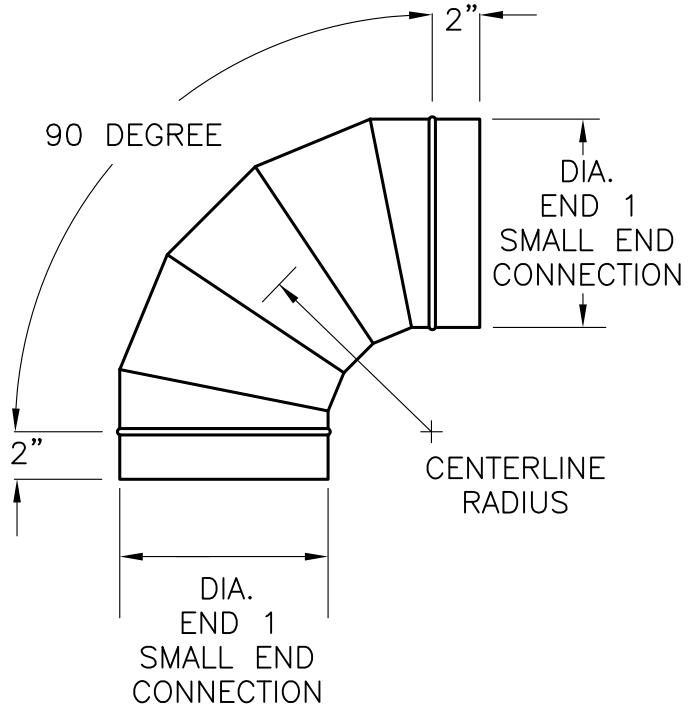


SUBMITTAL SPIRAL FITTINGS

#52 ELBOWS

*SPECIFY
CUSTOM DEGREE
&
CENTERLINE RADIUS



SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

RL-2

GORE LOCK

14" DIA. AND LARGER

CENTERLINE RADIUS
1-1/2 X DIAMETER

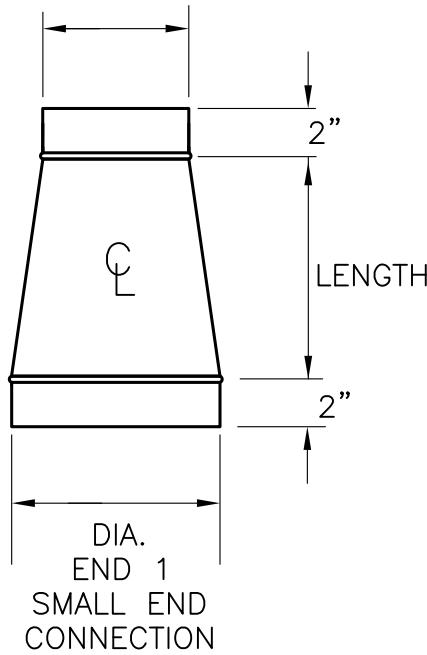
GORE AMOUNT

0-22 DEGREE = 2 GORE
23-45 DEGREE = 3 GORE
46-60 DEGREE = 4 GORE
61-90 DEGREE = 5 GORE

SUBMITTAL SPIRAL FITTINGS

#57 CONCENTRIC REDUCER

DIA.
END 2
SMALL END
CONNECTION



DIA.
END 1
SMALL END
CONNECTION

SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

DIA. END 2

MATERIAL/STATIC WG : _____

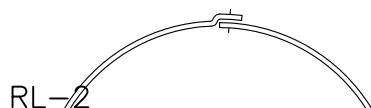
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



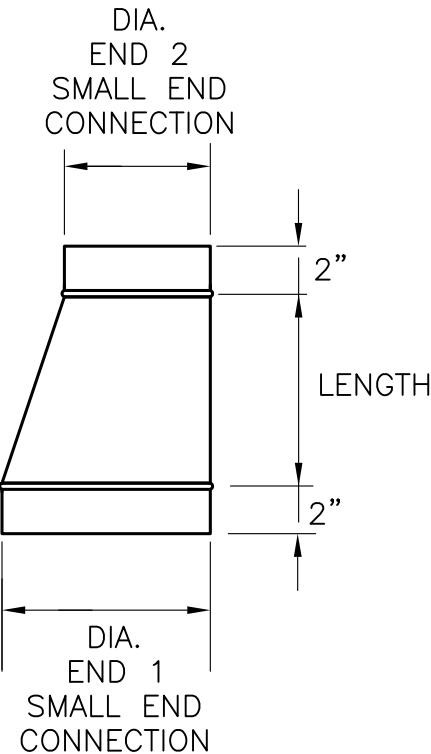
LENGTH (4" MINIMUM)

END 1 - END 2

SUBMITTAL

SPIRAL FITTINGS

#69 ECENTRIC REDUCER



SYSTEM NUMBER/AREA : _____
 MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
 SMACNA DUCT CONSTRUCTION STANDARDS

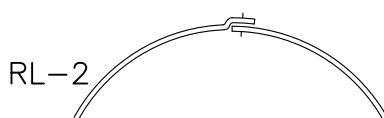
TAG QTY. DIA. END 1 DIA. END 2

TRANSVERSE JOINT _____ _____ _____

SMALL END SLIP CONNECTION _____ _____ _____

LONGITUDINAL SEAMS _____ _____ _____

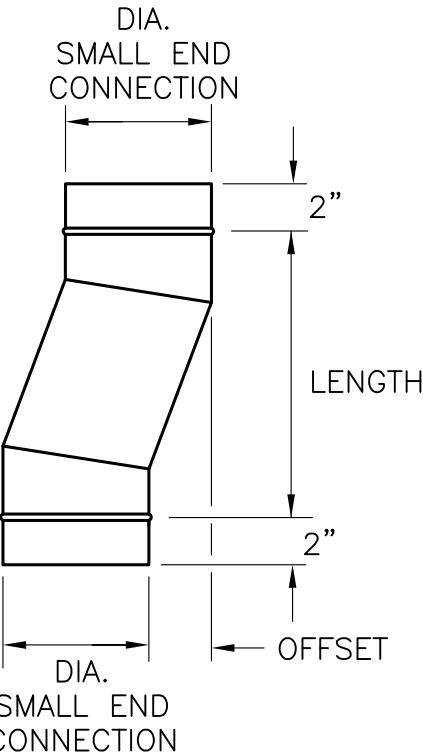
LAP, SPOTWELD AND SEAL _____ _____ _____



LENGTH (4" MINIMUM) _____ _____
 (END 1 - END 2) x 2 _____ _____

SUBMITTAL SPIRAL FITTINGS

#53 OFFSET



SYSTEM NUMBER/AREA : _____

MATERIAL/STATIC WG : _____

TAG

QTY.

DIA.

OFFSET

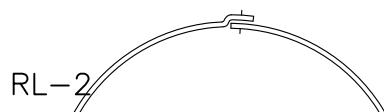
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

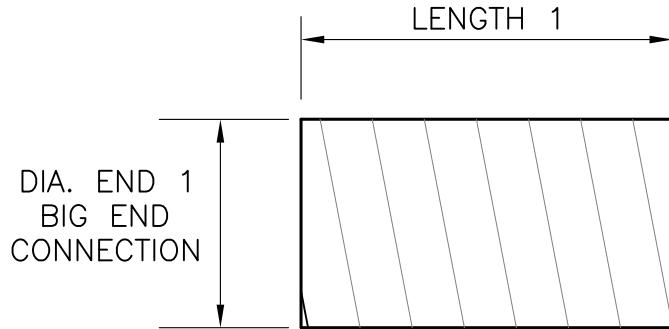
LAP, SPOTWELD AND SEAL



LENGTH (6" MINIMUM)
OFFSET X 2

SUBMITTAL SPIRAL DUCTWORK

#100S SPIRAL DUCTWORK



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

LENGTH 1

MATERIAL/STATIC WG : _____

_____ _____ _____ _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

_____ _____ _____

TRANSVERSE JOINT

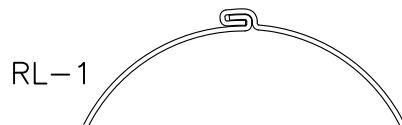
BIG END RAW CONNECTION

_____ _____ _____

LONGITUDINAL SEAM

SPIRAL SEAM

_____ _____ _____



_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

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_____ _____ _____

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_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

_____ _____ _____

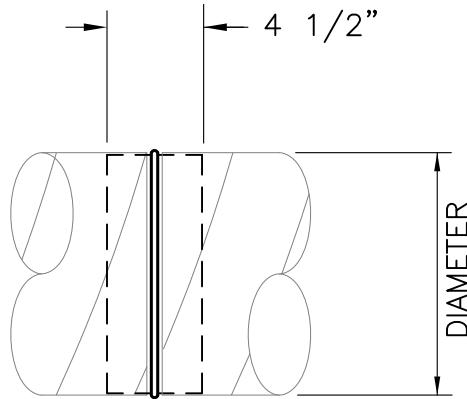
_____ _____ _____

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SUBMITTAL SPIRAL FITTINGS

SPIRAL COUPLING



SYSTEM NUMBER/AREA : _____

QTY. DIAMETER

MATERIAL TYPE : _____

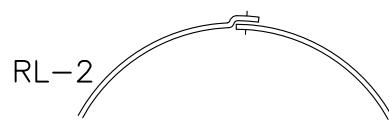
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

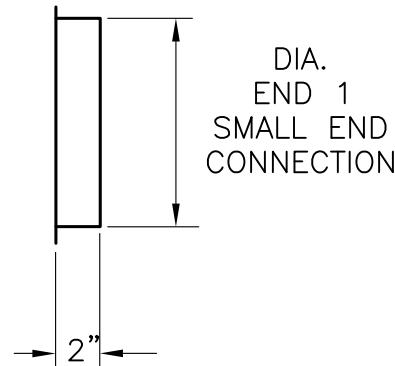
LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



SUBMITTAL SPIRAL FITTINGS

#02 END CAP



SYSTEM NUMBER/AREA : _____

TAG

QTY.

