

FTI Order (or Quote) No.: _____

RECTANGULAR DUCT ORDER COVER SHEET

Catalog 04/24.2

COMPANY: _____

MAILING ADDRESS: _____

CITY / STATE / ZIP CODE: _____

PROJECT MGR.: _____

PHONE NO.: _____

ORDER DATE: _____

EMAIL: _____

DELIVERY DATE: _____

SHIP TO: _____

STREET / ROAD: _____

CITY / STATE / ZIP CODE: _____

PROJECT NAME: _____

PHONE NO.: _____

INDICATE SYSTEM PRESSURE CLASS:

- 6" WG (-1,493 Pa)
 -10" WG (-2,488 Pa)
 -14" WG (-3,484 Pa)
 -18" WG (-4,479 Pa)

OTHER: _____

INDICATE SUBSTRATE:

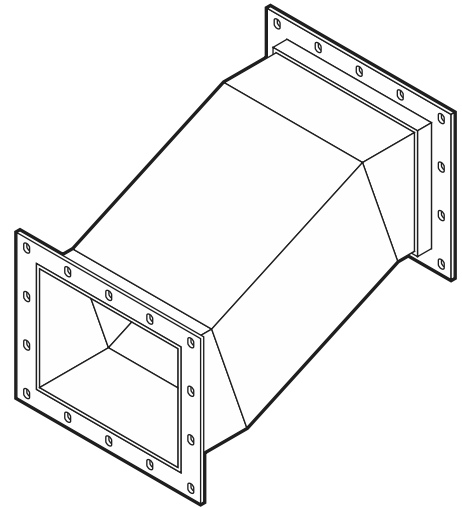
- 304 316

INDICATE HARDWARE:

- GRADE 5 18-8 (304SS) 316SS

PermaShield[®]

Stainless Steel Corrosive Fume Exhaust System With PermaShield Fluoropolymer Barrier Coating



Fab-Tech

An Exyte Group Company

480 Hercules Drive / Colchester, VT 05446

Tel: 802-655-8800 / Fax: 802-655-8804

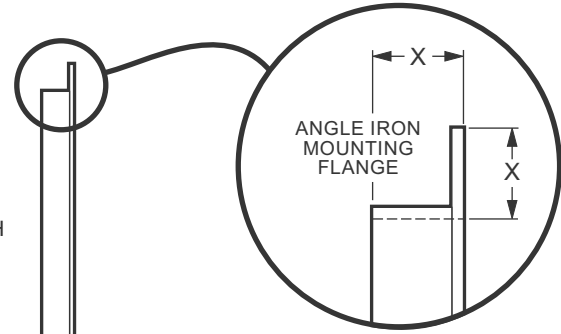
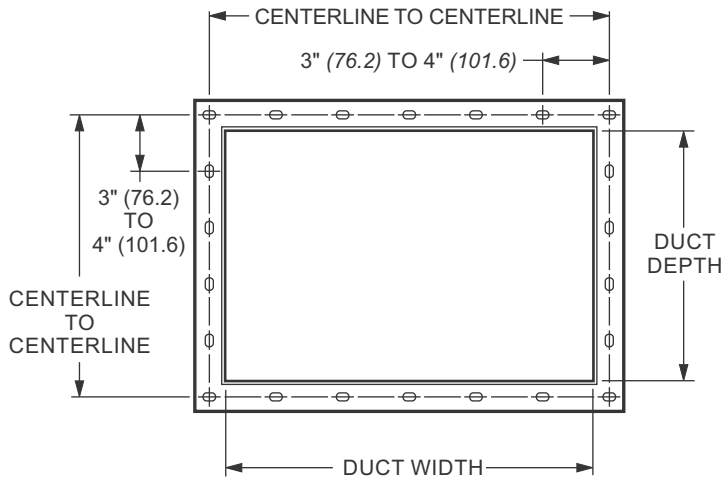
Email: info@fabtechinc.com

Web: www.fabtechinc.com

DUCT & FITTINGS	Mounting Flange Standards _____	3
	Straight Duct _____	4
	Straight Duct with Rectangular Straight Tap _____	5
	Straight Duct with Rectangular Shoe Tap _____	6
	Straight Duct with Rectangular Conical Tap _____	7
	Straight Duct with Rectangular Lateral Tap _____	8
	Straight Duct with Round Tap _____	9
	Straight Duct with Multiple Taps _____	10
	Straight Duct with Multiple Taps _____	11
	Radial Elbow 90°, 60°, 45°, 30° or Custom _____	12
	Mitered Elbow 90°, 60°, 45°, 30° or Custom _____	13
	Concentric Transition _____	14
	Rectangular to Round Concentric Transition _____	15
	Offset, Vertical _____	16
	Offset, Double _____	17
	End Cap _____	18
Custom Fitting _____	19	
CONTROL DEVICES	Damper Actuator Worksheet _____	20
	Industrial Rectangular Parallel Blade Control Damper _____	21
	Industrial Rectangular Opposed Blade Control Damper _____	22
	Industrial Rectangular Industrial Backdraft Damper _____	23
	Heavy Duty Rectangular Parallel Blade Control Damper _____	24
	Heavy Duty Rectangular Opposed Blade Control Damper _____	25
	Rectangular Horizontal Blastgate _____	26
Rectangular Vertical Blastgate _____	27	

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

Mounting Flange Standards



- ▶ Angle sizes (X): 1.5" (38.1), 2" (50.8), 2.5" (63.5), and 3.0" (76.2)
- ▶ Angle thickness for all sizes: 3/16" (4.76)
- ▶ Flange angle size determined from duct width and system pressure.

TABLE BELOW IS FOR STANDARD DUCT LENGTH OF 48-1/4" (1225.6)

DUCT WIDTH	PRESSURE CLASS -6" W.G. (-1,493 Pa)	PRESSURE CLASS -10" W.G. (-2,488 Pa)	PRESSURE CLASS -14" W.G. (-3,484 Pa)	PRESSURE CLASS -18" W.G. (-4,479 Pa)
	DUCT 16GA (1.52)	DUCT 12GA (2.67)	DUCT 12GA (2.67)	DUCT 10GA (3.43)
	ANGLE IRON SIZE	ANGLE IRON SIZE	ANGLE IRON SIZE	ANGLE IRON SIZE
12" (304.8) - 24" (609.6)	1.5" (38.1)	1.5" (38.1)	1.5" (38.1)	2" (50.8)
26" (660.4) - 36" (914.4)	1.5" (38.1)	2" (50.8)	2" (50.8)	2" (50.8)
38" (965.2) - 48" (1219.2)	2" (50.8)	2" (50.8)	2" (50.8)	3.0" (76.2)

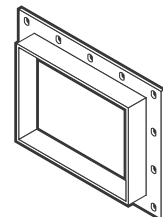
INTERIOR STIFFENER ADDED FOR 50" (1270.0) AND LARGER

50" (1270.0) - 60" (1524.0)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
62" (1574.8) - 72" (1828.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
74" (1879.6) - 84" (2133.6)	2" (50.8)	2" (50.8)	2" (50.8)	2.5" (63.5)
86" (2184.4) - 96" (2438.4)	2" (50.8)	2" (50.8)	2.5" (63.5)	3.0" (76.2)

- NOTES:**
1. FLANGE MATERIAL IS STAINLESS STEEL.
 2. THE NUMBER OF HOLES FOR THE BOLT HOLE PATTERN IS DETERMINED FROM THE DUCT WIDTH AND DEPTH. HOLE TO HOLE DISTANCE WILL BE CALCULATED TO BE BETWEEN 3" (76.2mm) TO 4" (101.6mm). OBLONG HOLES ARE PUNCHED ALONG THE FLANGE CENTERLINE.
 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 4. INTERIOR STIFFENERS (1" SCH40 PIPE) ARE WELDED BETWEEN DUCT SIDES THAT ARE 50" (1279.0mm) WIDE OR GREATER. SEPARATE OFFSET STIFFENERS ARE USED WHEN BOTH DUCT WIDTH AND DEPTH ARE 50" (1279.0mm) OR GREATER.
 5. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

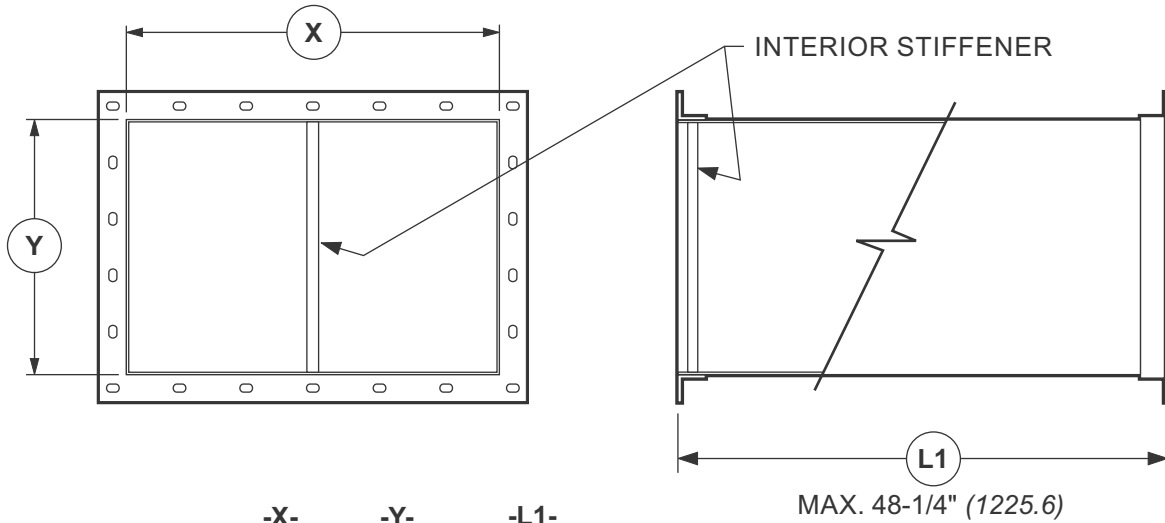
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:

Straight Duct



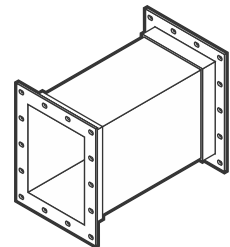
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	REMARKS

- NOTES:**
- SEE THE STANDARDS SECTION OF THE PRODUCT CATALOG FOR INFORMATION ABOUT DUCT GAUGE, RING MECHANICAL SPECS, HARDWARE AND GASKETS.
 - OPTION:** CUSTOM LENGTH
 - OPTION:** RAW END
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

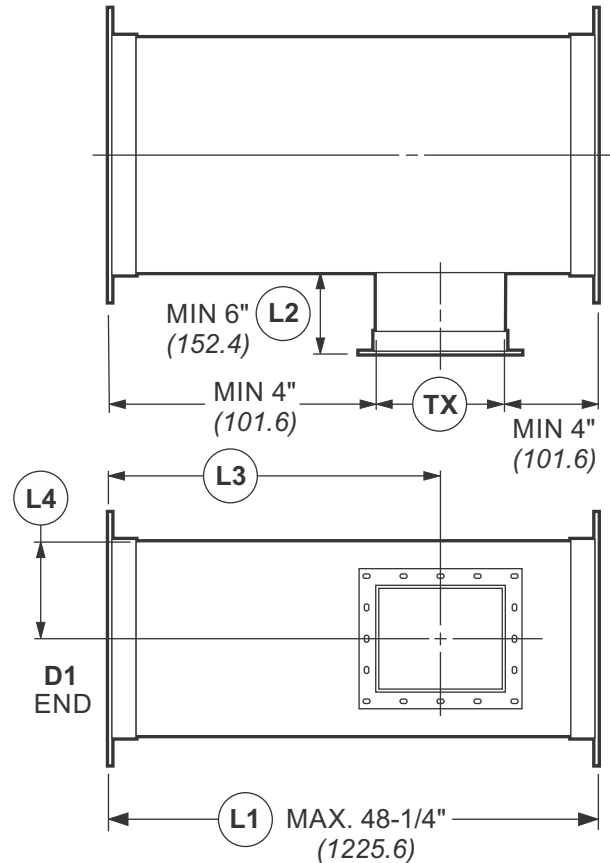
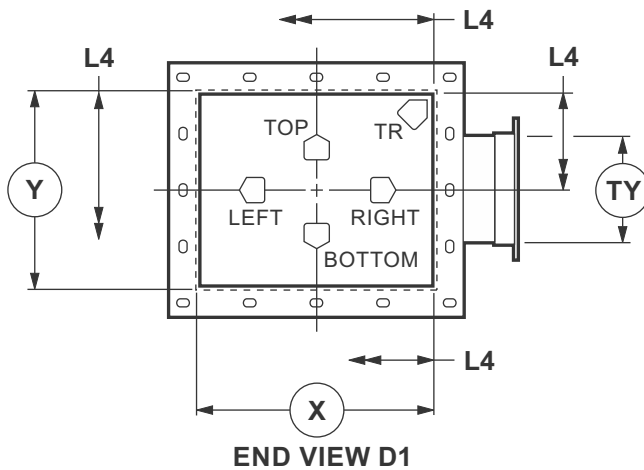
COMPANY / JOB REFERENCE:



Straight Duct with Straight Rectangular Tap

NOTES:

- OPTION:** CUSTOM LENGTH
- OPTION:** RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
- AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
- GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
- ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
- INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.
 TOP BOTTOM LEFT RIGHT

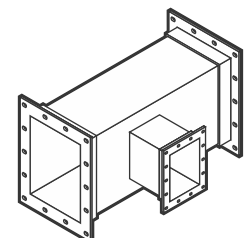


DUCT SPECIFICATIONS					TAP SPECIFICATIONS					
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
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METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

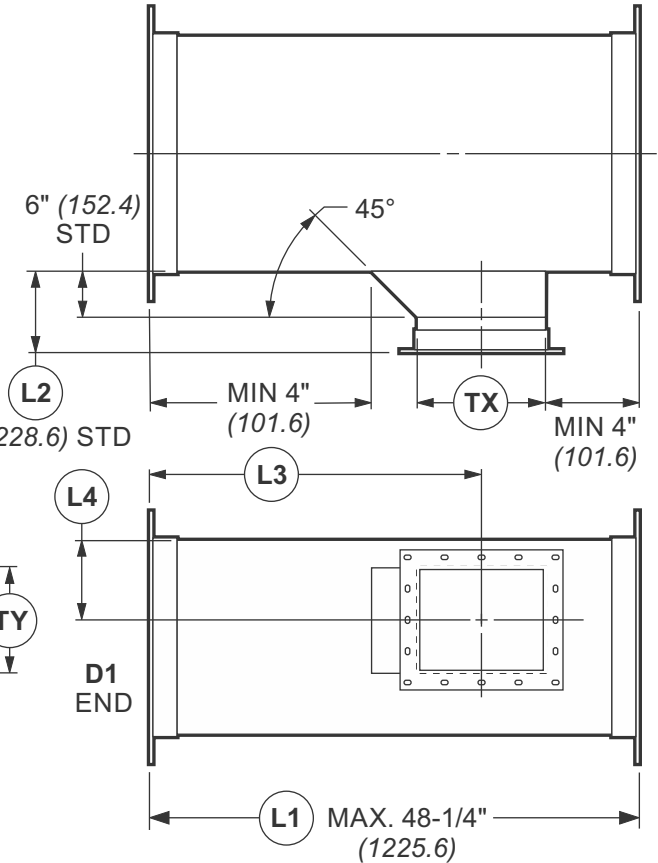
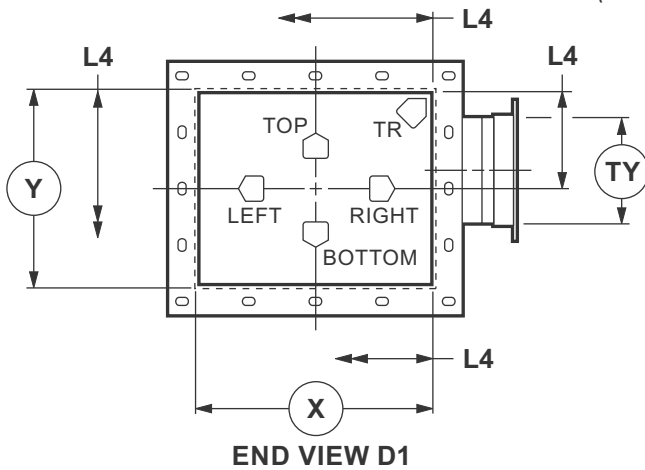
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Shoe Tap

NOTES:

1. **OPTION:** CUSTOM LENGTH
2. **OPTION:** RAW END
3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.
 TOP BOTTOM LEFT RIGHT

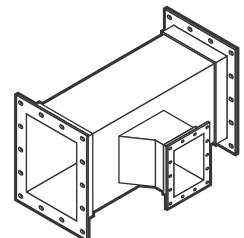


DUCT SPECIFICATIONS				TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
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METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

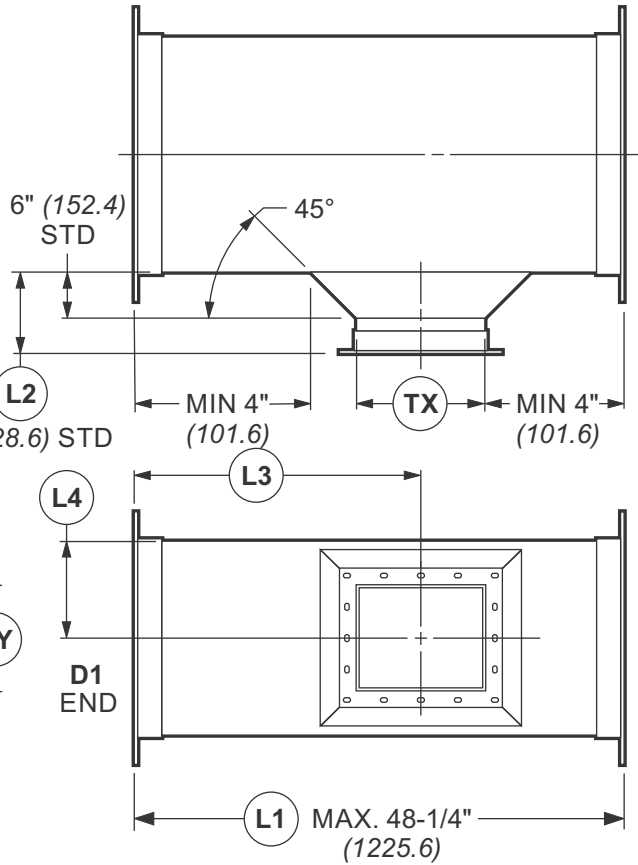
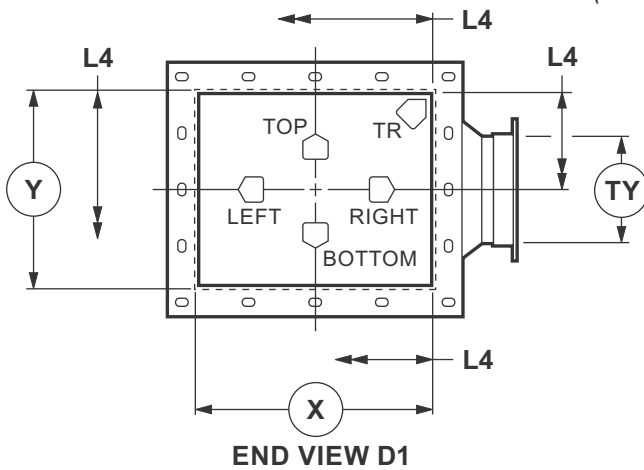
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Conical Tap

NOTES:

1. **OPTION:** CUSTOM LENGTH
2. **OPTION:** RAW END
3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
7. INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.
 TOP BOTTOM LEFT RIGHT

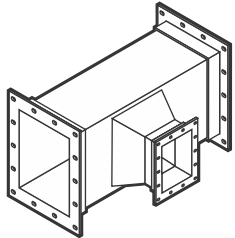


DUCT SPECIFICATIONS				TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
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METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

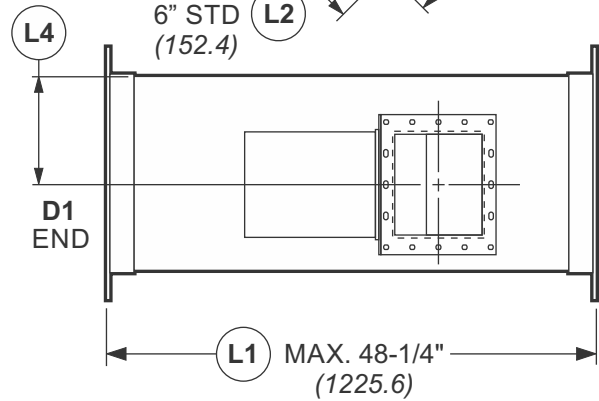
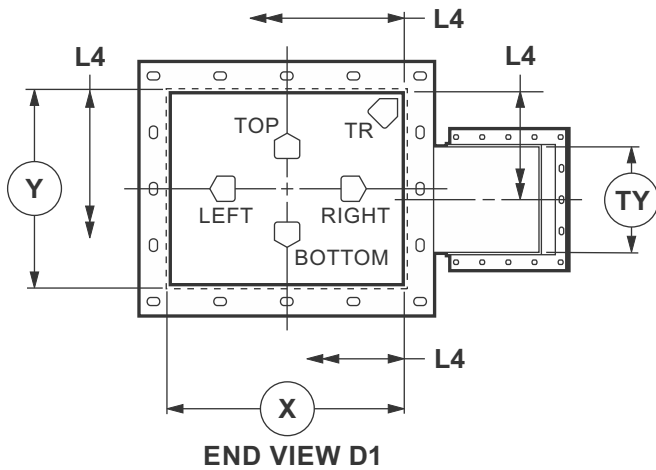
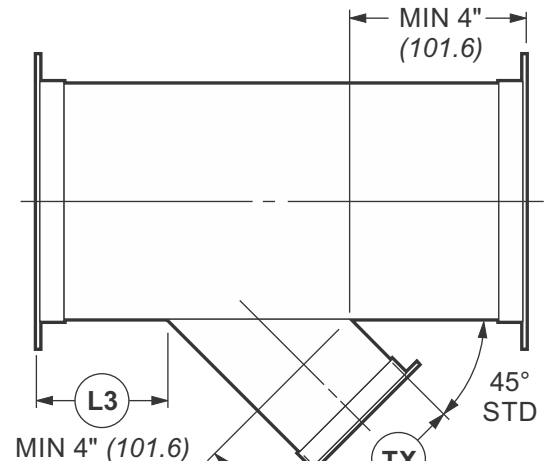
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Lateral Tap

NOTES:

- OPTION:** CUSTOM LENGTH
- OPTION:** RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
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- ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.
- INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.
 TOP BOTTOM LEFT RIGHT

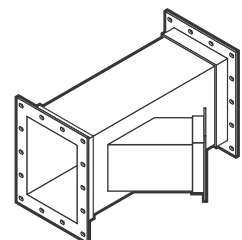


DUCT SPECIFICATIONS				TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
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METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

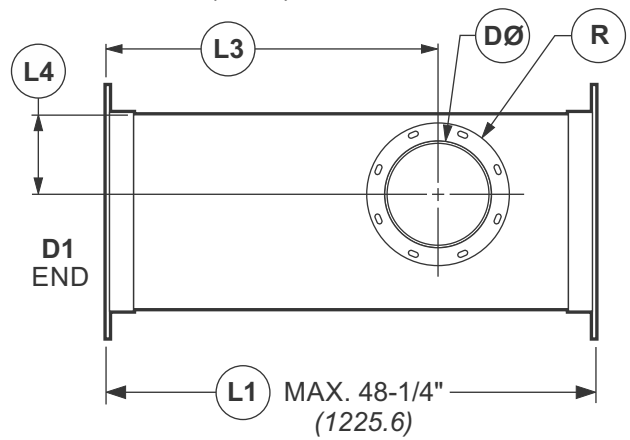
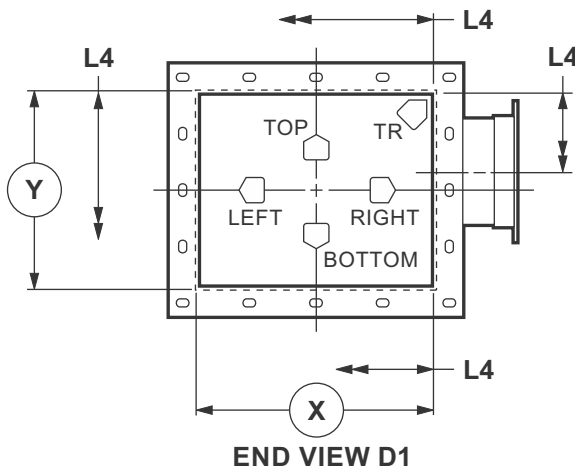
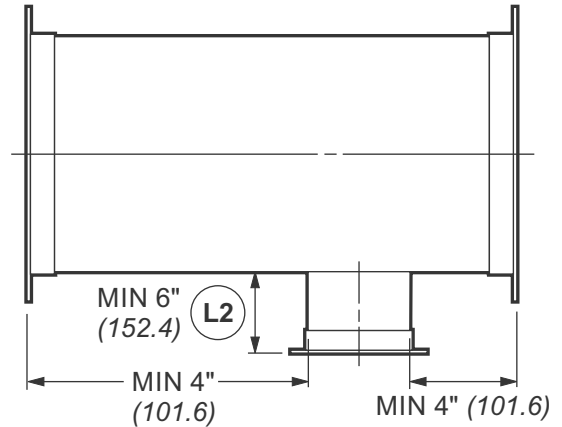
COMPANY / JOB REFERENCE:



Straight Duct with Round Tap

NOTES:

- OPTION:** CUSTOM LENGTH
- OPTION:** RAW END
- DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
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- INDICATE SIDE TO LOCATE TAP IN THE COLUMN BELOW.
 TOP BOTTOM LEFT RIGHT

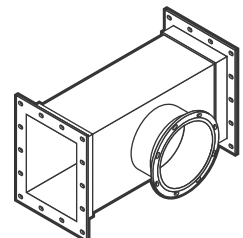


DUCT SPECIFICATIONS					TAP SPECIFICATIONS					
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-DØ- TAP DIA.	-R- TAP RING TYPE	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
					<input type="checkbox"/>					
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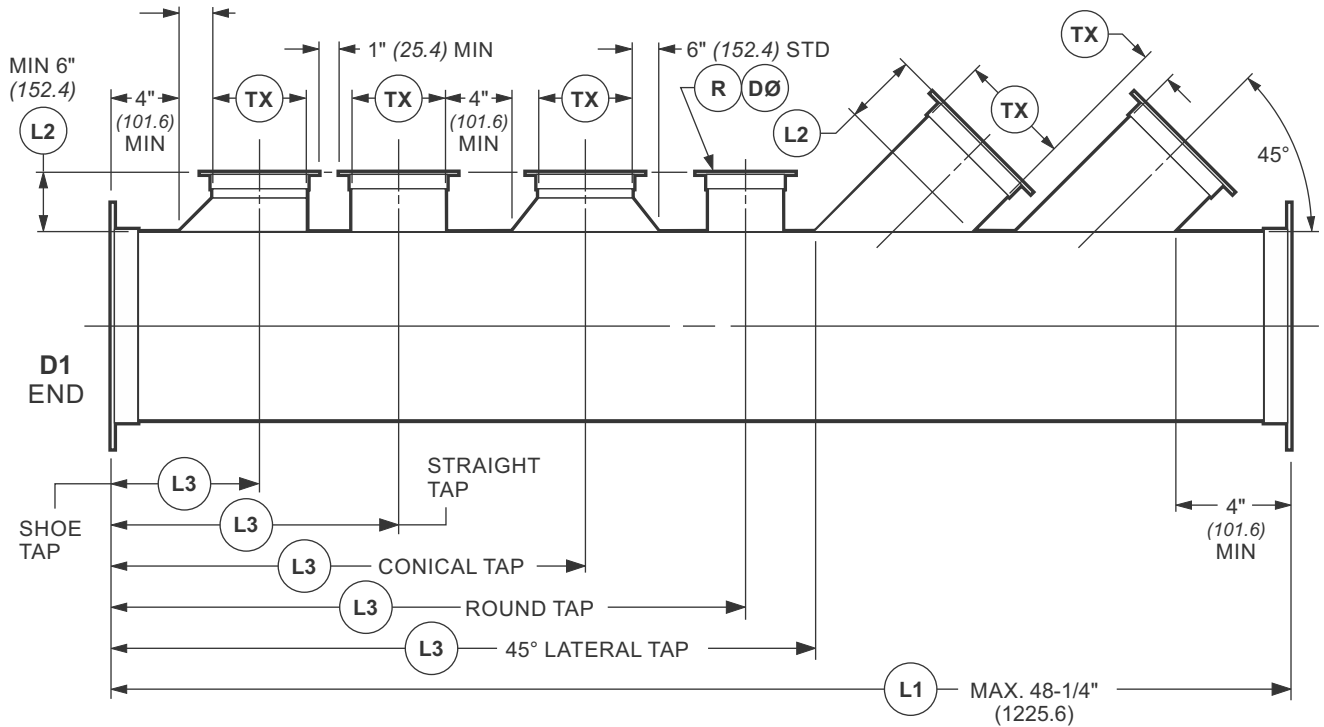
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:

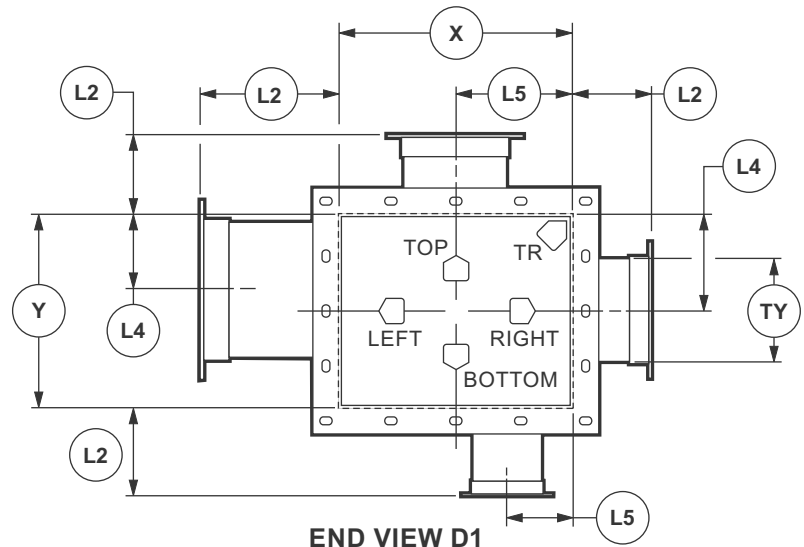


Straight Duct with Multiple Taps Guideline



DUCT JOINT / RING TYPE

- EZ** EZ CLAMP
4"Ø-14"Ø (101.6 - 355.6)
- SC** STAINLESS CAST RING
4"Ø-14"Ø (101.6 - 355.6)
- BI** BLACK IRON ANGLE RING
16"Ø-120"Ø (406.4 - 3048.0)
- SS** STAINLESS ANGLE RING
16"Ø-120"Ø (406.4 - 3048.0)

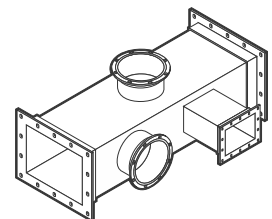


- NOTES:**
1. **OPTION:** CUSTOM LENGTH
 2. **OPTION:** RAW END
 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 5. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Straight Duct with Multiple Taps

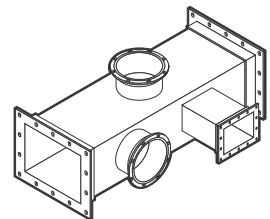
DUCT SPECIFICATIONS					REMARKS
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	

TAP SPECIFICATIONS - ONLY USE COLUMNS THAT APPLY FOR THE SPECIFIC TAP SELECTED									
	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE HORIZONTAL TAP FROM TR	-L5- LOCATE VERTICAL TAP FROM TR	"DØ" TAP DIA.	"R" TAP RING TYPE	SPECIFY LOCATION OF TAP
TAP #1	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #2	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #3	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #4	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #5	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #6	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #7	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #8	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM
TAP #9	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> SHOE: <input type="radio"/> CONICAL: <input type="radio"/> LATERAL: <input type="radio"/> ROUND:								<input type="checkbox"/> TOP <input type="checkbox"/> RIGHT <input type="checkbox"/> LEFT <input type="checkbox"/> BOTTOM

- NOTES:** 1. USE THE GUIDELINES ON THE PRECEDING PAGE FOR ASSISTANCE IN LOCATING THE SPECIFIC TAP TYPES TO BE INCLUDED ON THIS DUCT FITTING.
2. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

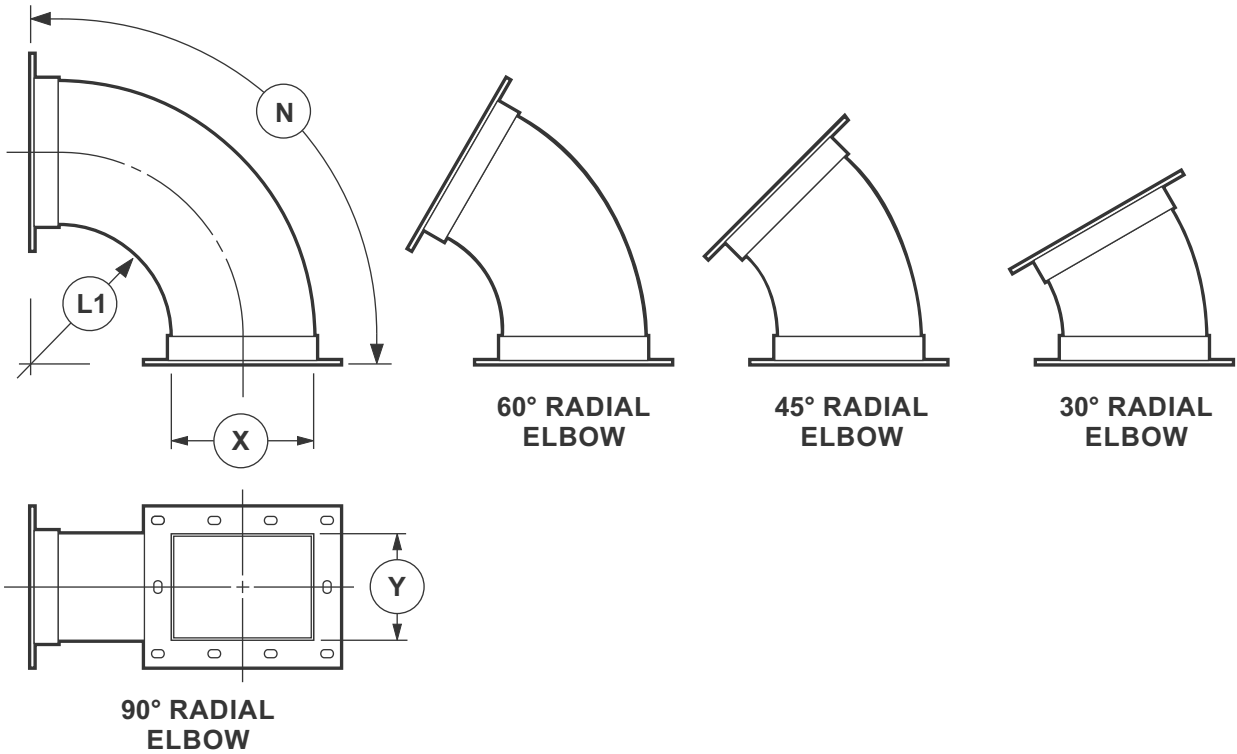
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:

90°, 60°, 45°, 30° or Custom Elbow

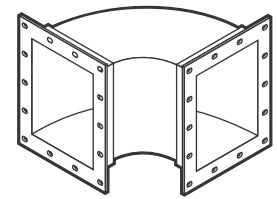


FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT RADIUS	REMARKS
				<input type="checkbox"/> 90°	<input type="checkbox"/> 45°		
				<input type="checkbox"/> 60°	<input type="checkbox"/> 30°		
				<input type="checkbox"/> 90°	<input type="checkbox"/> 45°		
				<input type="checkbox"/> 60°	<input type="checkbox"/> 30°		
				<input type="checkbox"/> 90°	<input type="checkbox"/> 45°		
				<input type="checkbox"/> 60°	<input type="checkbox"/> 30°		
				<input type="checkbox"/> 90°	<input type="checkbox"/> 45°		
				<input type="checkbox"/> 60°	<input type="checkbox"/> 30°		
				<input type="checkbox"/> 90°	<input type="checkbox"/> 45°		
				<input type="checkbox"/> 60°	<input type="checkbox"/> 30°		

- NOTES:**
- OPTION: RAW END**
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

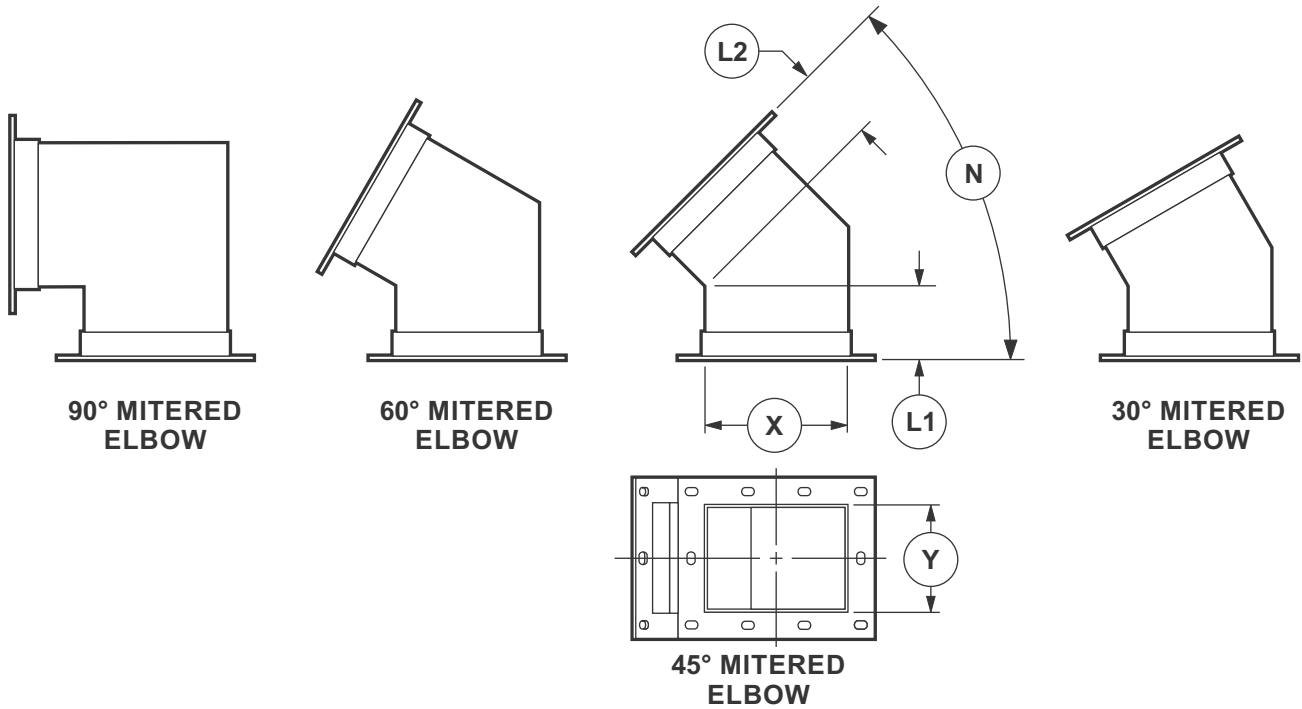
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:

90°, 60°, 45°, 30° or Custom Mitered Elbow



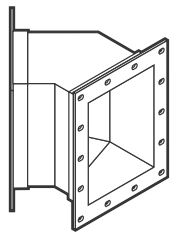
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT LENGTH	-L2- THROAT LENGTH	REMARKS
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				

- NOTES:**
- OPTION:** RAW END
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

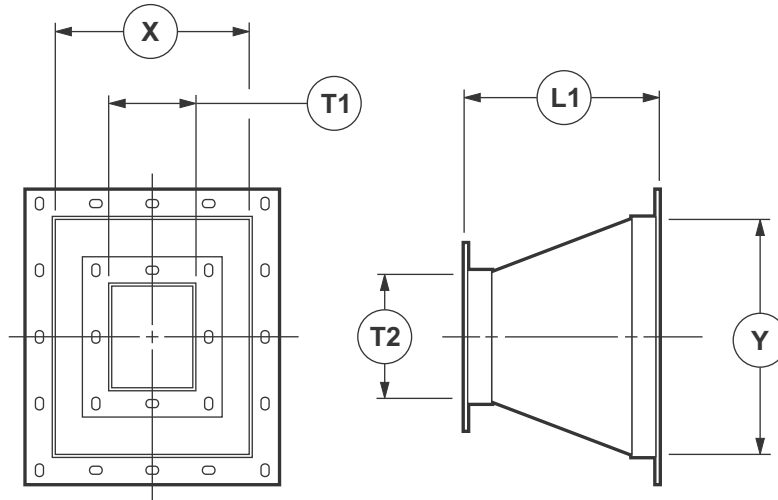
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Concentric Transition



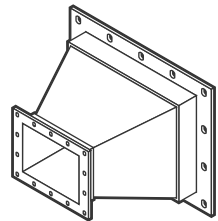
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-T1- TRANSITION WIDTH	-T2- TRANSITION DEPTH	REMARKS

- NOTES:**
- OPTION:** RAW END
 - FOR ECCENTRIC RECTANGULAR TO RECTANGULAR FITTING, USE THE CUSTOM FITTING ORDER SHEET.
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

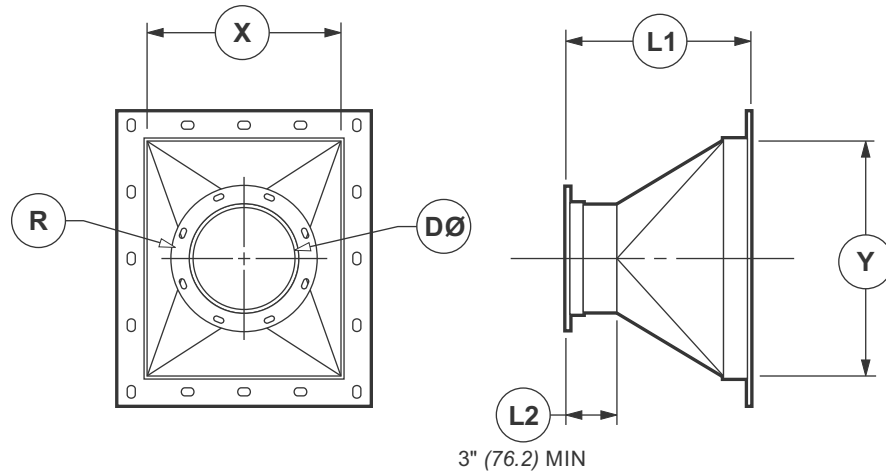
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Concentric Rectangular to Round Transition



FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-DØ- ROUND DIAMETER	-R- RING TYPE	-L2- THROAT LENGTH	REMARKS

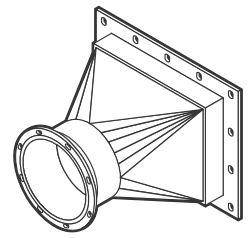
- NOTES:**
- OPTION:** RAW END
 - FOR ECCENTRIC RECTANGULAR TO ROUND FITTING, USE THE CUSTOM FITTING ORDER SHEET.
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

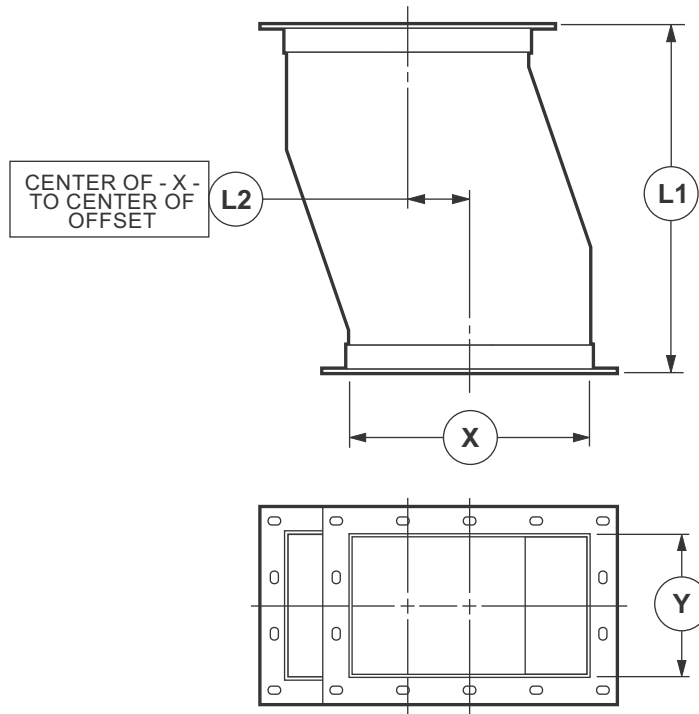
- DUCT JOINT / RING TYPE**
- EZ** EZ CLAMP
4"Ø-14"Ø (101.6 - 355.6)
 - SC** STAINLESS CAST RING
4"Ø-14"Ø (101.6 - 355.6)
 - BI** BLACK IRON ANGLE RING
16"Ø-120"Ø (406.4 - 3048.0)
 - SS** STAINLESS ANGLE RING
16"Ø-120"Ø (406.4 - 3048.0)

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:





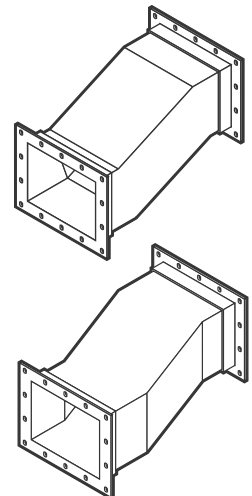
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-L2- OFFSET	REMARKS

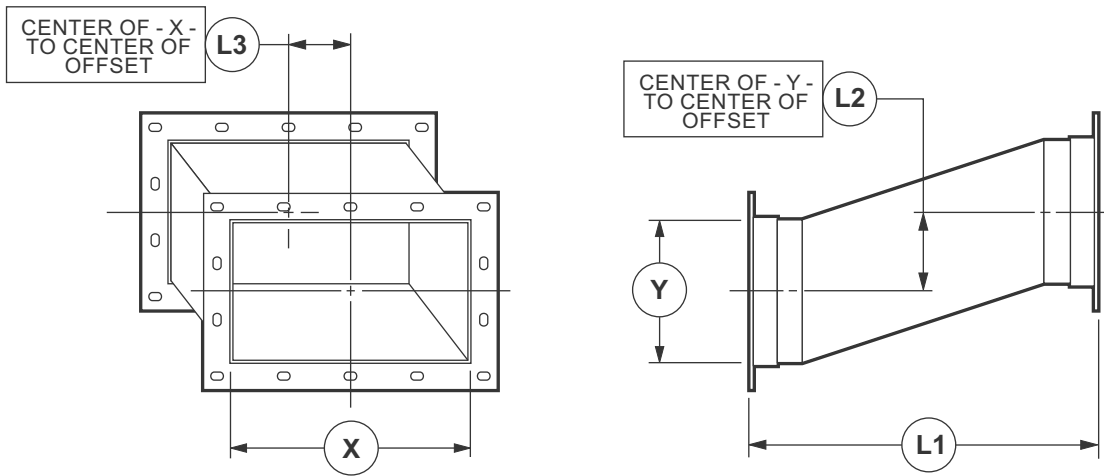
- NOTES:**
- OPTION:** RAW END
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



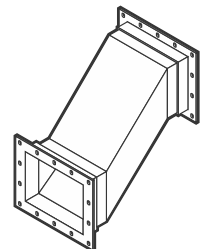


FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-L2- VERTICAL OFFSET	-L3- HORIZONTAL OFFSET	REMARKS

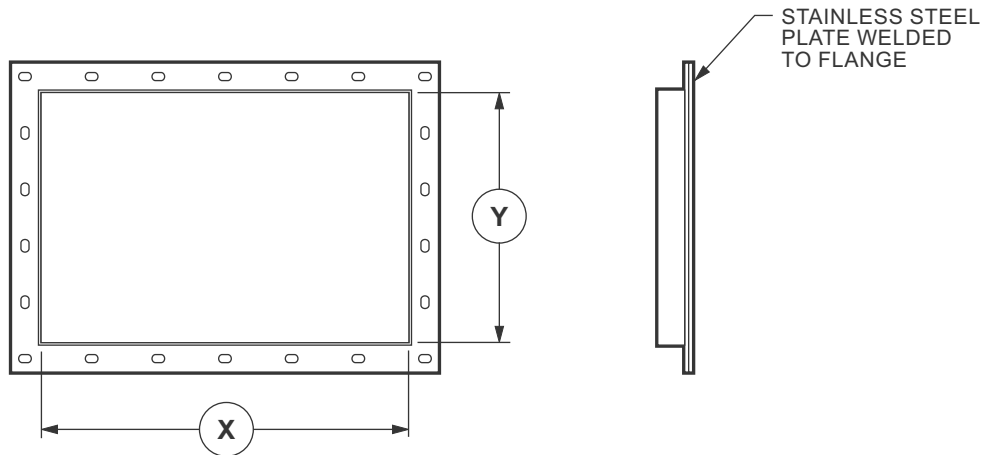
- NOTES:**
- OPTION: RAW END**
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:



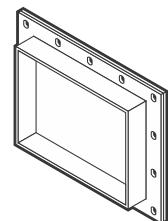
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	FITTING THAT END CAP WILL BE ATTACHED TO: DUCT FITTING NUMBER	REMARKS

- NOTES:**
- FLANGE MATERIAL WILL BE STAINLESS STEEL UNLESS OTHER MATERIAL IS SPECIFIED.
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (ANGLE MATERIAL MATCHING THE FRAME) IS ADDED AT THE FLANGE MIDPOINT OR WHERE AESTHETICALLY PLEASING FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER (AS REQUIRED TO MEET MAXIMUM 4" (101.6) HOLE SPACING).
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Grid area for drawing or notes.

FITTING NUMBER	QTY	REMARKS

- NOTES:**
1. DUCT WIDTH OR DEPTH OF 98" (*2489.2mm*) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 2. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (*1270.0*) AND GREATER.
 3. GREATER THAN STANDARD DUCT LENGTHS AND/OR HIGHER SYSTEM PRESSURES MAY REQUIRE ADDITIONAL STIFFENERS PER SMACNA, CONTACT FTI FOR SPECS.
 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:

ACTUATOR TYPE:

DAMPER SIZE: _____

- Pneumatic Available Air Pressure _____
- Electric Voltage _____

- Spring Return Fail Open
- Fail Closed

- Double Acting

- Limit Switch 1 Switch
- 2 Switch

- Feedback Potentiometer
- Positioner _____
- Position Indicator
- Manual Override Gearbox
- Solenoid Valves

RECOMMENDED MINIMUM OPEN/CLOSE TORQUE (inch pounds)	
ISOLATION DAMPER	
SIZE	TORQUE
Ø4" (101.6) - Ø14" (355.6)	250 (28.25 Nm)
Ø16" (406.4) - Ø48" (1219.2)	1000 (112.98 Nm)
Ø50" (1270.0) AND LARGER	1600 (180.78 Nm)
RECTANGULAR DAMPER	
LONGEST SIDE UP TO 48" (1219.2)	1000 (112.98 Nm)

CUSTOMER SELECTED:

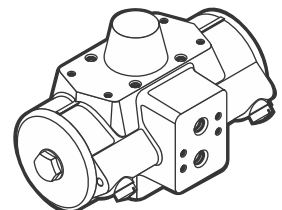
Preferred Actuator - Make and Model Number: _____

Accessory Part Number: _____

NOTES: 1. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

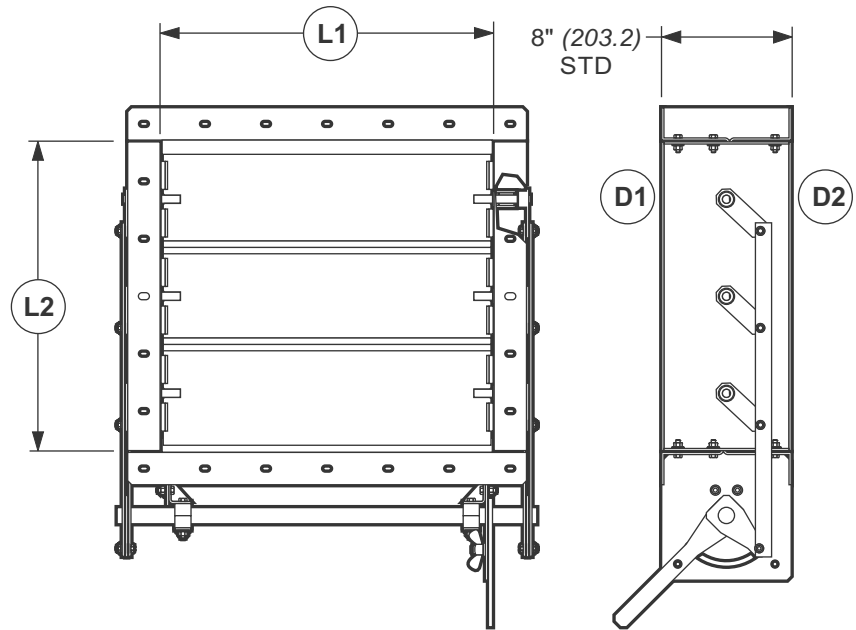


COMPANY / JOB REFERENCE:

Industrial Rectangular Parallel Blade Control Damper

SPECIFICATIONS

- ▶ FRAME 8" (203.2) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ▶ MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ▶ BLADES - 10 GA (3.43) STAINLESS STEEL
- ▶ AXLES - .50" (12.7) DIAMETER STAINLESS STEEL
- ▶ LIQUID TIGHT SHAFT SEALS
- ▶ LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ▶ QUADRANT PLATES - 10 GA (3.43) STAINLESS STEEL
- ▶ QUADRANT LEVER - .25" (6.35) STAINLESS STEEL
- ▶ FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS



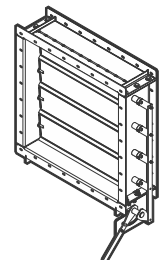
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	-D1- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	-D2- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	REMARKS

