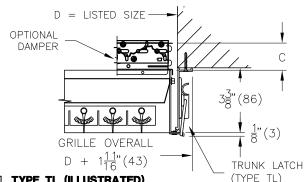


SINGLE DEFLECTION



☐ TYPE TL (ILLUSTRATED) OPTIONAL TRUNK LATCH BORDER/FRAME COMBINATION

☐ TYPE IF

OPTIONAL INVERTED FRAME (NO LATCH - FRAME AND BORDER PERMANENTLY FASTÈNED)

OPTIONAL DAMPER	A	В	С			
VCS3	3 3/16"(80)	4 3/4"(120)	1 3/8"(35)			
* VCS5	3 11/16"(93)	5 1/4"(133)	*			
* NOT AVAILABLE ON TYPE TL AND IF						

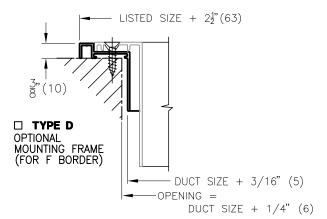
- ☐ B12 STANDARD WHITE
- ☐ B15 METALLIC GRAY
- ☐ MILL FINISH

(OPTIONAL FINISHES AVAILABLE)

## **MATERIAL:**

- BLADES, FRAMES, MULLIONS: EXTRUDED ALUMINUM INDEXING PLATE: STAINLESS STEEL
- HARDWARE: COATED STEEL
- DAMPER: COATED STEEL

DOUBLE DEFLECTION



#### **OPTIONS:**

- □ VCS3 OPPOSED BLADE DAMPER (STEEL)
- HEAVY DUTY OPPOSED BLADE DAMPER (STEEL) FRONT BLADES PARALLEL TO LONG DIMENSION VCS5
- $\square$  S FRONT BLADES PARALLEL TO SHORT DIMENSION

#### **FASTENING:**

- ☐ A COUNTERSUNK SCREWHOLES ☐ O NO MOUNTING SCREW HOLES

#### NOTES:

- BLADES INDEX AND LOCK INTO POSITION AT 0, 15, 30, AND 45 DEGREE DEFLECTIONS IN BOTH DIRECTIONS
- MULLIONS PROVIDED WHEN GRILL DIMENSIONS
- EXCEED 20" (508)

   AVAILABLE SIZES: MIN 6"x 4"(152x102)

  MAX 48"x 48"(1219x1219)

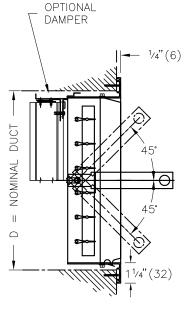
   FACTORY TOLERANCE: ±1/32"(1)

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

PROJECT:			Price*	
ENGINEER:		<i>M</i> g	150 SERIES INDUSTRIAL SUPPLY	
CUSTOMER:		222040		
SUBMITTAL DATE:	SPEC. SYMBOL:	2020/11/2	26	



# 152G INDUSTRIAL GRILLES AND REGISTERS WITH FRONT OR REAR GANG OPERATED BLADES

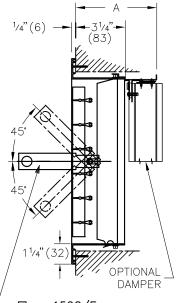


152G/R GANG OPERATED REAR BLADES

O.A. GRILLE FACE  $= D + 1^{11}/16"(43)$ 0 0 0 INSIDE FACE  $= D - \frac{13}{16}$ "(21)

4 OPERATORS:

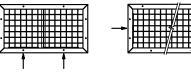
OPERATOR ARM IS ADJUSTABLE TO 45° AS SHOWN ABOVE.

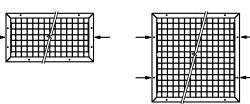


152G/F GANG OPERATED FRONT BLADES

TYPICAL GANG OPERATOR ARRANGEMENTS:

2 OPERATORS:





☐ TYPE D

**OPTIONAL** 

LISTED SIZE

- OPTIONAL DAMPER Α 43/4" (120) VCS3 VCS5 51/4" (133)
- GANG OPERATED FRONT/REAR BLADES DEFLECT AIR UP TO 45' IN EITHER DIRECTION, 1 OPERATOR SHOWN ABOVE.

= 40" (1016) NOM.

INDIVIDUALLY ADJUSTABLE REAR/FRONT BLADES INDEX & LOCK INTO POSITION AT 0, 15, 30 & 45 DEGREE DEFLECTION.

MAXIMUM GANGED BLADE LENGTH

- **OPTIONS:**
- FRONT BLADES PARALLEL TO LONG DIMENSION □ S FRONT BLADES PARALLEL TO SHORT DIMENSION □ VCS3 OPPOSED BLADE DAMPER (STEEL)
- HEAVY DUTY OPPOSED BLADE DAMPER (STEEL) ☐ VCS5 □ 0 NO MOUNTING SCREW HOLES
- $\Box$  D TYPE D OPTIONAL MOUNTING FRAME
- FINISH:
- ☐ B15 METALLIC GRAY
- ☐ B12 STANDARD WHITE
- ☐ MILL FINISH

(OPTIONAL FINISHES AVAILABLE)

### **MATERIAL:**

- GRILLE FRAME, BLADES: EXTRUDED ALUMINUM
- SCREWS AND RIVETS: PLATED STEEL
- INDEXING PLATES: STAINLESS STEEL
- OPERATOR ASSEMBLY AND OPTIONAL DAMPER: PAINTED STEEL CONSTRUCTION
- $+ 2^{1/2}"(63)$ MAXIMUM MOVEMENT BAR LENGTH = 20" (508) NOM. GRILLES EXCEEDING 20" (508) NOMINAL  $\frac{3}{8}$ " (10) MULTIPLE OPERATORS (AS SHOWN). TYPE A FASTENING (COUNTERSUNK SCREW HOLES FOR #8 SCREWS) SUPPLIED PER FACTORY STANDARD MIN SIZE 6"x6" (152x152), MAX SIZE MTG. FRAME

48"x36" (1219x946) FACTORY TOLERANCE ± 1/32" (± 1 mm)

- DUCT SIZE +  $\frac{3}{16}$ "(5) -OPENING =

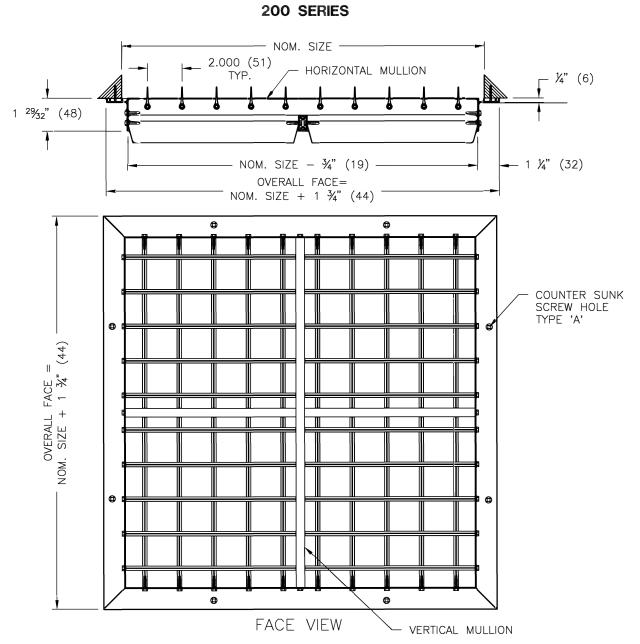
DUCT SIZE +  $\frac{1}{4}$ "(6)

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

FRAME (FOR F BORDER)

PROJECT: **152G SERIES ENGINEER:** INDUSTRIAL GRILLES AND **CUSTOMER:** REGISTERS WITH FRONT 219675 OR REAR GANG OPERATED SUBMITTAL DATE: SPEC. SYMBOL: 2020/12/14 **BLADES** 





#### FINISH:

☐ B12 WHITE

(OPTIONAL FINISHES AVAILABLE)

#### MATERIAL:

- BLADES, FRAMES, MULLIONS: EXTRUDED ALUMINUM
- HARDWARE: COATED STEEL

#### FRAME:

• IF - 1 1/4" (32) INVERTED FRAME

#### **OPTIONS:**

- ☐ FRONT BLADES PARALLEL TO LONG DIMENSION
- ☐ FRONT BLADES PARALLEL TO SHORT DIMENSION FASTENING:
  - ☐ TYPE A COUNTERSUNK SCREW MOUNTING☐ TYPE O NO HOLES SUPPLIED

#### NOTES:

- MULLIONS PROVIDED WHEN GRILLE DIMENSIONS EXCEED 20" (508)
- AVAILABLE SIZES: MIN 6"x 4"(152x102), MAX 48"x 48" (1219x1219)
- TYPE A FASTENING (COUNTERSUNK SCREWHOLES FOR #8 SCREW) SUPPLIED PER FACTORY STANDARD.

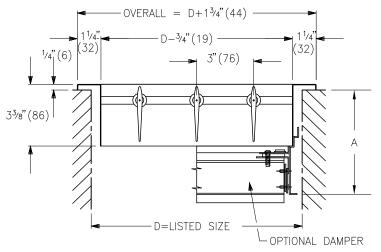
FACTORY TOLERANCE: ± \( \frac{1}{32} \) (1)

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

PROJECT:			Price®	
ENGINEER:		R	200 SUPPLY GRILLE	
CUSTOMER:		251265	JOIT ET GRIELE	
SUBMITTAL DATE:	SPEC. SYMBOL:	FEB 2009		



# 300 SERIES INDUSTRIAL GRILLES & REGISTERS



OPTIONAL DAMPER	A	В
VCS3	4 <sup>7</sup> /8" (123)	8 <sup>1</sup> /4" (209)
VCS5	5³⁄⁄8" (136)	8¾" (222)

BLADE ORIENTATION - PARALLEL TO:

☐ MODEL 301 SINGLE DEFLECTION

 $\square$  L = LONG DIMENSION

 $\square$  S = SHORT DIMENSION

#### **DAMPER**

☐ VCS3 OPPOSED BLADE DAMPER (STEEL)

□ VCS5 HEAVY DUTY OPPOSED BLADE DAMPER (STEEL)

#### FINISH:

☐ B12 STANDARD WHITE ☐ B15 METALLIC GRAY

(OPTIONAL FINISHES AVAILABLE)

#### **MATERIAL:**

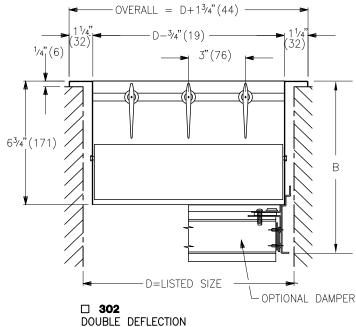
• FRAMES: STEEL

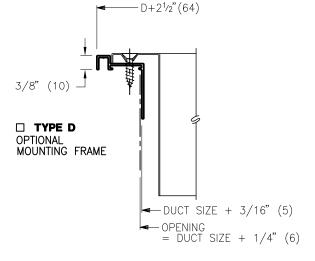
• AIRFOIL BLADES: EXTRUDED ALUMINUM

# FASTENING:

☐ A COUNTERSUNK SCREWHOLES

□ 0 NO MOUNTING SCREW HOLES





#### NOTES:

• AVAILABLE SIZES: MIN 6"x 6"(152x152)

MAX 48"x 48"(1219x1219)

• FACTORY TOLERANCE: ± 1/32 (1)

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

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

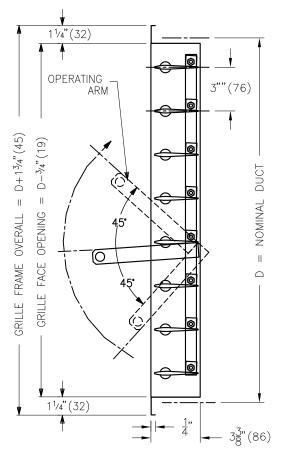
300 SERIES
INDUSTRIAL SUPPLY
GRILLES & REGISTERS

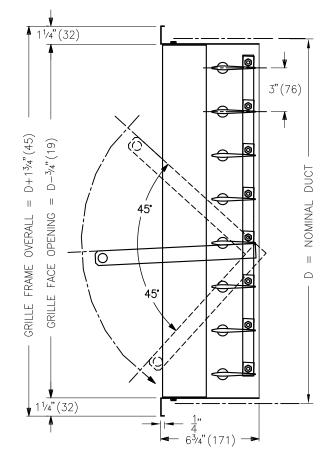
222038

2020/11/25



# **301G SINGLE DEFLECTION &** 302G DOUBLE DEFLECTION INDUSTRIAL GRILLES





**301G** SINGLE DEFLECTION GANG OPERATED BLADES DEFLECT AIR 45° IN EITHER DIRECTION

BLADE ORIENTATION — PARALLEL TO:

□ L = LONG DIMENSION

□ S = SHORT DIMENSION

☐ B12 STANDARD WHITE

(OPTIONAL FINISHES AVAILABLE)

• FRAMES: HEAVY GAUGE STEEL • AIRFOIL BLADES: EXTRUDED ALUMINUM

☐ B15 METALLIC GRAY

FINISH:

DAMPER: □ VCS3

MATERIAL:

**OPTIONAL** MOUNTING FRAME  $D+2\frac{1}{2}$ "(64) OPPOSED BLADE DAMPER (STEEL) □ VCS5 HEAVY DUTY OPPOSED BLADE DAMPER (STEEL) DUCT SIZE + 3/16" (5) • OPERATING ARM & MOVEMENT BAR: ALUMINUM

□ TYPE D

☐ **302G** DOUBLE DEFLECTION GANG OPERATED BLADES DEFLECT AIR 45° IN EITHER DIRECTION

OPERATOR LOCATION:

 $\Box$  F = FRONT

R = REAR (SHOWN, ABOVE)

#### **FASTENING:**

- COUNTERSUNK SCREWHOLES
- ☐ 0 NO MOUNTING SCREW HOLES

#### **NOTES:**

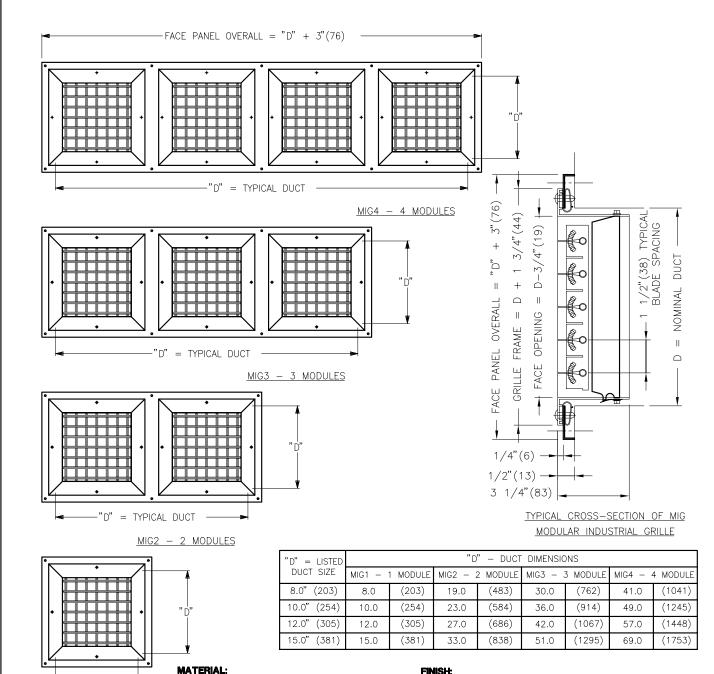
- MIN GRILLE SIZE 6" x 6" (152x152)
  MAX GRILLE SIZE 48" x 48" (1219x1219)
  FACTORY TOLERANCE: ±1/32"(1)

-OPENING = DUCT SIZE + 1/4" (6) ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

#### PROJECT: 301G / 302G **ENGINEER:** INDUSTRIAL GRILLE **CUSTOMER:** c/w GANG OPERATED 222042 **BLADES** SUBMITTAL DATE: SPEC. SYMBOL: 2020/11/25



# **Submittal Sheet**



- PANEL STEEL CONSTRUCTION
- BLADES AND FRAME EXTRUDED ALUMINUM
- INDEXING DEVICE STAINLESS STEEL
- FASTENERS COATED STEEL

#### FINISH:

☐ B15 ALUMINUM

☐ B12 WHITE

(OPTIONAL FINISHES AVAILABLE)

#### NOTES:

• FACTORY TOLERANCE = .031" ( $\pm 1$ mm)

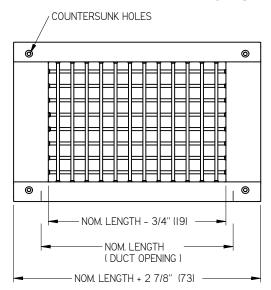
ALL METRIC DIMENSIONS ( )	ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO	METRIC AND ROUNDED TO	THE NEAREST MILLIMETER.
PROJECT:			
ENGINEER:		-	MIG SERIES
CUSTOMER:		219676	MODULAR INDUSTRIAL GRILLE
SUBMITTAL DATE:	SPEC. SYMBOL:	APRIL 99	INDUSTRIAL GIVILLE

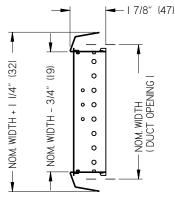
-"D"

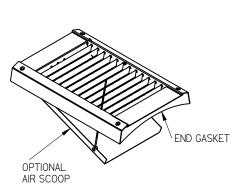
MIG1 - 1 MODULES



# SDG SPIRAL DUCT GRILLE

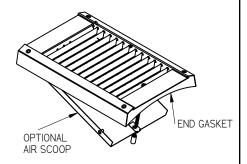






AIR SCOOP (ROD OPERATOR)

RE	RECOMMENDED SDG SIZE FOR					
S	PECIFIED DUCT DIA	AMETER				
DUCT SIZE	MINIMUM	MAXIMUM				
(DIAMETER)	NOM. WIDTH SIZE	NOM.WIDTH SIZE				
8" - 13"	-	4"				
14" - 21"	4"	6"				
22" - 31"	4"	8"				
32" - 41"	4"	10"				
42" - OVER	4"	12"				



AIR SCOOP (CABLE OPERATOR)

#### **DAMPER OPTIONS:**

 $\square$ AS: AIR SCOOP (ROD OPERATOR)  $\square$ ASC: AIR SCOOP (CABLE OPERATOR)

☐3: VCS3 COATED STEEL OPPOSED BLADE DAMPER

### NOTES:

- INTENDED FOR USE IN SPIRAL OR ROUND DUCT APPLICATIONS (MINIMUM DUCT SIZE 8" (203)
- MINIMUM NOM. LENGTH IS 10" (254)
- MAXIMUM NOM. LENGTH IS 36" (914)
- MULLIONS ARE USED WHEN BLADE LENGTH EXCEEDS 24"
- AVAILABLE SIZE IN 1" INCREMENTS
- 3/4" BLADE SPACING
- OPEN CELL FOAM INSULATION PROVIDES A TIGHT SEAL AROUND THE GRILLE OPENING IN ANY ROUND DUCT (GREY STANDARD)
- ÒPTIONAL AIR-SCÓOP AVAILABLE
- FACTORY TOLERANCE +/ 1/32" (1)
- · GALVANIZED UNITS ARE MILL FÌNISH.
- STEEL AND GALVANIZED MODELS COME WITH GALVANIZED SCOOP.
- ALUMINUM MODEL COMES WITH MILL FINISH ALUMINUM SCOOP.

#### **BLADE ORIENTATION - FRONT SET:**

☐S PARALLEL TO SHORT DIM

□L PARALLEL TO LONG DIM

#### **END GASKET COLOR OPTIONS:**

□GREY □WHITE □BLACK

#### MATERIAL:

□ST STEEL FRAME AND BLADES

☐GV GALVANIZED STEEL FRAME AND BLADES

□AL ALUMINUM FRAME AND BLADES

#### FINISH:

□B12 WHITE (ST & AL)

(OTHER FINISHES AVAILABLE)

☐GV MILL FINISH

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

PROJECT:

ENGINEER:

CUSTOMER:

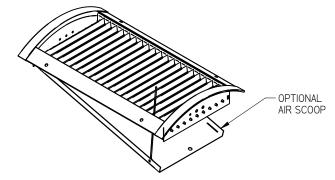
SUBMITTAL DATE:

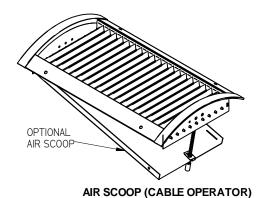
SPEC. SYMBOL:

DEC 2012

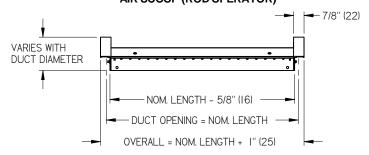


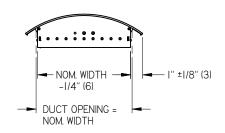
## SDGF - SPIRAL DUCT GRILLE EXTRUDED





AIR SCOOP (ROD OPERATOR)





#### STANDARDCONSTRUCTION:

- FRAMES: EXTRUDED ALUMINUM
- BLADES: EXTRUDED ALUMINUM
- 3/4" BLADE SPACING

### DAMPER OPTIONS:

□AS: AIR SCOOP (ROD OPERATOR)
□ASC: AIR SCOOP (CABLE OPERATOR)

☐3: VCS3 COATED STEEL OPPOSED BLADE DAMPER

### AVAILABLE CONFIGURATIONS:

- ☐ DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO LENGTH
- ☐ DOUBLE DEFLECTION, FRONT BLADES PARALLEL TO WIDTH
- ☐ SINGLE DEFLECTION, BLADES PARALLEL TO LENGTH
- ☐ SINGLE DEFLECTION, BLADES PARALLEL TO WIDTH

#### FINISH

☐ B12 WHITE

(OPTIONAL FINISHES AVAILABLE)

☐ AC CLEAR ANODIZED

# **FASTENING OPTIONS & ACCESSORIES:**

• "A" MOUNTING STANDARD

#### NOTES:

 NOMINAL LENGTHS AVAILABLE IN 1" INCREMENTS. FOR ONE-PIECE CONSTRUCTION: MIN. NOMINAL LENGTH = 6" MAX. NOMINAL LENGTH = 36"

• FACTORY TOLERANCE +/- 1/32" (1)

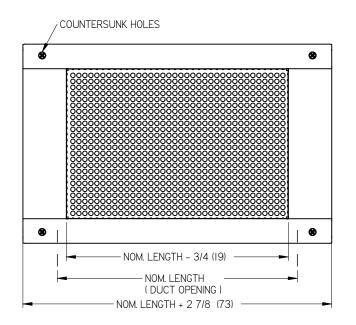
Available Sizes						
Duct Dia.		Nom. Widths				
	3	4	6	8	10	12
6	Х	Х				
8	Х	Х	Х			
10	Х	Х	Х	Х		
12	Х	Х	Х	Х	Х	
14	Х	Х	Х	Х	Х	Х
16	Х	Х	Х	Х	Х	Х
18	Х	Х	Х	Х	Х	Х
20	Х	Х	Х	Х	Х	Х
22	Х	Х	Х	Х	Х	Х
24	Х	Х	Х	Х	Х	Х
26	Х	Х	Х	Х	Х	Х
28	Х	Х	Х	Х	Х	Х
30	Х	Х	Х	Х	Х	Х
32	Х	Х	Х	Х	Х	Х
36	Χ	Χ	Х	Х	Х	Χ

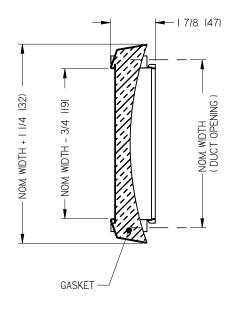
Available Circo

ALL METRIC DIMENSIONS ( ) ARE SO	OFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO	METRIC AND ROUNDED TO THE NEARES	T MILLIMETER.
PROJECT:			JLICG,
ENGINEER:			SDGE SPIRAL DUCT GRILLE
CUSTOMER:		245972	EXTRUDED
SUBMITTAL DATE:	SPEC. SYMBOL:	DEC 2012	
	EON!	CUEET 1 OF 1	DEV E



# SDGR SPIRAL DUCT GRILLE RETURN





RECOMMENDED SDGR SIZE FOR					
s	PECIFIED DUCT DIA	AMETER			
DUCT SIZE	MINIMUM	MAXIMUM			
(DIAMETER)	NOM. WIDTH SIZE	NOM.WIDTH SIZE			
8" - 13"	-	4"			
14" - 21"	4"	6"			
22" - 31" 4" 8"					
32" - 41"	10"				
42" - OVER	4"	12"			

