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P.O. Box 1837
Tacoma, WA 98401-1837
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October 15, 2015

TO: PLANHOLDERS

SUBJECT: TOTE ADMINISTRATION BUILDING HVAC UPGRADE
PROJECT NO. 098034
CONTRACT NO. 070083

ADDENDUM NUMBER ONE

This addendum is issued to amend the following:

SPECIFICATIONS

A. SECTION 23 33 00 – AIR DUCT ACCESSORIES - SUBSTITUTION REQUEST

1. **Section 2.04** - Air Balance (Fire Dampers) is **NOT** approved as noted in Substitution request (Attachment A)

B. SECTION 23 37 13 – DIFFUSERS, REGISTERS AND GRILLS- SUBSTITUTION REQUEST

1. **Section 2.01-2.02** - **ADD** Tuttle & Bailey (Air System Components) as an approved Substitution (Attachment B)

DRAWINGS

A. DRAWING SHEET E9 - ONE-LINE DIAGRAM

1. **REPLACE** with revised Drawing Sheet E9 (Attachment C)

Receipt for this addendum shall be indicated in the space provided in Section 00 41 00, Bid Form.

END OF SECTION

ATTACHMENT A – Air Duct Accessories - Substitution Request - Not Approved

ATTACHMENT B – Diffusers, Registers and Grills- Substitution Request - Approved

ATTACHMENT C - Revised Drawing Sheet E9 - One-Line Diagram

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS
SECTION 00 43 25 - SUBSTITUTION REQUEST FORM - DURING BIDDING

Project Title: TOTE ADMIN HVAC UPGRADES Project No. E3905
Submitted By: FM HVAC SALES Contract No. _____
Prime/Sub/Supplier: _____ Date: 10-6-15

Specification Title: AIR DUCT ACCESSORIES Section No. 23 33 00
Description: FIRE DAMPERS Paragraph: 2.04
Page No. 3

Proposed Substitution: AIR BALANCE
Trade Name: MESTEK Model No.: 119
Manufacturer: _____
Address: 450 RIVERSIDE DR WYALUSING PA 18853 Phone No.: 570 746 1888

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted By: JERRY GADDIS
Signed By: [Signature] Firm: FM HVAC SALES
Address: 4610 200th ST SW SUITE E
LYNNWOOD WA 98036
Telephone: 206-374-0222 Email: JERRY@FMHVACSALES

Supporting Data Attached:

☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ Other _____

ENGINEER'S REVIEW AND ACTION

- ☐ Substitution approved
☐ Substitution approved as noted
☒ Substitution rejected - Use specified materials. - Provide dynamic rated fire damper.
☐ Substitution Request received too late - Use specified materials.

Signed by: [Signature] Date: 10.09.15

Project Form - 00 43 25

MODEL 1194 $\frac{3}{8}$ " Deep • 1½ Hour • Vertical or Horizontal Mount • **Static Rated** • Fire Damper**STANDARD MATERIALS AND CONSTRUCTION****FRAME:** 22-GA galvanized steel, one-piece rollformed**BLADE:** 22-GA galvanized steel, curtain type**FUSIBLE LINK:** UL-Listed 165°F; Replaceable**CLOSURE SPRINGS:** Horizontal Models - Heat-treated Type 301 stainless steel constant force coiled negator type**FINISH:** Mill**UNDERWRITERS LABORATORIES, INC.®****CLASSIFIED STATIC FIRE DAMPERS****FIRE RESISTANCE RATING 1½ HR.****abi** air balance inc.

FILE #R4708



This fire damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standard 555
- National Fire Protection Association Standard 80 and 90A
- ICC's International Building Code
- California State Fire Marshal Listing #3225-1328:100
- Underwriters Laboratories Inc. Approved for dual direction airflow and static closure conditions.
- Underwriters Laboratories Inc. Classified for use in fire resistive ratings of less than 3 hours.

