

**RECTANGULAR DUCT
ORDER COVER SHEET**
Catalog 04/20.6

PermaShield[®]

**Stainless Steel Corrosive
Fume Exhaust System With
PermaShield Fluoropolymer
Barrier Coating**

COMPANY: _____

MAILING ADDRESS: _____

CITY / STATE / ZIP CODE: _____

PROJECT MGR.: _____

PHONE NO.: _____ ORDER DATE: _____

EMAIL: _____ DELIVERY DATE: _____

SHIP TO: _____

STREET / ROAD: _____

CITY / STATE / ZIP CODE: _____

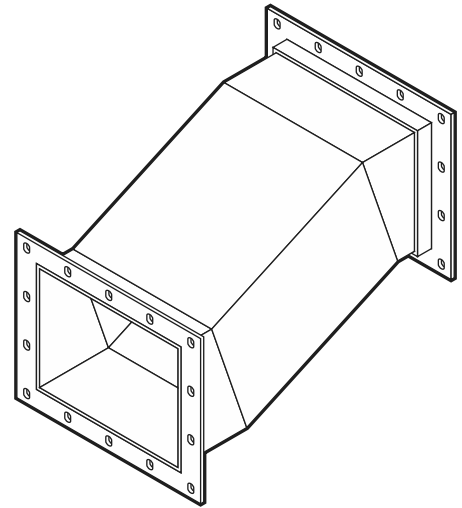
PROJECT NAME.: _____

PHONE NO.: _____

INDICATE SYSTEM PRESSURE CLASS:

- 6" WG (-1.493 kPa) -10" WG (-2.488 kPa) -14" WG (-3.484 kPa) -18" WG (-4.479 kPa)

OTHER: _____



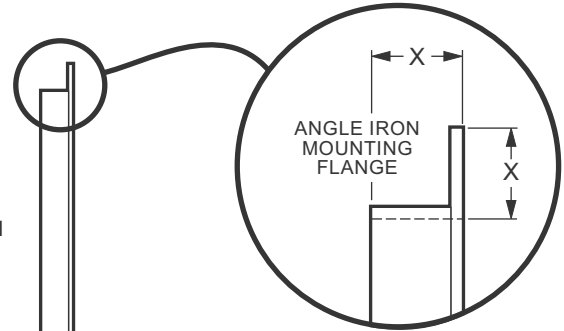
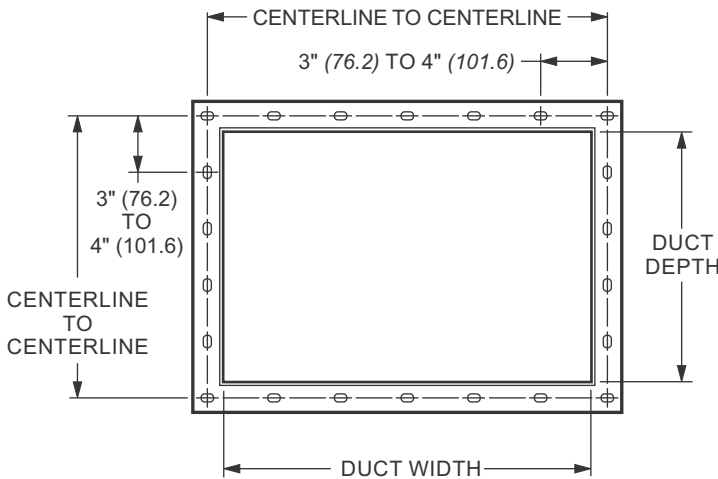
Fab-Tech
An Exyte Group Company

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Tel: 802-655-8800 / Fax: 802-655-8804
Email: info@fabtechinc.com
Web: www.fabtechinc.com

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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 kPa)	PRESSURE CLASS -10" W.G. (-2.488 kPa)	PRESSURE CLASS -14" W.G. (-3.484 kPa)	PRESSURE CLASS -18" W.G. (-4.479 kPa)
	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

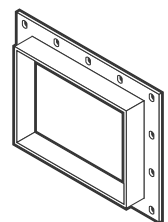
50" (1270.0) - 60" (1524.0)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
62" (1574.8) - 72" (1828.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
74" (1879.6) - 84" (2133.6)	2" (50.8)	2" (50.8)	2" (50.8)	2.5" (63.5)
86" (2184.4) - 96" (2438.4)	2" (50.8)	2" (50.8)	2.5" (63.5)	3.0" (76.2)

- 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:

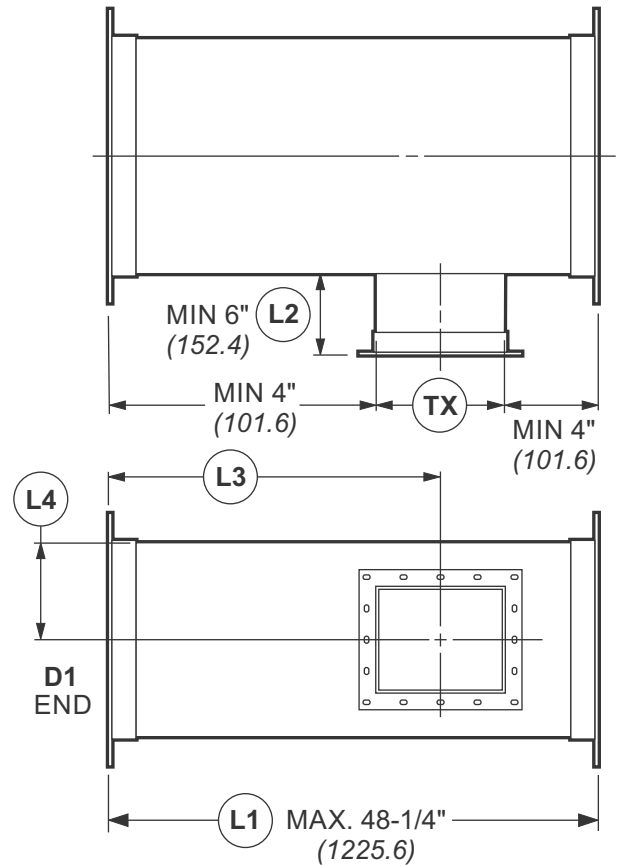
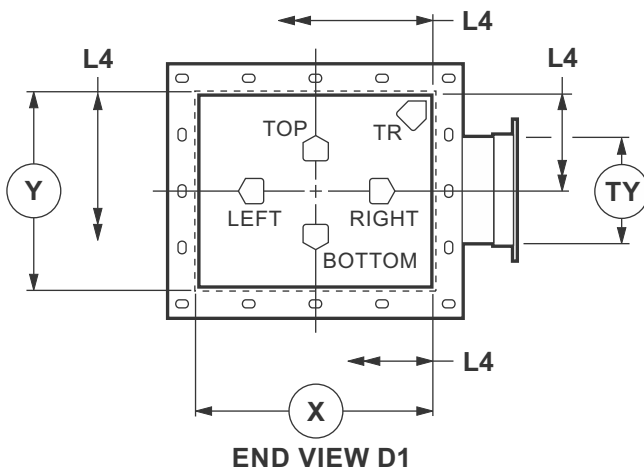
COMPANY / JOB REFERENCE:



Straight Duct with Straight Rectangular Tap

NOTES:

- 1** **OPTION:** CUSTOM LENGTH
- 2** **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



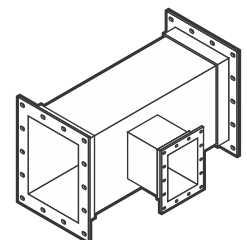
DUCT SPECIFICATIONS				TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR

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:

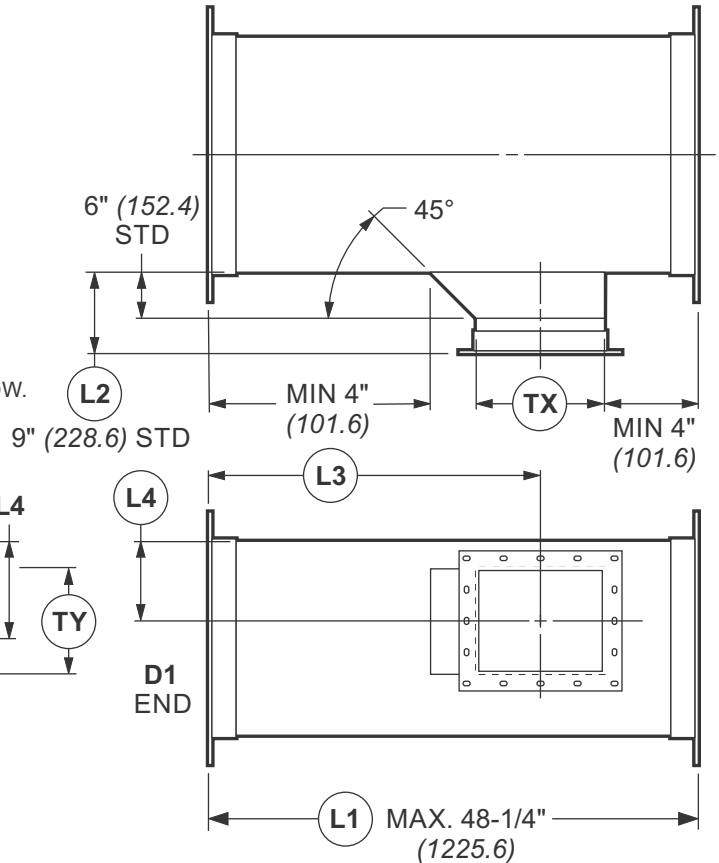
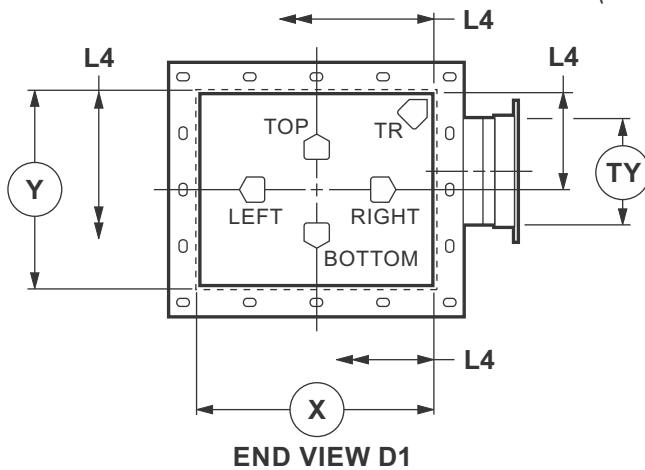
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Boot Tap

NOTES:

1. **1 OPTION:** CUSTOM LENGTH
2. **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



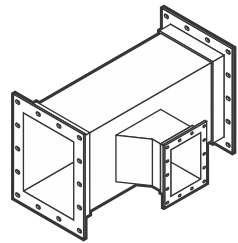
DUCT SPECIFICATIONS				TAP SPECIFICATIONS					
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FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
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METRIC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

REMARKS:

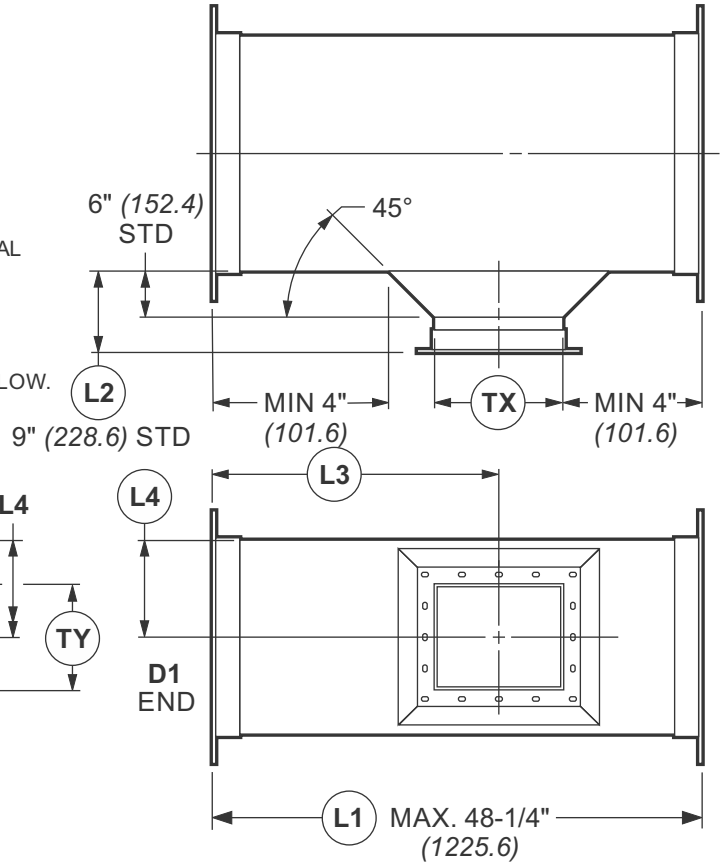
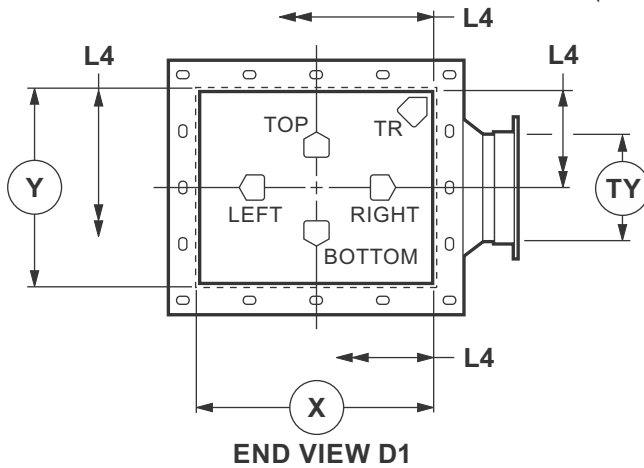
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Conical Tap

NOTES:

1. **1** **OPTION:** CUSTOM LENGTH
2. **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



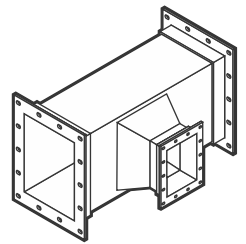
DUCT SPECIFICATIONS				TAP SPECIFICATIONS					
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FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
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METRIC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

REMARKS:

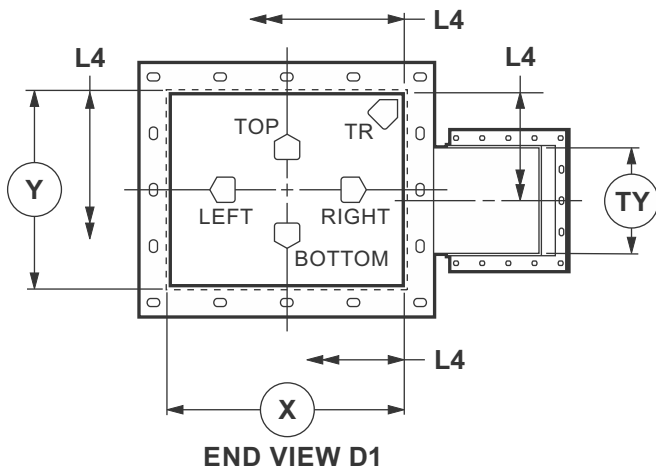
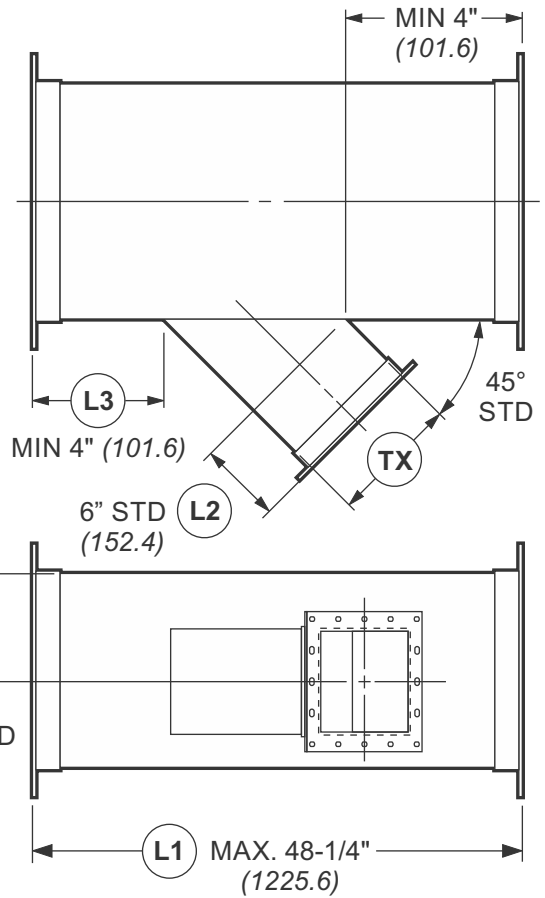
COMPANY / JOB REFERENCE:



Straight Duct with Rectangular Lateral Tap

NOTES:

- 1** **OPTION:** CUSTOM LENGTH
- 2** **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



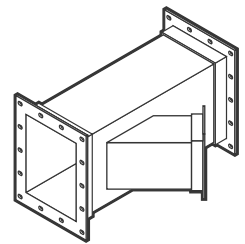
DUCT SPECIFICATIONS				TAP SPECIFICATIONS						
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR

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:

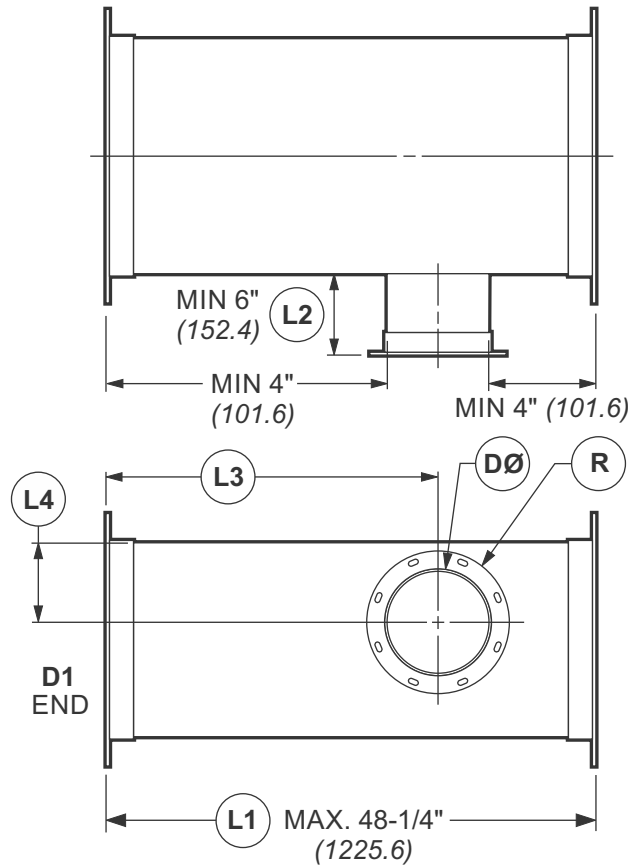
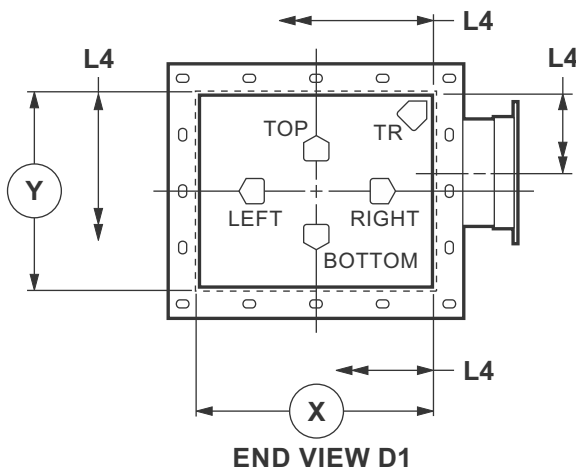
COMPANY / JOB REFERENCE:



Straight Duct with Round Tap

NOTES:

- 1** **OPTION:** CUSTOM LENGTH
- 2** **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

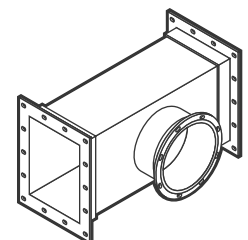


DUCT SPECIFICATIONS					TAP SPECIFICATIONS					
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	*LOCATE TAP	-DØ- TAP DIA.	-R- TAP RING TYPE	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE TAP FROM TR
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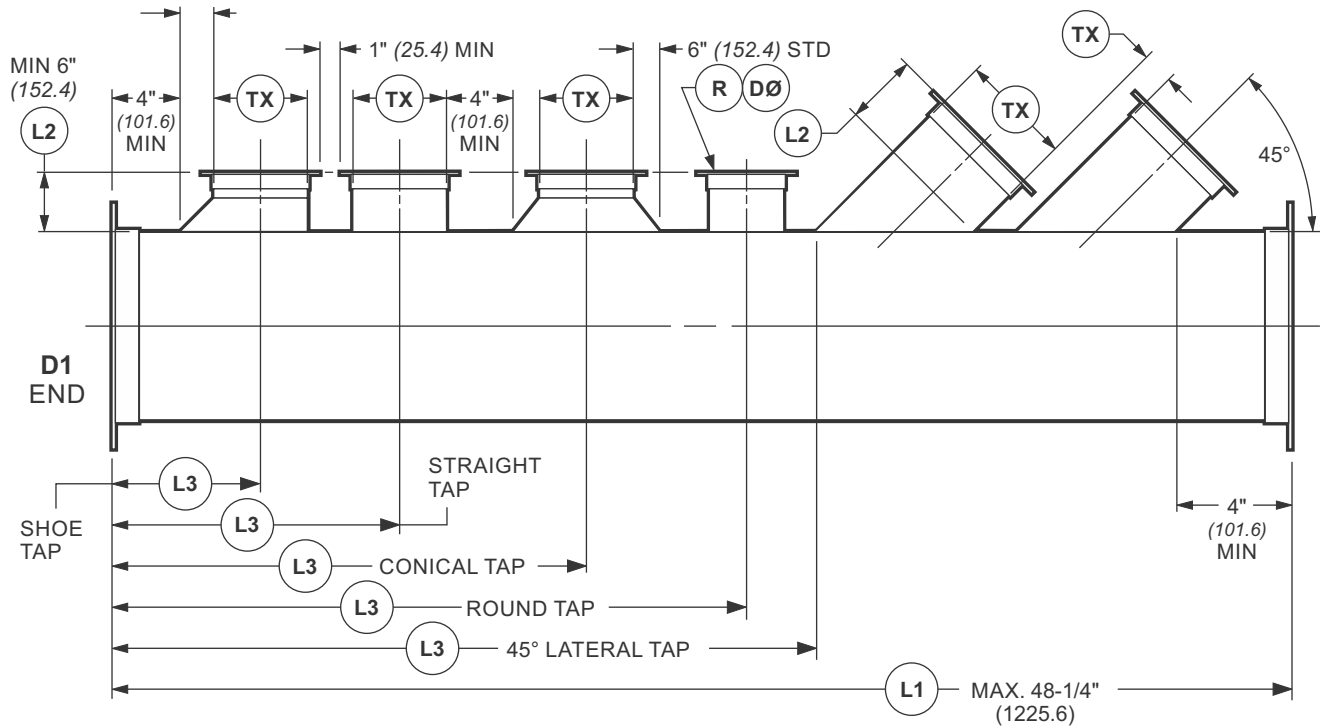
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:

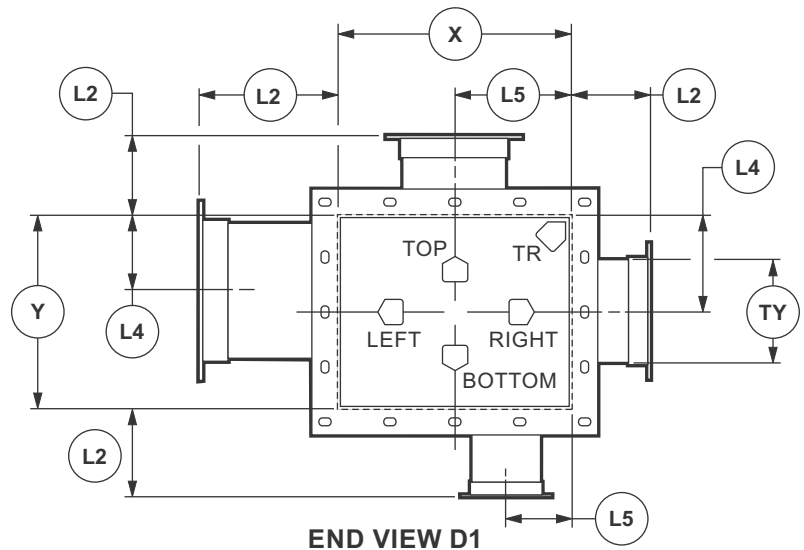


Straight Duct with Multiple Taps Guideline



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
4"Ø-120"Ø (101.6 - 3048.0)
- SS** STAINLESS ANGLE RING
16"Ø-120"Ø (406.4 - 3048.0)

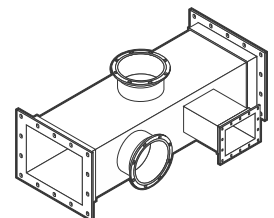


- NOTES:**
1. **1 OPTION:** CUSTOM LENGTH
 2. **2 OPTION:** RAW END
 3. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 4. AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 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

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

TAP SPECIFICATIONS - ONLY USE COLUMNS THAT APPLY FOR THE SPECIFIC TAP SELECTED

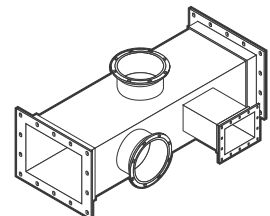
	-TX- TAP WIDTH	-TY- TAP DEPTH	-L2- TAP LENGTH	-L3- LOCATE TAP FROM D1 END	-L4- LOCATE HORIZONTAL TAP FROM TR	-L5- LOCATE VERTICAL TAP FROM TR	"DØ" TAP DIA.	"R" TAP RING TYPE	SPECIFY LOCATION OF TAP
TAP #1	SELECT TAP TYPE: <input type="radio"/> STRAIGHT: <input type="radio"/> BOOT: <input type="radio"/>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

- 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.

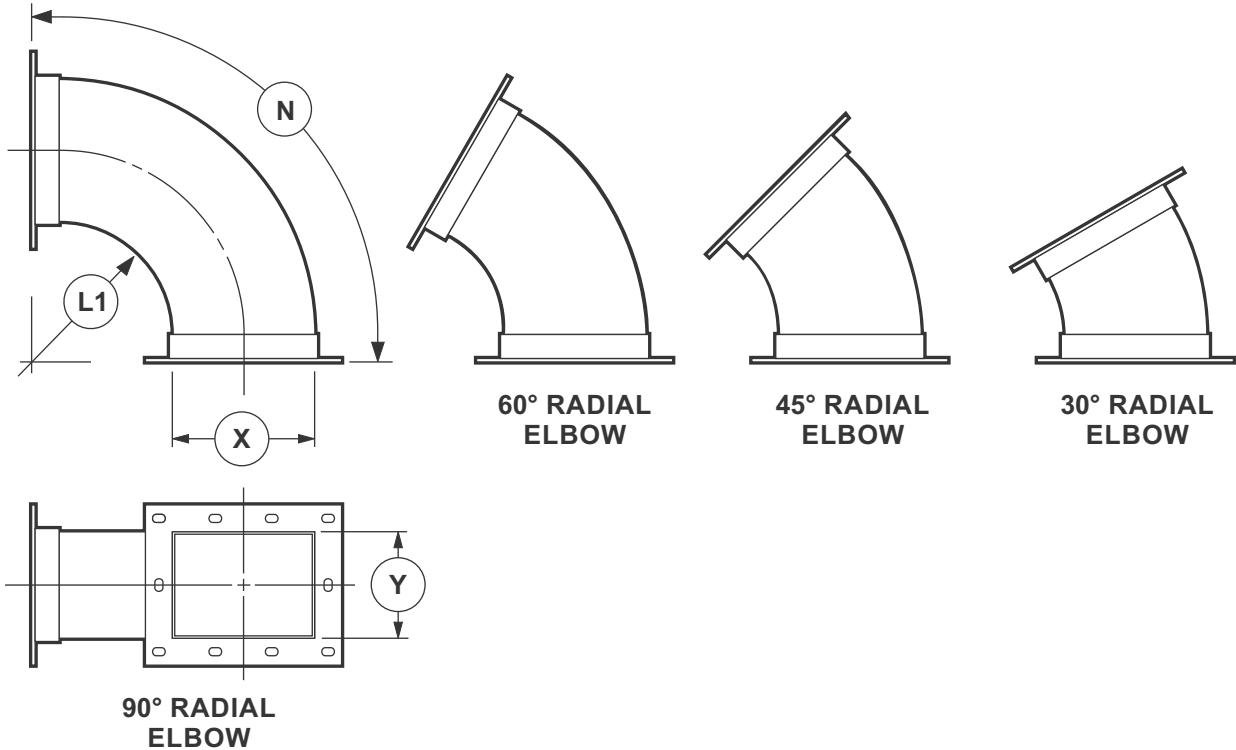
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



90°, 60°, 45°, 30° or Custom Elbow

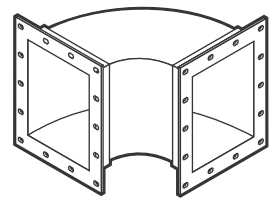


FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT RADIUS	REMARKS
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°			
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°			
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°			
				<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:** 1. **1** **OPTION:** RAW END
2. DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
3. 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.
4. ALL DUCT FITTINGS WITH STANDARD FAB-TECH CONNECTIONS INCLUDE GASKETS AND CLAMPS OR HARDWARE AS REQUIRED FOR INSTALLATION.

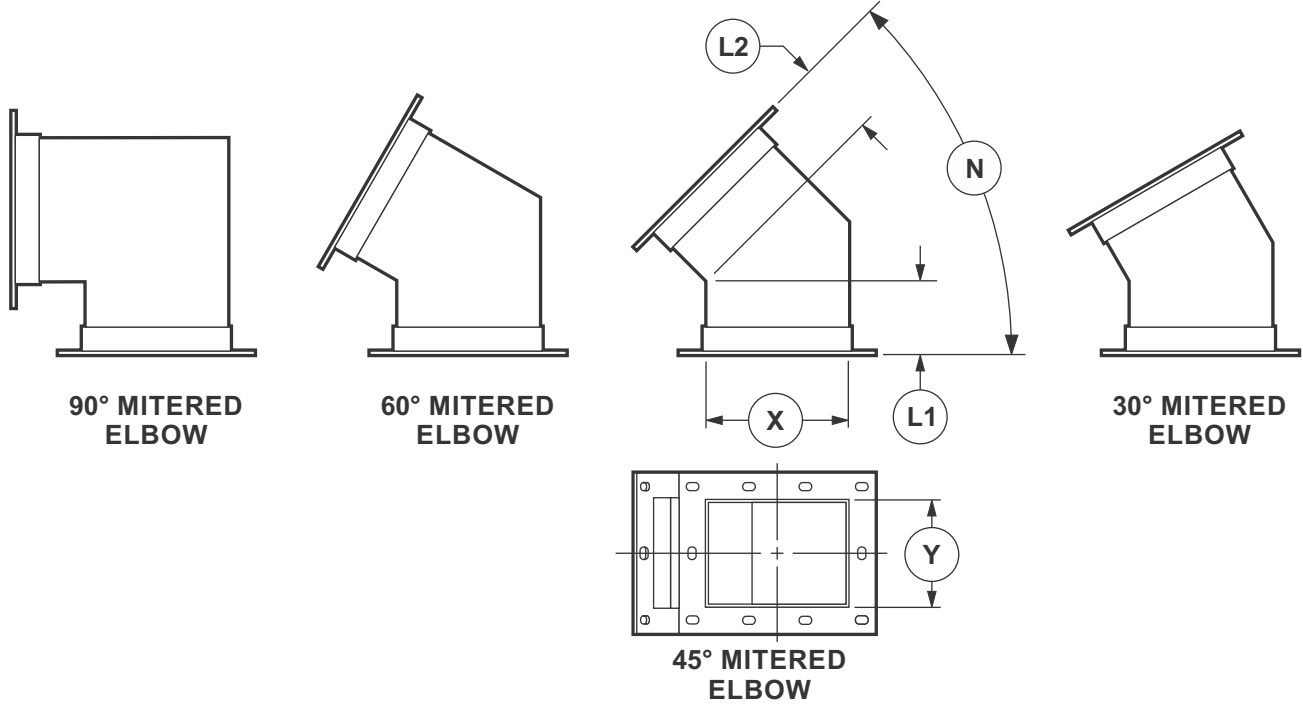
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:



COMPANY / JOB REFERENCE:

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



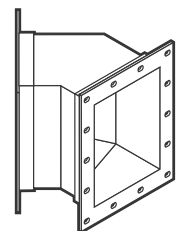
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-N- ELBOW ANGLE	-N- CUSTOM ANGLE	-L1- THROAT LENGTH	-L2- THROAT LENGTH	REMARKS
				<input type="checkbox"/> 90° <input type="checkbox"/> 45°				
				<input type="checkbox"/> 60° <input type="checkbox"/> 30°				
				<input type="checkbox"/> 90° <input type="checkbox"/>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

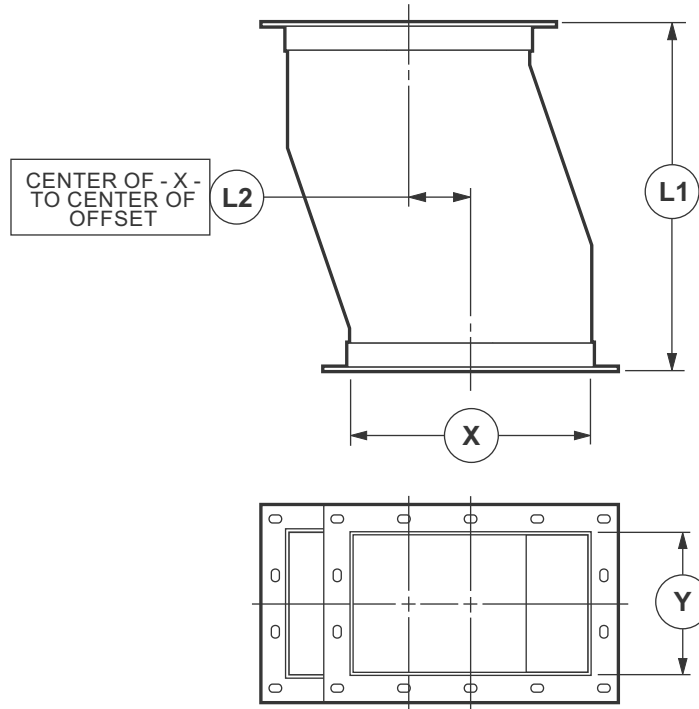
- NOTES:**
- 1** **OPTION:** RAW END
 - DUCT WIDTH OR DEPTH OF 98" (2489.2mm) AND LARGER REQUIRES FAB-TECH ENGINEERING REVIEW AND APPROVAL.
 - AN INTERIOR STIFFENER (1" SCH40 PIPE) IS ADDED AT THE MIDPOINT OF THE FLANGE FOR DUCT WIDTH OR DEPTH OF 50" (1270.0) AND GREATER.
 - ALL DUCT FITTINGS WITH STANDARD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





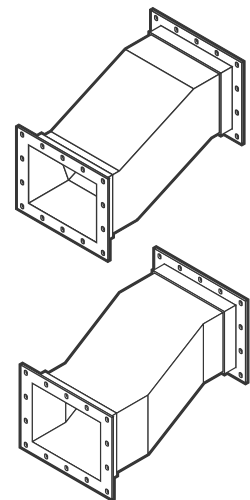
FITTING NUMBER	QTY	-X- DUCT WIDTH	-Y- DUCT DEPTH	-L1- DUCT LENGTH	-L2- OFFSET	REMARKS

- NOTES:**
- 1** **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:



Grid area for drawing or notes.

FITTING NUMBER	QTY	REMARKS
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- 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: _____

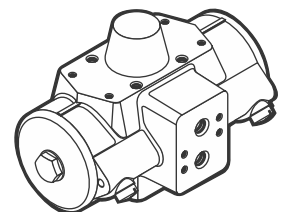
Accessory Part Number: _____

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:

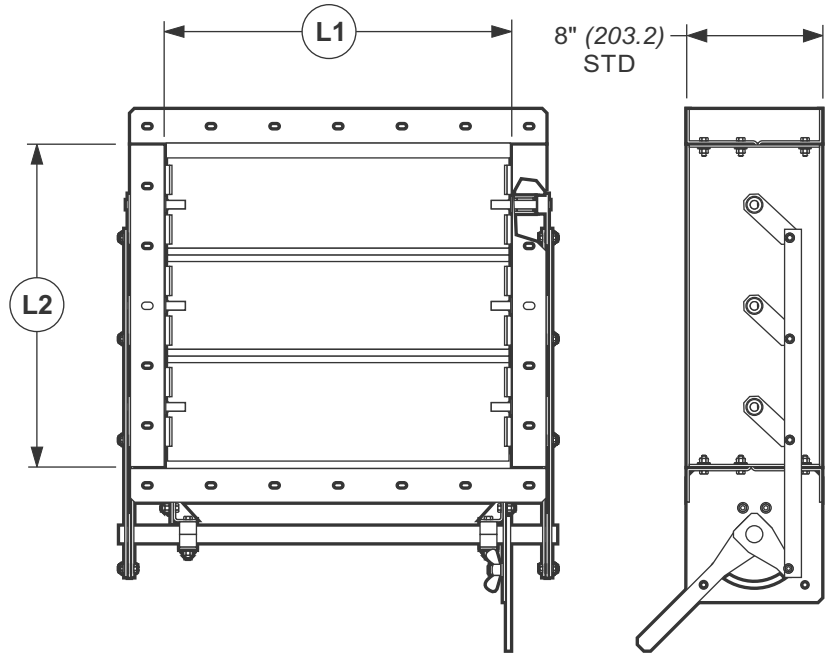
COMPANY / JOB REFERENCE:



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



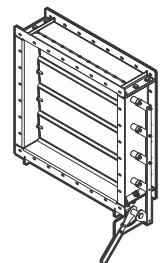
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- NOTES:**
1. **1** **OPTION:** ACTUATOR MOUNTING KITS
 2. **2** **OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **3** **OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **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:

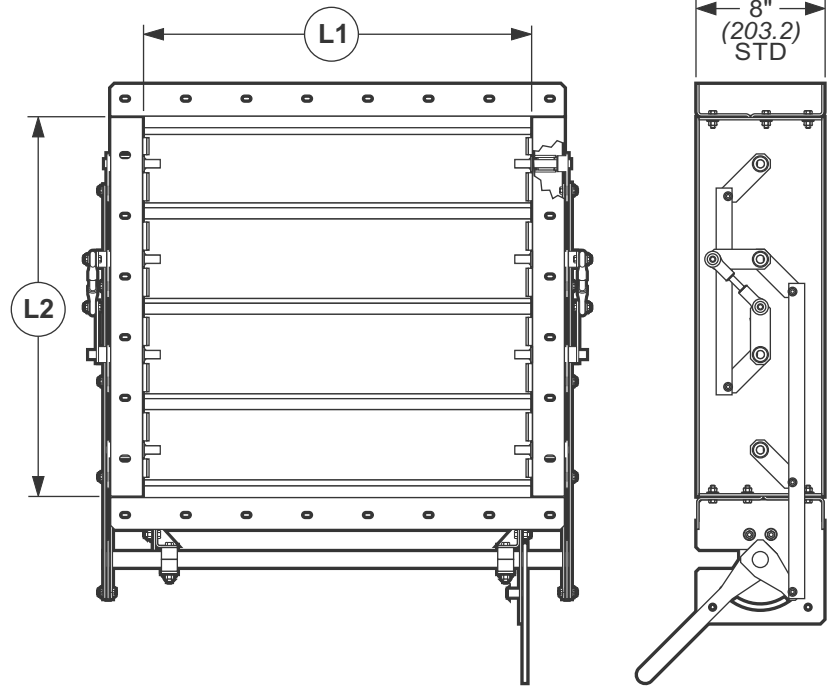
COMPANY / JOB REFERENCE:



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



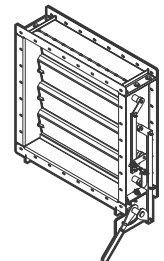
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- NOTES:**
1. **1** **OPTION:** ACTUATOR MOUNTING KITS
 2. **2** **OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **3** **OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **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:

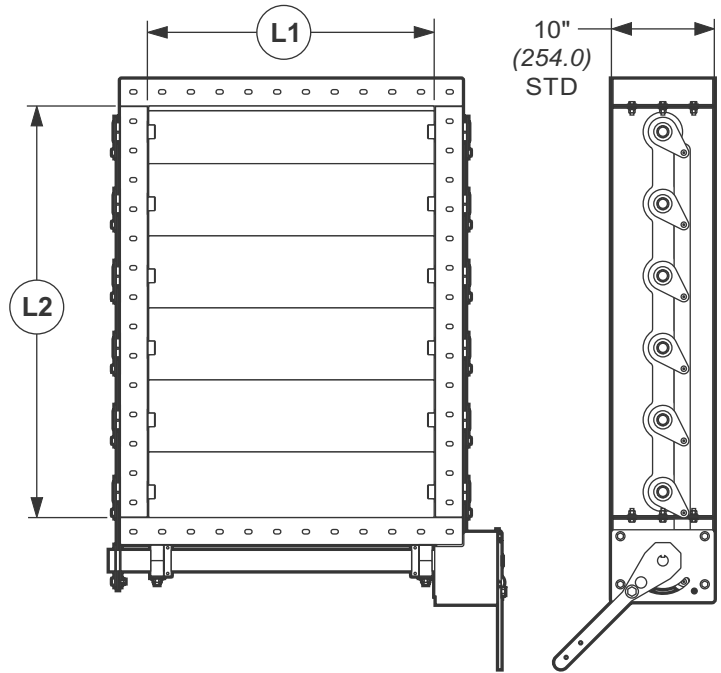
COMPANY / JOB REFERENCE:



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



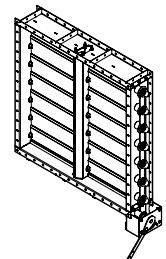
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- NOTES:**
1. **1 OPTION:** ACTUATOR MOUNTING KITS
 2. **2 OPTION:** BLANK MOUNTING KIT (PLATE & SHAFT ADAPTER) FOR CUSTOMER SUPPLIED ACTUATOR.
 3. **3 OPTION:** PNEUMATIC / ELECTRIC ACTUATOR
 4. **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:

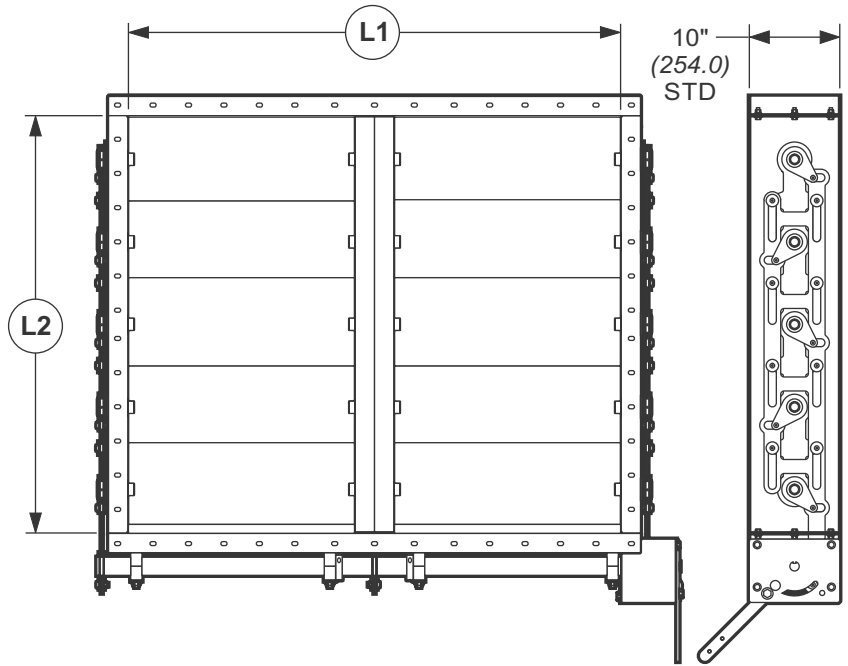
COMPANY / JOB REFERENCE:



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



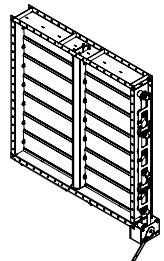
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- 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.

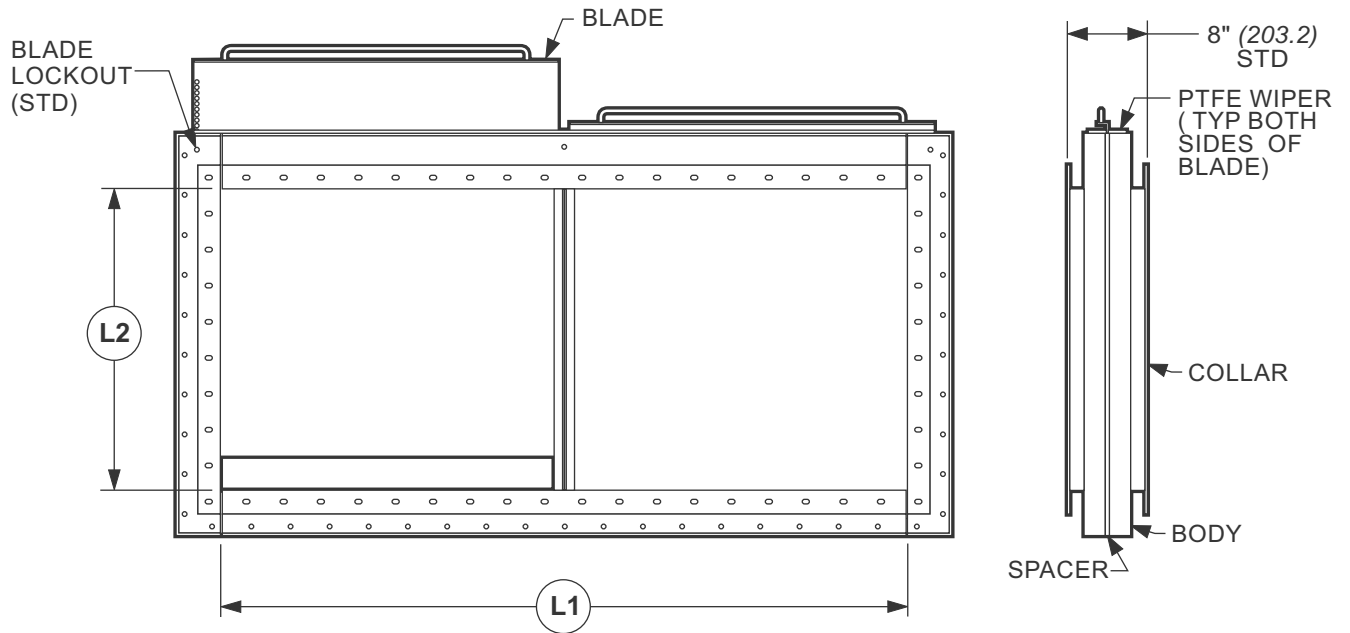
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Horizontal Blastgate



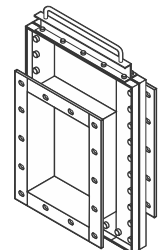
FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- 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.

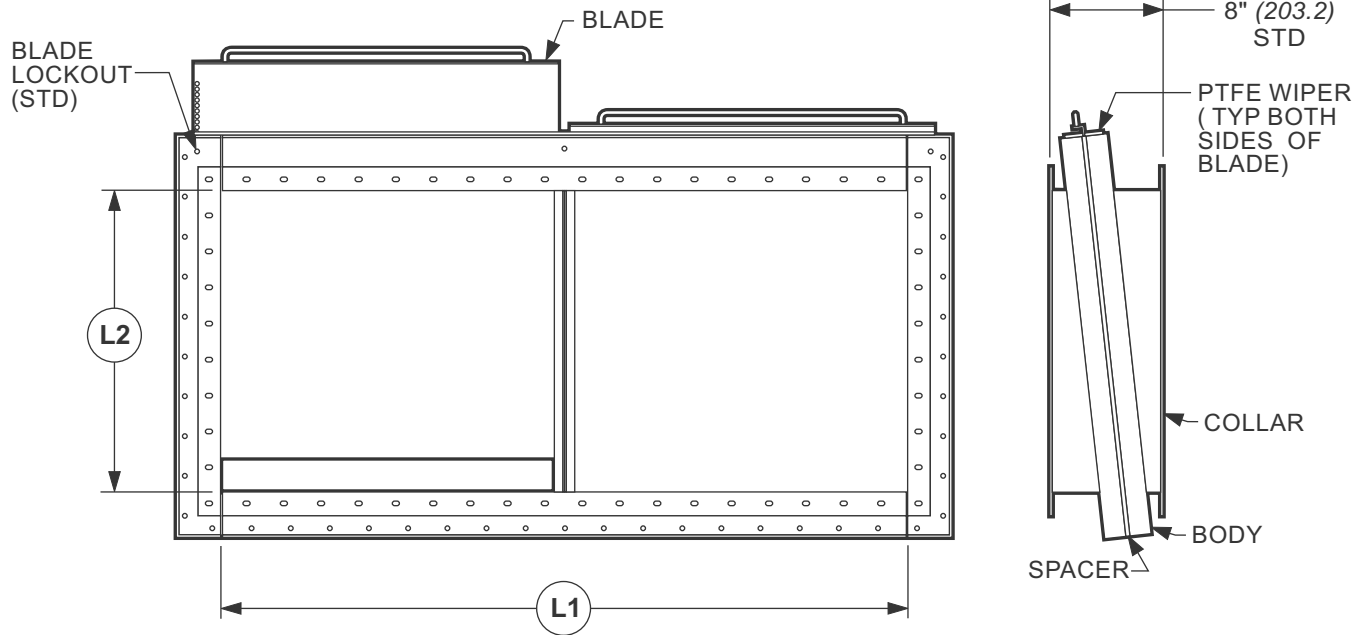
METRIC EQUIVALENTS ARE SHOWN IN PARENTHESIS & ITALICS (MILLIMETERS OR AS NOTED)

REMARKS:

COMPANY / JOB REFERENCE:



Vertical Blastgate



FITTING NUMBER	QTY	-L1- DUCT WIDTH	-L2- DUCT DEPTH	REMARKS

- NOTES:**
1. STAINLESS STEEL BODY, RINGS AND BLADES.
 2. BLADE LOCKOUT SYSTEM.
 3. FOR BLADES LONGER THAN 36" (914.4) AS DETERMINED BY THE LENGTH OF "L1", A CENTER SUPPORT WILL BE REQUIRED.
 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:

