTAL DATE:	07/28/2011
SPEC. SYMBOL:	

PRICE [®]	
R	610/620
219704	ALUMINUM SUPPLY GRILLES & REGISTERS
2010/07/16	REV J