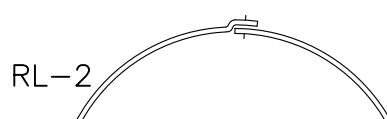
DIA. END 1

MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

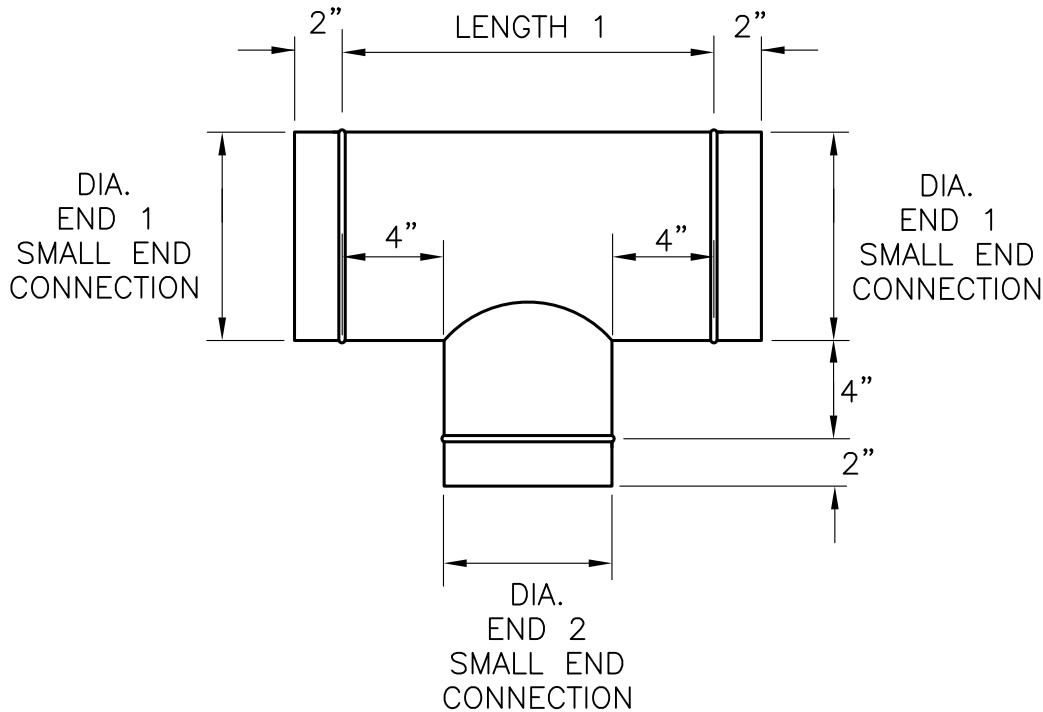
TRANSVERSE JOINT
SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS
LAP, SPOTWELD AND SEAL



SUBMITTAL SPIRAL FITTINGS

#55 STRAIGHT 90 DEGREE TEE



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

DIA. END 2

MATERIAL/STATIC WG : _____

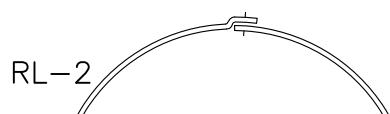
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL

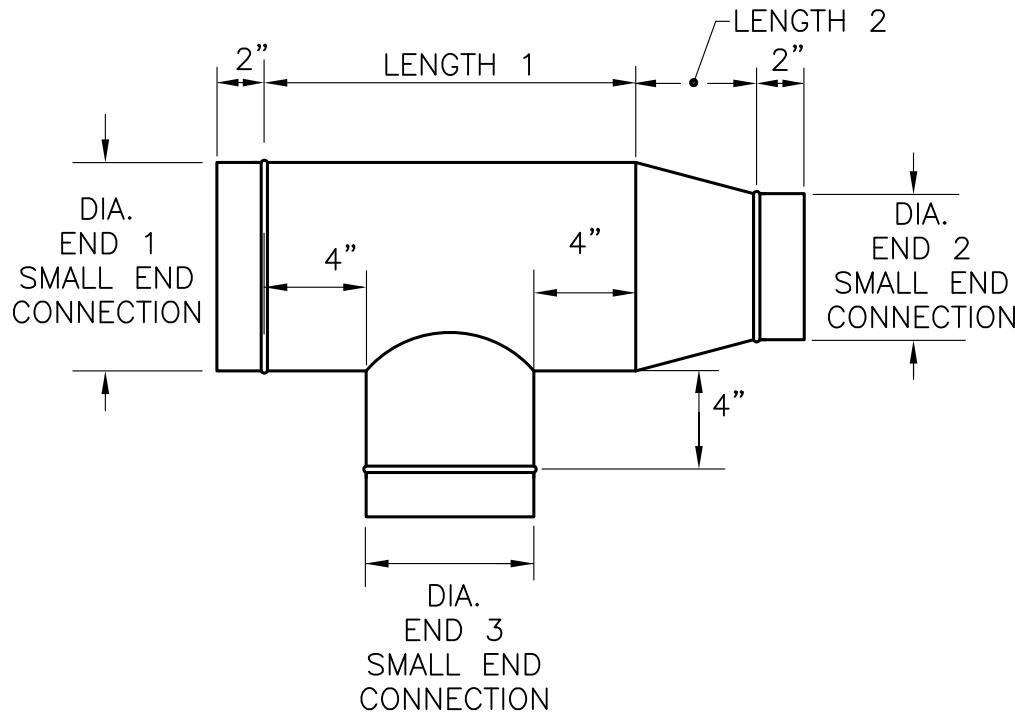


LENGTH 1

END 2 + 8"

SUBMITTAL SPIRAL FITTINGS

#65 CONCENTRIC REDUCING TEE 90 DEGREE



SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

| TAG | QTY. | DIA. END 1 | DIA. END 2 | DIA. END 3 |
|-----|------|---------------|---------------|---------------|
|-----|------|---------------|---------------|---------------|

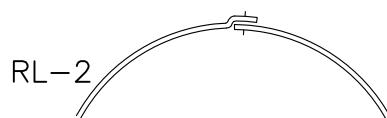
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL

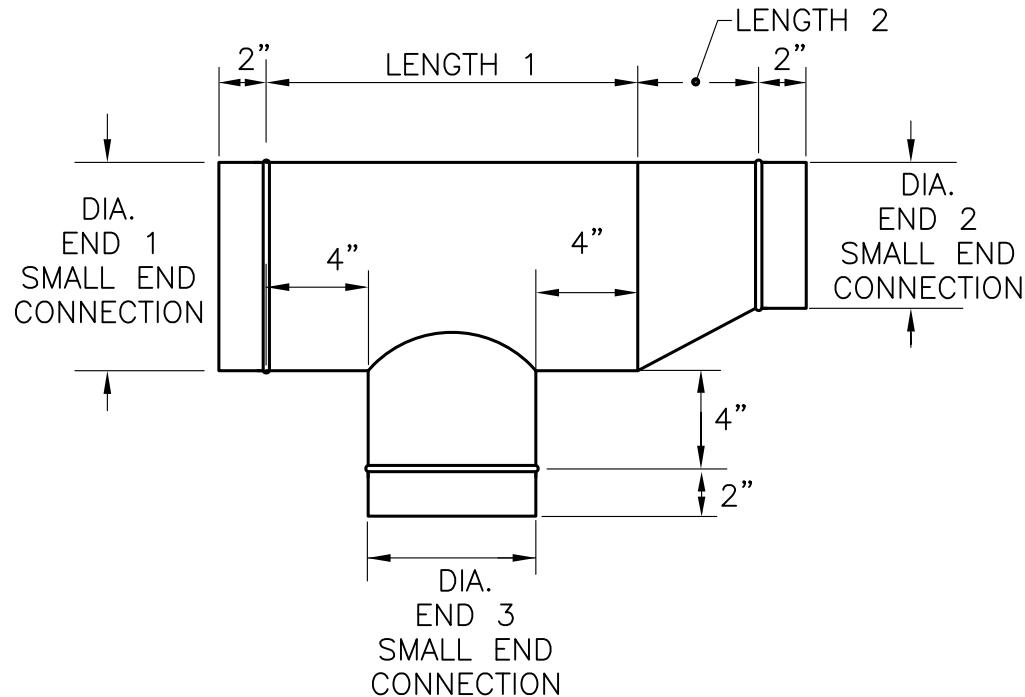


LENGTH 1
END 3 + 8"

