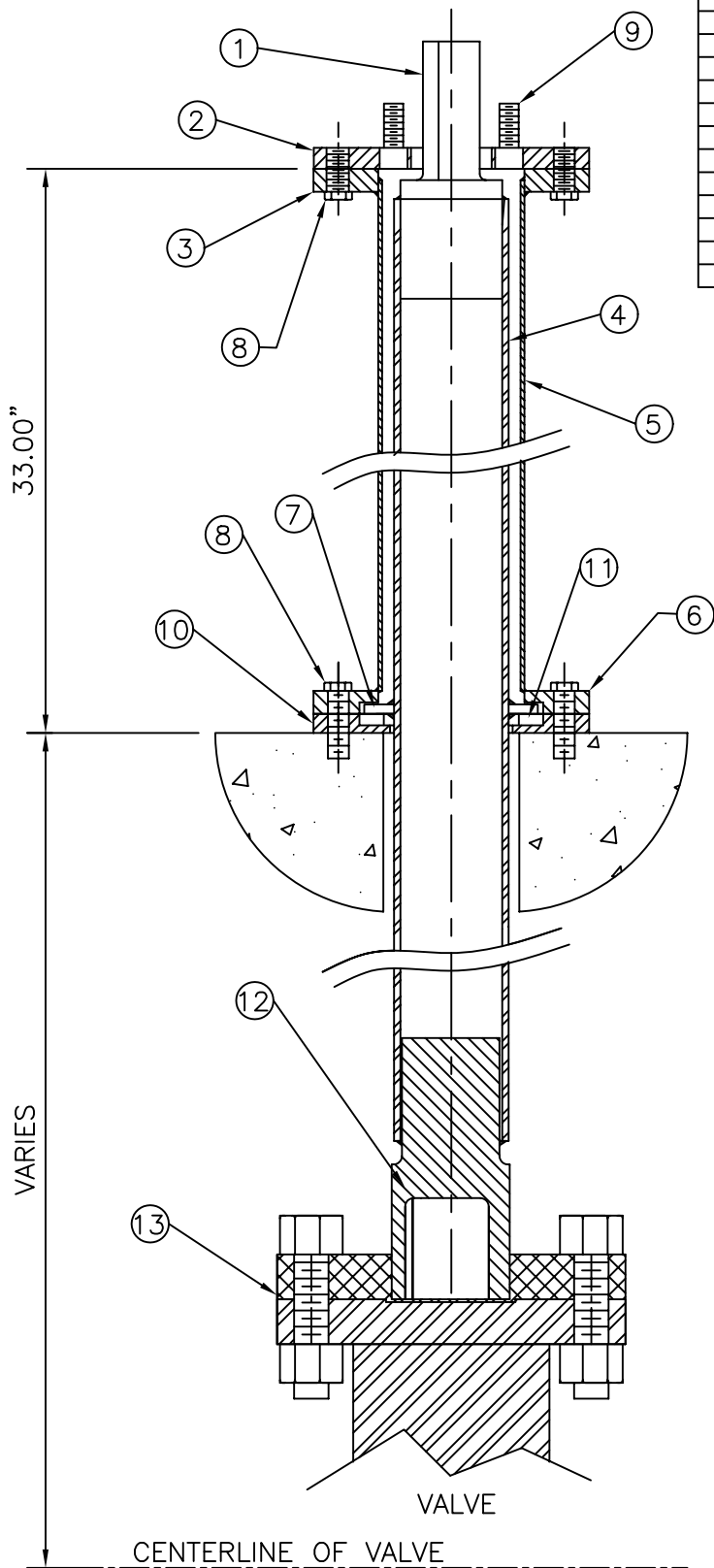


No.	PART NAME	QTY	MATERIAL
1	MALE HUB	1	316 STAINLESS STEEL
2	ACTUATOR ADAPTER PLATE	1	316 STAINLESS STEEL
3	TOP FLANGE	1	316 STAINLESS STEEL
4	SHAFT EXTENSION	1	STAINLESS STEEL SCH 40 PIPE
5	PEDESTAL	1	316 STAINLESS STEEL SCH 40 PIPE
6	BOTTOM FLANGE	1	316 STAINLESS STEEL
7	SUPPORT COLLAR	1	316 STAINLESS STEEL
8	5/8" UNC HEX HEAD CAP SCREW	8	316 STAINLESS STEEL
9	5/8" SOCKET HEAD CAP SCREW	4	316 STAINLESS STEEL
10	PEDESTAL PLATE	1	316 STAINLESS STEEL
11	THRUST BEARING	1	BRASS
12	FEMALE HUB	1	316 STAINLESS STEEL
13	PACKING RETAINING PLATE	1	316 STAINLESS STEEL



ALL KEYWAYS ARE IN LINE WITH VALVE SHAFT

6			DRAWN BY DJD
5			DATE 03/10/03
4			CHECKED BY Bruce James
3			DATE -
2	CONVERTED TO 8.5 X 11	MAR 10/03	APPROVED BY Bruce James
1			DATE -
RFP			
No.	ERN	DATE	
REVISIONS			

TOLERANCES (Except as Noted)
DECIMAL ±.005
FRACTIONAL ±.015
ANGULAR ±1/2°
FINISH 125 AARH
FILLETS & RADII .031
BREAK SHARP EDGES

## STEALTH INTERNATIONAL INC.

www.stealthvalve.com

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### PEDESTAL & SHAFT EXTENSION GENERAL ARRANGEMENT - LESS THAN 20 FEET LONG WITH SEALED HUB -

MATERIAL: 316 STAINLESS STEEL	DO NOT SCALE	DRAWING No.
PO# - SO# -	SCALE:	SVD02003
		REV 1

# Stealth Pedestals & Shaft Extensions – Specifications

The pedestal shall support all shaft extensions. All shaft extensions shall be designed for removal from the valve shaft while under non-flowing pressure. Packing retaining plates shall be incorporated in all designs. Inner tubes shall be manufactured in a steady rest and machined finished and faced. Designs causing stagnant water are unacceptable. Torsional deflection calculations shall be submitted with all bids. All welds shall be continuous and full penetration. All torque tubes shall incorporate a permanent stainless steel tag with the maximum allowable torque to be applied to the assembly. Single keyways in the upper and lower hubs only.

## Inner Torque Tubes:

All inner torque tubes shall be designed for a maximum allowable torsional deflection of 0.50 degrees over the total required length. Both male and female hubs shall be 316 stainless steel, machined on the O.D., and inserted into the inner pipe a minimum of 75 M.M. (3 inches). All hubs shall be shouldered and fitted to the pipe prior to welding. The male hub shoulder O.D. shall be recessed below the outer tube-mounting flange. The female hub length shall be equivalent to the valve shaft height in all cases. The Female hub shall be bored through and double keyed at 90 degrees and engage the entire length of the valve shaft. Blind or capped hubs are not acceptable. When acceptable, all inner torque tubes requiring HDG shall be drilled to prevent explosion. All inner torque tubes requiring HDG shall be tapped and plugged with stainless steel plugs prior to assembly. Shaft extensions shall be 316 stainless steel unless otherwise noted. Stainless steel extensions do not require plugs. HDG shaft extensions when specified shall incorporate sealing plugs. All length's exceeding 6.5 meters shall be coupled using flanges at each length and bolted as an assembly in the field. The internal drive between the connection shall be single key male and female hubs. The flange connection will not serve as the positive drive.

## Shaft extension Pedestals:

All pedestals shall be designed to withstand the maximum output torque of the actuator with a maximum torsional deflection of .5 degrees with 450 lbs./ft. of torque on the input shaft of the actuator. All pedestals shall be indicating with vertical or horizontal indicators. Pedestals shall be carbon steel nylon coated in accordance with NSF 61 inside and out or 316 stainless steel. Pedestal bases shall be square and designed for a minimum of 4 mounting bolts. Mounting plate bolts shall be designed for one bolt to accommodate the total shear force based on the total torsional deflection at maximum output torque of the actuator. All extensions and pedestal assemblies shall be manufactured by Stealth International Inc.



**STEALTH INTERNATIONAL INC.**

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sales@stealthvalve.com

www.stealthvalve.com

Project Name :

Customer :

P.O.#:

S.O.#:

Approved  
By:

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Date Released  
to Production

Dwg #: **SVD02003**