- NOTES:**
1. **OPTION:** ACTUATOR MOUNTING KITS
 2. **OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **OPTION:** GEAR DRIVE WITH LOCKING DAMPER SHAFT
 5. IF L1 OR L2 ARE LARGER THAN 36" (914.4), A HEAVY DUTY DAMPER IS REQUIRED.
 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

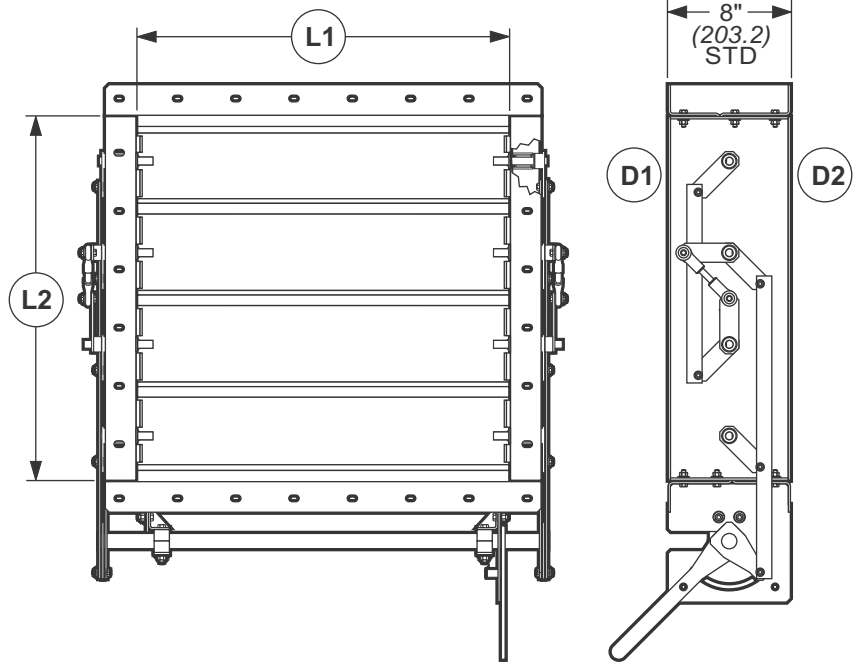
COMPANY / JOB REFERENCE:



Industrial Rectangular Opposed Blade Control Damper

SPECIFICATIONS

- ▶ FRAME 8" (203.2) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ▶ MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ▶ BLADES - 10 GA (3.43) STAINLESS STEEL
- ▶ AXLES - .50" (12.7) DIAMETER STAINLESS STEEL
- ▶ LIQUID TIGHT SHAFT SEALS
- ▶ LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ▶ QUADRANT PLATES - 10 GA (3.43) STAINLESS STEEL
- ▶ QUADRANT LEVER - .25" (6.35) STAINLESS STEEL
- ▶ FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS



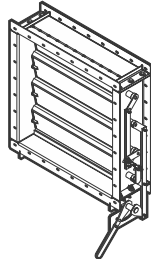
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	-D1- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	-D2- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	REMARKS

- NOTES:**
- OPTION:** ACTUATOR MOUNTING KITS
 - OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 - OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 - OPTION:** GEAR DRIVE WITH LOCKING DAMPER SHAFT
 - IF L1 OR L2 ARE LARGER THAN 36" (914.4), A HEAVY DUTY DAMPER IS REQUIRED.
 - ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

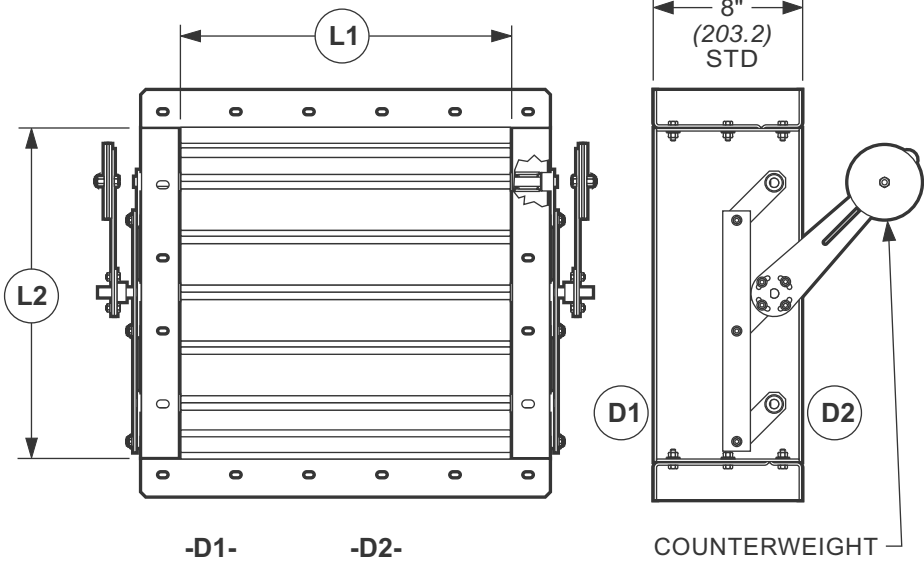
COMPANY / JOB REFERENCE:



Industrial Rectangular Backdraft Damper

SPECIFICATIONS

- ▶ 10 GA (3.43) STAINLESS STEEL FRAME, 8" (203.2) STD LENGTH WITH 2" (50.8) FLANGES, CENTER SUPPORT AS REQUIRED
- ▶ FLANGE MOUNTING HOLES [.562" (14.27) X .750" (19.05) SLOT] EQUAL TO OR LESS THAN 4" (101.6) ON CENTER
- ▶ 14 GA (1.91) STAINLESS STEEL BLADES
- ▶ .50" (12.7) DIAMETER STAINLESS STEEL AXLES
- ▶ LIQUID TIGHT SHAFT SEALS
- ▶ ALL LINKAGES 10 GA (3.43) STAINLESS STEEL OUTSIDE AIRSTREAM
- ▶ MANUAL ADJUSTABLE COUNTERWEIGHTS
- ▶ PTFE FRAME SEALS

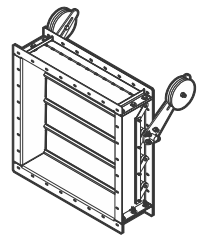


FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	-D1- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	-D2- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	REMARKS

NOTES: 1. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.
 2. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

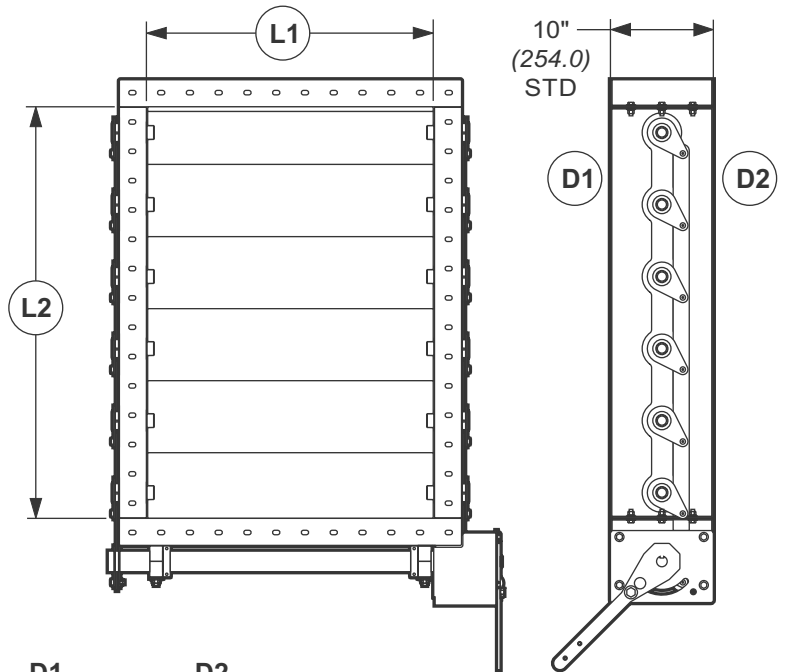


COMPANY / JOB REFERENCE:

Heavy Duty Rectangular Parallel Blade Control Damper

SPECIFICATIONS

- ▶ FRAME 10" (254.0) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ▶ MOUNTING HOLES [.562" (14.27) x .750" (19.05) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ▶ BLADES - 10 GA (3.43) STAINLESS STEEL
- ▶ AXLES - 1.38" (35.05) DIAMETER STAINLESS STEEL
- ▶ LIQUID TIGHT SHAFT SEALS
- ▶ LINKAGES LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.43) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ▶ QUADRANT PLATES - 10 GA (3.43) STAINLESS STEEL
- ▶ QUADRANT LEVER - .25" (6.35) STAINLESS STEEL
- ▶ FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS

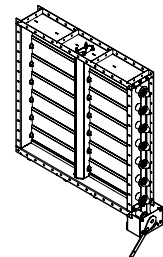


FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	-D1- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	-D2- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	REMARKS

- NOTES:**
1. **OPTION:** ACTUATOR MOUNTING KITS
 2. **OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **OPTION:** GEAR DRIVE WITH LOCKING DAMPER SHAFT
 5. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.
 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