LENGTH 2 (4" MINIMUM)
END 1 - END 2

SUBMITTAL SPIRAL FITTINGS

#65F ECCENTRIC REDUCING TEE 90 DEGREE



SYSTEM NUMBER/AREA : _____

SECTION TAG QTY. DIA. END 1 DIA. END 2 DIA. END 3

MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

JAP, SPOTWELL AND SEAL

$R = 2$

LENGTH 1

END 3 + 8"

LENGTH 2 (4" MINIMUM)

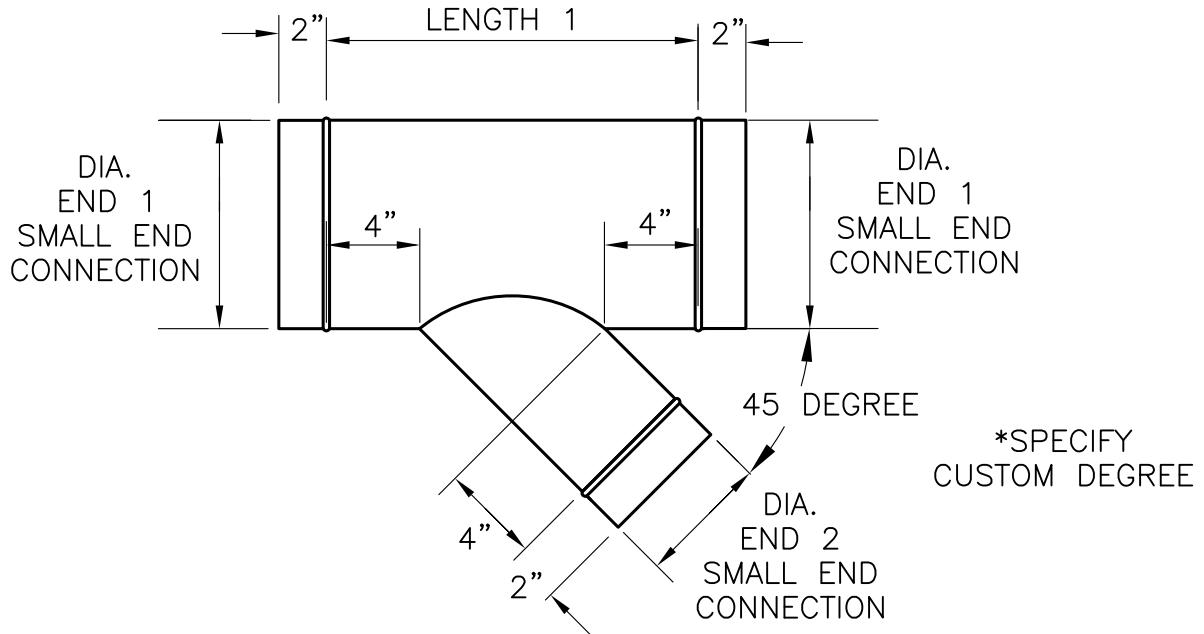
(END 1 - END 2) X 2

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SUBMITTAL

SPIRAL FITTINGS

#54 LATERAL



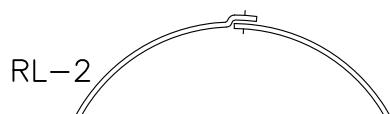
SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

| <u>TAG</u> | <u>QTY.</u> | <u>DIA. END 1</u> | <u>DIA. END 2</u> |
|------------|-------------|-----------------------|-----------------------|
|------------|-------------|-----------------------|-----------------------|

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT
SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS
LAP, SPOTWELD AND SEAL

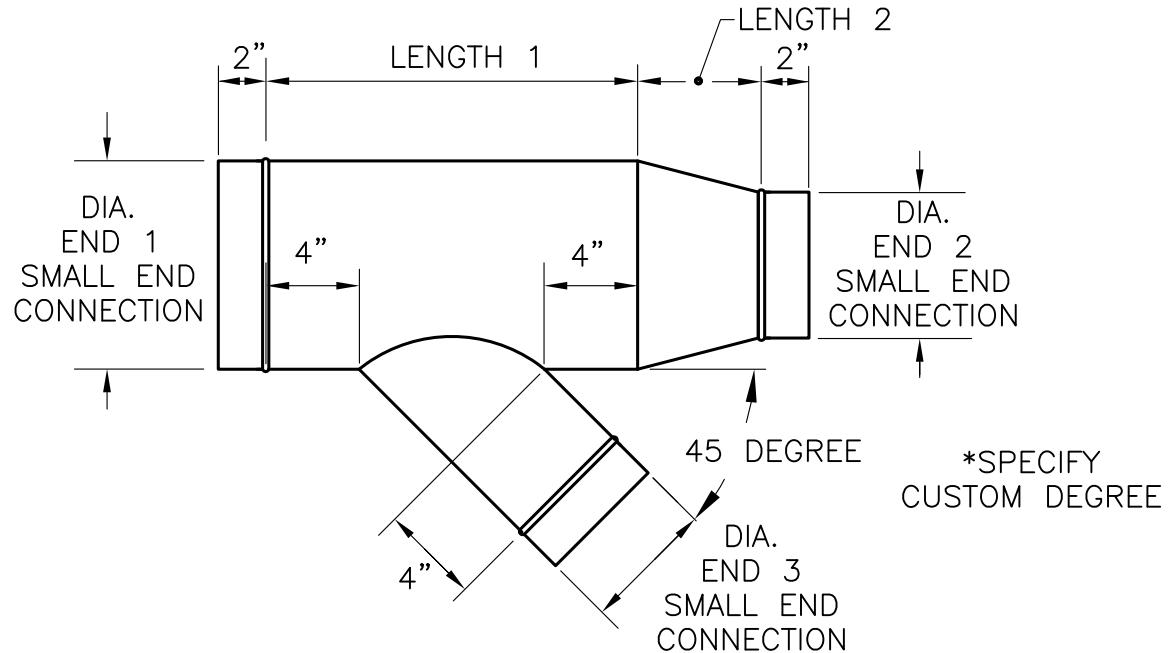


LENGTH 1

30 DEGREE: DIA. END 2 X (2) + 8
45 DEGREE: DIA. END 2 X (1.41) + 8

SUBMITTAL SPIRAL FITTINGS

#63 REDUCING LATERAL

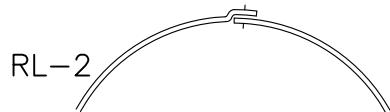


| | | | | | |
|----------------------|------------|-------------|-----------------------|-----------------------|-----------------------|
| SYSTEM NUMBER/AREA : | <u>TAG</u> | <u>QTY.</u> | <u>DIA. END 1</u> | <u>DIA. END 2</u> | <u>DIA. END 3</u> |
| MATERIAL/STATIC WG : | _____ | _____ | _____ | _____ | _____ |

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT _____
SMALL END SLIP CONNECTION _____