**OPTIONS:** 

GASKET □GREY □WHITE □BLACK

#### MATERIAL:

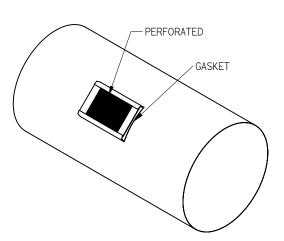
□ST STEEL □GV GALVANIZED

#### FINISH:

□B12 WHITE (ST) (OTHER FINISHES AVAILABLE) □GV MILL FINISH

#### NOTES:

- INTENDED FOR USE IN SPIRAL OR ROUND DUCT APPLICATIONS (MINIMUM DUCT SIZE 8" (203)
- MINIMUM NOM. LENGTH IS 10" (254)
- MAXIMUM NOM. LENGTH IS 36" (914)
- AVAILABLE SIZE IN 1" INCREMENTS
- OPEN CELL FOAM INSULATION PROVIDES A TIGHT SEAL AROUND THE GRILLE OPENING IN ANY ROUND DUCT (GREY STANDARD)
- FACTORY TOLERANCE +/ 1/32" (1)
- GALVANIZED UNITS ARE MILL FÌNISH.



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

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

SUBMITTAL DATE:

SPEC. SYMBOL:

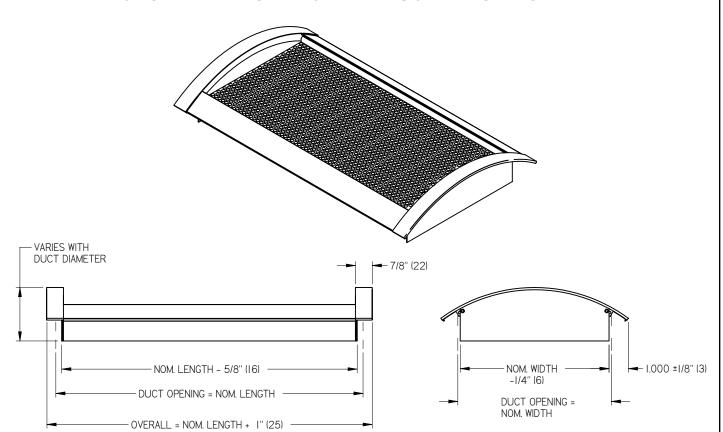
MAR. 2008

SPEC. SYMBOL:

MAR. 2008



# SDGER - EXTRUDED SPIRAL DUCT RETURN GRILLE



### STANDARDCONSTRUCTION:

- FRAMES: EXTRUDED ALUMINUM
- ALUMINUM PERFORATED FACE

#### FINISH:

- ☐ B12 WHITE
  - (OPTIONAL FINISHES AVAILABLE)
- ☐ AC CLEAR ANODIZED

#### **FASTENING OPTIONS & ACCESSORIES:**

"A" MOUNTING STANDARD

#### NOTES:

- NOMINAL LENGTHS AVAILABLE IN 1" INCREMENTS. MIN. NOMINAL LENGTH = 6" MAX. NOMINAL LENGTH = 36"
- FACTORY TOLERANCE +/- 1/32" (1)

Available Sizes						
Duct Dia.		Nom. Widths				
	3	4	6	8	10	12
6	Χ	Х				
8	Х	Х	Х			
10	Х	Х	Х	Х		
12	Χ	Х	Х	Х	Х	
14	Χ	Х	Х	Х	Х	Х
16	Χ	Х	Х	Х	Х	Х
18	Χ	Х	Х	Х	Х	Х
20	Х	Х	Х	Х	Х	Х
22	Х	Х	Х	Х	Х	Х
24	Χ	Х	Х	Х	Х	Х
26	Χ	Х	Х	Х	Х	Х
28	Х	Х	Х	Х	Х	Х
30	Χ	Х	Х	Х	Х	Х
32	Х	Х	Х	Х	Х	Х
36	Х	Х	Х	Х	Х	Χ

**SEP 2008** 

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER PROJECT: **SDGER ENGINEER: SPIRAL DUCT GRILLE EXTRUDED RETURN CUSTOMER:** 249212 SUBMITTAL DATE:

ECN: SHEET 1 OF 1 REV A ©Copyright E.H.PRICE LIMITED 2007

SPEC. SYMBOL: