

WRITER/BRANCH: _____ P.O.#: _____
 CUSTOMER NAME/CO.: _____
 PHONE: _____ Date: _____
 MOBILE PHONE: _____

17 OFFSET
 (A is the Large Dimension)

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Offset _____ X _____ B _____ C _____
 Offset, _____ D _____ Long _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Offset _____ X _____ B _____ C _____
 Offset, _____ D _____ Long _____
 Ends J1 _____ J2 _____

18 REDUCER

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: F1S O/C
 RED _____ X _____ B _____
 to _____ X _____ B _____ C _____ Long _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: F1S O/C
 RED _____ X _____ B _____
 to _____ X _____ B _____ C _____ Long _____
 Ends J1 _____ J2 _____

19 RISER
 (A is the Small Dimension)

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Riser _____ X _____ B _____ C _____ Rise, _____
 _____ D _____ Long _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Riser _____ X _____ B _____ C _____ Rise, _____
 _____ D _____ Long _____
 Ends J1 _____ J2 _____

20 OFFSET/RISER - REDUCING DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "

Gauge _____ Qty _____
 _____ X _____ B _____ C _____ D _____, _____
 _____ E _____ Long _____
 Ends J1 _____ J2 _____

21 REVERSING 90° DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "

Gauge _____ Qty _____
 Indicate: Turning Up Turning Down
 FLS FRS O/C
 REV90 _____ X _____ B _____
 to _____ C _____ X _____ D _____, _____ E _____ Long _____
 Ends J1 _____ J2 _____

22 SQUARE TO ROUND DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "

Check one: FLS/FOT FRS/FOT O/C / FOT O/C ALL

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 <i>incl.size</i>	J J Flange in <i>incl.size</i> L Joint type	L L-L Long L-L Left to left L-R Left to right 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&D S Cleat & Drive SA-45 Side 45° elbow SA-90 Side 90° elbow	S S Splitter Damper S&D S Cleat & Drive SA-45 Side 45° elbow SA-90 Side 90° elbow	T T Throat <i>incl.radius</i> Trans Transition V V.Damp . Volume damper	V V Volume damper
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($\leftarrow \Rightarrow$) Point of View)

1 STACK ELBOW 90° $\square \square 45^\circ$
 (A is the Small Dimension)

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 STK 90 _____ X _____ B _____ C _____ with _____ C _____ Rd Thr _____
 OR _____ C _____ X _____ C _____ Sq Thr _____
 RAD HEEL SQ HEEL
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 STK 90 _____ X _____ B _____ C _____ with _____ C _____ Rd Thr _____
 OR _____ C _____ X _____ C _____ Sq Thr _____
 RAD HEEL SQ HEEL
 Ends J1 _____ J2 _____

2 SIDE ANGLE 90° $\square \square 45^\circ$
 (A is the Large Dimension)

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 SA 90 _____ X _____ B _____ C _____ with _____ C _____ Rd Thr _____
 OR _____ C _____ X _____ C _____ Sq Thr _____
 RAD HEEL SQ HEEL
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 SA 90 _____ X _____ B _____ C _____ with _____ C _____ Rd Thr _____
 OR _____ C _____ X _____ C _____ Sq Thr _____
 RAD HEEL SQ HEEL
 Ends J1 _____ J2 _____

3 STACK ELBOW 90° $\square \square 45^\circ$
 REDUCING

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: Turning Up Turning Down
 FRS FLS O/C SQ HEEL
 STK 90 _____ X _____ B _____ C _____ to _____ C _____ X _____ D _____
 with _____ E _____ Rd Thr OR _____ E _____ X _____ E _____ Sq Thr _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: Turning Up Turning Down
 FRS FLS O/C SQ HEEL
 STK 90 _____ X _____ B _____ C _____ to _____ C _____ X _____ D _____
 with _____ E _____ Rd Thr OR _____ E _____ X _____ E _____ Sq Thr _____
 Ends J1 _____ J2 _____

4 SIDE ANGLE 90° $\square \square 45^\circ$
 REDUCING

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: Turning Left Turning Right
 FOT FOB O/C SQ HEEL
 SA 90 _____ X _____ B _____ C _____ to _____ C _____ X _____ D _____
 with _____ E _____ Rd Thr OR _____ E _____ X _____ E _____ Sq Thr _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 Indicate: Turning Left Turning Right
 FOT FOB O/C SQ HEEL
 SA 90 _____ X _____ B _____ C _____ to _____ C _____ X _____ D _____
 with _____ E _____ Rd Thr OR _____ E _____ X _____ E _____ Sq Thr _____
 Ends J1 _____ J2 _____

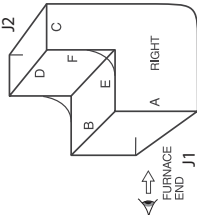
5 SIDE TAKE-OFF

VARIATION 1: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 STO _____ X _____ B _____ C _____ Long _____
 Splitter Damper PR Damper PR Damper PR Damper

VARIATION 2: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 STO _____ X _____ B _____ C _____ Long _____
 Splitter Damper PR Damper PR Damper PR Damper

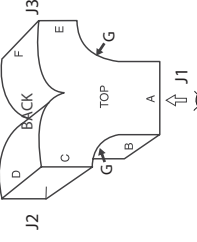
VARIATION 3: DL $\square \frac{1}{2}$ " $\square \frac{1}{2}$ "
 Gauge _____ Qty _____
 STO _____ X _____ B _____ C _____ Long _____
 Splitter Damper PR Damper PR Damper PR Damper

6 RETURN AIR BOOT



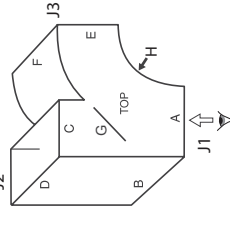
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Only if B & D different: FLS FRS O/C
 RAB _____ X _____ B _____ to _____ C _____ X _____ D _____ O/C _____
 with _____ E _____ X _____ F _____ Sq Thr, or _____ RD _____
 RAD HEEL SQ HEEL

7 3-WAY



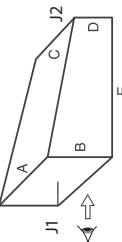
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B is different from D OR F:
 FOT FOB O/C _____
 _____ X _____ to _____ C _____ Left _____ D _____ X _____ to _____ E _____ Right _____ F _____
 with _____ G _____ Rd Thr OR _____ X _____ G _____ Sq Thr _____
 Splitter Damper Push Rod Damper

8 Y-BRANCH



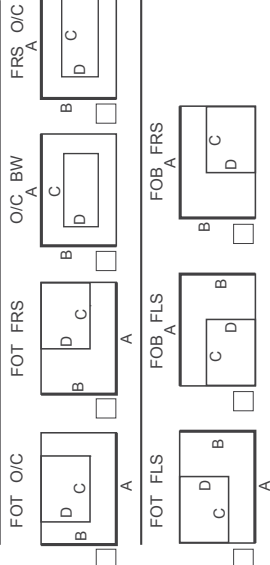
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B is different from D OR F:
 FOT FOB O/C _____
 _____ X _____ to _____ C _____ Straight _____ D _____ E _____ Right _____ F _____
 with _____ H _____ Rd Thr OR _____ X _____ H _____ Sq Thr _____
 Splitter Damper Push Rod Damper

9 TRANSITION



DL $\square \frac{1}{2}$ " \square 1" Gauge _____ Qty _____
 Trans _____ X _____ B _____
 to _____ C _____ X _____ D _____ E _____ Long _____
 Ends J1 _____ J2 _____
 FOB O/C _____ FLS O/C _____
 FOT O/C _____ FRS O/C _____
 FOT FLS _____ FOB FRS _____

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

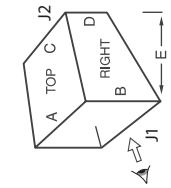


VARIATION 2: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Only if B & D different: FLS FRS O/C
 RAB _____ X _____ B _____ to _____ C _____ X _____ D _____ O/C _____
 with _____ E _____ X _____ F _____ Sq Thr, or _____ RD _____
 RAD HEEL SQ HEEL

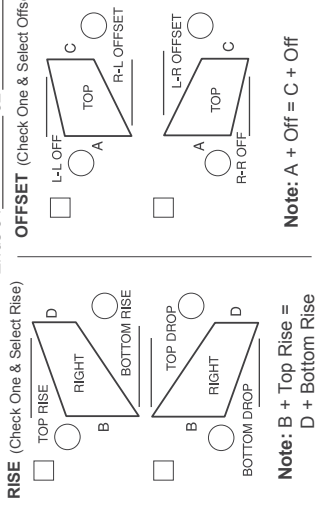
VARIATION 2: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B is different from D OR F:
 FOT FOB O/C _____
 _____ X _____ to _____ C _____ Left _____ D _____ E _____ Right _____ F _____
 with _____ G _____ Rd Thr OR _____ X _____ G _____ Sq Thr _____
 Splitter Damper Push Rod Damper

VARIATION 2: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B is different from D OR F:
 FOT FOB O/C _____
 _____ X _____ to _____ C _____ Straight _____ D _____ E _____ Right _____ F _____
 with _____ H _____ Rd Thr OR _____ X _____ H _____ Sq Thr _____
 Splitter Damper Push Rod Damper

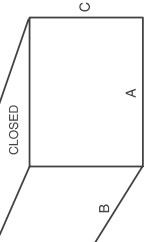
10 TRANSITION (OFFSET/RISING)(No Radius)



DL $\square \frac{1}{2}$ " \square 1" Qty _____
 Trans _____ X _____ B _____
 to _____ C _____ X _____ D _____ E _____ Long _____
 Rise: _____ Offset: _____
 Ends J1 _____ J2 _____
 OFFSET (Check One & Select Offset)
 L-L OFF TOP R-L OFFSET
 R-R OFF TOP L-R OFFSET

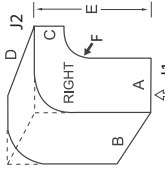


11 BOX PLENUM/DRAIN PAN



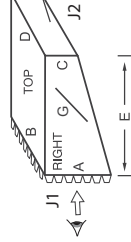
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 1/2" DFO FO FI RAW S&D _____
 _____ X _____ , _____ C _____ High _____
 A _____ B _____ , _____ C _____
 Pan Drain Option
 Solder 1/2" Spot Weld
 Silicone 3/4" Not Sealed
 Safety Edge _____

12 PLENUM ELBOW



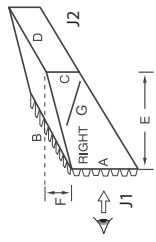
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B and D are different:
 FLS FRS O/C Sq Heel _____
 _____ X _____ (to _____ C _____ X _____ D _____) _____ E _____
 with _____ F _____ Rd Thr OR _____ X _____ F _____ Sq Thr _____
 Ends J1 _____ J2 _____

13 PLENUM TAKE-OFF (Flat on Top)



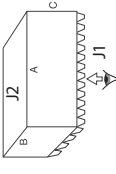
VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 Indicate: Only if B and D are different:
 FLS FRS O/C _____
 To fit which side of Plenum: _____
 PTO _____ X _____ (to _____ C _____ X _____ D _____) FOT, _____ E _____ Long _____
 PR Damper _____
 Volume Damper Size _____ G _____ Location _____ G _____
 Ends J1 _____ J2 _____

14 PLENUM TAKE-OFF (With Rise)



VARIATION 1: DL $\square \frac{1}{2}$ " \square 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 _____ X _____ (to _____ C _____ X _____ D _____), _____ E (long), _____ F (rise) _____
 PR Damper _____
 Volume Damper Size _____ G _____ Location _____ G _____
 Ends J1 _____ J2 _____

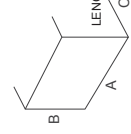
15 FISHLOCK COLLAR



VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 FLC _____ X _____ B _____ , _____ C _____ Long _____
 Ends J1 _____ J2 _____

VARIATION 2: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 FLC _____ X _____ B _____ , _____ C _____ Long _____
 Ends J1 _____ J2 _____

16 STRAIGHT DUCT



VARIATION 1: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 A _____ B _____ , _____ C _____
 Ends _____
 RAW S&D DFO DFO _____
 FO FI _____
 Block End A _____ B _____
VARIATION 2: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 A _____ B _____ , _____ C _____
 Ends _____
 RAW S&D DFO DFO _____
 FO FI _____
 Block End A _____ B _____
VARIATION 3: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 A _____ B _____ , _____ C _____
 Ends _____
 RAW S&D DFO DFO _____
 FO FI _____
 Block End A _____ B _____
VARIATION 4: DL $\square \frac{1}{2}$ " \square 1"
 Gauge _____ Qty _____
 A _____ B _____ , _____ C _____
 Ends _____
 RAW S&D DFO DFO _____
 FO FI _____
 Block End A _____ B _____