OPTIONS

212°F Replaceable Fusible Link

Factory-Supplied Sleeves (20-GA through 10-GA)

Type 304 Stainless Steel Construction

PK1202 Position Indicator Switch

B-Pan, Round, Oval, or Square Transitions

Multiple Panel Unit Assembly

Tab-Lock Retaining Angles

Perimeter Flange

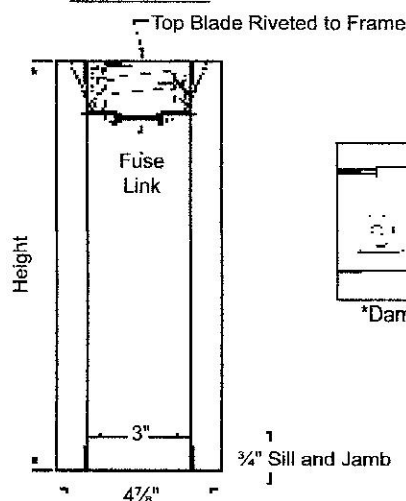
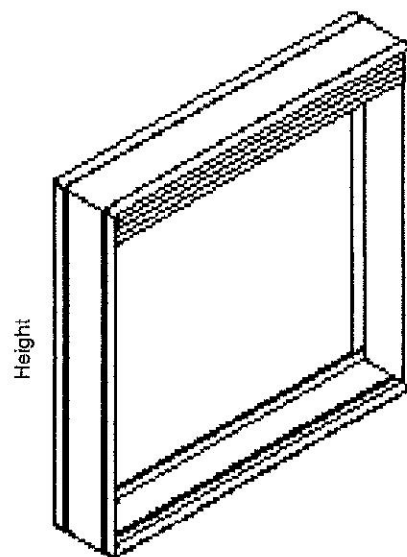
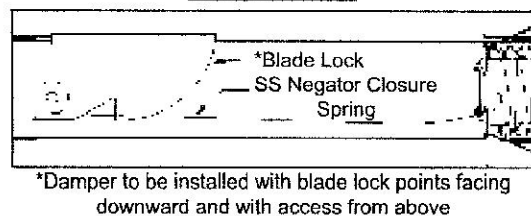
Pull Ring

NOTES

1. "A" width and "B" height are opening dimensions. Dampers are provided $\frac{1}{4}$ " undercut.
2. Unassembled multiple units do not include mullions.
3. See SI-SSFD for information regarding Stainless Steel Fire Dampers.

DAMPER SIZES

Orientation	Hor & Ver	Horizontal (floor)		Vertical (wall)	
Panels	Min Panel	Max Single Panel	Max Assy Panel	Max Single Panel	Max Assy Panel
119A	4"W x 4"H	48"W x 48"H	102"W x 48"W (36"W x 48"H each section)	60"W x 60"H	120"W x 120"W (40"W x 60"H each section)
119B	4"W x 3"H (duct) 4"W x 5"H (frame)	48"W x 43"H (duct) (48"W x 48"H frame)	102"W x 43"H (duct) (102"W x 48"H frame) (36"W x 43"H each section duct)	60"W x 55"H (duct) (60"W x 60"H frame)	120"W x 115"H (duct) (120"W x 120"H frame) (40"W x 60"H each section duct)
119C	4"W x 4"H (duct) (6"W x 7"H frame)	46"W x 42"H (duct) (48"W x 48"H frame)	100"W x 42"H (duct) (102"W x 48"H frame)	58"W x 54"H (duct) (60"W x 60"H frame)	118"W x 114"H (duct) (120"W x 120"H frame)

Vertical Mount**Horizontal Mount**

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS
SECTION 00 43 25 - SUBSTITUTION REQUEST FORM - DURING BIDDING

Project Title TOTE ADMIN HVAC UPGRADES
Submitted By: FIM HVAC SALES
Prime/Sub/Supplier: _____

