PRODUCT CATALOG
STOCK ITEMS OR CUSTOM FABRICATIONS MADE TO YOUR SPECIFICATIONS

- SHEET METAL SYSTEMS
- PLUMBING & PIPING SYSTEMS
- MODULAR DESIGN & MANUFACTURING

WWW.FABDUCT.COM  763.595.4322  ORDERS@FABDUCT.COM
We have been fabricating sheet metal products for over 50 years and recently expanded our capabilities. As a multifunctional fabrication shop, all of your mechanical prefabrication needs are integrated into one location.

With the equipment, experience, and talent to quickly fulfill any order, many companies look to us as “their shop.” Single projects have ranged from a couple of pieces to thousands.

We are a “yellow label” shop employing members of SMWIA Local 10. In our pipe shop we employ members from Local 539 and 455, and in our plumbing shop we employ members from Local 15 and 34.

SO MUCH MORE THAN YOUR ORDINARY DUCTWORK FABRICATOR!

- We are known for fast, demanding projects that require quick turnaround—last minute and rush jobs are not a problem.
- Quality products made by skilled crafts personnel.
- We are not only skilled fabricators, but have field experience as well. We know and understand the problems you face on a daily basis.

OUR PROMISE TO YOU

We are dedicated to providing the highest quality mechanical fabrication products at a fair and competitive price. We strive to maintain this quality and workmanship on every job.

Our reputation for standing behind our work, meeting tough and demanding schedules, and keeping to budgets has architects, engineers, building owners, developers, and contractors continually selecting FabDuct to perform their fabrication work. We’re committed to delivering these services with an unmatched blend of quality, value, and innovation.
TABLE OF CONTENTS

Spiral Pipe & Fittings.................................................................4
Rectangular Duct & Fittings .......................................................10
Welded - Round & Rectangular ...............................................11
Industrial ................................................................................12
Specialty Items & Architectural ..............................................12
Pipe & Plumbing.....................................................................14

PRODUCTS PROVIDED:

- Spiral pipe and round fittings
- 5’ Coil line duct—S & D, TDF, Ward
- Rectangular fittings, square to rounds
- PVS underground ductwork
- Housings, enclosures, casings
- Wall panels and blank-offs
- Guards, burglar bars, brackets
- Bird screen grills, louver
- Coil stands, drain pans
- Double wall round and rectangular duct and fittings
- Angle rings, hangers
- Curb adapters, sky-blasts
- SS countertops
- Hoods, welded grease duct
- Boxes, containers
- Industrial ducting
- Doors, access panels
- Sleeves, chutes
- Column covers, flashings
- Custom metal cabinets, carts, tables, shelves

MATERIALS USED:

- Stainless Steel
- Galvanized
- Black Iron
- Galvannealed/Paintgrip
- Perforated
- Aluminum
- UNA-Clad

SERVICES:

- Welding
- CAD drawings
- Custom fabrication, proto-types
- Estimating from plans
ADJUSTABLE ELBOWS AND ANGLES
Adjustable elbows and angles are versatile and are most commonly used in a standard spiral duct system.

STANDING SEAM ELBOWS AND ANGLES
Standing seam fittings work well for medium pressure applications and offer an alternative to welded elbows and angles.

<table>
<thead>
<tr>
<th>STANDARD THROATS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” - 18”</td>
</tr>
<tr>
<td>20” - 40”</td>
</tr>
</tbody>
</table>

WELDED GORED ELBOWS AND ANGLES
Standard elbows and angles are fabricated from 18 gauge galvanized material. Other diameters, throat radiuses, and gauges are available.

TWO PIECE PRESSED SOLID WELDED ELBOWS
Pressed elbows and angles are continuously welded with silicon bronze on both the heel and throat. All pressed fittings are manufactured from extra deep drawing steel (EDDS) in accordance with ASTM=A653. Pressed fittings are precision drawn, tolerances, and must be within + or -.002 thickness to assure a quality product at all times. All pressed fittings are made of 24 GA. or 22 GA. Galvanized material with a G60 or better coating thickness is chemically treated to prevent white rust.

* Full sweep standing elbows available upon request.
**90° TEE**
Dimensions to be listed as follows: A, B, inset  
L = “B” + 2”

**CROSS**
Dimensions to be listed as follows: A, B, C, D,  
L = Largest of “B” or “C” + 2”

**BULLNOSE TEE (BULLHEAD)**
Dimensions to be listed as follows: A, B, C

**SQUARE TO ROUND**
Dimensions to be listed as follows: A x B  
Offset Square to Rounds available (drawing required)

A = Width  
B = Depth  
C = Diameter  
L = Overall

**LATERAL**
Dimensions to be listed as follows: A, B  
L = (1,414 x C) + 2”  
Saddle Length = 5” min

**TEE WITH REDUCER**
Dimensions to be listed as follows: A, B, C,  
L = “B” + 4”

**CROSS WITH REDUCER**
Dimensions to be listed as follows: A, B, C, D,  
L = Largest of “B” or “L” + 4”

**PAIR OF PANTS (WYE BRANCH)**
Dimensions to be listed as follows: A, B

**OFFSET**
Dimensions to be listed as follows: A = Dia  
L = Overall length

**LATERAL WITH REDUCER**
Dimensions to be listed as follows: A, B, C  
L = Overall length
SPIRAL PIPE & FITTINGS

LATERAL CROSS
Dimensions to be listed as follows:
A, B, C
L = Overall length

LATERAL CROSS WITH REDUCER
Dimensions to be listed as follows:
A, B, C, D, L, inset

90° SWEDGED SADDLE
(DWITH OR WITHOUT DAMPER)
Dimensions to be listed as follows:
A on B
L = Tap length

45° SWEDGED SADDLE
Dimensions to be listed as follows:
A on B
L = Standard saddle
Lengths 5”

90° CONICAL SWEDGE SADDLE
(DWITH OR WITHOUT DAMPER)
L = Tap length

90° SHOE TAP
A on B L= LOa

CONCENTRIC REDUCER

REGISTER TAKEOFFS
Dimensions to be listed Z as follows:
A, B, on pipe diagram

ECCENTRIC REDUCER

END CAP SE OR LE
(Order takeoffs by Register Size Only)
Dimensions to be listed as follows:
A, equal diameter
START COLLARS SELF-SEALING TAKEOFFS
- Start Collar without Damper
- Start Collar with Damper
- Start Conicaco without Damper
- Start Conicaco with Damper


CONNECTOR (SPIRAL, FLEX)
Dimensions to be listed as pipe size.

VOLUME DAMPERS
Light gauge
Heavy duty W/3/8" square rode & quads

* Specify size upon request.  
* Specify size upon request.

HEAVY DUTY VOLUME DAMPERS
Standoff quadrants and end bearings also available. Consult factory for prices.
SQUARE ACCESS DOORS

6x6 - 24x24. Cellular sponge gasket, fixed to the inner plate, keeps the doors free of leaks at pressures tested to 20” w.g. Access doors are also available in stainless steel (304 or 316), aluminum, and PVC coated. 16 gauge black iron doors are recommended for grease duct systems (available upon request).

FULL BLAST GATES

Sizes: 2”, 3”, 4”, 5”, 6”, 7”, 8”, 10”, 12”, 14”, 16”, 18”, 20”, 22”, 24”

Material Type: aluminum or stainless

DOUBLE ROD HANGER

18” - 60” diameters, fabricated from 2 7/8” –14 gauge galvanized 7/16” standard bolt hole for 3/8” rod 9/16” bolt hole available on request (rod and hardware not included).