LONGITUDINAL SEAMS _____
LAP, SPOTWELD AND SEAL _____



LENGTH 1 _____

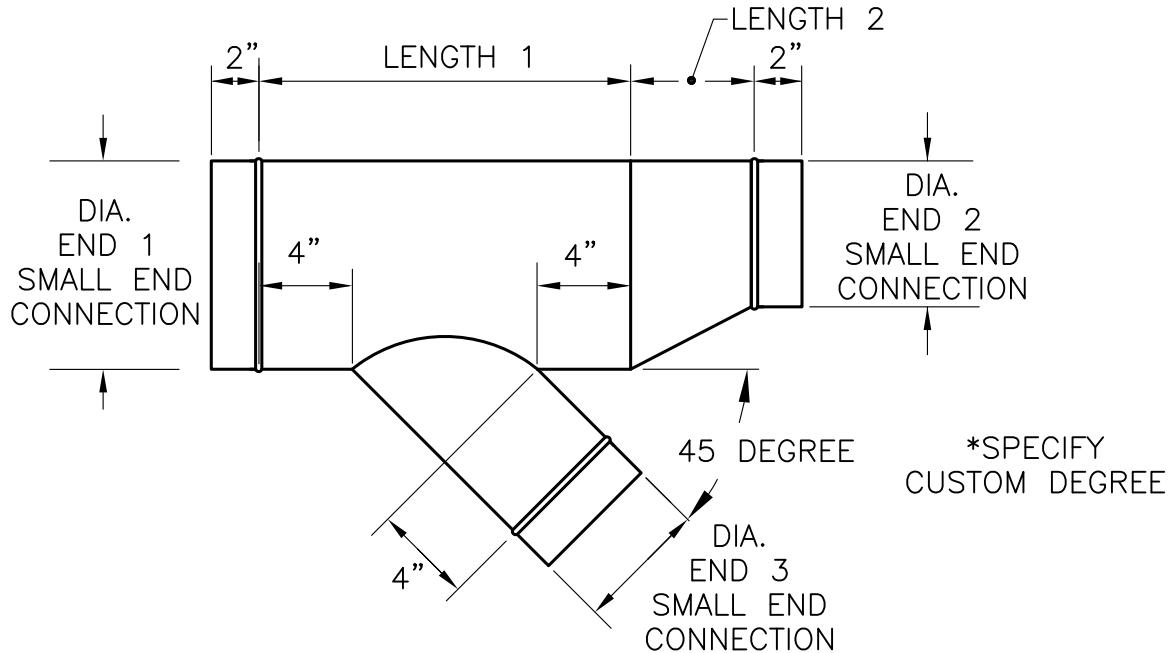
45 DEGREE: DIA. END 3 X (1.41) + 8 _____
30 DEGREE: DIA. END 3 X (2) + 8 _____

LENGTH 2 (4" MINIMUM) _____

END 1 - END 2 _____

SUBMITTAL SPIRAL FITTINGS

#63F ECCENTRIC REDUCING LATERAL



SYSTEM NUMBER/AREA : _____

| TAG | QTY. | DIA. END 1 | DIA. END 2 | DIA. END 3 |
|-----|------|---------------|---------------|---------------|
|-----|------|---------------|---------------|---------------|

MATERIAL/STATIC WG : _____

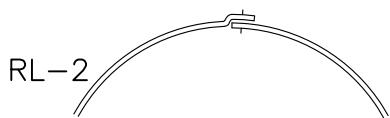
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



45 DEGREE: DIA. END 3 X (1.41) + 8
30 DEGREE: DIA. END 3 X (2) + 8

LENGTH 2 (4" MINIMUM)

(END 1 - END 2) X 2

SUBMITTAL SPIRAL FITTINGS

#73 LATERAL CROSS

SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

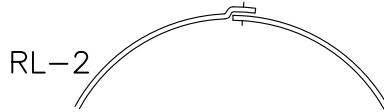
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

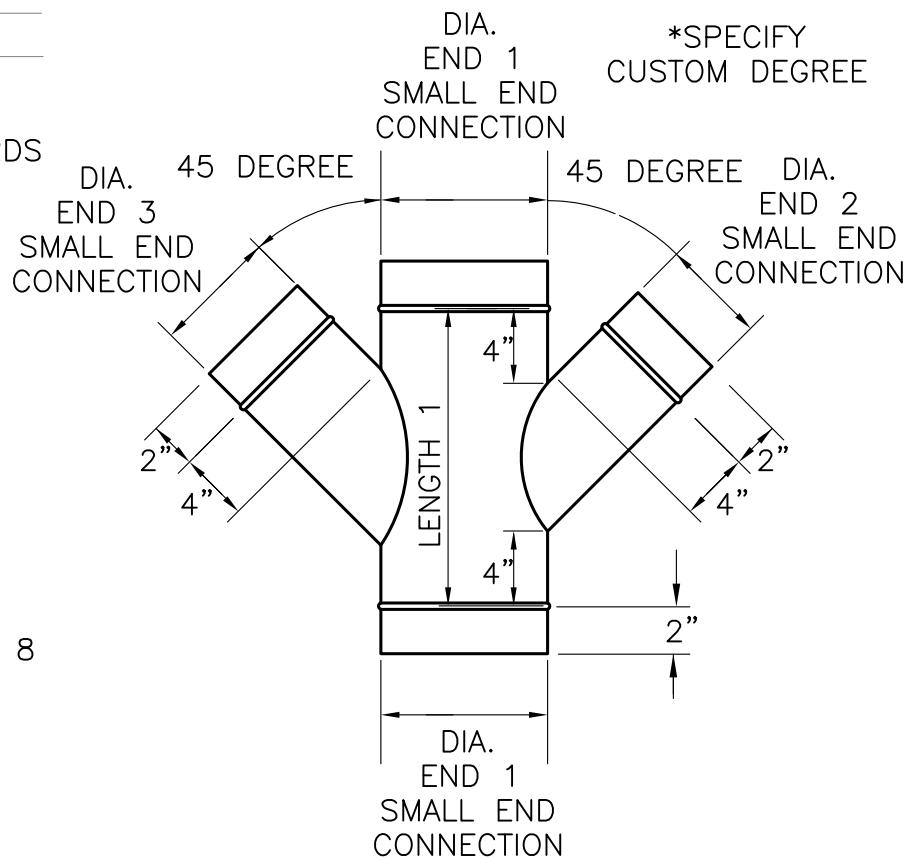
SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



45 DEGREE: DIA. END 3 X (1.41) + 8
30 DEGREE: DIA. END 3 X (2) + 8



SUBMITTAL SPIRAL FITTINGS

#64 REDUCING LATERAL CROSS

SYSTEM NUMBER/AREA : _____

MATERIAL/STATIC WG : _____

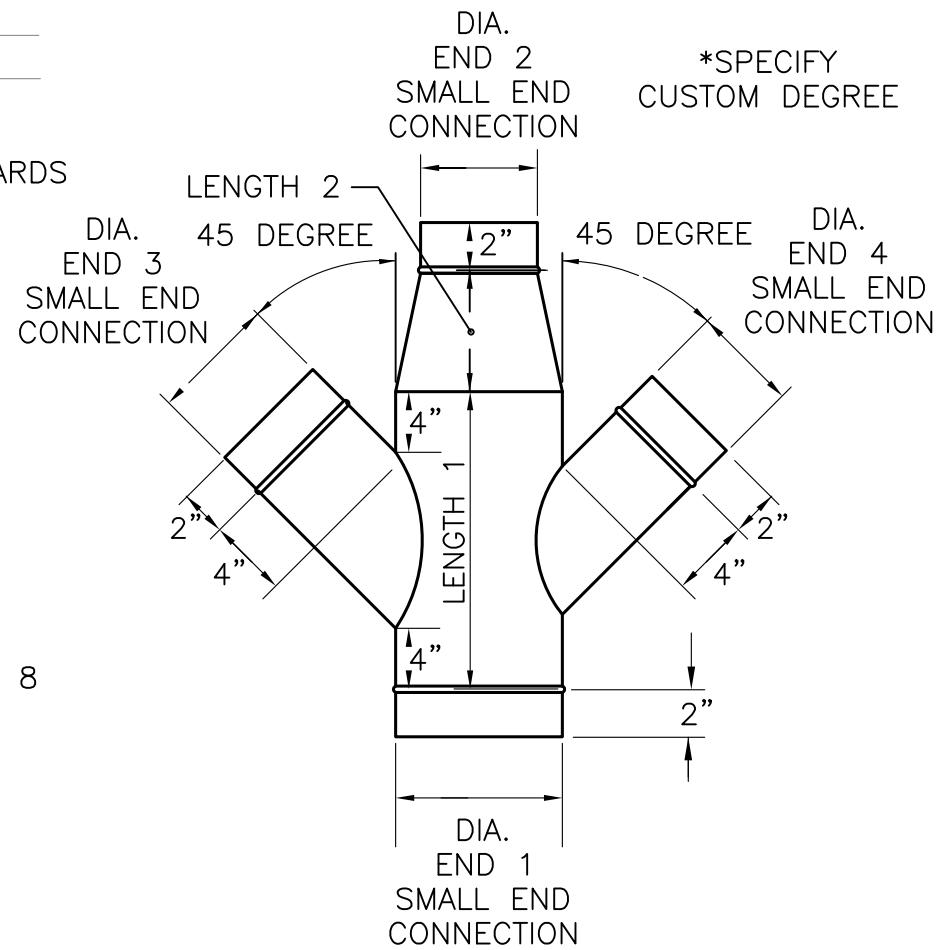
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT
SMALL END SLIP CONNECTION
LONGITUDINAL SEAMS
LAP SPOTWELD AND SEAL

RL-2

LENGTH 1

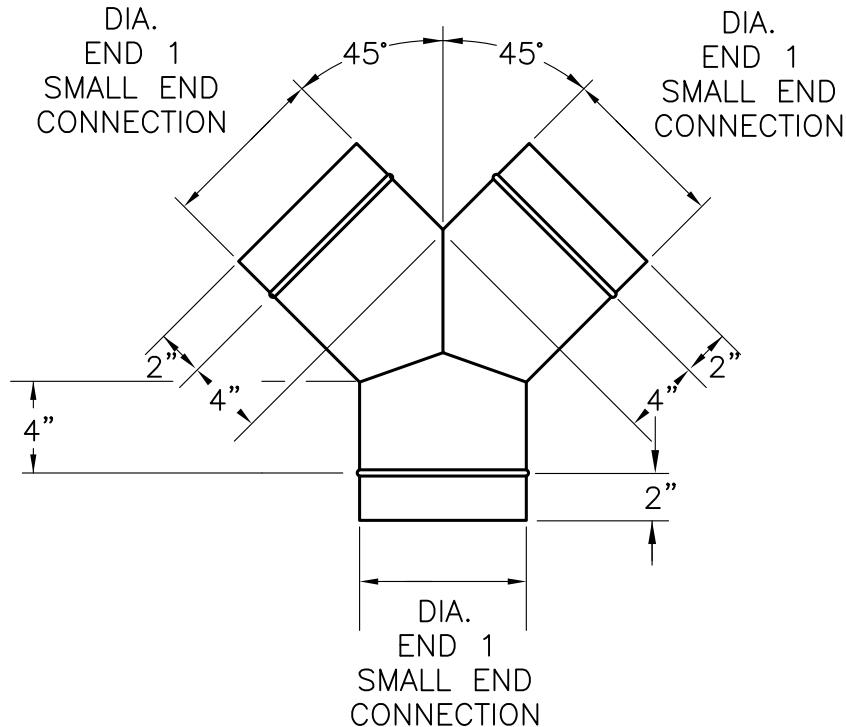
45 DEGREE: DIA. END 3 X (1.41) + 8
30 DEGREE: DIA. END 3 X (2) + 8



SUBMITTAL SPIRAL FITTINGS

#132A 45° Y BRANCH

*SPECIFY CUSTOM DEGREE



SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

TAG QTY. DIA. END 1

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

_____ _____ _____

TRANSVERSE JOINT

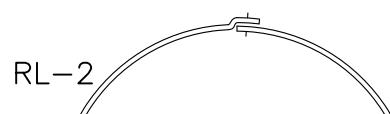
SMALL END SLIP CONNECTION

_____ _____

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL

_____ _____

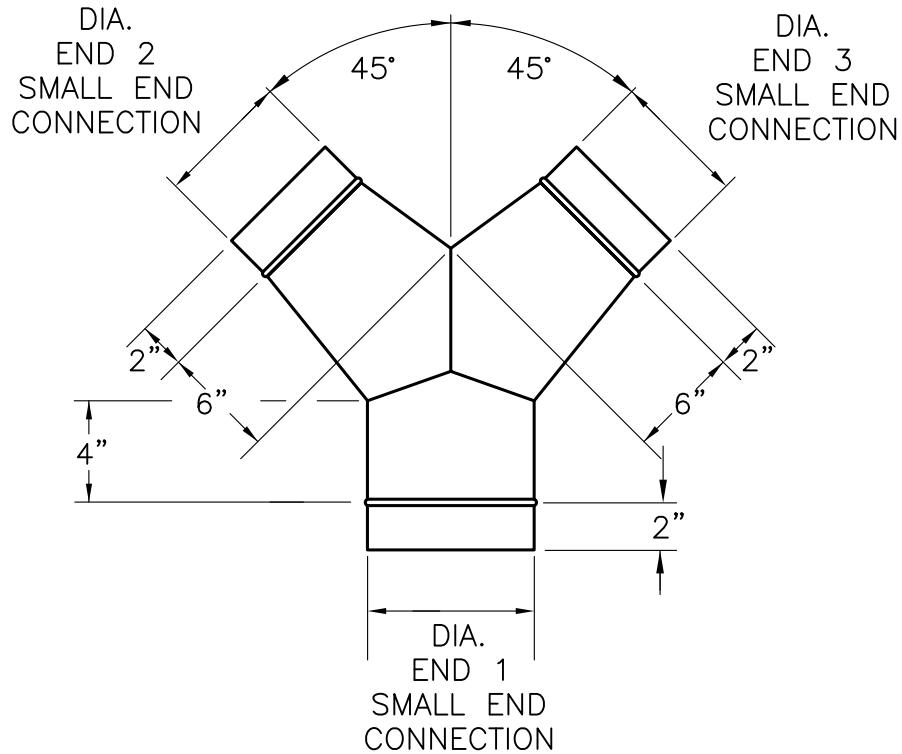


_____ _____

SUBMITTAL SPIRAL FITTINGS

#132 45° Y BRANCH REDUCING

*SPECIFY CUSTOM DEGREE



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA.
END 1

DIA.
END 2

DIA.
END 3

MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

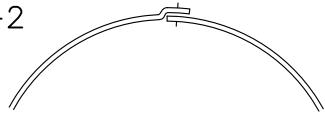
TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

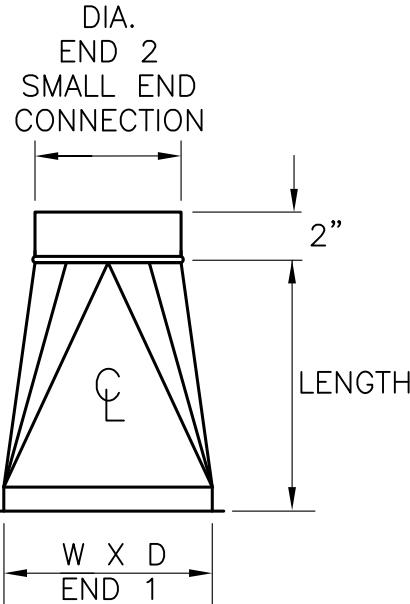
LAP, SPOTWELD AND SEAL

RL-2



SUBMITTAL SPIRAL FITTINGS

#50 CENTER LINE SQUARE TO ROUND

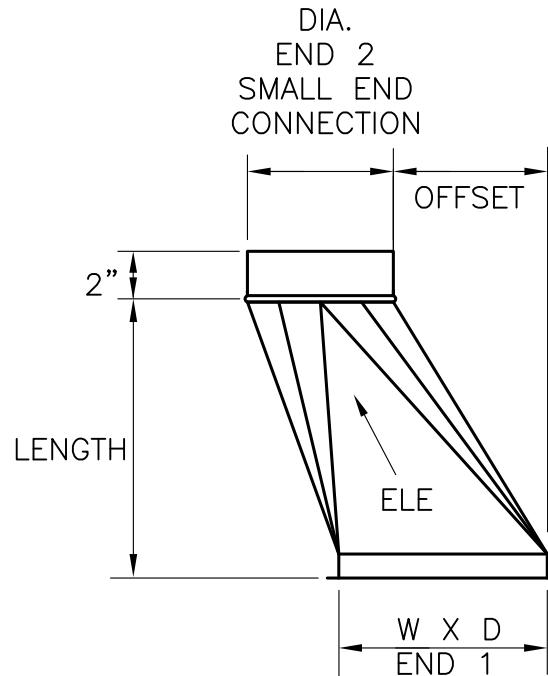


S & D-TDC-FLG-RAW

| | | W X D <u>END 1</u> | CONN. <u>TYPE</u> <u>END 1</u> | DIA. <u>END 2</u> <u>CENTERLINE</u> |
|--|-----|-----------------------|--------------------------------------|---|
| SYSTEM NUMBER/AREA : | TAG | QTY. | <u>CENTERLINE</u> | |
| MATERIAL/STATIC WG : | | | X | |
| FABRICATE IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS | | | X | |
| <u>END 1 TRANSVERSE JOINT</u> | | | X | |
| S & D-TDC-FLG-RAW | | | X | |
| <u>END 2 TRANSVERSE JOINT</u> | | | X | |
| SMALL END SLIP CONNECTION | | | X | |
| <u>LONGITUDINAL SEAMS</u> | | | X | |
| LAP, SPOTWELD AND SEAL | | | X | |
| RL-2 | | | X | |
| <u>LENGTH (6" MINIMUM)</u> | | | X | |
| END 1 (W OR D LARGEST ONE) - END 2 | | | | |

SUBMITTAL SPIRAL FITTINGS

#74 OFFSET SQUARE TO ROUND



S & D-TDC-FLG-RAW

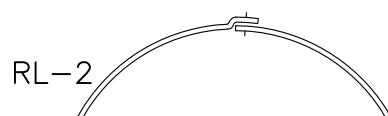
| SYSTEM NUMBER/AREA : | TAG | QTY. | W X D END 1 | CONN. TYPE END 1 | DIA END 2 | OFFSET | ELE. TU/TD |
|----------------------|-----|------|----------------|------------------------|--------------|--------|---------------|
| MATERIAL/STATIC WG : | | | | | | | |

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

END 1 TRANSVERSE JOINT

S & D-TDC-FLG-RAW

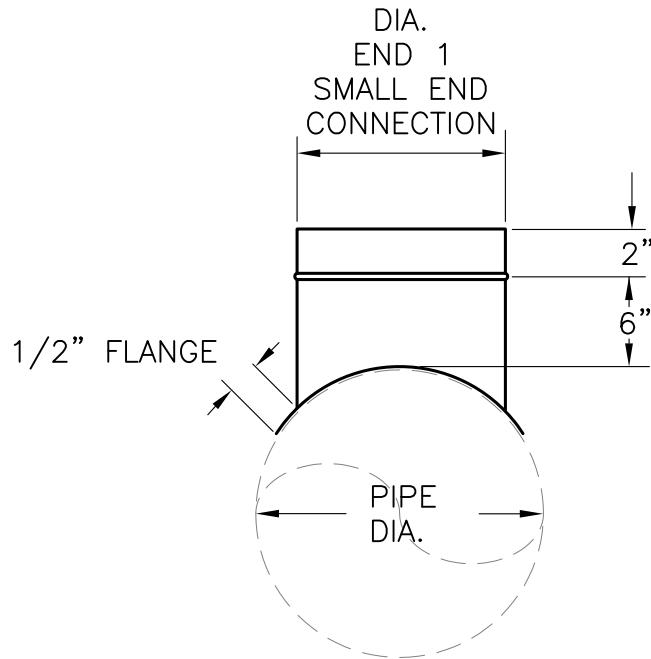
_____ X _____



LENGTH (6" MINIMUM)
OFFSET X 2

SUBMITTAL SPIRAL FITTINGS

#67-90 FIELD MOUNTED STRAIGHT TAP ON ROUND



SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TAG QTY. DIA. END 1 PIPE DIA.

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

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_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

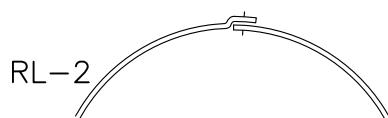
_____ _____ _____ _____

_____ _____ _____ _____

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_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

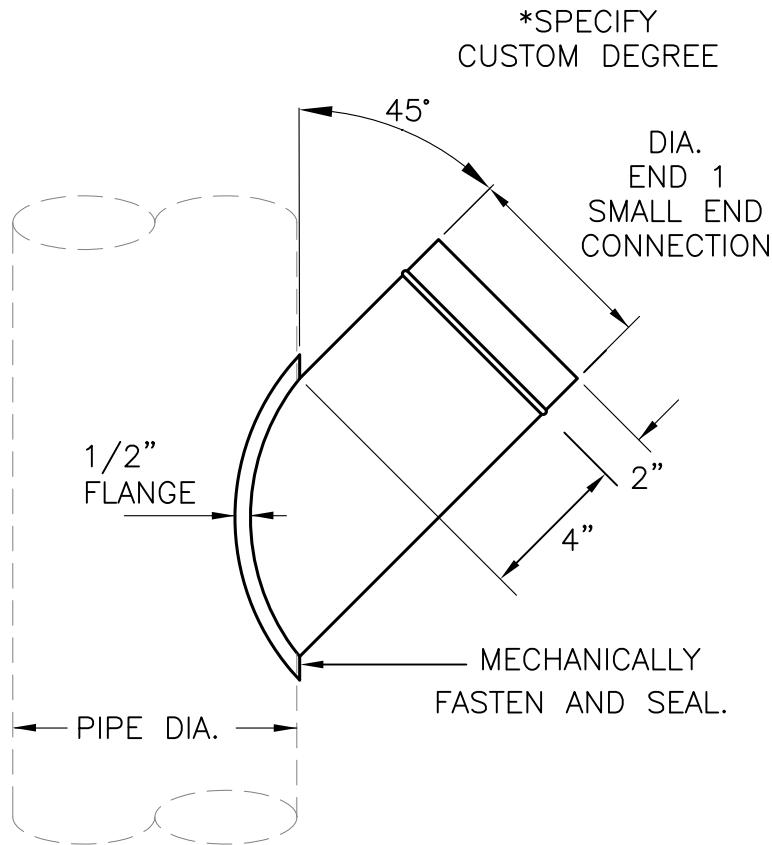
_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

SUBMITTAL SPIRAL FITTINGS

#67 FIELD MOUNTED LATERAL TAP



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

PIPE DIA.

MATERIAL/STATIC WG : _____

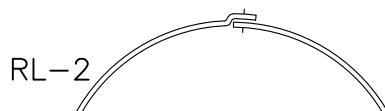
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

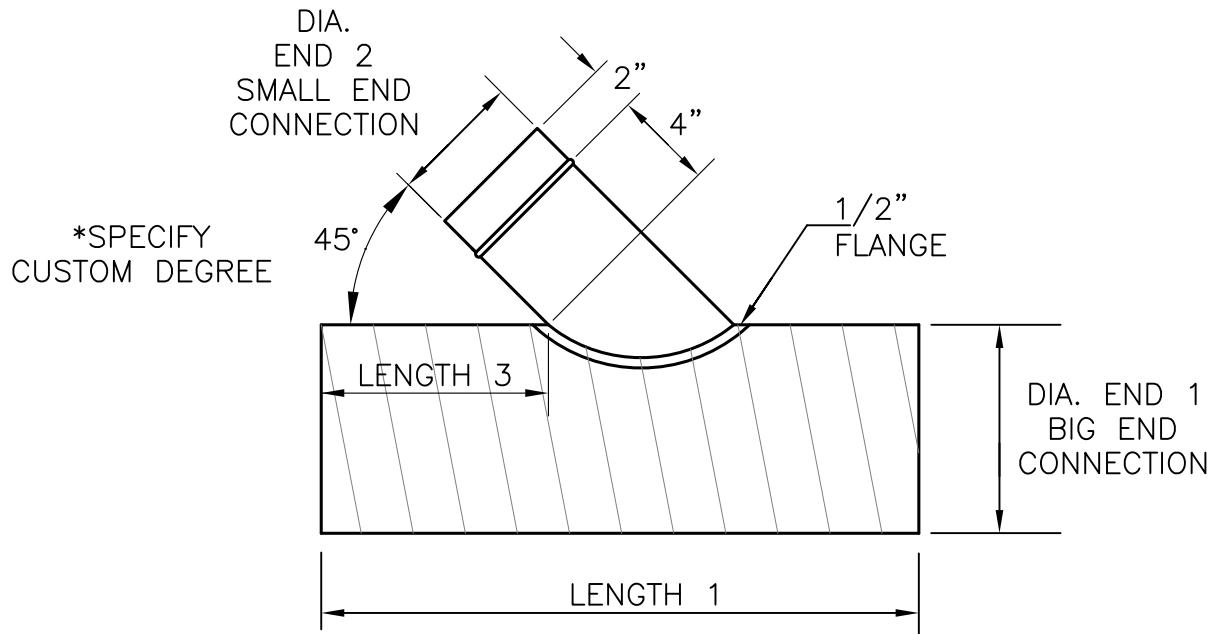
LAP, SPOTWELD AND SEAL



| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

SUBMITTAL SPIRAL FITTINGS

#54S LATERAL SHOP MOUNTED



SYSTEM NUMBER/AREA : _____

| TAG | QTY. | DIA. END 1 | DIA. END 2 | LENGTH 1 | LENGTH 3 |
|-----|------|---------------|---------------|----------|----------|
|-----|------|---------------|---------------|----------|----------|

MATERIAL/STATIC WG : _____

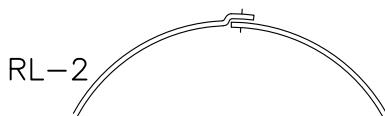
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

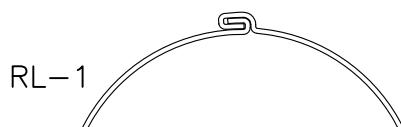
SMALL END SLIP CONNECTION

LATERAL LONGITUDINAL SEAM

LAP, SPOTWELD AND SEAL

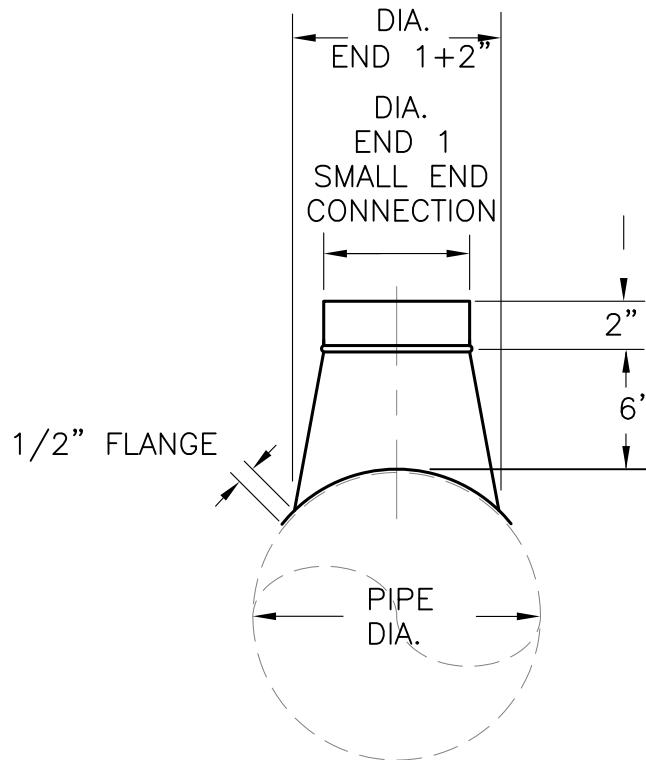


BODY LONGITUDINAL SEAM
SPIRAL SEAM



SUBMITTAL SPIRAL FITTINGS

#56T CONICAL TAP ON ROUND



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

PIPE DIA.

MATERIAL/STATIC WG : _____

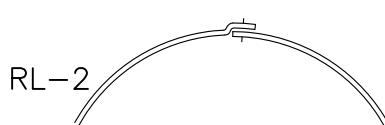
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

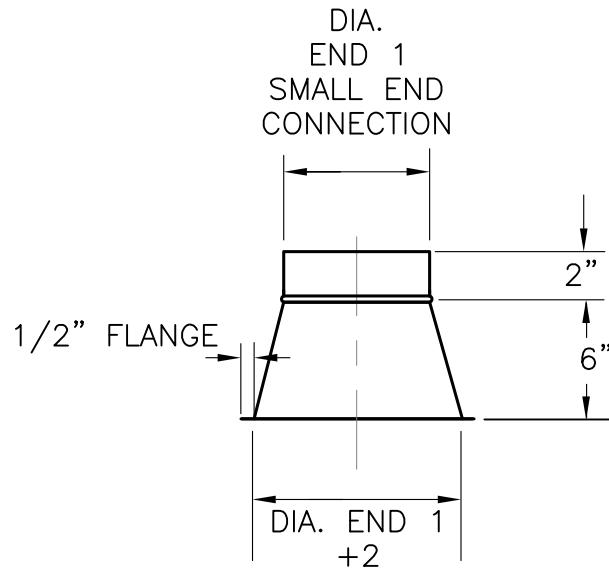
LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



SUBMITTAL SPIRAL FITTINGS

#57T CONICAL TAP ON RECTANGULAR DUCTWORK



SYSTEM NUMBER/AREA : _____

TAG

QTY.

DIA. END 1

MATERIAL/STATIC WG : _____

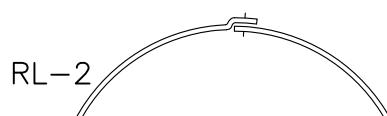
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

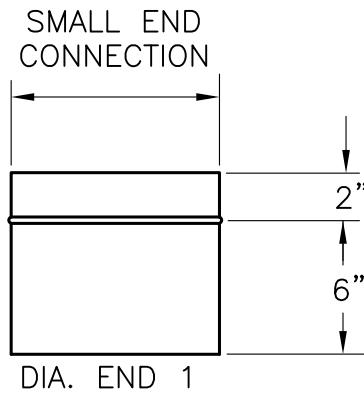
LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL



SUBMITTAL SPIRAL FITTINGS

#100C EQUIPMENT COLLAR-(HOODS, AIR VALVES, ECT.)



SYSTEM NUMBER/AREA : _____
MATERIAL/STATIC WG : _____

TAG QTY. DIA. END 1

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

[View Details](#) [Edit](#) [Delete](#)

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

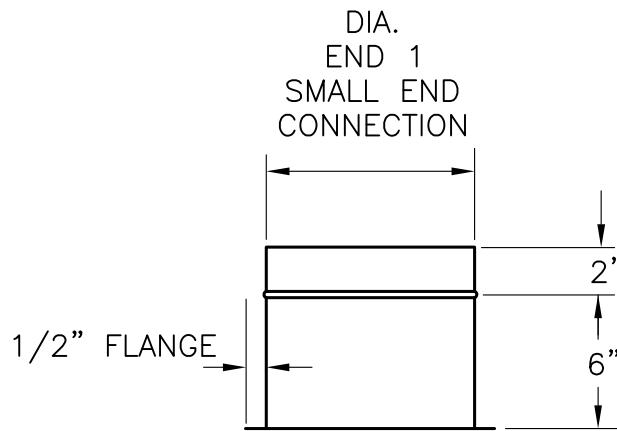
LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL

A diagram showing a semi-circular arc representing a pipe bend. The label "RL-2" is positioned to the left of the pipe's centerline. At the top right corner of the pipe's outer edge, there is a small rectangular feature with two short vertical lines extending from its top edge, likely representing a flange or valve.

SUBMITTAL SPIRAL FITTINGS

#100T FIELD MOUNTED STRAIGHT TAP ON RECTANGULAR



SYSTEM NUMBER/AREA : _____

TAG

QTY.

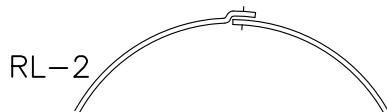
DIA. END 1

MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

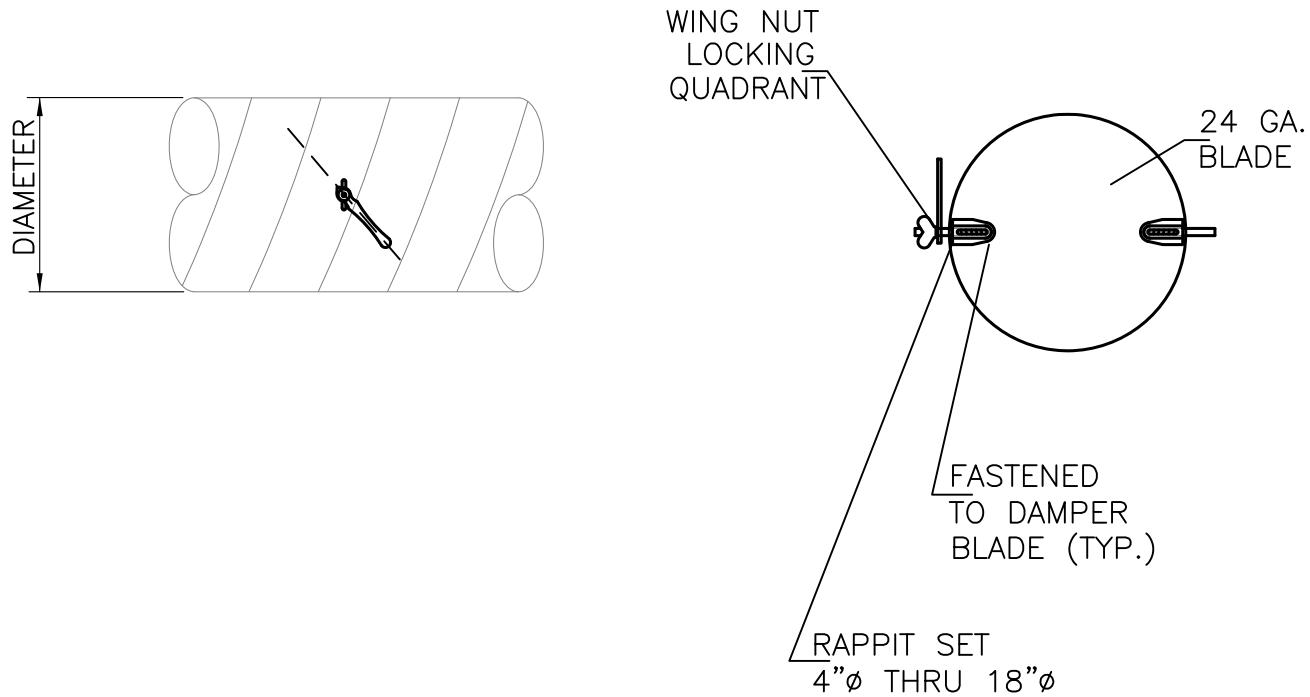
TRANSVERSE JOINT
SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS
LAP, SPOTWELD AND SEAL



SUBMITTAL SPIRAL FITTINGS

MANUAL VOLUME DAMPER 4"Ø TO 18"Ø



SYSTEM NUMBER/AREA : _____

TAG

DIAMETER

MATERIAL/STATIC WG : _____

QTY.

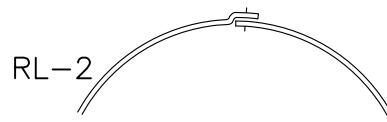
FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT

SMALL END SLIP CONNECTION

LONGITUDINAL SEAMS

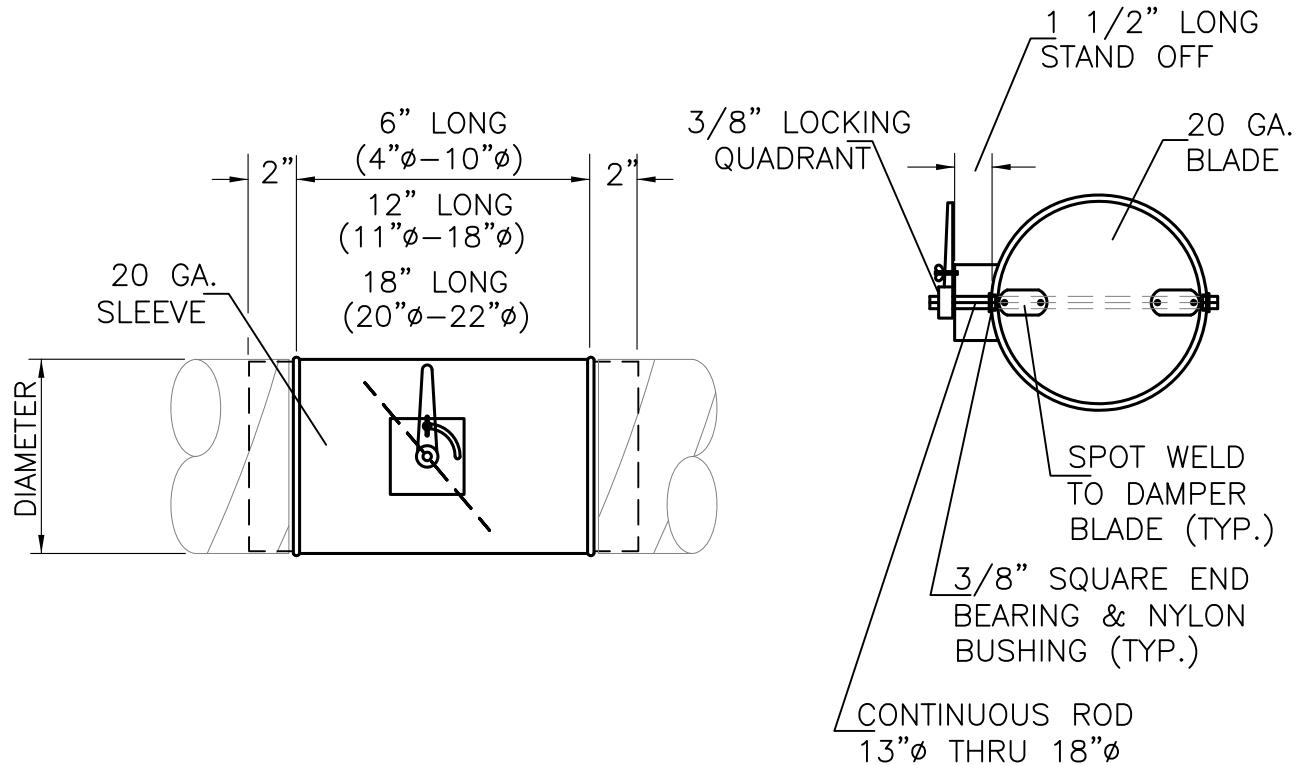
LAP, SPOTWELD AND SEAL



STANDARD SIZES 4"Ø THRU 18"Ø

SUBMITTAL SPIRAL FITTINGS

#100VD MANUAL VOLUME DAMPER 4"Ø TO 18"Ø



SYSTEM NUMBER/AREA : _____

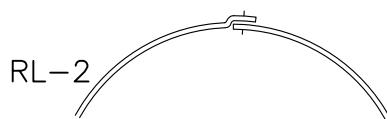
TAG QTY. DIAMETER

MATERIAL/STATIC WG : _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

TRANSVERSE JOINT
SMALL END SLIP CONNECTION

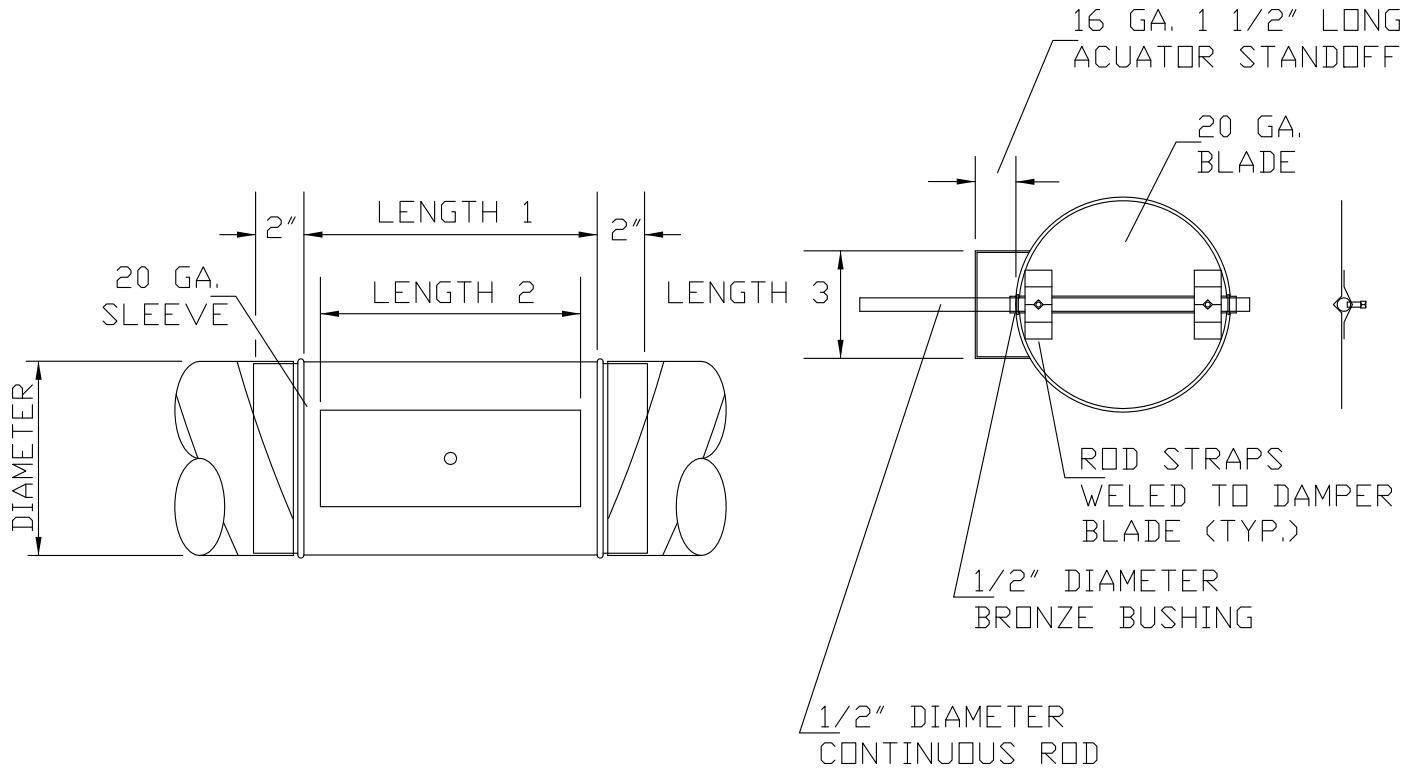
LONGITUDINAL SEAMS
LAP, SPOTWELD AND SEAL



STANDARD SIZES 3"Ø THRU 22"Ø

SUBMITTAL SPIRAL FITTINGS

#100CD VOLUME CONTROL DAMPER 4" ϕ TO 18" ϕ



SYSTEM NUMBER/AREA : _____

TAG QTY. DIA. LN 1. LN 2. LN 3.

MATERIAL/STATIC WG : _____

_____ _____ _____ _____ _____ _____

FABRICATE IN ACCORDANCE WITH
SMACNA DUCT CONSTRUCTION STANDARDS

_____ _____ _____ _____ _____ _____

TRANSVERSE JOINT

_____ _____ _____ _____ _____ _____

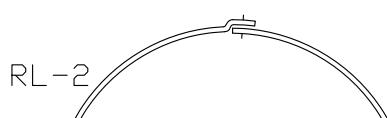
SMALL END SLIP CONNECTION

_____ _____ _____ _____ _____ _____

LONGITUDINAL SEAMS

LAP, SPOTWELD AND SEAL

_____ _____ _____ _____ _____ _____



STANDARD SIZES 3" ϕ THRU 22" ϕ

_____ _____ _____ _____ _____ _____

_____ _____ _____ _____ _____ _____