Project No. E3905
Contract No. _____
Date: 10-6-15

Specification Title: DIFFUSERS, REGISTERS & GRILLES
Description: _____

Section No. 23 37 13
Paragraph: 2.01 - 2.02
Page No. 1

Proposed Substitution: TITLE & BAILEY

Trade Name: AIR SYSTEM COMPONENTS

Model No.: SQD, CRES00

Manufacturer: _____

Address: 1401 W. PLANO ROAD RICHARDSON TX 75081 Phone No.: 972 680 9128

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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Signed By: [Signature]

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Telephone: 206-374-0222

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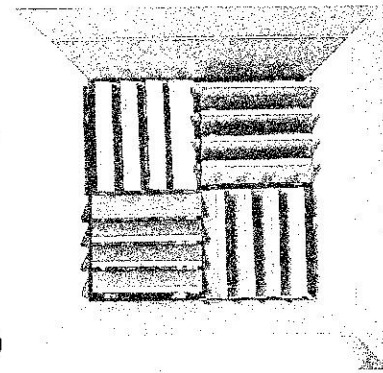
Date: 10.09.15

Project Form - 00 43 25

Page 1

CEILING DIFFUSERS

Modular - Adjustable
SQD & AQD



SQD

STEEL

ALUMINUM

The SQD (steel), AQD (aluminum) diffusers are designed and built specifically for modularity and ease in air pattern adjustability. With the SQD & AQD, a single diffuser provides a multitude of air patterns, which can be easily set in the field to meet each specific space requirement.

The key to the SQD & AQD diffuser lies in its four individual louver modules, which are completely removable and can be easily rotated in various directions to provide a multitude of pattern arrangements. The diffusers can be easily set in the field because the modules are adjustable without the use of tools.

The louver modules are specially designed for low pressure loss and minimal see-through at all module settings. The SQD & AQD diffusers can be set in a 4-way, 3-way, 2-way, or 1-way air pattern in various arrangements. They provide exceptional horizontal ceiling patterns effective for cooling applications.

FEATURES

- Several different air patterns can be achieved with a single diffuser
- Four individual louver modules can be set in a 4-way, 3-way, 2-way, or 1-way air pattern and are adjustable without the use of tools
- Louver modules can be removed for access to the mounting margin and neck damper
- Standard finish is white paint (WH)

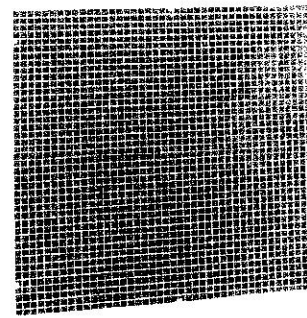
Neck Size (in.)	Available Sizes				
	Surface Mount		Lay-In T-Bar (24x24 Panel Size)		
	SF	SB	LT	TG	NR
6x6	X	X	X	X	X
8X8	X	X	X	X	X
10X10	X	X	X	X	X
12X12	X	X	X	X	X
14X14	X	X	X	X	X
16X16	X	X	X	X	X
18X18	X	X	X	X	X
20X20	X	X			
22X22	X	X			
24X24	X	X			
"X" denotes availability					

GRID CORE GRILLES & REGISTERS

CRE, CR, SCRE Series



Available Sizes in One Piece	
Minimum	Maximum
6x4	48x48
Product available in one inch increments of width and height. Sizes greater than 48x48 are supplied in multiple sections.	



CRE500

**EXTRUDED
ALUMINUM**

STEEL/ALUMINUM

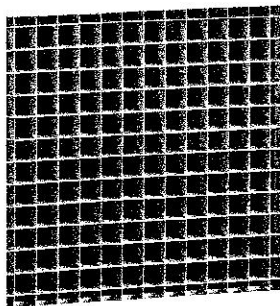
Series CRE, CR and SCRE eggcrate grilles have grid cores capable of transferring or returning high air volumes at minimum pressure requirements. They match grid louvers in appearance on luminaries and fit both Lay-in T-Bar openings in suspended grid ceilings and overlap openings (surface mount) in hard ceilings and walls. The CRE and CR series have aluminum margins with aluminum grid cores. The SCRE series has a steel margin with aluminum grid core and can be used in fire rated ceiling applications.