SINGLE ROD HANGERS

4” - 24” diameters, fabricated from 2 7/8” - 14 gauge galvanized 7/16” standard bolt hole 3/8’ rod 9/16” bolt hole available on request (rod and hardware not included).
THERMAFLEX 4.2 INSULATED FLEXIBLE DUCT
Sizes: 4”, 5”, 6”, 7”, 8”, 9”, 10”, 12”, 14”, 16”, 18”, 20”

HEAVY DUTY FLEXIBLE DUCT TIES
25 pieces per package. Sizes: 36”, 48”

COMPANION ANGLE RINGS - PRESSED AND ROLLED

<table>
<thead>
<tr>
<th>ORDER SIZE</th>
<th>ANGLE MILD STEEL</th>
<th>I.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>Pressed</td>
<td>3 ⅛”</td>
</tr>
<tr>
<td>4”</td>
<td>10 ga.</td>
<td>4 ⅛”</td>
</tr>
<tr>
<td>5”</td>
<td></td>
<td>5 ⅛”</td>
</tr>
<tr>
<td>6”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>6 ⅛”</td>
</tr>
<tr>
<td>7”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>7 ⅛”</td>
</tr>
<tr>
<td>8”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>8 ⅛”</td>
</tr>
<tr>
<td>9”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>9 ⅛”</td>
</tr>
<tr>
<td>10”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>10 ⅛”</td>
</tr>
<tr>
<td>11”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>10 ⅛”</td>
</tr>
<tr>
<td>12”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>12 ⅛”</td>
</tr>
<tr>
<td>13”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>13 ⅛”</td>
</tr>
<tr>
<td>14”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>14 ⅛”</td>
</tr>
<tr>
<td>15”</td>
<td>1 ¼ x 1 ¼ x ⅛”</td>
<td>15 ⅛”</td>
</tr>
<tr>
<td>16”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>16 ⅛”</td>
</tr>
<tr>
<td>17”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>17 ⅛”</td>
</tr>
<tr>
<td>18”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>18 ⅛”</td>
</tr>
<tr>
<td>20”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>20 ⅛”</td>
</tr>
<tr>
<td>22”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>22 ⅛”</td>
</tr>
<tr>
<td>24”</td>
<td>1 ½ x 1 ½ x ⅛”</td>
<td>24 ⅛”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ORDER SIZE</th>
<th>ANGLE MILD STEEL</th>
<th>I.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>26”</td>
<td>⅝ x ⅝”</td>
<td>26 ⅛”</td>
</tr>
<tr>
<td>28”</td>
<td>⅝ x ⅝”</td>
<td>4 ⅛”</td>
</tr>
<tr>
<td>30”</td>
<td>⅝ x ⅝”</td>
<td>5 ⅛”</td>
</tr>
<tr>
<td>32”</td>
<td>⅝ x ⅝”</td>
<td>6 ⅛”</td>
</tr>
<tr>
<td>34”</td>
<td>⅝ x ⅝”</td>
<td>7 ⅛”</td>
</tr>
<tr>
<td>36”</td>
<td>⅝ x ⅝”</td>
<td>8 ⅛”</td>
</tr>
<tr>
<td>38”</td>
<td>⅝ x ⅝”</td>
<td>9 ⅛”</td>
</tr>
<tr>
<td>40”</td>
<td>⅝ x ⅝”</td>
<td>10 ⅛”</td>
</tr>
<tr>
<td>42”</td>
<td>⅝ x ⅝”</td>
<td>10 ⅛”</td>
</tr>
<tr>
<td>44”</td>
<td>⅝ x ⅝”</td>
<td>12 ⅛”</td>
</tr>
<tr>
<td>46”</td>
<td>⅝ x ⅝”</td>
<td>13 ⅛”</td>
</tr>
<tr>
<td>48”</td>
<td>⅝ x ⅝”</td>
<td>14 ⅛”</td>
</tr>
<tr>
<td>50”</td>
<td>⅝ x ⅝”</td>
<td>15 ⅛”</td>
</tr>
<tr>
<td>52”</td>
<td>⅝ x ⅝”</td>
<td>16 ⅛”</td>
</tr>
<tr>
<td>54”</td>
<td>⅝ x ⅝”</td>
<td>17 ⅛”</td>
</tr>
<tr>
<td>56”</td>
<td>⅝ x ⅝”</td>
<td>18 ⅛”</td>
</tr>
<tr>
<td>58”</td>
<td>⅝ x ⅝”</td>
<td>20 ⅛”</td>
</tr>
<tr>
<td>60”</td>
<td>⅝ x ⅝”</td>
<td>22 ⅛”</td>
</tr>
</tbody>
</table>

Other sizes available upon request.
RECTANGULAR DUCT & FITTINGS

RECTANGULAR:
- 5’ Coil Line Duct
- Fittings
- Double Wall
- TDF / S&D
- Ward/Ductmate
- Welded
- Housings/Plenums

ROUND:
- Spiral Duct
- Snap Lock Pipe & Hammer Lock Pipe
- Underground Duct
- Fittings
- Double Wall
- Welded
- Flange Connection

SPECIALTY:
- Counter Tops
- Work Tables
- Sinks
- Wall Panels
- Curb Adapters
- Burglar Bars
- Enclosures
- Carts
- Boxes
- VAV Box Prefab
- Pans
- Cabinets
- Gaurds
- Stands

INDUSTRIAL:
- Dust Collection
- Heavy Duty Exhaust
- Welded Grease Duct
- Hoods
- PVS Ductwork
- Oven Ducting
PREVENT GREASE DUCT LEAKAGE BY HAVING US FABRICATE AND TEST YOUR GREASE DUCT

- Testing done in our shop
- Certified grease duct leak testing
- Leak test it and certify our welds
SPECIALTY ITEMS & ARCHITECTURALS

CAPABILITIES:
- Grease Duct Leak Testing - performed in shop
- Fast turn around times - specialty metal fabrication
- Column covers, corner guards, flashing
- Steel
- Welding/on-site welding
- CAD drawings
- Aluminum
- Stainless steel
- Installation
- Polishing/grinding
PIPE & PLUMBING

DELIVERABLE PRODUCTS:
- Tube and Pipe ¼”–72”
- Copper, PVC, Cast Iron
- Carbon Steel
- Stainless Alloys
- Chrome Alloys
- Plumbing Carrier Groups
- Rain Water
- Water Piping – multiple fixture and header main
- Gas Trains
- Hangers/Supports
- Modular Construction Skid

MATERIAL EXPERIENCE:
- Low Temperature and Carbon Steels
- Hastelloy, Inconel, Monel and Titanium
- Aluminum
- Stainless Steel – 304, 316, 321, 347
- Chrome Alloys – P5, P9, P11, P22, P91

CERTIFICATIONS:
- Pipefitter Steamfitters Local Unions 455 and 539
- Plumbers Local Unions 15 and 34
- API
- AWWA
- ASME – “PP” and “U” Stamps
- NBBI – “R” Stamp
- GTAW, GMAW, FCAW, SAW, SMAW
- American Welding Society
- Pipe Fabrication Institute

ACCREDITATIONS:
- ASME “U” Stamp for no fired pressure vessels
- NBBI “R” Stamp for repairs and alterations
- API tanks
- Project installation and assembly
List outside dimensions only. Indicate gauge or pressure class (otherwise 2" WG will be assumed). Material will be galvanized unless otherwise indicated.
**SHIPPING & HANDLING**

**OPTIONS INCLUDE:**
- Direct shipping to your shop
- Shipping with our equipment or a courier
- Will-call available
- Carts available for jobsite usage

7:00 a.m. to 3:00 p.m.
Dock 3 off of Northland Drive

**CONTACT**
7625 Boone Avenue North
Brooklyn Park, MN 55428
763.595.4322
orders@fabduct.com
WWW.FABDUCT.COM