



Today's Date: _____
Bid No.: _____
Bid Date: _____
P.O. No.: _____

Submittal for Round Duct and Fittings

This submittal document supplements Regional Sheetmetal Manufacturing's proposal document and specifies in detail the type and fabrication of all products that Regional Sheetmetal Manufacturing will provide for this project.

Project Name: _____
Address: _____

Consulting Engineer: _____
Address: _____

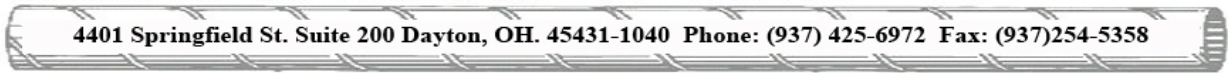
Customer: _____
Address: _____

Office or Representative: Regional Sheetmetal Manufacturing LLC
Address: 4401 Springfield St.
Suite 200
Dayton, Ohio 45431

Signature: _____
Name (printed): _____

APPROVAL

Signature: _____ **Date:** _____
Name (printed): _____
Company (printed): _____





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All ductwork will be manufactured in accordance with the 1995 SMACNA HVAC Duct Construction Standards, Metal and Flexible, unless otherwise stated below.

Pressure Class

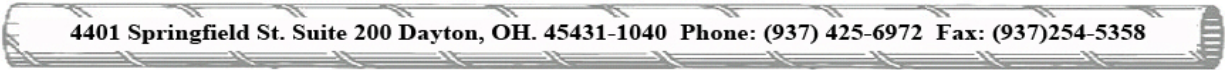
Comments:

- 0 to +2 in. w.g. _____
- +2 to +4 in. w.g. _____
- +4 to +10 in. w.g. _____
- 0 to -2 in. w.g. _____
- 2 to -4 in. w.g. _____
- 4 to -10 in. w.g. _____
- Other _____

Material Selection

Comments:

- G-60 Galvanized Steel
(ASTM A653 and A924) _____
- G-90 Galvanized Steel
(ASTM A653 and A924) _____
- Paintable Galvanized Steel
(ASTM A653 and A924) _____
- SilverGuard, G-60 Galvanized Steel
coated with AgION Antimicrobial _____
- PVC coated galvanized steel
(ASTM A653 and A924) _____
- Stainless Steel - Type 304
(ASTM A167 and A480) _____
- Stainless Steel - Type 316
(ASTM A167 and A480) _____
- SilverGuard, Stainless Steel - Type 304
coated with AgION Antimicrobial _____
- Non-Galvanized Carbon Steel
(ASTM A366, A568 and A569) _____
- Aluminized Steel - Type 1
T1-25 (ASTM A463) _____
- Aluminum - Type 3003-H14
(ASTM B209) _____
- Other _____
(Specify) _____





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Fabrication Configuration

- | | |
|--|--|
| <input type="checkbox"/> Separate duct and fittings (standard) | <input type="checkbox"/> Manual Dampers _____ |
| <input type="checkbox"/> Saddle Taps _____ | <input type="checkbox"/> Motorized Dampers _____ |
| <input type="checkbox"/> Tee's _____ | <input type="checkbox"/> Adjustable Elbows _____ |
| | <input type="checkbox"/> Pressed Elbows _____ |

Comments: _____

Fabrication Grade

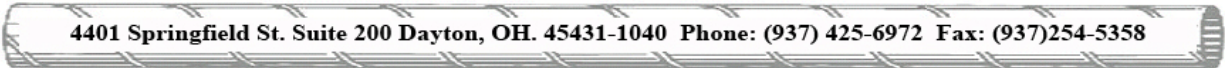
- Standard Grade: **Regional Sheetmetal Manufacturing will use its standard fabricating procedures with no special cleaning. Regional Sheetmetal will use its standard shipping procedures with no special packaging.**
- Superior Grade: **Regional Sheetmetal Manufacturing will use special fabricating procedures, including the cleaning of ductwork and covering the ends to protect the interior of the ductwork. Crating may also be used for the delivery of the ductwork.**

Comments: _____

Product Identification

- Each product will be piece-marked and color-coded for field identification.
- Inside
- Outside (standard)

Comments: _____





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Duct Shell Fabrication

- Single-Wall Single-Wall, Lined Double-Wall

Duct shell will be:

- Spiral lockseam (10 ft. standard lengths)
 Longitudinal seam (4 and 5 ft. standard lengths):
 Fully Welded*
 Butt Seam Lap Seam
 RSEW (Resistance) GMAW (MIG) GTAW (TIG)

Notes: *The outside of fully welded galvanized steel seams will be coated with a protective paint.

Fitting Shell Fabrication

- Single-Wall Single-Wall, Lined Double-Wall

Fitting shell will be

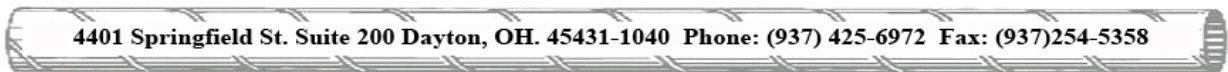
Comments:

- Standing seam and sealed* _____
 Spot or tack welded and sealed* _____
 Riveted and sealed* _____
 Button punched and sealed* _____
 Screwed and sealed* _____
 Fully Welded** _____

 RSEW (Resistance) GMAW (MIG) GTAW (TIG)

Notes: *Sealed means that a UL Classified water-based sealant will be used.
**The outside of fully welded galvanized steel seams will be coated with a protective paint.

Comments: _____





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Duct Metal Inner Liner Fabrication (if double-wall)

Perforated (standard) Solid* Mylar _____

Notes: *Double-wall duct metal inner liners that are specified solid will be fabricated with the standard perforated metal thickness shown below, unless otherwise herein.

<u>Diameter Range</u> (inches)	<input type="checkbox"/> <u>Steel Thickness</u> (gauge)	<u>Fabrication</u>
4 - 14	26	Spiral
16 - 26	24	Spiral
28 - 36	22	Spiral
38 - 50	20	Spiral
52 - 84	18	Spiral

Notes: Metal inner liners are fabricated with G-90 galvanized steel, unless stated otherwise herein or unless the outer shell is aluminum, in which case the metal inner liner must be aluminum as well.

Comments: _____

Fitting Metal Inner Liner Fabrication (if double-wall)

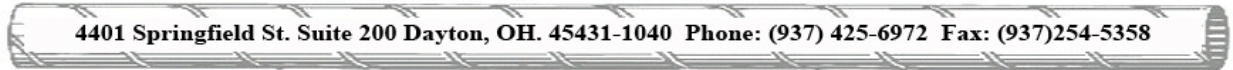
Perforated (standard) Solid* Mylar _____

Notes: *Double-wall duct metal inner liners that are specified solid will be fabricated with the standard perforated metal thickness shown below, unless otherwise herein.

<u>Maximum Width</u> (inches)	<input type="checkbox"/> <u>Steel Thickness</u> (gauge)
4 - 34	Same as Outer
36 - 58	Same as Outer
60 - 88	Same as Outer

Notes: Metal inner liners are fabricated with G-90 galvanized steel, unless stated otherwise herein or unless the outer shell is aluminum, in which case the metal inner liner must be aluminum as well.

Comments: _____





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Insulation Type

Double-Wall: Comments:
 Uncoated fiberglass - flexible (standard)* _____
 Other: _____

Notes: *The flexible fiberglass used for double-wall construction has a maximum thermal conductivity (k) factor of 0.2 BTU/hr/ft²/°F - in. at 75°F mean ambient temperature.

Single-Wall, Lined Comments:
 Knauf coated fiberglass - flexible* _____
 Other: _____

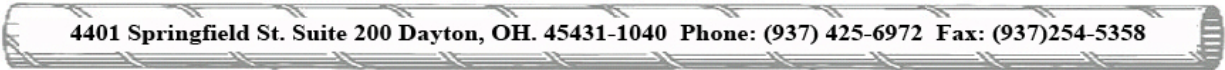
Notes: *For duct shells of 8 through 16 in. diameter the coated insulation is preformed and rigid. The acrylic coated insulation used for single-wall lined ductwork has a maximum thermal conductivity (k) factor of 0.23 BTU/hr/ft in. at 75°F mean ambient temperature.

Notes: All insulation types meet NFPA 90A - 25 flame spread and 50 smoke developed ratings.

Insulation Thickness

Comments:

 1 inch
 1 1/2 inch
 2 inch
 3 inch
 Other: _____





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<u>End Connectors - Type</u>	<u>Diameters:</u>	<u>Material*:</u>	<u>Comments:</u>
<input type="checkbox"/> Slip coupling	_____	_____	_____
<input type="checkbox"/> AccuFlange or equal (Light flange connector)	_____	_____	_____
<input type="checkbox"/> SpiralMate or equal (Light weight, angle ring)	_____	_____	_____
<input type="checkbox"/> Angle Ring (Heavy flange)	_____	_____	_____
<input type="checkbox"/> Other: _____	_____	_____	_____

Notes: *End connector material is as stated above regardless of ductwork material.

End Connectors - Assembly

<input type="checkbox"/> Loose (standard)			
<input type="checkbox"/> Installed	<u>Duct</u>	<u>Fittings</u>	<u>Comments:</u>
Spot or tack welded and sealed	<input type="checkbox"/>	<input type="checkbox"/>	_____
Screwed and sealed	<input type="checkbox"/>	<input type="checkbox"/>	_____
Fully welded	<input type="checkbox"/>	<input type="checkbox"/>	_____

Comments: _____

Reinforcement

- Excluded
 Included (standard)
 Loose Installed

Comments: _____

