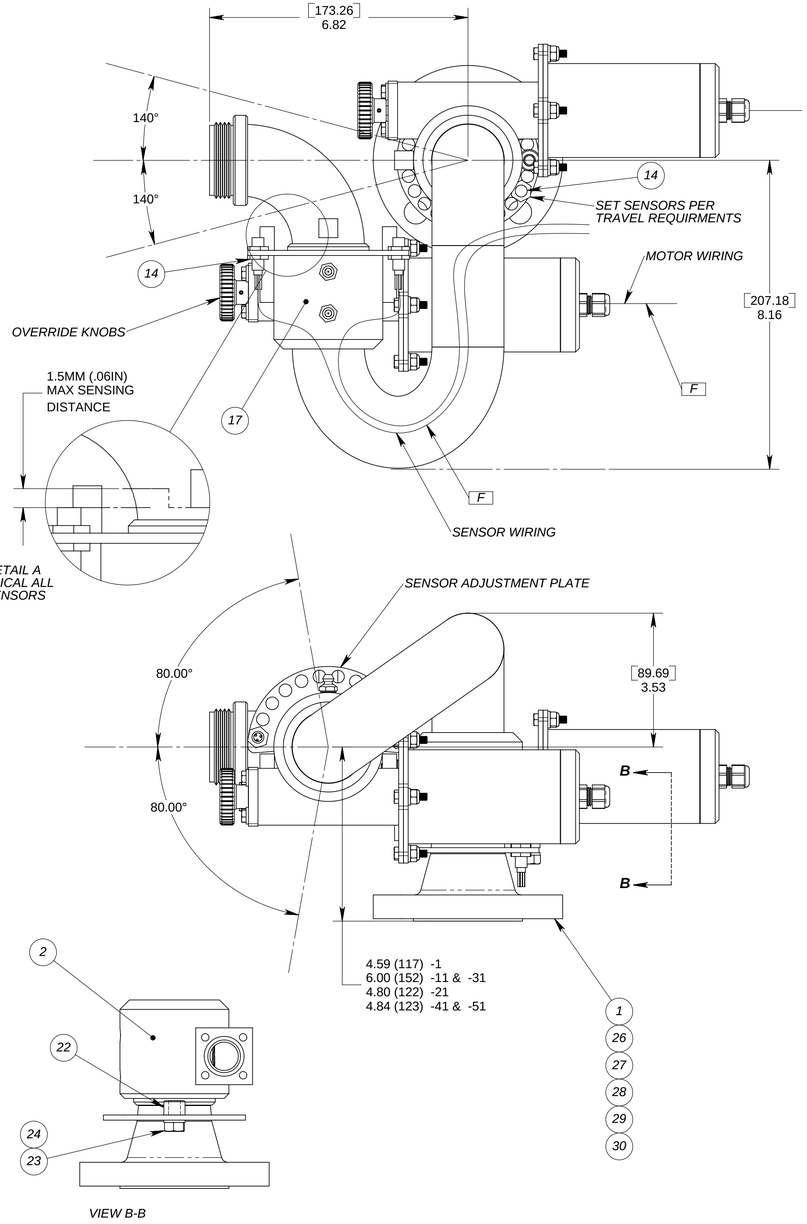
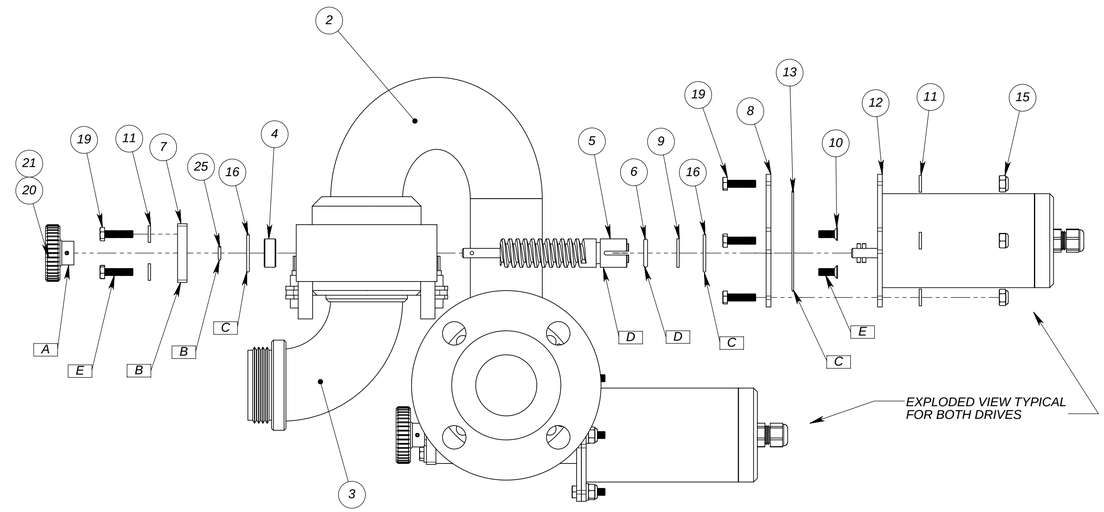
NOTES:
1. DO NOT SCALE THIS DRAWING.
2. BREAK ALL SHARP EDGES.
3. ALL DIMENSIONS DISPLAYEDIN PARENTHESIES ARE FOR REFERENCE ONLY.
4. MONITOR IS POWDER COATED OR PAINTED STANG RED. ADD "EP" SUFFIX FOR EPOXY COAT.
5. SEE DRAWING NUMBER 105208-491 FOR WIRING.
6. SEE DOCUMENT # 915590m FOR ASSY & MAINTANCE.

ASSEMBLY NOTES	
A	PRESS IN ROLL PIN AFTER KNOB IS ON WORM SHAFT
B	INSERT O-RING INTO PLATE PRIOR TO ASSY-GREASE O-RING
C	APPLY GREASE ON O-RING TO HOLD IN PLACE
D	PLACE O-RING ON SHAFT & GREASE PRIOR TO ASSY
E	APPLY NON-PERMANANT LOCTITE ON THREADS
F	USE CABLE TIES TO FASTEN SENSOR WIRES TO WATERWAY; BUNDLE MOTOR WIRES WITH VERTICAL SENSOR WIRES & COVER WITH FLEXIBLE WIRE SLEEVE; MAKE SURE THERE IS SUFFICIENT LENGTH FOR ALL POSSIBLE EQUIPMENT MOTION; WIRE INTO JUNCTION POINT PER DRAWING 105208-491

REVISIONS			
LTR	REVISION	DATE	BY
A	INITIAL RELEASE	05/21/07	EK





GENERAL INFORMATION
MONITOR (WATER CANNON) HAS A WATERWAY SIZE OF 1.50" (40MM). UNIT IS CONTROLLED VIA TWO MOTORS, ONE FOR HORIZONTAL AND ONE FOR VERTICAL ROTATIONS. INDUCTIVE PROXIMITY SWITCHES LIMIT THE ROTATIONAL TRAVEL AND ARE SET AT ANGULAR INCREMENTS. FLOW: UP TO 350GPM (79.50M³/H) PRESSURE: 50-150PSI (3.45-10.35BAR) OPTIMUM PRESSURE: 100PSI (6.9 BAR) OUTLET THREAD: 1.50NH MATERIALS: WATERWAY: STAINLESS STEEL SWIVELS: ALUMINUM BRONZE

CONFIGURATION TABLE	
THE LAST DASH NUMBER IN THE PART NUMBER IS THE VOLTAGE, 12 OR 24 VDC	
FIRST DASH #	INTLET TYPE
915590-1-XX	1.5-150#RF
915590-11-XX	2.5-150#RF
915590-21-XX	1.5-150#FF
915590-31-XX	2.5-150#FF
915590-41-XX	W/1.5NPT(M)
915590-51-XX	W/1.5NPT(F)

-51-24/QTY.	-41-24/QTY.	-31-24/QTY.	-21-24/QTY.	-11-24/QTY.	-1-24/QTY.	-51-12/QTY.	-41-12/QTY.	-31-12/QTY.	-21-12/QTY.	-11-12/QTY.	-1-12/QTY.	ITEM NO.	PART NO.	DESCRIPTION
2	2	2	2	2	2	-	-	-	-	-	-	31	385112-11	HOUSING ASS'Y W/24VDC MOTOR
1	-	-	-	-	-	1	-	-	-	-	-	30	800205-51	BASE INTAKE, 1.50" SLP W/1.5NPT(F), SS-AB
-	1	-	-	-	-	-	1	-	-	-	-	29	800205-41	BASE INTAKE, 1.50" SLP W/1.5NPT(M), SS-AB
-	-	1	-	-	-	-	-	1	-	-	-	28	800205-31	BASE INTAKE, 1.50" SLP W/2.5-150#FF, SS-AB
-	-	-	1	-	-	-	-	-	1	-	-	27	800205-21	BASE INTAKE, 1.50" SLP W/1.5-150#FF, SS-AB
-	-	-	-	1	-	-	-	-	-	1	-	26	800205-11	BASE INTAKE, 1.50" SLP W/2.5-150#RF, SS-AB
2	2	2	2	2	2	2	2	2	2	2	2	25	100128-010	O-RING, AS568A-010, .063W X .250ID X .375OD, BUNA-N
1	1	1	1	1	1	1	1	1	1	1	1	24	101715-31C	WASHER, FLAT, .325ID X.562OD X.063T, 18-8
1	1	1	1	1	1	1	1	1	1	1	1	23	102472-50C	BOLT, HH, 5/16-18UNC X .50L, 18-8
1	1	1	1	1	1	1	1	1	1	1	1	22	331499-1	STOP, DC MONITOR SCREW-ON HARD-SS
2	2	2	2	2	2	2	2	2	2	2	2	21	100059-4	PIN, ROLL, .094D X .75L, 18-8
2	2	2	2	2	2	2	2	2	2	2	2	20	333947-3	KNOB, 1.50" DC MONITOR OVERRIDE-ALUM
16	16	16	16	16	16	16	16	16	16	16	16	19	115155-103275C	SCREW, HHFT, 10-32UNF X .75L, 18-8
1	1	1	1	1	1	1	1	1	1	1	1	18	103828-21	SWIVEL KIT, 1.5 NOM.
1	1	1	1	1	1	1	1	1	1	1	1	17	103828-1	SWIVEL KIT, 1.5 NOM.
4	4	4	4	4	4	4	4	4	4	4	4	16	100128-020	O-RING, AS568A-020, .864ID X .070Cs, BUNA-N
8	8	8	8	8	8	8	8	8	8	8	8	15	100249-42C	NUT, NYLOCK, 10-32UNF, 18-8
4	4	4	4	4	4	4	4	4	4	4	4	14	162415-6	PROXIMITY SWITCH, 8mm BODY, 3 WIRE NC INDUCTIVE, 10-30VDC
2	2	2	2	2	2	2	2	2	2	2	2	13	100128-037	O-RING, AS568A-037, 2.500ID X .070Cs, BUNA-N
-	-	-	-	-	-	2	2	2	2	2	2	12	385112-1	HOUSING ASS'Y W/12VDC MOTOR
16	16	16	16	16	16	16	16	16	16	16	16	11	101715-10C	WASHER, FLAT, .203ID X.44OD X.063T, 18-8
8	8	8	8	8	8	8	8	8	8	8	8	10	101512-103250C	SCREW, FH, 100°, CROSS, 10-32UNC X .50L, 18-8
2	2	2	2	2	2	2	2	2	2	2	2	9	110500	WASHER,THRST,BRZ .50x.75 (5906K512)
2	2	2	2	2	2	2	2	2	2	2	2	8	301565-1	PLATE, 12-24V MOTOR MOUNTING
2	2	2	2	2	2	2	2	2	2	2	2	7	301574-3	PLATE, WORM CROSSTUBE END-ALUM
2	2	2	2	2	2	2	2	2	2	2	2	6	100128-113	O-RING, AS568A-113, .563ID X .103Cs, BUNA-N
2	2	2	2	2	2	2	2	2	2	2	2	5	706504-1	WORM, .75 DIA. W/OVERRIDE, 304
2	2	2	2	2	2	2	2	2	2	2	2	4	110510-2	BEARING, .75 BRZ. FOR OVERRIDE THRUST
1	1	1	1	1	1	1	1	1	1	1	1	3	801378-11	ELL, UPPER, 1.50" SLP, SS-AB
1	1	1	1	1	1	1	1	1	1	1	1	2	801516-11	ELL, LOWER, 1.50" SLP, SS-AB
-	-	-	-	-	1	-	-	-	-	-	1	1	800205-1	BASE INTAKE, 1.50" SLP W/1.5-150#RF, SS-AB

The information and design disclosed herein is the property of Stang Industries Inc. All proprietary use and sales rights thereto are reserved. This disclosure is confidential and must not be copied in whole or part.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR
.XX ±.03 ±2°
.XXX ±.010

DO NOT SCALE DRAWING

TREATMENT: SEE NOTES
FINISH: SEE NOTES
SIZE: D
SUPP. #: N/A

STANG INDUSTRIAL PRODUCTS
1250 RAILROAD ST.
CORONA, CA 92882

MONITOR, 1.50" SLP DC RELAY STYLE, SS-AB

P/N	MATL.		
915590			
CAGE# 55822	DRAWN EK	CHECK	REVISION A
DATE 05/18/07	DESIGN	SCALE NTS	SHEET 1 OF 1