STANDARD CONSTRUCTION

MINIMUM SIZE
4" dia.

MAXIMUM SIZE
72" dia.

AXLES
Continuous, plated steel axle, angle reinforced as required. See table below for axle dia.

CONTROL SHAFT
Axle extends 6" from frame.

BEARINGS
Grease lubricated ball bearings bolted to frame.

BLADE STOP
1/2" X 1/4" Steel bar on dampers under 17" in dia. 1/2" x 1/2" steel bar on damper 17" in dia. and larger.

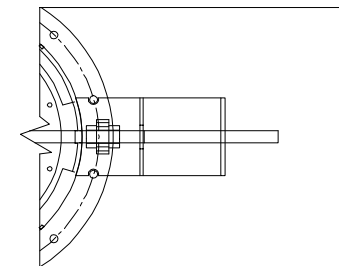**FINISH**
Aluminum paint with some parts mill.
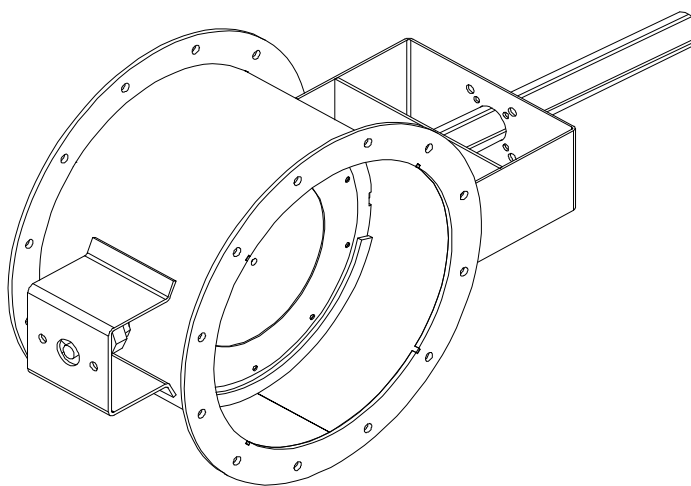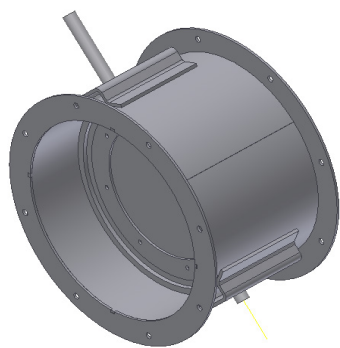
FRAME
Steel channel

BLADES
Steel, stiffened as required.

MAXIMUM TEMPERATURE
250 deg. F is standard

OUT BOARD BEARINGS
W / SHAFT SEALS (OPT)

(Dimensions in brackets ( ) indicate millimeters.

Inside diameter (D)		Blade	Axle	Frame	
Above	Through	Thickness	Diameter	Flange (F)	Web (C)
4" (102)	8 3/4" (222)	1/4" (6)	1/2" (13)	1 1/4" x 10 ga.	6"x 10 ga.
8 3/4" (222)	11 3/4" (299)	1/4" (6)	3/4" (19)	1 1/4" x 10 ga.	9"x 10 ga.
11 3/4" (299)	14" (356)	1/4" (6)	3/4" (19)	1 1/2" x 10 ga.	9"x 10 ga.
14" (356)	24" (610)	1/4" (6)	3/4" (19)	1 1/2" x 1/4"	9"x 10 ga.
24" (610)	32" (813)	1/4" (6)	3/4" (19)	2"x1/4"	9" x1/4"
32" (813)	44"(1118)	1/4" (6)	1" (25)	2"x1/4"	9" x1/4"
44" (1118)	48" (1219)	1/4" (6)	1 1/2" (38)	2"x1/4"	9" x1/2"
48" (1219)	52" (1321)	1/4" (6)	1 1/2" (38)	2 1/2" x 5/16"	9" x1/4"
52" (1321)	72" (1829)	3 / 8" (101)	2" (51)	2 1/2" x 5/16"	9" x1/4"
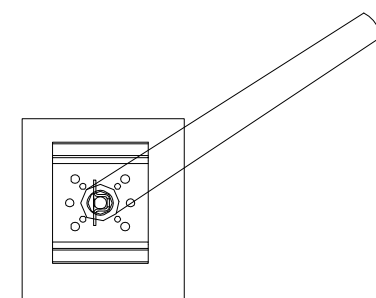
HAND QUADRANT

FRAME		BLADES		SEALS	
Steel channel		Steel stiffened as required		Silicone 400 deg F (204 deg C) Blade seal	
304 Stainless steel (OPT)		304 Stainless steel (OPT)		Axle shaft seal	

BEARINGS		AXLE		ACCESSORIES (OPT)	
Relubricable ball bearing bolted to frame		Plated continous 6" extension beyond frame		Bolt holes in 1 flange	
Relubricable ball bearing mounted outboard of frame W/ shaft seals (OPT)		304 Stainless steel (OPT)		Bolt holes in both flanges	
				Manual actuator no.	
				Manual actuator cl..	
				Electric actuator	
				Pneumatic actuator	

◄ 6" ►

OPTIONAL BOLT HOLES AS SHOWN
S=HOLES STRADDLE AXLE (SHOWN)
M=DIAMETER OF HOLES
H= NUMBER OF HOLES (EVEN NUMBER ONLY)
T= HOLES PARALLEL WITH AXLE O (NOT SHOWN)

Project:
Location:
Architect
Engineer:

Contractor:
Address:
P.O. Number:
Date: