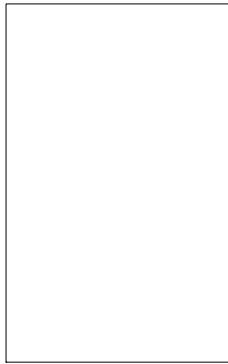
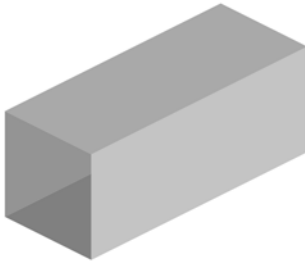


## Pattern: 1

Rectangular



| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Female Allow=Shortest Side       | C2=None |
|          |         | 1xU,1xI=Shortest Side            |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Maximum Sheet Size=None          |         |
|          |         | Maximum Fold Length=None         |         |
|          |         | Minimum Fold Length=None         |         |
|          |         | Oversize Check=Yes               |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Insulation Parts=Same            |         |
|          |         | Insulation UI=Shortest Side      |         |

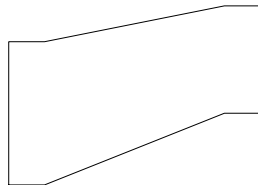
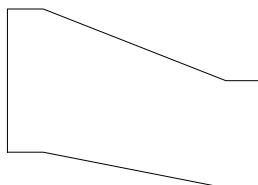
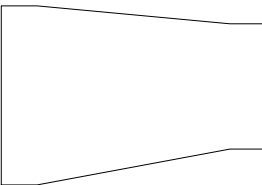
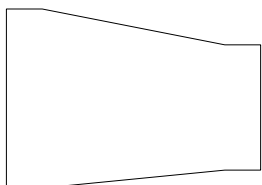
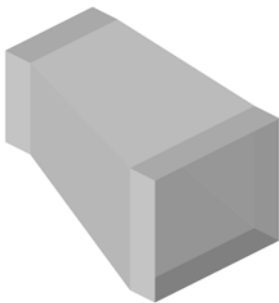
### Seams

S1=None

Damper:

## Pattern: 2

Rectangular/Fabrication



| Dims            |  | Options                 | Conn's                         |
|-----------------|--|-------------------------|--------------------------------|
| A=Width In      |  | 2 Parts=No              | Fixing Holes on Tur... C1=None |
| B=Depth In      |  | 3 Parts=No              | Seam Cut Back=0.0... C2=None   |
| C=Width Out     |  | Vee Depth Male=A...     |                                |
| D=Depth Out     |  | Vee Depth Female=...    |                                |
| E=Length        |  | Vee Notch Angle=2...    |                                |
| F=Extension In  |  | Taper Notch If Strai... |                                |
| G=Extension Out |  | Female Allow=Shor...    |                                |
| H=Offset Width  |  | 2-Sided Part Allowa...  |                                |
| I=Offset Depth  |  | Offset Width=Left In    |                                |
| J=Angle         |  | Offset Depth=Botto...   |                                |
|                 |  | Taper Notch If Strai... |                                |
|                 |  | Use Taper Notch F...    |                                |
|                 |  | Connector Fold Not...   |                                |
|                 |  | Vee Notch Depth=...     |                                |
|                 |  | Vee Notch Angle=3...    |                                |
|                 |  | Input=Length            |                                |
|                 |  | Vee Notch Depth If...   |                                |
|                 |  | Maximum Angle=1...      |                                |
|                 |  | Splitter Turnover=0...  |                                |
|                 |  | Splitter Extension=...  |                                |
|                 |  | Splitter Adjust=0.000   |                                |
|                 |  | Connector Fold Not...   |                                |
|                 |  | Vee Notch Depth=...     |                                |
|                 |  | Vee Notch Angle=3...    |                                |
|                 |  | Splitter Hole Diamo...  |                                |
|                 |  | Number Of Holes=...     |                                |
|                 |  | Splitters=Half          |                                |
|                 |  | Hole Inset=0.000        |                                |

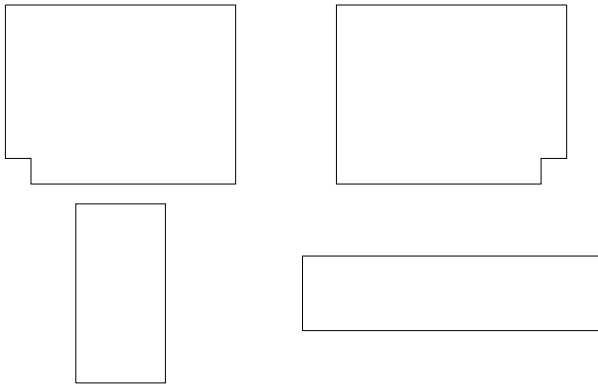
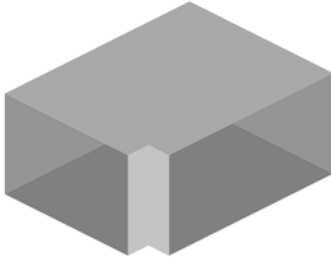
### Seams

S1=None

Damper:

## Pattern: 3

Rectangular



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Top Width        | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth            | Length Adjust For Part 3=0.000 | C2=None |
| C=Btm Width        | Vee Depth Male=Auto            |         |
| D=Top Extension    | Vee Depth Female=Auto          |         |
| E=Bottom Extension | Vee Angle Male=30              |         |
|                    | Vee Angle Female=30            |         |
|                    | 3 Parts=No                     |         |
|                    | Seam Number For Throat=        |         |
|                    | 2 Part Wrapper=No              |         |
|                    | Attenuator=No                  |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Insulation Parts=Same          |         |

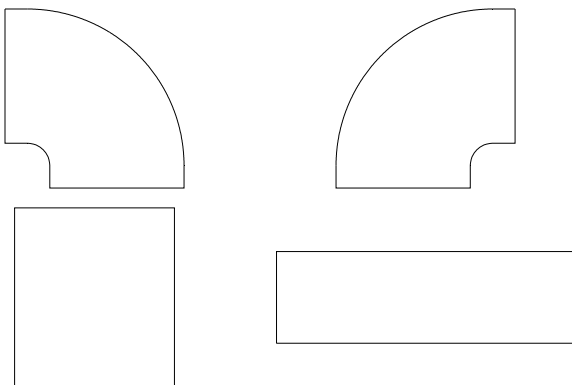
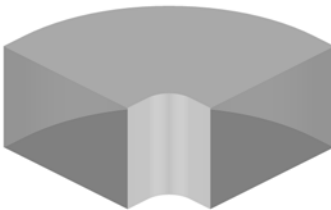
### Seams

S1=None  
S2=None

Damper:

## Pattern: 4

Rectangular



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Width            | Throat Type=Radius             | C1=None |
| B=Depth            | Length Adjust For Part 4=0.000 | C2=None |
| C=Angle            | Length Adjust For Part 3=0.000 |         |
| D=Top Extension    | Vee Depth Male=Auto            |         |
| E=Bottom Extension | Vee Depth Female=Auto          |         |
| F=Inner Radius     | Vee Angle Male=30              |         |
|                    | Vee Angle Female=30            |         |
|                    | Auto Oversize=Normal           |         |
|                    | Seam Number For Throat=        |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Mark Splitter Sides=No         |         |
|                    | Insulation Parts=Same          |         |

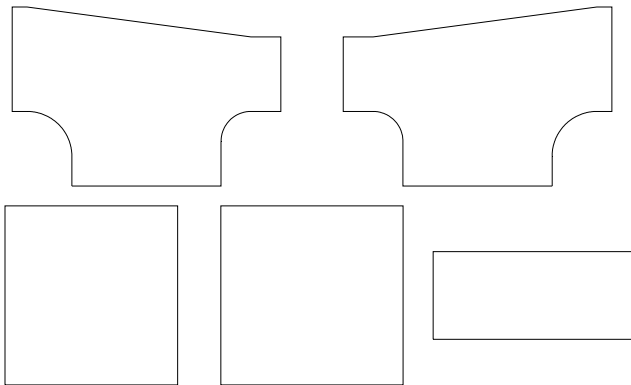
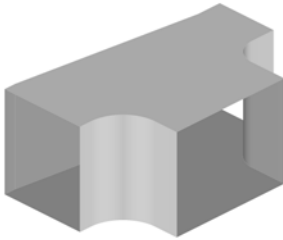
### Seams

S1=None

Damper:

## Pattern: 5

Rectangular



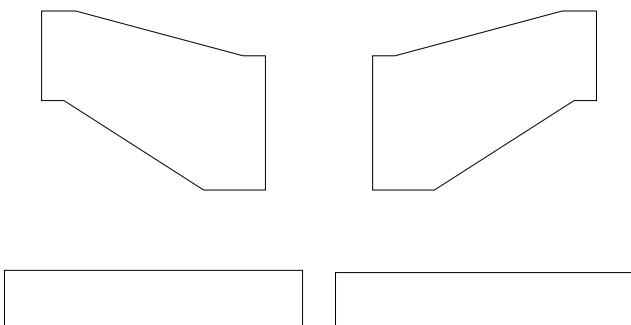
| Dims                  | Options                | Conn's  |
|-----------------------|------------------------|---------|
| A=Btm Width           | Throat Type=Radius     | C1=None |
| B=Depth               | 3 Parts=No             | C2=None |
| C=Left Width          | Vee Depth Male=Auto    | C3=None |
| D=Right Width         | Vee Depth Female=Auto  |         |
| E=Right Radius        | Vee Notch Angle=30.000 |         |
| F=Left Radius         | Hole Diameter=0.500    |         |
| G=Btm Right Extension | Hole Spacing=2.000     |         |
| H=Btm Left Extension  | Splitters=No           |         |
| I=Right Extension     | Inlet=1                |         |
| J=Left Extension      | Outlet=2               |         |
| K=Splitter Distance   | Insulation Parts=Same  |         |

**Seams**  
S1=None

Damper:

## Pattern: 6

Rectangular



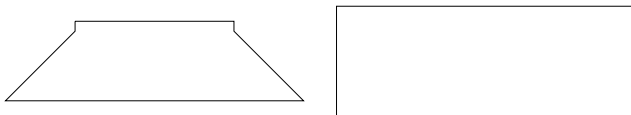
| Dims              | Options                   | Conn's  |
|-------------------|---------------------------|---------|
| A=Left Width      | Vee Depth Male=Auto       | C1=None |
| B=Depth           | Vee Depth Female=Auto     | C2=None |
| C=Right Width     | Vee Notch Angle=30.000    |         |
| D=Length          | Seam Cut Back=0.000       |         |
| E=Left Extension  | Allow Central Tie Rods=No |         |
| F=Right Extension | Insulation Parts=Same     |         |
| G=Offset Width    | Split Mitre=No            |         |
| H=Angle           |                           |         |
| I=Left Extension  |                           |         |
| J=Right Extension |                           |         |
| K=Right Width     |                           |         |

**Seams**  
S1=None

Damper: None  
None

## Pattern: 7

Rectangular

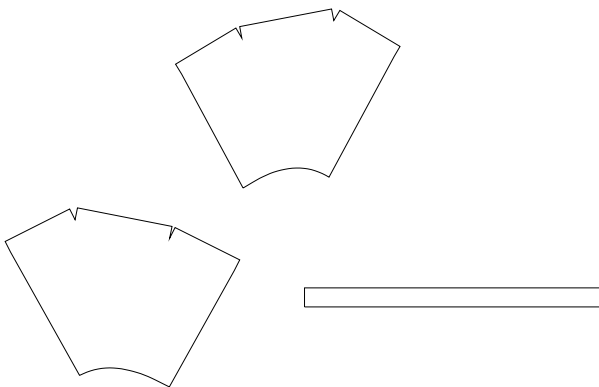
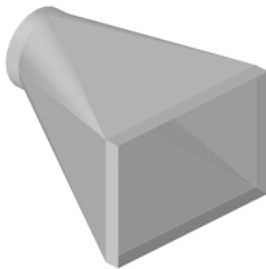


| Dims               | Options                          | Conn's       |
|--------------------|----------------------------------|--------------|
| A=Top Width        | Throat Type=Mitred               | C1=None      |
| B=Depth            | 2 Parts=Yes                      | C2=None      |
| C=Height           | Vee Depth Male=Auto              |              |
| D=Top Extension    | Vee Depth Female=Auto            |              |
| E=Bottom Extension | Vee Notch Angle=30.000           |              |
| F=Btm Width        | Connector Fold Notch=Use Default |              |
|                    | Vee Notch Depth=Auto             |              |
|                    | Vee Notch Angle=30.000           |              |
|                    | Connector Fold Notch=Use Default |              |
|                    | Vee Notch Depth=Auto             |              |
|                    | Vee Notch Angle=30.000           |              |
|                    | Dynamic Hole Adjust=Auto         |              |
|                    |                                  | <b>Seams</b> |
|                    |                                  | S1=None      |

Damper: None  
None

## Pattern: 8

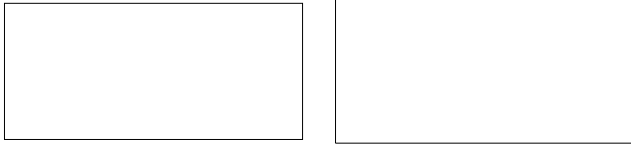
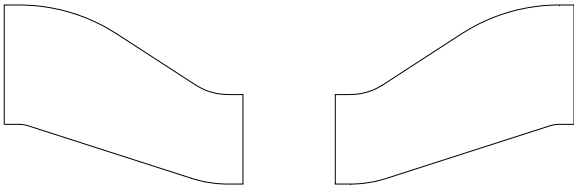
Rectangular/Round



| Dims            | Options                          | Conn's       |
|-----------------|----------------------------------|--------------|
| A=Width         | Cross Break=2                    | C1=None      |
| B=Depth         | Length Break=1                   | C2=None      |
| C=Diameter      | Diameter Type=Nominal            |              |
| D=Length        | Seam Position=Width              |              |
| E=Offset Width  | Marker Type=Notch                |              |
| F=Offset Depth  | Input=Length                     |              |
| G=Extension     | Offset Width=Left In             |              |
| H=Collar        | Offset Depth=Bottom Up           |              |
| I=Corner Radius | Inlet=1                          |              |
| J=Slope Angle   | Outlet=2                         |              |
|                 | Maximum Angle=180.000            |              |
|                 | Fold Notch Depth=Full Allowance  |              |
|                 | Hide Internal Lines=No           |              |
|                 | Show Center Line=No              |              |
|                 | V Notch Rectangular Extension=No |              |
|                 | Seam Cut Back=None               |              |
|                 | Cut Back Allowance (%)=50.000    |              |
|                 | 2 Parts 90 Degrees Seam=No       |              |
|                 |                                  | <b>Seams</b> |
|                 |                                  | S1=None      |
|                 |                                  | Damper: None |

## Pattern: 9

Rectangular



| Dims            | Options                         | Conn's  |
|-----------------|---------------------------------|---------|
| A=Width In      | Vee Depth Male=Auto             | C1=None |
| B=Depth         | Vee Depth Female=Auto           | C2=None |
| C=Width Out     | Vee Angle Male=30               |         |
| D=Length        | Vee Angle Female=30             |         |
| E=Extension In  | Offset Width=Left In            |         |
| F=Extension Out | Restricted Flow=Warning         |         |
| G=Offset Width  | Seam Cut Back=0.000             |         |
| H=Radius Out    | Wraps V Notch If Zero Radius=No |         |
| I=Radius In     |                                 |         |

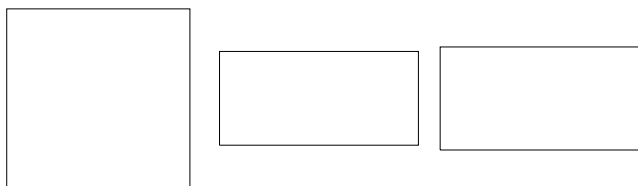
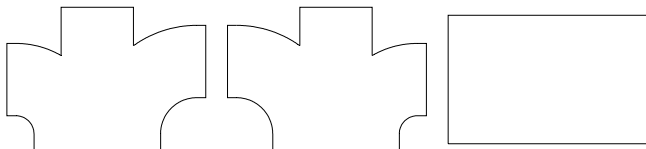
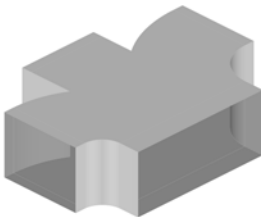
### Seams

S1=None

Damper:

## Pattern: 10

Rectangular



| Dims                  | Options                    | Conn's  |
|-----------------------|----------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius   | C1=None |
| B=Depth               | Left Throat Type=Radius    | C2=None |
| C=Top Width           | Vee Depth Male=Auto        | C3=None |
| D=Right Width         | Vee Depth Female=Auto      | C4=None |
| E=Left Width          | Vee Angle Male=30          |         |
| F=Height              | Vee Angle Female=30        |         |
| G=Right Height        | Right Heel Type=Radius     |         |
| H=Left Height         | Left Heel Type=Radius      |         |
| I=Right Radius        | Junction Notch=Use Default |         |
| J=Left Radius         | Vee Notch Angle=20.000     |         |
| K=Right Angle         | 2 Part Wrapper=No          |         |
| L=Left Angle          | Top Right=Straight         |         |
| M=Btm Right Extension | Top Left=Straight          |         |
| N=Btm Left Extension  | Outlet=2                   |         |
| O=Right Extension     | Insulation Parts=Same      |         |
| P=Left Extension      |                            |         |
| Q=Top Extension       |                            |         |

### Seams

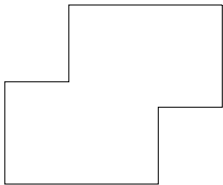
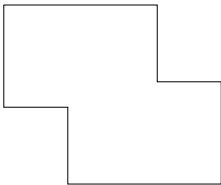
S1=None

S2=None

Damper:

Pattern: 11

Rectangular



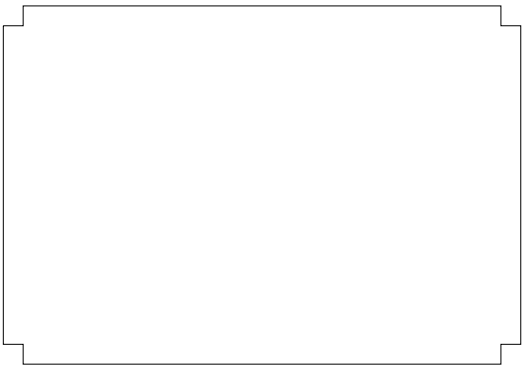
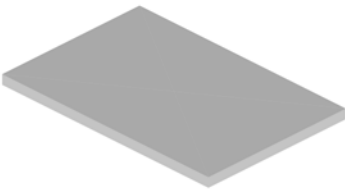
| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=Left Width      | Vee Depth Male=Auto    | C1=None |
| B=Depth           | Vee Depth Female=Auto  | C2=None |
| C=Right Width     | Vee Notch Angle=20.000 |         |
| D=Length          | Insulation Parts=Same  |         |
| E=Left Extension  |                        |         |
| F=Right Extension |                        |         |
| G=Offset Width    |                        |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 12

Rectangular



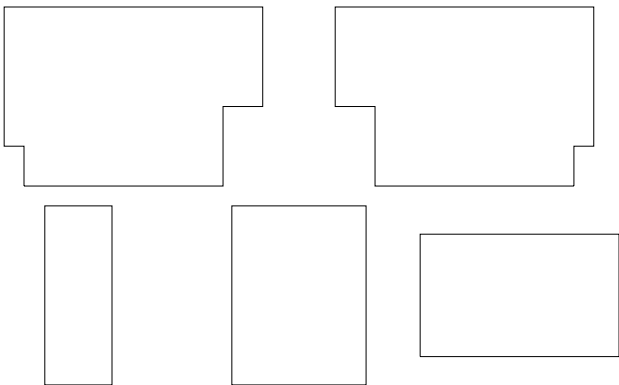
| Dims       | Options                  | Conn's  |
|------------|--------------------------|---------|
| A=Width    | Duct Adjust=0.000        | C1=None |
| B=Depth    | Add Allowance To Body=No |         |
| C=Turnover | Mirror=No                |         |
|            | Symbol=Yes               |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 13

Rectangular



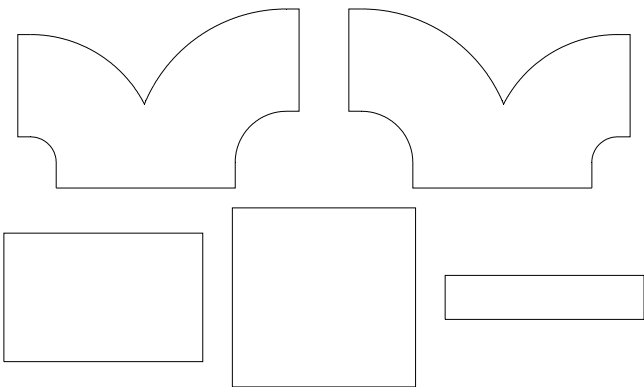
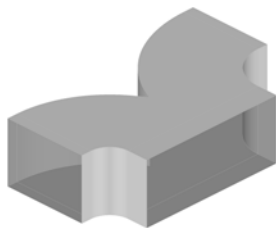
| Dims                | Options                | Conn's  |
|---------------------|------------------------|---------|
| A=Btm Width         | 3 Parts=No             | C1=None |
| B=Depth             | Vee Depth Male=Auto    | C2=None |
| C=Left Width        | Vee Depth Female=Auto  | C3=None |
| D=Right Width       | Vee Notch Angle=30.000 |         |
| E=Bottom Extension  | Hole Diameter=0.500    |         |
| F=Right Extension   | Hole Spacing=2.000     |         |
| G=Left Extension    | Splitters=No           |         |
| H=Splitter Distance | Inlet=1                |         |
|                     | Outlet=2               |         |
|                     | Insulation Parts=Same  |         |

Seams  
S1=None

Damper:

Pattern: 14

Rectangular



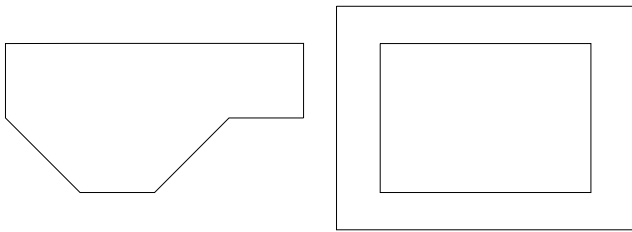
| Dims                  | Options                   | Conn's  |
|-----------------------|---------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius  | C1=None |
| B=Depth               | Left Throat Type=Radius   | C2=None |
| C=Right Width         | Vee Depth Male=Auto       | C3=None |
| D=Left Width          | Vee Depth Female=Auto     |         |
| E=Height              | Vee Angle Male=30         |         |
| F=Right Radius        | Vee Angle Female=30       |         |
| G=Left Radius         | Right Heel Type=Radius    |         |
| H=Right Angle         | Left Heel Type=Radius     |         |
| I=Left Angle          | 2 Part Wrapper=No         |         |
| J=Btm Right Extension | Back Wrapper=Marker Notch |         |
| K=Btm Left Extension  | Outlet=2                  |         |
| L=Right Extension     | Insulation Parts=Same     |         |
| M=Left Extension      |                           |         |

Seams  
S1=None  
S2=None

Damper:

## Pattern: 15

Rectangular/Fabrication



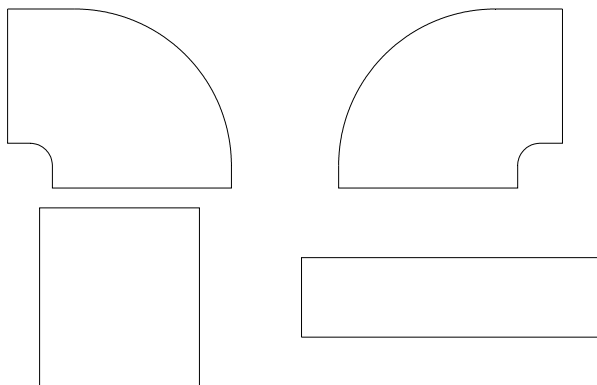
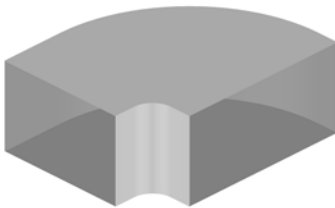
| Dims                 | Options              | Conn's  |
|----------------------|----------------------|---------|
| A=Width              | Branch Parts=1       | C1=None |
| B=Depth              | Plate Parts=1        | C2=None |
| C=Length             | Seam Position=Corner |         |
| D=Angle              | Hole Adjust=0.000    |         |
| E=Plate Width        |                      |         |
| F=Plate Depth        |                      |         |
| G=Offset Depth       |                      |         |
| H=Offset Width       |                      |         |
| I=Btm Width          |                      |         |
| J=Plate Width Adjust |                      |         |
| K=Plate Depth Adjust |                      |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

## Pattern: 17

Rectangular/Fabrication



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Top Width        | Throat Type=Radius             | C1=None |
| B=Depth            | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width        | Length Adjust For Part 3=0.000 |         |
| D=Angle            | Vee Depth Male=Auto            |         |
| E=Top Extension    | Vee Depth Female=Auto          |         |
| F=Bottom Extension | Vee Angle Male=30              |         |
| G=Inner Radius     | Vee Angle Female=30            |         |
|                    | Auto Oversize=Normal           |         |
|                    | Seam Number For Throat=        |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Mark Splitter Sides=No         |         |
|                    | Insulation Parts=Same          |         |

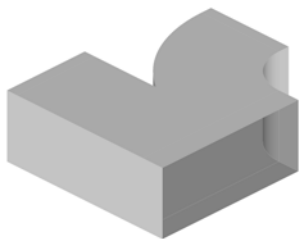
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 18

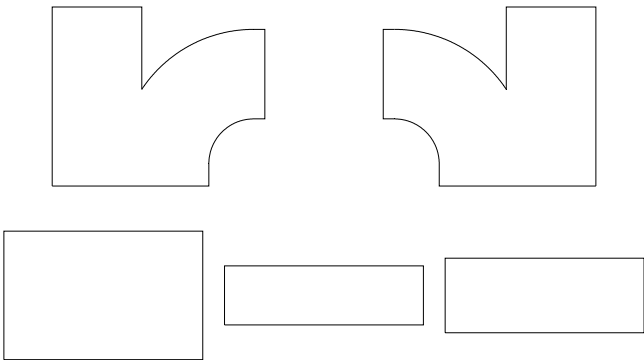
Rectangular



| Dims               | Options                    | Conn's  |
|--------------------|----------------------------|---------|
| A=Btm Width        | Right Throat Type=Radius   | C1=None |
| B=Depth            | Vee Depth Male=Auto        | C2=None |
| C=Top Width        | Vee Depth Female=Auto      | C3=None |
| D=Right Width      | Vee Angle Male=30          |         |
| E=Height           | Vee Angle Female=30        |         |
| F=Right Height     | Right Heel Type=Radius     |         |
| G=Right Radius     | Junction Notch=Use Default |         |
| H=Right Angle      | 2 Part Wrapper=No          |         |
| I=Bottom Extension | Top Right=Straight         |         |
| J=Right Extension  | Outlet=2                   |         |
| K=Top Extension    | Insulation Parts=Same      |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 19

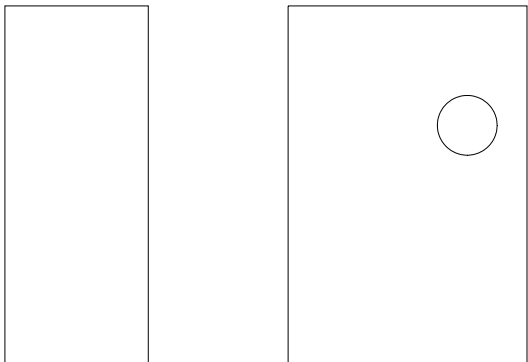
Rectangular



| Dims               | Options                       | Conn's  |
|--------------------|-------------------------------|---------|
| A=Width            | Straight Type=1 Part Straight | C1=None |
| B=Depth            | Notch Angle For Lid=45.000    | C2=None |
| C=Length           | Collar Allowance=0.000        |         |
| D=Hole Width #1    | Lid Adjust=0.000              |         |
| E=Hole Depth #1    | Diameter Type=Nominal         |         |
| F=Hole Radius #1   | Hole Adjust=0.000             |         |
| G=Hole Inset #1    | Notch Angle For Seam=Default  |         |
| H=Hole Offset #1   | Position From=Centre          |         |
| I=Hole Collar #1   |                               |         |
| J=Hole Rotation #1 |                               |         |

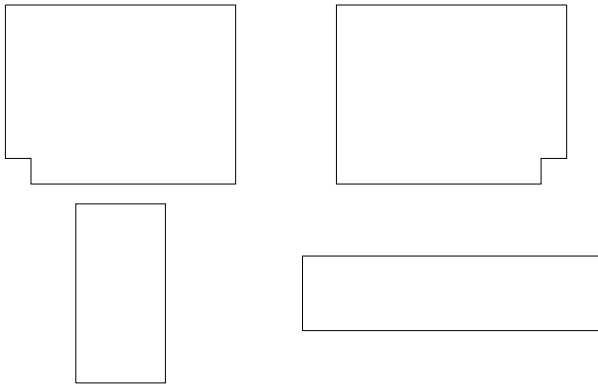
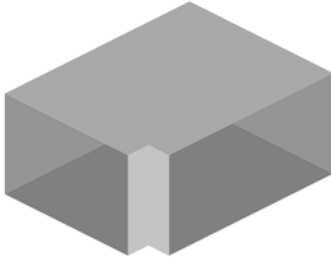
| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper: None



## Pattern: 20

Rectangular



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Top Width        | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth            | Length Adjust For Part 3=0.000 | C2=None |
| C=Btm Width        | Vee Depth Male=Auto            |         |
| D=Angle            | Vee Depth Female=Auto          |         |
| E=Top Extension    | Vee Angle Male=30              |         |
| F=Bottom Extension | Vee Angle Female=30            |         |
|                    | 3 Parts=No                     |         |
|                    | Seam Number For Throat=        |         |
|                    | Attenuator=No                  |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Insulation Parts=Same          |         |

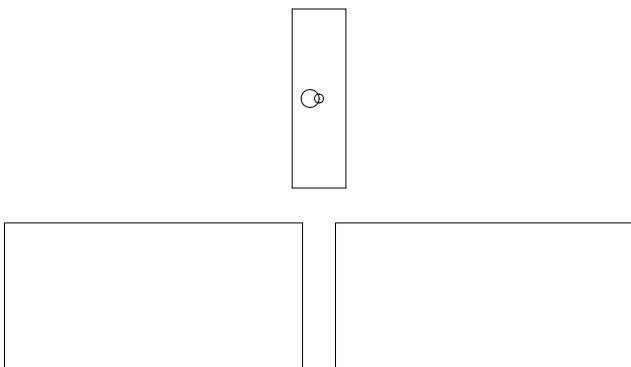
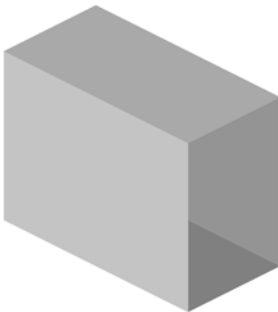
### Seams

S1=None

Damper:

## Pattern: 21

Rectangular



| Dims               | Options                    | Conn's  |
|--------------------|----------------------------|---------|
| A=Width            | Notch Angle For Lid=45.000 | C1=None |
| B=Depth            | Collar Allowance=0.000     | C2=None |
| C=Length           | Lid Adjust=0.000           | C3=None |
| D=Hole Width #1    | 1 Part Straight=Yes        |         |
| E=Hole Depth #1    | Diameter Type=Nominal      |         |
| F=Hole Radius #1   | Hole Adjust=0.000          |         |
| G=Hole Inset #1    | Vee Notch Angle=0.000      |         |
| H=Hole Offset #1   |                            |         |
| I=Hole Collar #1   |                            |         |
| J=Hole Rotation #1 |                            |         |
| K=Hole Width #2    |                            |         |
| L=Hole Depth #2    |                            |         |
| M=Hole Radius #2   |                            |         |
| N=Hole Inset #2    |                            |         |
| O=Hole Offset #2   |                            |         |
| P=Hole Collar #2   |                            |         |
| Q=Hole Rotation #2 |                            |         |

### Seams

S1=None

S2=None

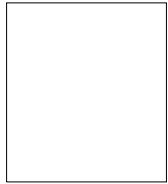
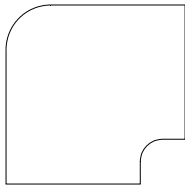
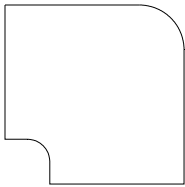
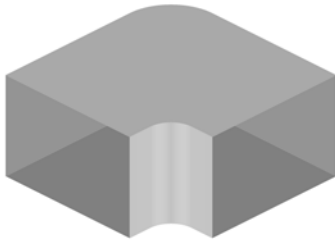
S3=None

S4=None

Damper: None

## Pattern: 22

Rectangular



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Width            | Throat Type=Radius             | C1=None |
| B=Depth            | Length Adjust For Part 4=0.000 | C2=None |
| C=Angle            | Length Adjust For Part 3=0.000 |         |
| D=Top Extension    | Vee Depth Male=Auto            |         |
| E=Bottom Extension | Vee Depth Female=Auto          |         |
| F=Inner Radius     | Vee Angle Male=30              |         |
| G=Outer Radius     | Vee Angle Female=30            |         |
|                    | 3 Parts=No                     |         |
|                    | Auto Oversize=Normal           |         |
|                    | Seam Number For Throat=        |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Mark Splitter Sides=No         |         |
|                    | Insulation Parts=Same          |         |

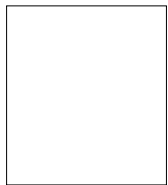
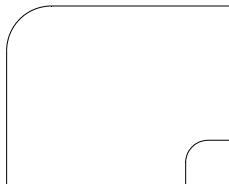
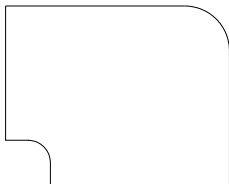
Seams

S1=None

Damper:

## Pattern: 23

Rectangular



| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Top Width        | Throat Type=Radius             | C1=None |
| B=Depth            | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width        | Length Adjust For Part 3=0.000 |         |
| D=Angle            | Vee Depth Male=Auto            |         |
| E=Top Extension    | Vee Depth Female=Auto          |         |
| F=Bottom Extension | Vee Angle Male=30              |         |
| G=Inner Radius     | Vee Angle Female=30            |         |
| H=Outer Radius     | 3 Parts=No                     |         |
|                    | Auto Oversize=Normal           |         |
|                    | Seam Number For Throat=        |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Mark Splitter Sides=No         |         |
|                    | Insulation Parts=Same          |         |

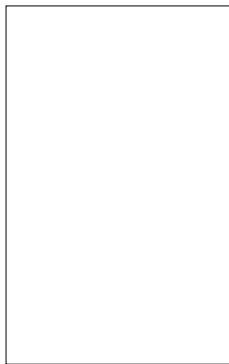
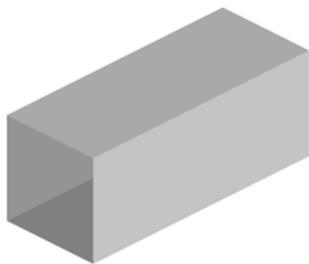
Seams

S1=None

Damper:

Pattern: 25

Rectangular/Fabrication

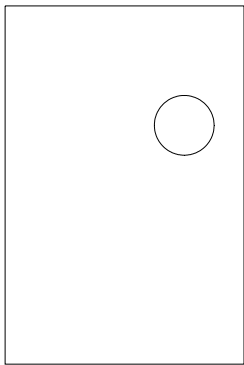
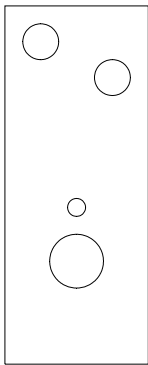


| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Female Allow=Shortest Side       | C2=None |
|          |         | 1xU,1xI=Shortest Side            |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Insulation UI=Shortest Side      |         |
|          |         |                                  | Seams   |
|          |         |                                  | S1=None |

Damper:

Pattern: 26

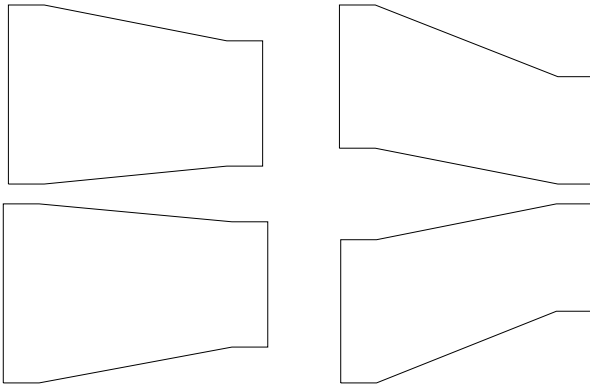
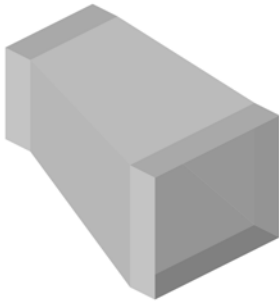
Rectangular



| Dims               |  | Options                       | Conn's          |
|--------------------|--|-------------------------------|-----------------|
| A=Width            |  | Straight Type=1 Part Straight | C1=None         |
| B=Depth            |  | Notch Angle For Lid=45.000    | C2=None         |
| C=Length           |  | Lid Adjust=0.000              | C3=None         |
| D=Hole Width #1    |  | Diameter Type=Nominal         | C4=None         |
| E=Hole Depth #1    |  | Hole Adjust=0.000             | C5=None         |
| F=Hole Radius #1   |  | Straight=Yes                  | C6=None         |
| G=Hole Inset #1    |  |                               |                 |
| H=Hole Offset #1   |  |                               |                 |
| I=Hole Collar #1   |  |                               |                 |
| J=Hole Rotation #1 |  |                               |                 |
| K=Hole Width #2    |  |                               |                 |
| L=Hole Depth #2    |  |                               |                 |
| M=Hole Radius #2   |  |                               |                 |
| N=Hole Inset #2    |  |                               |                 |
| O=Hole Offset #2   |  |                               |                 |
| P=Hole Collar #2   |  |                               |                 |
| Q=Hole Rotation #2 |  |                               |                 |
| R=Hole Width #3    |  |                               |                 |
| S=Hole Depth #3    |  |                               |                 |
| T=Hole Radius #3   |  |                               |                 |
| U=Hole Inset #3    |  |                               |                 |
| V=Hole Offset #3   |  |                               |                 |
| W=Hole Collar #3   |  |                               |                 |
| X=Hole Rotation #3 |  |                               |                 |
| Y=Hole Width #4    |  |                               |                 |
| Z=Hole Depth #4    |  |                               |                 |
| a=Hole Radius #4   |  |                               |                 |
| b=Hole Inset #4    |  |                               |                 |
|                    |  |                               | Seams           |
|                    |  |                               | S1=None S6=None |
|                    |  |                               | S2=None S7=None |
|                    |  |                               | S3=None         |
|                    |  |                               | S4=None         |
|                    |  |                               | S5=None         |
|                    |  |                               | Damper: None    |

## Pattern: 27

Rectangular



| Dims            | Options                                      | Conn's  |
|-----------------|--|---------|
| A=Width In      | 2 Parts=No                                   | C1=None |
| B=Depth In      | 3 Parts=No                                   | C2=None |
| C=Width Out     | Vee Depth Male=Auto                          |         |
| D=Depth Out     | Vee Depth Female=Auto                        |         |
| E=Length        | Vee Notch Angle=20.000                       |         |
| F=Extension In  | Female Allow=Shortest Slope                  |         |
| G=Extension Out | 2-Sided Part Allowance=Auto                  |         |
| H=Offset Width  | Offset Width=Left In                         |         |
| I=Offset Depth  | Offset Depth=Bottom Up                       |         |
| J=Angle         | Connector Fold Notch=Use Default             |         |
|                 | Vee Notch Depth=Auto                         |         |
|                 | Vee Notch Angle=30.000                       |         |
|                 | Input=Length                                 |         |
|                 | Vee Notch Depth If Straight Edge (Female)... |         |
|                 | Maximum Angle=180.000                        |         |
|                 | Splitter Turnover=0.000                      |         |
|                 | Splitter Extension=0.000                     |         |
|                 | Splitter Adjust=0.000                        |         |
|                 | Connector Fold Notch=Use Default             |         |
|                 | Vee Notch Depth=Auto                         |         |
|                 | Vee Notch Angle=30.000                       |         |
|                 | Splitter Hole Diameter=0.000                 |         |
|                 | Number Of Holes=0.000                        |         |
|                 | Splitters=Half                               |         |
|                 | Hole Inset=0.000                             |         |
|                 | Fixing Holes on Turnover=No                  |         |
|                 | Seam Cut Back=0.000                          |         |

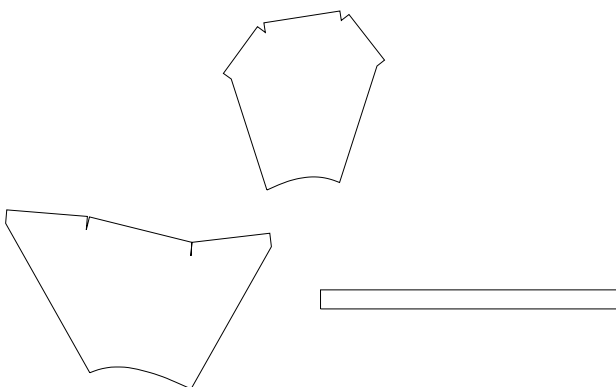
### Seams

S1=None

Damper:

## Pattern: 28

Rectangular/Round



| Dims                | Options                          | Conn's  |
|---------------------|----------------------------------|---------|
| A=Width             | Cross Break=2                    | C1=None |
| B=Depth             | Length Break=1                   | C2=None |
| C=Diameter          | Diameter Type=Nominal            |         |
| D=Length            | Seam Position=Width              |         |
| E=Rectangular Angle | Marker Type=Notch                |         |
| F=Offset Width      | Offset Width=Left In             |         |
| G=Offset Depth      | Offset Depth=Bottom Up           |         |
| H=Extension         | Inlet=1                          |         |
| I=Collar            | Outlet=2                         |         |
| J=Round Angle       | Fold Notch Depth=Full Allowance  |         |
| K=Corner Radius     | V Notch Rectangular Extension=No |         |
|                     | Seam Cut Back=None               |         |
|                     | Cut Back Allowance (%)=50.000    |         |
|                     | 2 Parts 90 Degrees Seam=No       |         |

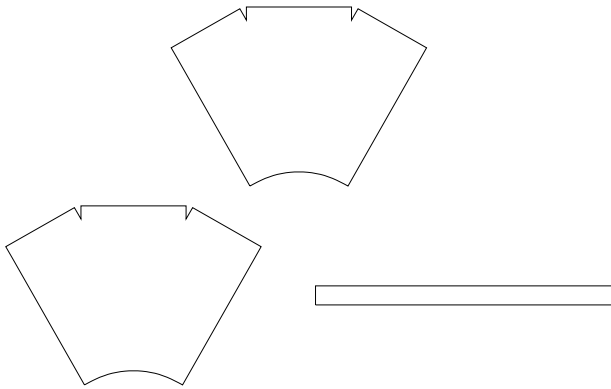
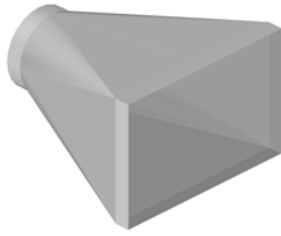
### Seams

S1=None

Damper: None

## Pattern: 29

Rectangular/Round



| Dims            | Options                          | Conn's  |
|-----------------|----------------------------------|---------|
| A=Width         | Cross Break=2                    | C1=None |
| B=Depth         | Length Break=1                   | C2=None |
| C=Diameter      | Diameter Type=Nominal            |         |
| D=Length        | Seam Position=Width              |         |
| E=Extension     | Marker Type=Notch                |         |
| F=Collar        | Input=Length                     |         |
| G=Corner Radius | Offset Width=Left In             |         |
| H=Slope Angle   | Offset Depth=Bottom Up           |         |
|                 | Inlet=1                          |         |
|                 | Outlet=2                         |         |
|                 | Maximum Angle=180.000            |         |
|                 | Fold Notch Depth=Full Allowance  |         |
|                 | V Notch Rectangular Extension=No |         |
|                 | Seam Cut Back=None               |         |
|                 | Cut Back Allowance (%)=50.000    |         |
|                 | 2 Parts 90 Degrees Seam=No       |         |

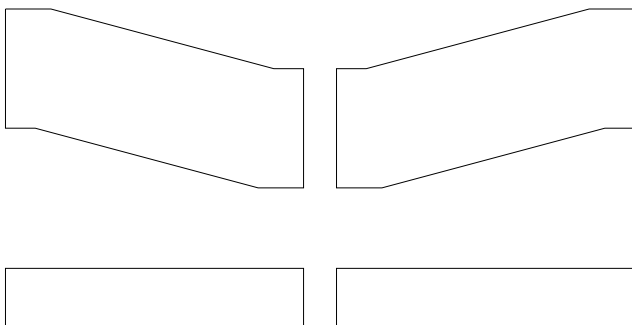
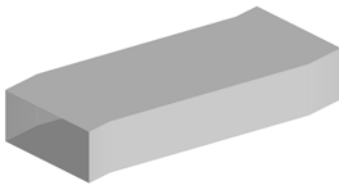
### Seams

S1=None

Damper: None

## Pattern: 30

Rectangular



| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=Width           | Vee Depth Male=Auto    | C1=None |
| B=Depth           | Vee Depth Female=Auto  | C2=None |
| C=Length          | Vee Notch Angle=30.000 |         |
| D=Left Extension  | Input=Length           |         |
| E=Right Extension | Maximum Angle=180.000  |         |
| F=Offset Width    | Seam Cut Back=0.000    |         |
| G=Angle           | Insulation Parts=Same  |         |
| H=Left Extension  | Split Mitre=No         |         |
| I=Right Extension | Inlet=1                |         |
| J=Right Width     | Outlet=2               |         |

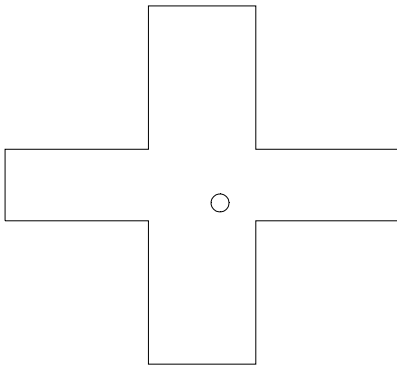
### Seams

S1=None

Damper: None  
None

## Pattern: 31

Rectangular



| Dims               | Options                | Conn's  |
|--------------------|------------------------|---------|
| A=Width            | Collar Allowance=0.000 | C1=None |
| B=Depth            | Diameter Type=Nominal  | C2=None |
| C=Length           | Hole Adjust=0.000      |         |
| D=Hole Width #1    | Position From=Centre   |         |
| E=Hole Depth #1    | Use Vee Notch=No       |         |
| F=Hole Radius #1   | Vee Notch Angle=0.000  |         |
| G=Hole Inset #1    | Cost Supports=No       |         |
| H=Hole Offset #1   |                        |         |
| I=Hole Collar #1   |                        |         |
| J=Hole Rotation #1 |                        |         |

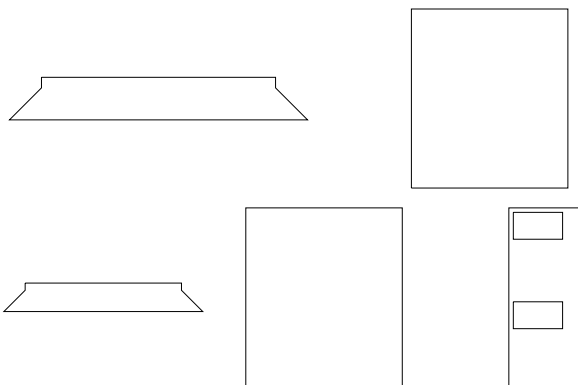
### Seams

S1=None  
S2=None

Damper: None

## Pattern: 32

Rectangular



| Dims              | Options                                 | Conn's  |
|-------------------|---|---------|
| A=Width           | Straight Type=1 Part Straight           | C1=None |
| B=Depth           | Throat Type=Mitred                      | C2=None |
| C=Length          | 2 Part Branch=Yes                       | C3=None |
| D=Branch Width #1 | Vee Depth Male=Auto                     | C4=None |
| E=Branch Depth #1 | Vee Depth Female=Auto                   | C5=None |
| F=Height #1       | Vee Notch Angle=30.000                  | C6=None |
| G=Extension #1    | Female Allow=Shortest Side              | C7=None |
| H=Inset #1        | 1xU,1xI=Shortest Side                   | C8=None |
| I=Offset #1       | Connector Fold Notch=Use Default        |         |
| J=Branch Width #2 | Vee Notch Depth=Auto                    |         |
| K=Branch Depth #2 | Vee Notch Angle=30.000                  |         |
| L=Height #2       | Branch Connector Fold Notch=Use Default |         |
| M=Extension #2    | Vee Notch Depth=Auto                    |         |
| N=Inset #2        | Vee Notch Angle=30.000                  |         |
| O=Offset #2       | Hole Adjust=0.000                       |         |
| P=Branch Width #3 | Connector Fold Notch=Use Default        |         |
| Q=Branch Depth #3 | Vee Notch Depth=Auto                    |         |
| R=Height #3       | Vee Notch Angle=30.000                  |         |
| S=Extension #3    |   |         |
| T=Inset #3        |   |         |
| U=Offset #3       |   |         |

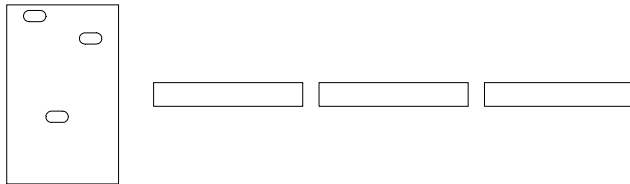
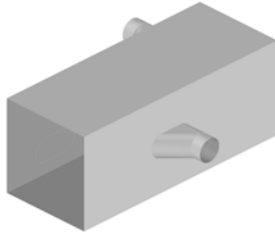
### Seams

S1=None  
S2=None  
S3=None  
S4=None

Damper:

## Pattern: 33

Rectangular



| Dims                 | Options                                | Conn's  |
|----------------------|--|---------|
| A=Width              | Straight Type=1 Part Straight          | C1=None |
| B=Depth              | Branch Diameter Type=Nominal           | C2=None |
| C=Length             | Branch Diameter Type=Nominal           | C3=None |
| D=Branch Diameter #1 | Branch Diameter Type=Nominal           | C4=None |
| E=Height #1          | Hole Adjust=0.000                      | C5=None |
| F=Extension #1       | Branch Allowance To Pipe=0.000         |         |
| G=Inset #1           | Female Allow=Shortest Side             |         |
| H=Offset #1          | 1xU,1xI=Shortest Side                  |         |
| I=Branch Diameter #2 | Branch Parts=1                         |         |
| J=Height #2          | Branch Seam Position=Default           |         |
| K=Extension #2       | Branch Insets=From C1 To Branch Center |         |
| L=Inset #2           |  |         |
| M=Offset #2          |  |         |
| N=Branch Diameter #3 |  |         |
| O=Height #3          |  |         |
| P=Extension #3       |  |         |
| Q=Inset #3           |  |         |
| R=Offset #3          |  |         |

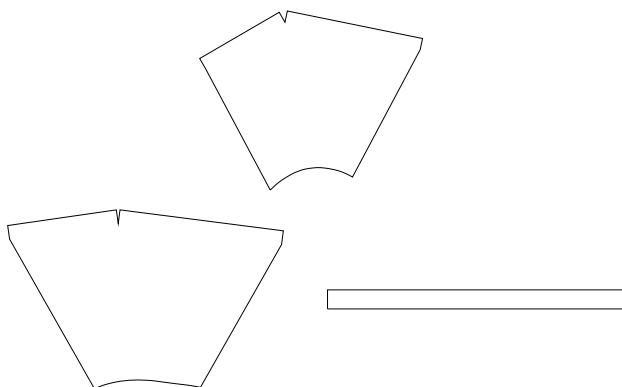
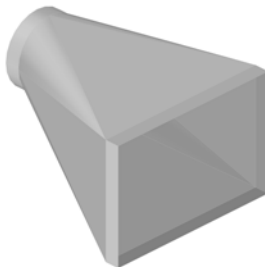
### Seams

S1=None  
S2=None  
S3=None  
S4=None

Damper:

## Pattern: 34

Rectangular/Round/Fabrication



| Dims            | Options                          | Conn's  |
|-----------------|----------------------------------|---------|
| A=Width         | Cross Break=2                    | C1=None |
| B=Depth         | Length Break=1                   | C2=None |
| C=Diameter      | Diameter Type=Nominal            |         |
| D=Length        | Seam Position=Corner             |         |
| E=Offset Width  | Marker Type=Notch                |         |
| F=Offset Depth  | Input=Length                     |         |
| G=Extension     | Offset Width=Left In             |         |
| H=Collar        | Offset Depth=Bottom Up           |         |
| I=Corner Radius | Inlet=1                          |         |
| J=Slope Angle   | Outlet=2                         |         |
|                 | Maximum Angle=180.000            |         |
|                 | Fold Notch Depth=Full Allowance  |         |
|                 | V Notch Rectangular Extension=No |         |
|                 | Seam Cut Back=None               |         |
|                 | Cut Back Allowance (%)=50.000    |         |
|                 | 2 Parts 90 Degrees Seam=No       |         |

### Seams

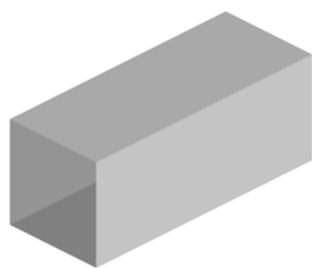
S1=None

Damper: None



Pattern: 35

Rectangular



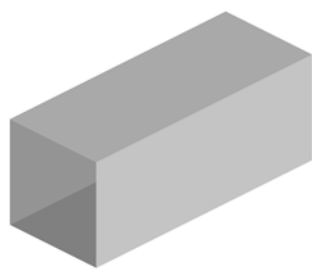
| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Duct Length=(inch)               | C2=None |
|          |         | Allow Multiple Straights=Yes     |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Maximum Sheet Size=None          |         |
|          |         | Allow Split Sides=No             |         |
|          |         | Maximum Fold Length=None         |         |
|          |         | Minimum Fold Length=None         |         |
|          |         | STD Straight=No                  |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Insulation Parts=Same            |         |
|          |         | Insulation UI=Shortest Side      |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 36

Rectangular



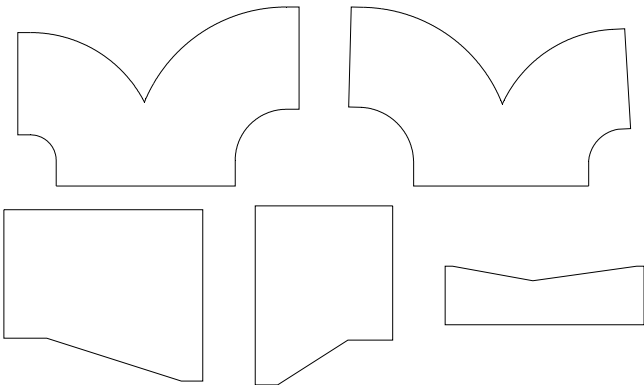
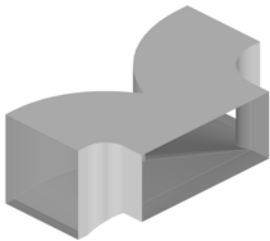
| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Female Allow=Shortest Side       | C2=None |
|          |         | 1xU,1xI=Shortest Side            |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Insulation Parts=Same            |         |
|          |         | Insulation UI=Shortest Side      |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 37

Rectangular



| Dims                  | Options                    | Conn's  |
|-----------------------|----------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius   | C1=None |
| B=Btm Depth           | Left Throat Type=Radius    | C2=None |
| C=Right Width         | Vee Depth Male=Auto        | C3=None |
| D=Right Depth         | Vee Depth Female=Auto      |         |
| E=Left Width          | Vee Angle Male=30          |         |
| F=Left Depth          | Vee Angle Female=30        |         |
| G=Right Offset        | Junction Notch=Use Default |         |
| H=Left Offset         | Vee Notch Angle=20.000     |         |
| I=Height              | 2 Part Wrapper=No          |         |
| J=Right Radius        | Right Folds=End Point      |         |
| K=Left Radius         | Left Folds=End Point       |         |
| L=Right Angle         | Inlet=1                    |         |
| M=Left Angle          | Outlet=2                   |         |
| N=Btm Right Extension |                            |         |
| O=Btm Left Extension  |                            |         |
| P=Right Extension     |                            |         |
| Q=Left Extension      |                            |         |

Seams

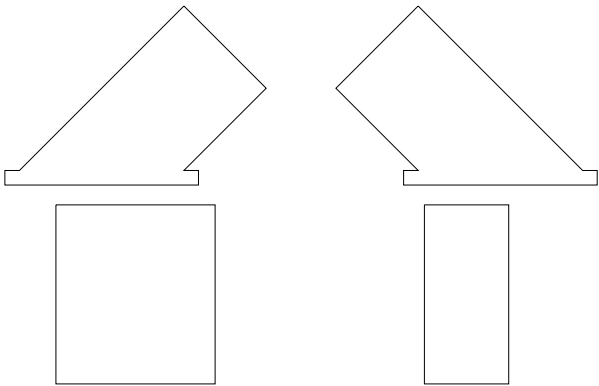
S1=None

S2=None

Damper:

Pattern: 38

Rectangular



| Dims     | Options | Conn's  |
|----------|---------|---------|
| A=Width  | B=Depth | C1=None |
| C=Length | D=Angle | C2=None |
| E=Flange |         |         |

Seams

S1=None

Damper:

Pattern: 39

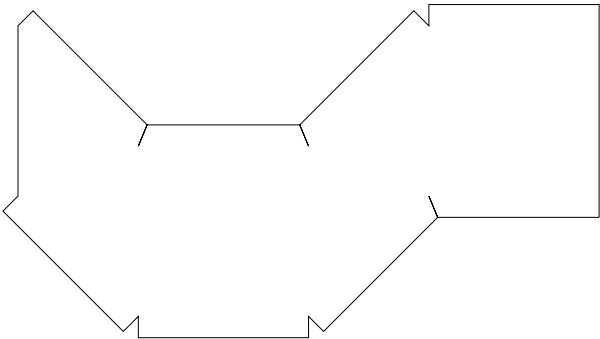
Rectangular



| Dims               |  | Options              | Conn's  |
|--------------------|--|----------------------|---------|
| A=Width            |  | Branch Parts=1       | C1=None |
| B=Depth            |  | Seam Position=Corner | C2=None |
| C=Length           |  | Hole Adjust=0.000    |         |
| D=Angle            |  |                      |         |
| E=Top Extension    |  |                      |         |
| F=Bottom Extension |  |                      |         |

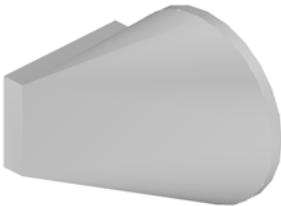
Seams  
S1=None

Damper:



Pattern: 85

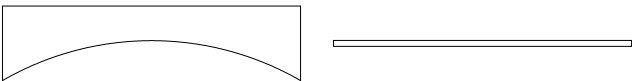
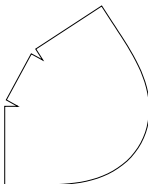
Rectangular/Round



| Dims       |             | Options               | Conn's  |
|------------|-------------|-----------------------|---------|
| A=Width    | B=Depth     | Diameter Type=Nominal | C1=None |
| C=Diameter | D=Extension | Top Offset=0.000      | C2=None |
| E=Collar   |             |                       |         |

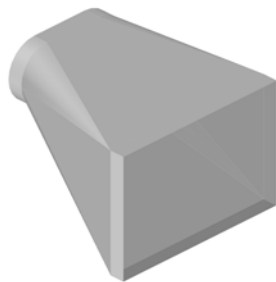
Seams  
S1=None

Damper:



Pattern: 104

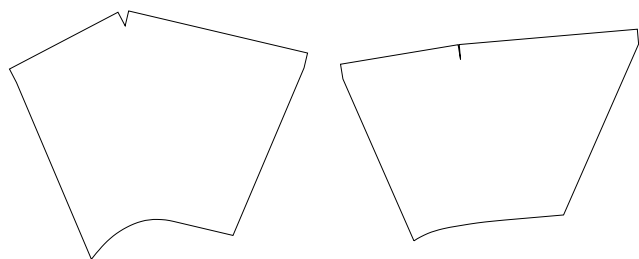
Rectangular/Flat Oval



| Dims           |                  | Options                    | Conn's  |
|----------------|------------------|----------------------------|---------|
| A=Width        | B=Depth          | Cross Break=2              | C1=None |
| C=Oval Width   | D=Oval Depth     | Diameter Type=Nominal      | C2=None |
| E=Length       | F=Offset Width   | Marker Type=Notch          |         |
| G=Offset Depth | H=Rect Extension | Offset Width=Left In       |         |
| I=Collar       |                  | Offset Depth=Bottom Up     |         |
|                |                  | Seam Position=Corner       |         |
|                |                  | Inlet=1                    |         |
|                |                  | Outlet=2                   |         |
|                |                  | Same Seams On Each Part=No |         |

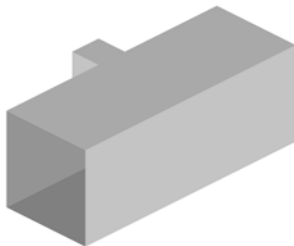
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 124

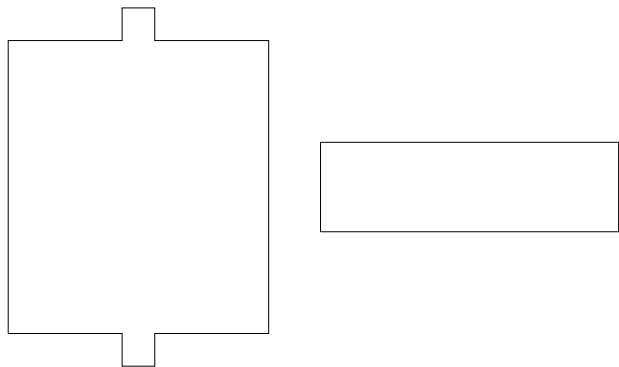
Rectangular



| Dims     |         | Options               | Conn's  |
|----------|---------|-----------------------|---------|
| A=Width  | B=Depth | 3 Parts=No            | C1=None |
| C=Length | D=Width | Damper Position=Depth | C2=None |
| E=Height | F=Inset |                       |         |

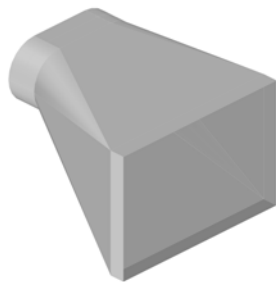
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 134

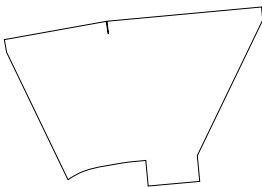
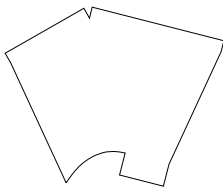
Rectangular/Flat Oval



| Dims             | Options                       | Conn's  |
|------------------|-------------------------------|---------|
| A=Width          | Cross Break=2                 | C1=None |
| B=Depth          | Diameter Type=Nominal         | C2=None |
| C=Oval Width     | Marker Type=Notch             |         |
| D=Oval Depth     | Offset Width=Left In          |         |
| E=Length         | Offset Depth=Bottom Up        |         |
| F=Offset Width   | Seam Position=Corner          |         |
| G=Offset Depth   | Collar Arcs - Lap=0.000       |         |
| H=Rect Extension | Collar Arcs - Allowance=0.000 |         |
| I=Oval Extension | Inlet=1                       |         |
| J=Collar         | Outlet=2                      |         |
|                  | Same Seams On Each Part=No    |         |
|                  | Oval Half Collar=Yes          |         |

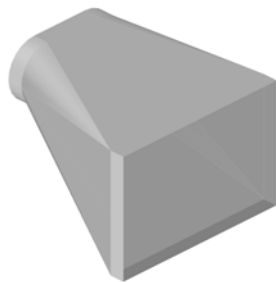
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 137

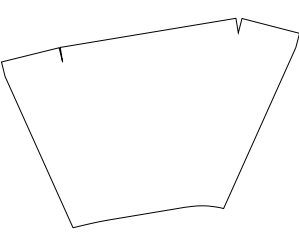
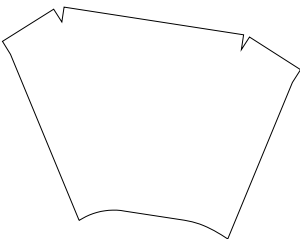
Rectangular/Flat Oval



| Dims             | Options                    | Conn's  |
|------------------|----------------------------|---------|
| A=Width          | Cross Break=2              | C1=None |
| B=Depth          | Diameter Type=Nominal      | C2=None |
| C=Oval Width     | Marker Type=Notch          |         |
| D=Oval Depth     | Offset Width=Left In       |         |
| E=Length         | Offset Depth=Bottom Up     |         |
| F=Offset Width   | Seam Position=Depth        |         |
| G=Offset Depth   | Inlet=1                    |         |
| H=Rect Extension | Outlet=2                   |         |
| I=Collar         | Same Seams On Each Part=No |         |

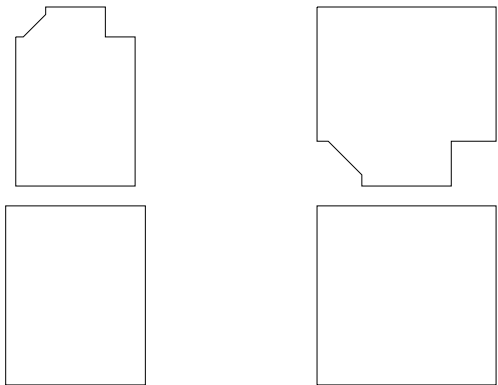
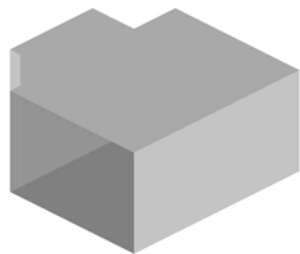
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 150

Rectangular



| Dims              | Options                          | Conn's  |
|-------------------|----------------------------------|---------|
| A=Width           | Throat Type=Mitred               | C1=None |
| B=Depth           | 2 Parts=Yes                      | C2=None |
| C=Length          | Vee Depth Male=Auto              | C3=None |
| D=Branch Width #1 | Vee Depth Female=Auto            |         |
| E=Height #1       | Vee Notch Angle=30.000           |         |
| F=Extension #1    | Connector Fold Notch=Use Default |         |
| G=Inset #1        | Vee Notch Depth=Auto             |         |
|                   | Vee Notch Angle=30.000           |         |
|                   | Hole Adjust=0.000                |         |
|                   | Connector Fold Notch=Use Default |         |
|                   | Vee Notch Depth=Auto             |         |
|                   | Vee Notch Angle=30.000           |         |

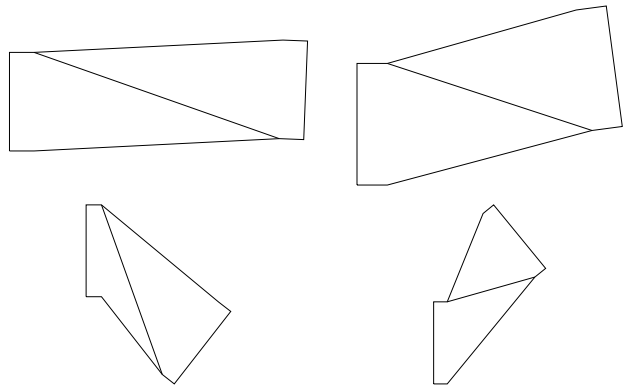
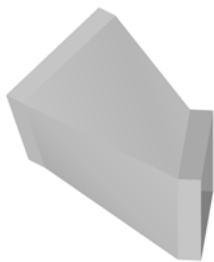
Seams

S1=None

Damper:

Pattern: 151

Rectangular



| Dims            | Options                | Conn's  |
|-----------------|------------------------|---------|
| A=Width In      | Folds=Out              | C1=None |
| B=Depth In      | Offset Width=Right In  | C2=None |
| C=Width Out     | Offset Depth=Bottom Up |         |
| D=Depth Out     | New Pattern=No         |         |
| E=Length        |                        |         |
| F=Angle         |                        |         |
| G=Extension In  |                        |         |
| H=Extension Out |                        |         |
| I=Offset Width  |                        |         |
| J=Offset Depth  |                        |         |
| K=Twist Angle   |                        |         |

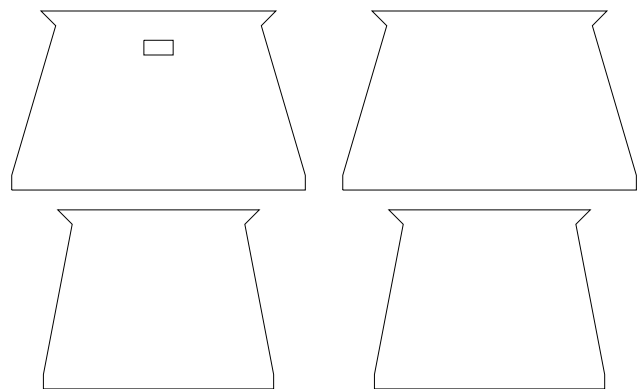
Seams

S1=None

Damper:

Pattern: 152

Rectangular



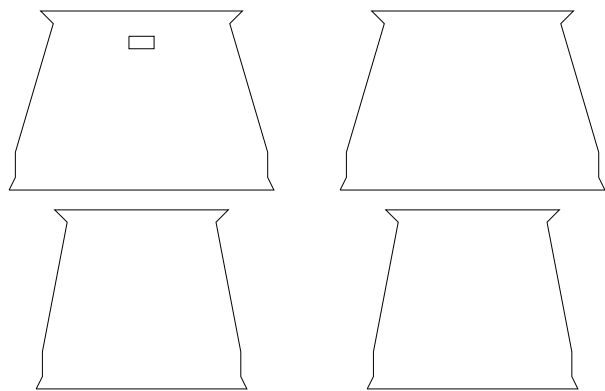
| Dims        | Options           | Conn's  |
|-------------|-------------------|---------|
| A=Btm Width | Hole Length=4.000 | C1=None |
| B=Btm Depth | Hole Width=2.000  | C2=None |
| C=Top Width | X-Offset=0.000    |         |
| D=Top Depth | Y-Offset=2.000    |         |
| E=Height    | Break=40.000      |         |
| F=Flange    | Opposite Hole=No  |         |
| G=Turnover  |                   |         |
| H=Flange    |                   |         |
| I=Turnover  |                   |         |

Seams

Damper:

Pattern: 153

Rectangular



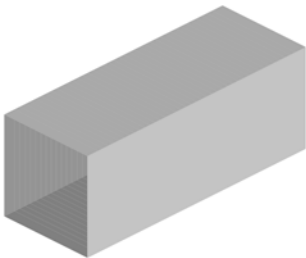
| Dims          | Options           | Conn's  |
|---------------|-------------------|---------|
| A=Btm Width   | Hole Length=4.000 | C1=None |
| B=Btm Depth   | Hole Width=2.000  | C2=None |
| C=Top Width   | X-Offset=0.000    |         |
| D=Top Depth   | Y-Offset=2.000    |         |
| E=Height      | Break=40.000      |         |
| F=Turnover    | Opposite Hole=No  |         |
| G=Turnover    |                   |         |
| H=Base Width  |                   |         |
| I=Base Depth  |                   |         |
| J=Base Height |                   |         |
| K=Extension   |                   |         |
| L=Angle       |                   |         |

Seams

Damper:

Pattern: 166

Rectangular/Equipment



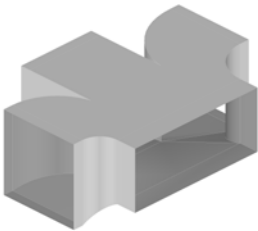
| Dims     |             | Options    | Conn's  |
|----------|-------------|------------|---------|
| A=Width  | B=Depth     | Lines=Auto | C1=None |
| C=Length | D=Extension | Develop=No | C2=None |

Seams

Damper:

Pattern: 185

Rectangular

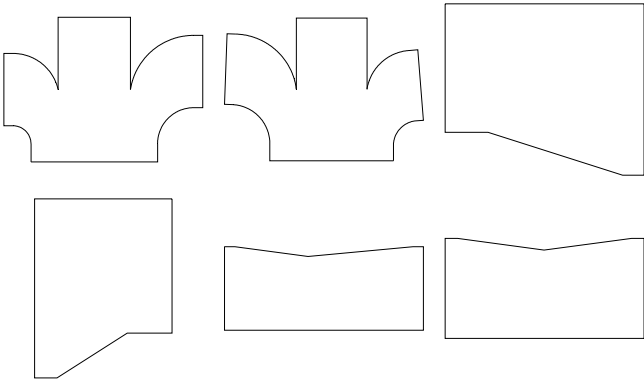


| Dims                  |  | Options                    | Conn's  |
|-----------------------|--|----------------------------|---------|
| A=Btm Width           |  | Right Throat Type=Radius   | C1=None |
| B=Btm Depth           |  | Left Throat Type=Radius    | C2=None |
| C=Top Width           |  | Vee Depth Male=Auto        | C3=None |
| D=Top Depth           |  | Vee Depth Female=Auto      | C4=None |
| E=Right Width         |  | Vee Angle Male=30          |         |
| F=Right Depth         |  | Vee Angle Female=30        |         |
| G=Left Width          |  | Right Heel Type=Radius     |         |
| H=Left Depth          |  | Left Heel Type=Radius      |         |
| I=Top Offset          |  | Junction Notch=Use Default |         |
| J=Right Offset        |  | Vee Notch Angle=20.000     |         |
| K=Left Offset         |  | Right Folds=End Point      |         |
| L=Height              |  | Left Folds=End Point       |         |
| M=Right Height        |  | Inlet=1                    |         |
| N=Left Height         |  | Outlet=2                   |         |
| O=Right Radius        |  | Top Right=Straight         |         |
| P=Left Radius         |  | Top Left=Straight          |         |
| Q=Right Angle         |  |                            |         |
| R=Left Angle          |  |                            |         |
| S=Btm Right Extension |  |                            |         |
| T=Btm Left Extension  |  |                            |         |
| U=Right Extension     |  |                            |         |
| V=Left Extension      |  |                            |         |
| W=Top Inset           |  |                            |         |
| X=Top Extension       |  |                            |         |

Seams

S1=None

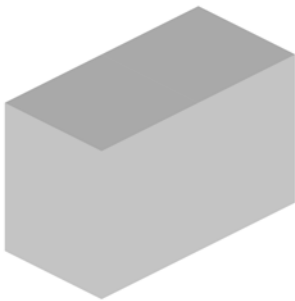
Damper:





Pattern: 189

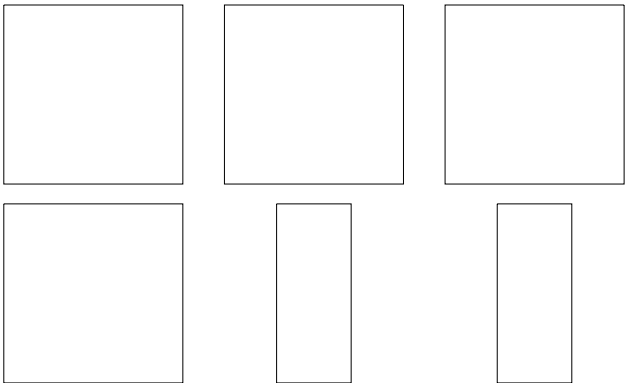
Rectangular



| Dims                     |  | Options                  | Conn's  |
|--------------------------|--|--------------------------|---------|
| A=Left Width             |  | Six Parts Left Lap=None  | C1=None |
| B=Right Width            |  | Six Parts Right Lap=None | C2=None |
| C=Depth                  |  | Clip Holes=No            | C3=None |
| D=Length                 |  | Alternate Weathering=No  |         |
| E=Angle                  |  | Ensure Center Closed=No  |         |
| F=Six Parts Left Height  |  |                          |         |
| G=Six Parts Right Height |  |                          |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 222

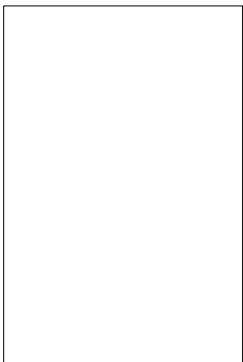
Rectangular



| Dims    |         | Options              | Conn's |
|---------|---------|----------------------|--------|
| A=Width | B=Depth | Notch=               |        |
|         |         | Notch=               |        |
|         |         | Notch=               |        |
|         |         | Notch=               |        |
|         |         | Use First For All=No |        |

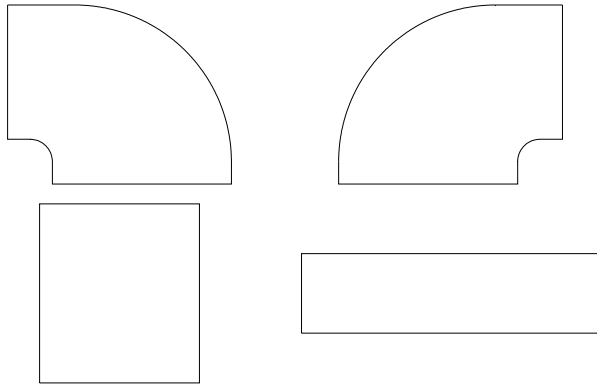
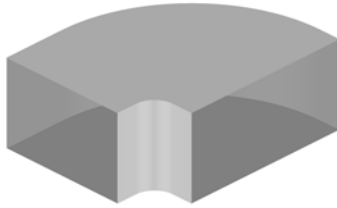
| Seams |
|-------|
|-------|

Damper:



## Pattern: 250

Rectangular



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Top Width           | Throat Type=Radius             | C1=None |
| B=Depth               | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width           | Length Adjust For Part 3=0.000 |         |
| D=Angle               | Vee Depth Male=Auto            |         |
| E=Top Inner Extension | Vee Depth Female=Auto          |         |
| F=Bottom Extension    | Vee Angle Male=30              |         |
| G=Inner Radius        | Vee Angle Female=30            |         |
|                       | Auto Oversize=Normal           |         |
|                       | Seam Number For Throat=        |         |
|                       | Leg Lengths=No                 |         |
|                       | Allow Central Tie Rods=Yes     |         |
|                       | Riser Bend=No                  |         |
|                       | Mark Splitter Sides=No         |         |

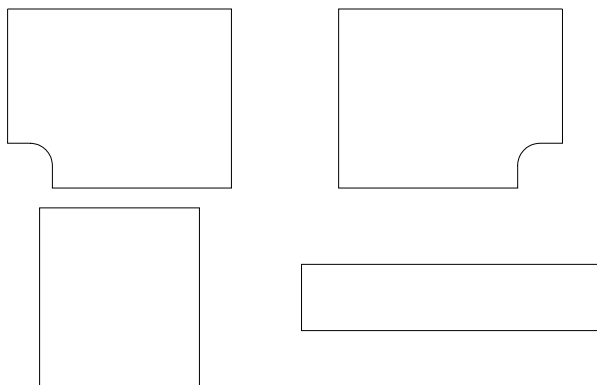
Seams

S1=None

Damper:

## Pattern: 251

Rectangular



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Top Width           | Throat Type=Radius             | C1=None |
| B=Depth               | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width           | Length Adjust For Part 3=0.000 |         |
| D=Top Inner Extension | Vee Depth Male=Auto            |         |
| E=Bottom Extension    | Vee Depth Female=Auto          |         |
| F=Inner Radius        | Vee Angle Male=30              |         |
|                       | Vee Angle Female=30            |         |
|                       | 3 Parts=No                     |         |
|                       | Auto Oversize=Normal           |         |
|                       | Seam Number For Throat=        |         |
|                       | Leg Lengths=No                 |         |
|                       | Allow Central Tie Rods=Yes     |         |
|                       | Riser Bend=No                  |         |
|                       | Mark Splitter Sides=No         |         |

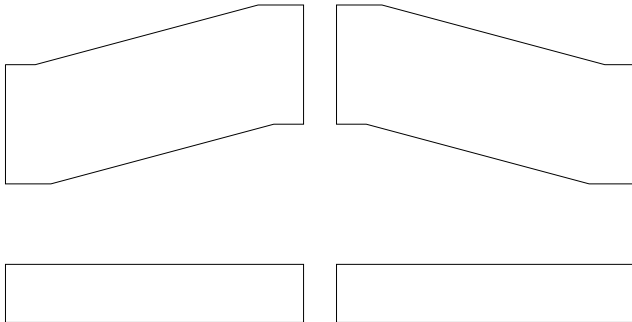
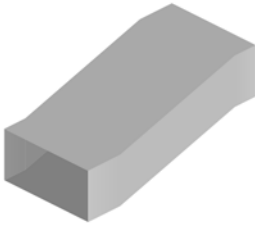
Seams

S1=None

Damper:

## Pattern: 252

Rectangular



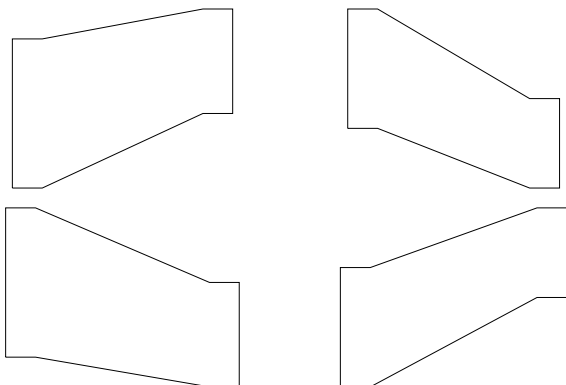
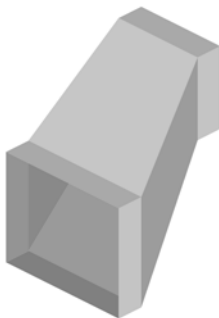
| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=Width           | Vee Depth Male=Auto    | C1=None |
| B=Depth           | Vee Depth Female=Auto  | C2=None |
| C=Length          | Vee Notch Angle=30.000 |         |
| D=Left Extension  | Split Mitre=No         |         |
| E=Right Extension |                        |         |
| F=Offset Width    |                        |         |
| G=Angle           |                        |         |
| H=Left Extension  |                        |         |
| I=Right Extension |                        |         |
| J=Right Width     |                        |         |

**Seams**  
S1=None

Damper: None  
None

## Pattern: 253

Rectangular



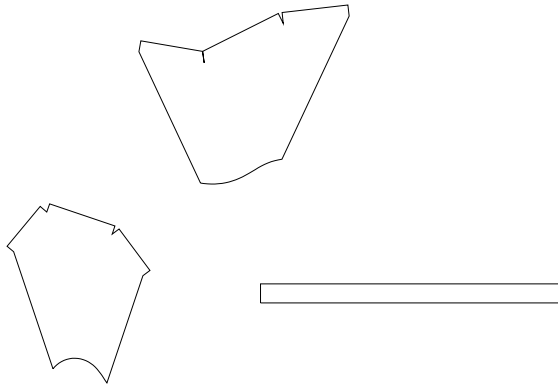
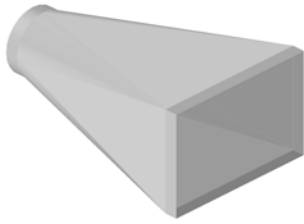
| Dims            | Options                 | Conn's                         |
|-----------------|-------------------------|--------------------------------|
| A=Width In      | 2 Parts=No              | Fixing Holes on Tur... C1=None |
| B=Depth In      | 3 Parts=No              | Seam Cut Back=0.0... C2=None   |
| C=Width Out     | Vee Depth Male=A...     |                                |
| D=Depth Out     | Vee Depth Female=...    |                                |
| E=Length        | Vee Notch Angle=2...    |                                |
| F=Extension In  | Taper Notch If Strai... |                                |
| G=Extension Out | Female Allow=Shor...    |                                |
| H=Offset Width  | 2-Sided Part Allowa...  |                                |
| I=Offset Depth  | Offset Width=Left ...   |                                |
| J=Angle         | Offset Depth=Top Up     |                                |
|                 | Taper Notch If Strai... |                                |
|                 | Use Taper Notch F...    |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Input=Length            |                                |
|                 | Vee Notch Depth If...   |                                |
|                 | Maximum Angle=1...      |                                |
|                 | Splitter Turnover=0...  |                                |
|                 | Splitter Extension=...  |                                |
|                 | Splitter Adjust=0.000   |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Splitter Hole Diamo...  |                                |
|                 | Number Of Holes=...     |                                |
|                 | Splitters=Half          |                                |
|                 | Hole Inset=0.000        |                                |

**Seams**  
S1=None

Damper:

## Pattern: 254

Rectangular/Round



| Dims            | Options                          | Conn's  |
|-----------------|----------------------------------|---------|
| A=Width         | Cross Break=2                    | C1=None |
| B=Depth         | Length Break=1                   | C2=None |
| C=Diameter      | Diameter Type=Nominal            |         |
| D=Length        | Seam Position=Width              |         |
| E=Offset Width  | Marker Type=Notch                |         |
| F=Offset Depth  | Input=Length                     |         |
| G=Extension     | Offset Width=Left In             |         |
| H=Collar        | Offset Depth=Bottom Up           |         |
| I=Corner Radius | Inlet=1                          |         |
| J=Slope Angle   | Outlet=2                         |         |
|                 | Maximum Angle=180.000            |         |
|                 | Fold Notch Depth=Full Allowance  |         |
|                 | V Notch Rectangular Extension=No |         |
|                 | Seam Cut Back=None               |         |
|                 | Cut Back Allowance (%)=50.000    |         |
|                 | 2 Parts 90 Degrees Seam=No       |         |

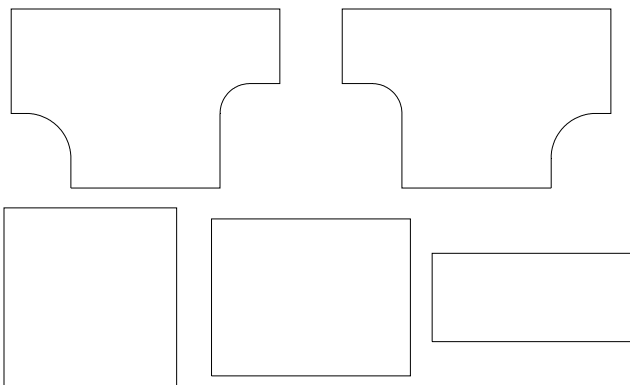
### Seams

S1=None

Damper: None

## Pattern: 255

Rectangular



| Dims                | Options                | Conn's  |
|---------------------|------------------------|---------|
| A=Btm Width         | Throat Type=Radius     | C1=None |
| B=Depth             | 3 Parts=No             | C2=None |
| C=Left Width        | Vee Depth Male=Auto    | C3=None |
| D=Right Width       | Vee Depth Female=Auto  |         |
| E=Right Radius      | Vee Notch Angle=30.000 |         |
| F=Left Radius       | Hole Diameter=0.500    |         |
| G=Bottom Extension  | Hole Spacing=2.000     |         |
| H=Right Extension   | Splitters=No           |         |
| I=Left Extension    | Inlet=1                |         |
| J=Splitter Distance | Outlet=2               |         |

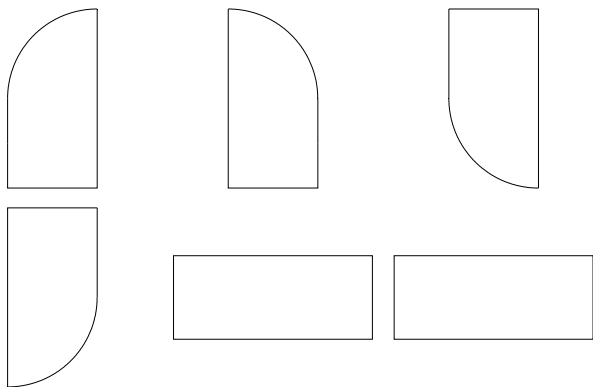
### Seams

S1=None

Damper:

Pattern: 313

Rectangular



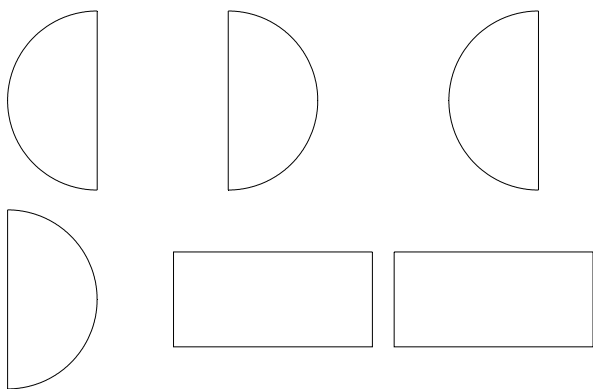
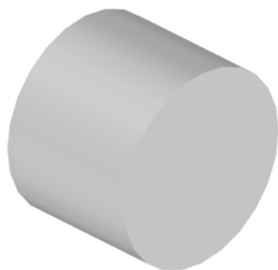
| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Depth                  | Six Parts Right Lap=None | C2=None |
| C=Angle                  | Vee Depth Female=0.000   | C3=None |
| D=Length                 | Vee Angle Female=30.000  |         |
| E=Front Hole Diameter    | Allowance=Left           |         |
| F=Back Hole Diameter     |                          |         |
| G=Six Parts Left Height  |                          |         |
| H=Six Parts Right Height |                          |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 314

Rectangular



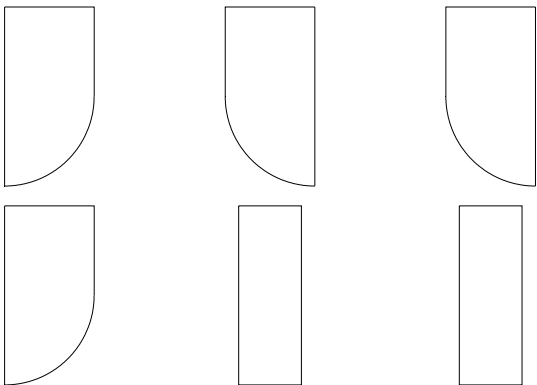
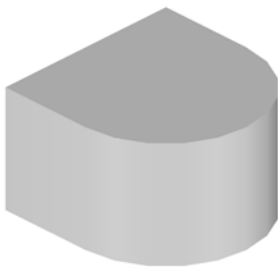
| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Angle                  | Six Parts Right Lap=None | C2=None |
| C=Length                 | Vee Depth Male=0.000     | C3=None |
| D=Front Hole Diameter    | Vee Angle Male=180.000   |         |
| E=Back Hole Diameter     | Vee Depth Female=0.000   |         |
| F=Six Parts Left Height  | Vee Angle Female=30.000  |         |
| G=Six Parts Right Height | Allowance=Left           |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 317

Rectangular



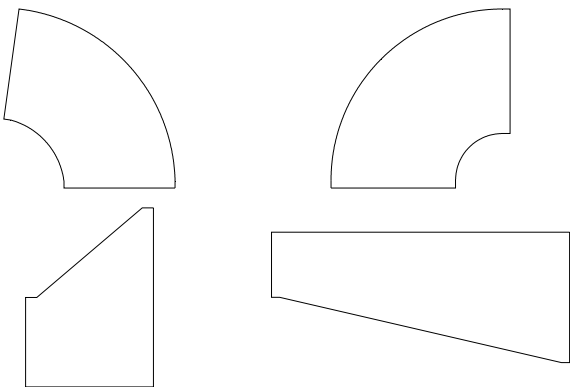
| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Depth                  | Six Parts Right Lap=None | C2=None |
| C=Length                 | Clip Holes=No            | C3=None |
| D=Angle                  | Vee Depth Male=0.000     |         |
| E=Hole Diameter          | Vee Angle Male=180.000   |         |
| F=Hole Diameter          | Vee Depth Female=0.000   |         |
| G=Six Parts Left Height  | Vee Angle Female=30.000  |         |
| H=Six Parts Right Height | Alternate Weathering=No  |         |
|                          | Holes CAD Nodes=No       |         |
|                          | Ensure Center Closed=No  |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 320

Rectangular



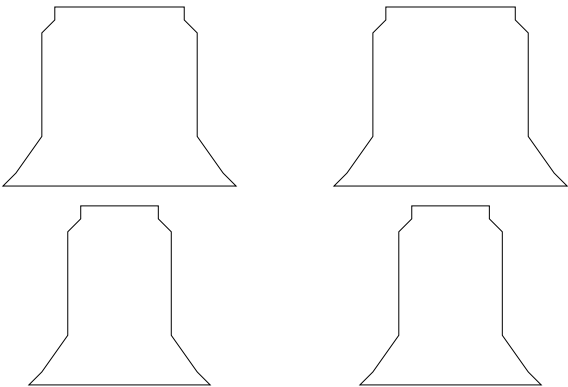
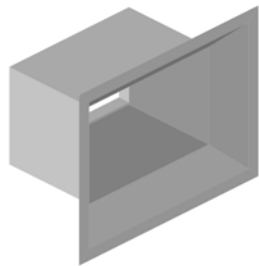
| Dims               | Options                     | Conn's  |
|--------------------|-----------------------------|---------|
| A=Btm Width        | Throat Type=Radius          | C1=None |
| B=Btm Depth        | Vee Depth Male=Auto         | C2=None |
| C=Top Depth        | Vee Depth Female=Auto       |         |
| D=Angle            | Vee Angle Male=30           |         |
| E=Top Extension    | Vee Angle Female=30         |         |
| F=Bottom Extension | Allow Central Tie Rods=Yes  |         |
| G=Inner Radius     | Splitter Slit Angle=10.000  |         |
|                    | Intersect Splitter Holes=No |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 321

Rectangular



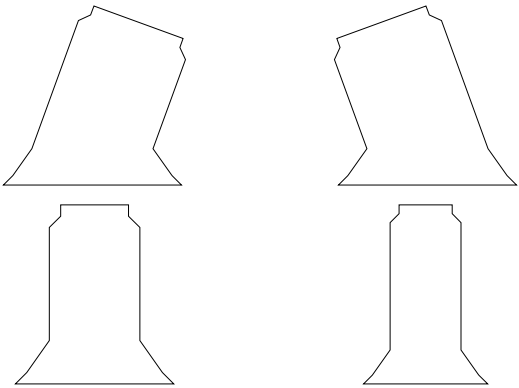
| Dims          | Options        | Conn's  |
|---------------|----------------|---------|
| A=Width       | Rotation=0.000 | C1=None |
| B=Depth       |                | C2=None |
| C=Height      |                | C3=None |
| D=Base Height |                | C4=None |
| E=Base Angle  |                | C5=None |
| F=Flange      |                | C6=None |
| G=Turnover    |                |         |
| H=Turnover    |                |         |
| I=Straight    |                |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 322

Rectangular



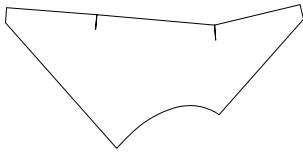
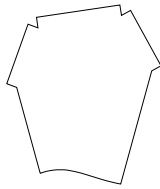
| Dims          | Options                               | Conn's  |
|---------------|---------------------------------------|---------|
| A=Width       | X Pitch=Slope Angle<br>Rotation=0.000 | C1=None |
| B=Depth       |                                       | C2=None |
| C=Height      |                                       | C3=None |
| D=Angle       |                                       | C4=None |
| E=Base Height |                                       | C5=None |
| F=Base Angle  |                                       | C6=None |
| G=Flange      |                                       |         |
| H=Turnover    |                                       |         |
| I=Turnover    |                                       |         |

| Seams   |
|---------|
| S1=None |

Damper:

## Pattern: 324

Rectangular/Round



| Dims            | Options                          | Conn's  |
|-----------------|----------------------------------|---------|
| A=Width         | Cross Break=2                    | C1=None |
| B=Depth         | Length Break=1                   | C2=None |
| C=Diameter      | Diameter Type=Nominal            |         |
| D=Offset Width  | Seam Position=Width              |         |
| E=Offset Depth  | Marker Type=Notch                |         |
| F=Extension     | Offset Width=Left In             |         |
| G=Collar        | Offset Depth=Bottom Up           |         |
| H=Round Angle   | Inlet=1                          |         |
| I=Twist Angle   | Outlet=2                         |         |
| J=Inner Radius  | Fold Notch Depth=Full Allowance  |         |
| K=Corner Radius | V Notch Rectangular Extension=No |         |
|                 | Seam Cut Back=None               |         |
|                 | Cut Back Allowance (%)=50.000    |         |
|                 | 2 Parts 90 Degrees Seam=No       |         |

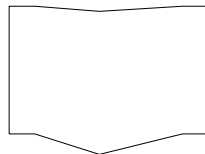
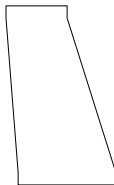
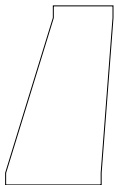
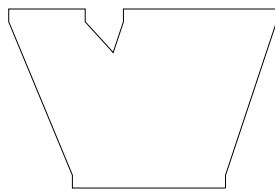
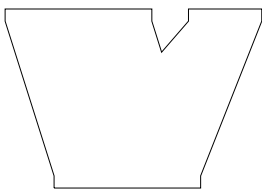
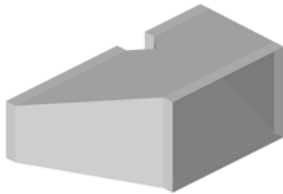
### Seams

S1=None

Damper: None

## Pattern: 328

Rectangular



| Dims                 | Options                | Conn's  |
|----------------------|------------------------|---------|
| A=Btm Width          | Vee Depth Male=Auto    | C1=None |
| B=Btm Depth          | Vee Depth Female=Auto  | C2=None |
| C=Left Width         | Vee Angle Male=30      | C3=None |
| D=Right Width        | Vee Angle Female=30    |         |
| E=Top Depth          | Offset Depth=Bottom Up |         |
| F=Height             | Offset Width=Left In   |         |
| G=Offset             |                        |         |
| H=Offset Width       |                        |         |
| I=Offset Depth       |                        |         |
| J=Bottom Extension   |                        |         |
| K=Top Extension      |                        |         |
| L=Branch Height      |                        |         |
| M=Left Mitre Length  |                        |         |
| N=Right Mitre Length |                        |         |

### Seams

S1=None

S2=None

Damper:



Pattern: 329

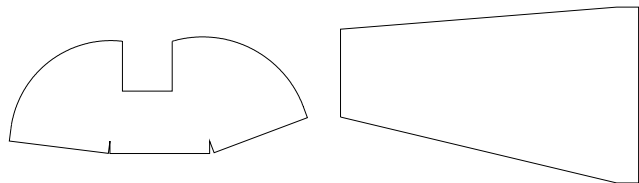
Rectangular



| Dims               | Options                     | Conn's  |
|--------------------|-----------------------------|---------|
| A=Btm Width        | Wrapper Length Adjust=0.000 | C1=None |
| B=Btm Depth        | Turnover Allowance=0.000    | C2=None |
| C=Height           | Vee Notch Angle=5.000       |         |
| D=Hole Width       | Develop Parts=2             |         |
| E=Hole Length      |                             |         |
| F=Offset           |                             |         |
| G=Bottom Extension |                             |         |
| H=Hole Offset      |                             |         |

| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 330

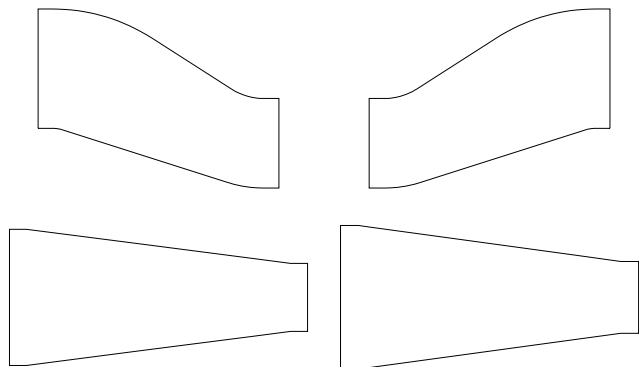
Rectangular



| Dims            | Options                   | Conn's  |
|-----------------|---------------------------|---------|
| A=Width In      | Vee Depth Male=Auto       | C1=None |
| B=Depth In      | Vee Depth Female=Auto     | C2=None |
| C=Width Out     | Vee Angle Male=30         |         |
| D=Depth Out     | Vee Angle Female=30       |         |
| E=Length        | Offset Width=Left In      |         |
| F=Extension In  | Offset Depth=Top Down     |         |
| G=Extension Out | Restricted Flow=Warning   |         |
| H=Offset Width  | Seam Cut Back=0.000       |         |
| I=Offset Depth  | Allow Central Tie Rods=No |         |
| J=Left Radius   |                           |         |
| K=Right Radius  |                           |         |

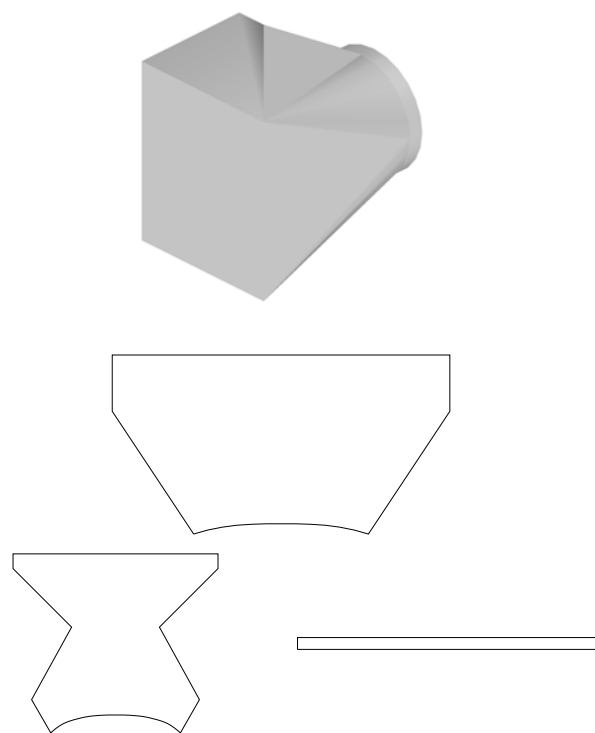
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 338

Rectangular/Round



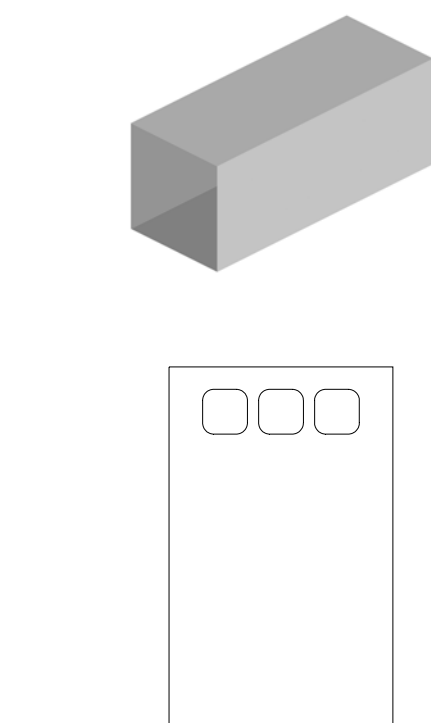
| Dims             | Options               | Conn's  |
|------------------|-----------------------|---------|
| A=Width          | Diameter Type=Nominal | C1=None |
| B=Depth          | Marker Type=Notch     | C2=None |
| C=Diameter       |                       |         |
| D=Length         |                       |         |
| E=Extension      |                       |         |
| F=End Height     |                       |         |
| G=Offset         |                       |         |
| H=Collar         |                       |         |
| I=Bottom Chamfer |                       |         |
| J=Back Chamfer   |                       |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 340

Rectangular



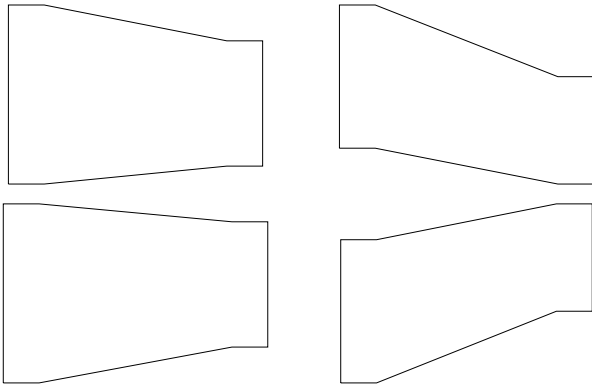
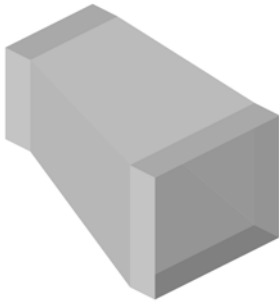
| Dims             | Options                          | Conn's  |
|------------------|----------------------------------|---------|
| A=Width          | Straight Type=1 Part Straight    | C1=None |
| B=Depth          | Hole Type=Right                  | C2=None |
| C=Length         | Hole Type=Right                  |         |
| D=Hole Inset #1  | Hole Type=Right                  |         |
| E=Hole Offset #1 | Female Allow=Shortest Side       |         |
| F=Hole Length #1 | 1xU,1xl=Shortest Side            |         |
| G=Hole Width #1  | Connector Fold Notch=Use Default |         |
| H=Hole Radius #1 | Vee Notch Depth=Auto             |         |
| I=Hole Inset #2  | Vee Notch Angle=30.000           |         |
| J=Hole Offset #2 | Connector Fold Notch=Use Default |         |
| K=Hole Length #2 | Vee Notch Depth=Auto             |         |
| L=Hole Width #2  | Vee Notch Angle=30.000           |         |
| M=Hole Radius #2 | Beading=No                       |         |
| N=Hole Inset #3  | Insulation UI=Shortest Side      |         |
| O=Hole Offset #3 |                                  |         |
| P=Hole Length #3 |                                  |         |
| Q=Hole Width #3  |                                  |         |
| R=Hole Radius #3 |                                  |         |

| Seams   |
|---------|
| S1=None |

Damper:

## Pattern: 342

Rectangular



| Dims            | Options                 | Conn's                         |
|-----------------|-------------------------|--------------------------------|
| A=Width In      | 2 Parts=No              | Fixing Holes on Tur... C1=None |
| B=Depth In      | 3 Parts=No              | Seam Cut Back=0.0... C2=None   |
| C=Width Out     | Vee Depth Male=A...     |                                |
| D=Depth Out     | Vee Depth Female=...    |                                |
| E=Length        | Vee Notch Angle=2...    |                                |
| F=Extension In  | Taper Notch If Strai... |                                |
| G=Extension Out | Female Allow=Shor...    |                                |
| H=Offset Width  | 2-Sided Part Allowa...  |                                |
| I=Offset Depth  | Offset Width=Left In    |                                |
| J=Angle         | Offset Depth=Botto...   |                                |
|                 | Taper Notch If Strai... |                                |
|                 | Use Taper Notch F...    |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Input=Length            |                                |
|                 | Vee Notch Depth If...   |                                |
|                 | Maximum Angle=1...      |                                |
|                 | Splitter Turnover=0...  |                                |
|                 | Splitter Extension=...  |                                |
|                 | Splitter Adjust=0.000   |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Splitter Hole Diamo...  |                                |
|                 | Number Of Holes=...     |                                |
|                 | Splitters=Half          |                                |
|                 | Hole Inset=0.000        |                                |

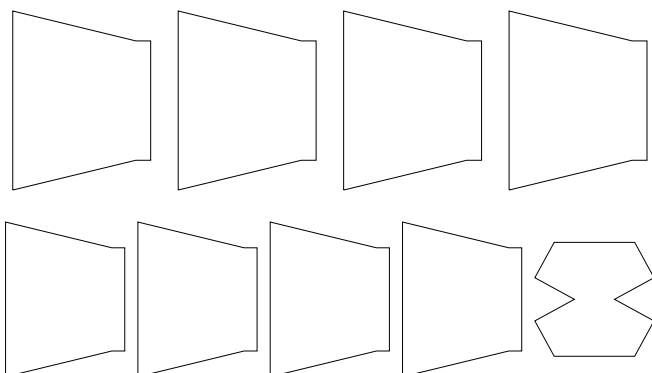
### Seams

S1=None

Damper:

## Pattern: 343

Rectangular



| Dims               | Options                  | Conn's  |
|--------------------|--------------------------|---------|
| A=Btm Width        | Turnover Allowance=0.000 | C1=None |
| B=Btm Depth        | Body Allowance=0.000     | C2=None |
| C=Centre Width     | Plate Allowance=0.000    |         |
| D=Centre Depth     | Number Of Struts=0       |         |
| E=Top Width        | 4 Parts=No               |         |
| F=Top Depth        |                          |         |
| G=Height           |                          |         |
| H=Height           |                          |         |
| I=Width            |                          |         |
| J=Depth            |                          |         |
| K=Width            |                          |         |
| L=Height           |                          |         |
| M=Bottom Extension |                          |         |
| N=Top Extension    |                          |         |
| O=Plate Depth      |                          |         |

### Seams

S1=None

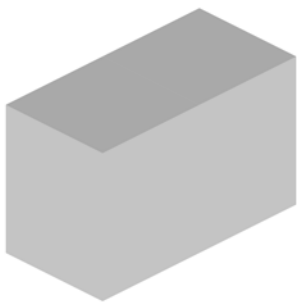
S2=None

S3=None

Damper:

Pattern: 346

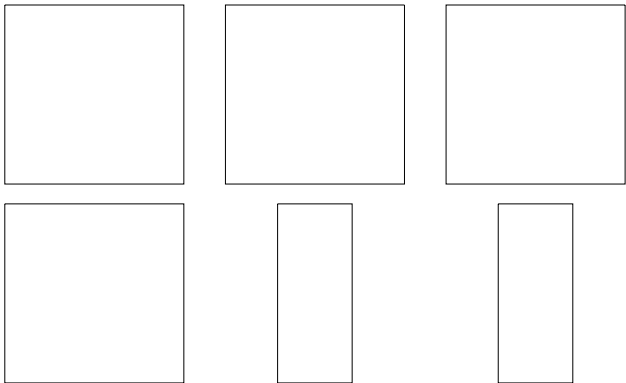
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Right Width            | Six Parts Left Lap=None  | C1=None |
| B=Depth                  | Six Parts Right Lap=None | C2=None |
| C=Length                 | Clip Holes=No            | C3=None |
| D=Six Parts Left Height  | Vee Depth Male=0.000     |         |
| E=Six Parts Right Height | Vee Angle Male=180.000   |         |
|                          | Vee Depth Female=0.000   |         |
|                          | Vee Angle Female=30.000  |         |
|                          | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

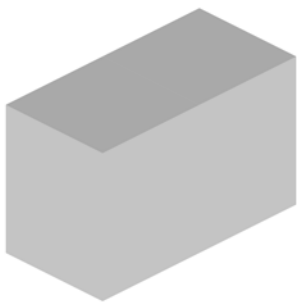
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 347

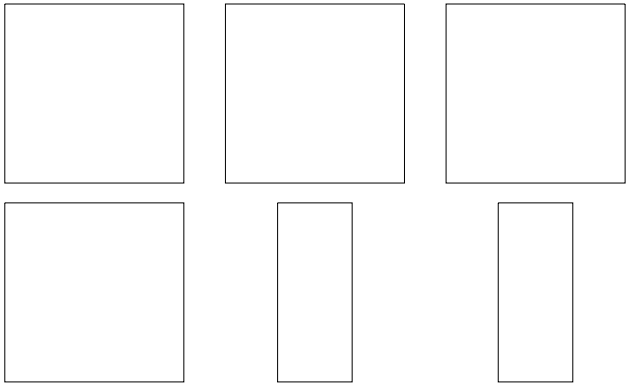
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Right Width            | Six Parts Left Lap=None  | C1=None |
| B=Depth                  | Six Parts Right Lap=None | C2=None |
| C=Length                 | Clip Holes=No            | C3=None |
| D=Six Parts Left Height  | Vee Depth Male=0.000     |         |
| E=Six Parts Right Height | Vee Angle Male=180.000   |         |
|                          | Vee Depth Female=0.000   |         |
|                          | Vee Angle Female=30.000  |         |
|                          | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

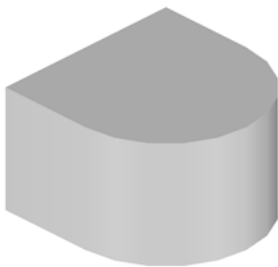
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 348

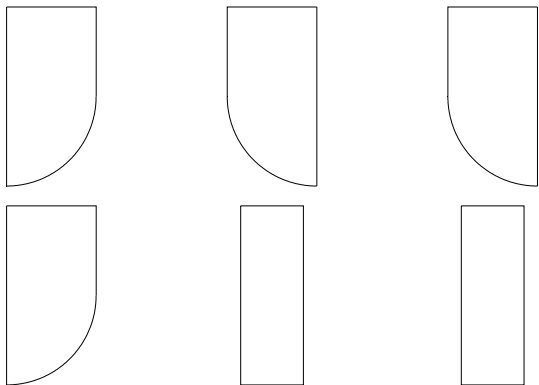
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Height                 | Six Parts Right Lap=None | C2=None |
| C=Length                 | Clip Holes=No            | C3=None |
| D=Six Parts Left Height  | Vee Depth Male=0.000     |         |
| E=Six Parts Right Height | Vee Angle Male=180.000   |         |
|                          | Vee Depth Female=0.000   |         |
|                          | Vee Angle Female=30.000  |         |
|                          | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

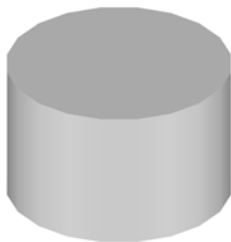
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 349

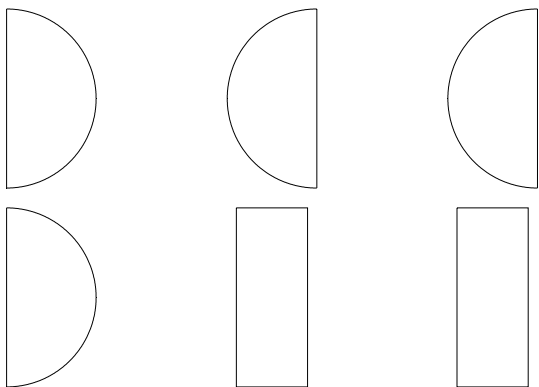
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Length                 | Six Parts Right Lap=None | C2=None |
| C=Six Parts Left Height  | Clip Holes=No            | C3=None |
| D=Six Parts Right Height | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

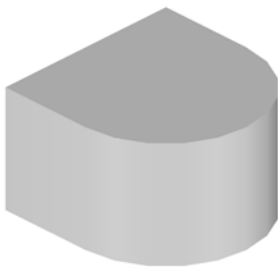
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 350

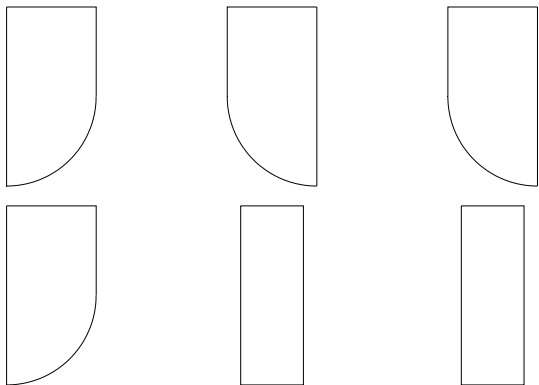
Rectangular



| Dims     |          | Options                  | Conn's  |
|----------|----------|--------------------------|---------|
| A=Radius | B=Height | Six Parts Left Lap=None  | C1=None |
| C=Length |          | Six Parts Right Lap=None | C2=None |
|          |          | Clip Holes=No            | C3=None |
|          |          | Vee Depth Male=0.000     |         |
|          |          | Vee Angle Male=180.000   |         |
|          |          | Vee Depth Female=0.000   |         |
|          |          | Vee Angle Female=30.000  |         |
|          |          | Alternate Weathering=No  |         |
|          |          | Ensure Center Closed=No  |         |

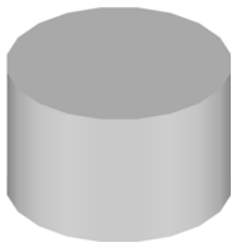
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 351

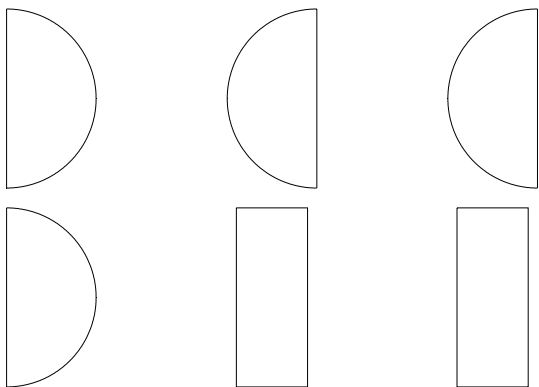
Rectangular



| Dims     |          | Options                  | Conn's  |
|----------|----------|--------------------------|---------|
| A=Radius | B=Length | Six Parts Left Lap=None  | C1=None |
|          |          | Six Parts Right Lap=None | C2=None |
|          |          | Clip Holes=No            | C3=None |
|          |          | Alternate Weathering=No  |         |
|          |          | Ensure Center Closed=No  |         |

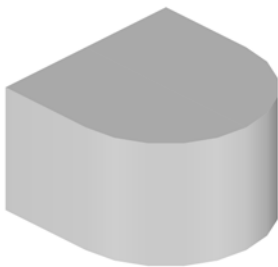
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 352

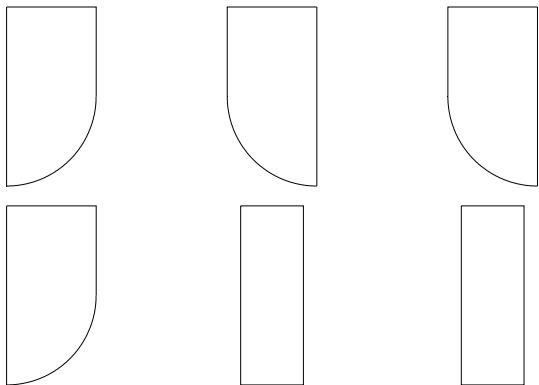
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Height                 | Six Parts Right Lap=None | C2=None |
| C=Length                 | Clip Holes=No            | C3=None |
| D=Six Parts Left Height  | Vee Depth Male=0.000     |         |
| E=Six Parts Right Height | Vee Angle Male=180.000   |         |
|                          | Vee Depth Female=0.000   |         |
|                          | Vee Angle Female=30.000  |         |
|                          | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

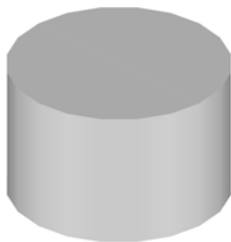
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 353

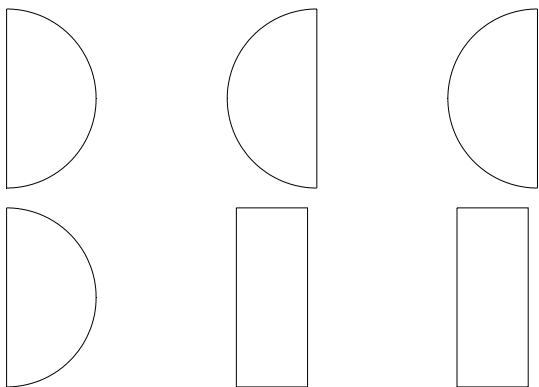
Rectangular



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Radius                 | Six Parts Left Lap=None  | C1=None |
| B=Length                 | Six Parts Right Lap=None | C2=None |
| C=Six Parts Left Height  | Clip Holes=No            | C3=None |
| D=Six Parts Right Height | Alternate Weathering=No  |         |
|                          | Ensure Center Closed=No  |         |

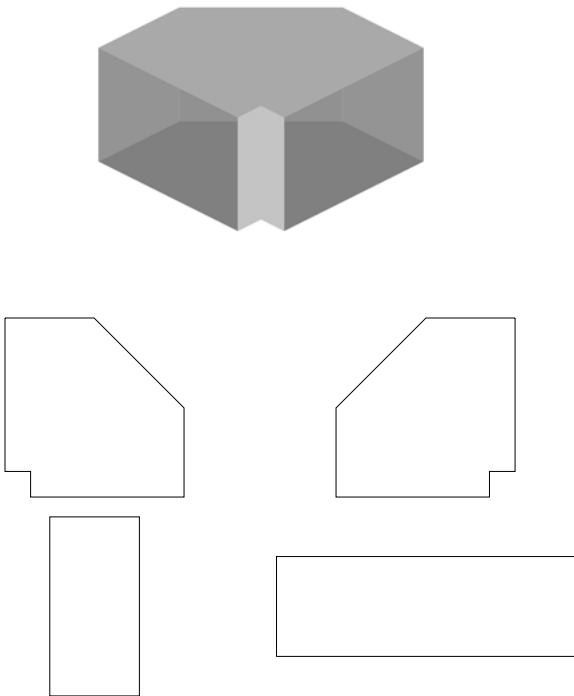
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 354

Rectangular



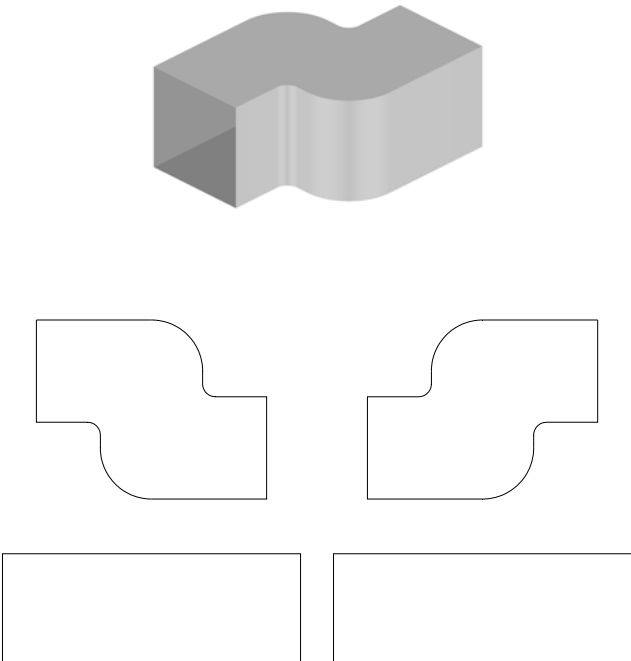
| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Top Width        | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth            | Length Adjust For Part 3=0.000 | C2=None |
| C=Top Extension    | Vee Depth Male=Auto            |         |
| D=Bottom Extension | Vee Depth Female=Auto          |         |
|                    | Vee Angle Male=30              |         |
|                    | Vee Angle Female=30            |         |
|                    | Seam Number For Throat=        |         |
|                    | Leg Lengths=No                 |         |
|                    | Allow Central Tie Rods=Yes     |         |
|                    | Riser Bend=No                  |         |
|                    | Folding Lines=No               |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 366

Rectangular



| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=Left Width      | Vee Depth Male=Auto    | C1=None |
| B=Depth           | Vee Depth Female=Auto  | C2=None |
| C=Right Width     | Vee Notch Angle=20.000 |         |
| D=Length          |                        |         |
| E=Left Extension  |                        |         |
| F=Right Extension |                        |         |
| G=Offset Width    |                        |         |
| H=Top Radius      |                        |         |
| I=Left Radius     |                        |         |
| J=Bottom Radius   |                        |         |
| K=Right Radius    |                        |         |

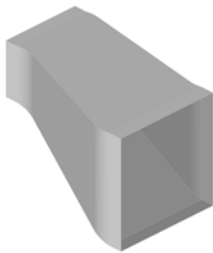
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 367

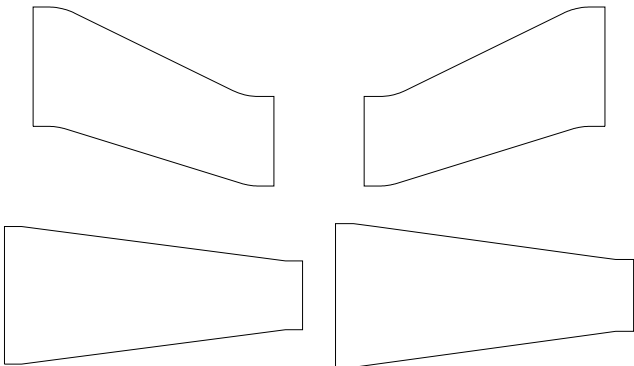
Rectangular



| Dims            | Options                 | Conn's  |
|-----------------|-------------------------|---------|
| A=Width In      | Vee Depth Male=Auto     | C1=None |
| B=Depth In      | Vee Depth Female=Auto   | C2=None |
| C=Width Out     | Vee Angle Male=30       |         |
| D=Depth Out     | Vee Angle Female=30     |         |
| E=Length        | Offset Width=Left In    |         |
| F=Extension In  | Offset Depth=Top Down   |         |
| G=Extension Out | Restricted Flow=Warning |         |
| H=Offset Width  |                         |         |
| I=Offset Depth  |                         |         |
| J=Corner Radius |                         |         |

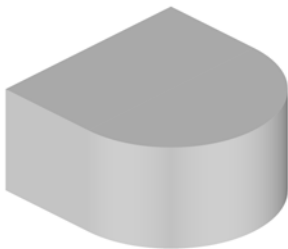
Seams  
S1=None

Damper:



Pattern: 368

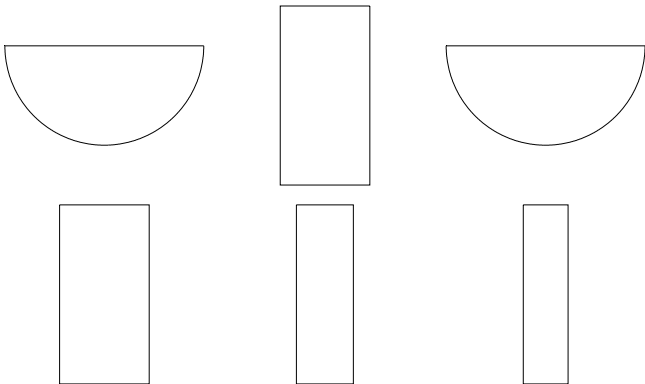
Rectangular



| Dims                    | Options                 | Conn's  |
|-------------------------|-------------------------|---------|
| A=Radius                | Six Parts Left Lap=None | C1=None |
| B=Left Height           | Connector=Left          |         |
| C=Length                | Vee Depth Female=0.000  |         |
| D=Six Parts Left Height | Vee Angle Female=30.000 |         |
| E=Right Height          | Alternate Weathering=No |         |
|                         | Clip Holes=No           |         |

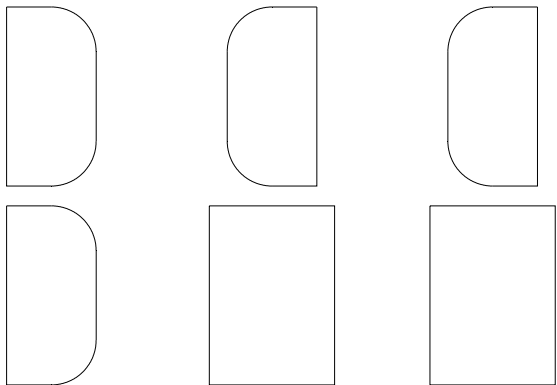
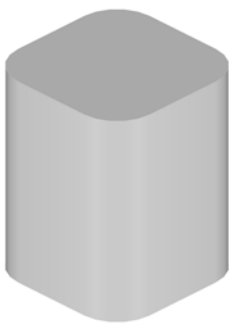
Seams  
S1=None

Damper:



Pattern: 369

Rectangular



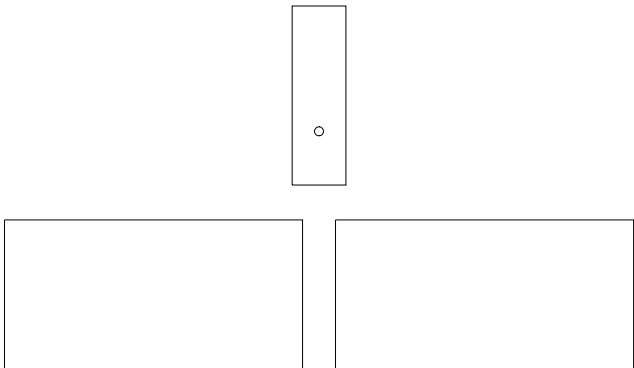
| Dims         |             | Options                  | Conn's  |
|--------------|-------------|--------------------------|---------|
| A=Width      | B=Flat Left | Six Parts Left Lap=None  | C1=None |
| C=Flat Right | D=Depth     | Six Parts Right Lap=None |         |
| E=Length     |             | Parts=2                  |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 382

Rectangular



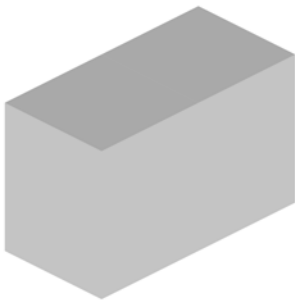
| Dims               |  | Options                    | Conn's  |
|--------------------|--|----------------------------|---------|
| A=Width            |  | Notch Angle For Lid=45.000 | C1=None |
| B=Depth            |  | Collar Allowance=0.000     | C2=None |
| C=Length           |  | Diameter Type=Nominal      |         |
| D=Hole Width #1    |  | Hole Adjust=0.000          |         |
| E=Hole Depth #1    |  | Hole Type=Front            |         |
| F=Hole Radius #1   |  | Vee Notch Angle=Default    |         |
| G=Hole Inset #1    |  | Swap Hole Dims For Side=No |         |
| H=Hole Offset #1   |  | Cost Supports=No           |         |
| I=Hole Collar #1   |  |                            |         |
| J=Hole Rotation #1 |  |                            |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper: None

Pattern: 390

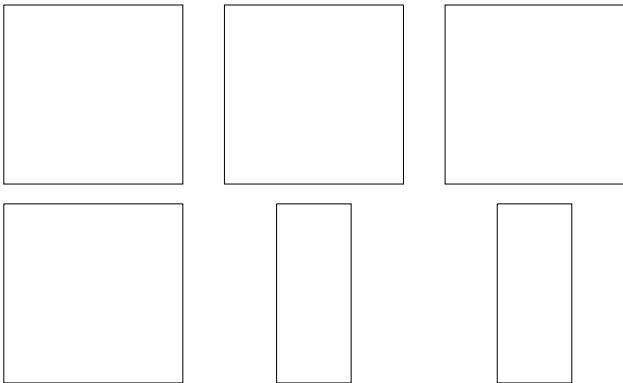
Rectangular



| Dims            | Options                  | Conn's  |
|-----------------|--------------------------|---------|
| A=Left Width    | Six Parts Left Lap=None  | C1=None |
| B=Right Width   | Six Parts Right Lap=None |         |
| C=Depth         | Parts=2                  |         |
| D=Length        |                          |         |
| E=Bottom Radius |                          |         |
| F=Top Radius    |                          |         |
| G=Cross Break   |                          |         |

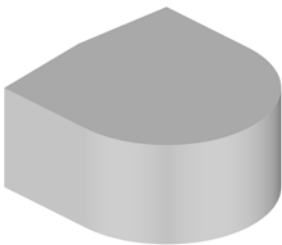
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 397

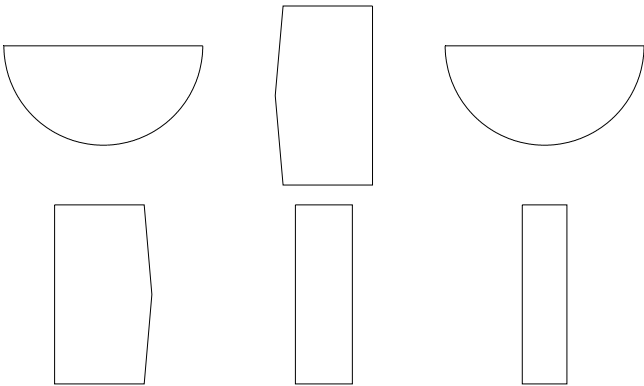
Rectangular



| Dims                    | Options                 | Conn's  |
|-------------------------|-------------------------|---------|
| A=Radius                | Six Parts Left Lap=None | C1=None |
| B=Left Height           | Connector=Left          |         |
| C=Length                | Vee Depth Female=0.000  |         |
| D=Left Angle            | Vee Angle Female=30.000 |         |
| E=Six Parts Left Height | Alternate Weathering=No |         |
| F=Right Angle           | Clip Holes=No           |         |
| G=Right Height          | Split Radius Parts=No   |         |

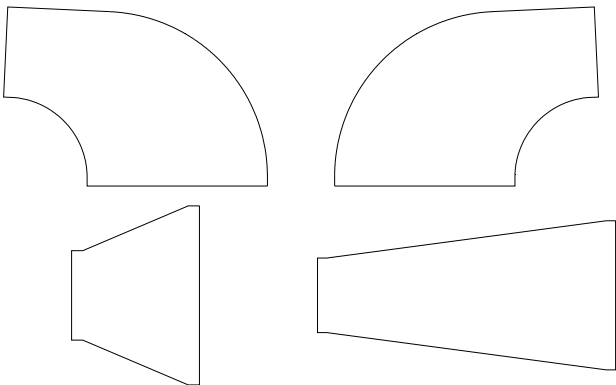
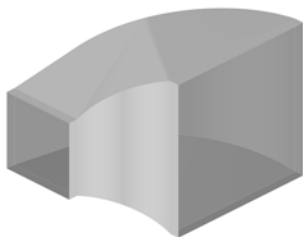
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 399

Rectangular



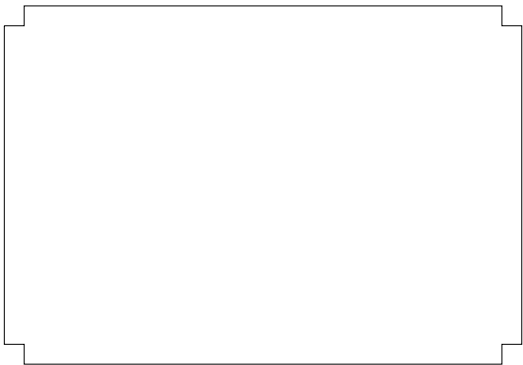
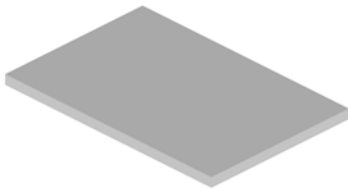
| Dims               |  | Options                     | Conn's  |
|--------------------|--|-----------------------------|---------|
| A=Btm Width        |  | Throat Type=Radius          | C1=None |
| B=Btm Depth        |  | Vee Depth Male=Auto         | C2=None |
| C=Top Width        |  | Vee Depth Female=Auto       |         |
| D=Top Depth        |  | Vee Angle Male=30           |         |
| E=Angle            |  | Vee Angle Female=30         |         |
| F=Top Extension    |  | Offset=Top Down             |         |
| G=Bottom Extension |  | Bending=Left                |         |
| H=Inner Radius     |  | Allow Central Tie Rods=Yes  |         |
| I=Offset           |  | Splitter Slit Angle=10.000  |         |
|                    |  | Intersect Splitter Holes=No |         |

Seams  
S1=None

Damper:

Pattern: 401

Rectangular



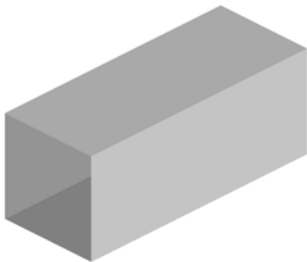
| Dims |     |     | Options                 | Conn's  |
|------|-----|-----|-------------------------|---------|
| A=a  | B=b | C=e | Vee Notch Angle=90      | C1=None |
|      |     |     | Duct Adjust=0.000       |         |
|      |     |     | Minimum Part Area=0.000 |         |

Seams

Damper:

Pattern: 410

Rectangular

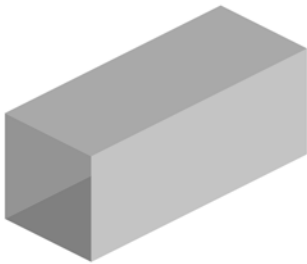


| Dims |     |     | Options   | Conn's             |
|------|-----|-----|---|--------------------|
| A=a  | B=b | C=l | Straight Type=1 Part Straight<br>Female Allow=Shortest Side<br>1xU,1xl=Shortest Side<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Beading=No<br>Insulation UI=Shortest Side | C1=None<br>C2=None |
|      |     |     |   | Seams<br>S1=None   |

Damper:

Pattern: 411

Rectangular

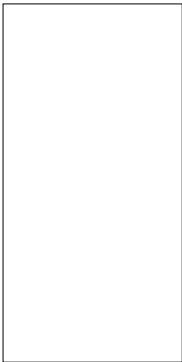
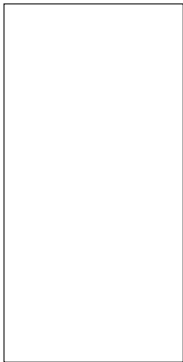
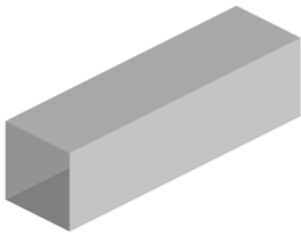


| Dims |     |     | Options   | Conn's             |
|------|-----|-----|---|--------------------|
| A=a  | B=b | C=l | Straight Type=1 Part Straight<br>Female Allow=Shortest Side<br>1xU,1xl=Shortest Side<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Beading=No<br>Insulation UI=Shortest Side | C1=None<br>C2=None |
|      |     |     |   | Seams<br>S1=None   |

Damper:

Pattern: 412

Rectangular



| Dims |     |     |     |     | Options                          | Conn's  |
|------|-----|-----|-----|-----|----------------------------------|---------|
| A=a  | B=b | C=l | D=e | E=f | Straight Type=1 Part Straight    | C1=None |
| F=a  | G=b |     |     |     | Female Allow=Shortest Side       | C2=None |
|      |     |     |     |     | 1xU,1xl=Shortest Side            |         |
|      |     |     |     |     | Connector Fold Notch=Use Default |         |
|      |     |     |     |     | Vee Notch Depth=Auto             |         |
|      |     |     |     |     | Vee Notch Angle=30.000           |         |
|      |     |     |     |     | Duct Adjust=0.000                |         |
|      |     |     |     |     | Connector Fold Notch=Use Default |         |
|      |     |     |     |     | Vee Notch Depth=Auto             |         |
|      |     |     |     |     | Vee Notch Angle=30.000           |         |
|      |     |     |     |     | Beading=No                       |         |
|      |     |     |     |     | Insulation UI=Shortest Side      |         |
|      |     |     |     |     |                                  | Seams   |
|      |     |     |     |     |                                  | S1=None |

Damper:

Pattern: 415

Rectangular



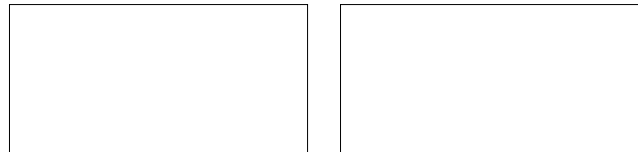
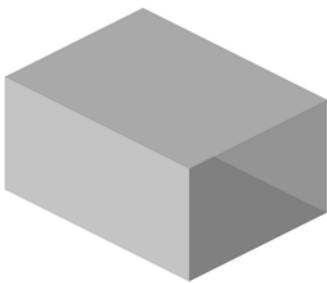
| Dims |     |     |     |     | Options             | Conn's  |
|------|-----|-----|-----|-----|---------------------|---------|
| A=a  | B=b | C=c | D=d | E=e | 1 Part Straight=Yes | C1=None |
| F=f  | G=l |     |     |     |                     | C2=None |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 417

Rectangular



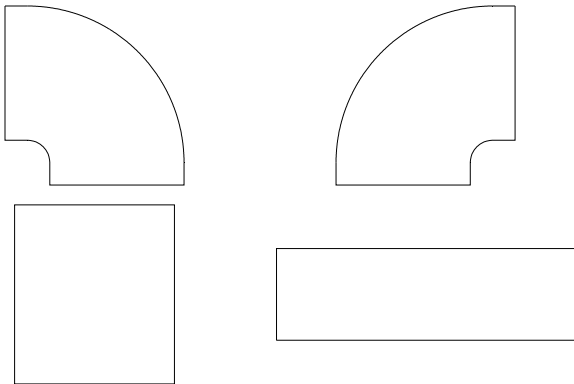
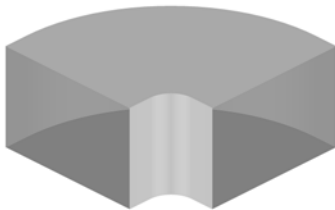
| Dims |     |     |     | Options                          | Conn's  |
|------|-----|-----|-----|----------------------------------|---------|
| A=a  | B=d | C=b | D=l | Throat Type=Mitred               | C1=None |
|      |     |     |     | 2 Parts=Yes                      | C2=None |
|      |     |     |     | Vee Depth Male=Auto              |         |
|      |     |     |     | Vee Depth Female=Auto            |         |
|      |     |     |     | Vee Notch Angle=30.000           |         |
|      |     |     |     | Connector Fold Notch=Use Default |         |
|      |     |     |     | Vee Notch Depth=Auto             |         |
|      |     |     |     | Vee Notch Angle=30.000           |         |
|      |     |     |     | Connector Fold Notch=Use Default |         |
|      |     |     |     | Vee Notch Depth=Auto             |         |
|      |     |     |     | Vee Notch Angle=30.000           |         |
|      |     |     |     | Dynamic Hole Adjust=Auto         |         |

Seams  
S1=None

Damper: None  
None

Pattern: 420

Rectangular



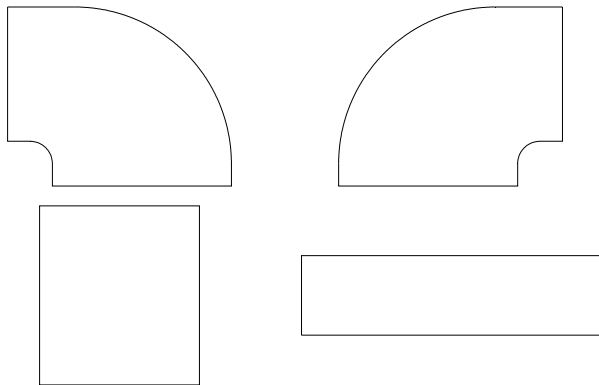
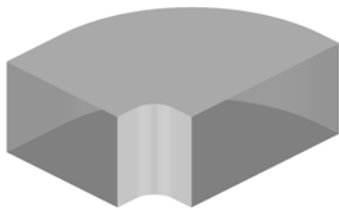
| Dims |     |     |     |     | Options                        | Conn's  |
|------|-----|-----|-----|-----|--------------------------------|---------|
| A=a  | B=b | C=e | D=f | E=r | Throat Type=Radius             | C1=None |
|      |     |     |     | F=l | Length Adjust For Part 4=0.000 | C2=None |
|      |     |     |     |     | Length Adjust For Part 3=0.000 |         |
|      |     |     |     |     | Vee Depth Male=Auto            |         |
|      |     |     |     |     | Vee Depth Female=Auto          |         |
|      |     |     |     |     | Vee Angle Male=30              |         |
|      |     |     |     |     | Vee Angle Female=30            |         |
|      |     |     |     |     | Auto Oversize=Normal           |         |
|      |     |     |     |     | Seam Number For Throat=        |         |
|      |     |     |     |     | 2 Part Wrapper=No              |         |
|      |     |     |     |     | Leg Lengths=No                 |         |
|      |     |     |     |     | Allow Central Tie Rods=Yes     |         |
|      |     |     |     |     | Riser Bend=No                  |         |
|      |     |     |     |     | Mark Splitter Sides=No         |         |

Seams  
S1=None  
S2=None

Damper:

Pattern: 421

Rectangular



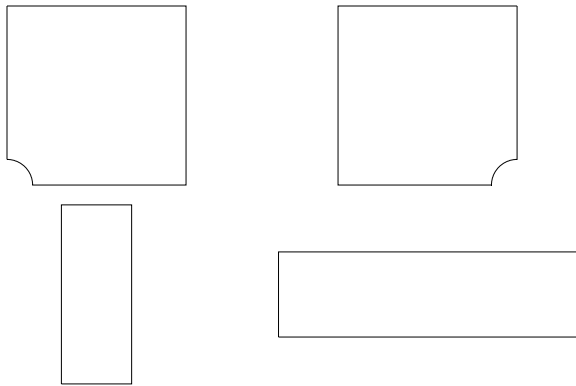
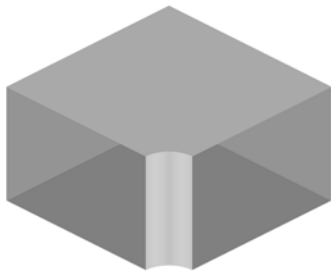
| Dims |     |     |     |     | Options                        | Conn's  |
|------|-----|-----|-----|-----|--------------------------------|---------|
| A=a  | B=b | C=d | D=e | E=f | Throat Type=Radius             | C1=None |
| F=r  | G=l |     |     |     | Length Adjust For Part 4=0.000 | C2=None |
|      |     |     |     |     | Length Adjust For Part 3=0.000 |         |
|      |     |     |     |     | Vee Depth Male=Auto            |         |
|      |     |     |     |     | Vee Depth Female=Auto          |         |
|      |     |     |     |     | Vee Angle Male=30              |         |
|      |     |     |     |     | Vee Angle Female=30            |         |
|      |     |     |     |     | Auto Oversize=Normal           |         |
|      |     |     |     |     | Seam Number For Throat=        |         |
|      |     |     |     |     | 2 Part Wrapper=No              |         |
|      |     |     |     |     | Leg Lengths=No                 |         |
|      |     |     |     |     | Allow Central Tie Rods=Yes     |         |
|      |     |     |     |     | Riser Bend=No                  |         |
|      |     |     |     |     | Mark Splitter Sides=No         |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 430

Rectangular



| Dims |     |     |     |     | Options                        | Conn's  |
|------|-----|-----|-----|-----|--------------------------------|---------|
| A=a  | B=b | C=e | D=f | E=r | Throat Type=Radius             | C1=None |
| F=l  |     |     |     |     | Length Adjust For Part 4=0.000 | C2=None |
|      |     |     |     |     | Length Adjust For Part 3=0.000 |         |
|      |     |     |     |     | Vee Depth Male=Auto            |         |
|      |     |     |     |     | Vee Depth Female=Auto          |         |
|      |     |     |     |     | Vee Angle Male=30              |         |
|      |     |     |     |     | Vee Angle Female=30            |         |
|      |     |     |     |     | 3 Parts=No                     |         |
|      |     |     |     |     | Auto Oversize=Normal           |         |
|      |     |     |     |     | Seam Number For Throat=        |         |
|      |     |     |     |     | 2 Part Wrapper=No              |         |
|      |     |     |     |     | Leg Lengths=No                 |         |
|      |     |     |     |     | Allow Central Tie Rods=Yes     |         |
|      |     |     |     |     | Riser Bend=No                  |         |
|      |     |     |     |     | Mark Splitter Sides=No         |         |

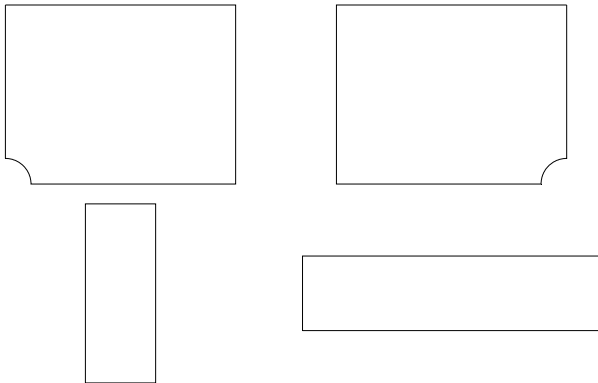
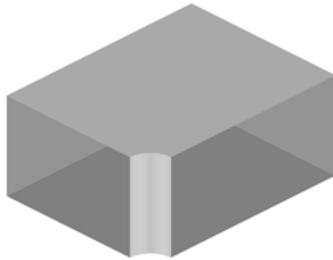
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



# Pattern: 431

Rectangular



| Dims                           | Options   | Conn's             |
|--------------------------------|---|--------------------|
| A=a B=b C=d D=e E=f<br>F=r G=l | Throat Type=Radius<br>Length Adjust For Part 4=0.000<br>Length Adjust For Part 3=0.000<br>Vee Depth Male=Auto<br>Vee Depth Female=Auto<br>Vee Angle Male=30<br>Vee Angle Female=30<br>3 Parts=No<br>Auto Oversize=Normal<br>Seam Number For Throat=<br>2 Part Wrapper=No<br>Leg Lengths=No<br>Allow Central Tie Rods=Yes<br>Riser Bend=No<br>Mark Splitter Sides=No | C1=None<br>C2=None |

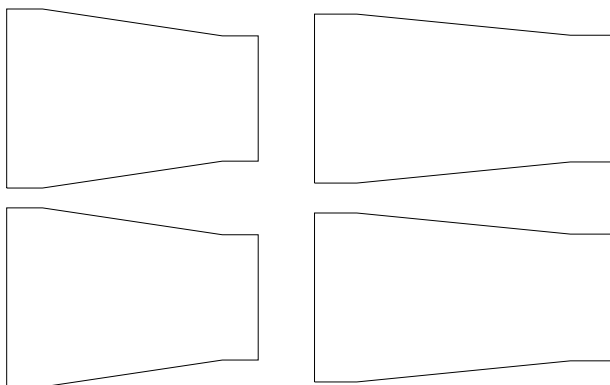
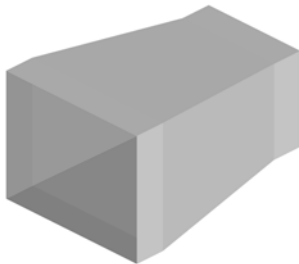
## Seams

S1=None  
S2=None

Damper:

# Pattern: 440

Rectangular



| Dims                                | Options   | Conn's             |
|-------------------------------------|---|--------------------|
| A=a B=b C=c D=d E=h F=m G=l H=Angle | 2 Parts=No<br>3 Parts=No<br>Vee Depth Male=Auto<br>Vee Depth Female=Auto<br>Vee Notch Angle=20.000<br>Taper Notch If Straight Edge (Female)=No<br>Female Allow=Shortest Slope<br>2-Sided Part Allowance=Auto<br>Taper Notch If Straight Edge (Male)=No<br>Use Taper Notch For 2 Parts=Yes<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Input=Length<br>Vee Notch Depth If Straight Edge (Female)...<br>Maximum Angle=180.000<br>Splitter Turnover=0.000<br>Splitter Extension=0.000<br>Splitter Adjust=0.000<br>Connector Fold Notch=Use Default<br>Vee Notch Depth=Auto<br>Vee Notch Angle=30.000<br>Splitter Hole Diameter=0.000<br>Number Of Holes=0.000<br>Splitters=Half<br>Hole Inset=0.000<br>Fixing Holes on Turnover=No<br>Seam Cut Back=0.000 | C1=None<br>C2=None |

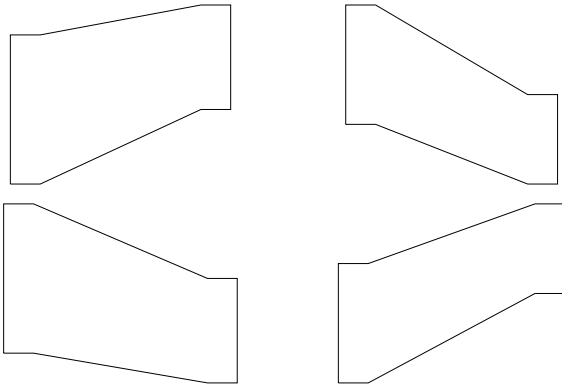
## Seams

S1=None

Damper:

## Pattern: 441

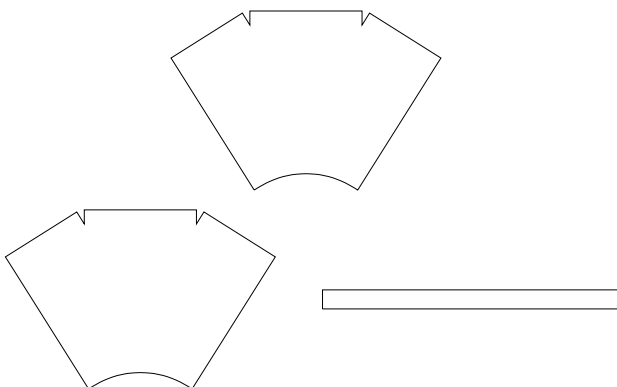
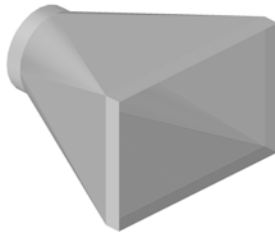
Rectangular



| Dims |         | Options                                      | Conn's       |
|------|---------|--|--------------|
| A=a  | B=b     | 2 Parts=No                                   | C1=None      |
| C=c  | D=d     | 3 Parts=No                                   | C2=None      |
| E=e  | F=f     | Vee Depth Male=Auto                          |              |
| G=h  | H=m     | Vee Depth Female=Auto                        |              |
| I=l  | J=Angle | Vee Notch Angle=20.000                       |              |
|      |         | Taper Notch If Straight Edge (Female)=No     |              |
|      |         | Female Allow=Shortest Slope                  |              |
|      |         | 2-Sided Part Allowance=Auto                  |              |
|      |         | Taper Notch If Straight Edge (Male)=No       |              |
|      |         | Use Taper Notch For 2 Parts=Yes              |              |
|      |         | Connector Fold Notch=Use Default             |              |
|      |         | Vee Notch Depth=Auto                         |              |
|      |         | Vee Notch Angle=30.000                       |              |
|      |         | Input=Length                                 |              |
|      |         | Vee Notch Depth If Straight Edge (Female)... |              |
|      |         | Maximum Angle=180.000                        |              |
|      |         | Splitter Turnover=0.000                      |              |
|      |         | Splitter Extension=0.000                     |              |
|      |         | Splitter Adjust=0.000                        |              |
|      |         | Connector Fold Notch=Use Default             |              |
|      |         | Vee Notch Depth=Auto                         |              |
|      |         | Vee Notch Angle=30.000                       |              |
|      |         | Splitter Hole Diameter=0.000                 |              |
|      |         | Number Of Holes=0.000                        |              |
|      |         | Splitters=Half                               |              |
|      |         | Hole Inset=0.000                             |              |
|      |         | Fixing Holes on Turnover=No                  |              |
|      |         | Seam Cut Back=0.000                          |              |
|      |         |  | <b>Seams</b> |
|      |         |  | S1=None      |
|      |         |  | Damper:      |

## Pattern: 450

Rectangular/Round

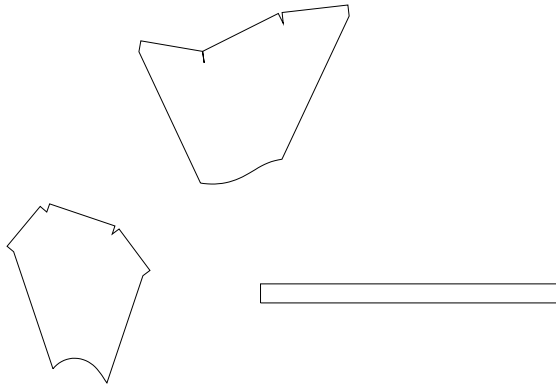
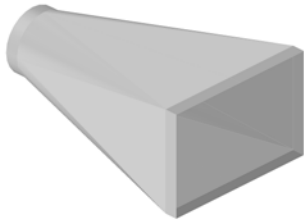


| Dims            |  | Options                          | Conn's       |
|-----------------|--|----------------------------------|--------------|
| A=a             |  | Cross Break=2                    | C1=None      |
| B=b             |  | Length Break=1                   | C2=None      |
| C=d             |  | Diameter Type=Nominal            |              |
| D=h             |  | Seam Position=Width              |              |
| E=m             |  | Marker Type=Notch                |              |
| F=l             |  | Offset Width=Left In             |              |
| G=Corner Radius |  | Offset Depth=Bottom Up           |              |
|                 |  | Inlet=1                          |              |
|                 |  | Outlet=2                         |              |
|                 |  | Fold Notch Depth=Full Allowance  |              |
|                 |  | V Notch Rectangular Extension=No |              |
|                 |  | Seam Cut Back=None               |              |
|                 |  | Cut Back Allowance (%)=50.000    |              |
|                 |  | 2 Parts 90 Degrees Seam=No       |              |
|                 |  |                                  | <b>Seams</b> |
|                 |  |                                  | S1=None      |

Damper: None

## Pattern: 451

Rectangular/Round



| Dims            | Options                          | Conn's  |
|-----------------|----------------------------------|---------|
| A=a             | Cross Break=2                    | C1=None |
| B=b             | Length Break=1                   | C2=None |
| C=d             | Diameter Type=Nominal            |         |
| D=e             | Seam Position=Width              |         |
| E=f             | Marker Type=Notch                |         |
| F=h             | Offset Width=Left In             |         |
| G=m             | Offset Depth=Bottom Up           |         |
| H=l             | Inlet=1                          |         |
| I=Corner Radius | Outlet=2                         |         |
|                 | Fold Notch Depth=Full Allowance  |         |
|                 | V Notch Rectangular Extension=No |         |
|                 | Seam Cut Back=None               |         |
|                 | Cut Back Allowance (%)=50.000    |         |
|                 | 2 Parts 90 Degrees Seam=No       |         |

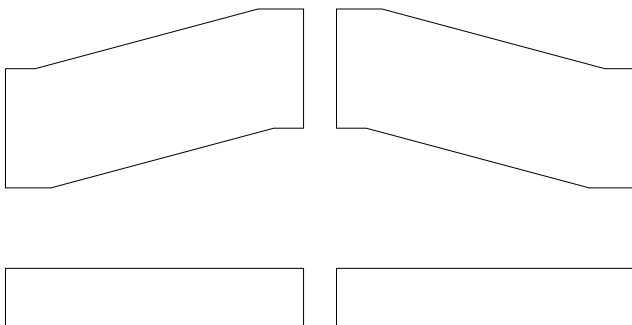
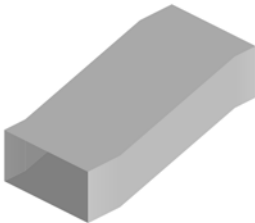
### Seams

S1=None

Damper: None

## Pattern: 460

Rectangular



| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=a               | Vee Depth Male=Auto    | C1=None |
| B=b               | Vee Depth Female=Auto  | C2=None |
| C=e               | Vee Notch Angle=30.000 |         |
| D=h               | Offset=Bottom Up       |         |
| E=m               | Split Mitre=No         |         |
| F=l               |                        |         |
| G=Angle           |                        |         |
| H=Left Extension  |                        |         |
| I=Right Extension |                        |         |
| J=Right Width     |                        |         |

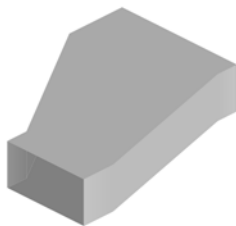
### Seams

S1=None

Damper: None  
None

Pattern: 461

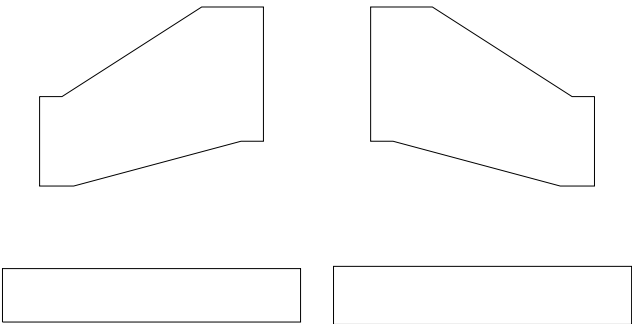
Rectangular



| Dims              | Options                | Conn's  |
|-------------------|------------------------|---------|
| A=a               | Vee Depth Male=Auto    | C1=None |
| B=b               | Vee Depth Female=Auto  | C2=None |
| C=d               | Vee Notch Angle=30.000 |         |
| D=e               | Offset=Bottom Up       |         |
| E=h               | Split Mitre=No         |         |
| F=m               |                        |         |
| G=l               |                        |         |
| H=Angle           |                        |         |
| I=Left Extension  |                        |         |
| J=Right Extension |                        |         |
| K=Right Width     |                        |         |

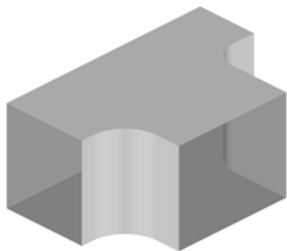
Seams  
S1=None

Damper: None  
None



Pattern: 470

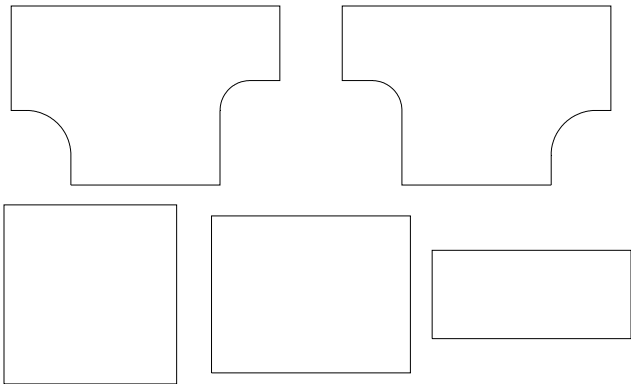
Rectangular



| Dims                | Options                | Conn's  |
|---------------------|------------------------|---------|
| A=a                 | Throat Type=Radius     | C1=None |
| B=b                 | 3 Parts=No             | C2=None |
| C=d                 | Vee Depth Male=Auto    | C3=None |
| D=h                 | Vee Depth Female=Auto  |         |
| E=i                 | Vee Notch Angle=30.000 |         |
| F=j                 | Hole Diameter=0.500    |         |
| G=p                 | Hole Spacing=2.000     |         |
| H=q                 | Splitters=No           |         |
| I=r                 | Inlet=1                |         |
| J=Splitter Distance | Outlet=2               |         |

Seams  
S1=None

Damper:



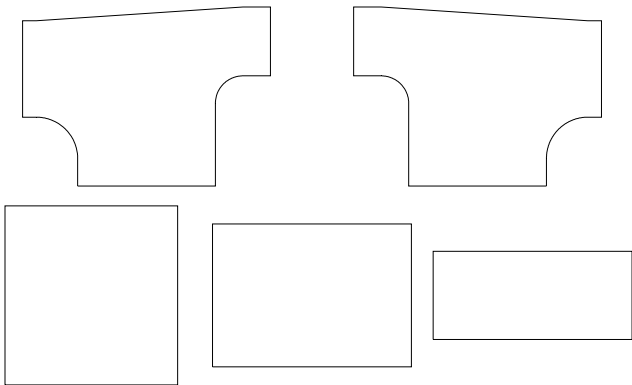
Pattern: 471

Rectangular



| Dims                | Options                | Conn's  |
|---------------------|------------------------|---------|
| A=a                 | Throat Type=Radius     | C1=None |
| B=b                 | 3 Parts=No             | C2=None |
| C=d                 | Vee Depth Male=Auto    | C3=None |
| D=e                 | Vee Depth Female=Auto  |         |
| E=h                 | Vee Notch Angle=30.000 |         |
| F=i                 | Hole Diameter=0.500    |         |
| G=j                 | Hole Spacing=2.000     |         |
| H=p                 | Splitters=No           |         |
| I=q                 | Inlet=1                |         |
| J=r                 | Outlet=2               |         |
| K=Splitter Distance |                        |         |
|                     |                        | Seams   |
|                     |                        | S1=None |

Damper:



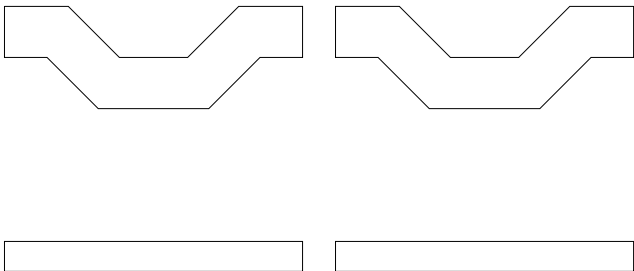
Pattern: 472

Rectangular



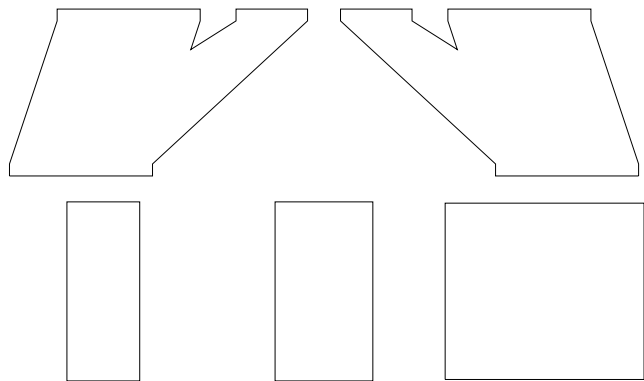
| Dims              | Options                       | Conn's  |
|-------------------|-------------------------------|---------|
| A=Left Width      | Vee Depth Male=Auto           | C1=None |
| B=Depth           | Vee Depth Female=Auto         | C2=None |
| C=Right Width     | Vee Notch Angle=30.000        |         |
| D=Centre Length   | Length Includes Extensions=No |         |
| E=Left Extension  | Centre Width=No               |         |
| F=Right Extension |                               |         |
| G=Offset          |                               |         |
| H=Angle           |                               |         |
| I=Total Length    |                               |         |
|                   |                               | Seams   |
|                   |                               | S1=None |

Damper:



Pattern: 480

Rectangular



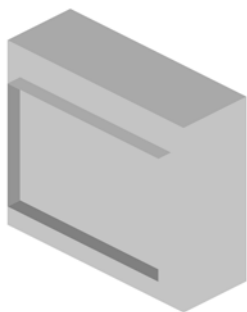
| Dims            |  | Options                | Conn's  |
|-----------------|--|------------------------|---------|
| A=a             |  | Vee Depth Male=Auto    | C1=None |
| B=b             |  | Vee Depth Female=Auto  | C2=None |
| C=d             |  | Vee Angle Male=30      | C3=None |
| D=e             |  | Vee Angle Female=30    |         |
| E=h             |  | Offset Depth=Bottom Up |         |
| F=i             |  | Offset Width=Left Out  |         |
| G=j             |  |                        |         |
| H=l             |  |                        |         |
| I=m             |  |                        |         |
| J=Branch Height |  |                        |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 501

Rectangular/Equipment



| Dims     |         | Options               | Conn's  |
|----------|---------|-----------------------|---------|
| A=Width  | B=Depth | Install Type=Plain    | C1=None |
| C=Length | D=Inset | Control Type=None     | C2=None |
| E=Sides  | F=Top   | Type=Single           |         |
|          |         | Temperature Type=None |         |
|          |         | Draw Type=None        |         |
|          |         | Lines=No              |         |
|          |         | Cost Supports=No      |         |
|          |         | Lines Type=Quantity   |         |
|          |         | Lines=3.000           |         |

| Seams |
|-------|
|-------|

Damper:

Pattern: 502

Rectangular/Equipment



| Dims     |         | Options                | Conn's  |
|----------|---------|------------------------|---------|
| A=Width  | B=Depth | Install Type=Plain     | C1=None |
| C=Length | D=Inset | Control Type=None      | C2=None |
| E=Sides  | F=Top   | Type=Single            |         |
| G=Bottom |         | Temperature Type=None  |         |
|          |         | Draw Type=None         |         |
|          |         | Lines=No               |         |
|          |         | Connector 1 Outside=No |         |
|          |         | Connector 2 Outside=No |         |
|          |         | Cost Supports=No       |         |
|          |         | Lines Type=Quantity    |         |
|          |         | Lines=3.000            |         |

Seams

Damper:

Pattern: 503

Rectangular/Equipment



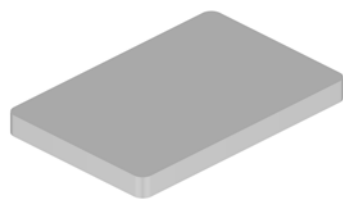
| Dims                   |  | Options                     | Conn's  |
|------------------------|--|-----------------------------|---------|
| A=Width                |  | Position From=Edge          | C1=None |
| B=Depth                |  | Lines=3                     | C2=None |
| C=Height               |  | Rotation=0.000              |         |
| D=Plate Border (Width) |  | Arrows/Lines=None           |         |
| E=Plate Border (Depth) |  | Arrows/Lines Sides=0        |         |
|                        |  | Lines/Circles Spacing=1.000 |         |
|                        |  | Arrows Direction=Auto       |         |
|                        |  | Circles=No                  |         |
|                        |  | Arrows Type=1               |         |

Seams

Damper:

Pattern: 504

Rectangular



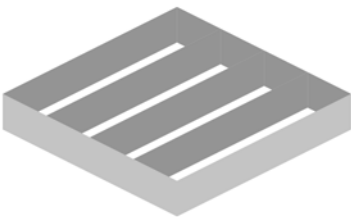
| Dims             | Options                   | Conn's  |
|------------------|---------------------------|---------|
| A=Width          | Number Of Locks=0         | C1=None |
| B=Depth          | Area Of Influence X=0.000 | C2=None |
| C=Turnover       | Area Of Influence Y=0.000 |         |
| D=Corner Radius  | Area Of Influence Z=0.000 |         |
| E=Inner Diameter | Mirror=No                 |         |
| F=Outer Diameter | Dynamic Hole Adjust=Auto  |         |
| G=Depth #1       |                           |         |
| H=Depth #2       |                           |         |
| I=Inset          |                           |         |

Seams

Damper:

Pattern: 505

Rectangular/Equipment



| Dims                   | Options                     | Conn's  |
|------------------------|-----------------------------|---------|
| A=Width                | Type=Supply                 | C1=None |
| B=Depth                | Position From=Edge          | C2=None |
| C=Height               | Lines=3                     |         |
| D=Plate Border (Width) | Rotation=0.000              |         |
| E=Plate Border (Depth) | Arrows/Lines=None           |         |
|                        | Arrows/Lines Sides=0        |         |
|                        | Lines/Circles Spacing=1.000 |         |
|                        | Arrows Direction=Auto       |         |
|                        | Circles=No                  |         |
|                        | Arrows Type=1               |         |
|                        | Cost Supports=No            |         |

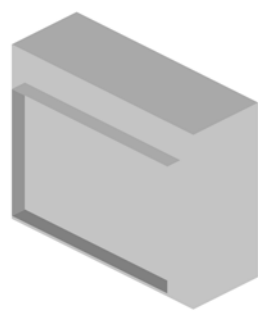
Seams

Damper:



Pattern: 506

Rectangular/Equipment

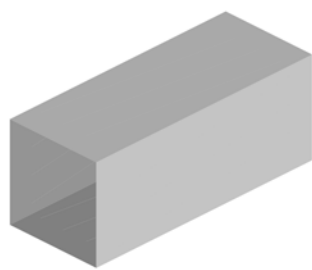


| Dims     |         | Options                | Conn's  |
|----------|---------|------------------------|---------|
| A=Width  | B=Depth | Install Type=Plain     | C1=None |
| C=Length | D=Inset | Control Type=None      |         |
| E=Sides  | F=Top   | Type=Single            |         |
| G=Bottom |         | Temperature Type=None  |         |
|          |         | Draw Type=None         |         |
|          |         | Lines=No               |         |
|          |         | Connector 1 Outside=No |         |
|          |         | Connector 2 Outside=No |         |
|          |         | Cost Supports=No       |         |
|          |         | Lines Type=Quantity    |         |
|          |         | Lines=3.000            |         |
|          |         |                        | Seams   |

Damper:

Pattern: 507

Rectangular/Equipment

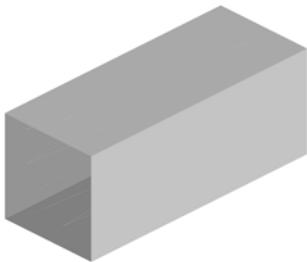


| Dims           |  | Options             | Conn's  |
|----------------|--|---------------------|---------|
| A=Width        |  | Type=Plain          | C1=None |
| B=Depth        |  | Type=Single         | C2=None |
| C=Length       |  | Type=Multiple Banks |         |
| D=Damper Angle |  | X-Offset=0.000      |         |
|                |  | Y-Offset=0.000      |         |
|                |  | Develop=No          |         |
|                |  |                     | Seams   |

Damper:

Pattern: 514

Rectangular/Equipment



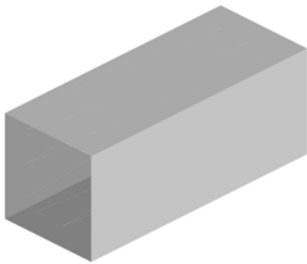
| Dims           | Options             | Conn's  |
|----------------|---------------------|---------|
| A=Width        | Type=Plain          | C1=None |
| B=Depth        | Type=Single         | C2=None |
| C=Length       | Type=Multiple Banks |         |
| D=Damper Angle | X-Offset=0.000      |         |
|                | Y-Offset=0.000      |         |
|                | Develop=No          |         |

Seams

Damper:

Pattern: 515

Rectangular/Equipment



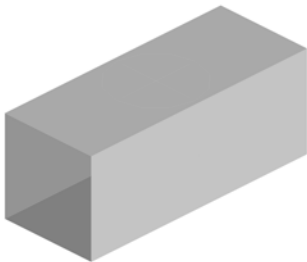
| Dims           | Options             | Conn's  |
|----------------|---------------------|---------|
| A=Width        | Type=Plain          | C1=None |
| B=Depth        | Type=Single         |         |
| C=Length       | Type=Multiple Banks |         |
| D=Damper Angle | X-Offset=0.000      |         |
|                | Y-Offset=0.000      |         |
|                | Develop=No          |         |

Seams

Damper:

Pattern: 518

Rectangular/Equipment



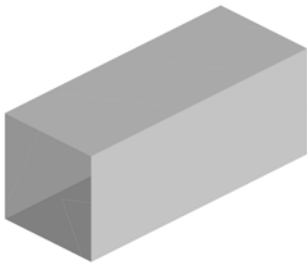
| Dims     |         | Options     | Conn's  |
|----------|---------|-------------|---------|
| A=Width  | B=Depth | Type=Heater | C1=None |
| C=Length |         | Chevron=0   | C2=None |
|          |         | Develop=No  |         |

Seams

Damper:

Pattern: 519

Rectangular/Equipment



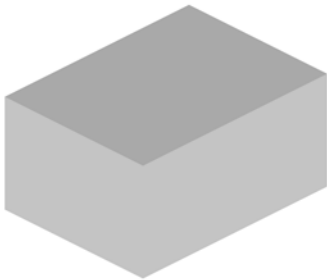
| Dims     |         | Options              | Conn's  |
|----------|---------|----------------------|---------|
| A=Width  | B=Depth | Draw Type=Attenuator | C1=None |
| C=Length |         | Develop=No           | C2=None |
|          |         | Lines Type=Quantity  |         |
|          |         | Lines=3.000          |         |

Seams

Damper:

Pattern: 521

Rectangular/Standard/Equipment



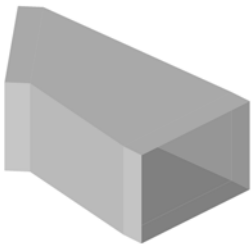
| Dims     |         | Options          | Conn's |
|----------|---------|------------------|--------|
| A=Width  | B=Depth | Inlet=1          |        |
| C=Length |         | Outlet=1         |        |
|          |         | Library=Duct     |        |
|          |         | Type=None        |        |
|          |         | Cost Supports=No |        |

Seams

Damper:

Pattern: 525

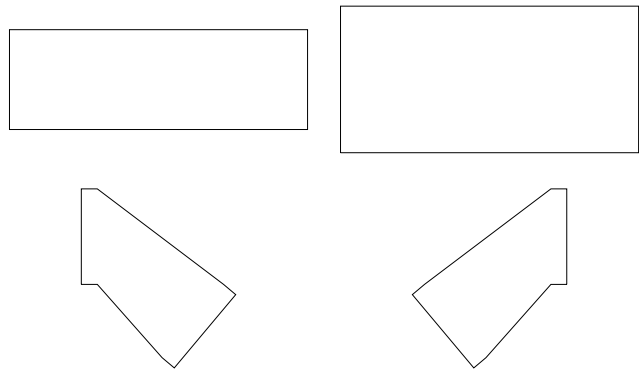
Rectangular



| Dims            |  | Options               | Conn's  |
|-----------------|--|-----------------------|---------|
| A=Width In      |  | Folds=Out             | C1=None |
| B=Depth In      |  | Offset Width=Right In | C2=None |
| C=Width Out     |  | New Pattern=No        |         |
| D=Depth Out     |  |                       |         |
| E=Length        |  |                       |         |
| F=Angle         |  |                       |         |
| G=Extension In  |  |                       |         |
| H=Extension Out |  |                       |         |
| I=Offset Width  |  |                       |         |

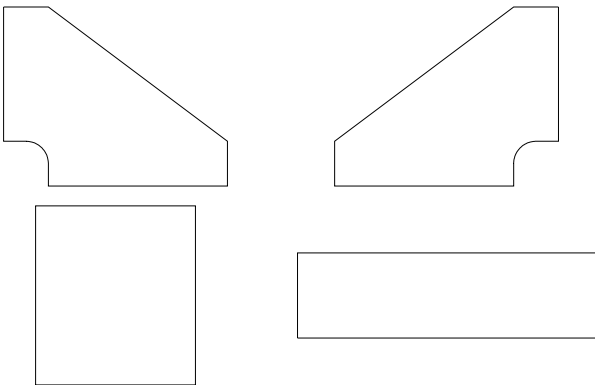
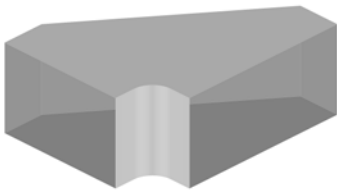
Seams  
S1=None

Damper:



Pattern: 526

Rectangular



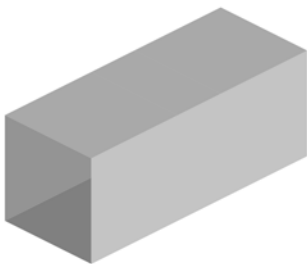
| Dims                     | Options                        | Conn's  |
|--------------------------|--------------------------------|---------|
| A=Top Width              | Throat Type=Radius             | C1=None |
| B=Depth                  | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width              | Length Adjust For Part 3=0.000 |         |
| D=Top Inner Extension    | Vee Depth Male=Auto            |         |
| E=Bottom Inner Extension | Vee Depth Female=Auto          |         |
| F=Inner Radius           | Vee Angle Male=30              |         |
| G=Top Outer Extension    | Vee Angle Female=30            |         |
| H=Bottom Outer Extension | Auto Oversize=Normal           |         |
|                          | Seam Number For Throat=        |         |
|                          | Leg Lengths=No                 |         |
|                          | Allow Central Tie Rods=Yes     |         |
|                          | Riser Bend=No                  |         |
|                          | Folding Lines=No               |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 535

Rectangular/Equipment



| Dims     | Options | Conn's              |
|----------|---------|---------------------|
| A=Width  | B=Depth | Draw Type=None      |
| C=Length |         | Develop=No          |
|          |         | Lines Type=Quantity |
|          |         | Lines=3.000         |

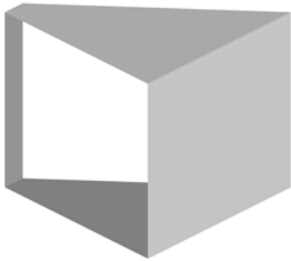
| Seams |
|-------|
|-------|

Damper:

Pattern: 760

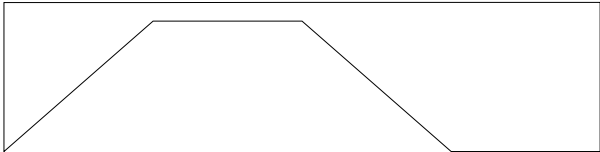
Rectangular

| Dims        |         | Options            | Conn's  |
|-------------|---------|--------------------|---------|
| A=Width     | B=Depth | Branch Parts=1     | C1=None |
| C=Length #1 | D=Angle | Input=Both Lengths | C2=None |
| E=Length #2 | F=Width |                    |         |



Seams  
S1=None

Damper:



Pattern: 761

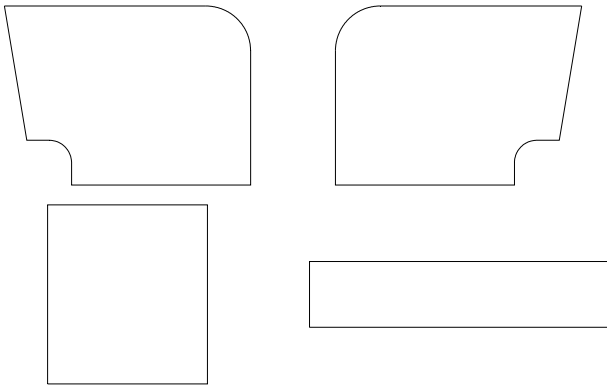
Rectangular

| Dims                  |                    | Options                        | Conn's  |
|-----------------------|--------------------|--------------------------------|---------|
| A=Top Width           | B=Depth            | Throat Type=Radius             | C1=None |
| C=Btm Width           | D=Angle            | Length Adjust For Part 4=0.000 | C2=None |
| E=Top Inner Extension | F=Bottom Extension | Length Adjust For Part 3=0.000 |         |
| G=Inner Radius        | H=Outer Radius     | Vee Depth Male=Auto            |         |
| I=Top Outer Extension |                    | Vee Depth Female=Auto          |         |
|                       |                    | Vee Angle Male=30              |         |
|                       |                    | Vee Angle Female=30            |         |
|                       |                    | 3 Parts=No                     |         |
|                       |                    | Auto Oversize=Normal           |         |
|                       |                    | Seam Number For Throat=        |         |
|                       |                    | 2 Part Wrapper=No              |         |
|                       |                    | Leg Lengths=No                 |         |
|                       |                    | Allow Central Tie Rods=Yes     |         |
|                       |                    | Riser Bend=No                  |         |
|                       |                    | Mark Splitter Sides=No         |         |



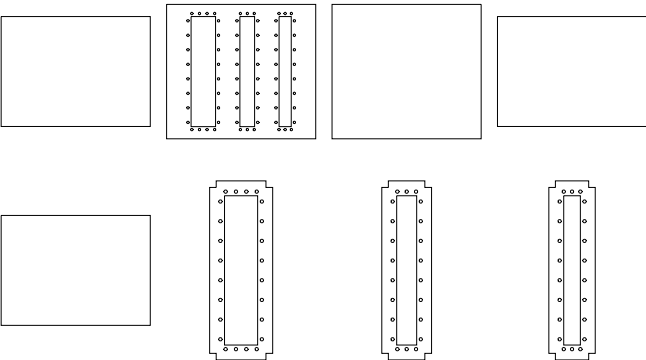
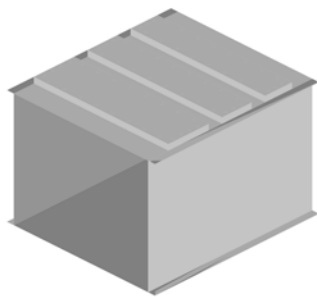
Seams  
S1=None  
S2=None

Damper:



Pattern: 764

Rectangular



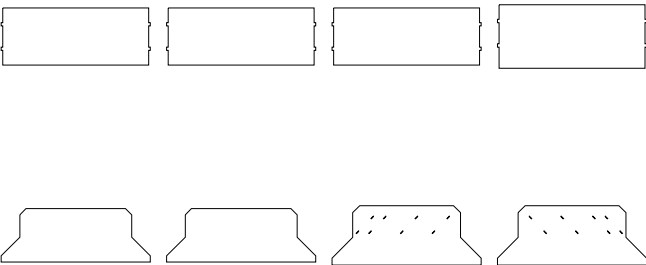
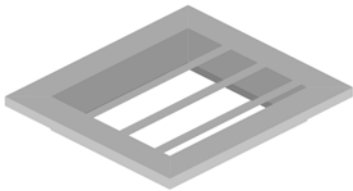
| Dims |      |      |      | Options                    | Conn's  |
|------|------|------|------|----------------------------|---------|
| A=a  | B=b  | C=c  | D=d  | Hole=Top                   | C1=None |
| E=e  | F=f  | G=g  | H=h  | Hole=Top                   | C2=None |
| I=i  | J=J1 | K=J2 | L=J3 | Hole=Top                   |         |
| M=K1 | N=K2 | O=K3 | P=l  | Number of Holes - Side A=8 |         |
| Q=p  | R=r  |      |      | Number of Holes - Side L=4 |         |
|      |      |      |      | Number of Holes - Side L=3 |         |
|      |      |      |      | Number of Holes - Side L=3 |         |
|      |      |      |      | Hole Diameter=0.400        |         |
|      |      |      |      | Hole Inset=Auto            |         |
|      |      |      |      | Vee Notch Depth=0.100      |         |
|      |      |      |      | Vee Notch Angle=30.000     |         |
|      |      |      |      | 2 Parts=No                 |         |
|      |      |      |      | Door Size Reduction=0.000  |         |
|      |      |      |      | Holes Draw Detail=Auto     |         |
|      |      |      |      | Add CAD Nodes=No           |         |

Seams

Damper:

Pattern: 765

Rectangular



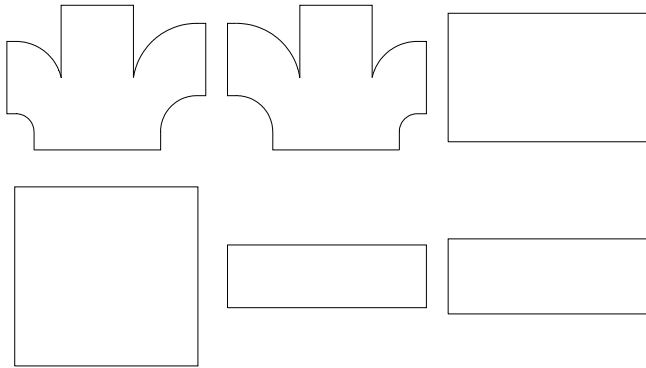
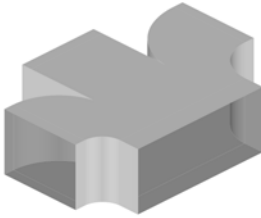
| Dims |         | Options     | Conn's |
|------|---------|-------------|--------|
| A=b  | B=g     | Corners=No  |        |
| C=h  | D=Angle | Sides=Angle |        |
| E=o  | F=p     | x=0.200     |        |
| G=r  | H=s     | y=0.400     |        |
| I=t  |         | z=0.800     |        |
|      |         | v=0.800     |        |
|      |         | u=0.080     |        |
|      |         | w=0.080     |        |
|      |         | e=0.080     |        |
|      |         | f=0.080     |        |
|      |         | i=0.000     |        |
|      |         | j=0.000     |        |

Seams

Damper:

## Pattern: 800

Rectangular



| Dims                  | Options                    | Conn's  |
|-----------------------|----------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius   | C1=None |
| B=Depth               | Left Throat Type=Radius    | C2=None |
| C=Top Width           | Vee Depth Male=Auto        | C3=None |
| D=Right Width         | Vee Depth Female=Auto      | C4=None |
| E=Left Width          | Vee Angle Male=30          |         |
| F=Height              | Vee Angle Female=30        |         |
| G=Right Height        | Right Heel Type=Radius     |         |
| H=Left Height         | Left Heel Type=Radius      |         |
| I=Right Radius        | Junction Notch=Use Default |         |
| J=Left Radius         | Vee Notch Angle=20.000     |         |
| K=Right Angle         | 2 Part Wrapper=No          |         |
| L=Left Angle          | Top Right=Straight         |         |
| M=Btm Right Extension | Top Left=Straight          |         |
| N=Btm Left Extension  | Outlet=2                   |         |
| O=Right Extension     |                            |         |
| P=Left Extension      |                            |         |
| Q=Top Extension       |                            |         |

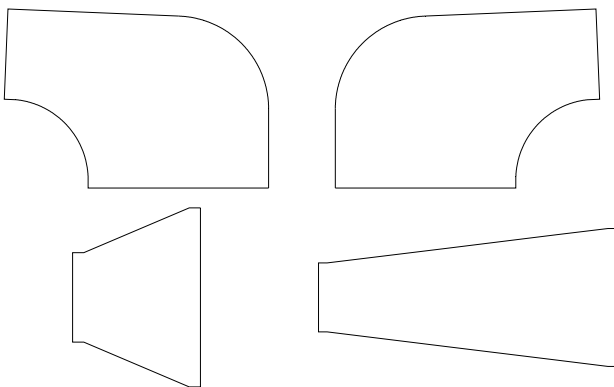
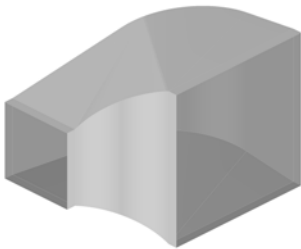
### Seams

S1=None  
S2=None

Damper:

## Pattern: 801

Rectangular



| Dims               | Options                     | Conn's  |
|--------------------|-----------------------------|---------|
| A=Btm Width        | Throat Type=Radius          | C1=None |
| B=Btm Depth        | Vee Depth Male=Auto         | C2=None |
| C=Top Width        | Vee Depth Female=Auto       |         |
| D=Top Depth        | Vee Angle Male=30           |         |
| E=Angle            | Vee Angle Female=30         |         |
| F=Top Extension    | Offset=Top Down             |         |
| G=Bottom Extension | Bending=Left                |         |
| H=Inner Radius     | Allow Central Tie Rods=Yes  |         |
| I=Outer Radius     | Straight Edge Wrappers=No   |         |
| J=Offset           | Splitter Slit Angle=10.000  |         |
|                    | Intersect Splitter Holes=No |         |

### Seams

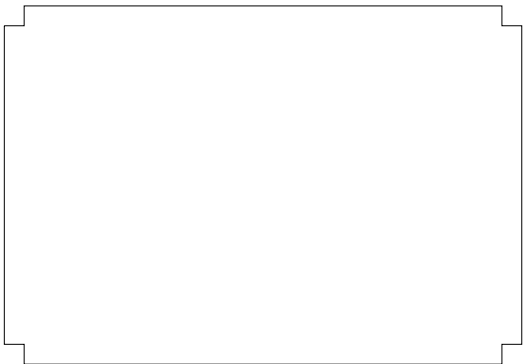
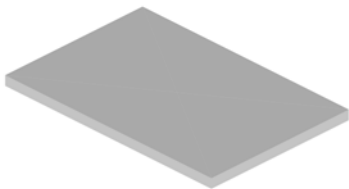
S1=None

Damper:



Pattern: 802

Rectangular



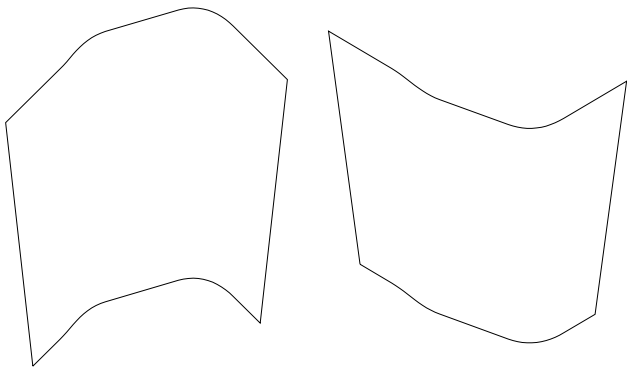
| Dims       |         | Options            | Conn's  |
|------------|---------|--------------------|---------|
| A=Width    | B=Depth | Vee Notch Angle=90 | C1=None |
| C=Turnover |         | Duct Adjust=0.000  |         |
|            |         | Mirror=No          |         |
|            |         | Symbol=Yes         |         |

Seams

Damper:

Pattern: 810

Rectangular/Round



| Dims            |  | Options       | Conn's  |
|-----------------|--|---------------|---------|
| A=Width In      |  | Cross Break=2 | C1=None |
| B=Depth In      |  |               | C2=None |
| C=Radius In     |  |               |         |
| D=Width Out     |  |               |         |
| E=Depth Out     |  |               |         |
| F=Radius Out    |  |               |         |
| G=Length        |  |               |         |
| H=Angle In      |  |               |         |
| I=Angle Out     |  |               |         |
| J=Offset Width  |  |               |         |
| K=Offset Depth  |  |               |         |
| L=Extension In  |  |               |         |
| M=Extension Out |  |               |         |

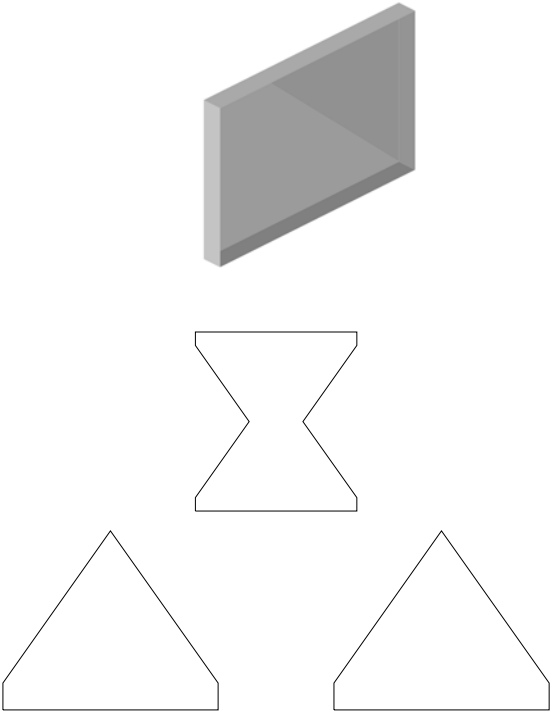
Seams

S1=None

Damper:

Pattern: 813

Rectangular



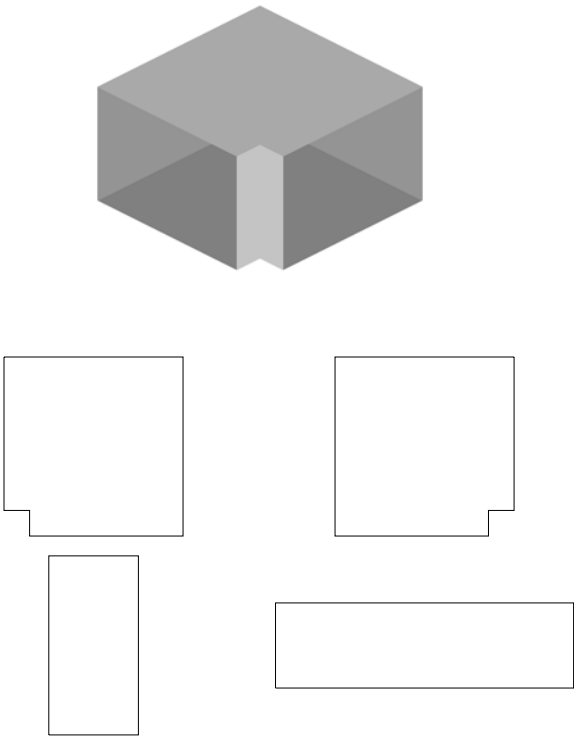
| Dims        |         | Options                | Conn's  |
|-------------|---------|------------------------|---------|
| A=Length    | B=Width | Vee Depth Male=Auto    | C1=None |
| C=Height    | D=Angle | Vee Depth Female=Auto  |         |
| E=Extension |         | Vee Notch Angle=30.000 |         |
|             |         | Use Vee Notch=No       |         |
|             |         | Number Of Parts=3      |         |

Seams  
S1=None

Damper:

Pattern: 819

Rectangular



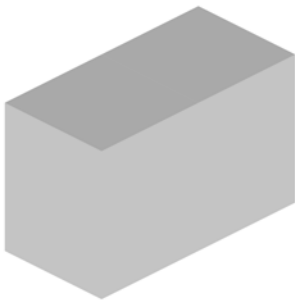
| Dims                  |  | Options                        | Conn's  |
|-----------------------|--|--------------------------------|---------|
| A=Top Width           |  | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth               |  | Length Adjust For Part 3=0.000 | C2=None |
| C=Angle               |  | Vee Depth Male=Auto            |         |
| D=Top Inner Extension |  | Vee Depth Female=Auto          |         |
| E=Bottom Extension    |  | Vee Angle Male=30              |         |
|                       |  | Vee Angle Female=30            |         |
|                       |  | 3 Parts=No                     |         |
|                       |  | Seam Number For Throat=        |         |
|                       |  | Attenuator=No                  |         |
|                       |  | Leg Lengths=No                 |         |
|                       |  | Allow Central Tie Rods=Yes     |         |
|                       |  | Riser Bend=No                  |         |

Seams  
S1=None

Damper:

Pattern: 828

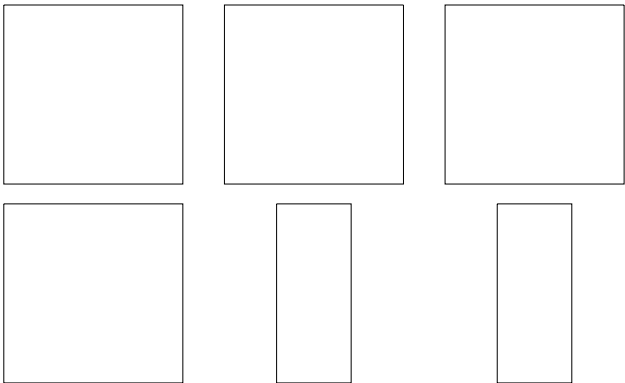
Rectangular



| Dims            | Options                  | Conn's  |
|-----------------|--------------------------|---------|
| A=Left Width    | Six Parts Left Lap=None  | C1=None |
| B=Right Width   | Six Parts Right Lap=None |         |
| C=Depth         | Parts=2                  |         |
| D=Length        |                          |         |
| E=Bottom Radius |                          |         |
| F=Top Radius    |                          |         |
| G=Cross Break   |                          |         |

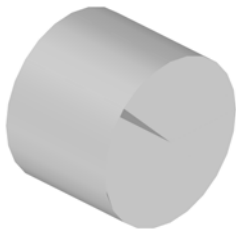
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 834

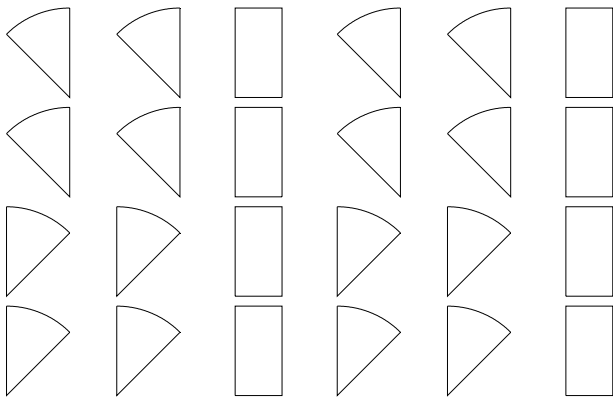
Rectangular



| Dims                  | Options                  | Conn's  |
|-----------------------|--------------------------|---------|
| A=Radius              | Six Parts Left Lap=None  | C1=None |
| B=Angle               | Six Parts Right Lap=None | C2=None |
| C=Length              | Allowance=Left           | C3=None |
| D=Front Hole Diameter |                          |         |
| E=Back Hole Diameter  |                          |         |
| F=Lid Pipe Radius     |                          |         |
| G=Lid Pipe Length     |                          |         |
| H=Base Pipe Radius    |                          |         |
| I=Base Pipe Length    |                          |         |
| J=Parts Left & Right  |                          |         |

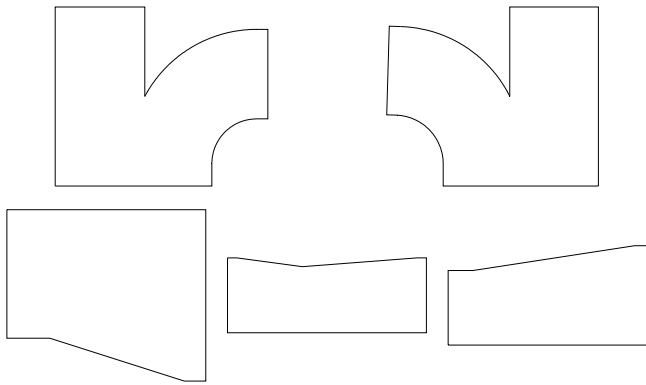
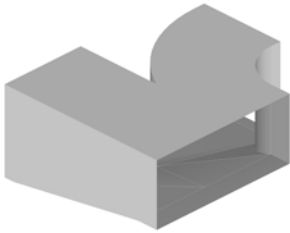
| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |
| S4=None |

Damper:



## Pattern: 835

Rectangular



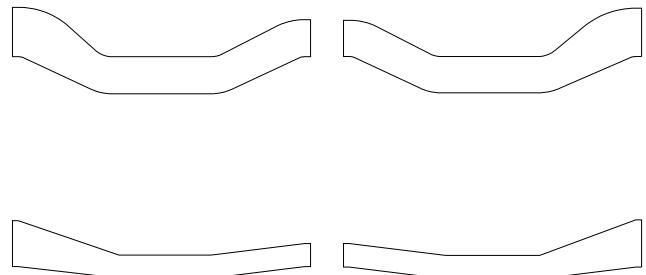
| Dims               | Options                    | Conn's  |
|--------------------|----------------------------|---------|
| A=Btm Width        | Right Throat Type=Radius   | C1=None |
| B=Btm Depth        | Vee Depth Male=Auto        | C2=None |
| C=Top Width        | Vee Depth Female=Auto      | C3=None |
| D=Top Depth        | Vee Angle Male=30          |         |
| E=Right Width      | Vee Angle Female=30        |         |
| F=Right Depth      | Right Heel Type=Radius     |         |
| G=Top Offset       | Junction Notch=Use Default |         |
| H=Right Offset     | Vee Notch Angle=20.000     |         |
| I=Height           | Right Folds=End Point      |         |
| J=Right Height     | Inlet=1                    |         |
| K=Right Radius     | Outlet=2                   |         |
| L=Right Angle      | Top Right=Straight         |         |
| M=Bottom Extension |                            |         |
| N=Right Extension  |                            |         |
| O=Top Inset        |                            |         |
| P=Top Extension    |                            |         |

Seams  
S1=None

Damper:

## Pattern: 836

Rectangular



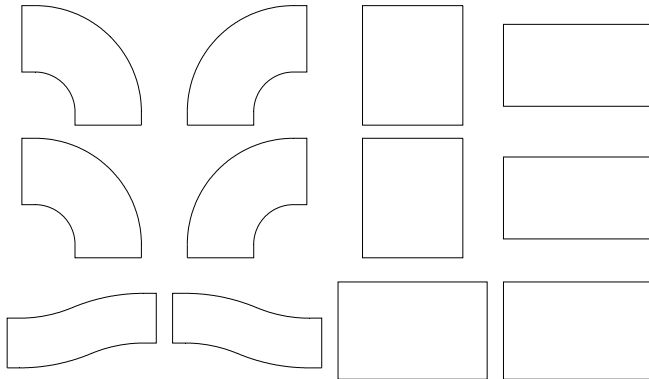
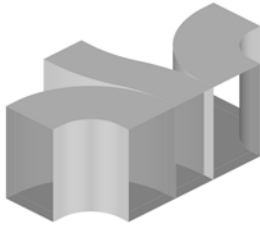
| Dims                  | Options                     | Conn's  |
|-----------------------|-----------------------------|---------|
| A=Left Width          | Vee Depth Male=Auto         | C1=None |
| B=Left Depth          | Vee Depth Female=Auto       | C2=None |
| C=Right Width         | Vee Angle Male=30           |         |
| D=Right Depth         | Vee Angle Female=30         |         |
| E=Centre Width        | Left Offset Depth=Top Down  |         |
| F=Centre Depth        | Right Offset Depth=Top Down |         |
| G=Left Length         | Equal Corner Radius=No      |         |
| H=Right Length        |                             |         |
| I=Centre Length       |                             |         |
| J=Left Extension      |                             |         |
| K=Right Extension     |                             |         |
| L=Left Offset Width   |                             |         |
| M=Left Offset Depth   |                             |         |
| N=Right Offset Width  |                             |         |
| O=Right Offset Depth  |                             |         |
| P=Left Top Radius     |                             |         |
| Q=Left Bottom Radius  |                             |         |
| R=Right Top Radius    |                             |         |
| S=Right Bottom Radius |                             |         |

Seams  
S1=None

Damper:

## Pattern: 847

Rectangular



| Dims                  | Options                                   | Conn's  |
|-----------------------|---|---------|
| A=Btm Width           | Right Throat Type=Radius                  | C1=None |
| B=Btm Depth           | Left Throat Type=Radius                   | C2=None |
| C=Btm Left Width      | Vee Depth Male=Auto                       | C3=None |
| D=Btm Right Width     | Vee Depth Female=Auto                     | C4=None |
| E=Top Width           | Vee Angle Male=30                         | C5=None |
| F=Top Depth           | Vee Angle Female=30                       |         |
| G=Right Width         | Gaps=0.000                                |         |
| H=Right Depth         | Add Connector Allowance To One Side On... |         |
| I=Left Width          |   |         |
| J=Left Depth          |   |         |
| K=Right Offset        |   |         |
| L=Left Offset         |   |         |
| M=Top Offset          |   |         |
| N=Top Inset           |   |         |
| O=Height              |   |         |
| P=Right Radius        |   |         |
| Q=Left Radius         |   |         |
| R=Right Angle         |   |         |
| S=Left Angle          |   |         |
| T=Btm Right Extension |   |         |
| U=Btm Left Extension  |   |         |
| V=Top Extension       |   |         |
| W=Right Extension     |   |         |
| X=Left Extension      |   |         |

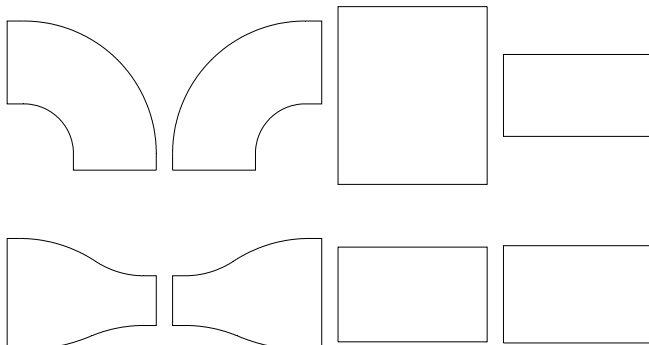
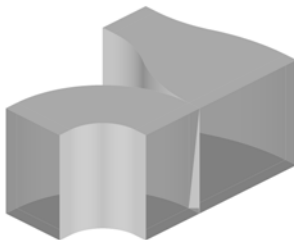
Seams

S1=None

Damper:

## Pattern: 848

Rectangular



| Dims                  | Options                                   | Conn's  |
|-----------------------|---|---------|
| A=Btm Width           | Left Throat Type=Radius                   | C1=None |
| B=Btm Depth           | Vee Depth Male=Auto                       | C2=None |
| C=Btm Left Width      | Vee Depth Female=Auto                     | C3=None |
| D=Top Width           | Vee Angle Male=30                         | C4=None |
| E=Top Depth           | Vee Angle Female=30                       |         |
| F=Left Width          | Gaps=0.000                                |         |
| G=Left Depth          | Add Connector Allowance To One Side On... |         |
| H=Left Offset         |   |         |
| I=Top Offset          |   |         |
| J=Top Inset           |   |         |
| K=Height              |   |         |
| L=Left Radius         |   |         |
| M=Left Angle          |   |         |
| N=Btm Right Extension |   |         |
| O=Btm Left Extension  |   |         |
| P=Top Extension       |   |         |
| Q=Left Extension      |   |         |

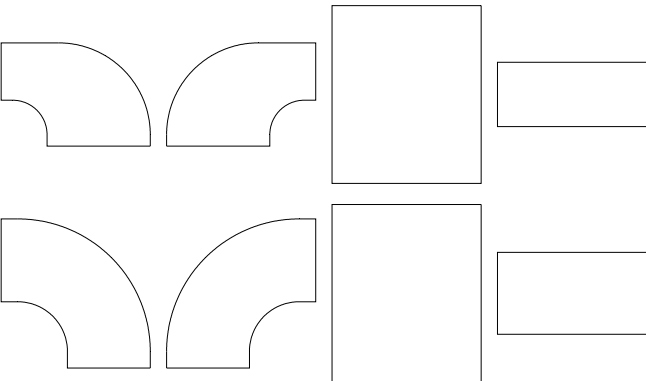
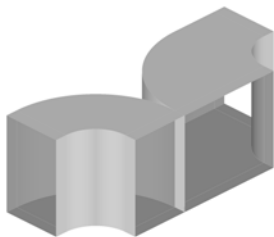
Seams

S1=None

Damper:

Pattern: 849

Rectangular



| Dims                  | Options                                   | Conn's  |
|-----------------------|---|---------|
| A=Btm Width           | Right Throat Type=Radius                  | C1=None |
| B=Btm Depth           | Left Throat Type=Radius                   | C2=None |
| C=Btm Left Width      | Vee Depth Male=Auto                       | C3=None |
| D=Right Width         | Vee Depth Female=Auto                     | C4=None |
| E=Right Depth         | Vee Angle Male=30                         |         |
| F=Left Width          | Vee Angle Female=30                       |         |
| G=Left Depth          | Gaps=0.000                                |         |
| H=Right Offset        | Add Connector Allowance To One Side On... |         |
| I=Left Offset         |   |         |
| J=Right Radius        |   |         |
| K=Left Radius         |   |         |
| L=Right Angle         |   |         |
| M=Left Angle          |   |         |
| N=Btm Right Extension |   |         |
| O=Btm Left Extension  |   |         |
| P=Right Extension     |   |         |
| Q=Left Extension      |   |         |

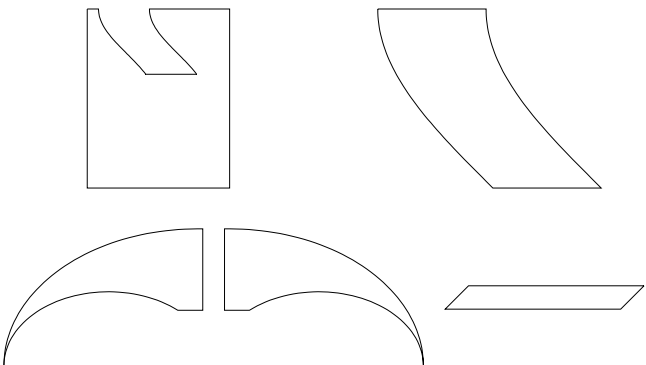
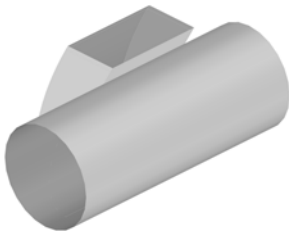
Seams

S1=None

Damper:

Pattern: 852

Rectangular/Round



| Dims            | Options  | Conn's  |
|-----------------|----------|---------|
| A=Pipe Diameter | Inlet=1  | C1=None |
| B=Angle         | Outlet=2 | C2=None |
| C=Pipe Length   |          | C3=None |
| D=Inset         |          |         |
| E=Branch Height |          |         |
| F=Branch Depth  |          |         |
| G=Branch Width  |          |         |
| H=Branch Gauge  |          |         |
| I=Extension     |          |         |

Seams

S1=None

S2=None

S3=None

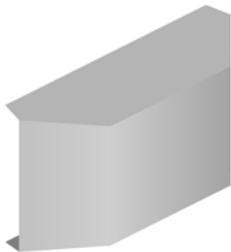
S4=None

S5=None

Damper:

Pattern: 853

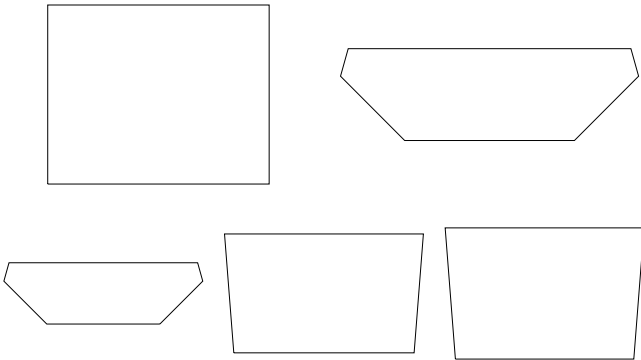
Rectangular



| Dims            | Options                | Conn's |
|-----------------|------------------------|--------|
| A=Top Length    | 3 Parts=No             |        |
| B=Top Width     | Vee Notch Angle=20.000 |        |
| C=Depth         |                        |        |
| D=Btm Length    |                        |        |
| E=Btm Width     |                        |        |
| F=Top Left Ext  |                        |        |
| G=Top Right Ext |                        |        |
| H=Btm Left Ext  |                        |        |
| I=Left Depth    |                        |        |
| J=Right Depth   |                        |        |
| K=Gauge         |                        |        |
| L=Hole Diameter |                        |        |
| M=X-Offset      |                        |        |
| N=Y-Offset      |                        |        |

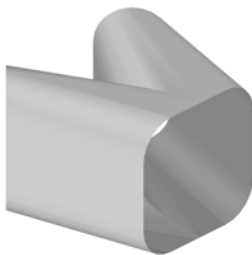
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 854

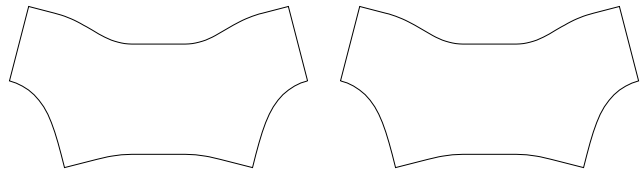
Rectangular/Round/Flat Oval



| Dims                 | Options                      | Conn's  |
|----------------------|------------------------------|---------|
| A=Btm Width          | Bottom Diameter Type=Nominal | C1=None |
| B=Btm Depth          | Left Diameter Type=Nominal   | C2=None |
| C=Bottom Radius      | Right Diameter Type=Nominal  | C3=None |
| D=Left Width         | Seam Position=Top            | C4=None |
| E=Left Depth         |                              |         |
| F=Left Radius        |                              |         |
| G=Right Width        |                              |         |
| H=Right Depth        |                              |         |
| I=Right Radius       |                              |         |
| J=Left Angle         |                              |         |
| K=Right Angle        |                              |         |
| L=Height             |                              |         |
| M=Left Offset        |                              |         |
| N=Right Offset       |                              |         |
| O=Bottom Collar      |                              |         |
| P=Left Collar        |                              |         |
| Q=Right Collar       |                              |         |
| R=Left Offset Depth  |                              |         |
| S=Right Offset Depth |                              |         |

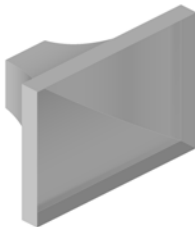
| Seams   |
|---------|
| S1=None |

Damper:

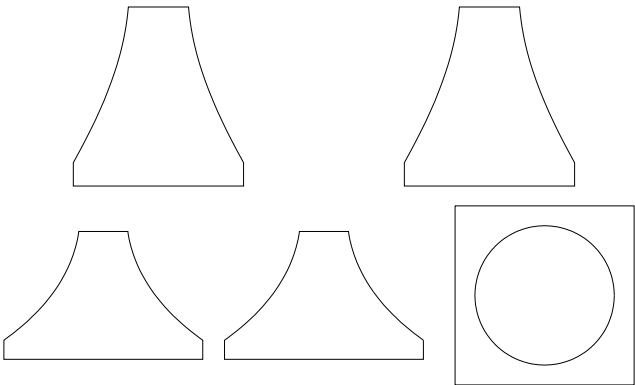


Pattern: 859

Rectangular



| Dims               | Options | Conn's  |
|--------------------|---------|---------|
| A=Btm Width        |         | C1=None |
| B=Btm Depth        |         |         |
| C=Top Width        |         |         |
| D=Top Depth        |         |         |
| E=Hole Diameter    |         |         |
| F=Height           |         |         |
| G=Offset Width     |         |         |
| H=Offset Depth     |         |         |
| I=Bottom Extension |         |         |
| J=Collar           |         |         |
| K=Angle            |         |         |
| Seams              |         |         |



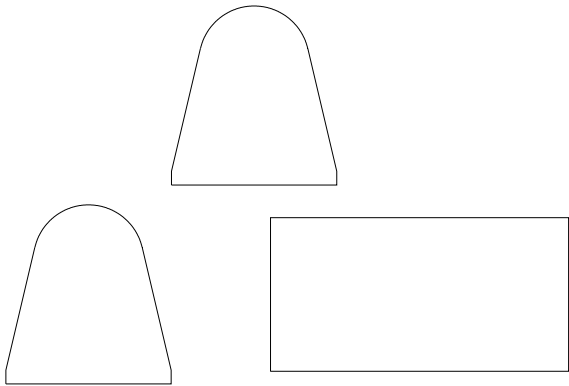
Damper:

Pattern: 860

Rectangular



| Dims               | Options               | Conn's  |
|--------------------|-----------------------|---------|
| A=Width            | Vee Depth Male=Auto   | C1=None |
| B=Depth            | Vee Depth Female=Auto |         |
| C=Height           | Vee Angle Male=30     |         |
| D=Top Radius       | Vee Angle Female=30   |         |
| E=Bottom Extension |                       |         |



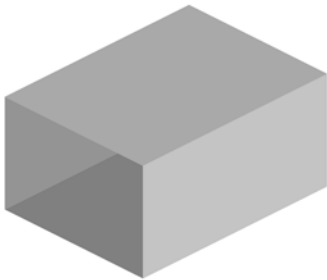
Seams  
S1=None

Damper:



Pattern: 861

Rectangular/Standard



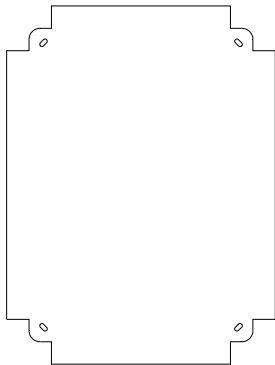
| Dims     |         | Options                    | Conn's  |
|----------|---------|----------------------------|---------|
| A=Width  | B=Depth | Type=1 Part Straight       | C1=None |
| C=Length |         | Notch Angle For Lid=45.000 |         |
|          |         | Lid Adjust=0.000           |         |
|          |         | Cost Supports=No           |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 862

Rectangular



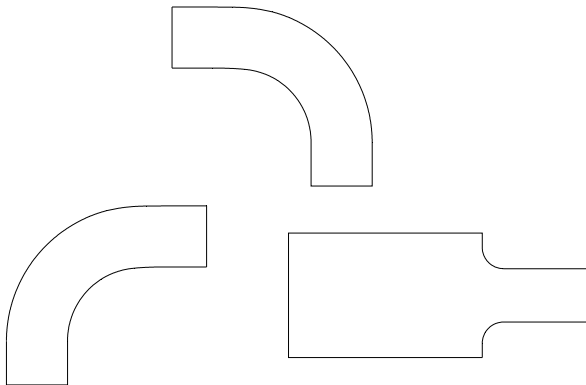
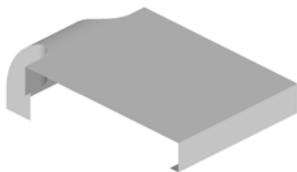
| Dims            |  | Options                  | Conn's  |
|-----------------|--|--------------------------|---------|
| A=Width         |  | Correct Hole Sizes=No    | C1=None |
| B=Depth         |  | Dynamic Hole Adjust=Auto | C2=None |
| C=Flange        |  |                          |         |
| D=Turnover      |  |                          |         |
| E=Corner Radius |  |                          |         |
| F=Hole Diameter |  |                          |         |
| G=Hole Length   |  |                          |         |
| H=Hole Inset    |  |                          |         |

| Seams |
|-------|
|-------|

Damper:

Pattern: 864

Rectangular



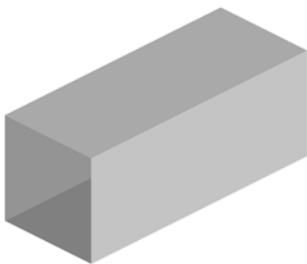
| Dims         | Options     | Conn's |
|--------------|-------------|--------|
| A=Width      | Type=Inside |        |
| B=Length     |             |        |
| C=Depth      |             |        |
| D=Top Width  |             |        |
| E=Radius In  |             |        |
| F=Radius Out |             |        |
| G=Turnover   |             |        |
| H=Extension  |             |        |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 866

Rectangular



| Dims     | Options                             | Conn's  |
|----------|-------------------------------------|---------|
| A=Width  | Connector Fold Notch=Use Default    | C1=None |
| B=Depth  | Vee Notch Depth=Auto                | C2=None |
| C=Length | Vee Notch Angle=30.000              |         |
|          | Override=None                       |         |
|          | Connector Fold Notch=Use Default    |         |
|          | Vee Notch Depth=Auto                |         |
|          | Vee Notch Angle=30.000              |         |
|          | Beading=No                          |         |
|          | Lengths Include Connector Adjust=No |         |
|          | Override Cut Type=None              |         |
|          | Insulation Parts=Same               |         |
|          | Insulation UI=Shortest Side         |         |
|          | Machine Cut If Dynamic Branches=No  |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 876

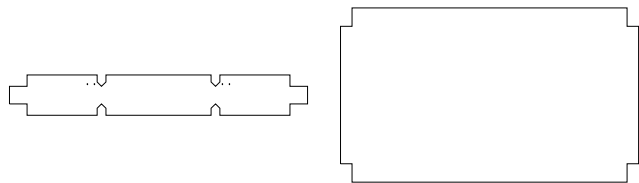
Rectangular



| Dims                   | Options    | Conn's |
|------------------------|------------|--------|
| A=Width                | 3 Parts=No |        |
| B=Depth                |            |        |
| C=Length               |            |        |
| D=Top                  |            |        |
| E=Border               |            |        |
| F=Extension            |            |        |
| G=Fixing Hole Diameter |            |        |
| H=Hole Inset           |            |        |
| I=Hole Spacing         |            |        |

Seams

Damper:



Pattern: 882

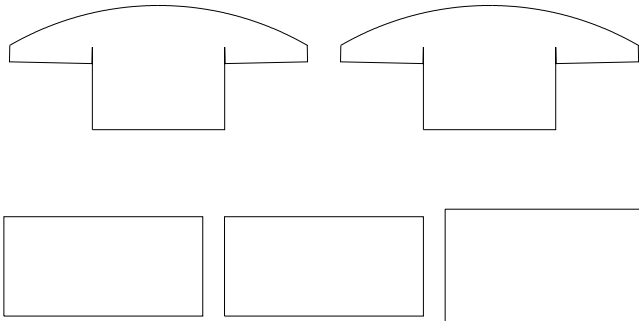
Rectangular



| Dims          | Options | Conn's  |
|---------------|---------|---------|
| A=Width In    |         | C1=None |
| B=Depth       |         | C2=None |
| C=Width Out   |         | C3=None |
| D=Angle Out   |         |         |
| E=Length      |         |         |
| F=Slope Angle |         |         |
| G=Extension   |         |         |

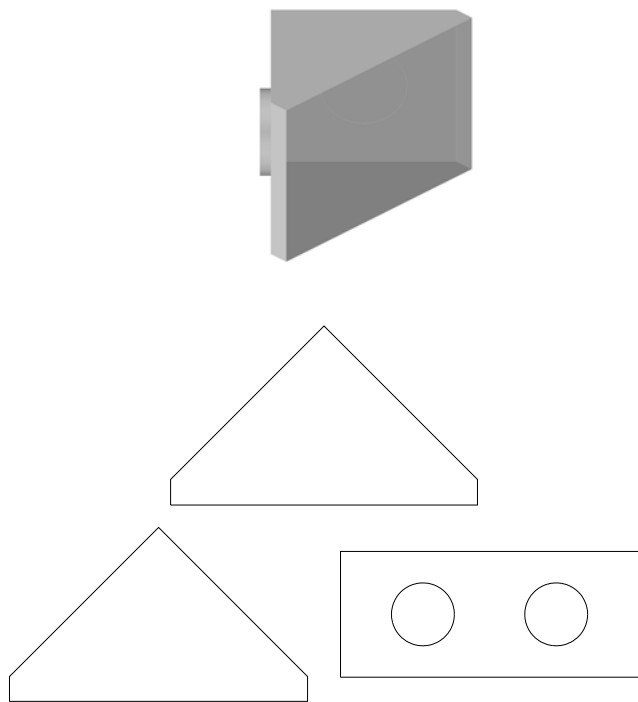
Seams  
S1=None

Damper:



Pattern: 893

Rectangular



| Dims             | Options                | Conn's  |
|------------------|------------------------|---------|
| A=Width          | Vee Depth Male=Auto    | C1=None |
| B=Depth          | Vee Depth Female=Auto  |         |
| C=Angle          | Vee Notch Angle=30.000 |         |
| D=Extension      | Use Vee Notch=No       |         |
| E=Hole Width     |                        |         |
| F=Hole Depth     |                        |         |
| G=Hole Radius    |                        |         |
| H=Offset Width   |                        |         |
| I=Offset Depth   |                        |         |
| J=Hole Width     |                        |         |
| K=Hole Depth     |                        |         |
| L=Hole Radius    |                        |         |
| M=Offset Width   |                        |         |
| N=Offset Depth   |                        |         |
| O=Step In Depth  |                        |         |
| P=Step In Height |                        |         |
| Q=Depth          |                        |         |

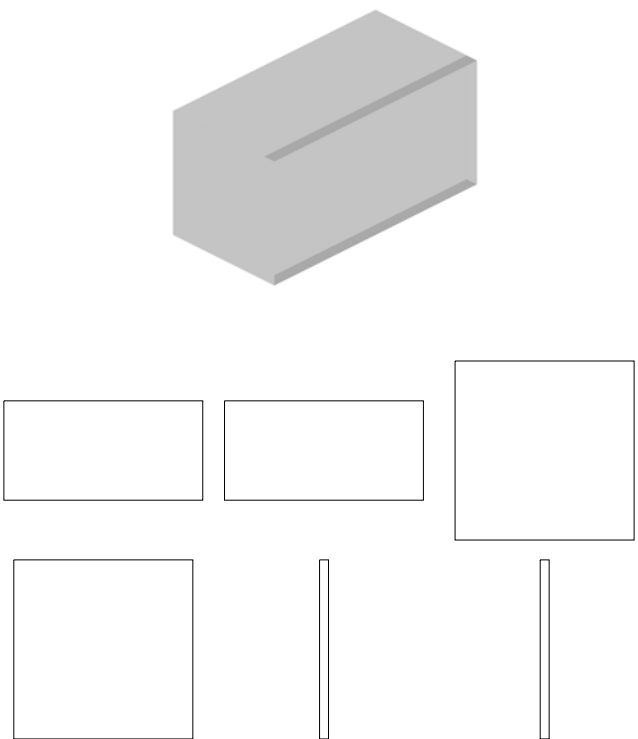
Seams

S1=None

Damper:

Pattern: 898

Rectangular/Standard



| Dims                 | Options            | Conn's |
|----------------------|--------------------|--------|
| A=Width              | Vertical=1         |        |
| B=Height             | Horizontal=1       |        |
| C=Depth              | Shelf Recess=0.000 |        |
| D=Kick Height        | Kick Recess=0.000  |        |
| E=Centre Stile Width | Doors=None         |        |

Seams

Damper:

Pattern: 902

Rectangular/Round/Flat Oval/Standard/Equipment

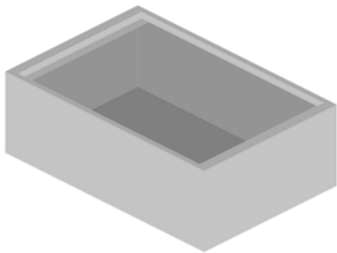
| Dims | Options            | Conn's |
|------|--------------------|--------|
|      | Inlet=1            |        |
|      | Outlet=1           |        |
|      | Pipework=No        |        |
|      | Show Boundaries=No |        |

Seams

Damper:

Pattern: 903

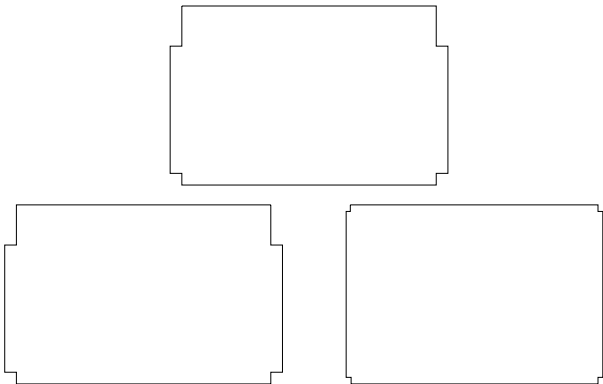
Rectangular



| Dims             | Options               | Conn's |
|------------------|-----------------------|--------|
| A=Width          | Vee Notch Depth=0.000 |        |
| B=Depth          | Vee Notch Angle=0     |        |
| C=Height         |                       |        |
| D=Door Depth     |                       |        |
| E=Top Thickness  |                       |        |
| F=Side Thickness |                       |        |
| G=Door Overhang  |                       |        |
| H=Turnover       |                       |        |

Seams

Damper:



## Pattern: 910

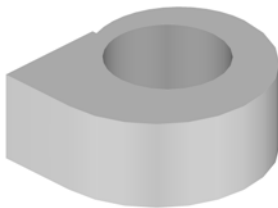
Rectangular/Standard/Structure/Equipment



| Dims                     | Options                  | Conn's  |
|--------------------------|--------------------------|---------|
| A=Depth                  | Type=Full                | C1=None |
| B=Width                  | Rotation=Vertical        | C2=None |
| C=Height                 | Closed=Yes               |         |
| D=Flange                 | Hole Type=Circle/Ellipse |         |
| E=Flange                 | Draw as Single Line=No   |         |
| F=Radius                 | Full=No                  |         |
| G=Radius                 | Connectors=Yes           |         |
| H=Web                    | Hole Rotation=0          |         |
| I=Left Horizontal Angle  | Export=No                |         |
| J=Right Horizontal Angle |                          |         |
| K=Left Vertical Angle    |                          | Seams   |
| L=Right Vertical Angle   |                          |         |
| M=Turnover #1            |                          |         |
| N=Turnover #2            |                          |         |
| O=Hole Inset             |                          |         |
| P=Hole Offset            |                          | Damper: |
| Q=Hole Width             |                          |         |
| R=Hole Depth             |                          |         |
| S=Hole Spacing           |                          |         |
| T=Number Of Holes        |                          |         |
| U=Plate Width #1         |                          |         |
| V=Plate Depth #1         |                          |         |
| W=Plate Thickness #1     |                          |         |
| X=Plate Inset #1         |                          |         |
| Y=Plate Offset #1        |                          |         |
| Z=Plate Width #2         |                          |         |
| a=Plate Depth #2         |                          |         |
| b=Plate Thickness #2     |                          |         |

## Pattern: 913

Rectangular/Round/Equipment



| Dims          | Options          | Conn's  |
|---------------|------------------|---------|
| A=Width       | Mirror=No        | C1=None |
| B=Depth       | Base Depth=Yes   | C2=None |
| C=Length      | Cost Supports=No |         |
| D=Height      |                  |         |
| E=X Distance  |                  |         |
| F=Y Distance  |                  |         |
| G=Diameter    |                  |         |
| H=Rotation    |                  |         |
| I=Base Height |                  |         |
| J=Base Width  |                  |         |
| K=Base Depth  |                  | Seams   |
| L=Extension   |                  |         |

Damper:

Pattern: 914

Rectangular/Equipment



| Dims              | Options               | Conn's  |
|-------------------|-----------------------|---------|
| A=Width           | Install Type=Plain    | C1=None |
| B=Depth           | Sex Type=Male         | C2=None |
| C=Length          | Control Type=None     |         |
| D=Inset           | Type=Single           |         |
| E=Inset           | Draw Type=None        |         |
| F=Sides           | Temperature Type=None |         |
| G=Top             | Draw Type=None        |         |
| H=Bottom          | Lines=No              |         |
| I=Extension       | Type=Auto             |         |
| J=Right Extension | Cost Supports=No      |         |
| K=Sides           | Lines Type=Quantity   |         |
| L=Bottom          | Lines=3.000           |         |
| M=Top             |                       |         |

Seams

Damper:

Pattern: 915

Rectangular

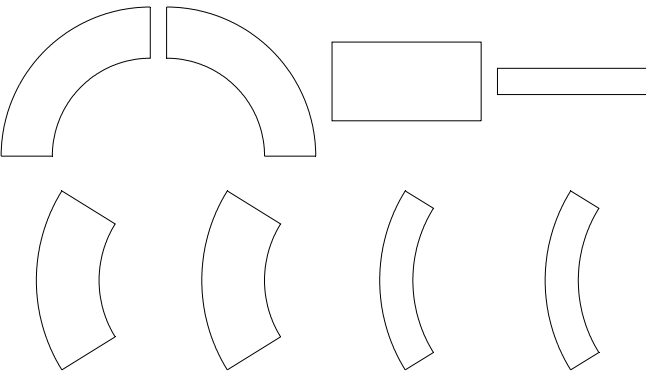


| Dims           | Options | Conn's |
|----------------|---------|--------|
| A=Diameter     |         |        |
| B=Inner Radius |         |        |
| C=Angle        |         |        |

Seams

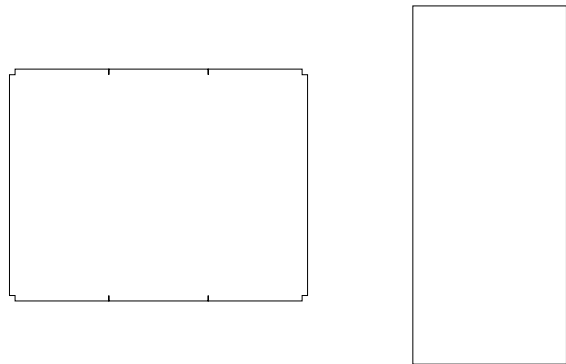
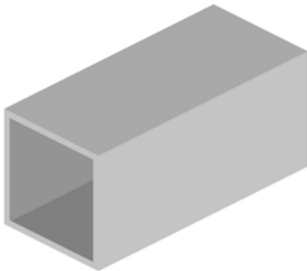
S1=None

Damper:



Pattern: 918

Rectangular



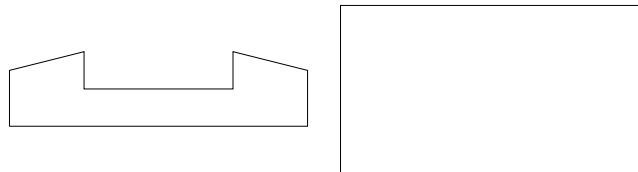
| Dims          | Options                      | Conn's  |
|---------------|------------------------------|---------|
| A=Width       | Turnover=In                  | C1=None |
| B=Depth       | Turnover=Top                 | C2=None |
| C=Length      | Vee Notch Depth=Auto         |         |
| D=Turnover #1 | Vee Notch Angle=0.000        |         |
| E=Turnover #2 | Marker Depth=0.000           |         |
|               | Marker Angle=0.000           |         |
|               | Type=Rectangular             |         |
|               | Maximum Stretchout=10000.000 |         |

Seams

Damper:

Pattern: 919

Rectangular



| Dims          | Options               | Conn's  |
|---------------|-----------------------|---------|
| A=Width       | Vee Notch Depth=Auto  | C1=None |
| B=Depth       | Vee Notch Angle=0.000 | C2=None |
| C=Length      | Marker Depth=0.000    |         |
| D=Hole Length | Marker Angle=0.000    |         |
| E=Hole Width  | Parts=2               |         |
| F=Turnover    |                       |         |
| G=Left Length |                       |         |

Seams

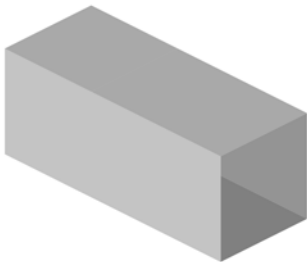
S1=None

Damper:



Pattern: 920

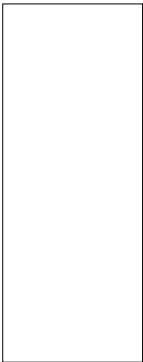
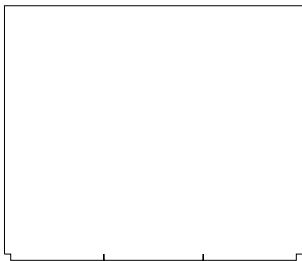
Rectangular



| Dims          | Options                      | Conn's  |
|---------------|------------------------------|---------|
| A=Width       | Turnover=In                  | C1=None |
| B=Depth       | Vee Notch Depth=Auto         | C2=None |
| C=Depth       | Vee Notch Angle=0.000        |         |
| D=Length      | Marker Depth=0.000           |         |
| E=Extension   | Marker Angle=0.000           |         |
| F=Turnover #1 | Type=Rectangular             |         |
| G=Turnover #2 | Maximum Stretchout=10000.000 |         |

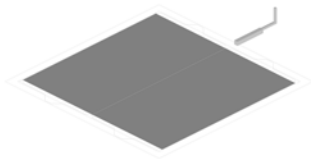
Seams

Damper:



Pattern: 921

Rectangular/Standard



| Dims            | Options               | Conn's  |
|-----------------|-----------------------|---------|
| A=Width         | Type=Rectangular      | C1=None |
| B=Depth         | Vee Notch Depth=0.000 |         |
| C=Insulation    | Vee Notch Angle=0.000 |         |
| D=Duct Adjust   |                       |         |
| E=Maximum Width |                       |         |
| F=Corner        |                       |         |
| G=Centre        |                       |         |

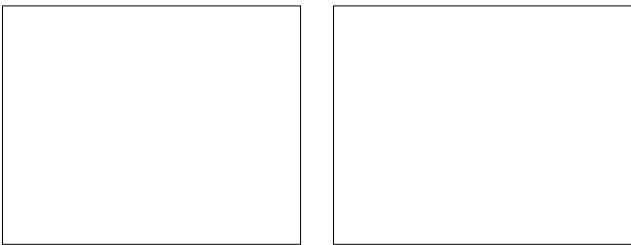
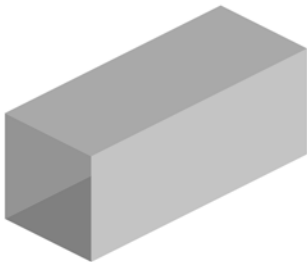
Seams

Damper:



Pattern: 924

Rectangular



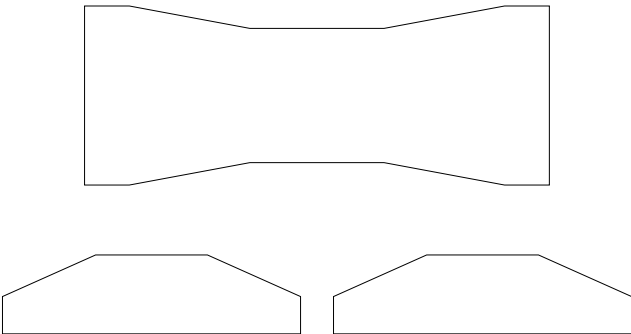
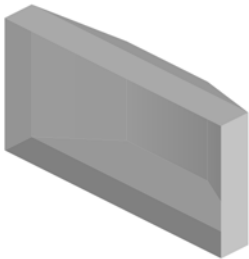
| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Connector Fold Notch=Use Default | C1=None |
| C=Length |         | Vee Notch Depth=Auto             | C2=None |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Override=None                    |         |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Insulation UI=Shortest Side      |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 926

Rectangular



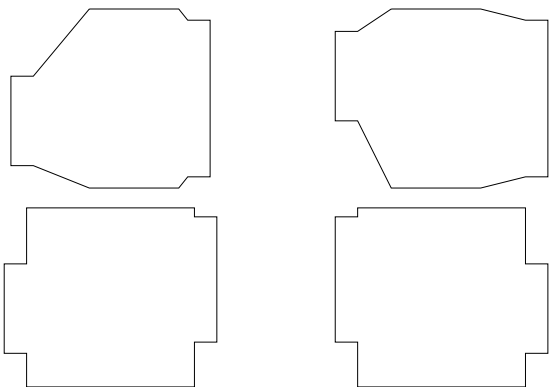
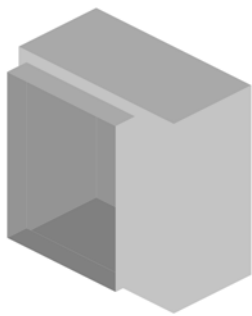
| Dims              |  | Options                     | Conn's  |
|-------------------|--|-----------------------------|---------|
| A=Left Width      |  | Item Connector Len1=0.000   | C1=None |
| B=Left Depth      |  | Item Connector Len2=0.000   |         |
| C=Length          |  | 3 Parts=Yes                 |         |
| D=Right Width     |  | Connector=No                |         |
| E=Right Depth     |  | Seam Extension=No           |         |
| F=Offset Width    |  | Vee Depth Male=Auto         |         |
| G=Offset Depth    |  | Vee Depth Female=Auto       |         |
| H=Left Extension  |  | Vee Angle Male=90.000       |         |
| I=Right Extension |  | Vee Angle Female=90.000     |         |
| J=Step In Depth   |  | Use Vee Notch=No            |         |
| K=Depth           |  | Chamfer Seam Allowances=Yes |         |
|                   |  | Rotation=0                  |         |
|                   |  | Cost Supports=No            |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 927

Rectangular



| Dims                  | Options                     | Conn's  |
|-----------------------|-----------------------------|---------|
| A=Width               | Notch Angle For Seam=30.000 | C1=None |
| B=Depth               |                             | C2=None |
| C=Length              |                             |         |
| D=Inlet Width         |                             |         |
| E=Inlet Depth         |                             |         |
| F=Inlet Length        |                             |         |
| G=Inlet Offset Width  |                             |         |
| H=Inlet Offset Depth  |                             |         |
| I=Outlet Width        |                             |         |
| J=Outlet Depth        |                             |         |
| K=Outlet Length       |                             |         |
| L=Outlet Offset Width |                             |         |
| M=Outlet Offset Depth |                             |         |
|                       |                             |         |

Seams

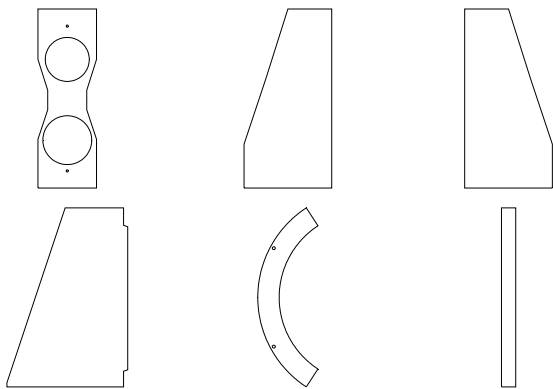
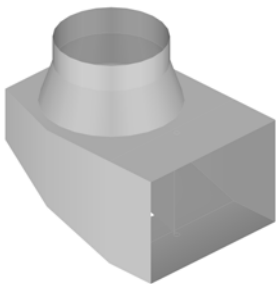
S1=None

S2=None

Damper:

Pattern: 929

Rectangular



| Dims                    | Options                    | Conn's  |
|-------------------------|----------------------------|---------|
| A=Width                 | Front Top and Back Parts=1 | C1=None |
| B=Depth                 | Pipe Parts=Yes             | C2=None |
| C=Outlet                | Hole Adjust=0.000          |         |
| D=Diameter              | Air Guide=Yes              |         |
| E=Height                | Air Guide Adjust=0.000     |         |
| F=Back                  | Access Door=Round          |         |
| G=Top Width             | Pipe Parts=                |         |
| H=Sides                 | Air Guide=                 |         |
| I=Top Depth             | Vee Depth Male=Auto        |         |
| J=Pipe Length           | Vee Depth Female=Auto      |         |
| K=Extension             | Vee Angle Male=30          |         |
| L=Hole Diameter         | Vee Angle Female=30        |         |
| M=Tie Rod Position #1   | Front Hole Offset=Centre   |         |
| N=Tie Rod Hole Diameter | Back Hole Offset=Centre    |         |
| O=Tie Rod Position #2   |                            |         |
| P=Front Hole Offset     |                            |         |
| Q=Back Hole Offset      |                            |         |

Seams

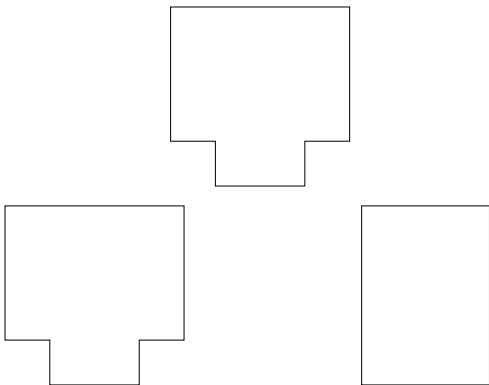
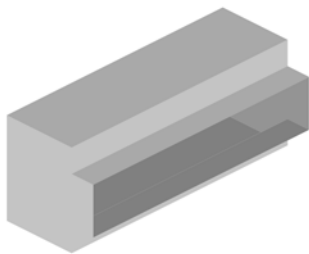
S1=None

S2=None

Damper:

Pattern: 932

Rectangular



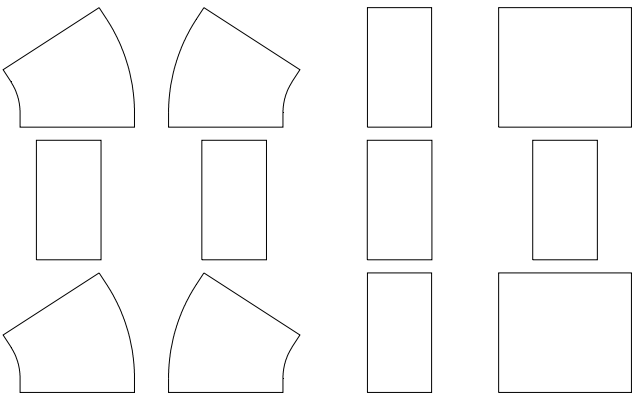
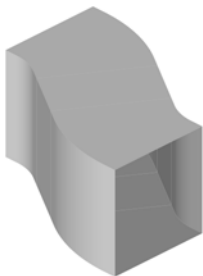
| Dims            | Options                             | Conn's  |
|-----------------|-------------------------------------|---------|
| A=Top Width     | Vee Angle Female=20                 | C1=None |
| B=Btm Width     | Vee Angle Male=20                   |         |
| C=Top Height    | Vee Depth Female=Auto               |         |
| D=Bottom Height | Vee Depth Male=Auto                 |         |
| E=Length        | Chamfer Notches On Outer Corners=No |         |
| F=Offset        | 3 Part Wrap=No                      |         |
|                 | Connector Allowance=4 Sides         |         |
|                 | Cost Supports=No                    |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 939

Rectangular



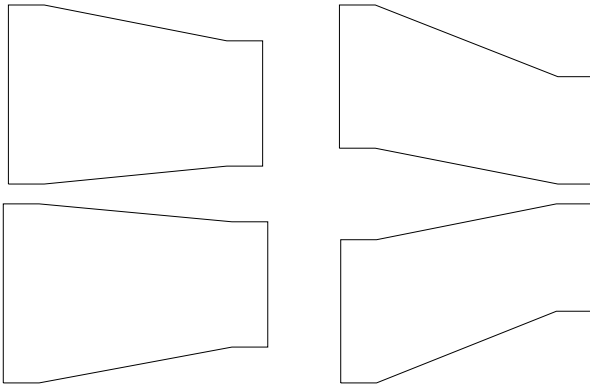
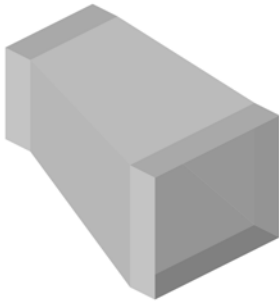
| Dims              | Options                 | Conn's  |
|-------------------|-------------------------|---------|
| A=Width           | Vee Depth Male=Auto     | C1=None |
| B=Depth           | Vee Depth Female=Auto   | C2=None |
| C=Length          | Vee Angle Male=30       | C3=None |
| D=Extension In    | Vee Angle Female=30     | C4=None |
| E=Extension Out   | Offset Width=Left In    |         |
| F=Offset Width    | Restricted Flow=Warning |         |
| G=Radius          |                         |         |
| H=Connector Inset |                         |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

## Pattern: 942

Rectangular/Ductboard



| Dims            | Options                 | Conn's                         |
|-----------------|-------------------------|--------------------------------|
| A=Width In      | 2 Parts=No              | Fixing Holes on Tur... C1=None |
| B=Depth In      | 3 Parts=No              | Show Fold Angles=... C2=None   |
| C=Width Out     | Vee Depth Male=A...     |                                |
| D=Depth Out     | Vee Depth Female=...    |                                |
| E=Length        | Vee Notch Angle=2...    |                                |
| F=Extension In  | Taper Notch If Strai... |                                |
| G=Extension Out | Female Allow=Shor...    |                                |
| H=Offset Width  | 2-Sided Part Allowa...  |                                |
| I=Offset Depth  | Offset Width=Left In    |                                |
| J=Angle         | Offset Depth=Botto...   |                                |
|                 | Taper Notch If Strai... |                                |
|                 | Use Taper Notch F...    |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Input=Length            |                                |
|                 | Vee Notch Depth If...   |                                |
|                 | Maximum Angle=1...      |                                |
|                 | Splitter Turnover=0...  |                                |
|                 | Splitter Extension=...  |                                |
|                 | Splitter Adjust=0.000   |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Splitter Hole Diamo...  |                                |
|                 | Number Of Holes=...     |                                |
|                 | Splitters=Half          |                                |
|                 | Hole Inset=0.000        |                                |

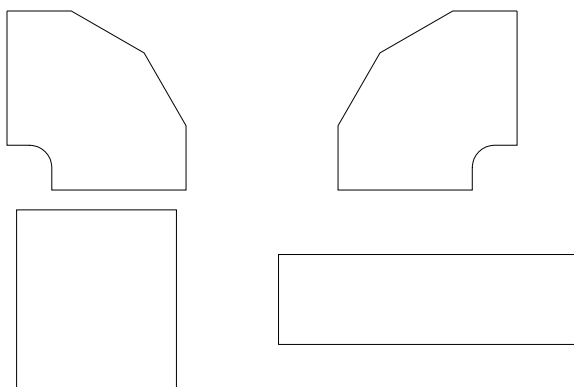
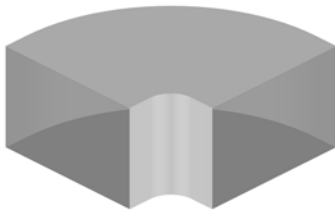
### Seams

S1=None

Damper:

## Pattern: 943

Rectangular/Ductboard



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Top Width           | Throat Type=Radius             | C1=None |
| B=Depth               | Length Adjust For Part 4=0.000 | C2=None |
| C=Angle               | Length Adjust For Part 3=0.000 |         |
| D=Top Inner Extension | Vee Depth Male=Auto            |         |
| E=Bottom Extension    | Vee Depth Female=Auto          |         |
| F=Inner Radius        | Vee Angle Male=30              |         |
|                       | Vee Angle Female=30            |         |
|                       | Auto Oversize=Normal           |         |
|                       | Seam Number For Throat=        |         |
|                       | Leg Lengths=No                 |         |
|                       | Allow Central Tie Rods=Yes     |         |
|                       | Riser Bend=No                  |         |
|                       | Mark Splitter Sides=No         |         |
|                       | Outer Mitre=300.000            |         |

### Seams

S1=None

Damper:

## Pattern: 944

Rectangular/Ductboard

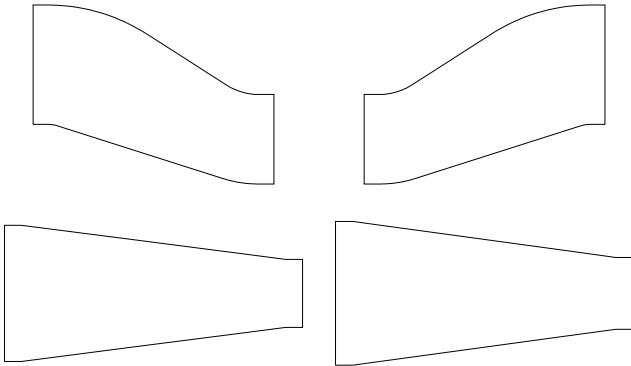


| Dims            | Options                 | Conn's  |
|-----------------|-------------------------|---------|
| A=Width In      | Vee Depth Male=Auto     | C1=None |
| B=Depth In      | Vee Depth Female=Auto   | C2=None |
| C=Width Out     | Vee Angle Male=30       |         |
| D=Depth Out     | Vee Angle Female=30     |         |
| E=Length        | Offset Width=Left In    |         |
| F=Extension In  | Offset Depth=Top Down   |         |
| G=Extension Out | Restricted Flow=Warning |         |
| H=Offset Width  |                         |         |
| I=Offset Depth  |                         |         |
| J=Left Radius   |                         |         |
| K=Right Radius  |                         |         |

Seams

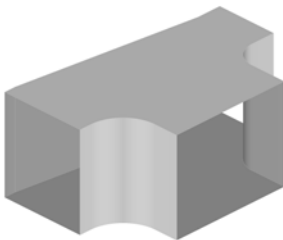
S1=None

Damper:



## Pattern: 945

Rectangular/Ductboard

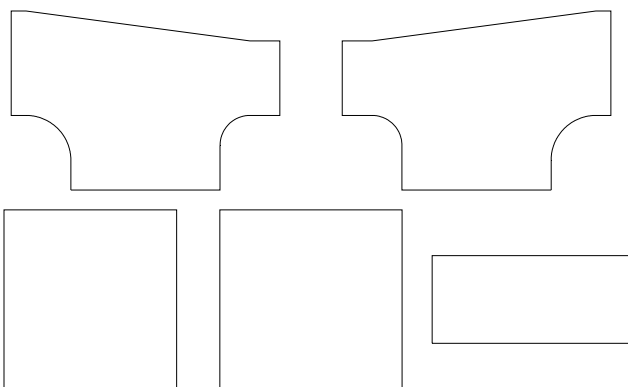


| Dims                  | Options                | Conn's  |
|-----------------------|------------------------|---------|
| A=Btm Width           | Throat Type=Radius     | C1=None |
| B=Depth               | Vee Depth Male=Auto    | C2=None |
| C=Left Width          | Vee Depth Female=Auto  | C3=None |
| D=Right Width         | Vee Notch Angle=30.000 |         |
| E=Right Radius        | Hole Diameter=0.500    |         |
| F=Left Radius         | Hole Spacing=2.000     |         |
| G=Btm Right Extension | Splitters=No           |         |
| H=Btm Left Extension  | Inlet=1                |         |
| I=Right Extension     | Outlet=2               |         |
| J=Left Extension      |                        |         |
| K=Splitter Distance   |                        |         |

Seams

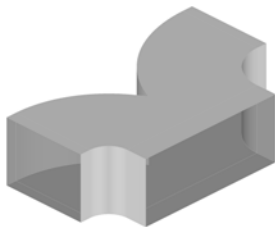
S1=None

Damper:



Pattern: 946

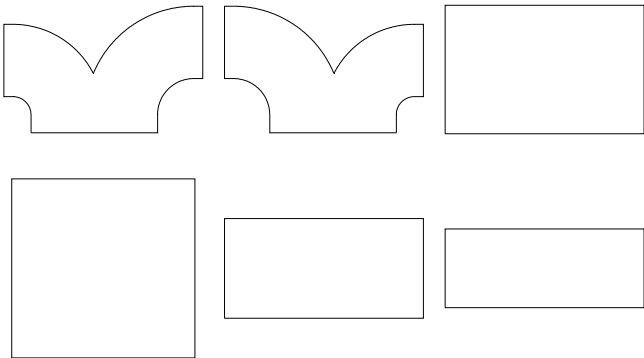
Rectangular/Ductboard



| Dims                  | Options                  | Conn's  |
|-----------------------|--------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius | C1=None |
| B=Depth               | Left Throat Type=Radius  | C2=None |
| C=Right Width         | Right Heel Type=Radius   | C3=None |
| D=Left Width          | Left Heel Type=Radius    |         |
| E=Height              | 2 Part Wrapper=No        |         |
| F=Right Radius        | Outlet=2                 |         |
| G=Left Radius         |                          |         |
| H=Right Angle         |                          |         |
| I=Left Angle          |                          |         |
| J=Btm Right Extension |                          |         |
| K=Btm Left Extension  |                          |         |
| L=Right Extension     |                          |         |
| M=Left Extension      |                          |         |
| N=Top Extension       |                          |         |

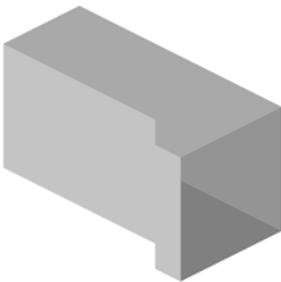
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 947

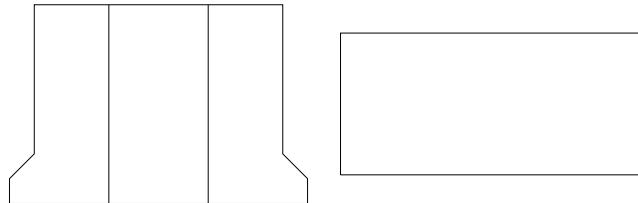
Rectangular/Ductboard



| Dims               | Options           | Conn's  |
|--------------------|-------------------|---------|
| A=Top Width        | Branch Parts=Auto | C1=None |
| B=Depth            |                   | C2=None |
| C=Height           |                   |         |
| D=Btm Width        |                   |         |
| E=Bottom Extension |                   |         |

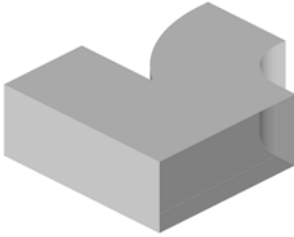
| Seams |
|-------|
|-------|

Damper:



## Pattern: 950

Rectangular/Ductboard

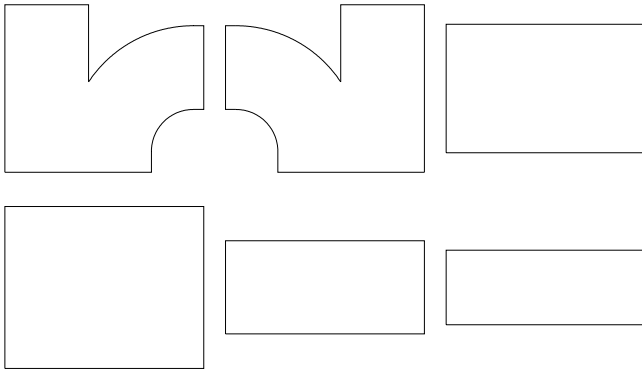


| Dims               | Options                  | Conn's  |
|--------------------|--------------------------|---------|
| A=Btm Width        | Right Throat Type=Radius | C1=None |
| B=Depth            | Right Heel Type=Radius   | C2=None |
| C=Top Width        | 2 Part Wrapper=No        | C3=None |
| D=Right Width      | Top Right=Straight       |         |
| E=Height           | Outlet=2                 |         |
| F=Right Height     |                          |         |
| G=Right Radius     |                          |         |
| H=Right Angle      |                          |         |
| I=Bottom Extension |                          |         |
| J=Right Extension  |                          |         |
| K=Top Extension    |                          |         |

### Seams

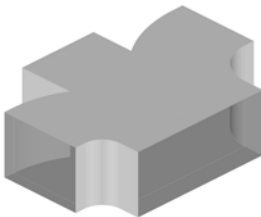
S1=None  
S2=None

Damper:



## Pattern: 951

Rectangular/Ductboard

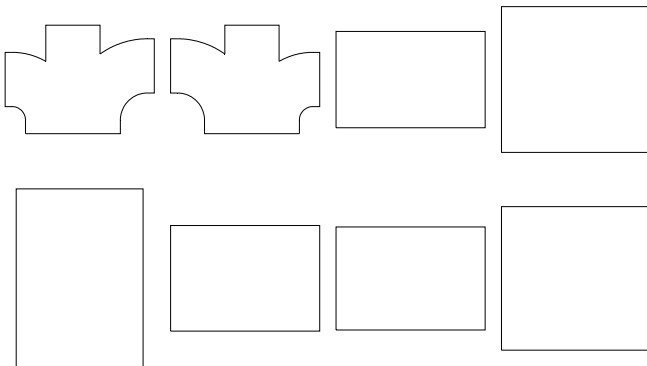


| Dims                  | Options                  | Conn's  |
|-----------------------|--------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius | C1=None |
| B=Depth               | Left Throat Type=Radius  | C2=None |
| C=Top Width           | Right Heel Type=Radius   | C3=None |
| D=Right Width         | Left Heel Type=Radius    | C4=None |
| E=Left Width          | 2 Part Wrapper=No        |         |
| F=Height              | Top Right=Straight       |         |
| G=Right Height        | Top Left=Straight        |         |
| H=Left Height         | Outlet=2                 |         |
| I=Right Radius        |                          |         |
| J=Left Radius         |                          |         |
| K=Right Angle         |                          |         |
| L=Left Angle          |                          |         |
| M=Btm Right Extension |                          |         |
| N=Btm Left Extension  |                          |         |
| O=Right Extension     |                          |         |
| P=Left Extension      |                          |         |
| Q=Top Extension       |                          |         |

### Seams

S1=None  
S2=None

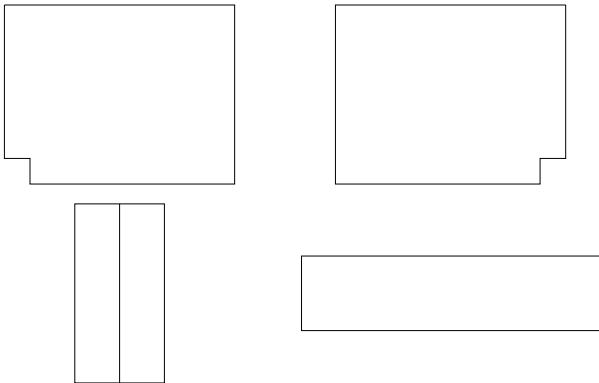
Damper:





Pattern: 952

Rectangular/Ductboard

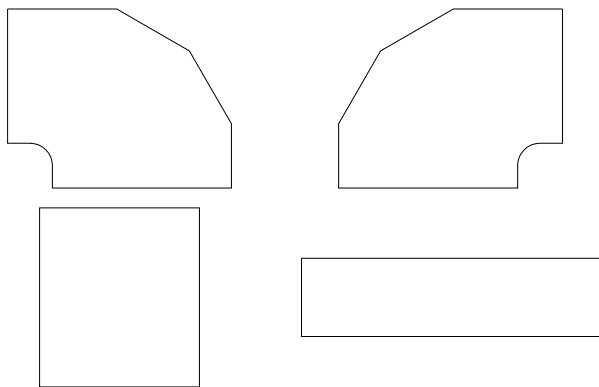


| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Top Width           | Length Adjust For Part 4=0.000 | C1=None |
| B=Depth               | Length Adjust For Part 3=0.000 | C2=None |
| C=Btm Width           | Vee Depth Male=Auto            |         |
| D=Angle               | Vee Depth Female=Auto          |         |
| E=Top Inner Extension | Vee Angle Male=30              |         |
| F=Bottom Extension    | Vee Angle Female=30            |         |
|                       | 3 Parts=No                     |         |
|                       | Seam Number For Throat=        |         |
|                       | 2 Part Wrapper=No              |         |
|                       | Leg Lengths=No                 |         |
|                       | Allow Central Tie Rods=Yes     |         |
|                       | Riser Bend=No                  |         |
|                       |                                | Seams   |
|                       |                                | S1=None |

Damper:

Pattern: 953

Rectangular/Ductboard



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Top Width           | Throat Type=Radius             | C1=None |
| B=Depth               | Length Adjust For Part 4=0.000 | C2=None |
| C=Btm Width           | Length Adjust For Part 3=0.000 |         |
| D=Angle               | Vee Depth Male=Auto            |         |
| E=Top Inner Extension | Vee Depth Female=Auto          |         |
| F=Bottom Extension    | Vee Angle Male=30              |         |
| G=Inner Radius        | Vee Angle Female=30            |         |
|                       | Auto Oversize=Normal           |         |
|                       | Seam Number For Throat=        |         |
|                       | Leg Lengths=No                 |         |
|                       | Allow Central Tie Rods=Yes     |         |
|                       | Riser Bend=No                  |         |
|                       | Mark Splitter Sides=No         |         |
|                       | Outer Mitre=300.000            |         |
|                       |                                | Seams   |
|                       |                                | S1=None |

Damper:

Pattern: 954

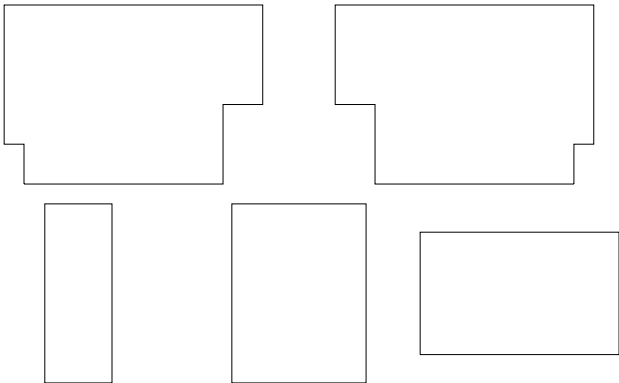
Rectangular/Ductboard



| Dims                | Options                | Conn's  |
|---------------------|------------------------|---------|
| A=Btm Width         | 3 Parts=No             | C1=None |
| B=Depth             | Vee Depth Male=Auto    | C2=None |
| C=Left Width        | Vee Depth Female=Auto  | C3=None |
| D=Right Width       | Vee Notch Angle=30.000 |         |
| E=Bottom Extension  | Hole Diameter=0.500    |         |
| F=Right Extension   | Hole Spacing=2.000     |         |
| G=Left Extension    | Splitters=No           |         |
| H=Splitter Distance | Inlet=1                |         |
|                     | Outlet=2               |         |

Seams  
S1=None

Damper:



Pattern: 955

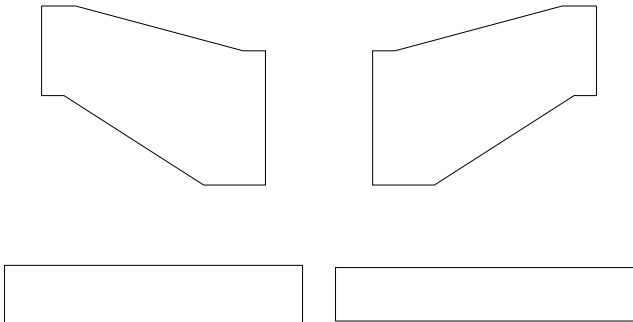
Rectangular/Ductboard



| Dims              | Options        | Conn's  |
|-------------------|----------------|---------|
| A=Left Width      | Split Mitre=No | C1=None |
| B=Depth           |                | C2=None |
| C=Right Width     |                |         |
| D=Length          |                |         |
| E=Left Extension  |                |         |
| F=Right Extension |                |         |
| G=Offset Width    |                |         |
| H=Angle           |                |         |
| I=Left Extension  |                |         |
| J=Right Extension |                |         |
| K=Right Width     |                |         |

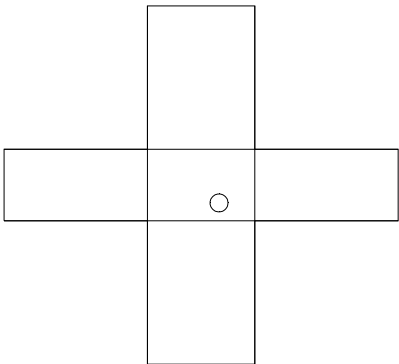
Seams  
S1=None

Damper: None  
None



Pattern: 956

Rectangular/Ductboard



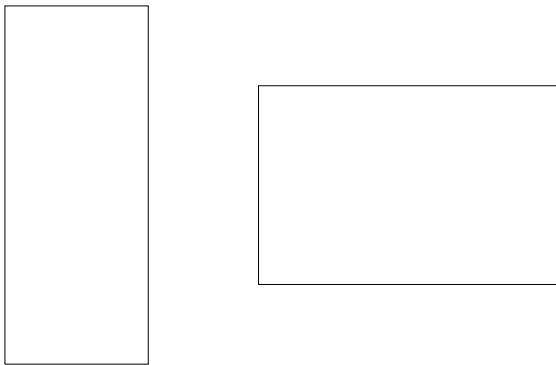
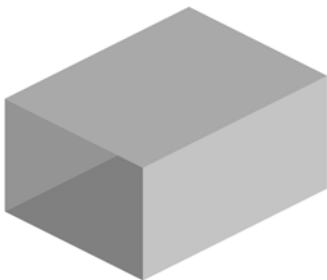
| Dims               |         | Options                | Conn's  |
|--------------------|---------|------------------------|---------|
| A=Width            | B=Depth | Collar Allowance=0.000 | C1=None |
| C=Length           |         | Diameter Type=Nominal  | C2=None |
| D=Hole Width #1    |         | Hole Adjust=0.000      |         |
| E=Hole Depth #1    |         | Position From=Centre   |         |
| F=Hole Radius #1   |         | Use Vee Notch=No       |         |
| G=Hole Inset #1    |         | Vee Notch Angle=0.000  |         |
| H=Hole Offset #1   |         |                        |         |
| I=Hole Collar #1   |         |                        |         |
| J=Hole Rotation #1 |         |                        |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper: None

Pattern: 957

Rectangular/Ductboard



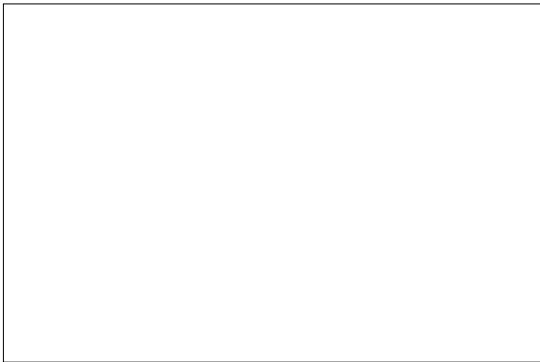
| Dims     |         | Options              | Conn's  |
|----------|---------|----------------------|---------|
| A=Width  | B=Depth | Type=1 Part Straight | C1=None |
| C=Length |         |                      |         |

| Seams |
|-------|
|-------|

Damper:

Pattern: 958

Rectangular/Ductboard



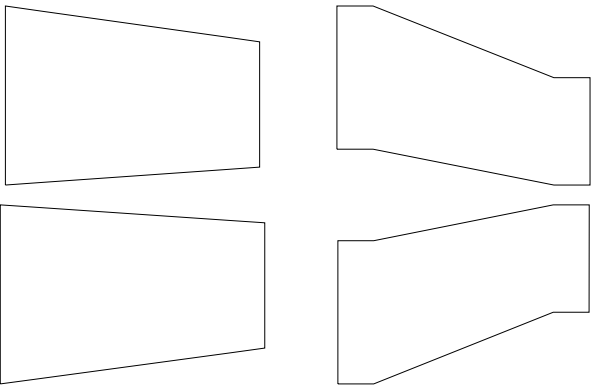
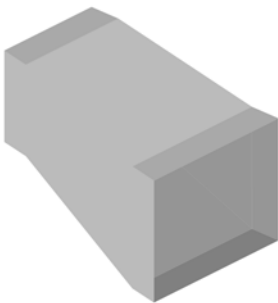
| Dims    |         | Options | Conn's  |
|---------|---------|---------|---------|
| A=Width | B=Depth |         | C1=None |

Seams

Damper:

Pattern: 959

Rectangular



| Dims            |  | Options                                      | Conn's  |
|-----------------|--|--|---------|
| A=Width In      |  | Vee Depth Male=Auto                          | C1=None |
| B=Depth In      |  | Vee Depth Female=Auto                        | C2=None |
| C=Width Out     |  | Vee Notch Angle=20.000                       |         |
| D=Depth Out     |  | Taper Notch If Straight Edge (Female)=No     |         |
| E=Length        |  | Female Allow=Shortest Slope                  |         |
| F=Extension In  |  | Offset Width=Left In                         |         |
| G=Extension Out |  | Offset Depth=Bottom Up                       |         |
| H=Offset Width  |  | Taper Notch If Straight Edge (Male)=No       |         |
| I=Offset Depth  |  | Input=Length                                 |         |
| J=Angle         |  | Vee Notch Depth If Straight Edge (Female)... |         |
|                 |  | Maximum Angle=180.000                        |         |
|                 |  | Splitter Turnover=0.000                      |         |
|                 |  | Splitter Extension=0.000                     |         |
|                 |  | Splitter Adjust=0.000                        |         |
|                 |  | Splitter Hole Diameter=0.000                 |         |
|                 |  | Number Of Holes=0.000                        |         |
|                 |  | Splitters=Half                               |         |
|                 |  | Hole Inset=0.000                             |         |
|                 |  | Fixing Holes on Turnover=No                  |         |
|                 |  | Seam Cut Back=0.000                          |         |

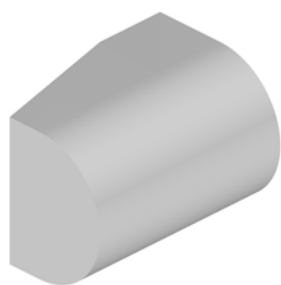
Seams

S1=None

Damper:

Pattern: 962

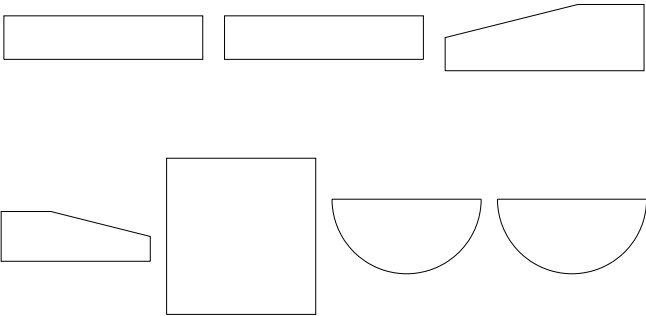
Rectangular/Round



| Dims           | Options                 | Conn's  |
|----------------|-------------------------|---------|
| A=Diameter     | Vee Depth Male=0.000    | C1=None |
| B=Left Height  | Vee Angle Male=30.000   |         |
| C=Right Height | Vee Depth Female=0.000  |         |
| D=Length       | Vee Angle Female=30.000 |         |
| E=Right Length | Notch Out=No            |         |
|                | Use Ends Seam 3=No      |         |
|                | Split Radius=No         |         |
|                | Close Middle=No         |         |

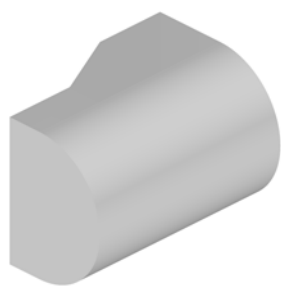
| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 963

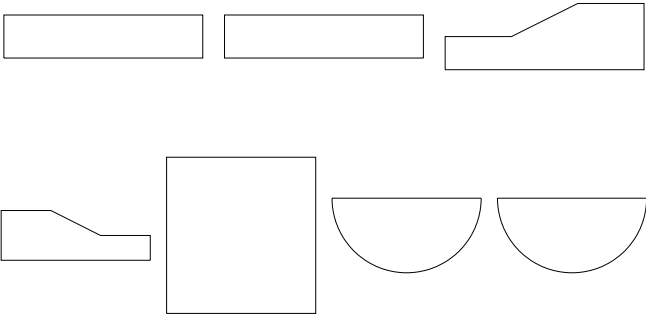
Rectangular/Round



| Dims           | Options                 | Conn's  |
|----------------|-------------------------|---------|
| A=Diameter     | Vee Depth Male=0.000    | C1=None |
| B=Left Height  | Vee Angle Male=30.000   |         |
| C=Right Height | Vee Depth Female=0.000  |         |
| D=Length       | Vee Angle Female=30.000 |         |
| E=Left Length  | Notch Out=No            |         |
| F=Right Length | Use Ends Seam 3=No      |         |
|                | Split Radius=No         |         |
|                | Close Middle=No         |         |

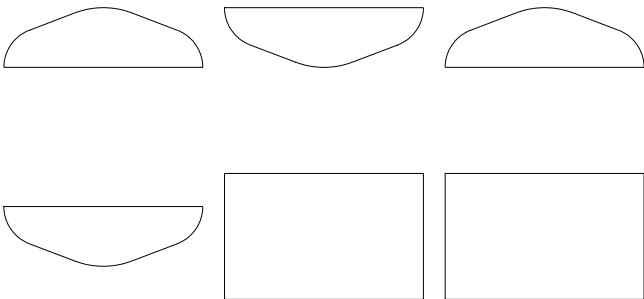
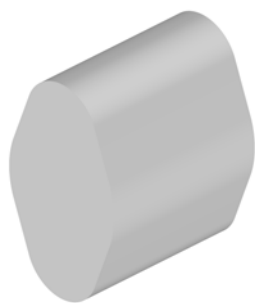
| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 964

Rectangular/Round



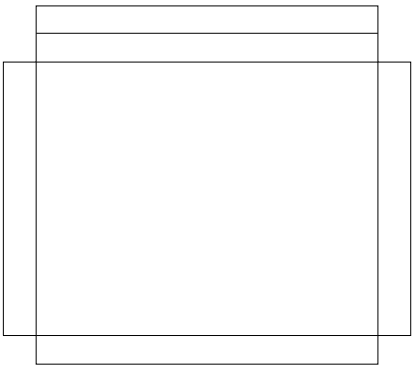
| Dims          | Options                 | Conn's  |
|---------------|-------------------------|---------|
| A=Width       | Vee Depth Male=0.000    | C1=None |
| B=Depth       | Vee Angle Male=30.000   |         |
| C=Length      | Vee Depth Female=0.000  |         |
| D=Left Radius | Vee Angle Female=30.000 |         |
| E=Top Radius  | Notch Out=No            |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 966

Rectangular/Standard



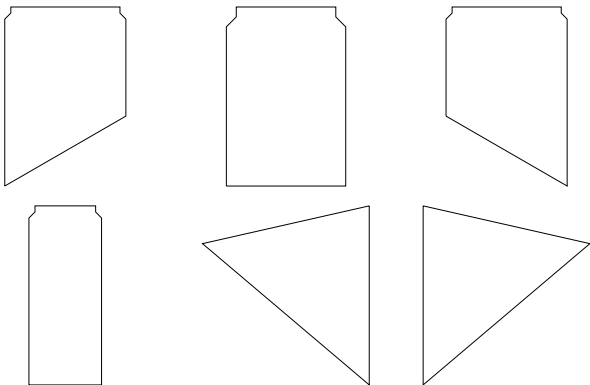
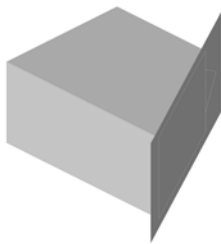
| Dims                   | Options                  | Conn's  |
|------------------------|--------------------------|---------|
| A=Width                | Top Folds=2              | C1=None |
| B=Depth                | Bottom Folds=1           |         |
| C=Top Extension #1     | Left Folds=1             |         |
| D=Top Fold Angle #1    | Right Folds=1            |         |
| E=Top Extension #2     | Attach=                  |         |
| F=Top Fold Angle #2    | Attacher Side=Top        |         |
| G=Bottom Extension #1  | Attacher Extension=1     |         |
| H=Bottom Fold Angle #1 | Mirror Left/Top=Auto     |         |
| I=Left Extension #1    | Rotate Left/Top=Auto     |         |
| J=Left Fold Angle #1   | Mirror Right/Bottom=Auto |         |
| K=Right Extension #1   | Rotate Right/Bottom=Auto |         |
| L=Right Fold Angle #1  | Notch Corners=No         |         |
| M=Attach #1            |                          |         |
| N=Attach #2            |                          |         |
| O=Attach #3            |                          |         |
| P=Top Inset            |                          |         |
| Q=Bend Radius          |                          |         |

| Seams |
|-------|
|-------|

Damper:

Pattern: 971

Rectangular



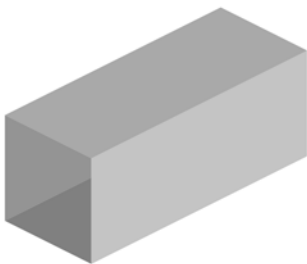
| Dims                |  | Options           | Conn's |
|---------------------|--|-------------------|--------|
| A=Width             |  | Height=Up Slope   |        |
| B=Height            |  | Notch=Vee Notch   |        |
| C=Depth             |  | Input=Slope Angle |        |
| D=Slope Angle       |  |                   |        |
| E=Rise X On 12      |  |                   |        |
| F=Up Slope Flange   |  |                   |        |
| G=Down Slope Flange |  |                   |        |
| H=Left Flange       |  |                   |        |
| I=Right Flange      |  |                   |        |
| J=Cant Angle        |  |                   |        |
| K=Cant Height       |  |                   |        |
| L=Cant Depth        |  |                   |        |
| M=Top Flange Down   |  |                   |        |
| N=Top Flange In     |  |                   |        |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 972

Rectangular/Standard



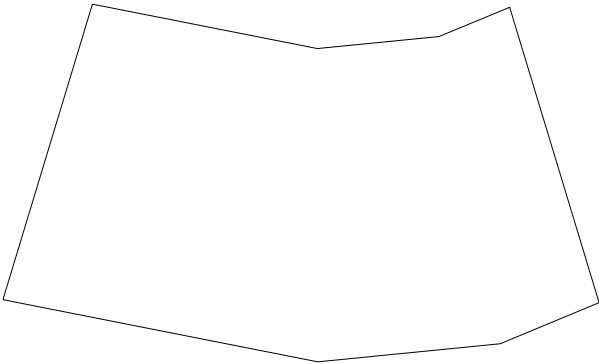
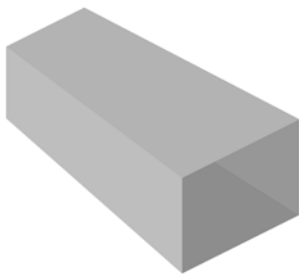
| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Female Allow=Shortest Side       | C2=None |
|          |         | 1xU,1xI=Shortest Side            | C3=None |
|          |         | Connector Fold Notch=Use Default | C4=None |
|          |         | Vee Notch Depth=Auto             | C5=None |
|          |         | Vee Notch Angle=30.000           | C6=None |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Vertical=No                      |         |
|          |         | Adjust=0.000                     |         |
|          |         | Right Offset=6.000               |         |
|          |         | Left Offset=6.000                |         |
|          |         | Insulation UI=Shortest Side      |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 973

Rectangular



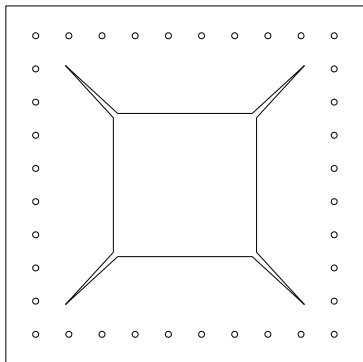
| Dims           | Options                      | Conn's  |
|----------------|------------------------------|---------|
| A=Width In     | Type=Auto                    | C1=None |
| B=Depth In     | Offset Width=Left In         | C2=None |
| C=Width Out    | Offset Depth=Bottom Up       |         |
| D=Depth Out    | Vee Notch Depth=Auto         |         |
| E=Length       | Vee Notch Angle=30.000       |         |
| F=Offset Width | Input=Length                 |         |
| G=Offset Depth | Maximum Angle=180.000        |         |
| H=Angle        | Splitters=Half               |         |
| I=Seam Inset   | Splitter Turnover=0.000      |         |
|                | Splitter Extension=0.000     |         |
|                | Splitter Adjust=0.000        |         |
|                | Splitter Hole Diameter=0.000 |         |
|                | Number Of Holes=0.000        |         |
|                | Hole Inset=0.000             |         |
|                | Fixing Holes on Turnover=No  |         |

Seams  
S1=None

Damper:

Pattern: 981

Rectangular



| Dims            | Options                    | Conn's  |
|-----------------|----------------------------|---------|
| A=Width #1      | Vee Notch Angle=5.000      | C1=None |
| B=Depth #1      | Specify Holes=By Number Of | C2=None |
| C=Width #2      | Holes Across=10            |         |
| D=Depth #2      | Holes Down=10              |         |
| E=Flange Length |                            |         |
| F=Flange Angle  |                            |         |
| G=Hole Diameter |                            |         |
| H=Holes Inset   |                            |         |
| I=Holes Offset  |                            |         |

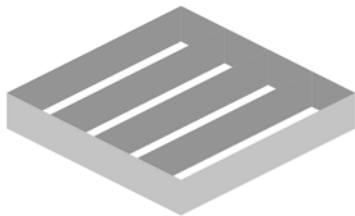
Seams

Damper:



Pattern: 983

Rectangular/Equipment

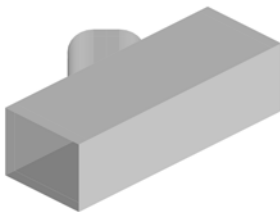


| Dims                   | Options                     | Conn's  |
|------------------------|-----------------------------|---------|
| A=Width                | Type=Supply                 | C1=None |
| B=Depth                | Position From=Edge          | C2=None |
| C=Height               | Lines=3                     |         |
| D=Plate Border (Width) | Rotation=0.000              |         |
| E=Plate Border (Depth) | Arrows/Lines=None           |         |
|                        | Arrows/Lines Sides=0        |         |
|                        | Lines/Circles Spacing=1.000 |         |
|                        | Arrows Direction=Auto       |         |
|                        | Circles=No                  |         |
|                        | Arrows Type=1               |         |
|                        |                             | Seams   |

Damper:

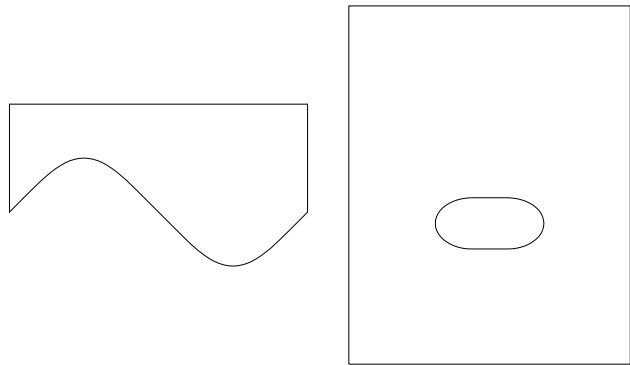
Pattern: 986

Rectangular



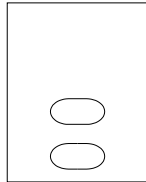
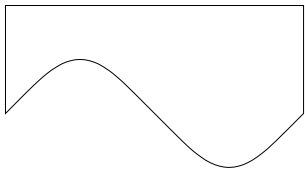
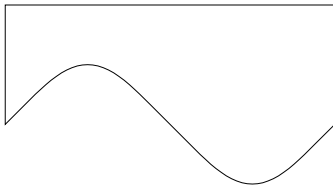
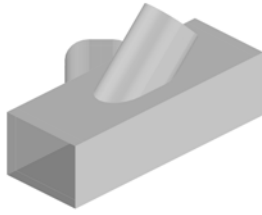
| Dims              | Options                          | Conn's  |
|-------------------|----------------------------------|---------|
| A=Width           | Pipe Parts=Yes                   | C1=None |
| B=Depth           | Branch Parts=Yes                 | C2=None |
| C=Length          | Branch Diameter Type=Nominal     | C3=None |
| D=Left Extension  | Straight Type=1 Part Straight    |         |
| E=Right Extension | Female Allow=Shortest Side       |         |
| F=Branch Width    | 1xU,1xI=Shortest Side            |         |
| G=Branch Depth    | Connector Fold Notch=Use Default |         |
| H=Branch Length   | Vee Notch Depth=Auto             |         |
| I=Angle           | Vee Notch Angle=30.000           |         |
| J=Inset           | Connector Fold Notch=Use Default |         |
| K=Offset          | Vee Notch Depth=Auto             |         |
| L=Extension       | Vee Notch Angle=30.000           |         |
|                   | Branch Rotation=0                |         |
|                   | Branch Allowance To Pipe=0.000   |         |
|                   |                                  | Seams   |
|                   |                                  | S1=None |
|                   |                                  | S2=None |

Damper: None



## Pattern: 987

Rectangular



| Dims              | Options                          | Conn's  |
|-------------------|----------------------------------|---------|
| A=Width           | Pipe Parts=Yes                   | C1=None |
| B=Depth           | Branch Parts=Yes                 | C2=None |
| C=Length          | Branch Diameter Type=Nominal     | C3=None |
| D=Left Extension  | Straight Type=1 Part Straight    | C4=None |
| E=Right Extension | Female Allow=Shortest Side       |         |
| F=Branch Width    | 1xU,1xI=Shortest Side            |         |
| G=Branch Depth    | Connector Fold Notch=Use Default |         |
| H=Branch Length   | Vee Notch Depth=Auto             |         |
| I=Angle           | Vee Notch Angle=30.000           |         |
| J=Inset           | Connector Fold Notch=Use Default |         |
| K=Offset          | Vee Notch Depth=Auto             |         |
| L=Extension       | Vee Notch Angle=30.000           |         |
| M=Branch Width    | Branch Rotation=0                |         |
| N=Branch Depth    | Branch Rotation=90               |         |
| O=Branch Length   | Branch Allowance To Pipe=0.000   |         |
| P=Angle           |                                  |         |
| Q=Inset           |                                  |         |
| R=Offset          |                                  |         |
| S=Extension       |                                  |         |

### Seams

S1=None

S2=None

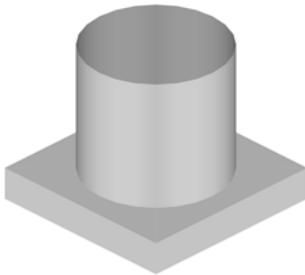
S3=None

Damper: None

None

## Pattern: 996

Rectangular/Round/Equipment



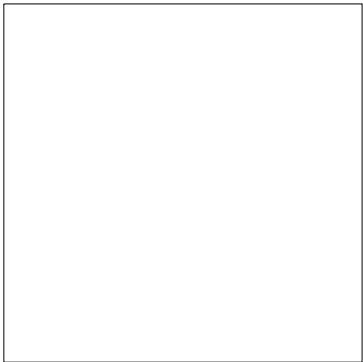
| Dims                   | Options                     | Conn's  |
|------------------------|-----------------------------|---------|
| A=Width                | Type=Supply                 | C1=None |
| B=Depth                | Position From=Edge          | C2=None |
| C=Height               | Type=Round                  | C3=None |
| D=Diameter             | Rotation=0.000              | C4=None |
| E=Collar               | Collar=No                   | C5=None |
| F=Plate Border (Width) | Arrows/Lines=None           | C6=None |
| G=Plate Border (Depth) | Arrows/Lines Sides=0        | C7=None |
|                        | Lines/Circles Spacing=1.000 | C8=None |
|                        | Arrows Direction=Auto       |         |
|                        | Circles=No                  |         |
|                        | Arrows Type=1               |         |
|                        | Diffuser Type=None          |         |
|                        | Cost Supports=No            |         |

### Seams

Damper:

# Pattern: 1101

Rectangular/Round/Flat Oval/Standard/Equipment



| Dims | Options            | Conn's |
|------|--------------------|--------|
|      | Inlet=1            |        |
|      | Outlet=1           |        |
|      | Pipework=No        |        |
|      | Show Boundaries=No |        |
|      | Faces=No           |        |

Seams

Damper:

# Pattern: 1105

Rectangular/Standard

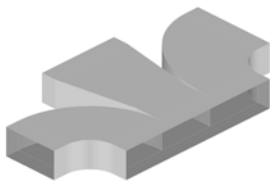
| Dims | Options           | Conn's |
|------|-------------------|--------|
|      | Show Elements=All |        |

Seams

Damper:

Pattern: 1120

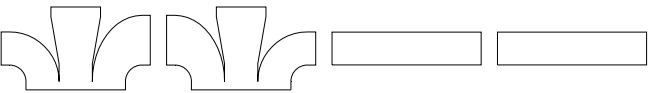
Rectangular/Ductboard



| Dims                 | Options             | Conn's  |
|----------------------|---------------------|---------|
| A=Btm Width          | Left Throat=Radius  | C1=None |
| B=Depth              | Right Throat=Radius | C2=None |
| C=Left Bottom Width  |                     | C3=None |
| D=Right Bottom Width |                     | C4=None |
| E=Left Width         |                     |         |
| F=Top Width          |                     |         |
| G=Right Width        |                     |         |
| H=Top Length #1      |                     |         |
| I=Top Length #2      |                     |         |
| J=Bottom Extension   |                     |         |
| K=Left Extension     |                     |         |
| L=Top Extension      |                     |         |
| M=Right Extension    |                     |         |
| N=Left Radius        |                     |         |
| O=Top Radius         |                     |         |
| P=Right Radius       |                     |         |

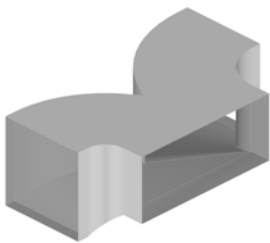
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 1121

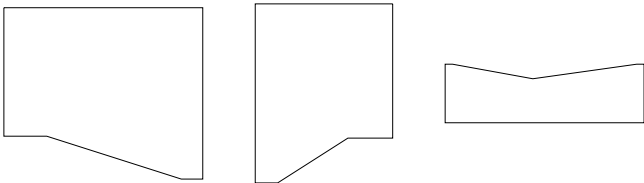
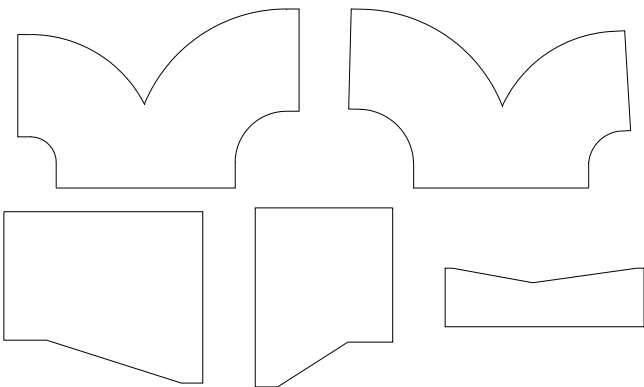
Rectangular/Ductboard



| Dims                  | Options                  | Conn's  |
|-----------------------|--------------------------|---------|
| A=Btm Width           | Right Throat Type=Radius | C1=None |
| B=Btm Depth           | Left Throat Type=Radius  | C2=None |
| C=Right Width         | Vee Depth Male=Auto      | C3=None |
| D=Right Depth         | Vee Depth Female=Auto    |         |
| E=Left Width          | Vee Angle Male=30        |         |
| F=Left Depth          | Vee Angle Female=30      |         |
| G=Right Offset        | Vee Notch Angle=20.000   |         |
| H=Left Offset         | 2 Part Wrapper=No        |         |
| I=Height              | Right Folds=End Point    |         |
| J=Right Radius        | Left Folds=End Point     |         |
| K=Left Radius         | Inlet=1                  |         |
| L=Right Angle         | Outlet=2                 |         |
| M=Left Angle          |                          |         |
| N=Btm Right Extension |                          |         |
| O=Btm Left Extension  |                          |         |
| P=Right Extension     |                          |         |
| Q=Left Extension      |                          |         |

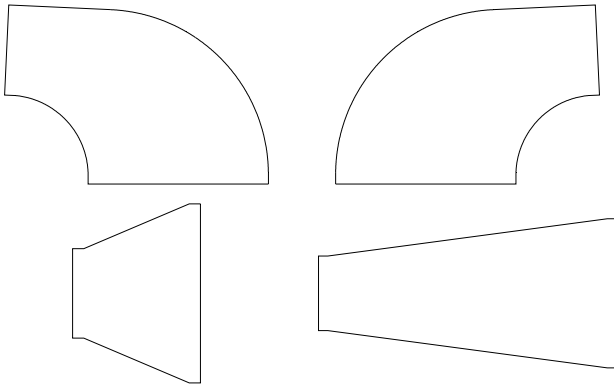
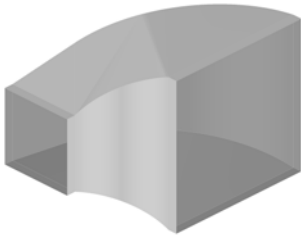
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



## Pattern: 1122

Rectangular/Ductboard



| Dims               | Options                     | Conn's  |
|--------------------|-----------------------------|---------|
| A=Btm Width        | Throat Type=Radius          | C1=None |
| B=Btm Depth        | Vee Depth Male=Auto         | C2=None |
| C=Top Width        | Vee Depth Female=Auto       |         |
| D=Top Depth        | Vee Angle Male=30           |         |
| E=Angle            | Vee Angle Female=30         |         |
| F=Top Extension    | Offset=Top Down             |         |
| G=Bottom Extension | Bending=Left                |         |
| H=Inner Radius     | Allow Central Tie Rods=Yes  |         |
| I=Offset           | Splitter Slit Angle=10.000  |         |
|                    | Intersect Splitter Holes=No |         |

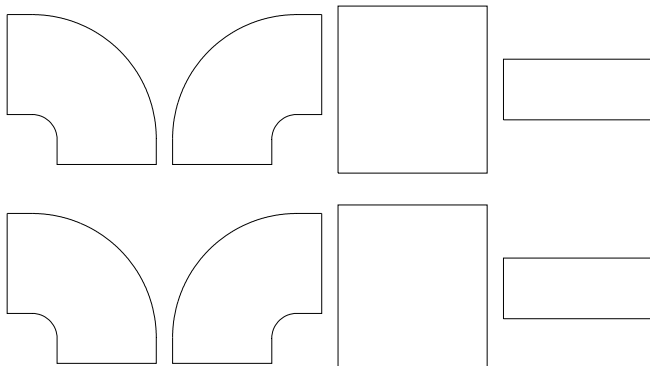
### Seams

S1=None

Damper:

## Pattern: 1124

Rectangular



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Btm Width           | Same Widths=Yes                | C1=None |
| B=Btm Depth           | Left Rotation=Left             | C2=None |
| C=Left Top Width      | Right Rotation=Right           | C3=None |
| D=Right Top Width     | Left Throat Type=Radius        |         |
| E=Btm Left Extension  | Right Throat Type=Radius       |         |
| F=Btm Right Extension | Inner Wrap Length Adjust=0.000 |         |
| G=Left Extension      | Outer Wrap Length Adjust=0.000 |         |
| H=Left Inner Radius   | Vee Depth Male=Auto            |         |
| I=Left Angle          | Vee Depth Female=Auto          |         |
| J=Right Extension     | Vee Angle Male=30              |         |
| K=Right Inner Radius  | Vee Angle Female=30            |         |
| L=Right Angle         | Auto Oversize=Normal           |         |
| M=Gap Width           | Seam Number For Throat=        |         |
| N=C2 Depth            |                                |         |
| O=C3 Depth            |                                |         |

### Seams

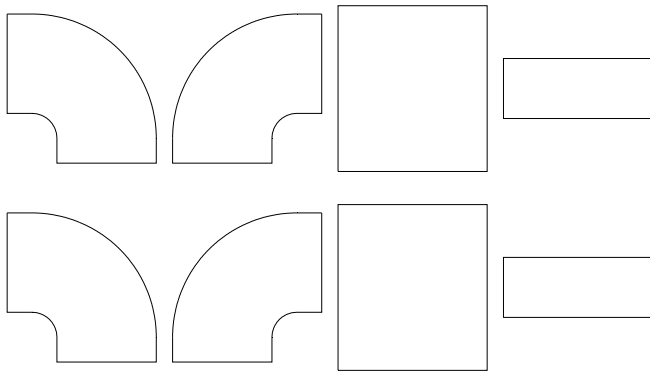
S1=None

S2=None

Damper:

## Pattern: 1125

Rectangular



| Dims                  | Options                        | Conn's  |
|-----------------------|--------------------------------|---------|
| A=Btm Width           | Same Depths=Yes                | C1=None |
| B=Btm Depth           | Back Rotation=Left             | C2=None |
| C=Back Top Width      | Front Rotation=Right           | C3=None |
| D=Front Top Width     | Back Throat Type=Radius        |         |
| E=Btm Back Extension  | Front Throat Type=Radius       |         |
| F=Btm Front Extension | Inner Wrap Length Adjust=0.000 |         |
| G=Back Extension      | Outer Wrap Length Adjust=0.000 |         |
| H=Back Inner Radius   | Vee Depth Male=Auto            |         |
| I=Back Angle          | Vee Depth Female=Auto          |         |
| J=Front Extension     | Vee Angle Male=30              |         |
| K=Front Inner Radius  | Vee Angle Female=30            |         |
| L=Front Angle         | Auto Oversize=Normal           |         |
| M=Gap Depth           | Seam Number For Throat=        |         |
| N=C2 Depth            |                                |         |
| O=C3 Depth            |                                |         |

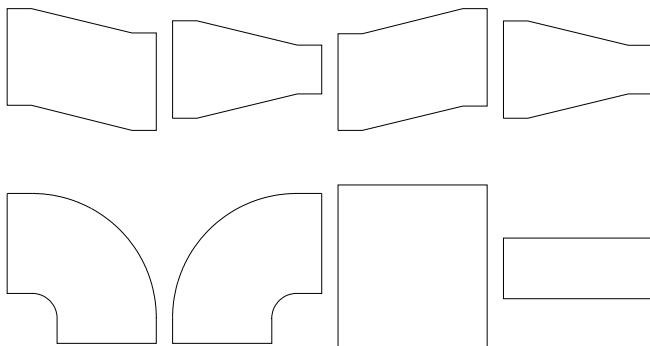
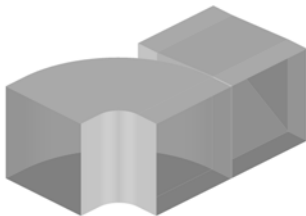
### Seams

S1=None  
S2=None

Damper:

## Pattern: 1126

Rectangular



| Dims                  | Options                | Conn's  |
|-----------------------|------------------------|---------|
| A=Btm Width           | Same Widths=Yes        | C1=None |
| B=Depth               | = Bend Options ===...  | C2=None |
| C=Bend Top Width      | Bend Rotation=Left     | C3=None |
| D=Taper Width Out     | Throat Type=Radius     |         |
| E=Taper Depth Out     | Inner Wrap Length ...  |         |
| F=Bottom Extension    | Outer Wrap Length...   |         |
| G=Bend Extension      | Vee Depth Male=A...    |         |
| H=Bend Inner Radius   | Vee Depth Female=...   |         |
| I=Bend Angle          | Vee Angle Male=30      |         |
| J=Taper Extension Out | Vee Angle Female=...   |         |
| K=Taper Length        | Auto Oversize=Nor...   |         |
| L=Taper Angle         | Seam Number For ...    |         |
| M=Taper Offset Width  | = Taper Options ==...  |         |
| N=Taper Offset Depth  | Input=Length           |         |
| O=Gap Width           | 2 Parts=No             |         |
| P=C2 Depth            | 3 Parts=No             |         |
| Q=C3 Depth            | Vee Depth Male=A...    |         |
|                       | Vee Depth Female=...   |         |
|                       | Vee Notch Angle=20     |         |
|                       | Female Allow=Shor...   |         |
|                       | 2-Sided Part Allowa... |         |
|                       | Offset Width=Left In   |         |
|                       | Offset Depth=Botto...  |         |
|                       | Connector Fold Not...  |         |
|                       | Vee Notch Depth=...    |         |
|                       | Vee Notch Angle=3...   |         |
|                       | Connector Fold Not...  |         |
|                       | Vee Notch Depth=...    |         |

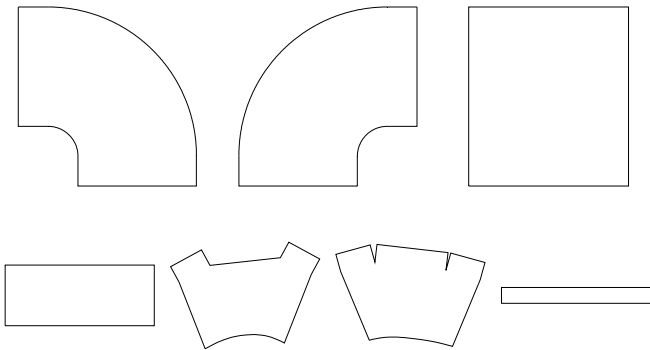
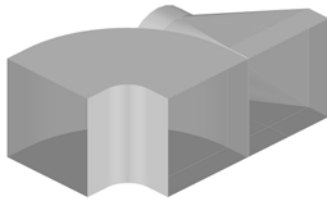
### Seams

S1=None  
S2=None  
S3=None

Damper:

## Pattern: 1127

Rectangular



| Dims                      | Options                                    | Conn's  |
|---------------------------|--|---------|
| A=Btm Width               | Same Widths=Yes                            | C1=None |
| B=Depth                   | = Bend Options === Bend Options =          | C2=None |
| C=Bend Top Width          | Bend Rotation=Left                         | C3=None |
| D=Square-To-Round Dia...  | Throat Type=Radius                         |         |
| E=Bottom Extension        | Inner Wrap Length Adjust=0.000             |         |
| F=Bend Extension          | Outer Wrap Length Adjust=0.000             |         |
| G=Bend Inner Radius       | Vee Depth Male=Auto                        |         |
| H=Bend Angle              | Vee Depth Female=Auto                      |         |
| I=Square-To-Round Collar  | Vee Angle Male=30                          |         |
| J=Square-To-Round Length  | Vee Angle Female=30                        |         |
| K=Square-To-Round Slop... | Auto Oversize=Normal                       |         |
| L=Square-To-Round Offs... | Seam Number For Throat=                    |         |
| M=Square-To-Round Offs... | = Square To Round Options === Square To... |         |
| N=Gap Width               | Cross Break=2                              |         |
| O=C2 Depth                | Length Break=1                             |         |
|                           | Diameter Type=Nominal                      |         |
|                           | Seam Position=Width                        |         |
|                           | Marker Type=Notch                          |         |
|                           | Input=Length                               |         |
|                           | Offset Width=Left In                       |         |
|                           | Offset Depth=Bottom Up                     |         |
|                           | Inlet=1                                    |         |
|                           | Outlet=3                                   |         |
|                           | Fold Notch Depth=Full Allowance            |         |
|                           | Use Join Seam=Yes                          |         |

### Seams

S1=None

S2=None

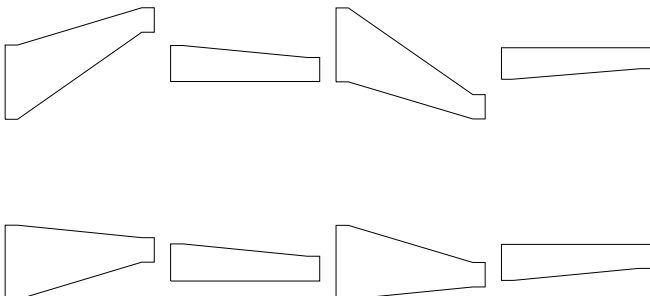
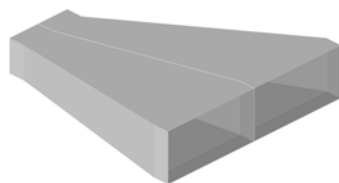
S3=None

S4=None

Damper: None

## Pattern: 1128

Rectangular



| Dims                    | Options                                      | Conn's  |
|-------------------------|--|---------|
| A=Btm Width             | Same Widths=Yes                              | C1=None |
| B=Btm Depth             | Vertical Center=No                           | C2=None |
| C=Top Width             | Input=Length                                 |         |
| D=Top Depth             | 2 Parts=No                                   |         |
| E=Bottom Extension      | 3 Parts=No                                   |         |
| F=Top Extension         | Vee Depth Male=Auto                          |         |
| G=Length                | Vee Depth Female=Auto                        |         |
| H=Taper Angle #1        | Vee Notch Angle=20.000                       |         |
| I=Taper Angle #2        | Female Allow=Shortest Slope                  |         |
| J=Taper Offset Width #1 | 2-Sided Part Allowance=Auto                  |         |
| K=Taper Offset Depth    | Offset Width=Left In                         |         |
| L=Gap Width             | Offset Depth=Bottom Up                       |         |
|                         | Connector Fold Notch=Use Default             |         |
|                         | Vee Notch Depth=Auto                         |         |
|                         | Vee Notch Angle=30.000                       |         |
|                         | Connector Fold Notch=Use Default             |         |
|                         | Vee Notch Depth=Auto                         |         |
|                         | Vee Notch Angle=30.000                       |         |
|                         | Vee Notch Depth If Straight Edge (Female)... |         |
|                         | Taper Notch If Straight Edge (Male)=No       |         |
|                         | Taper Notch If Straight Edge (Female)=No     |         |
|                         | Use Taper Notch For 2 Parts=Yes              |         |
|                         | Seam Cut Back=0.000                          |         |
|                         | Width To Depth Ratio=Always Two Parts        |         |

### Seams

S1=None

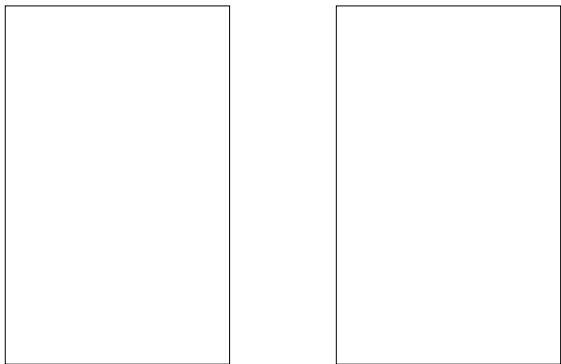
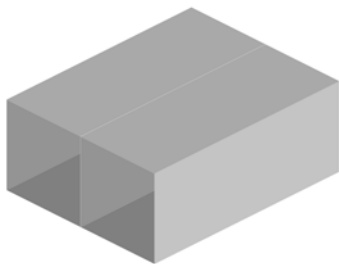
S2=None

S3=None

Damper:

Pattern: 1129

Rectangular



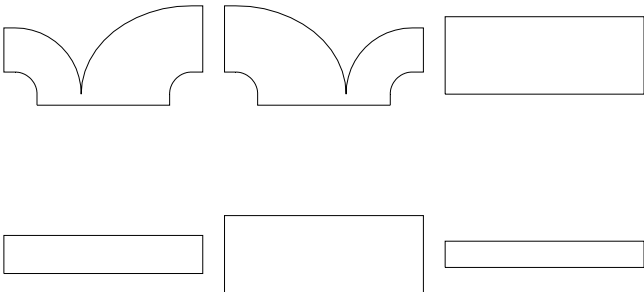
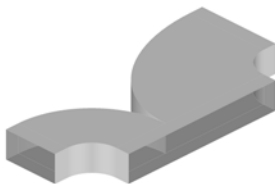
| Dims        | Options                               | Conn's  |
|-------------|---------------------------------------|---------|
| A=Width     | Same Widths=Yes                       | C1=None |
| B=Depth     | Connector Fold Notch=Use Default      | C2=None |
| C=Length    | Vee Notch Depth=Auto                  |         |
| D=Gap Width | Vee Notch Angle=30.000                |         |
|             | Connector Fold Notch=Use Default      |         |
|             | Vee Notch Depth=Auto                  |         |
|             | Vee Notch Angle=30.000                |         |
|             | Oversize Check=Yes                    |         |
|             | Width To Depth Ratio=Always Two Parts |         |

| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:

Pattern: 1130

Rectangular/Ductboard



| Dims                | Options             | Conn's  |
|---------------------|---------------------|---------|
| A=Btm Width         | Left Throat=Radius  | C1=None |
| B=Depth             | Right Throat=Radius | C2=None |
| C=Left Bottom Width |                     | C3=None |
| D=Left Width        |                     | C4=None |
| E=Right Width       |                     |         |
| F=Bottom Extension  |                     |         |
| G=Left Extension    |                     |         |
| H=Right Extension   |                     |         |
| I=Left Radius       |                     |         |
| J=Right Radius      |                     |         |

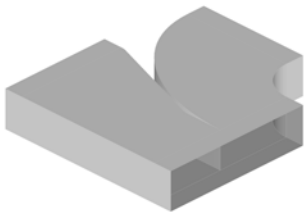
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 1131

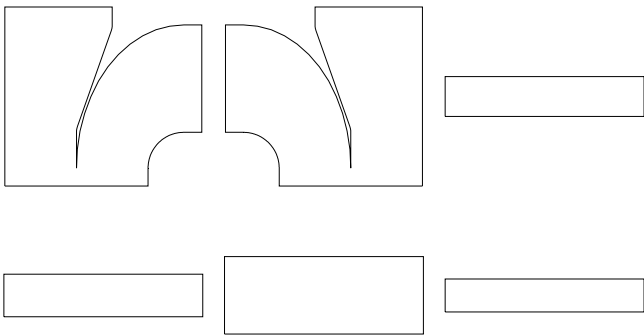
Rectangular/Ductboard



| Dims                 | Options             | Conn's  |
|----------------------|---------------------|---------|
| A=Btm Width          | Right Throat=Radius | C1=None |
| B=Depth              |                     | C2=None |
| C=Right Bottom Width |                     | C3=None |
| D=Top Width          |                     | C4=None |
| E=Right Width        |                     |         |
| F=Top Length #1      |                     |         |
| G=Top Length #2      |                     |         |
| H=Bottom Extension   |                     |         |
| I=Top Extension      |                     |         |
| J=Right Extension    |                     |         |
| K=Top Radius         |                     |         |
| L=Right Radius       |                     |         |

Seams

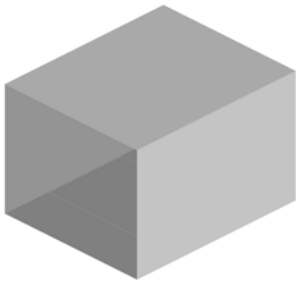
S1=None



Damper:

Pattern: 1133

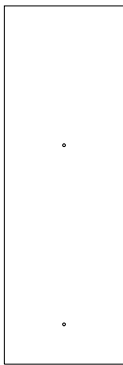
Rectangular



| Dims                     | Options                          | Conn's  |
|--------------------------|----------------------------------|---------|
| A=Width                  | Straight Type=1 Part Straight    | C1=None |
| B=Depth                  | Female Allow=Shortest Side       | C2=None |
| C=Length                 | 1xU,1xI=Shortest Side            |         |
| D=Damper Thickness       | Connector Fold Notch=Use Default |         |
| E=Damper Clearance       | Vee Notch Depth=Auto             |         |
| F=Damper Center Diameter | Vee Notch Angle=30.000           |         |
| G=Damper Angle           | Connector Fold Notch=Use Default |         |
| H=Damper Inset           | Vee Notch Depth=Auto             |         |
| I=Handle Width           | Vee Notch Angle=30.000           |         |
| J=Handle Depth           | Oversize Check=Yes               |         |
| K=Handle Length          | Beading=No                       |         |
|                          | Damper Type=Angled               |         |
|                          | Damper Direction=Vertical        |         |
|                          | Handle Type=Manual               |         |
|                          | Handle Side=Top                  |         |

Seams

S1=None



Damper:

Pattern: 1134

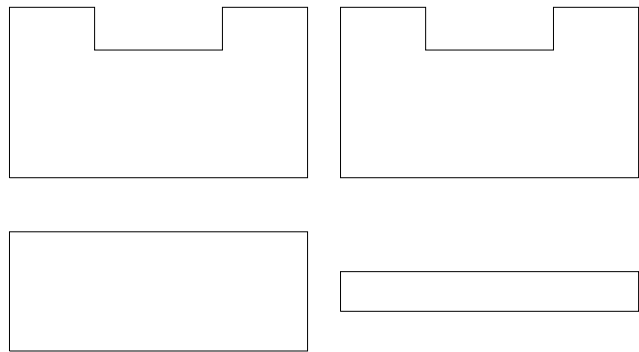
Rectangular



| Dims           | Options                        | Conn's  |
|----------------|--------------------------------|---------|
| A=Left Width   | Wrap Parts=1                   | C1=None |
| B=Middle Width | Inner Wrap Length Adjust=0.000 | C2=None |
| C=Right Width  | Outer Wrap Length Adjust=0.000 |         |
| D=Depth        | Vee Depth Male=Auto            |         |
| E=Height       | Vee Depth Female=Auto          |         |
| F=Left Height  | Vee Angle Male=30              |         |
| G=Right Height | Vee Angle Female=30            |         |
|                | Combine Cheeks And Wrapper=No  |         |

| Seams   |
|---------|
| S1=None |
| S2=None |
| S3=None |

Damper:



Pattern: 1136

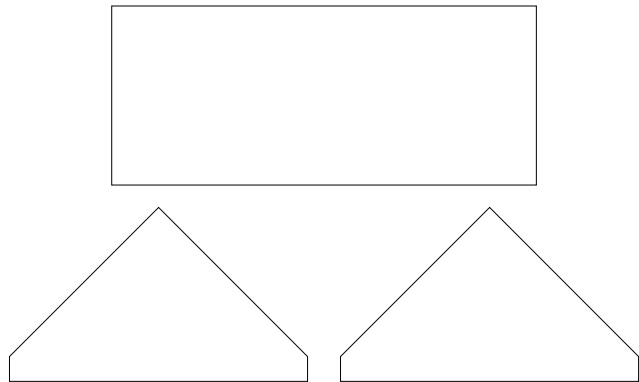
Rectangular/Ductboard



| Dims                   | Options     | Conn's  |
|------------------------|-------------|---------|
| A=Width    B=Depth     | Input=Angle | C1=None |
| C=Height    D=Angle    |             |         |
| E=Extension    F=Depth |             |         |

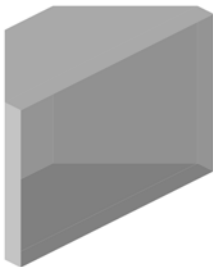
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1138

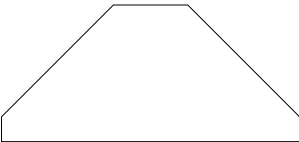
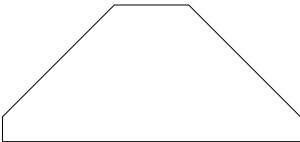
Rectangular/Ductboard



| Dims        | Options     | Conn's  |
|-------------|-------------|---------|
| A=Btm Width | Input=Angle | C1=None |
| B=Depth     |             |         |
| C=Top Width |             |         |
| D=Height    |             |         |
| E=Angle     |             |         |
| F=Extension |             |         |
| G=Depth     |             |         |

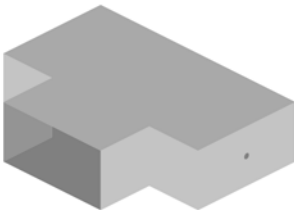
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1139

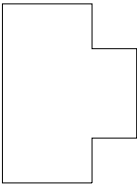
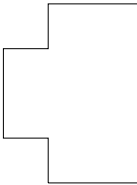
Rectangular



| Dims               | Options               | Conn's  |
|--------------------|-----------------------|---------|
| A=Top Width        | Vee Depth Male=Auto   | C1=None |
| B=Depth            | Vee Depth Female=Auto | C2=None |
| C=Left Width       | Vee Angle Male=30     | C3=None |
| D=Btm Width        | Vee Angle Female=30   |         |
| E=Top Extension    |                       |         |
| F=Left Extension   |                       |         |
| G=Bottom Extension |                       |         |
| H=Hole Diameter    |                       |         |
| I=Hole Inset       |                       |         |
| J=Hole Offset      |                       |         |

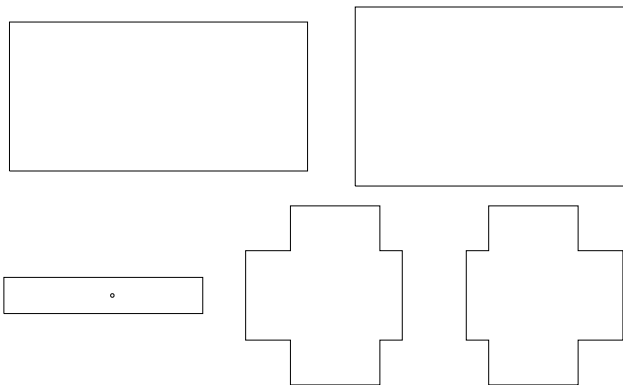
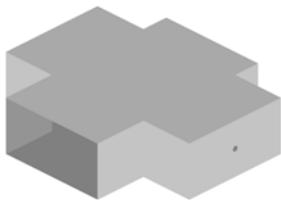
| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1140

Rectangular



| Dims               | Options               | Conn's  |
|--------------------|-----------------------|---------|
| A=Top Width        | Vee Depth Male=Auto   | C1=None |
| B=Depth            | Vee Depth Female=Auto | C2=None |
| C=Left Width       | Vee Angle Male=30     | C3=None |
| D=Right Width      | Vee Angle Female=30   |         |
| E=Btm Width        |                       |         |
| F=Top Extension    |                       |         |
| G=Left Extension   |                       |         |
| H=Right Extension  |                       |         |
| I=Bottom Extension |                       |         |
| J=Hole Diameter    |                       |         |
| K=Hole Inset       |                       |         |
| L=Hole Offset      |                       |         |

Seams

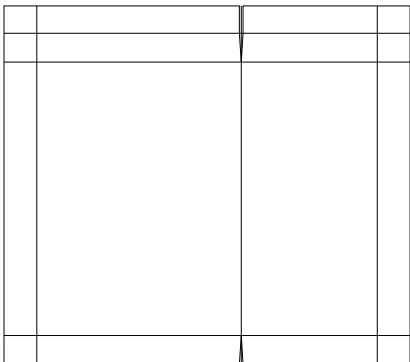
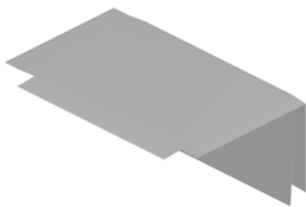
S1=None

S2=None

Damper:

Pattern: 1143

Rectangular/Standard



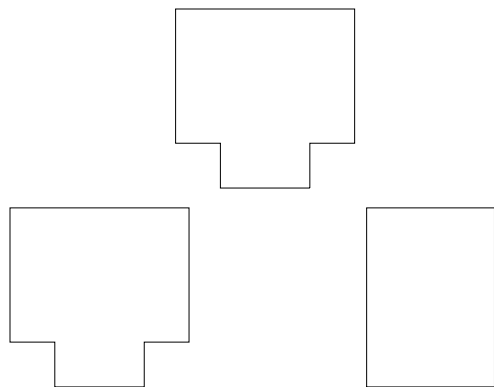
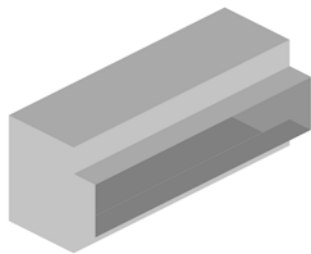
| Dims                   | Options                      | Conn's  |
|------------------------|------------------------------|---------|
| A=Left                 | Top Folds=2                  | C1=None |
| B=Depth                | Bottom Folds=1               |         |
| C=Top Extension #1     | Left Folds=1                 |         |
| D=Top Fold Angle #1    | Right Folds=1                |         |
| E=Top Extension #2     | Attach=                      |         |
| F=Top Fold Angle #2    | Attacher Side=Left and Right |         |
| G=Bottom Extension #1  | Attacher Extension=Front     |         |
| H=Bottom Fold Angle #1 |                              |         |
| I=Left Extension #1    |                              |         |
| J=Left Fold Angle #1   |                              |         |
| K=Right Extension #1   |                              |         |
| L=Right Fold Angle #1  |                              |         |
| M=Attach #1            |                              |         |
| N=Attach #2            |                              |         |
| O=Attach #3            |                              |         |
| P=Inset                |                              |         |
| Q=Bend Radius          |                              |         |
| R=Right                |                              |         |
| S=Angle                |                              |         |

Seams

Damper:

Pattern: 1145

Rectangular/Ductboard



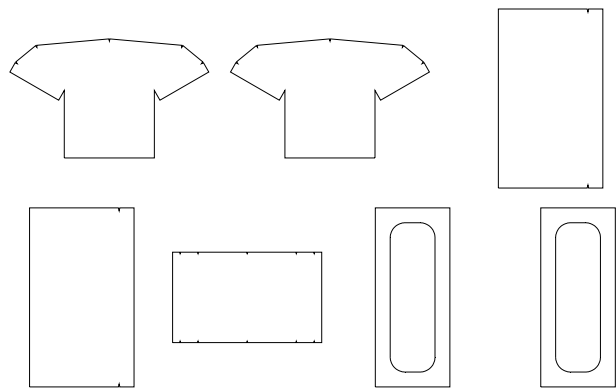
| Dims            | Options                     | Conn's  |
|-----------------|-----------------------------|---------|
| A=Top Width     | 3 Part Wrap=No              | C1=None |
| B=Btm Width     | Connector Allowance=4 Sides |         |
| C=Top Height    |                             |         |
| D=Bottom Height |                             |         |
| E=Length        |                             |         |
| F=Offset        |                             |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1146

Rectangular



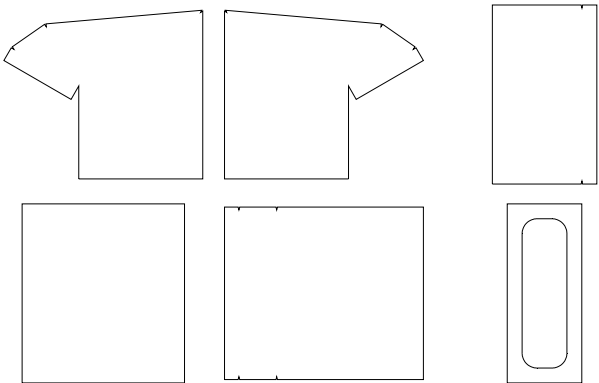
| Dims               | Options                 | Conn's  |
|--------------------|-------------------------|---------|
| A=Width In         | Frame=Yes               | C1=None |
| B=Depth            | Vee Depth Male=0.400    | C2=None |
| C=Width Out        | Vee Angle Male=30.000   | C3=None |
| D=Angle Out        | Vee Depth Female=0.400  |         |
| E=Length #1        | Vee Angle Female=30.000 |         |
| F=Length #2        | Seam Angle=45.000       |         |
| G=Slope Angle      |                         |         |
| H=Bottom Extension |                         |         |
| I=Extension Out    |                         |         |
| J=Frame Width      |                         |         |
| K=Frame Depth      |                         |         |
| L=Frame Radius     |                         |         |
| M=Frame Mitre      |                         |         |

| Seams   |
|---------|
| S1=None |

Damper:

Pattern: 1147

Rectangular



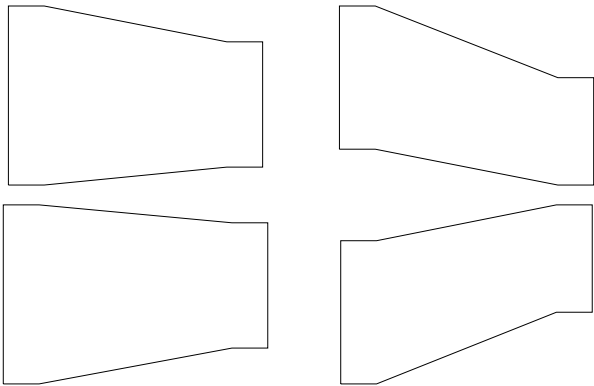
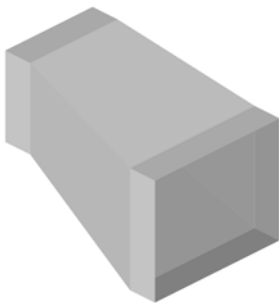
| Dims               | Options                 | Conn's  |
|--------------------|-------------------------|---------|
| A=Width In         | Frame=Yes               | C1=None |
| B=Depth            | Vee Depth Male=0.400    | C2=None |
| C=Width Out        | Vee Angle Male=30.000   | C3=None |
| D=Angle Out        | Vee Depth Female=0.400  |         |
| E=Length #1        | Vee Angle Female=30.000 |         |
| F=Length #2        | Seam Angle=45.000       |         |
| G=Slope Angle      |                         |         |
| H=Bottom Extension |                         |         |
| I=Extension Out    |                         |         |
| J=Frame Width      |                         |         |
| K=Frame Depth      |                         |         |
| L=Frame Radius     |                         |         |
| M=Frame Mitre      |                         |         |

Seams  
S1=None

Damper:

Pattern: 1148

Rectangular



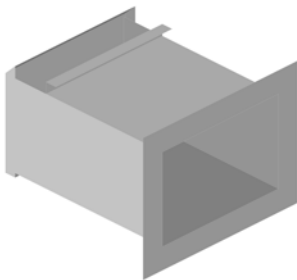
| Dims            | Options                 | Conn's                         |
|-----------------|-------------------------|--------------------------------|
| A=Width In      | 2 Parts=No              | Fixing Holes on Tur... C1=None |
| B=Depth In      | 3 Parts=No              | Seam Cut Back=0.0... C2=None   |
| C=Width Out     | Vee Depth Male=A...     |                                |
| D=Depth Out     | Vee Depth Female=...    |                                |
| E=Length        | Vee Notch Angle=2...    |                                |
| F=Extension In  | Taper Notch If Strai... |                                |
| G=Extension Out | Female Allow=Shor...    |                                |
| H=Offset Width  | 2-Sided Part Allowa...  |                                |
| I=Offset Depth  | Offset Width=Left In    |                                |
| J=Angle         | Offset Depth=Botto...   |                                |
| K=Extension In  | Taper Notch If Strai... |                                |
| L=Extension Out | Use Taper Notch F...    |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Input=Length            |                                |
|                 | Vee Notch Depth If...   |                                |
|                 | Maximum Angle=1...      |                                |
|                 | Splitter Turnover=0...  |                                |
|                 | Splitter Extension=...  |                                |
|                 | Splitter Adjust=0.000   |                                |
|                 | Connector Fold Not...   |                                |
|                 | Vee Notch Depth=...     |                                |
|                 | Vee Notch Angle=3...    |                                |
|                 | Splitter Hole Diamo...  |                                |
|                 | Number Of Holes=...     |                                |
|                 | Splitters=Half          |                                |
|                 | Hole Inset=0.000        |                                |

Seams  
S1=None

Damper:

Pattern: 1149

Rectangular



| Dims               | Options                 | Conn's  |
|--------------------|-------------------------|---------|
| A=Width            | Vee Depth Male=0.400    | C1=None |
| B=Depth            | Vee Angle Male=30.000   | C2=None |
| C=Height           | Vee Depth Female=0.400  |         |
| D=Open Height      | Vee Angle Female=30.000 |         |
| E=Flashing Width   | Lid Dims=Actual         |         |
| F=Flashing Depth   | Show Lid=On Top         |         |
| G=Edge Front       |                         |         |
| H=Edge Down        |                         |         |
| I=Lid Width        |                         |         |
| J=Lid Top Depth    |                         |         |
| K=Lid Bottom Depth |                         |         |
| L=Lid Height       |                         |         |

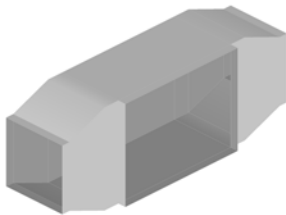
Seams

S1=None

Damper:

Pattern: 1153

Rectangular/Ductboard



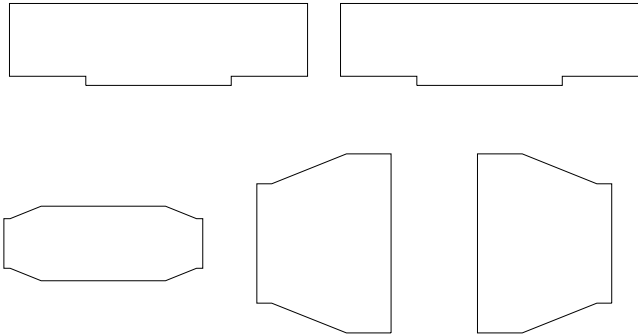
| Dims                  | Options           | Conn's  |
|-----------------------|-------------------|---------|
| A=Btm Width           | 2 Part Wrapper=No | C1=None |
| B=Btm Depth           |                   | C2=None |
| C=Left Width Out      |                   | C3=None |
| D=Left Depth          |                   |         |
| E=Right Width Out     |                   |         |
| F=Right Depth         |                   |         |
| G=Left Height         |                   |         |
| H=Right Height        |                   |         |
| I=Left Straight       |                   |         |
| J=Right Straight      |                   |         |
| K=Left Length         |                   |         |
| L=Right Length        |                   |         |
| M=Btm Left Extension  |                   |         |
| N=Btm Right Extension |                   |         |
| O=Left Extension      |                   |         |
| P=Right Extension     |                   |         |
| Q=Left Offset Width   |                   |         |
| R=Left Offset Depth   |                   |         |
| S=Right Offset Width  |                   |         |
| T=Right Offset Depth  |                   |         |

Seams

S1=None

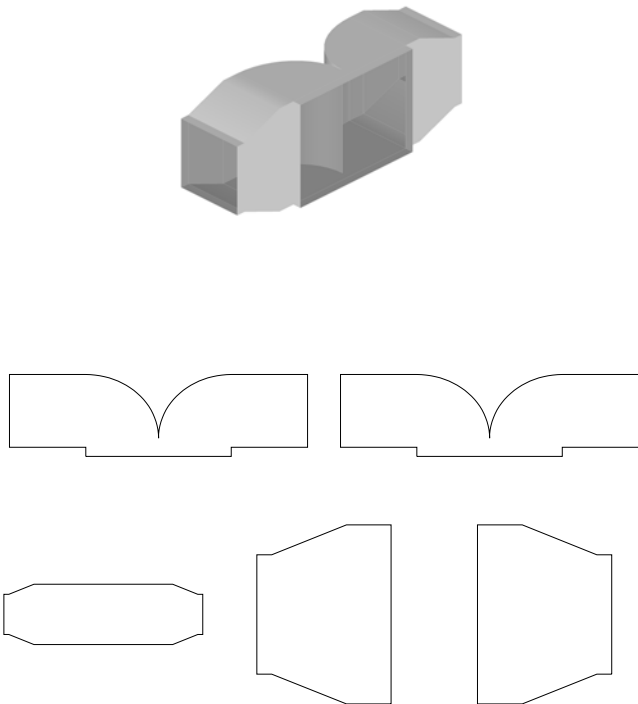
S2=None

Damper:



Pattern: 1154

Rectangular/Ductboard



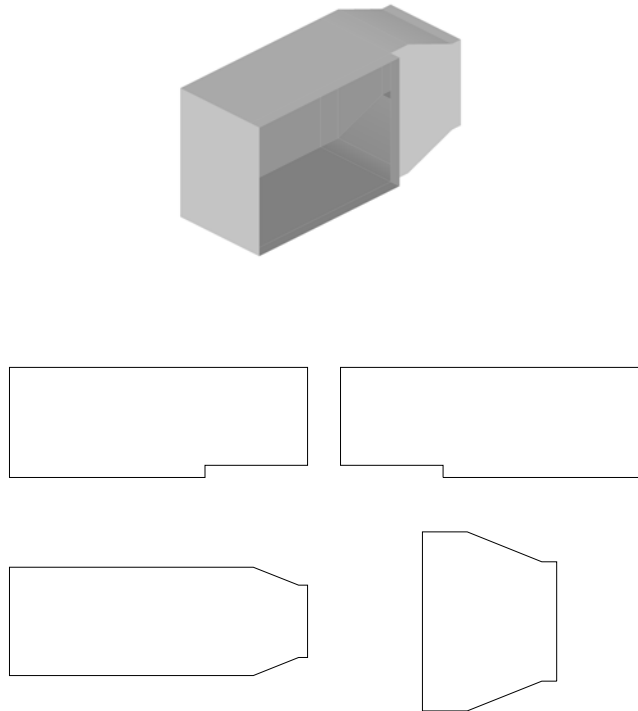
| Dims                  | Options           | Conn's  |
|-----------------------|-------------------|---------|
| A=Btm Width           | 2 Part Wrapper=No | C1=None |
| B=Btm Depth           |                   | C2=None |
| C=Left Width In       |                   | C3=None |
| D=Left Width Out      |                   |         |
| E=Left Depth          |                   |         |
| F=Right Width In      |                   |         |
| G=Right Width Out     |                   |         |
| H=Right Depth         |                   |         |
| I=Left Height         |                   |         |
| J=Mid Height          |                   |         |
| K=Right Height        |                   |         |
| L=Left Straight       |                   |         |
| M=Right Straight      |                   |         |
| N=Left Length         |                   |         |
| O=Right Length        |                   |         |
| P=Btm Left Extension  |                   |         |
| Q=Btm Right Extension |                   |         |
| R=Left Extension      |                   |         |
| S=Right Extension     |                   |         |
| T=Left Offset Width   |                   |         |
| U=Left Offset Depth   |                   |         |
| V=Right Offset Width  |                   |         |
| W=Right Offset Depth  |                   |         |
| X=Left Angle          |                   |         |
| Y=Right Angle         |                   |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1155

Rectangular/Ductboard



| Dims                  | Options           | Conn's  |
|-----------------------|-------------------|---------|
| A=Btm Width           | Heel=Square       | C1=None |
| B=Btm Depth           | 2 Part Wrapper=No | C2=None |
| C=Right Width Out     |                   | C3=None |
| D=Right Depth         |                   |         |
| E=Right Height        |                   |         |
| F=Right Straight      |                   |         |
| G=Right Length        |                   |         |
| H=Btm Left Extension  |                   |         |
| I=Btm Right Extension |                   |         |
| J=Right Extension     |                   |         |
| K=Right Offset Width  |                   |         |
| L=Right Offset Depth  |                   |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



Pattern: 1159

Rectangular



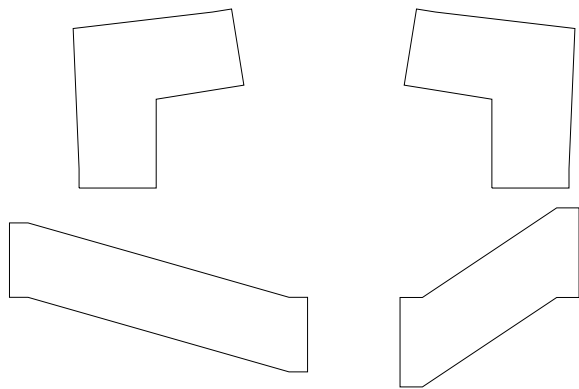
| Dims        |             | Options                      | Conn's  |
|-------------|-------------|------------------------------|---------|
| A=Width     | B=Height    | Lines Input=Spacing          | C1=None |
| C=X Spacing | D=Y Spacing | X Visible (0.0 to 1.0)=0.250 |         |
|             |             | Y Visible (0.0 to 1.0)=0.250 |         |
|             |             | Internal Lines=No            |         |

Seams

Damper:

Pattern: 1166

Rectangular



| Dims               |  | Options                | Conn's  |
|--------------------|--|------------------------|---------|
| A=Btm Width        |  | Type=Normal            | C1=None |
| B=Btm Depth        |  | Angled Ends=No         | C2=None |
| C=Right Width      |  | Wrap Parts=1           |         |
| D=Right Depth      |  | Vee Depth Male=Auto    |         |
| E=Bottom Length    |  | Vee Depth Female=Auto  |         |
| F=Right Length     |  | Vee Angle Male=30      |         |
| G=Bottom Extension |  | Vee Angle Female=30    |         |
| H=Right Extension  |  | Rotation=None          |         |
| I=Bottom Offset    |  | Direction=C1 In C2 Out |         |
| J=Right Offset     |  |                        |         |

Seams  
S1=None

Damper:

Pattern: 1167

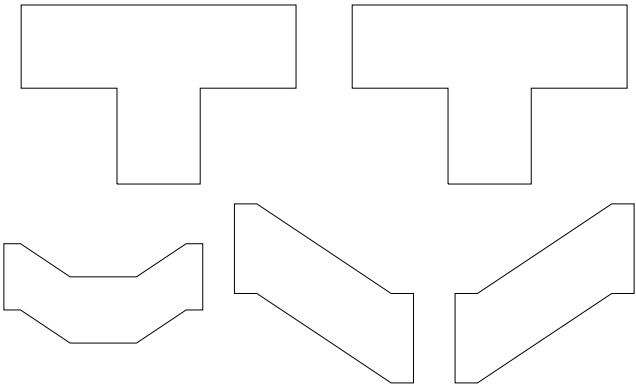
Rectangular



| Dims               | Options               | Conn's  |
|--------------------|-----------------------|---------|
| A=Btm Width        | Type=Normal           | C1=None |
| B=Btm Depth        | Sides Same=Yes        | C2=None |
| C=Left Width       | Angled Ends=No        | C3=None |
| D=Left Depth       | Wrap Parts=1          |         |
| E=Right Width      | Vee Depth Male=Auto   |         |
| F=Right Depth      | Vee Depth Female=Auto |         |
| G=Bottom Length    | Vee Angle Male=30     |         |
| H=Right Length     | Vee Angle Female=30   |         |
| I=Bottom Extension | Cheeks 2 Parts=No     |         |
| J=Right Extension  |                       |         |
| K=Bottom Offset    |                       |         |
| L=Right Offset     |                       |         |
| M=Right Mid Angle  |                       |         |

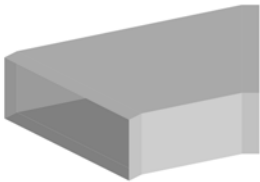
| Seams   |
|---------|
| S1=None |

Damper:



Pattern: 1171

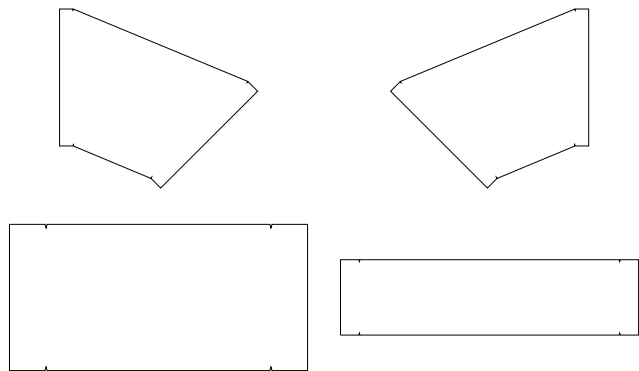
Rectangular



| Dims              | Options                               | Conn's  |
|-------------------|---------------------------------------|---------|
| A=Left Width      | Input=Angle And Inner & Right Lengths | C1=None |
| B=Depth           | Type=Straight                         | C2=None |
| C=Right Width     | Vee Depth Male=0.400                  |         |
| D=Inner Length    | Vee Angle Male=30.000                 |         |
| E=Outer Length    | Vee Depth Female=0.400                |         |
| F=Left Length     | Vee Angle Female=30.000               |         |
| G=Right Length    |                                       |         |
| H=Left Extension  |                                       |         |
| I=Right Extension |                                       |         |
| J=Total Angle     |                                       |         |

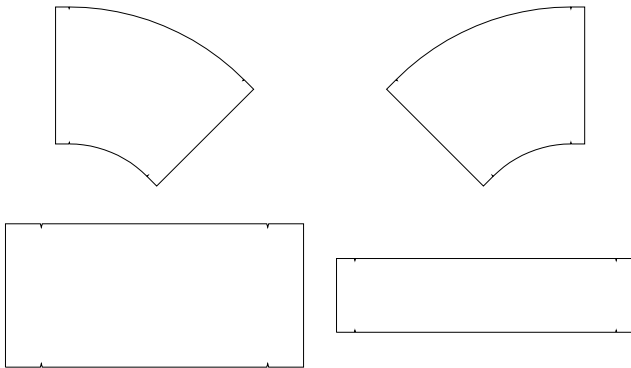
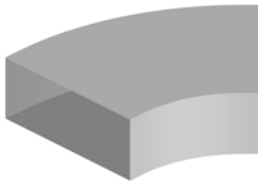
| Seams   |
|---------|
| S1=None |

Damper:



## Pattern: 1172

Rectangular



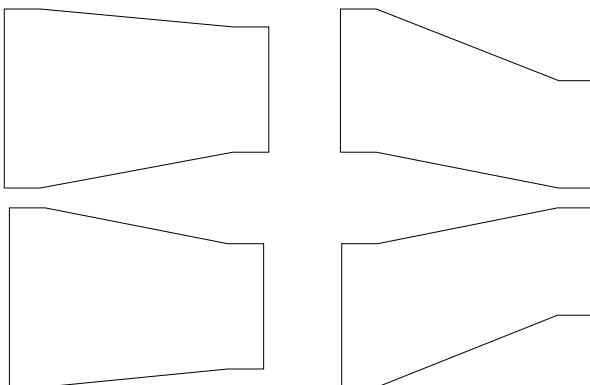
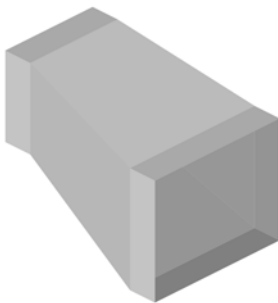
| Dims              | Options                               | Conn's  |
|-------------------|---------------------------------------|---------|
| A=Left Width      | Input=Angle And Inner & Right Lengths | C1=None |
| B=Depth           | Type=Radius                           | C2=None |
| C=Right Width     | Vee Depth Male=0.400                  |         |
| D=Inner Length    | Vee Angle Male=30.000                 |         |
| E=Outer Length    | Vee Depth Female=0.400                |         |
| F=Left Length     | Vee Angle Female=30.000               |         |
| G=Right Length    |                                       |         |
| H=Left Extension  |                                       |         |
| I=Right Extension |                                       |         |
| J=Total Angle     |                                       |         |

Seams  
S1=None

Damper:

## Pattern: 1178

Rectangular/Ductboard



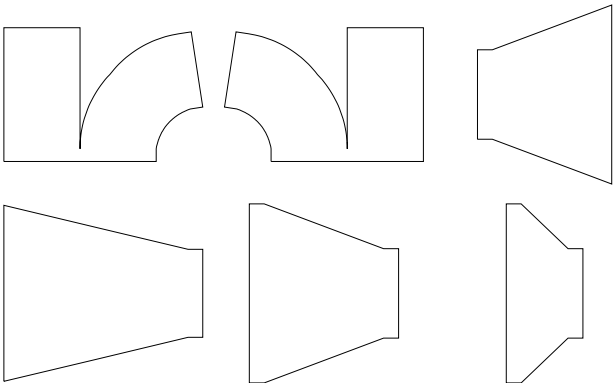
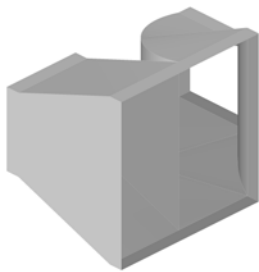
| Dims            | Options                                      | Conn's  |
|-----------------|--|---------|
| A=Width In      | 2 Parts=No                                   | C1=None |
| B=Depth In      | 3 Parts=No                                   | C2=None |
| C=Width Out     | Vee Depth Male=Auto                          |         |
| D=Depth Out     | Vee Depth Female=Auto                        |         |
| E=Length        | Vee Notch Angle=20.000                       |         |
| F=Extension In  | Taper Notch If Straight Edge (Female)=No     |         |
| G=Extension Out | Female Allow=Shortest Slope                  |         |
| H=Offset Width  | 2-Sided Part Allowance=Auto                  |         |
| I=Offset Depth  | Offset Width=Left In                         |         |
| J=Angle         | Offset Depth=Bottom Up                       |         |
| K=Extension In  | Taper Notch If Straight Edge (Male)=No       |         |
| L=Extension Out | Use Taper Notch For 2 Parts=Yes              |         |
|                 | Connector Fold Notch=Use Default             |         |
|                 | Vee Notch Depth=Auto                         |         |
|                 | Vee Notch Angle=30.000                       |         |
|                 | Input=Length                                 |         |
|                 | Vee Notch Depth If Straight Edge (Female)... |         |
|                 | Maximum Angle=180.000                        |         |
|                 | Splitter Turnover=0.000                      |         |
|                 | Splitter Extension=0.000                     |         |
|                 | Splitter Adjust=0.000                        |         |
|                 | Connector Fold Notch=Use Default             |         |
|                 | Vee Notch Depth=Auto                         |         |
|                 | Vee Notch Angle=30.000                       |         |
|                 | Splitter Hole Diameter=0.000                 |         |
|                 | Number Of Holes=0.000                        |         |
|                 | Splitters=Half                               |         |
|                 | Hole Inset=0.000                             |         |

Seams  
S1=None

Damper:

Pattern: 1179

Rectangular



| Dims               | Options                          | Conn's  |
|--------------------|----------------------------------|---------|
| A=Btm Width        | Same Widths=Yes                  | C1=None |
| B=Btm Depth        | Right Throat=Radius              | C2=None |
| C=Btm Left Width   | Vee Depth Male=Auto              | C3=None |
| D=Btm Right Width  | Vee Depth Female=Auto            |         |
| E=Right Width      | Vee Angle Male=30                |         |
| F=Right Depth      | Vee Angle Female=30              |         |
| G=Top Width        | Seam Top Arcs=No                 |         |
| H=Top Depth        | Cheeks Seam=Male                 |         |
| I=Top Length #1    | Junction Seam Cutback (Up)=0.000 |         |
| J=Top Length #2    |                                  |         |
| K=Bottom Extension |                                  |         |
| L=Right Extension  |                                  |         |
| M=Top Extension    |                                  |         |
| N=Right Offset     |                                  |         |
| O=Top Offset       |                                  |         |
| P=Right Radius     |                                  |         |
| Q=Top Radius       |                                  |         |

Seams

S1=None

S2=None

Damper:

Pattern: 1180

Rectangular



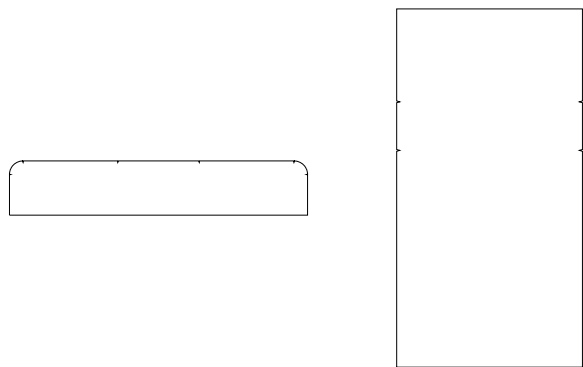
| Dims           | Options               | Conn's  |
|----------------|-----------------------|---------|
| A=Width        | Input=Number Of Lines | C1=None |
| B=Height       | Lines=10.000          |         |
| C=Inner Radius |                       |         |
| D=Angle        |                       |         |
| E=Flange       |                       |         |

Seams

Damper:

Pattern: 1183

Rectangular



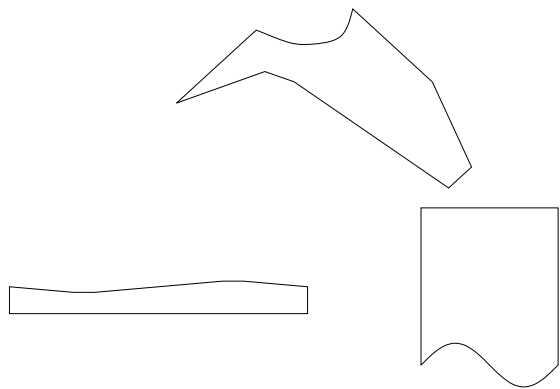
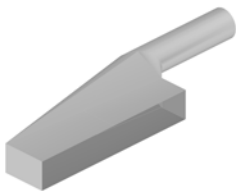
| Dims     |          | Options                | Conn's  |
|----------|----------|------------------------|---------|
| A=Width  | B=Depth  | Develop Parts=2        | C1=None |
| C=Height | D=Radius | Vee Depth Male=0.400   |         |
|          |          | Vee Depth Female=0.400 |         |
|          |          | Vee Angle Male=30      |         |
|          |          | Vee Angle Female=30    |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1190

Rectangular/Round



| Dims                  |                       | Options               | Conn's  |
|-----------------------|-----------------------|-----------------------|---------|
| A=Width               | B=Depth               | Diameter Type=Nominal | C1=None |
| C=Diameter            | D=Btm Left Ext        | Round Parts=1         | C2=None |
| E=Btm Right Ext       | F=Top Upper Extension | Rect Parts=1          |         |
| G=Top Lower Extension | H=Inner Length #1     | Body Cross Break=1    |         |
| I=Inner Length #2     | J=Offset Depth        | Body Length Break=1   |         |
| K=Angle               |                       | Seam Position=Width   |         |
|                       |                       | Marker Type=Notch     |         |
|                       |                       | Inlet=1               |         |
|                       |                       | Outlet=2              |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:

Pattern: 1191

Rectangular/Standard/Equipment



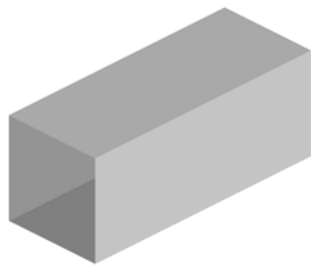
| Dims          | Options         | Conn's  |
|---------------|-----------------|---------|
| A=Height      | Symmetrical=Yes | C1=None |
| B=Length      |                 | C2=None |
| C=Thickness   |                 |         |
| D=Left Width  |                 |         |
| E=Left Height |                 |         |
| F=Width       |                 |         |

Seams

Damper:

Pattern: 1193

Rectangular/Ductboard

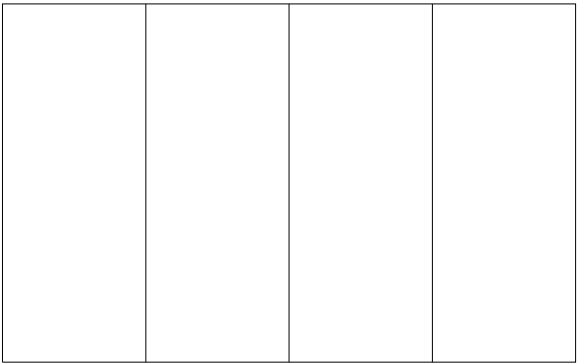


| Dims       | Options | Conn's  |
|------------|---------|---------|
| A=Length   |         | C1=None |
| B=Width #1 |         | C2=None |
| C=Depth #1 |         |         |
| D=Width #2 |         |         |
| E=Depth #2 |         |         |
| F=Width #3 |         |         |
| G=Depth #3 |         |         |
| H=Width #4 |         |         |
| I=Depth #4 |         |         |
| J=Width #5 |         |         |
| K=Depth #5 |         |         |

Seams

S1=None

Damper:



Pattern: 1194

Rectangular/Standard/Equipment



| Dims              | Options    | Conn's  |
|-------------------|------------|---------|
| A=Width           | Detail=Low | C1=None |
| B=Height          |            | C2=None |
| C=Length          |            |         |
| D=Mid Width       |            |         |
| E=Mid Inset       |            |         |
| F=Mid Offset      |            |         |
| G=End Width       |            |         |
| H=End Height      |            |         |
| I=Thickness       |            |         |
| J=Radius          |            |         |
| K=Curve (0.0-1.0) |            |         |

Seams

Damper:

Pattern: 1196

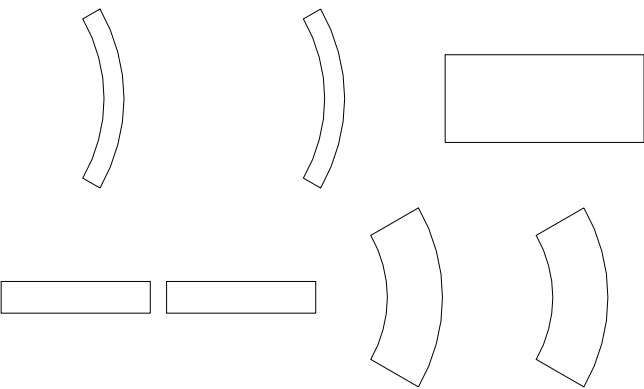
Rectangular



| Dims            | Options             | Conn's  |
|-----------------|---------------------|---------|
| A=Top Width     | Type=A              | C1=None |
| B=Top Height    | Draw Connectors=Yes | C2=None |
| C=Bottom Width  | Notch Corners=Yes   | C3=None |
| D=Bottom Height | Develop Ends=No     |         |
| E=Radius        |                     |         |
| F=Angle         |                     |         |

| Seams   |
|---------|
| S1=None |
| S2=None |

Damper:



## Pattern: 1238

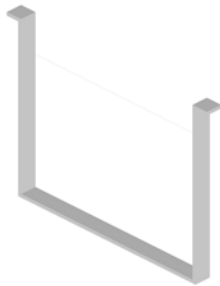
Rectangular/Standard/Equipment



| Dims                   | Options                        | Conn's  |
|------------------------|--------------------------------|---------|
| A=Width                | Profile=Rectangular            | C1=None |
| B=Depth                | Pipework=No                    | C2=None |
| C=Bearer Extn          | Drop Rod Diameter=0.400        | C3=None |
| D=Left Angle           | Bearer Width=2.000             |         |
| E=Right Angle          | Bearer Thickness=0.400         |         |
| F=Right Rod Extn Above | Oversized Item=No              |         |
| G=Left Rod Extn Above  | Area of Influence=0.000        |         |
| H=Rod Extn Below       | A of I: Filled Circle=No       |         |
| I=Length A             | A of I: Circle Thickness=0.100 |         |
| J=Length B             | Export=All                     |         |
| K=Supported Width      | Export Rod Size=Yes            | Seams   |
| L=Supported Depth      | Front Seismic Rod=No           |         |
| M=Right Rod Offset     | Back Seismic Rod=No            |         |
| N=Left Rod Offset      | Left Seismic Rod=No            |         |
|                        | Right Seismic Rod=No           |         |
|                        | Front Seismic Rod=No           |         |
|                        | Back Seismic Rod=No            | Damper: |
|                        | Left Seismic Rod=No            |         |
|                        | Right Seismic Rod=No           |         |
|                        | Use Support Settings=Yes       |         |
|                        | Point Load A=0.000             |         |
|                        | Point Load B=0.000             |         |

## Pattern: 1241

Rectangular/Standard/Equipment



| Dims              | Options                        | Conn's  |
|-------------------|--------------------------------|---------|
| A=Width           | Profile=Rectangular            | C1=None |
| B=Depth           | Bearer Width=2.000             | C2=None |
| C=Top Length      | Bearer Thickness=0.400         | C3=None |
| D=Bearer Extn     | Area of Influence=0.000        |         |
| E=Length A        | A of I: Filled Circle=No       |         |
| F=Length B        | A of I: Circle Thickness=0.100 |         |
| G=Supported Width | Export=All                     |         |
| H=Supported Depth | Export Rod Size=Yes            |         |
|                   | Use Support Settings=Yes       |         |
|                   | Point Load A=0.000             |         |
|                   | Point Load B=0.000             | Seams   |

Damper:



## Pattern: 1248

Rectangular/Standard/Equipment



| Dims                   | Options                        | Conn's  |
|------------------------|--------------------------------|---------|
| A=Width                | Profile=Rectangular            | C1=None |
| B=Depth                | Number Of Round Sections=Auto  | C2=None |
| C=Bearer Extn          | Drop Rod Diameter=0.400        | C3=None |
| D=Right Rod Extn Above | Bearer Thickness=0.000         |         |
| E=Left Rod Extn Above  | Hex End=Yes                    |         |
| F=Rod Extn Below       | Roller Rod Diameter=0.600      |         |
| G=Length A             | Area of Influence=0.000        |         |
| H=Length B             | A of I: Filled Circle=No       |         |
| I=Supported Width      | A of I: Circle Thickness=0.100 |         |
| J=Supported Depth      | Export=All                     |         |
|                        | Export Rod Size=Yes            |         |
|                        | Use Support Settings=Yes       |         |
|                        | Point Load A=0.000             |         |
|                        | Point Load B=0.000             |         |

Seams

Damper:

## Pattern: 1250

Rectangular/Standard/Equipment



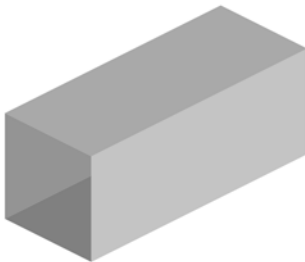
| Dims               | Options                        | Conn's  |
|--------------------|--------------------------------|---------|
| A=Width            | Profile=Rectangular            | C1=None |
| B=Depth            | Bearer Width=2.000             | C2=None |
| C=Top Length       | Bearer Thickness=0.400         | C3=None |
| D=Bearer Extn      | Area of Influence=0.000        |         |
| E=Bottom Extension | A of I: Filled Circle=No       |         |
| F=Length A         | A of I: Circle Thickness=0.100 |         |
| G=Length B         | Straps=Both                    |         |
| H=Supported Width  | Export=All                     |         |
| I=Supported Depth  | Export Rod Size=Yes            |         |
|                    | Use Support Settings=Yes       |         |
|                    | Point Load A=0.000             |         |
|                    | Point Load B=0.000             |         |

Seams

Damper:

Pattern: 1972

Rectangular/Standard



| Dims     |         | Options                          | Conn's  |
|----------|---------|----------------------------------|---------|
| A=Width  | B=Depth | Straight Type=1 Part Straight    | C1=None |
| C=Length |         | Female Allow=Shortest Side       | C2=None |
|          |         | 1xU,1xI=Shortest Side            | C3=None |
|          |         | Connector Fold Notch=Use Default | C4=None |
|          |         | Vee Notch Depth=Auto             | C5=None |
|          |         | Vee Notch Angle=30.000           | C6=None |
|          |         | Connector Fold Notch=Use Default |         |
|          |         | Vee Notch Depth=Auto             |         |
|          |         | Vee Notch Angle=30.000           |         |
|          |         | Beading=No                       |         |
|          |         | Vertical=No                      |         |
|          |         | Adjust=0.000                     |         |
|          |         | Right Offset=6.000               |         |
|          |         | Left Offset=6.000                |         |
|          |         | Insulation UI=Shortest Side      |         |

Seams  
S1=None

Damper:

Pattern: 4522

Rectangular/Equipment



| Dims              |  | Options           | Conn's  |
|-------------------|--|-------------------|---------|
| A=Width           |  | Sex Type=Male     | C1=None |
| B=Depth           |  | Type=Auto         | C2=None |
| C=Length          |  | Open Top/Sides=No |         |
| D=Extension       |  | Pattern=None      |         |
| E=Right Extension |  |                   |         |
| F=Wire X Spacing  |  |                   |         |
| G=Wire Y Spacing  |  |                   |         |

Seams

Damper: