Template Version: C020081212 - Main C

APPENDIX B

PRE-PURCHASED EQUIPMENT SHOP DRAWINGS (SEE 011100)

IQS35B4 WT actuator for existing IW11R2160 gearbox (ON-OFF service)

Max. rating

actuator

135 Nm

100 Ft.lbs

combination

combination

115,425 Nm

85,500 Ft.lbs

Weight

actuator

69 Kg 375 Kg

152 lbs 825 lbs

Actuator speed

173 RPM

Operating time (combination)

190 seconds

Max. bore

actuator

44 mm

1-3/4"

gearbox

203 mm

8"

Voltage

230 V / 1 ph / 60 Hz

Wiring diagram

3001-000

Amperage

rated torque

19 Amps

locked rotor

56 Amps

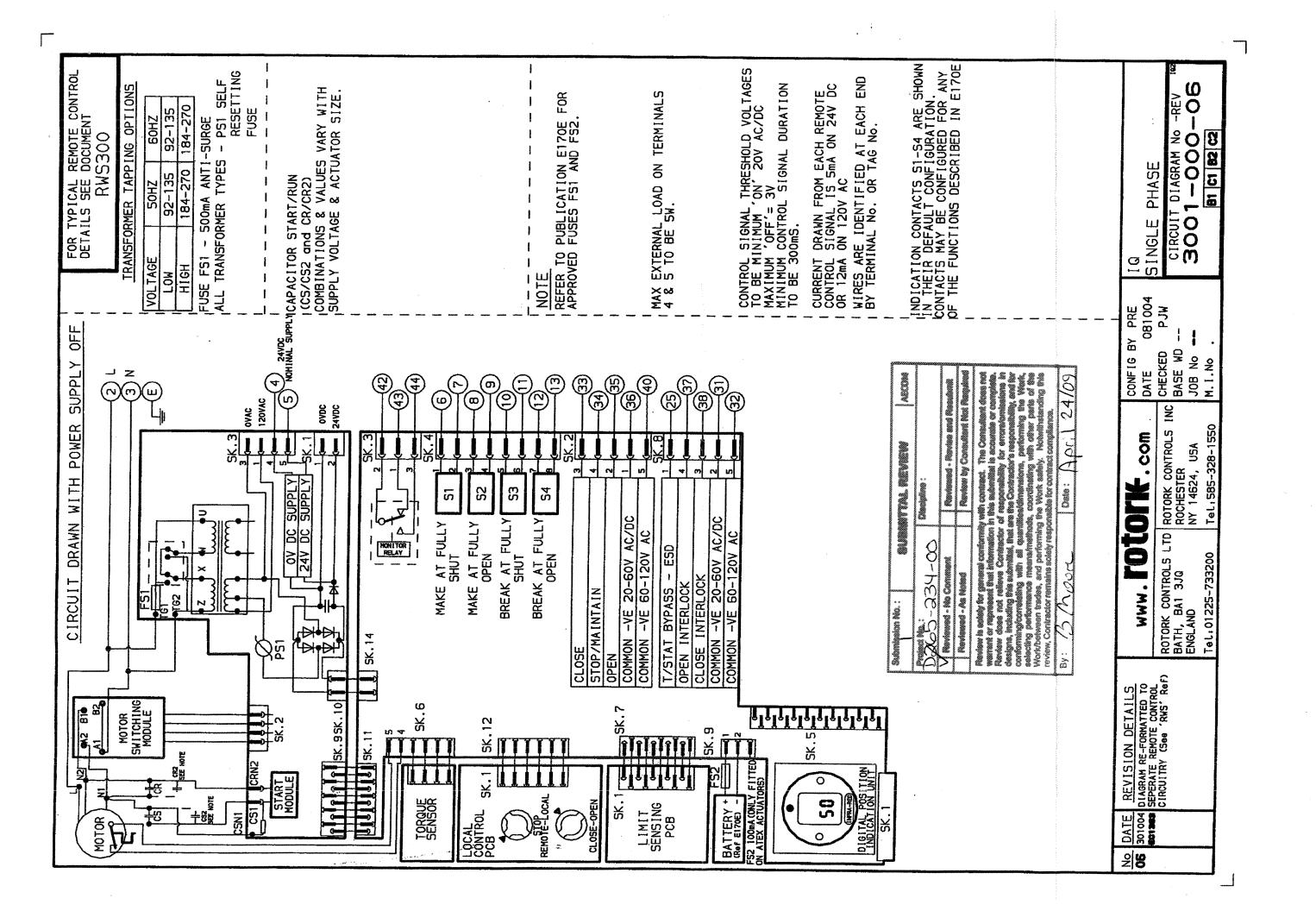
PROJET MOUNTING & BASE DETAIL

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Review to pointly for general conformity with content. The Consultant does not averaged or represent that information in this submitted is accurate or complete. Review does not reliable Contents of respectability for expectability, and for designs, publishing this submitted, that are the Contents in respectability, and for conforming formations with all contents that is a post of the Work, selecting postermance missing the Work and post of the Workfortween trades, and posterming the Work contents. Protestional and the workfortween trades, and posterming the Work contents to the review, Contractor remains a stally respecting the contents.

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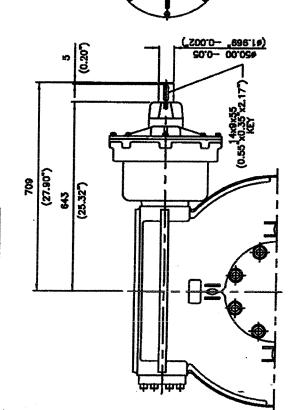


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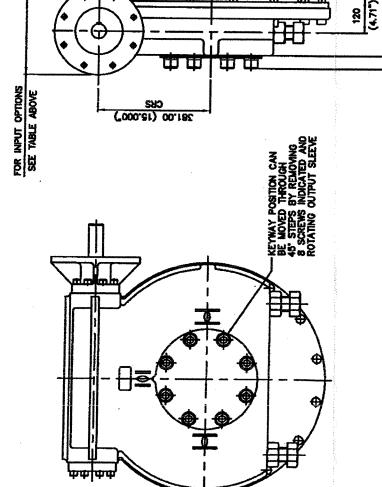
		2	RPUT PLANCE DETAILS (RATIOS 180 TO 3000)	T OST SOUTH	0 3000)
	PLAKE O/DIA	SKAPT DIA.	PECESS OIA.	RECESS	HOLE DETAILS (OFF CENTRES)
SO FIG	#1215 (#4.92°)	#20.00 -0.06 (#0.787 -0.002")	#70.05 +0.15 (#2.756" +0.006")	(a.e.)	4 HOLES SIGLS (40.417) CH SIGZO (44.027) P.C.
FAIO	#125 (#4.92°)	6000 -0008)	#\$4.70 +0.15 (#2.311" +0.006")	(a.e.)	4 HOLES 810.8 (80.417) ON 8102.0 (84.027) P.C.
50 Ft	#175 (#6.89°)	61.181" -0.002")	#100.05 +0.15 (#3.636" +0.006")	(0.20°)	4 HOLES #14.8 (#0.65") ON #140.0 (#6.51") P.C.
FA14	#176 (#6.08°)	#30.00 -0.06 (#1.181" -0.002")	#85.25 +0.15 (#3.750" +0.005")	(0.20)	4 HOLES FIRES (90.85") ON #140.0 (96.81") P.C.
85 55	(48.27°)	90'0- 00'0+4	#5000 +018 (#5.120" +0.006")	(0.20°)	4 HOLES PZOJS (#0.817) OH PHSSO (#6.507) P.C.
7A16	4210 (46.27°)	90'0- 00'074	#126.82 +0.18 (#6.887* +0.007*)	(0.20)	4 HOLES SZOJS (SOJST) ON STOSO (SEJSOT) P.C.
SS 725	4300 (#1.817)	(41.865° —0.002°)	#200.10 +0.10 (#7.576" +0.004")	(0.207)	8 HOLES MELS (#0.65") ON #254.0 (#10.00") P.C.
FA25	(m.er*)	90'0- ,896'14)	#182.30 +0.17 (#5.996" +0.007")	(0.20°)	8 HOLES #16.5 (#0.85°) ON #254.0 (#10.00°) P.C.

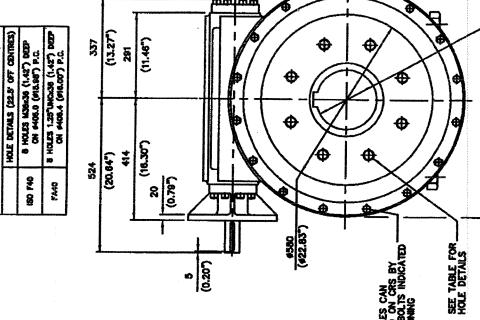




(27.90°) (48 (25.52°)		
20 (0.707)		MEWS SHOWING 1010RISED UNIT 0S 180, 240, 360, 40, 720, 960, 1080, 2160, 2520 & 3000
10 10	(#15.04°)	74647
SEE TABLE ABOVE 59 (2.327)		 8881 887 8841 887 8841
SEE TABLE		ф ф

			INPUT PLANCE DETAILS (RATIO 60)	ALS (PLATED 6	(6	
	PLANCE O/DIA.	SHAFT DIA.	RECESS DA.	RECESS	HOLE DETAILS (OFF CENTRES)	KEY
85 728	6300 (#11.81)	(91.968" -0.05 (91.968" -0.05	#200.10 +0.05 (#7.878" +0.002")	(0.207)	8 HOLES #18.5 (#0.65") ON #254.0 (#10.00") P.C.	1449x100 (0.8670.367x3.947)
FAZIS	(#11.81°)	(*1.989" –0.055 (*1.989" –0.002")	##2.30 +0.17 (#5.998" +0.007")	(0.20)	6 HOLS HES (40.65") ON \$254.0 (40.00") P.C.	1449A100 (0.55*10.35*x3.94*)
85 85 85	6350 (43.78°)	#50.00 -0.05 (#1.968" -0.002")	#230.10 +0.10 (#9.058" +0.004")	(a.267)	8 HOLES 420.5 (40.81") ON 4298.0 (#11.73") P.C.	1449k(100 (0.86°x0.36°x3.94°)
ROTORK GSO	#418 (#16.46°)	(#1.865" —0.05 (#1.865" —0.02")	#218.10 +0.10 (#8.508" +0.004")	(0.24")	8 HOLES #23.0 (#0.917) ON #386.0 (#14.027) P.C.	1440x100 (0.85"x0.35"x3.94")





PUB\IW11CD DRAWN: S.W. 19.3:39 OUTLINE DETAILS OF IW11

MEWS SHOWING MOTORISED LINIT RATIO 60 ONLY

245 (9.65°)

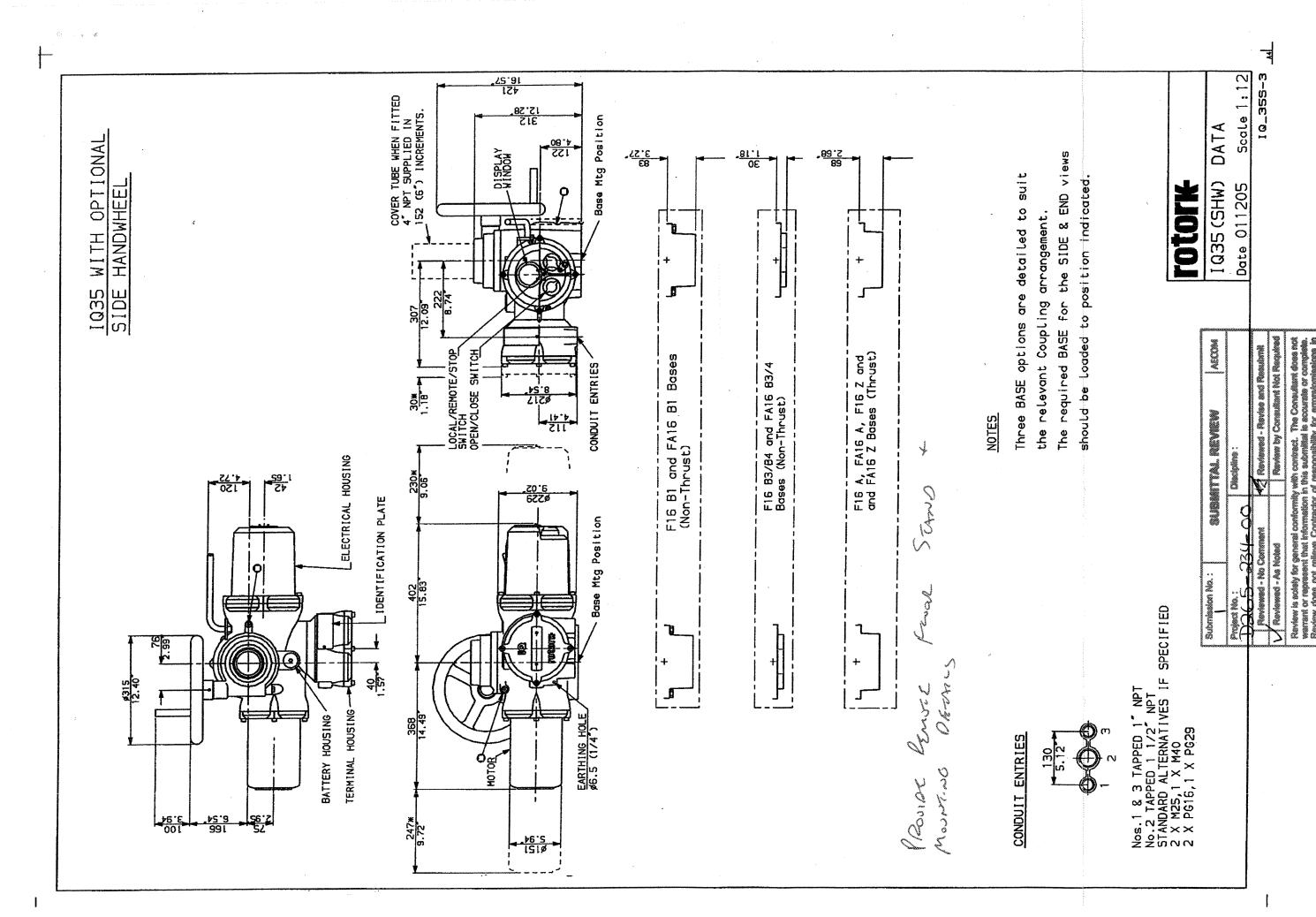
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IQS20B4 WT actuator for existing IW11R1440 gearbox (ON-OFF service)

Max. rating

actuator

100 Nm

74 Ft.lbs

combination

57,154 Nm

42,180 Ft.lbs

Weight

actuator

46 Kg

101 lbs

combination

350 Kg

775 lbs

Actuator speed

86 RPM

Operating time (combination)

250 seconds

Max. bore

actuator

30 mm

1-1/4"

gearbox

203 mm

8"

Voltage

230 V / 1 ph / 60 Hz

Wiring diagram

3001-000

Amperage

rated torque

7.2 Amps

locked rotor

22 Amps

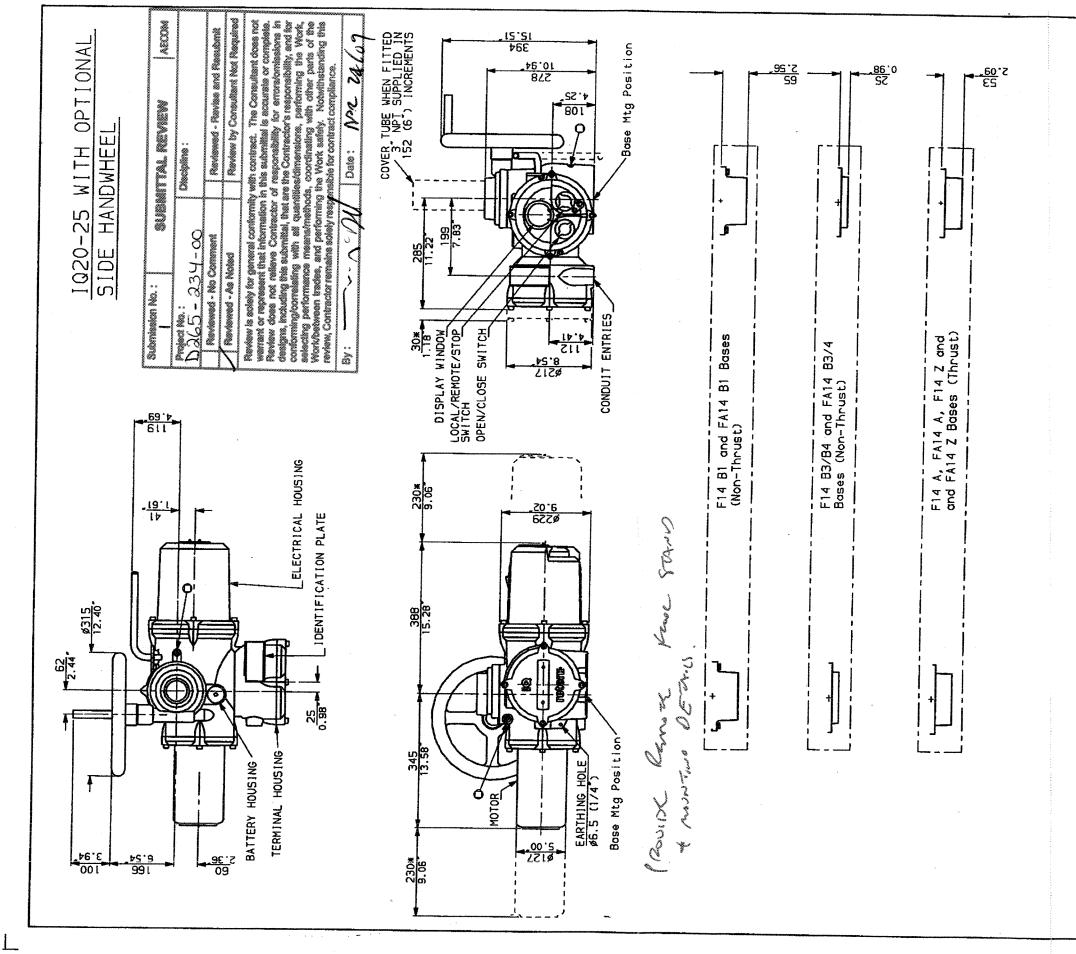
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Review is solely for general conformity with contract. The Consultant does not warrant or represent that information in this submittel is accurate or complete. Review does not relieve Contractor of responsibility for errors/omissions in designs, including this submittel that are the Contractor's responsibility, and for conforming/correlating with all quantities/dimensions, performing the Work, selecting performance means/methods, coordinating with other parts of the Work/between trades, and performing the Work safely. Notwithstanding this review, Contractor remains solely provisible for contract compliance.

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Date *

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CONDUIT ENTRIES

The required BASE for the SIDE & END views should be loaded to position indicated. Three BASE options are detailed to the relevant Coupling arrangement.

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Nos.1 & 3 TAPPED 1" NPT No.2 TAPPED 1 1/2" NPT STANDARD ALTERNATIVES IF SPECIFIED 2 X M25,1 X M40 2 X PG16,1 X PG29

I Q20 (SHW) Date 090500

Retork Controls Ltd. Bath, England BA1 330 Bath (01225)733200 DATA

Scale 1:12

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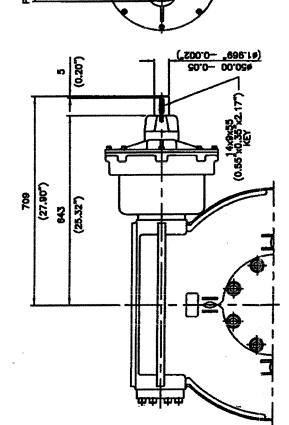
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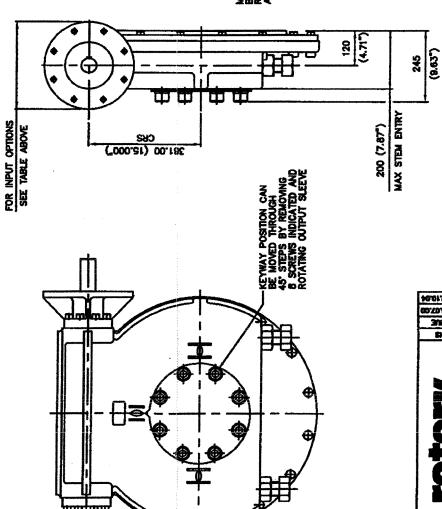
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	PLANCE O/DIA.	SHAFT DIA.	RECESS DIA.	RECESS DOPTH	HOLE DETAILS (OFF CENTRES)	NEY DETAILS
ISO F10	#125 (#4.92°)	#20.00 -0.05 (#0.787" -0.002")	\$70.05 +0.15 (\$2.755" +0.006")	(a.167)	4 HOLES FIGE (FO.417) ON FIGE.0 (FA.027) P.C.	6adardo (0.24°x0.24°x1.57″)
FA10	#25 (#.92)	(_2000194'0#)	### +0.006")	(0.167)	4 HOLES 819.5 (80.417) ON 8102.0 (84.027) P.C.	6x6x40 (0.24°x0.24°x1.57°)
ISO F14	#176 (#8.89 [*])	(#1.181" -0.002")	#100.05 +0.15 (43.838" +0.006")	(0.20°)	4 HOLES #18.5 (#0.65") ON #140.0 (#5.51") P.C.	847485 (0.31"x0.28"x2.177)
FA14	#176 (#6.89°)	430.00 -0.05 (91.181" -0.002")	### ##################################	(0.20)	4 HOLES #14.5 (#0.85") OH #140.0 (#5.81") P.C.	847486 (0.31740.28742.177)
ISO F16	#210 (#8.27°)	90'0- 91'91) 90'0- 00'07-	#130.05 +0.15 (#6.120" +0.006")	(0.20°)	4 HOLES #20.5 (#0.81") ON #185.0 (#8.50") P.C.	124655 (0.47.40.31"x2.17")
FA16	#210 (#8.277)	(91.375" -0.06 (91.375" -0.06	#128.82 +0.18 (#4.987" +0.007")	(02°0) 9	CN FIRE FEG.5 (FO.ST.)	12/2/2017 (0.47/2031/2017)
150 F25	(#11,81 [*])	(2000 – 2005) (91.968° –0.058	#200.10 +0.10 (#7.576" +0.004")	(0.20°)	6 HOLES MISLS (MOSES") ON #254.0 (#10.00") P.C.	1449485 (0.55°,#0.35°x2177)
FA2S	4300 (#11.81 [*])	(_20070896*L#) 9070 00709#	#62.30 +0.17 (#6.886" +0.007")	(02°0)	6 HOLES FIG.5 (FO.65") ON #254.0 (FIO.00") P.C.	1449HBS (0.055"x0.35"x2.17")

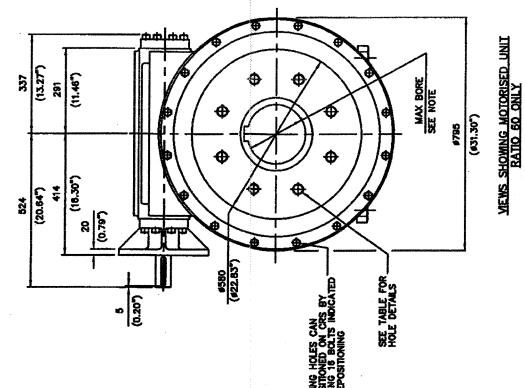


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	VIEWS SHOWING ACIORISED UNII OS 180, 240, 360, 540, 720, 960, 1080,
\$282 ("+0.81%)	VIEWS S MOTORISI RANOS 180, 480, 540, 720
	(.+0°\$1#) 2282#

	PLANCE 0/DIA.	SHAFT	RECESS DIA.	RECESS	HOLE DETALS (OFF CENTRES)	KEY DETALS
130 F25	6300 (#11.81 [*])	650.00 -0.06 (#1.968" -0.002")	\$200.10 +0.05 (#7.876" +0.002")	(0.20°)	6 HOLES #18.8 (#0.65") CN #254.0 (#10.00") P.C.	14x8x100 (0.557x0.357x0.947)
FAZS	(#11.81*)	(_200'0898'1#) 90'000'08#	#6.996" +0.007")	(02°D)	B HOLES FIRE (FO.65) ON FZEAD (FIG.007) P.C.	14x8x100 (0.55*x0.35*x3.94*)
150 F30	(M3.78°)	(_20070896714) 9070007094	(*4.050* +0.10 (*4.050* +0.004*)	(0.24°)	8 HOLES #20.6 (#0.81") ON #285.0 (#11.73") P.C.	14494100 (0.85*A0.38*X3.84*)
ROTORK G30	#418 (me.467)	60.00 -0.05 (91.968" -0.002")	#218.10 +0.10 (#6.506" +0.004")	(a2¢)	8 HOLES #23.0 (#0.91") CN #386.0 (#14.02") P.C.	14494100 (0.86*40.36*x3.94?)



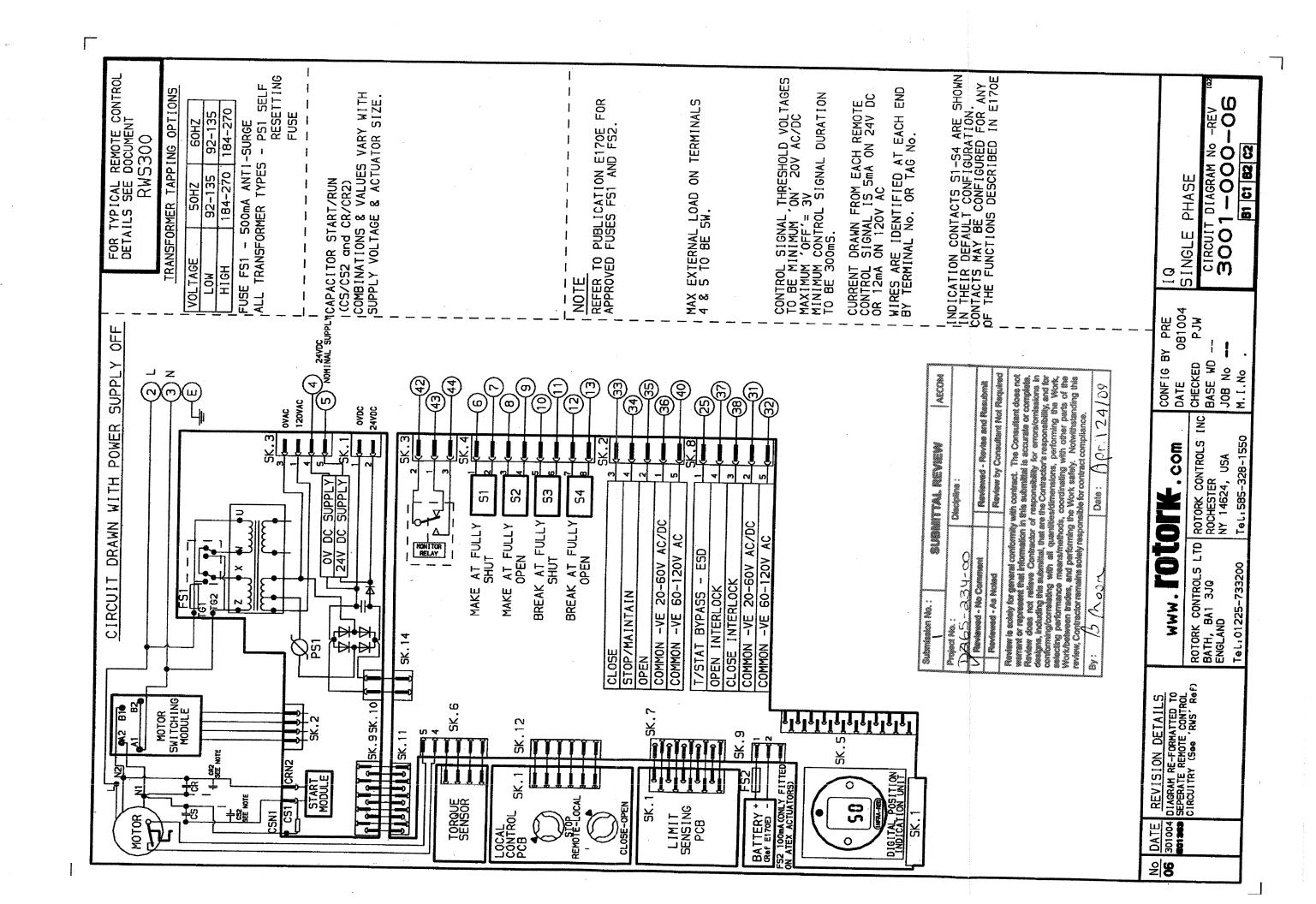
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DRAWN: S.W. 19.9.96 (CHECKED:

PUB\IW11CD OUTLINE DETAILS OF 1W11 ISO & USA STANDARD



IQ20B4 WT actuator c/w IW9R960 gearbox (ON-OFF service)

Max. rating

actuator

combination

142 Nm 54,065 Nm

105 Ft.lbs 39,900 Ft.lbs

Weight

actuator combination

46 Kg 342 Kg

101 lbs 752 lbs

Actuator speed

115 RPM

Operating time (combination)

125 seconds

Max. bore

actuator

30 mm

1-1/4"

gearbox

178 mm

Voltage

575 V / 3 ph / 60 Hz

Wiring diagram

3000-000

Amperage

rated torque

3.8 Amps

locked rotor

15.5 Amps

Gearbox

ratio

960

mech. advantage

380

Gearbox paint

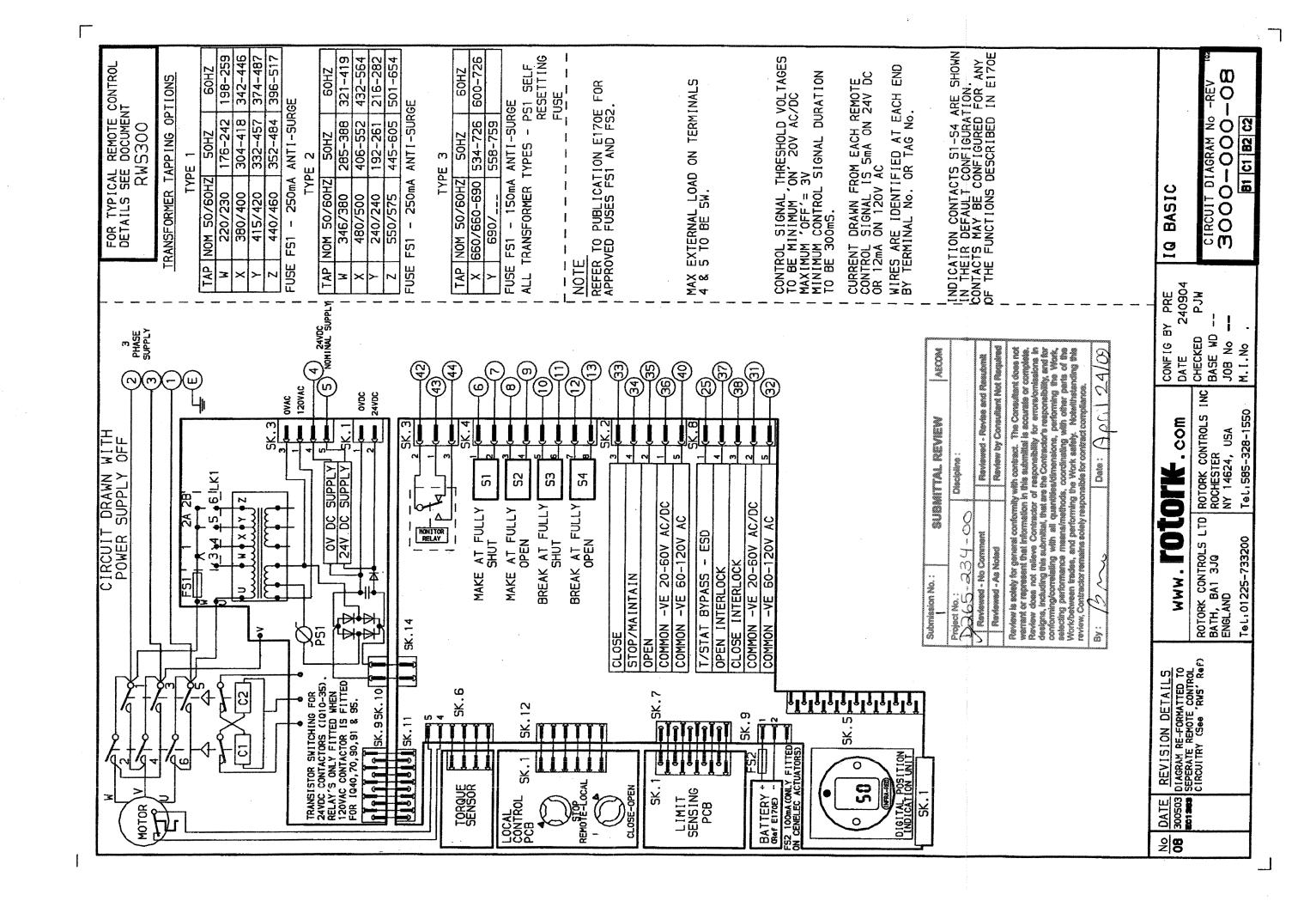
two coats polyamide epoxy paint

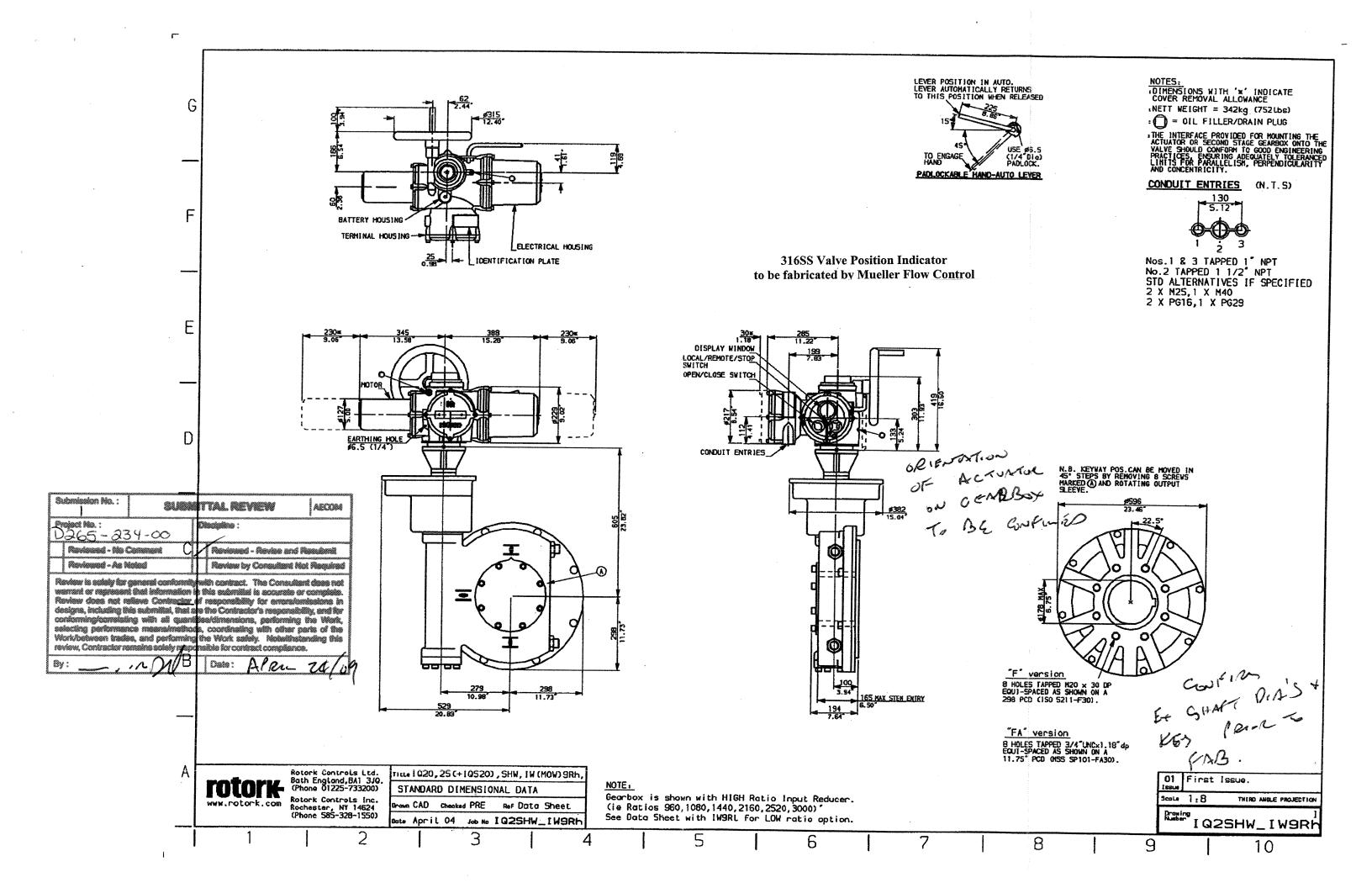
Amerlock 400

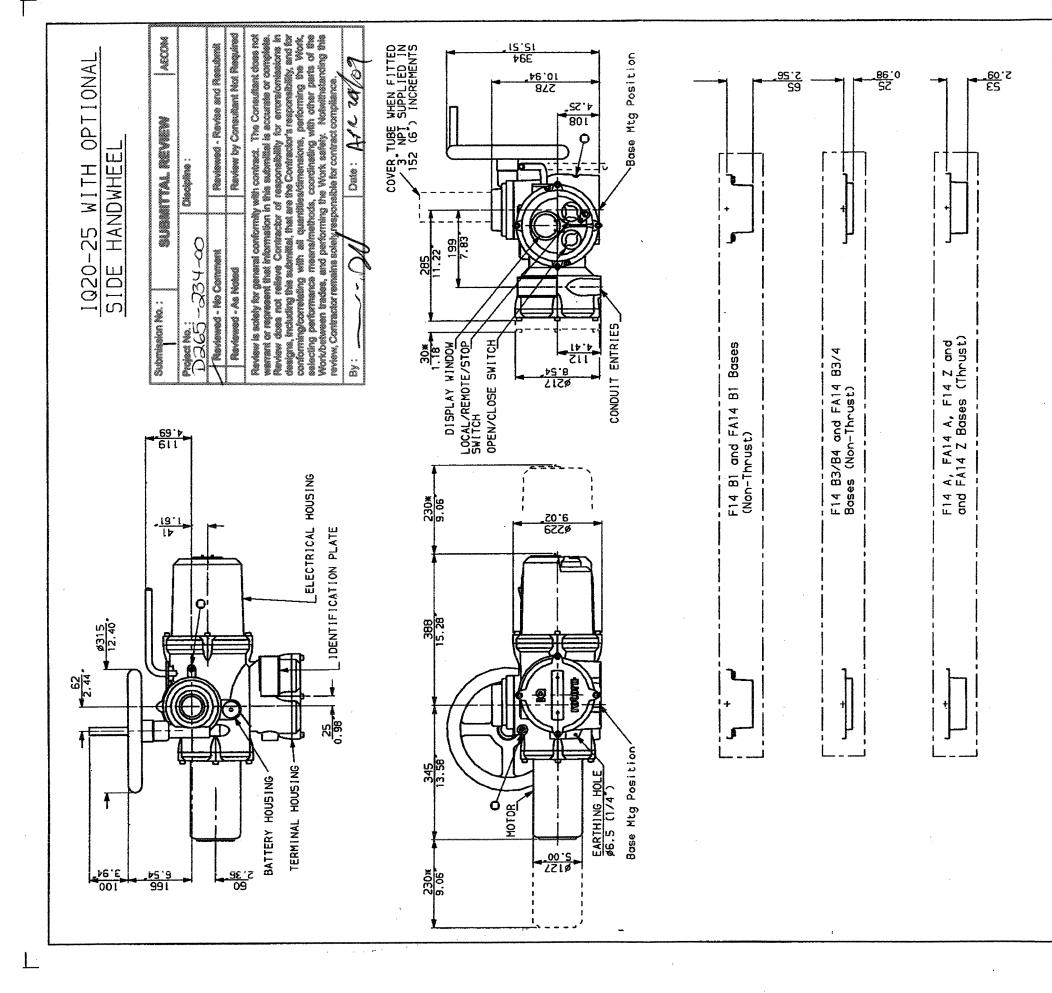
PROVIDE ACTUATION MOUNTING DETAILS INCC ADAPTINE PLATER, MADE & OSTIUT SHAFT DIA'S

SUBMITTAL REVIEW AECOM Project No.: Otsciptine: D265-234-00 Reviewed - No Commant Reviewed - Review and Resubmit

Review by Consultant Hot Required Rankow is solely for general conformity with contract. The Consultent does not Manage of toppessed that information in this submitted is accusable of complete. Review does not relieve Contractor of responsibility for emerginmissions in designs, including this submitted, that are the Contractor's responsibility, and for conforming/correlating with all quantities/dimensions, performing the Work, selecting performance means/methods, coordinating with other parts of the Work/between trades, and performing the Work safety. Notwithstanding this review, Contractor remains solely responsible for contract compliance.







The required BASE for the SIDE & END views Three BASE options are detailed to suit should be loaded to position indicated. the relevant Coupling arrangement.

NOTES

CONDUIT ENTRIES

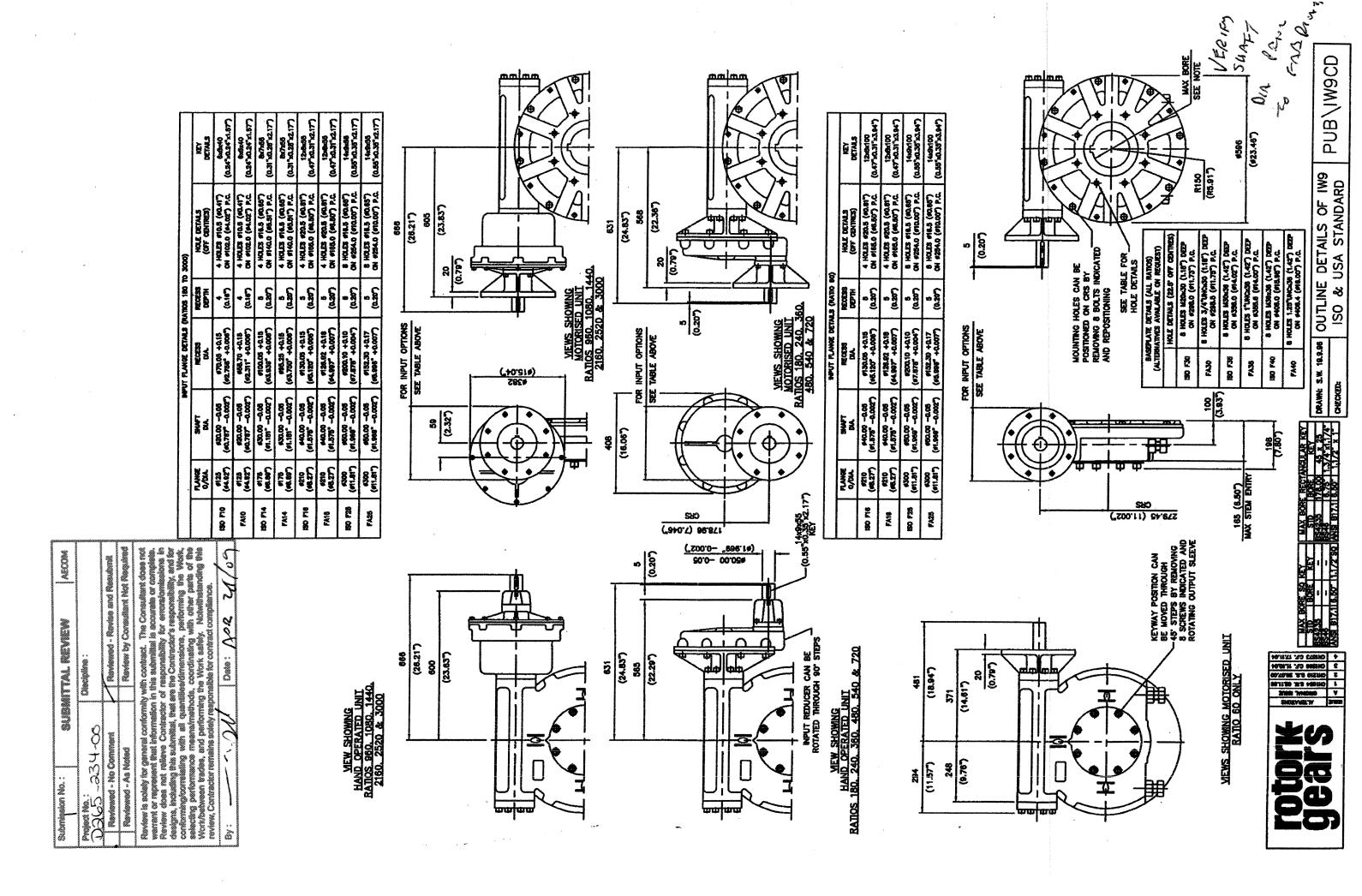
Nos.1 & 3 TAPPED 1" NPT No.2 TAPPED 1 1/2" NPT STANDARD ALTERNATIVES IF SPECIFIED 2 X M25,1 X M40 2 X PG16,1 X PG29 \bigoplus

Rotork Controls Ltd. Both, England BAI 3JQ Both (01225) 733200 rotork I Q20 (SHW)

DATA Date 090500

Scale 1:12

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