FEATURES

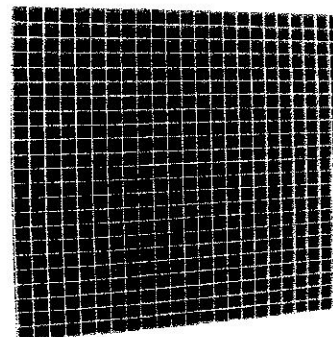
- 1-1/4" nominal overlap margin
- Furnished with countersunk screw holes and mounting screws
- Aluminum construction (CRE and CR series)
- Steel margin with aluminum grid core (SCRE series)
- CR series with U-frame can accommodate damper
- Three grid core styles: 1/2" x 1/2" x 1/2" (500), 1/2" x 1/2" x 1" (510), 1" x 1" x 1" (1000)
- Standard finish is White (WH)

ACCESSORIES

- Optional opposed blade damper (SOBD – steel, AOBD – aluminum) is factory mounted and screwdriver operated from face of grille
- Optional aluminum mounting frame (A45) available for use in plaster applications to facilitate grille removal
- Optional steel mounting frame (45) available for use in plaster applications to facilitate grille removal (SCRE)



CRE1000



CR1000U

PANEL '2AB5' SCHEDULE																			
LOCATION: ELECTRICAL ROOM					VOLTAGE: 120/208 3PH, 4-WIRE					TYPE: BOLT-IN C/B					DOOR-IN-DOOR				
GROUNDING: EQUIPMENT GROUND BUS					NEUTRAL: 100% RATED					MOUNTING: FLUSH					NEMA 1				
										SKIRTS: NONE					A/C RATING: 22 KA				
C K T #	ITEM	N O T E	A M P S	P O L E	225 A				A M P S	P O L E	N O T E	ITEM	C K T #						
					LEFT	A	B	C						RIGHT					
1	HP-7		50	2	4,680	•	•	•		20	1	SPACE	2						
3	-		-	-	4,680	•	•	•		20	1	SPACE	4						
5	HP-8		50	2	4,680	•	•	•		20	1	SPACE	6						
7	-		-	-	4,680	•	•	•		20	1	SPACE	8						
9	HP-9		50	2	4,680	•	•	•		20	1	SPACE	10						
11	-		-	-	4,680	•	•	•		20	1	SPACE	12						
13	HP-10		50	2	4,680	•	•	•		20	1	SPACE	14						
15	-		-	-	4,680	•	•	•		20	1	SPACE	16						
17	SPARE		20	1		•	•	•		20	1	SPACE	18						
19	SPARE		20	1		•	•	•		20	1	SPACE	20						
21	SPARE		20	1		•	•	•		20	1	SPACE	22						
23	SPACE		20	1		•	•	•		20	1	SPACE	24						
25	SPACE		20	1		•	•	•		20	1	SPACE	26						
27	SPACE		20	1		•	•	•		20	1	SPACE	28						
29	SPACE		20	1		•	•	•		20	1	SPACE	30						
31	SPACE		20	1		•	•	•		20	1	SPACE	32						
33	SPACE		20	1		•	•	•		20	1	SPACE	34						
35	SPACE		20	1		•	•	•		20	1	SPACE	36						
37	SPACE		20	1		•	•	•		20	1	SPACE	38						
39	SPACE		20	1		•	•	•		20	1	SPACE	40						
41	SPACE		20	1		•	•	•		20	1	SPACE	42						
					A B C														
Total Connected Phase Load (VA):					14,040		14,040		9,360										
Total Connected Phase Load (Amps):					117		117		78										
</																			