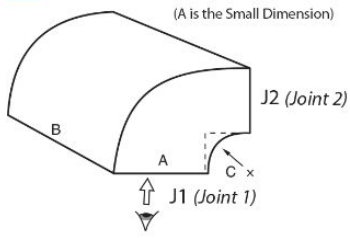


CUSTOM FITTINGS Order Form

Company Name: _____ P.O.#: _____ Name: _____
 Phone: _____ Email: _____ Fax: _____
 Date: _____ Required Date: _____

1 STACK ELBOW 90° 45°



VARIATION1: DL 1/2" 1"

Gauge _____ Qty _____

ST90 _____ X _____ with _____ Rd Thr
 A B C

OR _____ X _____ Sq Thr
 C C

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

VARIATION2: DL 1/2" 1"

Gauge _____ Qty _____

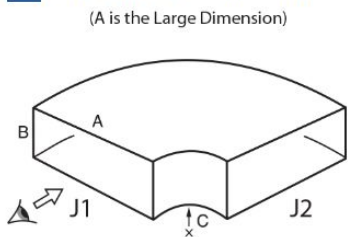
ST90 _____ X _____ with _____ Rd Thr
 A B C

OR _____ X _____ Sq Thr
 C C

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

2 SIDE ANGLE 90° 45°



VARIATION1: DL 1/2" 1"

Gauge _____ Qty _____

SD 90 _____ X _____ with _____ Rd Thr
 A B C

OR _____ X _____ Sq Thr
 C C

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

VARIATION2: DL 1/2" 1"

Gauge _____ Qty _____

SD 90 _____ X _____ with _____ Rd Thr
 A B C

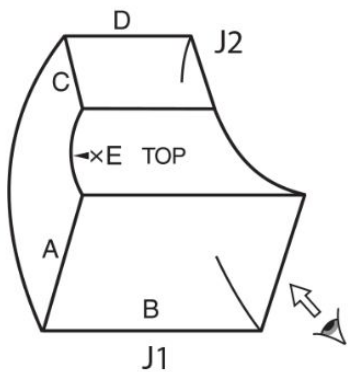
OR _____ X _____ Sq Thr
 C C

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

D) TURNING VANE OPTION

3 STACK ELBOW 90° 45° REDUCING



VARIATION1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Turning Up Turning Down
 FRS FLS O/C SQ HEEL

ST90 _____ X _____ to _____ X _____
 A B C D

with _____ Rd Thr OR _____ X _____ Sq Thr
 E E E

ENDS J1 _____ J2 _____

VARIATION2: DL 1/2" 1"

Gauge _____ Qty _____

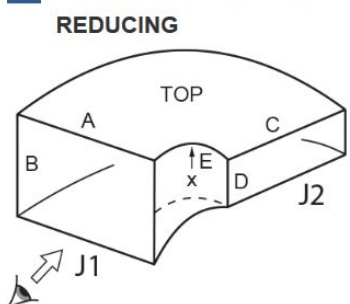
Indicate: Turning Up Turning Down
 FRS FLS O/C SQ HEEL

ST90 _____ X _____ to _____ X _____
 A B C D

with _____ Rd Thr OR _____ X _____ Sq Thr
 E E E

ENDS J1 _____ J2 _____

4 SIDE ANGLE 90° 45° REDUCING



VARIATION1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Turning Left Turning Right
 FOT FOB O/C SQ HEEL

SD90 _____ X _____ to _____ X _____
 A B C D

with _____ Rd Thr OR _____ X _____ Sq Thr
 E E E

ENDS J1 _____ J2 _____

VARIATION2: DL 1/2" 1"

Gauge _____ Qty _____

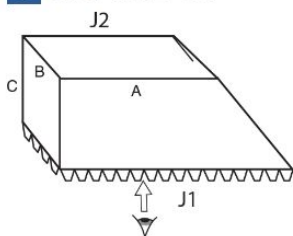
Indicate: Turning Left Turning Right
 FOT FOB O/C SQ HEEL

SD90 _____ X _____ to _____ X _____
 A B C D

with _____ Rd Thr OR _____ X _____ Sq Thr
 E E E

ENDS J1 _____ J2 _____

5 SIDE TAKE-OFF



VARIATION1: DL 1/2" 1"

Gauge _____ Qty _____

STO _____ X _____ Long
 A B C

Splitter Damper PR Damper

ENDS J1 _____ J2 _____

VARIATION2: DL 1/2" 1"

Gauge _____ Qty _____

STO _____ X _____ Long
 A B C

Splitter Damper PR Damper

ENDS J1 _____ J2 _____

VARIATION3: DL 1/2" 1"

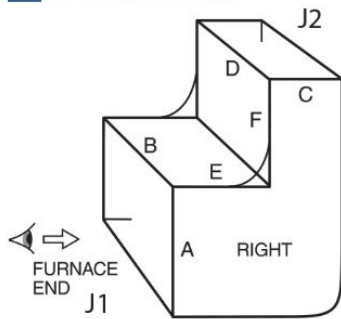
Gauge _____ Qty _____

STO _____ X _____ Long
 A B C

Splitter Damper PR Damper

ENDS J1 _____ J2 _____

6 RETURN AIR BOOT



TURNING VANE OPTION

VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Only if B & D different: FLS FRS

O/C

RAB $\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ $\frac{X}{D}$ O/C

with $\frac{X}{E}$ $\frac{X}{F}$ SQ THR, or $\frac{X}{C}$ RD

OR $\frac{X}{C}$ $\frac{X}{C}$ Sq Thr

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Only if B & D different: FLS FRS

O/C

RAB $\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ $\frac{X}{D}$ O/C

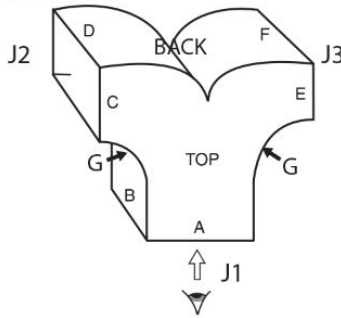
with $\frac{X}{E}$ $\frac{X}{F}$ SQ THR, or $\frac{X}{C}$ RD

OR $\frac{X}{C}$ $\frac{X}{C}$ Sq Thr

RAD HEEL SQ HEEL

ENDS J1 _____ J2 _____

7 3 WAY



EVEN BACK UNEVEN BACK

VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B is different from D OR F:

FOT FOB O/C

$\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ Left $\frac{X}{D}$ to $\frac{X}{E}$ Right $\frac{X}{F}$

with $\frac{X}{G}$ Rd Thr OR $\frac{X}{G}$ $\frac{X}{G}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____ J3 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B is different from D OR F:

FOT FOB O/C

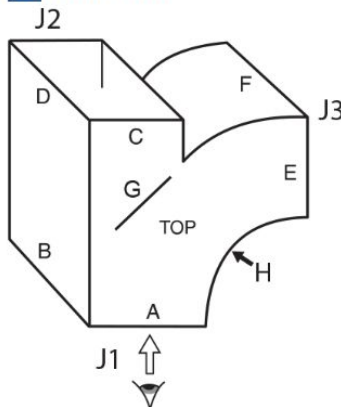
$\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ Left $\frac{X}{D}$ to $\frac{X}{E}$ Right $\frac{X}{F}$

with $\frac{X}{G}$ Rd Thr OR $\frac{X}{G}$ $\frac{X}{G}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____ J3 _____

8 Y-BRANCH



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B is different from D OR F:

FOT FOB O/C

$\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ Straight $\frac{X}{D}$ to $\frac{X}{E}$ Right $\frac{X}{F}$

with $\frac{X}{H}$ Rd Thr OR $\frac{X}{H}$ $\frac{X}{H}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____ J3 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B is different from D OR F:

FOT FOB O/C

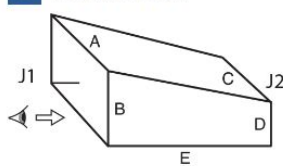
$\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ Straight $\frac{X}{D}$ to $\frac{X}{E}$ Right $\frac{X}{F}$

with $\frac{X}{H}$ Rd Thr OR $\frac{X}{H}$ $\frac{X}{H}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____ J3 _____

9 TRANSITION



DL 1/2" 1"

Gauge _____ Qty _____

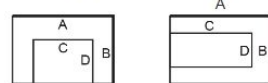
Trans $\frac{X}{A}$ $\frac{X}{B}$

to $\frac{X}{C}$ $\frac{X}{D}$ $\frac{X}{E}$ Long

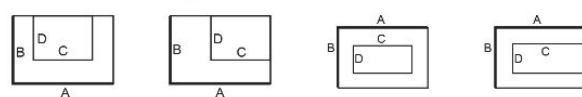
ENDS J1 _____ J2 _____

Only if B and D are different AND A and C are different, check one of the following: (If not see Reducer)

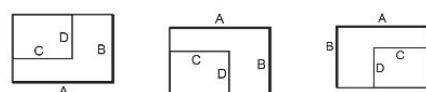
FOB O/C FLS O/C



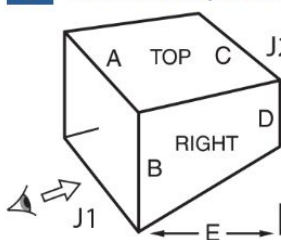
FOT O/C FOT FRS O/C BW FRC O/C



FOT FLS FOB FLS FOB FRS



10 TRANSITION (OFFSET/RISING)(NO RADIUS)



DL 1/2" 1"

Gauge _____ Qty _____

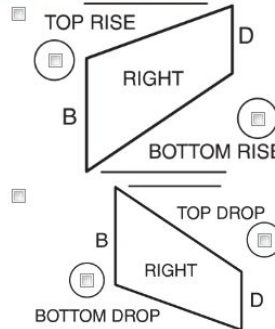
Trans $\frac{X}{A}$ $\frac{X}{B}$

to $\frac{X}{C}$ $\frac{X}{D}$ $\frac{X}{E}$ Long

Rise: _____ Offset: _____

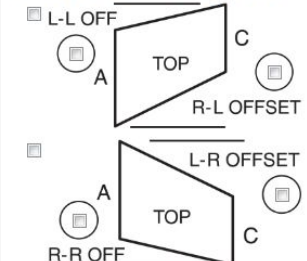
ENDS J1 _____ J2 _____

RISE (Check One & Select Rise)



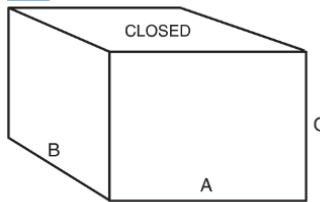
Note: B + Top Rise = D + Bottom Rise

Offset (Check One & Select Offset)



Note: A + Off = C + Off

11 BOX PELNUM/DRAIN PAN



Metal Type _____

VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

1/2" DFO FO FI RAW S&D

to $\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$ High

Pan _____ Drain Option _____

Solder 1/2" Silicone 3/4" Safety Edge Spot Weld Not Sealed

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

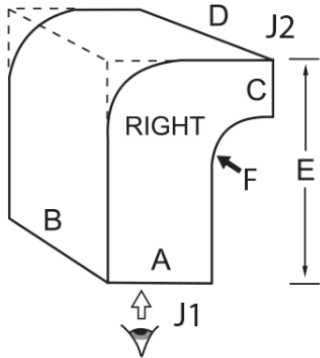
1/2" DFO FO FI RAW S&D

to $\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$ High

Pan _____ Drain Option _____

Solder 1/2" Silicone 3/4" Safety Edge Spot Weld Not Sealed

12 PLENUM ELBOW



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B and D are different:

FLS FRS O/C Sq Heel

$\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$) $\frac{X}{E}$

with $\frac{X}{F}$ Rd Thr OR $\frac{X}{F}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B and D are different:

FLS FRS O/C Sq Heel

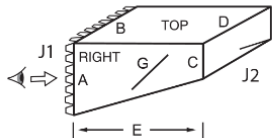
$\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$) $\frac{X}{E}$

with $\frac{X}{F}$ Rd Thr OR $\frac{X}{F}$ Sq Thr

Splitter Damper Push Rod Damper

ENDS J1 _____ J2 _____

13 PLENUM TAKE-OFF (FLAT ON TOP)



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B and D are different:

FLS FRS O/C

To fit which side of plenum: _____

PTO $\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$) FOT, Long $\frac{X}{E}$

PR Damper Volume Damper Size _____ Location _____

ENDS J1 _____ J2 _____ J3 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Only if B and D are different:

FLS FRS O/C

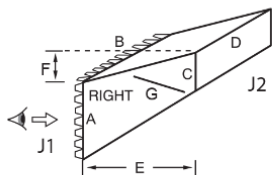
To fit which side of plenum: _____

PTO $\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$) FOT, Long $\frac{X}{E}$

PR Damper Volume Damper Size _____ Location _____

ENDS J1 _____ J2 _____ J3 _____

14 PLENUM TAKE-OFF (WITH RISE)



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Look F.L.C. Only if B and D are different:

FLS FRS O/C

To fit which side of plenum: _____

PTO $\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$), $\frac{X}{E}$ (Long) $\frac{X}{F}$ (Rise)

PR Damper Volume Damper Size _____ Location _____

ENDS J1 _____ J2 _____ J3 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: Look F.L.C. Only if B and D are different:

FLS FRS O/C

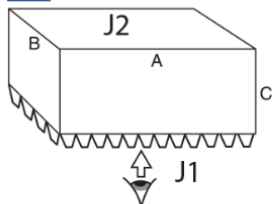
To fit which side of plenum: _____

PTO $\frac{X}{A}$ $\frac{X}{B}$ (to $\frac{X}{C}$ $\frac{X}{D}$), $\frac{X}{E}$ (Long) $\frac{X}{F}$ (Rise)

PR Damper Volume Damper Size _____ Location _____

ENDS J1 _____ J2 _____ J3 _____

15 FISH LOCK COLLAR



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

FLC $\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$ Long

ENDS J1 _____ J2 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

FLC $\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$ Long

ENDS J1 _____ J2 _____

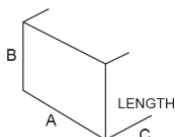
VARIATION 3: DL 1/2" 1"

Gauge _____ Qty _____

FLC $\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$ Long

ENDS J1 _____ J2 _____

16 STRAIGHT DUCT



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

$\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$

Ends RAW S&D DFO FO FI

Block End A _____ B _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

$\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$

Ends RAW S&D DFO FO FI

Block End A _____ B _____

VARIATION 3: DL 1/2" 1"

Gauge _____ Qty _____

$\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$

Ends RAW S&D DFO FO FI

Block End A _____ B _____

VARIATION 4: DL 1/2" 1"

Gauge _____ Qty _____

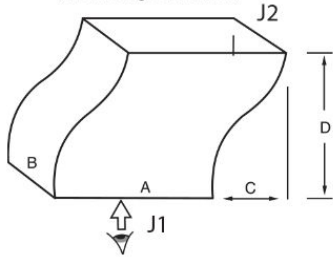
$\frac{X}{A}$ $\frac{X}{B}$ $\frac{X}{C}$

Ends RAW S&D DFO FO FI

Block End A _____ B _____

17 OFFSET

(A is the Large Dimension)



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Offset $\frac{X}{A}$ $\frac{X}{B}$, $\frac{X}{C}$

Offset, _____ Long

_____ D

ENDS J1 _____ J2 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

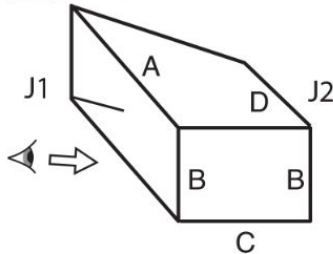
Offset $\frac{X}{A}$ $\frac{X}{B}$, $\frac{X}{C}$

Offset, _____ Long

_____ D

ENDS J1 _____ J2 _____

18 REDUCER



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: F1S O/C

RED $\frac{X}{A}$ $\frac{X}{B}$

TO $\frac{X}{D}$ $\frac{X}{B}$, _____ Long

_____ C

ENDS J1 _____ J2 _____

VARIATION 2: DL 1/2" 1"

Gauge _____ Qty _____

Indicate: F1S O/C

RED $\frac{X}{A}$ $\frac{X}{B}$

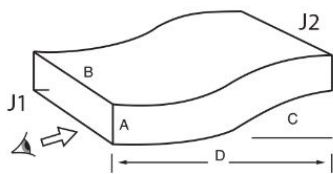
TO $\frac{X}{D}$ $\frac{X}{B}$, _____ Long

_____ C

ENDS J1 _____ J2 _____

19 RISER

(A is the Small Dimension)



VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Riser $\frac{X}{A}$ $\frac{X}{B}$, _____ Rise,

_____ C

_____ Long

_____ D

ENDS J1 _____ J2 _____

VARIATION 1: DL 1/2" 1"

Gauge _____ Qty _____

Riser $\frac{X}{A}$ $\frac{X}{B}$, _____ Rise,

_____ C

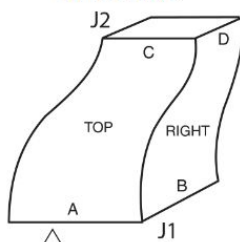
_____ Long

_____ D

ENDS J1 _____ J2 _____

20 OFFSET/RISER-REDUCING

DL 1/2" 1"



Gauge _____ Qty _____

$\frac{X}{A}$ $\frac{X}{B}$ to $\frac{X}{C}$ $\frac{X}{D}$

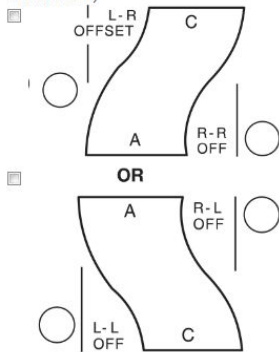
_____ Long

_____ E

ENDS J1 _____ J2 _____

TOP VIEW:

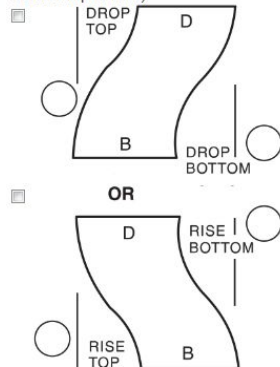
(Check One & Select Offset)



Indicate Offset Amount: _____

Right SIDE:

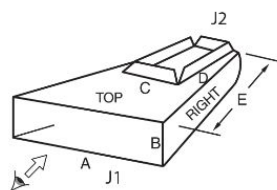
(Check One & Select Drop or Rise)



Indicate Drop or Rise Amount: _____

21 REVERSING 90°

DL 1/2" 1"



Gauge _____ Qty _____

Indicate: Turning Up

Turning Down FLS FRS

O/C

REV90 $\frac{X}{A}$ $\frac{X}{B}$

to $\frac{X}{C}$ $\frac{X}{D}$, _____ Long

_____ E

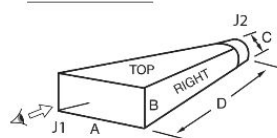
ENDS J1 _____ J2 _____

22 SQUARE TO ROUND

DL 1/2" 1"

ENDS J1 _____

J2 _____



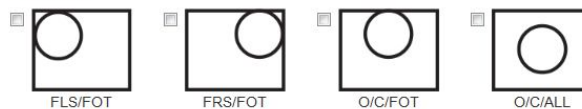
Gauge _____ Qty _____

$\frac{X}{A}$ $\frac{X}{B}$

to _____ (Round), _____ Long

_____ C _____ D

Check One:



GLOSSARY OF TERMS

D DFO Double flange out
DL Duct Lining

F F1S Flat one side
FLC Fishlock collar
FLS Flat left side
FOB Flat on bottom
FOT Flat on top
FRS Flat right side
FO Flange out *Incl.size*

FI Flange in *Incl.size*

J J Joint type

L L Long
L - L Left to left
L - R Left to right

O O/C On centre
OCBW On centre both ways
Off Offset

P PTO Plenum take-off
PRD Push Rod Damper

R RAB Return air boot
RAW Unfinished End
Rd Round
RED Reducer
R - L Right to left
R - R Right to right

S S&D S Cleat & Drive
SA-45 Side 45° elbow
SD-90 Side 90° elbow

S.Damp . Splitter damper
STK-45 .. Stack 45° elbow
ST90.....Stack 90° elbow
STO Side take-off
Sq Square

T Thr Throat *Incl.radius*
Trans Transition

V V.Damp . Volume damper
(↔↔ Point of View)