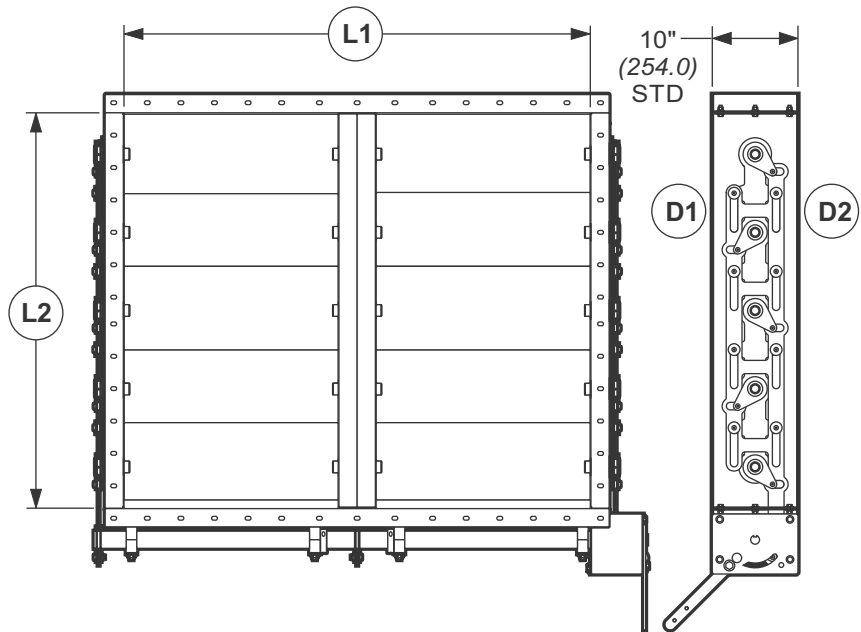


COMPANY / JOB REFERENCE:

Heavy Duty Rectangular Opposed Blade Control Damper

SPECIFICATIONS

- ▶ FRAME 10" (254.0) STANDARD LENGTH WITH 2" (50.8) FLANGES
- ▶ MOUNTING HOLES [.562" (14.3) x .750" (19.1) SLOT] LOCATED BETWEEN 3" (76.2) TO 4" (101.6) ON CENTER
- ▶ BLADES - 10 GA (3.57) STAINLESS STEEL
- ▶ AXLES - 1.38" (34.9) DIAMETER STAINLESS STEEL
- ▶ LIQUID TIGHT SHAFT SEALS
- ▶ LINKAGE LOCATED OUTSIDE THE AIRSTREAM - 10 GA (3.57) STAINLESS STEEL TWIN DRIVE AS REQUIRED
- ▶ QUADRANT PLATES - 10 GA (3.57) STAINLESS STEEL
- ▶ QUADRANT LEVER - .25" (6.35) STAINLESS STEEL
- ▶ FULL OPEN / FULL CLOSE LOCKOUTS
- ▶ PTFE FRAME SEALS

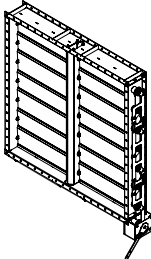


FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	-D1- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	-D2- FLANGE PATTERN OR FITTING # CONNECTED TO FLANGE	REMARKS

- NOTES:**
1. **OPTION:** ACTUATOR MOUNTING KITS
 2. **OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **OPTION:** GEAR DRIVE WITH LOCKING DAMPER SHAFT
 5. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WITH LINKAGE IS REQUIRED.
 6. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

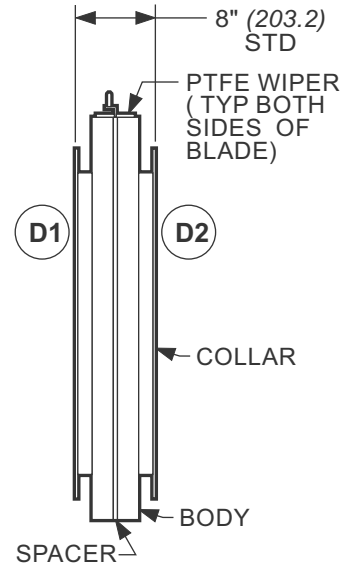
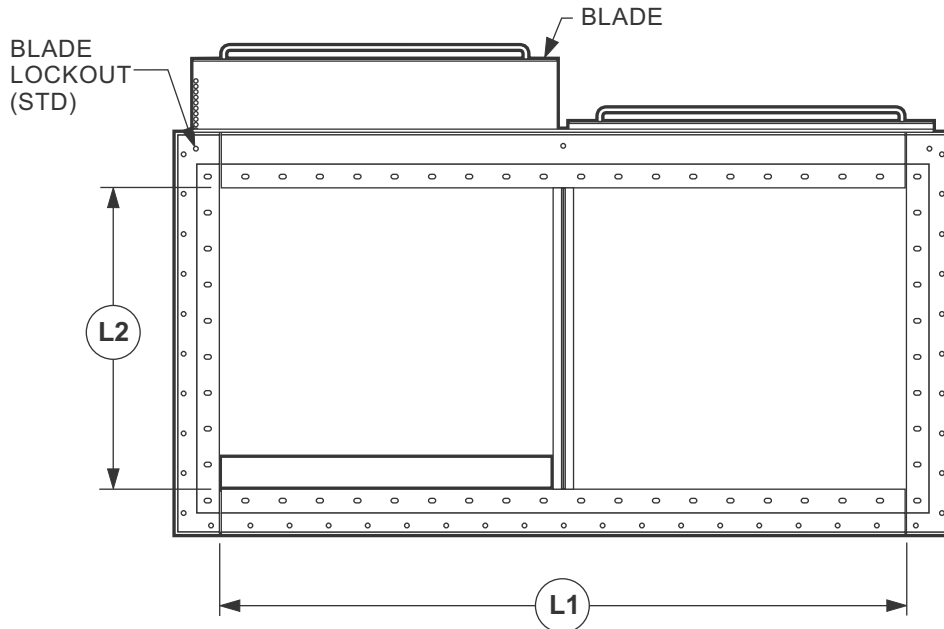
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:

Horizontal Blastgate



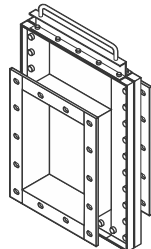
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- NOTES:**
- 1. STAINLESS STEEL BODY, RINGS AND BLADES.
 - 2. BLADE LOCKOUT SYSTEM INCLUDED.
 - 3. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT IS REQUIRED.
 - 4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

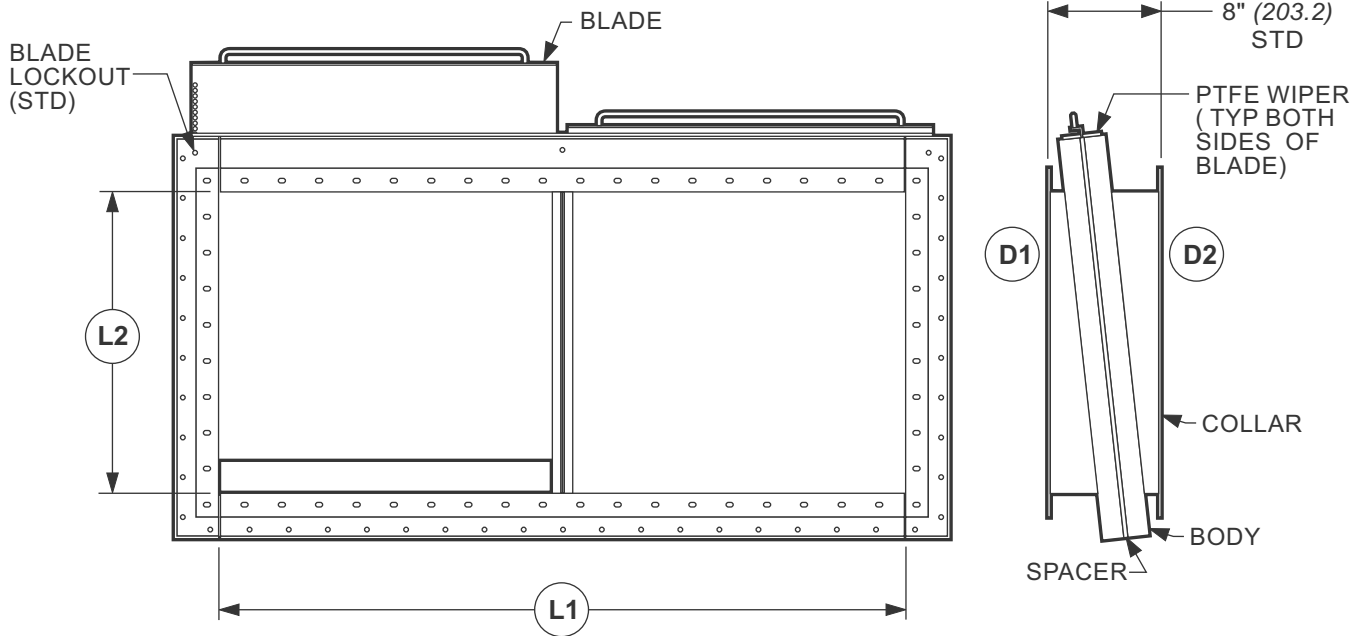
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REMARKS:

COMPANY / JOB REFERENCE:



Vertical Blastgate

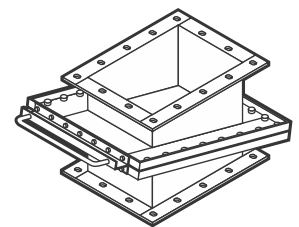


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REMARKS:



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