	Document Name	Date	Rev.	Page	Bulletin
	PRINT & PARTS LIST SUPPLEMENT	6/27/17	A	1 of 54	1162S

Hollister-Whitney Elevator Corporation

PRINT & PARTS LIST SUPPLEMENT GL101, GL131, GL171, GL130A, GL185 and GL260 AC Permanent Magnet, Gearless Machines

With Outboard Stands

See also Bulletin 1162: Installation and Service Manual, at:

<http://www.hollisterwhitney.com/#tech-support>




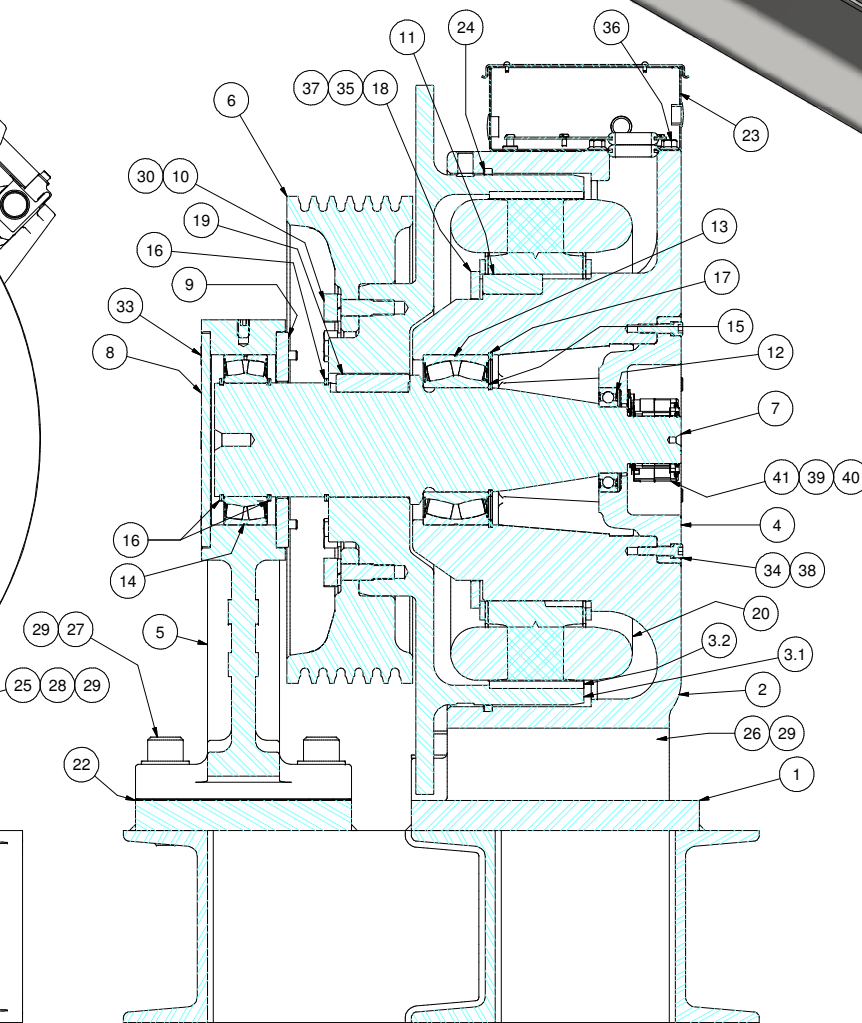
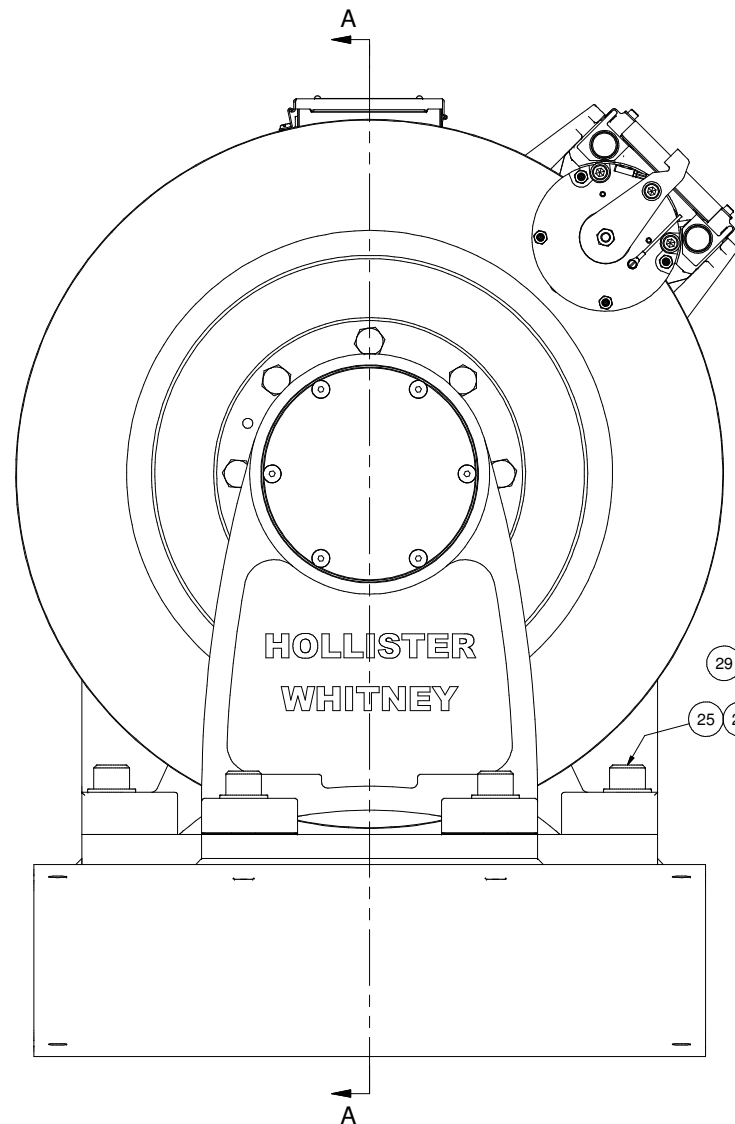
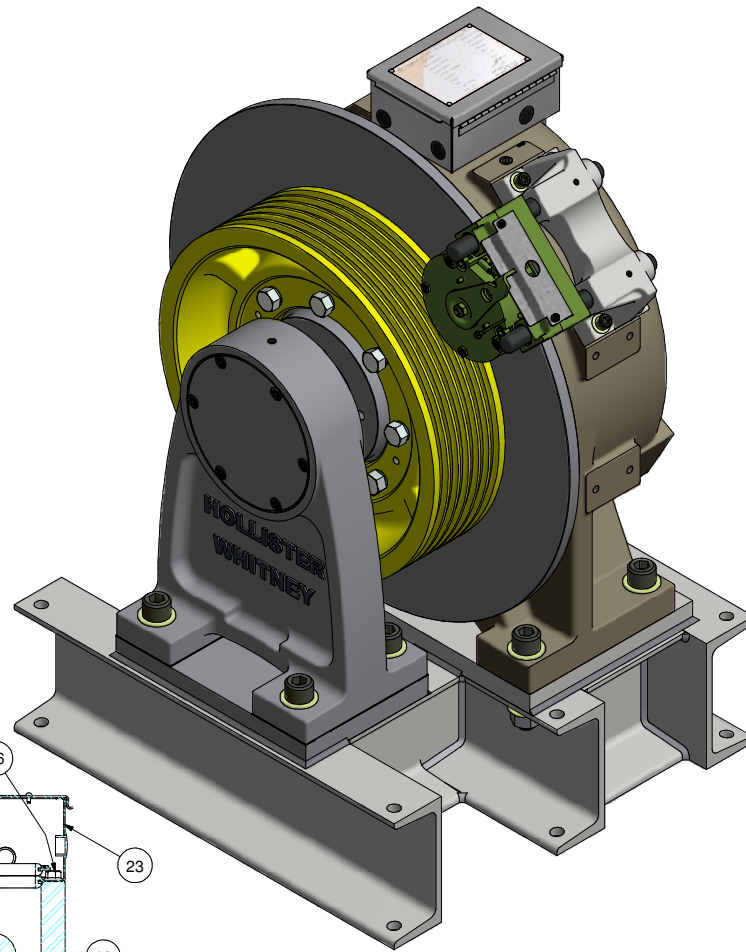
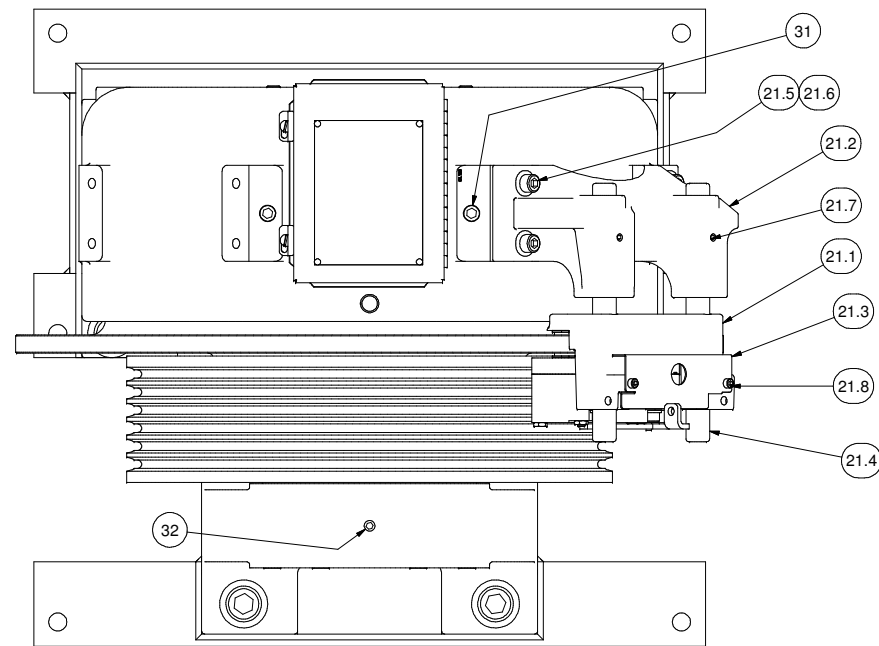
	Document Name	Date	Rev.	Page	Bulletin
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SECTION A-A
SCALE 1 / 4

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL101B-01	BASE FABRICATION - FINISHED
2	1	GL100-001	BASE HOUSING, MOTOR #GL100
3	1	GL101-002	ROTOR ASSEMBLY, MOTOR #GL100
3.1	1	GL101-004	ROTOR
3.2	28	GL100-099	PERMANENT MAGNET - MOTOR #GL100
4	1	GL260-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL101-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL100-090	Bearings, Sealed Spherical Roller
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	1	GL100-092	RETAINING RING - SHAFT
16	3	GL130-092	RETAINING RING - HOUSING
17	1	GL100-093	RETAINING RING - HOUSING
18	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
19	1	GL100-095	KEY - ROTOR TO SHAFT
20	1	GL100-100	WINDING ASSEMBLY
21	1	GL100-146	DISC BRAKE (MAYR #6) - MRL
21.1	1	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
21.2	1	142-001	BRAKE BASE
21.3	1	146-003	COVER - MAYR #6 ELECTRICAL
21.4	2	142-012	BRAKE ROD
21.5	4	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
21.6	4	1/2" WASHER	STANDARD WASHER
21.7	2	3/8-16 UNC x 0.375	SET SCREW
21.8	2	M6 x 1.00 x 8mm	SHCS - Metric
22	As Nec.	GL171-157-05	OUTBOARD STAND SHIM - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM - 0.031"
23	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
24	1	GL100-165	FELT DUST SEAL
25	2	1 - 8 UNC x 5"	SOCKET HEAD CAP SCREW
26	2	1 - 8 UNC x 4"	SOCKET HEAD CAP SCREW
27	4	1 - 8 UNC x 3.25"	SOCKET HEAD CAP SCREW
28	8	1" WASHER	SAE WASHER
29	8	1" NUT	HEX NUT
30	8	Washer GB 859-87 18	Single coil spring lock washers, Light type
31	6	3/4 - 10 UNC x 0.75"	SET SCREW (HOLE PLUG)
32	6	1/2 - 13 UNC x 0.5"	SET SCREW (HOLE PLUG)
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
35	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
36	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
37	6	3/8 WASHER	STANDARD LOCK
38	6	0.375 WASHER	CAP SCREW LOCK WASHER
39	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
40	4	#8 WASHER	INT. TOOTH LOCKWASHER
41	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

1:1 APPLICATIONS USING 2:1 WINDINGS						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20' (fpm)
GL101-15L	GL100-170-150	87.2	100	170	76.4	400
GL101-15H	GL100-360-150	87.1	100	360	76.4	400
GL101-20L	GL100-170-200	89.2	100	170	101.9	533
GL101-20H	GL100-360-200	89.3	100	360	101.9	533

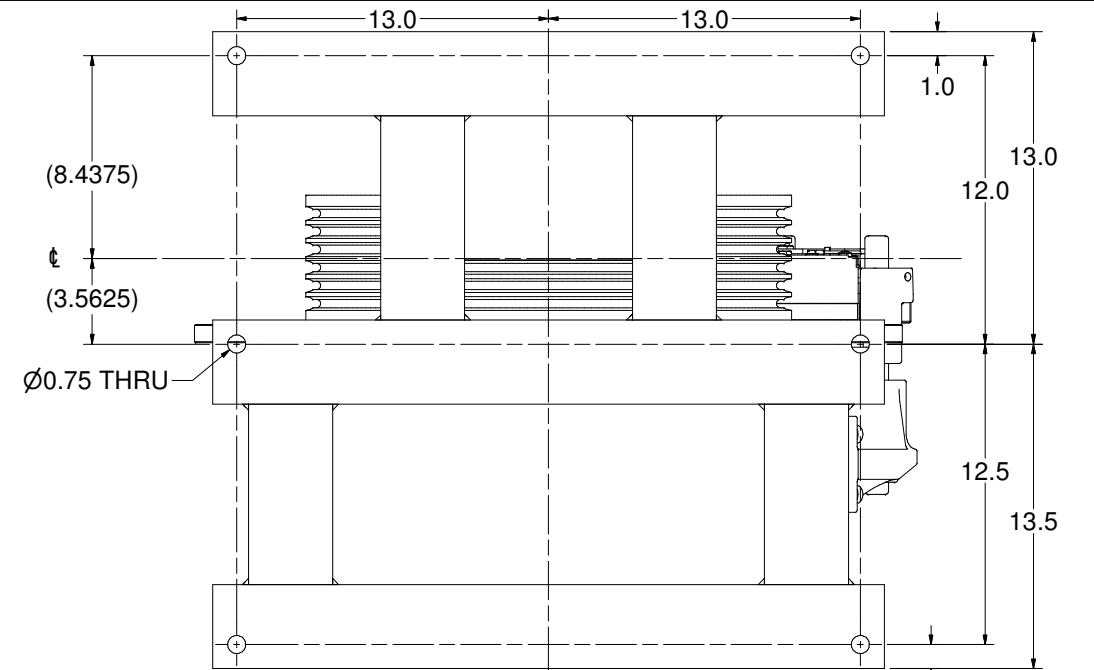
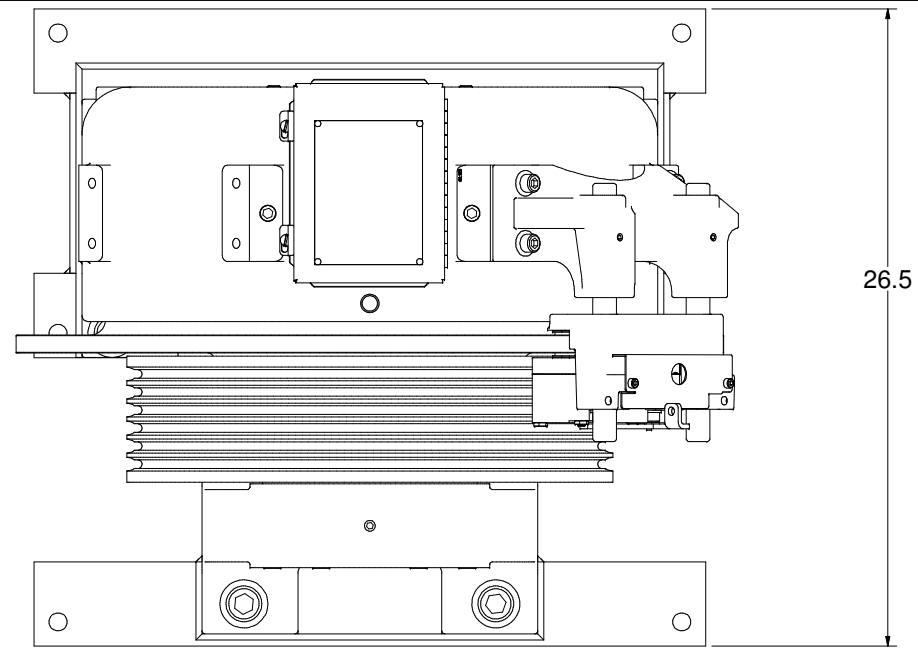
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HOLLISTER-WHITNEY
ELEVATOR CO.

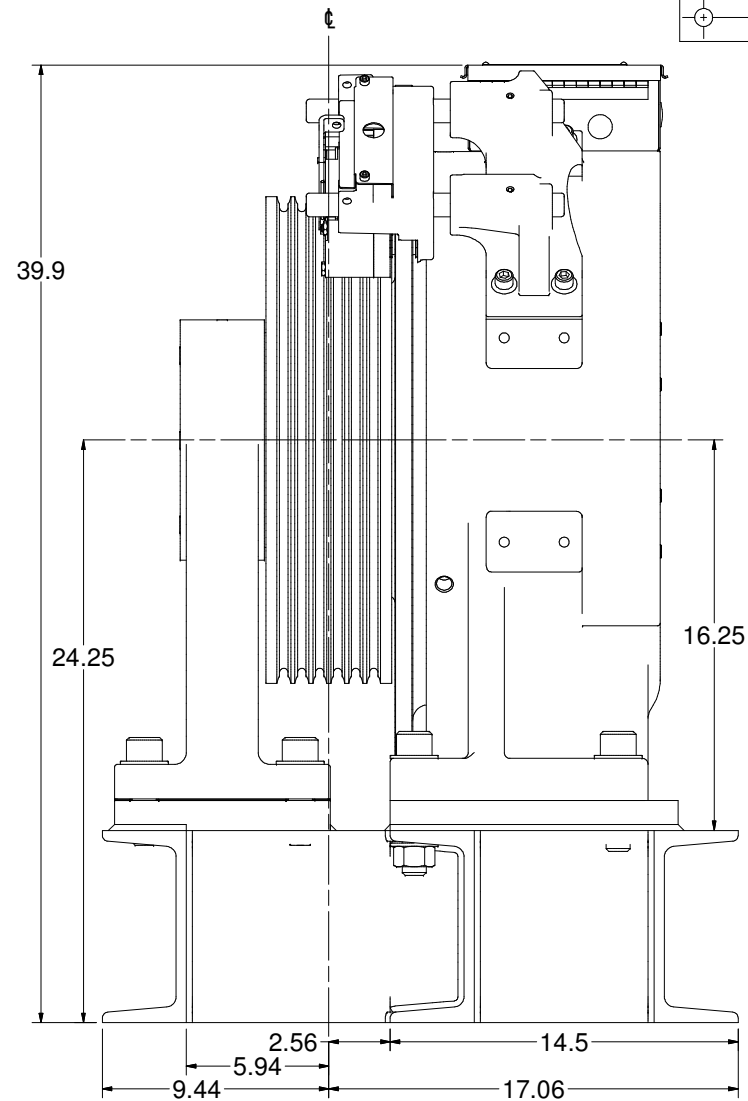
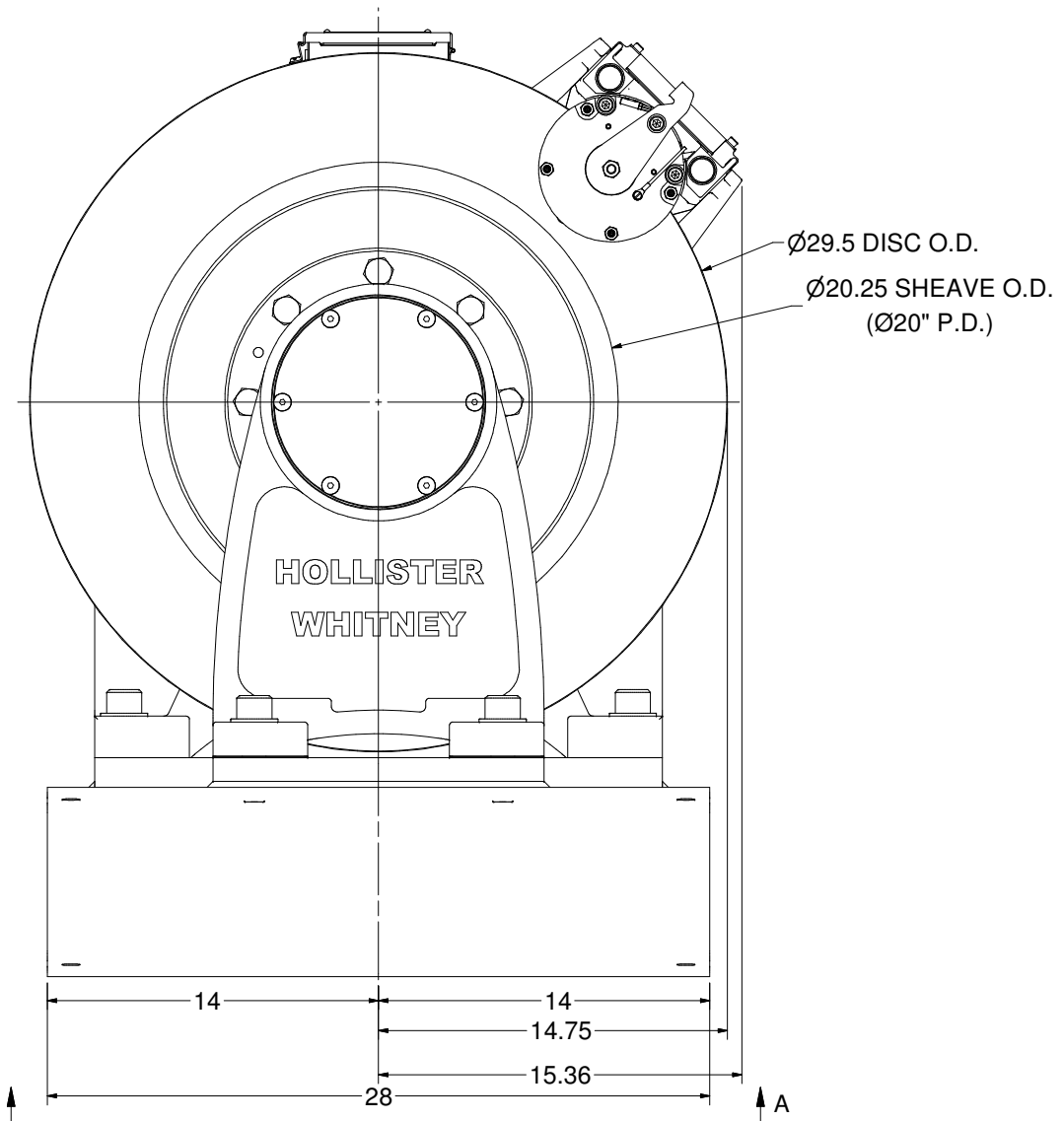
TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DRAWN BY	SCALE	MATERIAL	DIMENSIONAL TOL.
LTL	NA	SEE MATERIAL LIST	1 PLACE ±0.01, 2 PLACE ±0.005 3&4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150
DATE	5/21/2014		
SHEET SIZE	D		

GL101



VIEW A-A
SCALE 1 / 4



Weight: 1925.43 lbmass

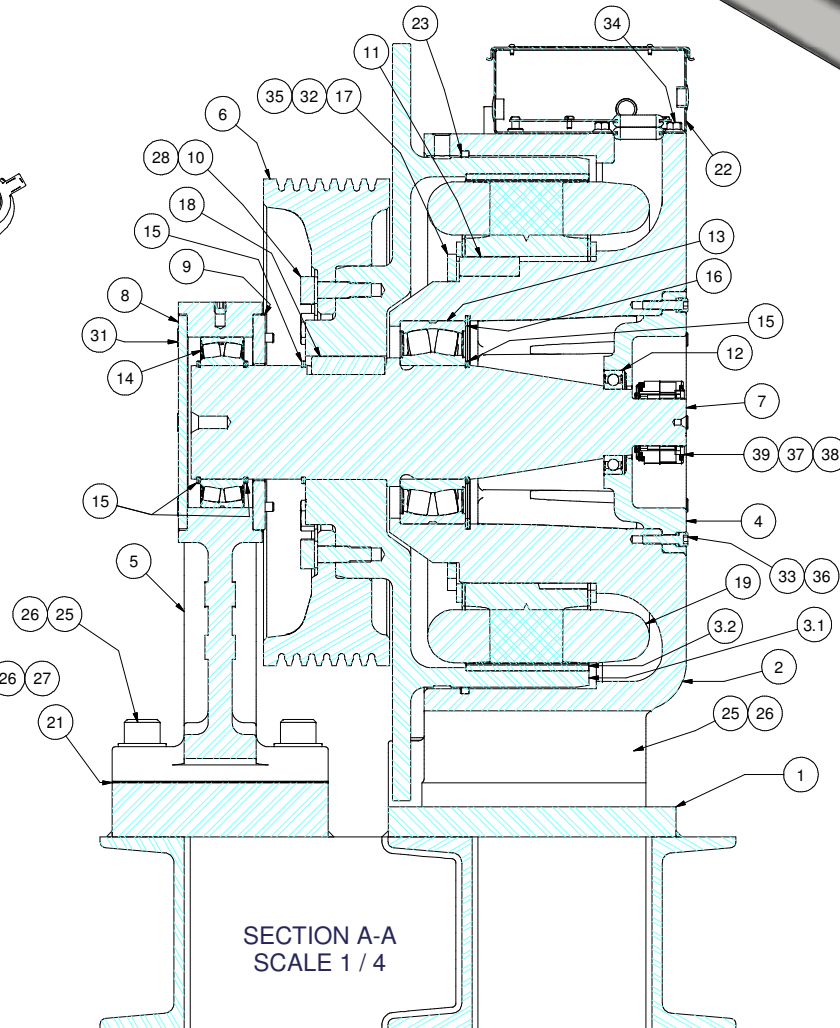
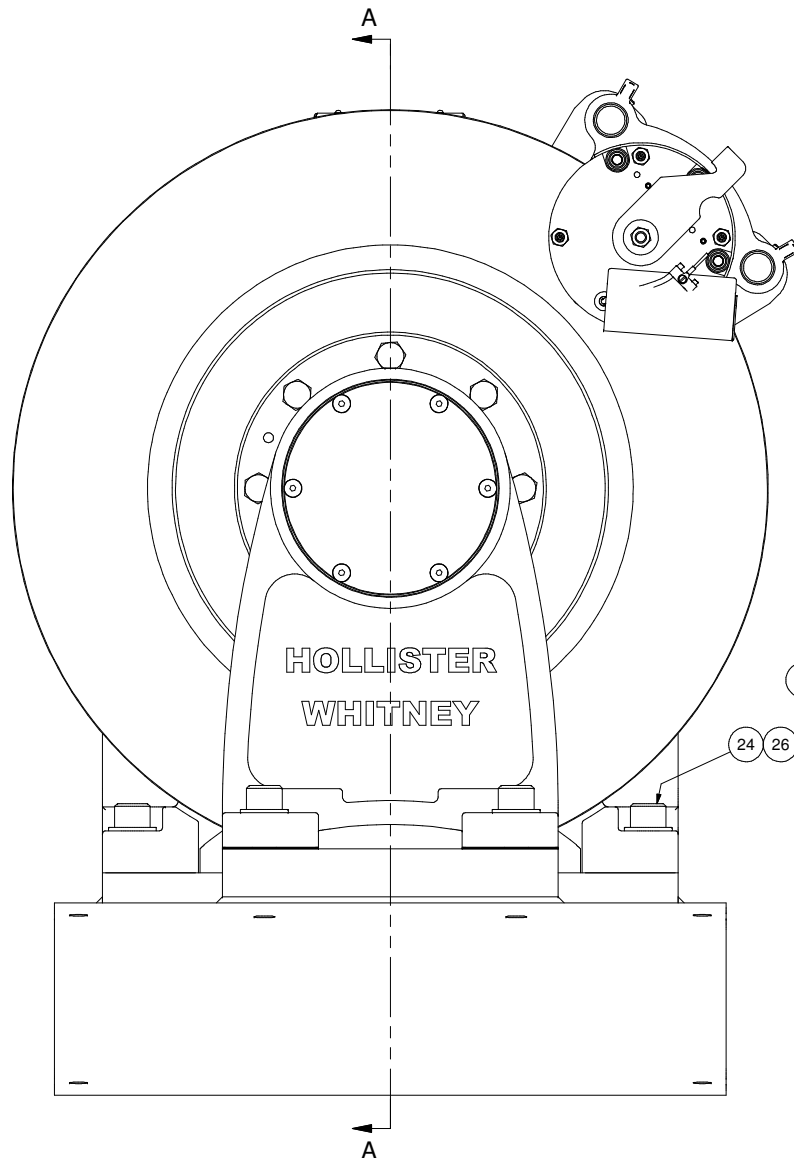
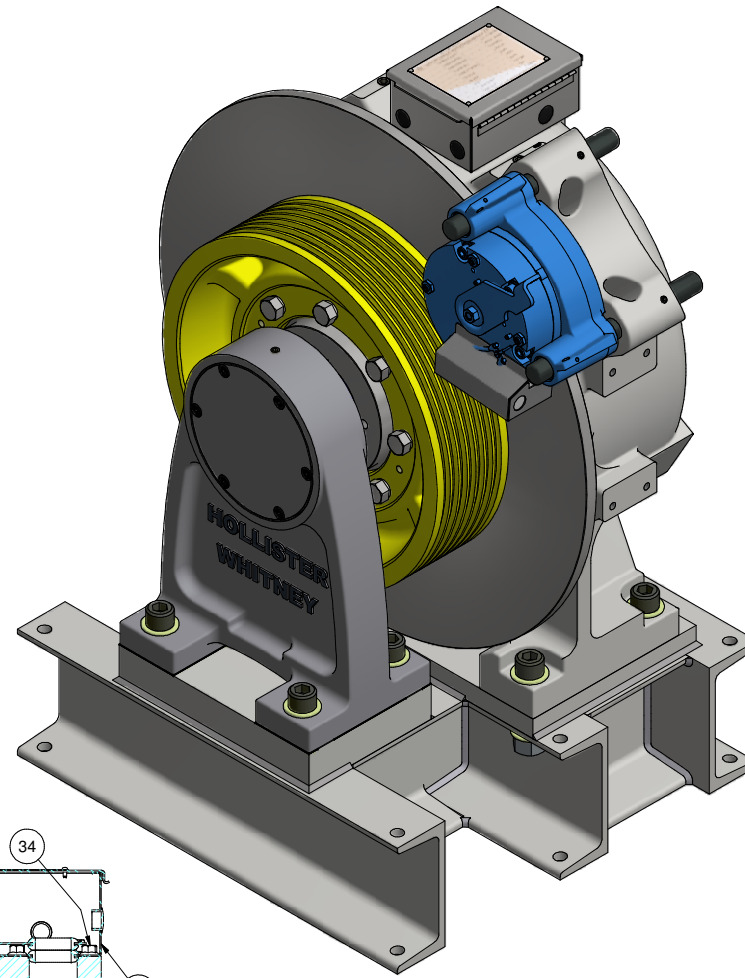
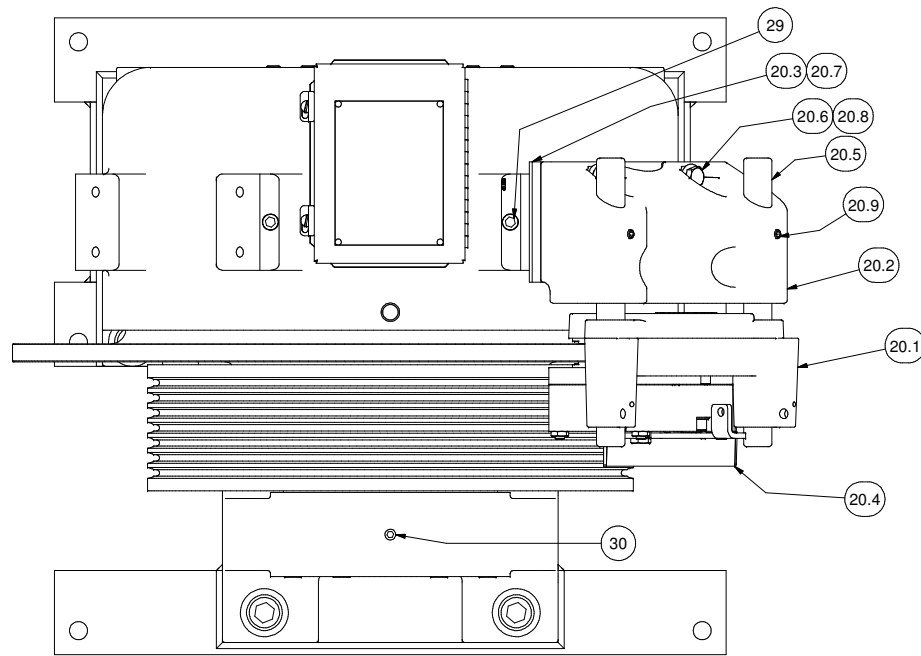
HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DRAWN BY LTL NA SCALE SEE OTHER SIDE MATERIAL SEE OTHER SIDE DIMENSIONAL TOL. 1 PLACE ±0.01, 2 PLACE ±0.005 3&4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150

SHEET D DATE 5/21/2014 SIZE GL101

SEE OTHER SIDE FOR
REVISIONS



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171B-01	BASE FABRICATION - FINISHED
2	1	GL130-001	BASE HOUSING, MOTOR #GL130
3	1	GL131-002	ROTOR ASSEMBLY, MOTOR #GL131
3.1	1	GL131-004	ROTOR
3.2	28	GL130-099	PERMANENT MAGNET - MOTOR #GL130
4	1	GL130A-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" TRACTION SHEAVE (WIDE)
7	1	GL131-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL100-095	KEY - ROTOR TO SHAFT
19	1	GL130-100	WINDING ASSEMBLY - 28 POLE
20	1	GL130-144	DISC BRAKE (MAYR #8) - MRL
20.1	1	GL130-144-115	MAYR #8; RSD8 510 03 52V8211833
20.2	1	144-001	BRAKE BASE
20.3	1	144-002	ADAPTOR PLATE - BRAKE BASE
20.4	1	144-003	COVER - MAYR #8 ELECTRICAL
20.5	2	144-012	BRAKE ROD
20.6	4	1/2 - 13 UNC x 1.75"	HEX HEAD CAP SCREW
20.7	4	1/2-13 UNC x 1.5"	FLAT HEAD CAP SCREW
20.8	4	1/2" WASHER	STANDARD WASHER
20.9	2	3/8-16 UNC x 0.625"	SET SCREW
21	As Nec	GL171-157-05	OUTBOARD STAND SHIM - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM - 0.031"
22	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
23	1	GL100-165	FELT DUST SEAL
24	2	1 - 8 UNC x 5"	SOCKET HEAD CAP SCREW
25	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
26	10	1" WASHER	SAE WASHER
27	2	1 - 8 UNC NUT	HEAVY HEX NUT
28	8	Washer GB 859-87 18	Single coil spring lock washers, Light type
29	2	3/4-10 UNCx0.75	HALF DOG SET SCREW
30	1	1/2-13 UNCx0.5	HALF DOG SET SCREW
31	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
32	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
33	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
34	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
35	6	3/8 WASHER	STANDARD LOCK
36	8	0.375 WASHER	CAP SCREW LOCK WASHER
37	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
38	4	#8 WASHER	INT. TOOTH LOCKWASHER
39	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

1:1 APPLICATIONS USING 2:1 WINDINGS						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL131-20L	GL130-170-200	90.6	130	170	101.9	533
GL131-20H	GL130-360-200	90.7	130	360	101.9	533
GL131-35L	GL130-170-350	93.1	130	170	178.3	933
GL131-35H	GL130-360-350	93	130	360	178.3	933

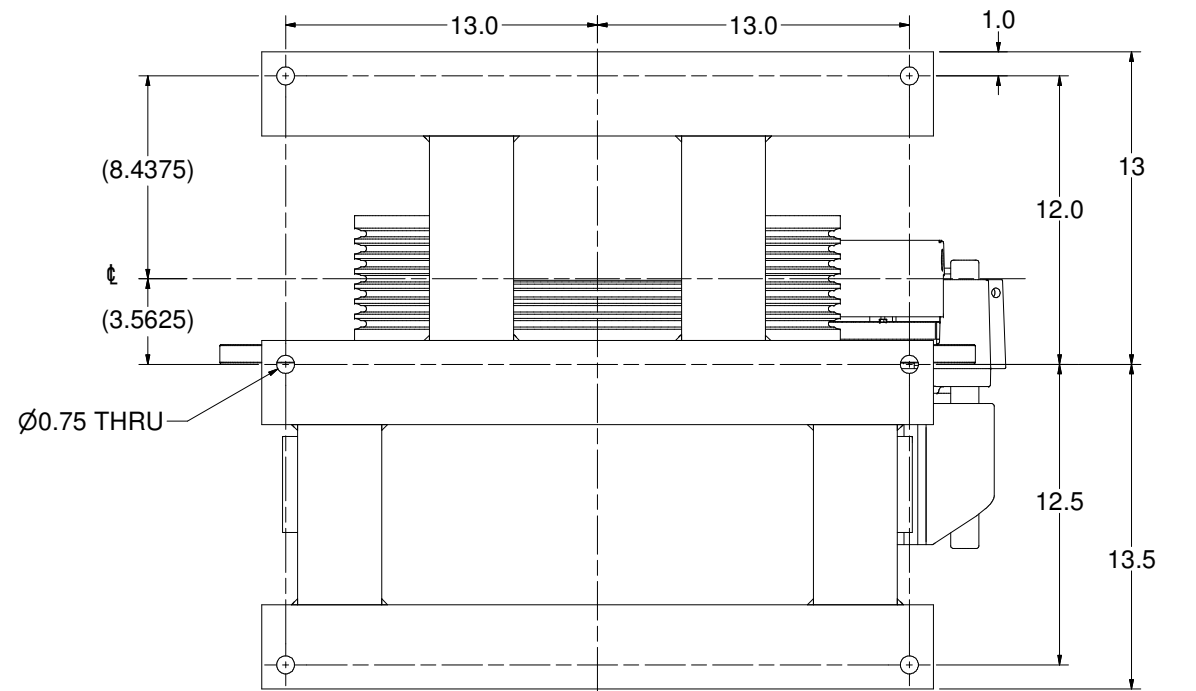
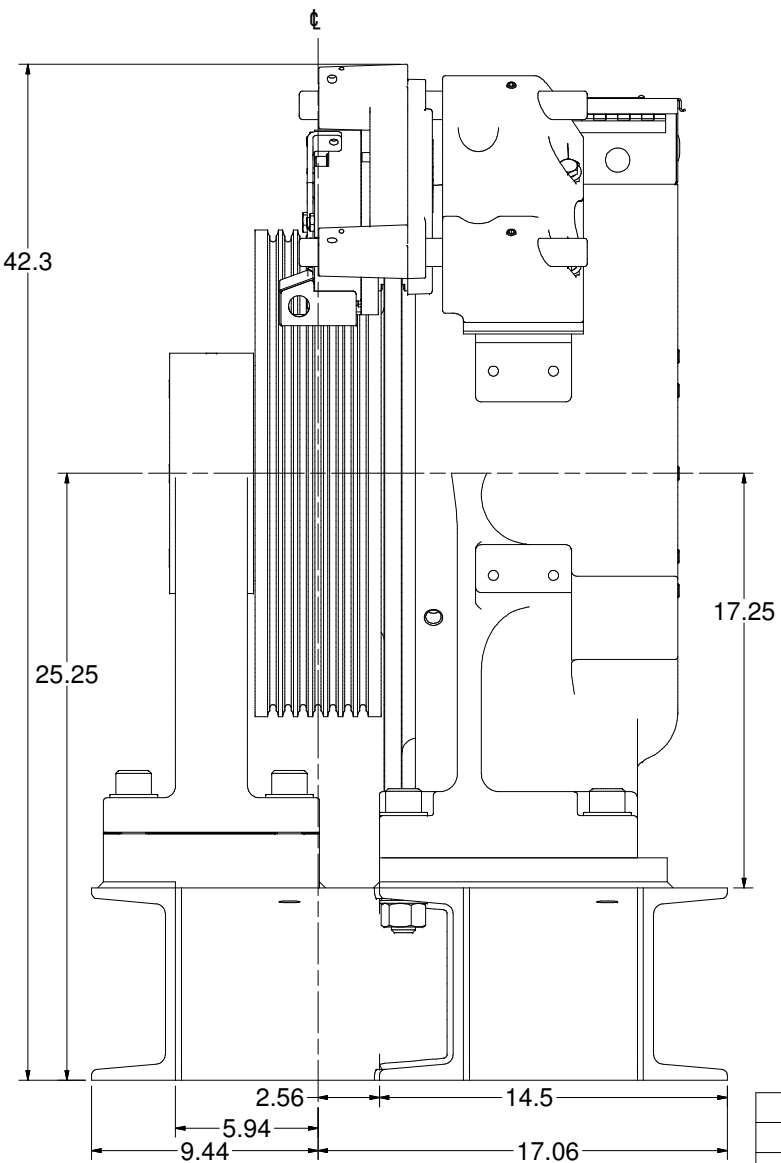
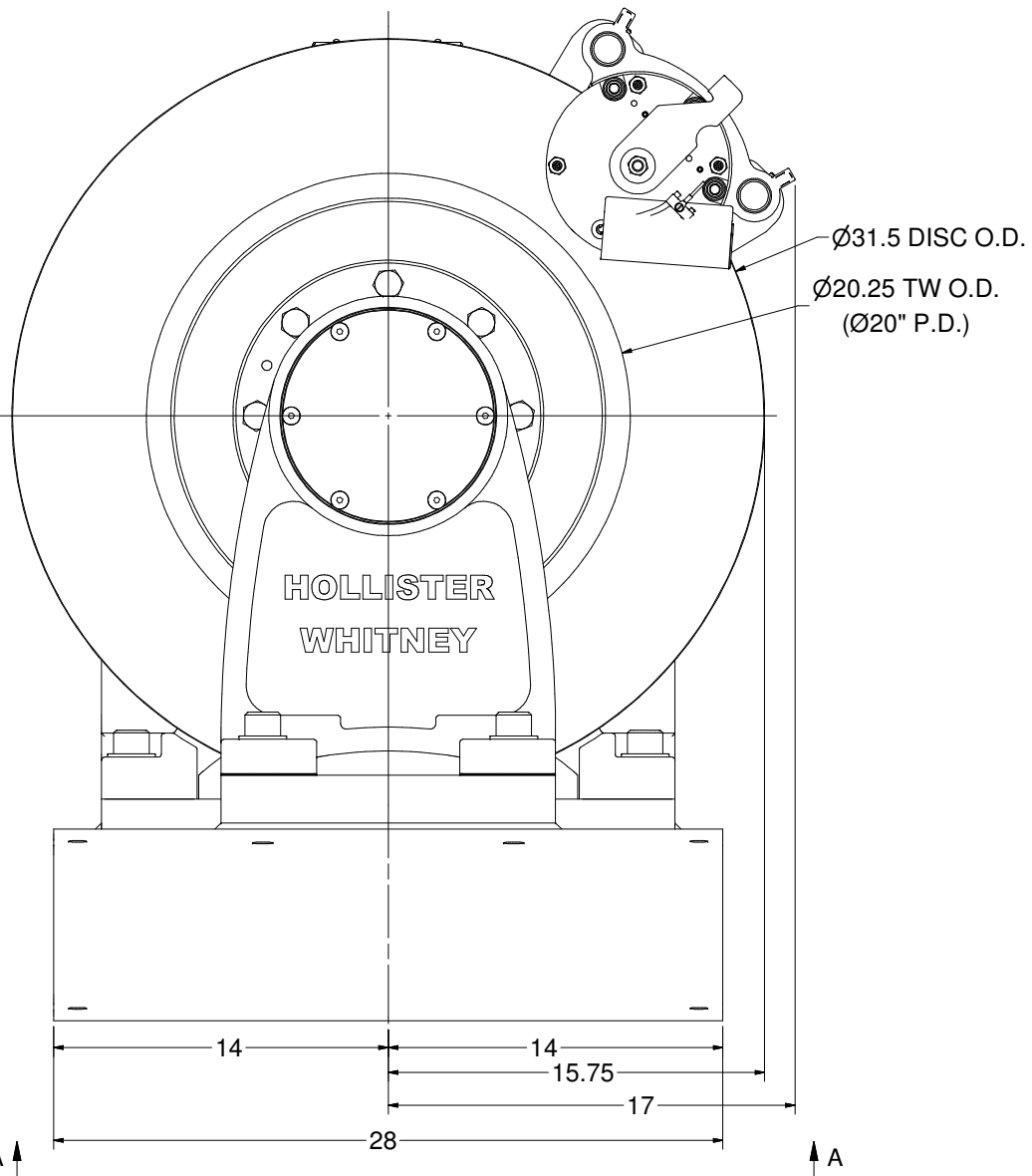
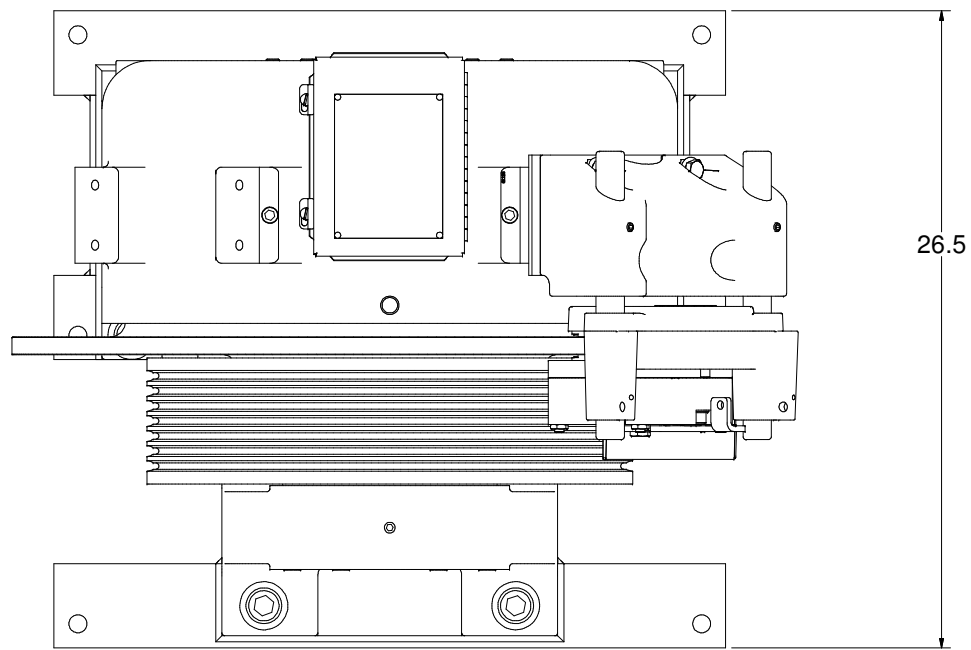
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HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1500# @ 50% CB,
1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED

DRAWN BY	SCALE	MATERIAL	DIMENSIONAL TOL.
B	LTL	N/A	1 PLACE ±0.01, 2 PLACE ±0.005 3&4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150
PRODUCTION RELEASE, PUR# 658	LTL	SHEET SIZE	DATE
	6/23/16	D	6/27/2014
	7/2/14		

GL131



VIEW A-A
SCALE 1/4

Weight: 2216.75 lbmass

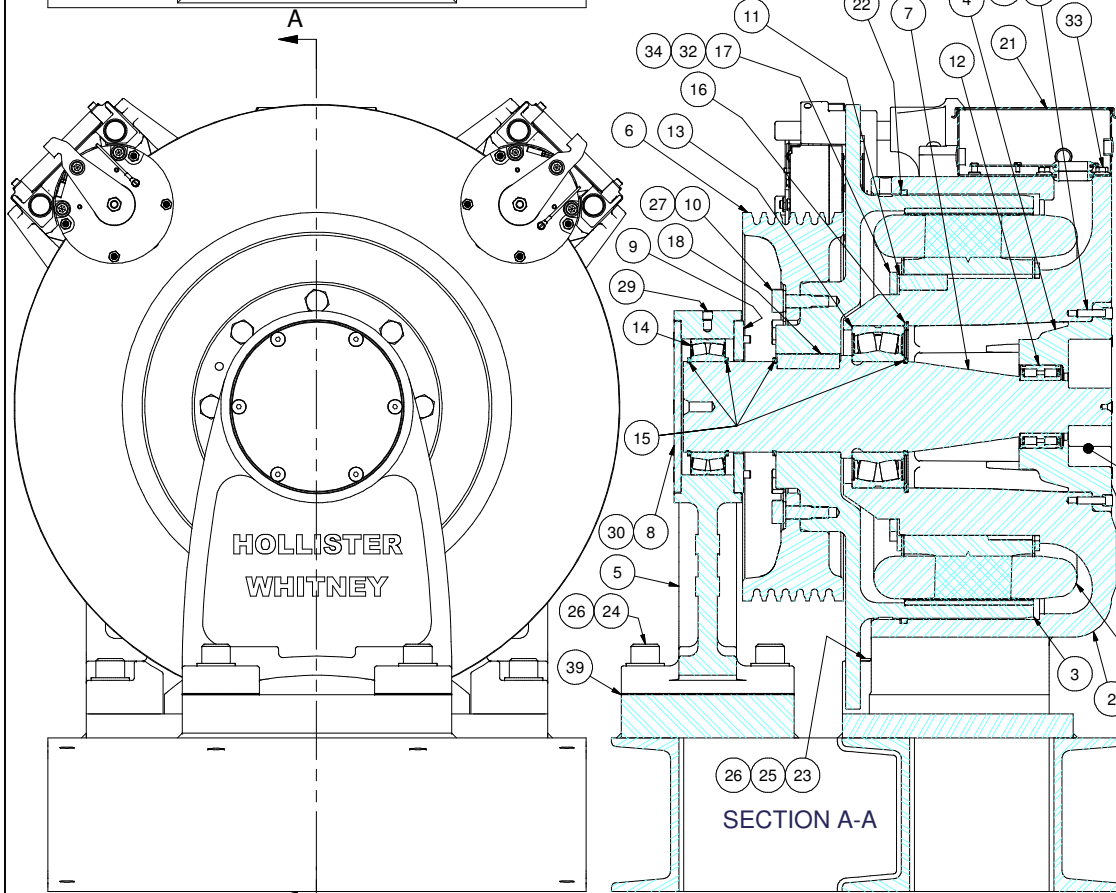
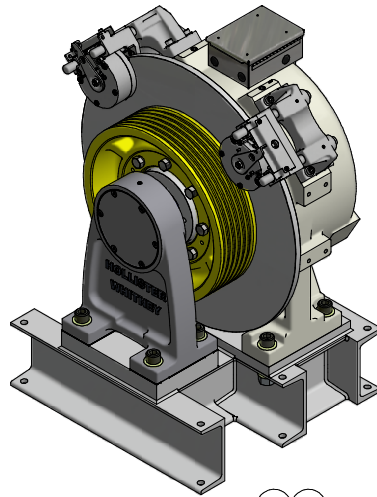
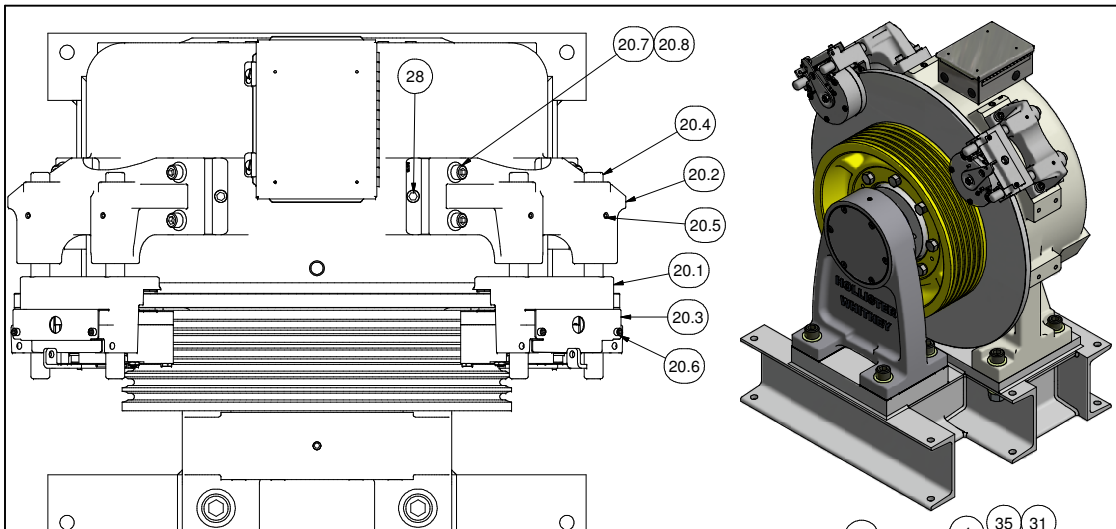
HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1500# @ 50% CB,
1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED

DRAWN BY LTL NA SCALE MATERIAL SEE OTHER SIDE DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3/4 PLACE ±0.001, ANGLES ±0.1
REF. OPEN, (NOMINAL) ± 0.0150

SHEET D DATE 6/27/2014 GL131

SEE OTHER SIDE
FOR
REVISIONS



SECTION A-A

MACHINE REQUIRES TWO (2) PRIMARY SERVICE BRAKES AND ONE (1) ROPE GRIPPER OR TWO (2) ADDITIONAL BRAKES FOR EMERGENCY SERVICE

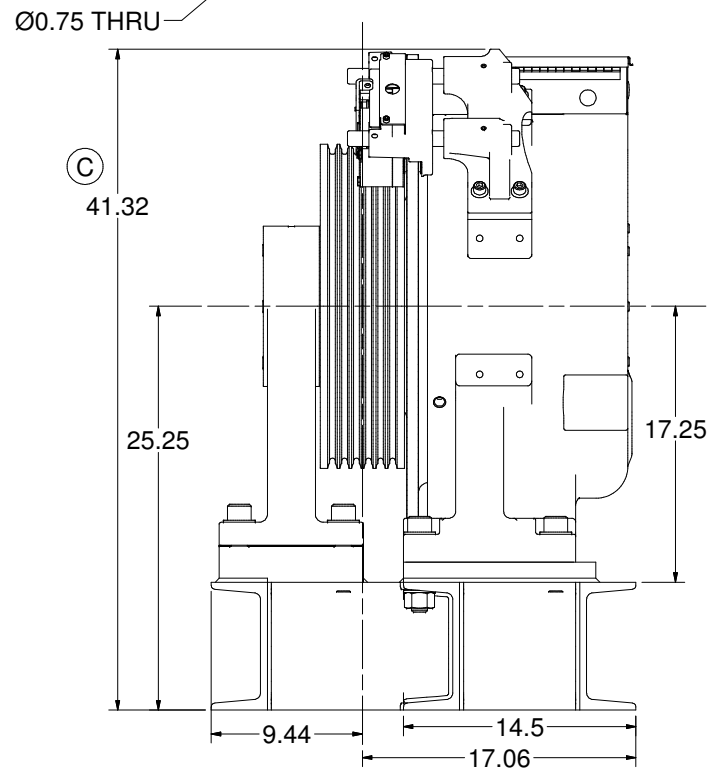
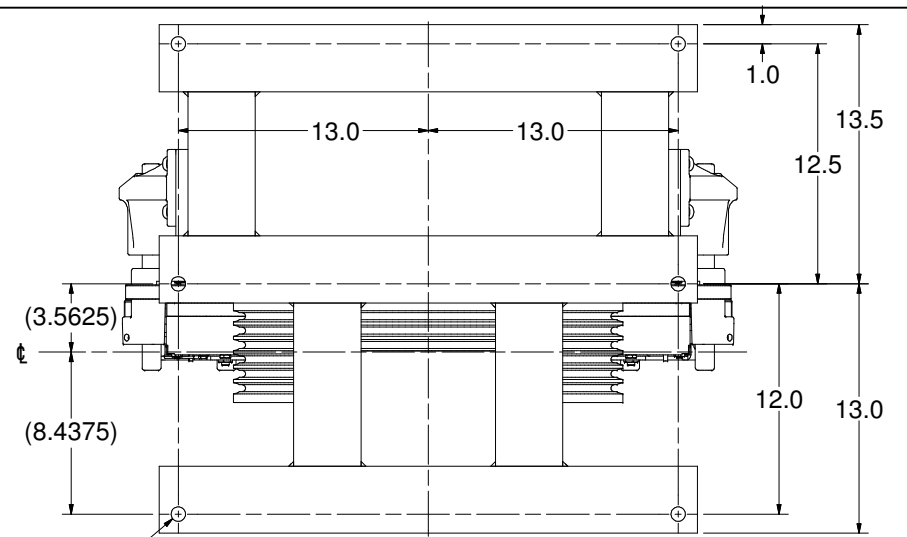
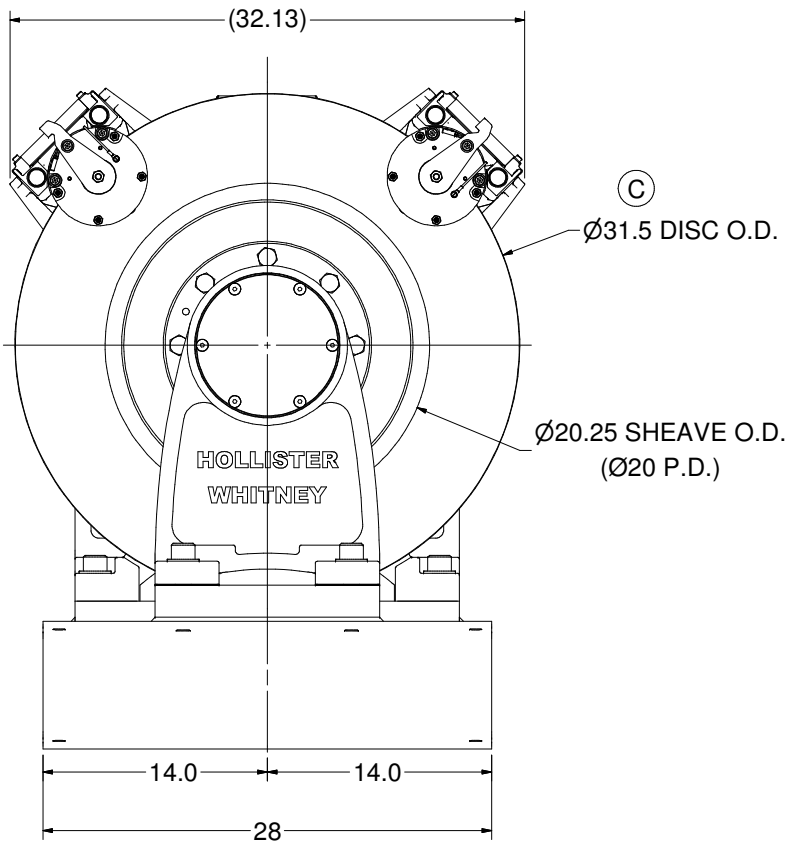
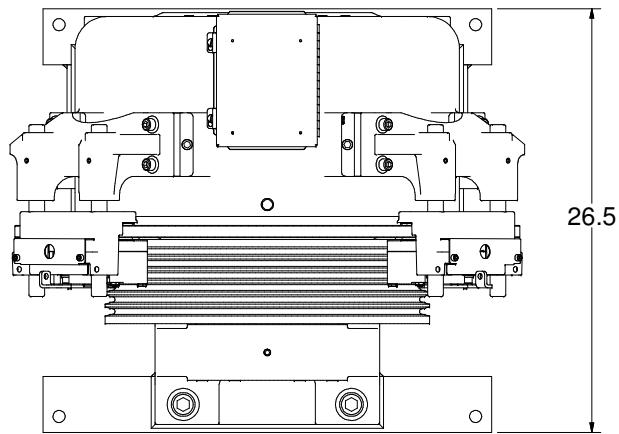
M	ADD SHIMS, GL185-019 WAS GL171-019, PUR #788	LTL 6/22/16	J	BRAKE UPDT, 1" BOLTS TO SHCS, ADD THRU BOLT, #608	LTL 8/21/13
L	EFFICIENCY UPDATE, #673	LTL 9/19/14	H	ADD EFFICIENCY TO WINDING CHART, PUR #592	LTL 4/18/13
K	REMOVE GL100-008, #648	LTL 5/20/14	G	GL171-095 WAS GL100-095, PUR #565	LTL 2/4/13

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171B-01	BASE FABRICATION - FINISHED
2	1	GL170-001	BASE HOUSING, MOTOR #GL170
3	1	GL171-002	ROTOR ASSEMBLY, MOTOR #GL171
4	1	GL130-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL171-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL100-089	Bearing, Sealed Double Row Cylindrical Roller
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL171-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL171-100	WINDING ASSEMBLY - 28 POLE (1:1 Application) SEE BELOW
		GL170-100	WINDING ASSEMBLY - 28 POLE (2:1 IN 1:1 APL) SEE BELOW
20	2	GL100-146	DISC BRAKE (MAYR #6) - MRL
20.1	2	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
20.2	2	142-001	BRAKE BASE
20.3	2	146-003	COVER - MAYR #6 ELECTRICAL
20.4	4	142-012	BRAKE ROD
20.5	4	3/8-16 UNC x 0.375	SET SCREW
20.6	2	M6 x 1.00 x 8mm	SHCS - Metric
20.7	4	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
20.8	4	1/2" WASHER	STANDARD WASHER
21	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
22	1	GL100-165	FELT DUST SEAL
23	2	1 - 8 UNC x 5"	SOCKET HEAD CAP SCREW
24	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
25	2	1 - 8 UNC NUT	HEAVY HEX NUT
26	10	1" WASHER	SAE WASHER
27	8	M18 LOCKWASHER-DIN 127B	HELICAL SPRING LOCK WASHER - BODY BOLT
28	2	3/4-10 UNC x 0.75	SET SCREW (HOLE PLUG)
29	1	1/2-13 UNC x 0.5	SET SCREW (HOLE PLUG)
30	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
31	8	3/8 - 16 UNC - 1 1/2	SOCKET HEAD CAP SCREW
32	6	3/8 - 16 UNC - 1	SOCKET HEAD CAP SCREW
33	4	3/8-16 UNC x 0.625	WHIZ BOLT
34	6	0.375 WASHER	HELICAL SPRING LOCK WASHER
35	8	0.375 WASHER	CAP SCREW LOCK WASHER
36	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
37	4	#8 WASHER	INT. TOOTH LOCKWASHER
38	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
39	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"

WINDINGS AS DESIGNED FOR 1:1 (20" TW 2000 LBS CAP., 15" TW 2650 LBS CAP.)						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (rpm)
GL171-20L	GL171-170-200	87	170	170	38.2	200
GL171-20H	GL171-360-200	87	170	360	38.2	200
GL171-40L	GL171-170-400	87	170	170	76.4	400
2:1 WINDINGS USED IN 1:1 APPLICATIONS (20" TW 1500 LBS CAP., 15" TW 2000 LBS CAP.)						
GL171-35L	GL170-170-350	93.9	170	170	178.3	933
GL171-35H	GL170-360-350	94	170	360	178.3	933

Weight: 2336.62 lbmass

F	ADD WHEEL & WINDING OPTIONS, PUR #554	LTL 12/28/12	HOLLISTER-WHITNEY ELEVATOR CO. TITLE GEARLESS MACHINE, 20" T.W., 2000# MAX CAP. 1:1 ROPED		
E	REMOVE GUARD (NOW SEPARATE ITEM), PUR #542	LTL 11/6/12			
D	UPDATE BRAKES, PUR #513	LTL 7/20/12			
C	UPDATE, INCREASED DISC & MACHINE HT, PUR #496	LTL 6/28/12			
B	ADD GL171-40L, UPDATE BRAKES PUR #493	LTL 5/9/12	DRAWN BY: LTL SCALE: NA MATERIAL: SEE PARTS LIST	DIMENSIONAL TOL. 1 PLACE ±0.01, 2 PLACE ±0.005, 3 & 4 PLACE ±0.001, ANGLES ±0.1 REF., OPEN, (NOMINAL) ±0.0156	
A	PRODUCTION RELEASE, PUR #470	LTL 10/26/11	SHEET SIZE: C DATE: 9/14/2011	GL171	



Weight: 2336.62 lbmass

HOLLISTER-WHITNEY

ELEVATOR CO.

TITLE
GEARLESS MACHINE, 20" T.W., 2000# MAX
CAP. 1:1 ROPED

DRAWN BY SCALE MATERIAL

SEE OTHER SIDE

DIMENSIONAL TOL.
1 PLACE ±0.01; 2 PLACE ±0.005;
3 & 4 PLACE ±0.001; ANGLES ±0.1°
REF., OPEN, (NOMINAL) ± 0.0156

LTL

NA

SHEET

SIZE

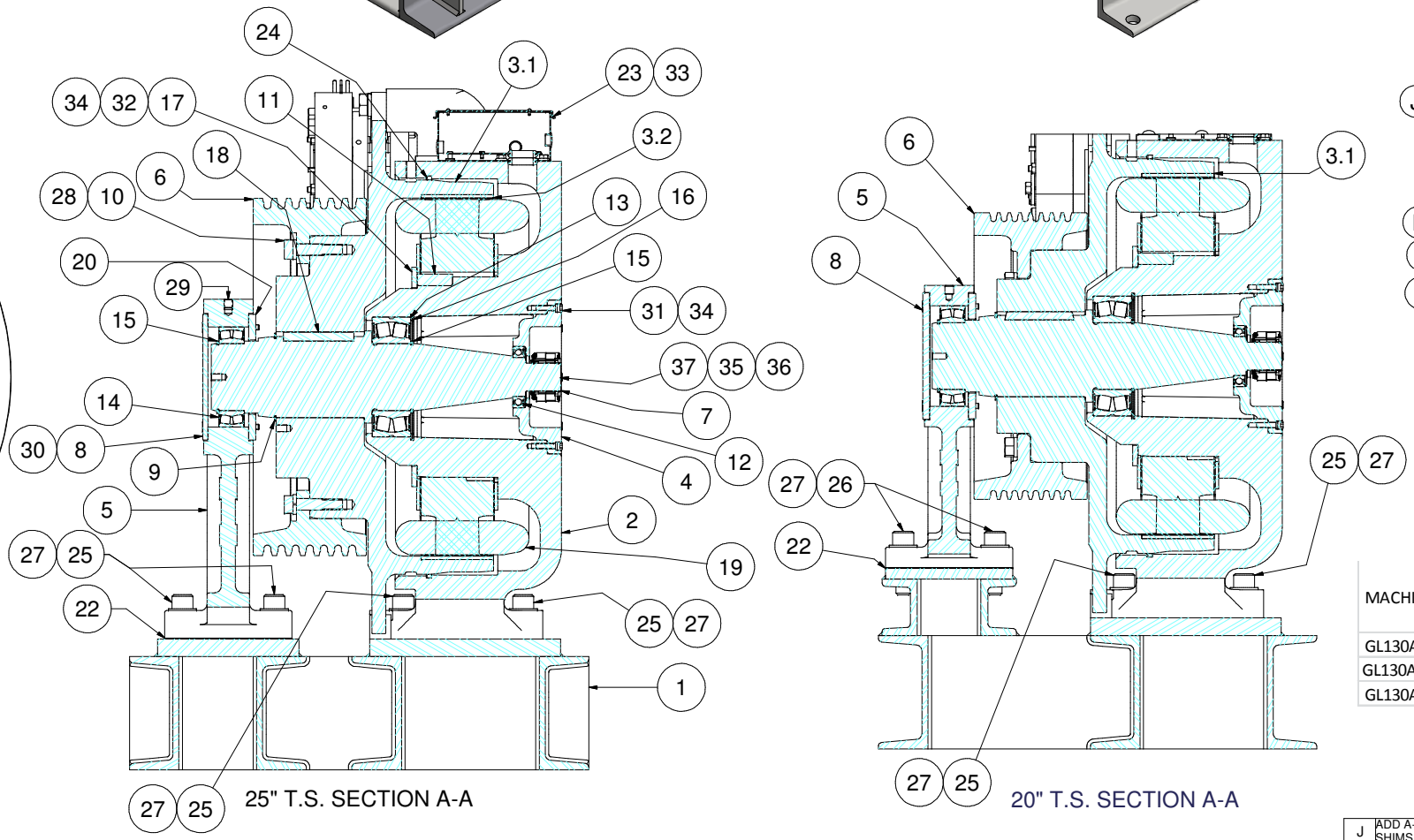
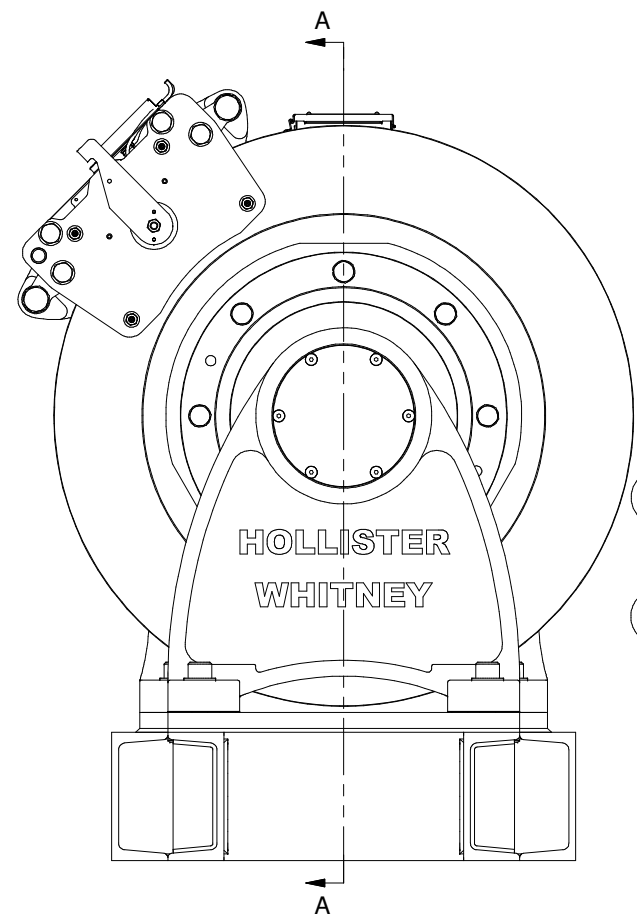
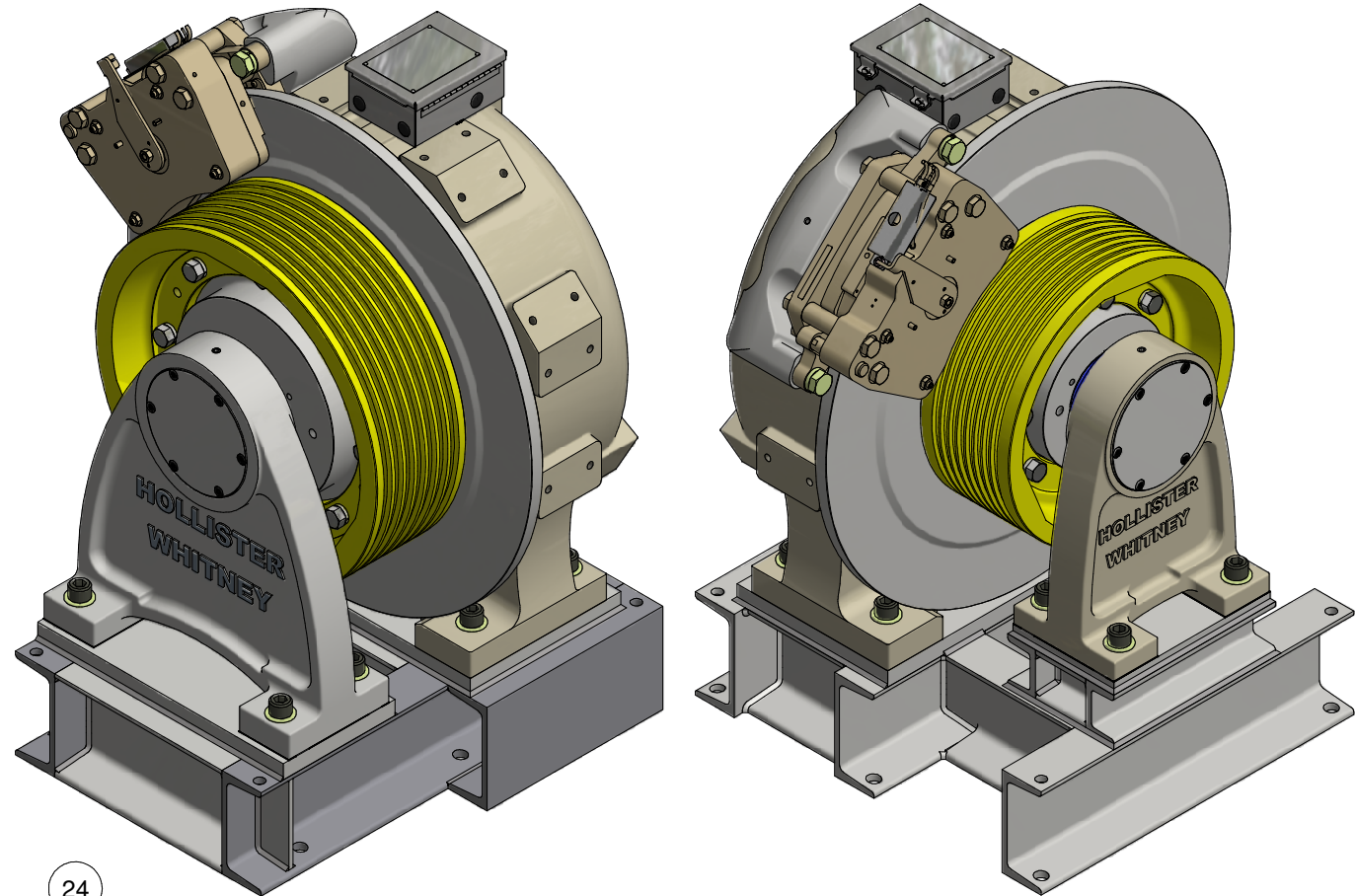
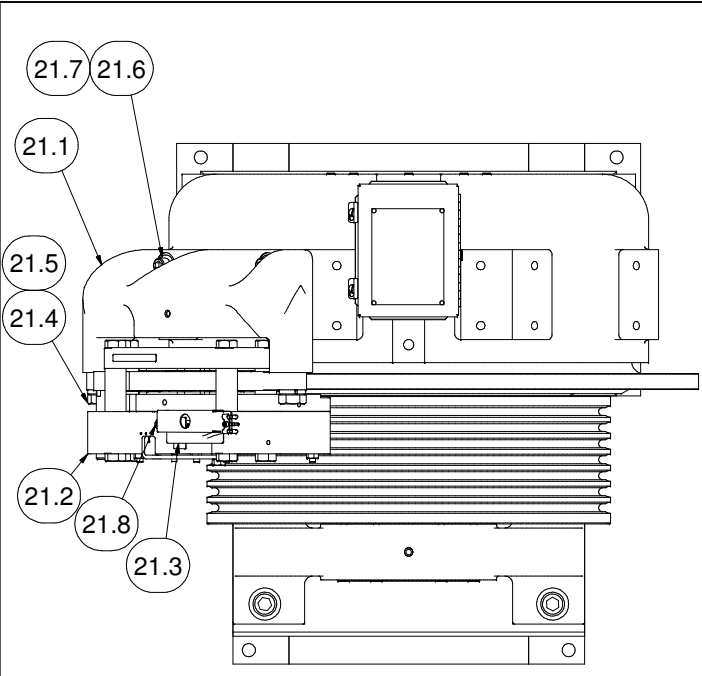
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DATE

9/14/2011

SEE OTHER SIDE FOR REVISIONS

GL171



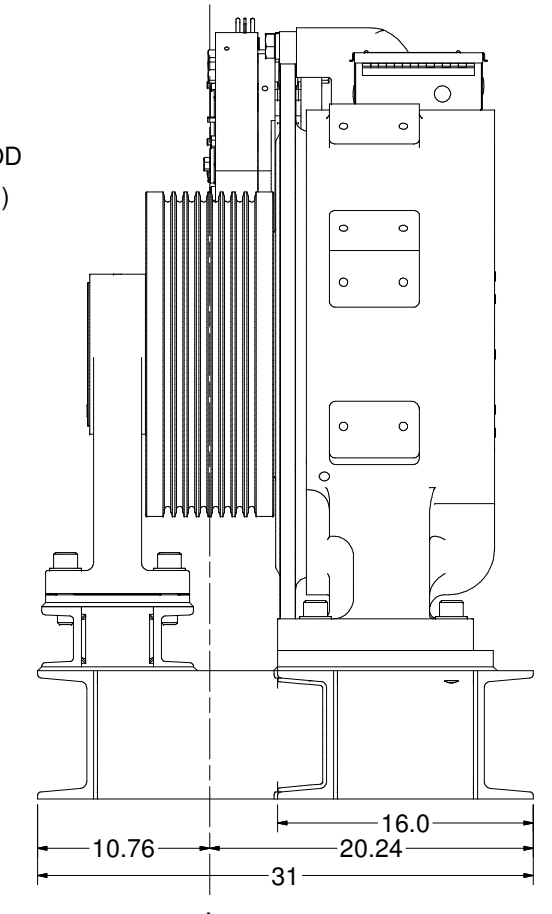
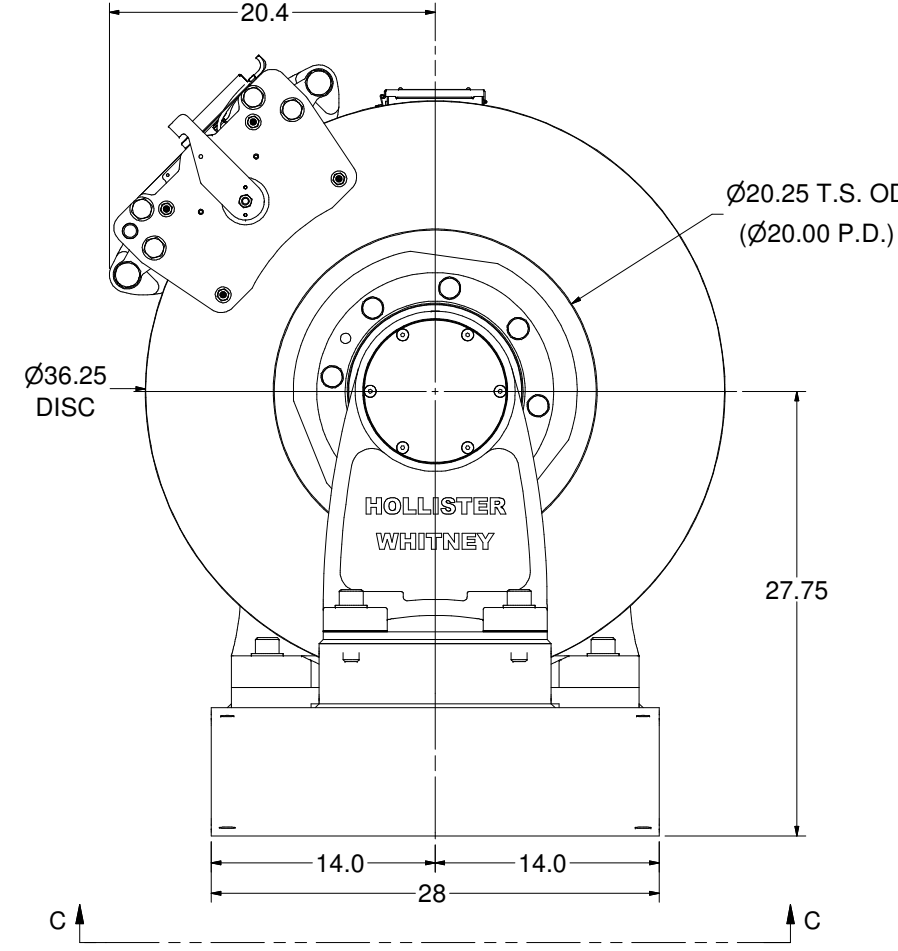
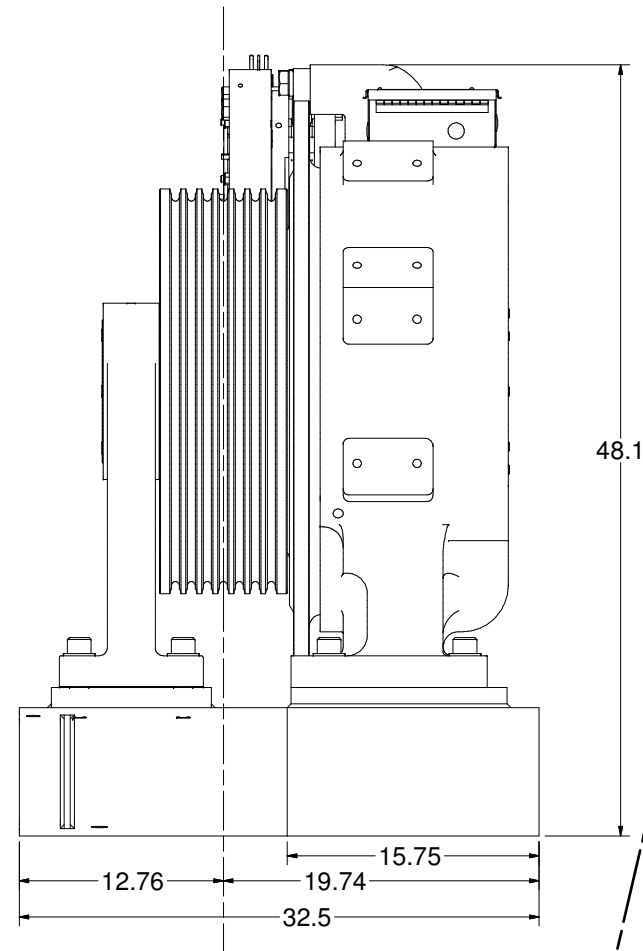
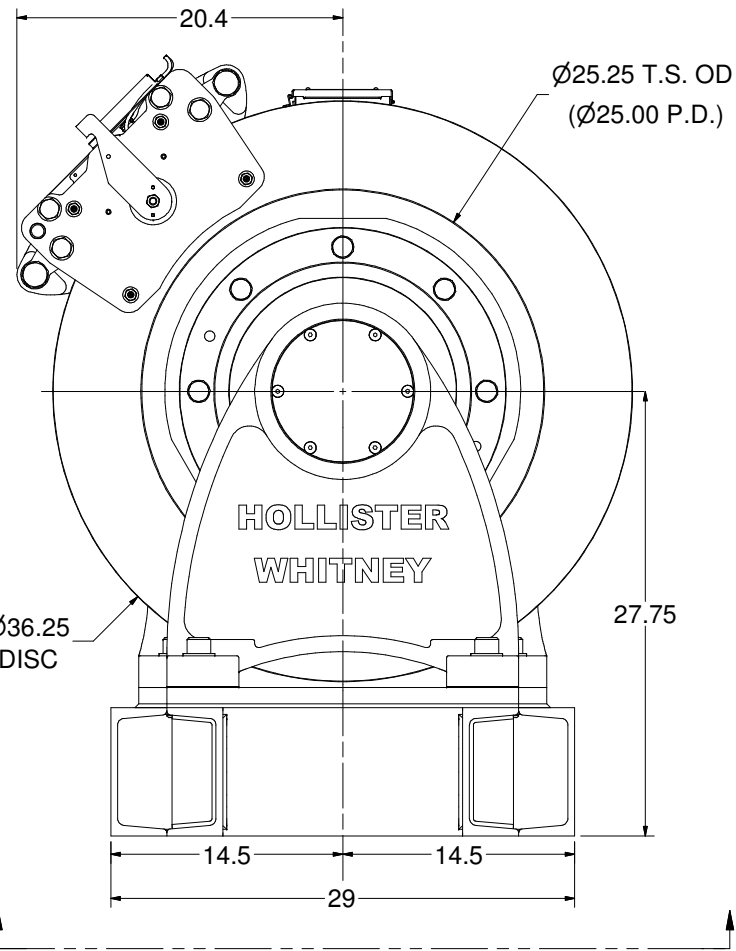
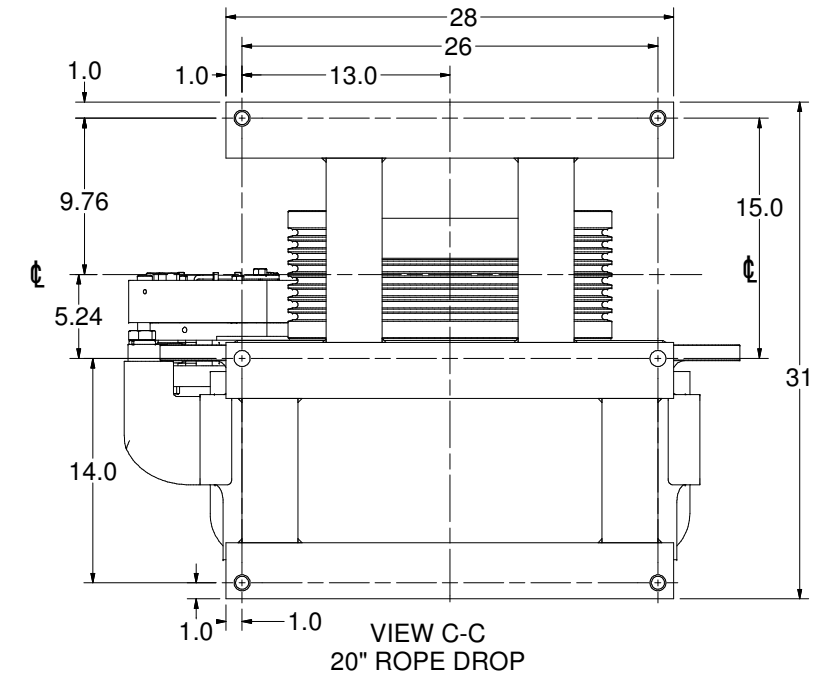
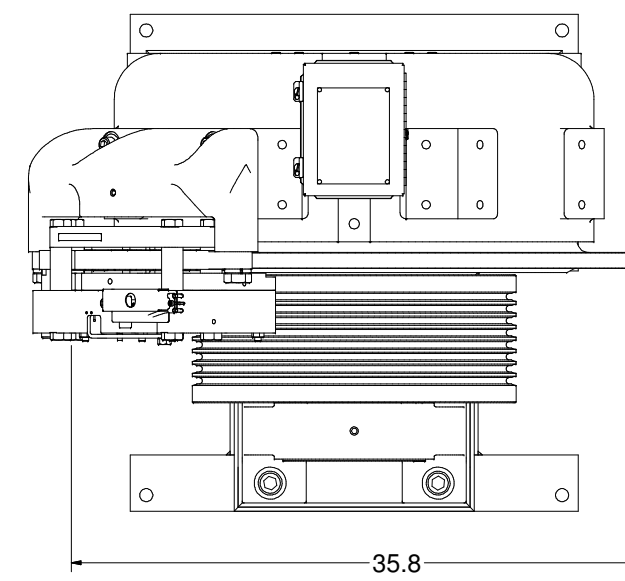
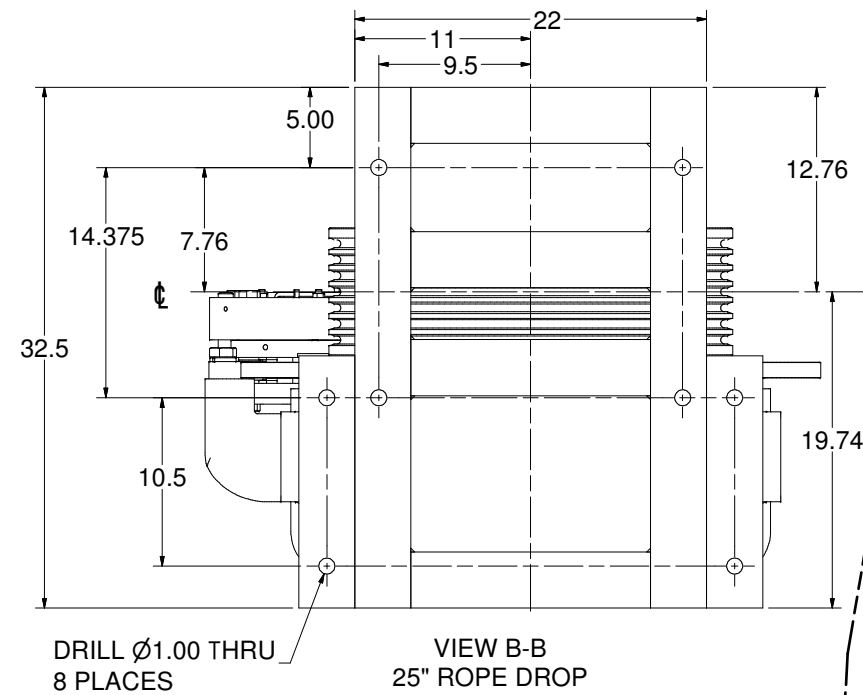
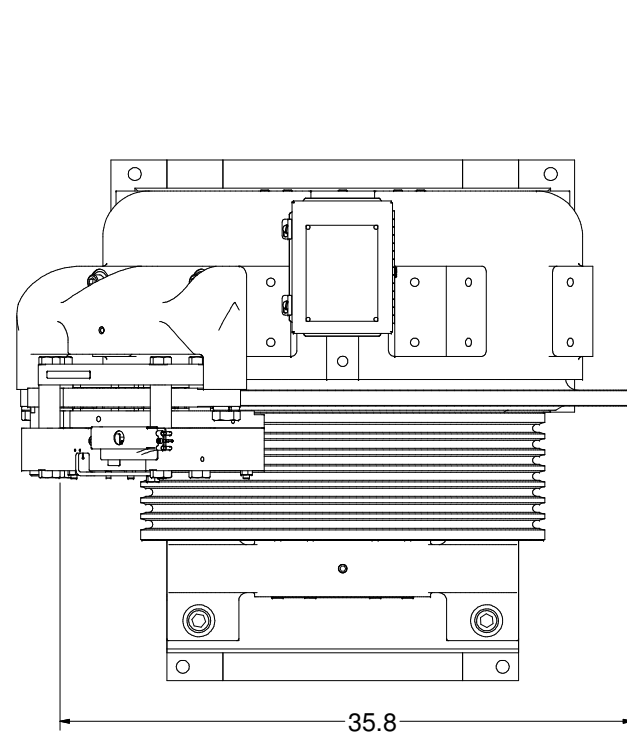
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL130AB-01	FINISHING BASE, GL130A, 25" T.S. 2000 lb Cap.
	1	GL130AB-03	FINISHING BASE, GL130A, 20" T.S. 2500 lb Cap.
2	1	GL130A-001	BASE HOUSING, MOTOR #GL130A
	1	GL130A-002	ROTOR ASSEMBLY - #GL130A, 25" T.S. 2000 lb Cap.
3	1	GL130A-002-1	ROTOR ASSEMBLY - #GL130A, 20" T.S. 2500 lb Cap.
	3.1	GL130A-004	ROTOR - GL130A, 25" T.S.
	1	GL130A-004-1	ROTOR - GL130A, 20" T.S.
3.2	40	GL260-099	PERMANENT MAGNET - #GL260 & GL130A MOTORS
	1	GL130A-005	BEARING CAP
4	1	GL185-006	OUTBOARD STAND, 25" T.S. 2000 lb Cap.
	1	GL171-006	OUTBOARD STAND, 20" T.S. 2000 lb Cap.
5	1	GL185-008	SHEAVE, 25"
	1	GL130A-008	SHEAVE, 20"
6	1	GL130A-018	MAIN SHAFT - GL130A 1:1 MACHINE
7	1	GL185-019	END CAP, OUTBOARD STAND, 25" T.W.
	1	GL171-019	END CAP, OUTBOARD STAND, 20" T.W.
8	1	GL185-020	RETAINING RING - ROTOR
9	1	GL185-073	BODY BOLT
10	8	GL100-088	KEY - STATOR CORE TO BASE
11	1	GL185-089	BEARING, SEALED SR DEEP GROOVE BALL
12	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
13	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
14	1	GL130-092	RETAINING RING - SHAFT
15	2	GL130-093	RETAINING RING - HOUSING
16	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
17	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
18	1	GL130A-100	WINDING ASSEMBLY
19	1	GL185-104	INBOARD CAP, OUTBOARD STAND, 25" T.W.
20	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21	1	143-001	BRAKE BASE
21.1	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.2	1	143-003	ELECTRICAL COVER
21.3	2	1-8 UNC - 3.25	Hex Cap Screw
21.4	4	1" WASHER	Helical Spring Lock Washers
21.5	4	5/8 - 11 UNC - 2.5	HEX HEAD CAP SCREW
21.6	4	5/8" WASHER	STANDARD WASHER
21.7	4	M10 - 1.5 - 12 mm	SOCKET HEAD CAP SCREW
21.8	4	143-026	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)
21.9	AS	143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	AS	GL185-157-05	OUTBOARD STAND SHIM - 0.005" GL185 A-STAND, 25" T.W.
	AS	GL185-157-10	OUTBOARD STAND SHIM - 0.010" GL185 A-STAND, 25" T.W.
	AS	GL185-157-31	OUTBOARD STAND SHIM - 0.031" GL185 A-STAND, 25" T.W.
	AS	GL171-157-05	OUTBOARD STAND SHIM - 0.005" GL171 A-STAND, 20" T.W.
	AS	GL171-157-10	OUTBOARD STAND SHIM - 0.010" GL171 A-STAND, 20" T.W.
23	AS	GL171-157-31	OUTBOARD STAND SHIM - 0.031" GL171 A-STAND, 20" T.W.
	1	GL100-159	HOFFMAN ELECTRICAL ENCLOSURE
24	1	GL100-165-1	FELT DUST SEAL
25	8	1-8 UNC - 4	SH CAP SCREW, GL130A, 25" T.W., BASE & A-STAND
	4	1-8 UNC - 3.5	SH CAP SCREW, GL130A1, 20" T.W., BASE ONLY
26	4	1-8 UNC - 3.5	SH CAP SCREW, GL130A1, 20" T.W., GL 171 A-STAND
27	8	1 WASHER	SAE WASHER
28	8	13/16 WASHER	Heavy Helical Spring Lock Washers(Inch Series)
29	1	5/8-11 UNC x 0.625	Set Screw - Flat Point
30	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
31	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
32	6	3/8 - 16 UNC x 1.25	SOCKET HEAD CAP SCREW
33	4	3/8-16 UNC x 0.5	WHIZ BOLT
34	14	3/8 Lock Washers	High-Collar Helical Spring Lock Washers
35	4	No. 8 - 32 UNC - 1/4	Socket Head Cap Screw
36	4	#8 LOCK WASHER	EXT. TOOTH LOCK WASHER
37	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED 20" (fpm)	CAR SPEED 25" (fpm)
GL130A-20L	GL130A-170-200	90	130A/130	170	38.2	200	250
GL130A-20H	GL130A-360-200	90	130A/130	360	38.2	200	250
GL130A-40L	GL130A-170-400	91	130A/130	170	76.4	400	500

Max. Est. Weight: 3824.22 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.
GEARLESS MACHINE, 2500# CAP w/ 20" TW,
2000# CAP w/25" TW; 1:1 ROPED

REV	DATE	DESCRIPTION	BY	SCALE	MATERIAL	DIMENSIONAL TOL.
F	8/13/13	UPDATE 1" BOLTS TO SHCS & LENGTH, PUR #608	LTL			1 PLACE ±0.01, 2 PLACE ±0.005
E	4/18/13	ADD EFFICIENCY TO WINDING CHART, PUR #592	LTL			3/4 PLACE ±0.001, ANGLES ±0.1°
D	10/26/12	GL100-159 LOCATION UPDATE, PUR #565	LTL			REF. OPEN, (NOMINAL) ± 0.0150
C	10/26/12	GL100-159 WAS GL185-159, PUR #538	LTL			
B	9/5/12	UPDATE BRAKE, REMOVE 1 BRAKE, PUR #513	LTL			
A	5/9/12	ADD GL130A-40L MACHINE, PUR #493	LTL			



25" SHEAVE
2000# CAP. MAX

GL130A Mass: 3828 lbmass

20" SHEAVE
2500# CAP. MAX

GL130A1 Mass: 3429 lbmass

Max. Est. Weight: 3824.22 lbmass

HOLLISTER-WHITNEY

ELEVATOR CO.

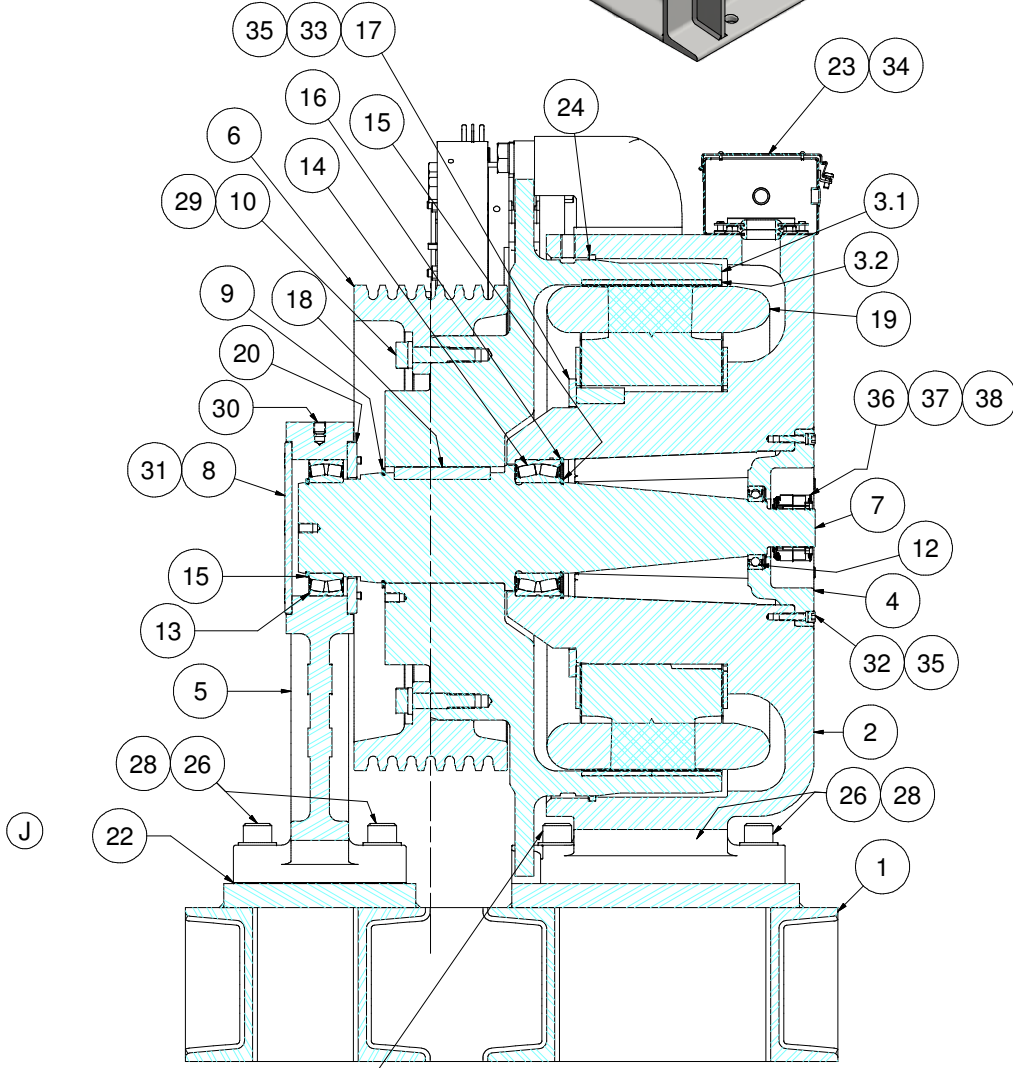
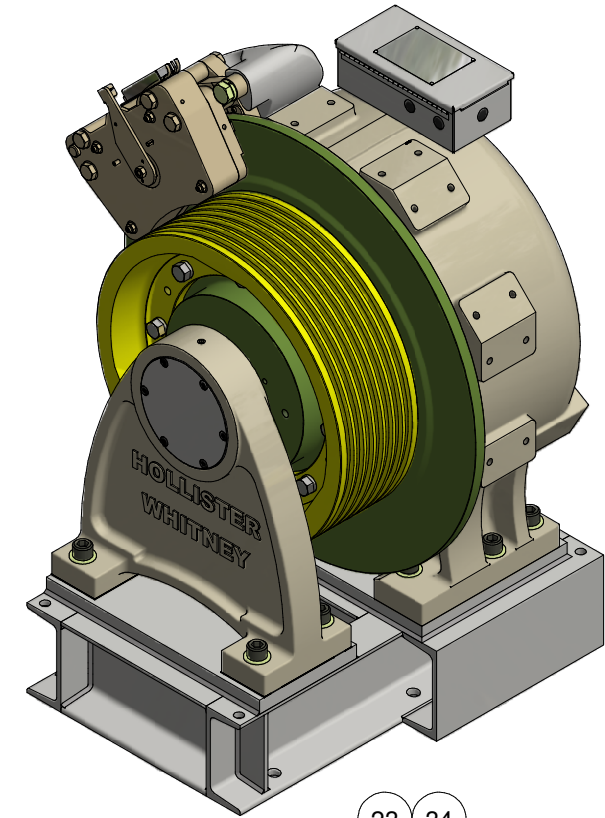
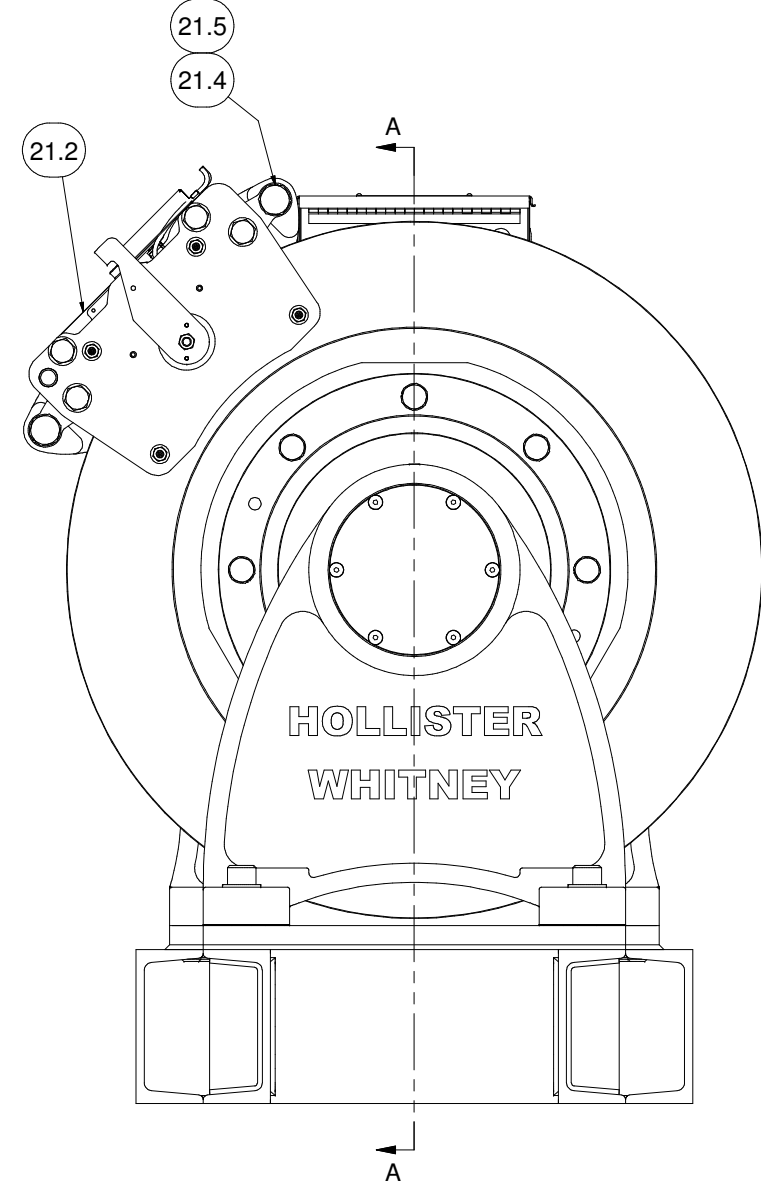
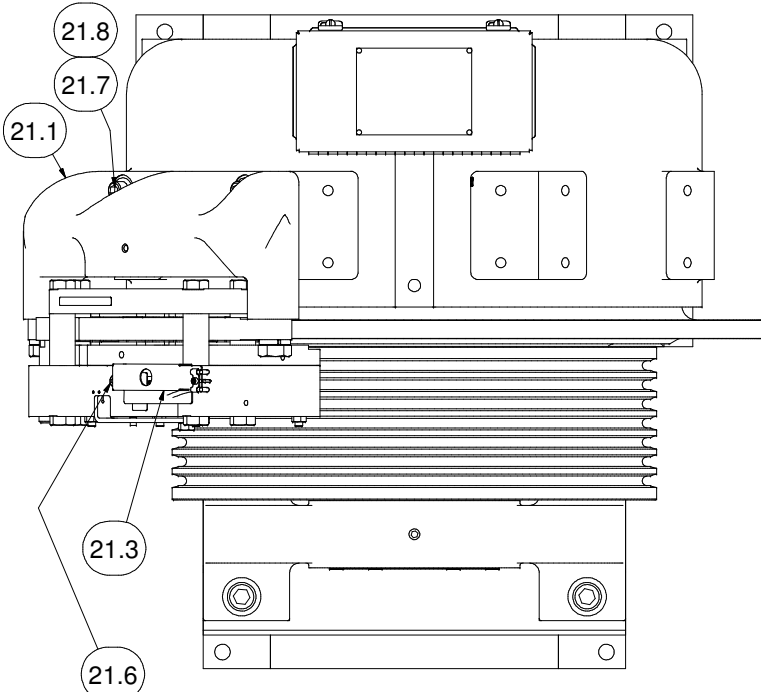
GEARLESS MACHINE, 2500# CAP w/ 20" TW,
2000# CAP w/ 25" TW; 1:1 ROPED

DRAWN BY LTL NA SCALE SEE PARTS LIST OTHER SIDE MATERIAL SIDE DIMENSIONAL TOL. 1 PLACE ± 0.01 , 2 PLACE ± 0.005 3/8 PLACE ± 0.001 , ANGLES ± 0.1 REF. OPEN, (NOMINAL) ± 0.0150

SEE OTHER SIDE FOR UPDATES

SHEET D DATE 11/11/2011

GL130A



25" T.W. SECTION A-A (GL185)
3000 LBS MAX CAPACITY 1:1
WEIGHT: 4280.04 lbmass

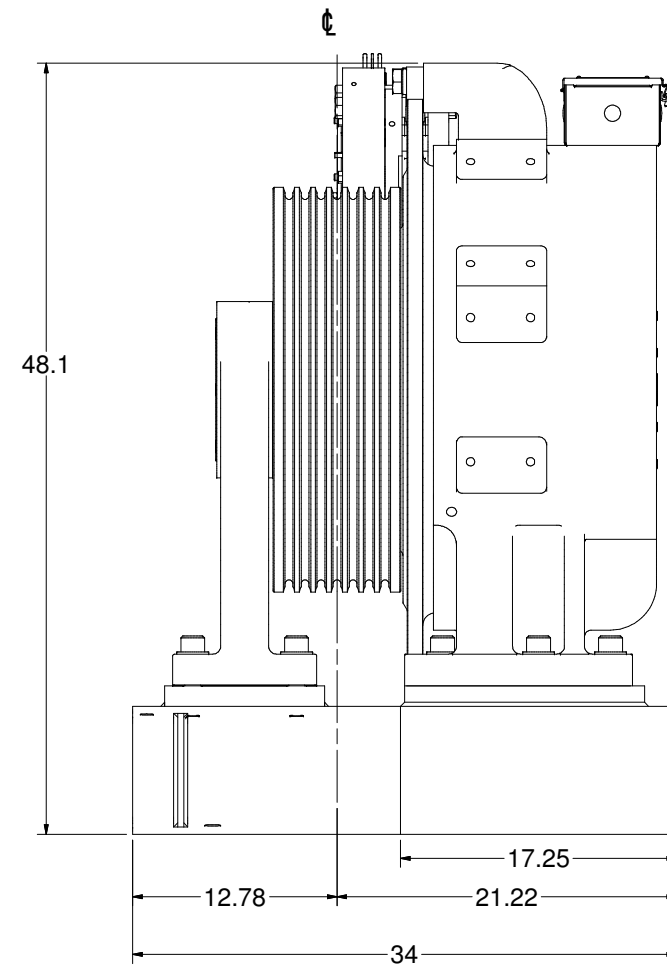
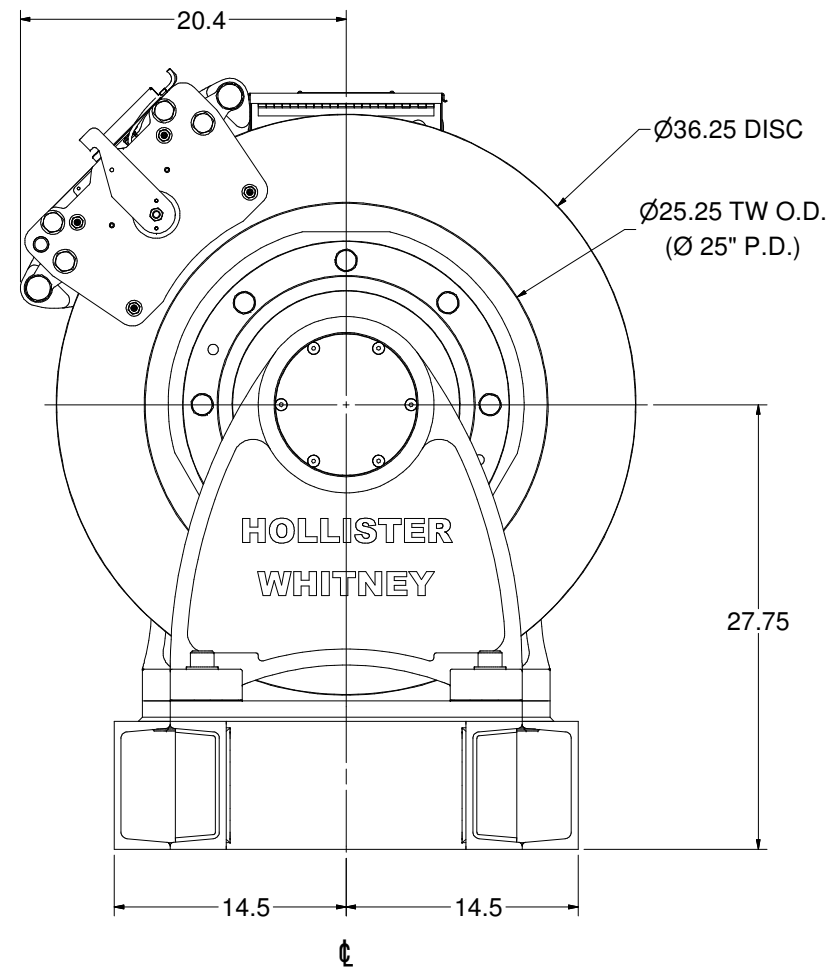
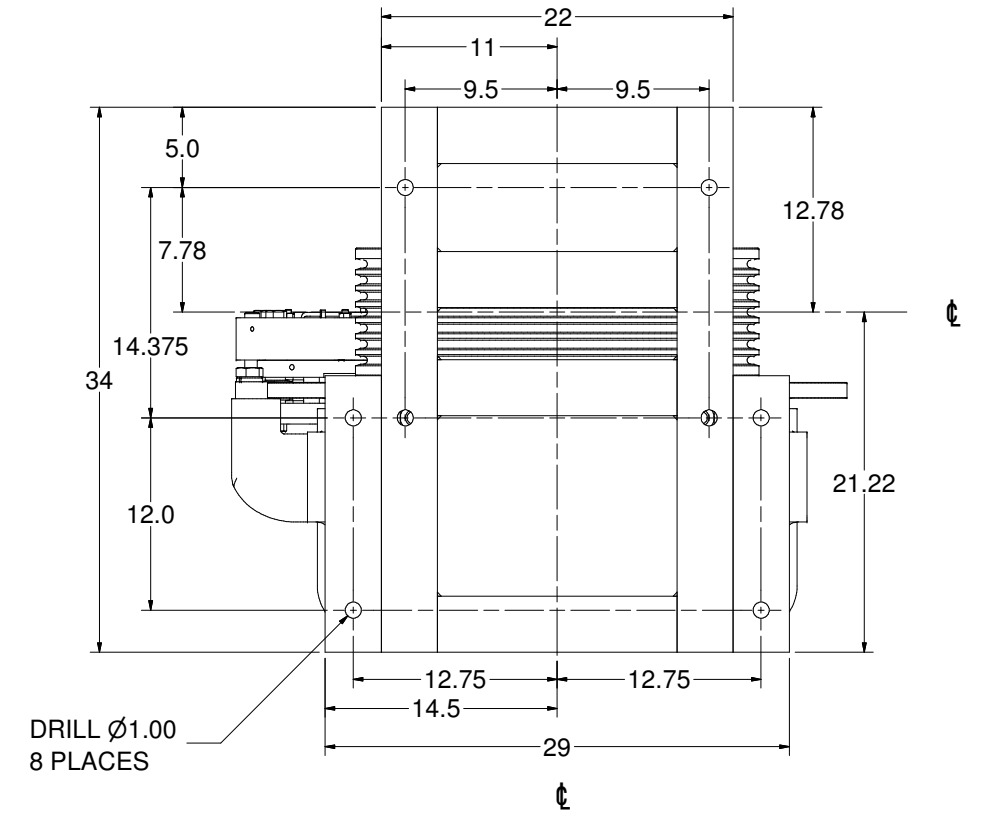
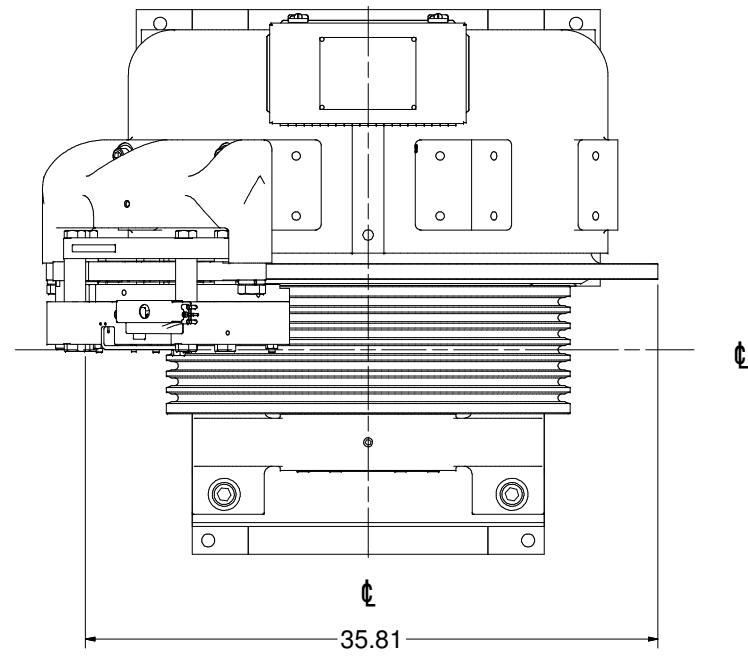
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL185B-01	FINISHING BASE, GL185, 25" T.W. 3000 LBS CAP.
2	1	GL185-001	BASE HOUSING, MOTOR #GL185
3	1	GL185-002	ROTOR ASSEMBLY - #GL185, 25" T.W. 3000 LBS CAP.
3.1	1	GL185-004	ROTOR - #GL185, 25" T.W. 3000 LBS CAP.
3.2	80	GL185-099	PERMANENT MAGNET - MOTOR #GL185
G 4	1	GL260-005	BEARING CAP
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS, 25" T.W.
6	1	GL185-008	25" TRACTION WHEEL
7	1	GL185-018	MAIN SHAFT - GL185 1:1 MACHINE
8	1	GL185-019	END CAP, OUTBOARD STAND, 25" T.W.
9	1	GL185-020	RETAINING RING - ROTOR
10	8	GL185-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
G 12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
H 13	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
H 14	1	GL185-091	BEARING, SEALED SPHERICAL ROLLER
15	2	GL130-092	RETAINING RING - SHAFT
16	1	GL100-093	RETAINING RING - HOUSING
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL185-100	WINDING ASSEMBLY - 40 POLE
20	1	GL185-104	INBOARD CAP, OUTBOARD STAND, 25" T.W.
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21.1	1	143-001	BRAKE BASE
21.2	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.3	1	143-003	COVER - MAYR #10 ELECTRICAL
21.4	2	1 - 8 UNC x 3.5"	HEX HEAD CAP SCREW
21.5	2	1" WASHER	STANDARD LOCK WASHER
21.6	1	M10 x 1.5 x 12 mm	SHCS - METRIC
21.7	4	5/8 - 11 UNC x 2.5"	SOCKET HEAD CAP SCREW
21.8	4	5/8 WASHER	STANDARD WASHER
J 21.9	AS	143-026	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)
NEC		143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	1	GL185-159	HOFFMAN ELECTRICAL ENCLOSURE, A12064CH MODIFIED
J 23	AS	GL185-157-05	OUTBOARD STAND SHIM - 0.005" GL185 A-STAND, 25" T.W.
NEC		GL185-157-10	OUTBOARD STAND SHIM - 0.010" GL185 A-STAND, 25" T.W.
		GL185-157-31	OUTBOARD STAND SHIM - 0.031" GL185 A-STAND, 25" T.W.
24	1	GL100-165-1	FELT DUST SEAL
F 25	2	1 - 8 UNC x 5.5"	SOCKET HEAD CAP SCREW
F 26	8	1 - 8 UNC x 4"	SOCKET HEAD CAP SCREW, 25" T.W., BASE & A-STAND
F 27	2	1 - 8 UNC NUT	HEAVY HEX NUT
28	12	1" WASHER	SAE WASHER
29	8	13/16 WASHER	HEAVY LOCK WASHER
30	1	5/8-11 UNC x 0.625	HALF DOG SET SCREW
31	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
32	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
33	6	3/8 - 16 UNC x 1.25	SOCKET HEAD CAP SCREW
34	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
35	12	0.375 WASHER	CAP SCREW LOCK WASHER
36	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
37	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
38	4	#8 LOCK WASHER	EXT. TOOTH LOCK WASHER

E

MACHINE WINDINGS GL185-100						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED 25" TW(fpm)
GL185-35L	GL185-170-350	90	185	170	53.5	350
GL185-35H	GL185-360-350	90	185	360	53.5	350
GL185-50L	GL185-170-500	90	185	170	76.4	500
GL185-50H	GL185-360-500	90	185	360	76.4	500
GL185-70L	GL185-170-700	90	185	170	107.0	700

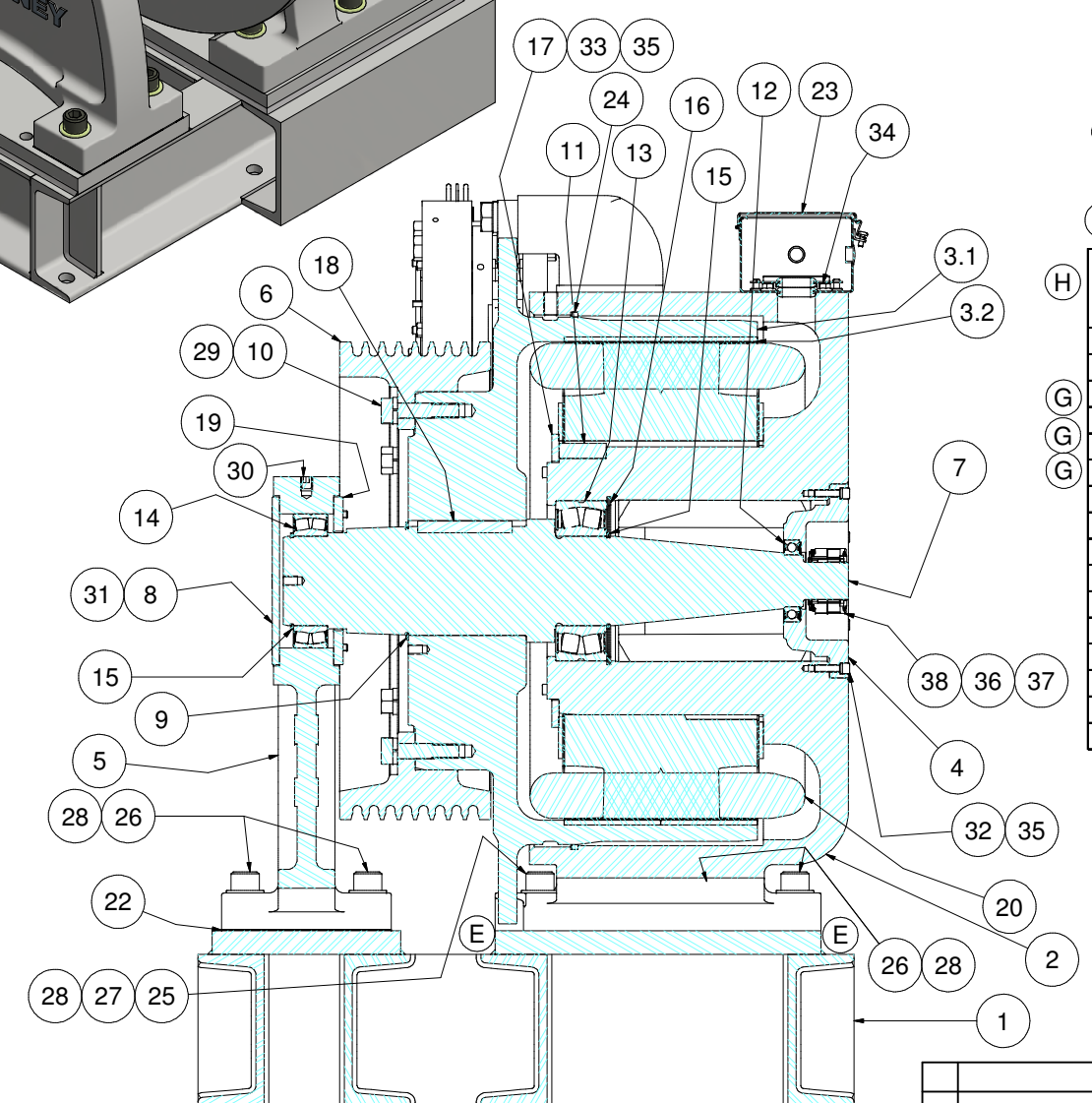
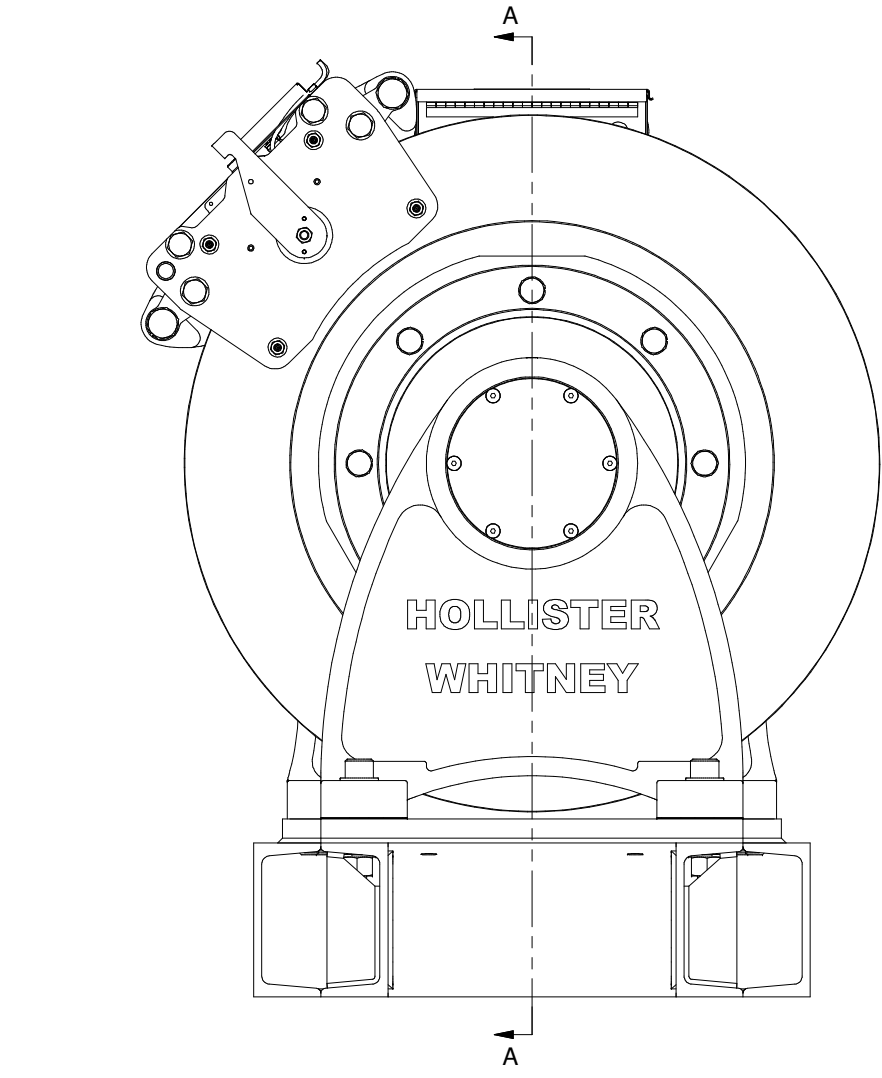
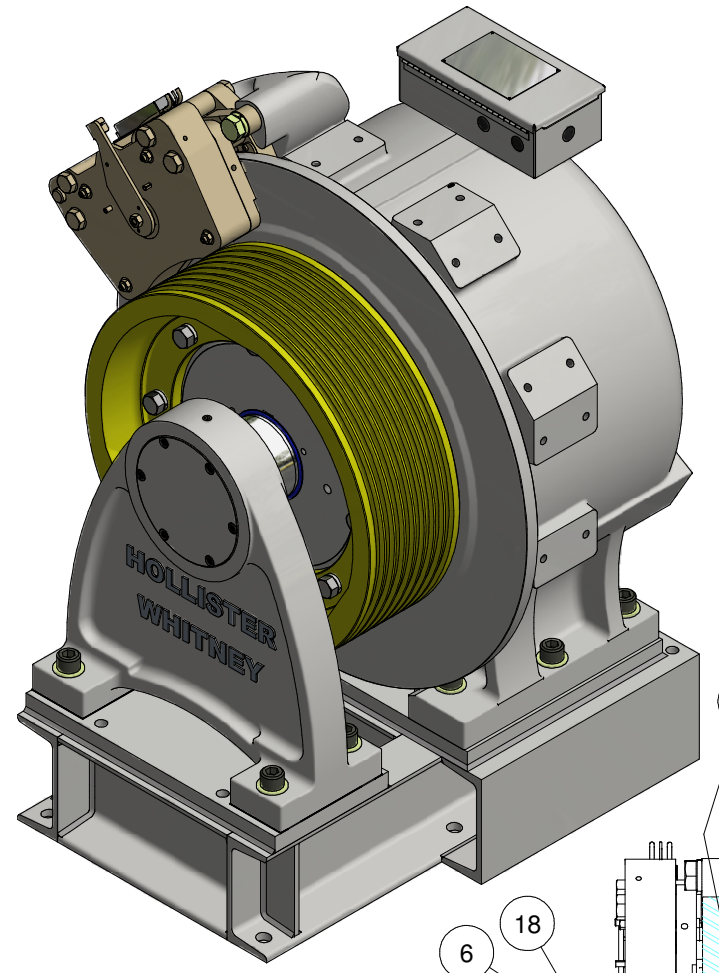
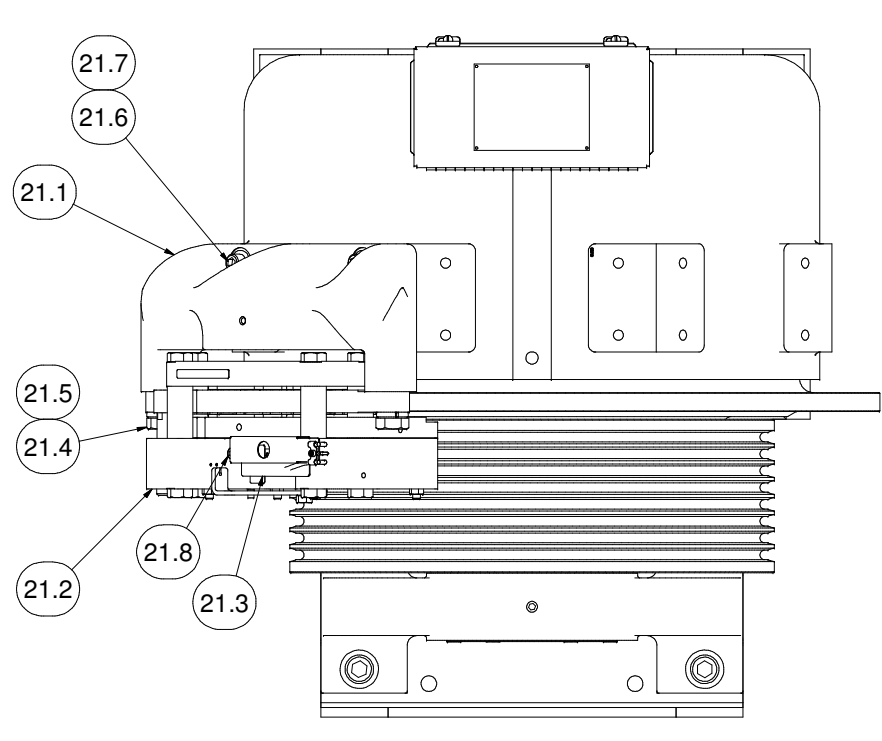
WEIGHT: 4280.0 lbmass

		F	UPDATE BOLTS TO SHCS. ADD THRU BOLT PUR #608	LTL	8/13/13	HOLLISTER-WHITNEY ELEVATOR CORP.	
		E	ADD EFFICIENCY TO WINDING CHART, PUR #592	LTL	4/18/13		
J	ADD A-STAND & BRAKE SHIMS, PUR#842	LTL	BRAKE UPDATE, REMOVE BRAKE, PUR #513	D	9/5/12	TITLE GEARLESS MACHINE (3000 LBS MAX CAPACITY); 1:1 ROPED	
H	REMOVE 1xGL185-090, ADD 1x GL185-091, PUR #639	LTL	ADD SECOND BRAKE, SHEET 2, PUR #469	C	10/26/11		
G	ADD 2ND LOCKING, GL260-005 WAS GL100-005, PUR #610	LTL	ADD GL185-020, UPDATE ITEMS 5, 7, 8, 19, PUR #458	B	9/15/11	DRAWN BY LTL	SCALE NA
		A	RELEASE FOR PRODUCTION, PUR #453	A	8/18/11	MATERIAL SEE PARTS LIST ABOVE	DIMENSIONAL TOL. 1 PLACE ± 0.01 2 PLACE ± 0.005 3-4 PLACE ± 0.001, ANGLES ± 0.1° REF. OPEN, NOMINAL ± 0.0150
						SHEET SIZE D	DATE 8/8/2011
						GL185 SHEET 1 OF 2	



GL185 W/25" TW
3000 LBS MAX CAPACITY 1:1
WEIGHT: 4280 lbmass

SEE OTHER SIDE FOR REVISIONS



SECTION A-A

ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	GL260B-01	FINISHING BASE, GL260	
2	1	GL260-001	BASE HOUSING, MOTOR #GL260	
3	1	GL260-002	ROTOR ASSEMBLY - MOTOR #GL260	
	3.1	GL260-004	ROTOR	
	3.2	GL260-099	PERMANENT MAGNET - #GL260 & GL130A MOTORS	
4	1	GL260-005	BEARING CAP	
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS	
6	1	GL185-008	SHEAVE, 25"	
7	1	GL260-018	MAIN SHAFT	
8	1	GL185-019	END CAP	
9	1	GL185-020	RETAINING RING - ROTOR	
10	8	GL185-073	BODY BOLT	
11	1	GL100-088	KEY - STATOR CORE TO BASE	
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL	
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING	
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER	
15	2	GL130-092	RETAINING RING - SHAFT	
16	1	GL130-093	RETAINING RING - HOUSING	
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY	
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR	
19	1	GL185-104	CAP	
20	1	GL260-100	WINDING ASSEMBLY - 40 POLE	
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY	
	21.1	143-001	BRAKE BASE	
	21.2	GL185-143-115	MAYR #10; RSD 10/894.210.03	
	21.3	143-003	COVER - MAYR #10 ELECTRICAL	
	21.4	2	1 - 8 UNC x 3.5" HEX HEAD CAP SCREW	
	21.5	2	1" WASHER STANDARD LOCK WASHER	
	21.6	4	5/8 - 11 UNC x 2.5" SOCKET HEAD CAP SCREW	
	21.7	4	5/8 WASHER STANDARD WASHER	
	21.8	1	M10 x 1.5 x 12 mm SHCS - METRIC	
	21.9	AS	143-026 BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)	
	NEC	143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)	
	H	AS	GL185-157-05 OUTBOARD STAND SHIM - 0.005"	
	NEC	GL185-157-10	OUTBOARD STAND SHIM - 0.010"	
	NEC	GL185-157-31	OUTBOARD STAND SHIM - 0.031"	
23	1	GL185-159	HOFFMAN ELECTRICAL ENCLOSURE, A12064CH MODIFIED	
24	1	GL100-165-1	FELT DUST SEAL	
	G	25	2	1 - 8 UNC x 5.5" SOCKET HEAD CAP SCREW
	G	26	8	1 - 8 UNC x 4" SOCKET HEAD CAP SCREW
	G	27	2	1 - 8 UNC NUT HEAVY HEX NUT
	G	28	12	1" WASHER SAE WASHER
	G	29	8	13/16 WASHER HEAVY LOCK WASHER
	G	30	1	5/8-11 UNC x 0.625 HALF DOG SET SCREW
	G	31	6	3/8-16 UNC x 4 FLAT HEAD CAP SCREWS
	G	32	6	3/8 - 16 UNC - 1 1/2 SOCKET HEAD CAP SCREW
	G	33	6	3/8 - 16 UNC - 1 1/4 SOCKET HEAD CAP SCREW
	G	34	4	3/8-16 UNC x 0.5 WHIZ BOLT
	G	35	12	3/8 Lock Washers HI-COLLAR LOCK WASHER
	G	36	4	No. 8 - 32 UNC - 1/4 HEX HEAD CAP SCREW
	G	37	4	#8 LOCK WASHER EXT. TOOTH LOCK WASHER
	G	38	1	ECN 113 52810061 50mm HEIDENHAIN ENCODER

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED (fpm)
GL260-35L	GL260-170-350	90	260	170	53.5	350
GL260-35H	GL260-360-350	90	260	360	53.5	350
GL260-50L	GL260-170-500	90	260	170	53.5	500
GL260-50H	GL260-360-500	90	260	360	53.5	500
GL260-70L	GL260-170-700	90	260	170	53.5	700

WEIGHT: 4769.2 lbmass

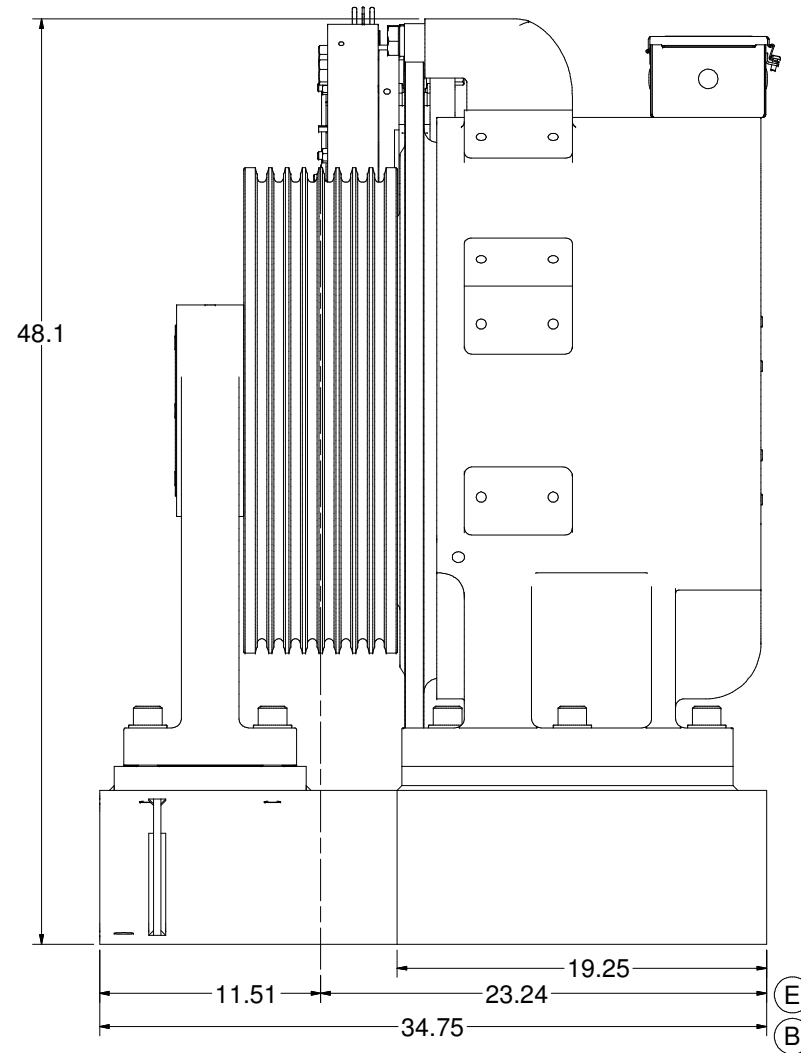
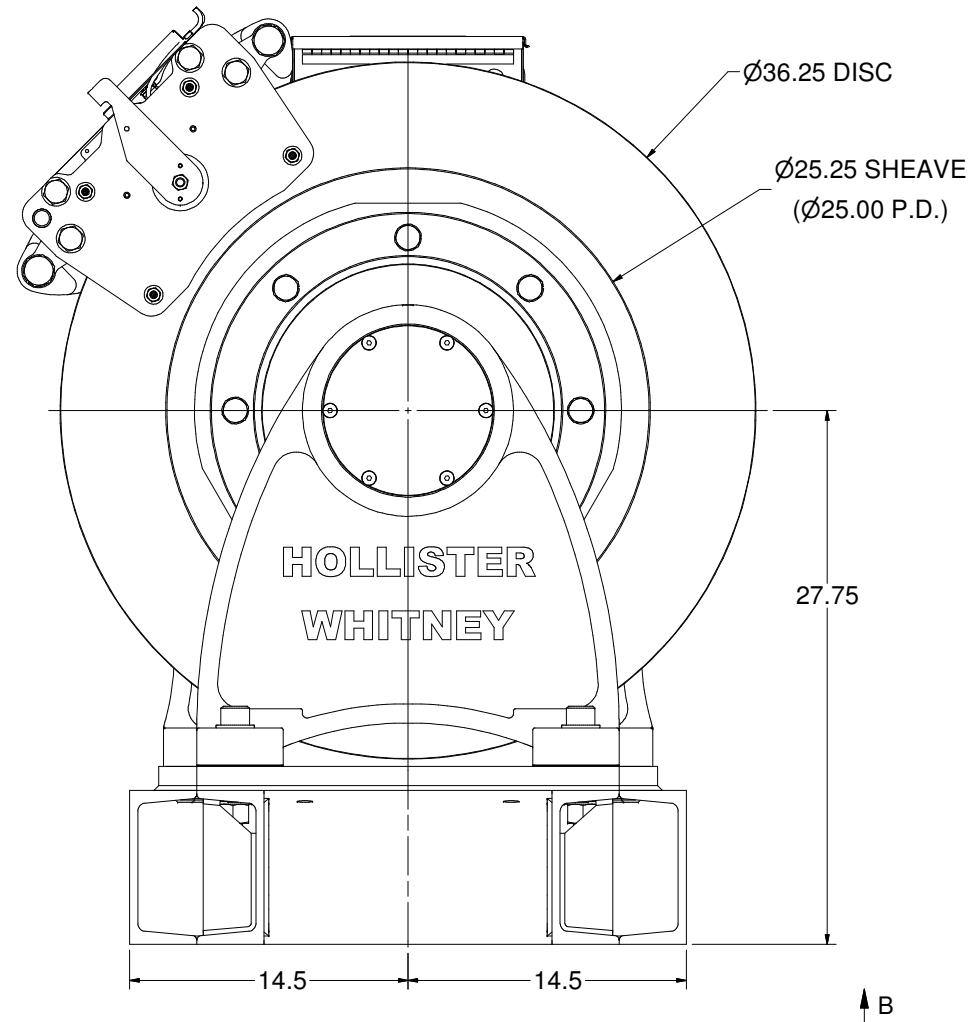
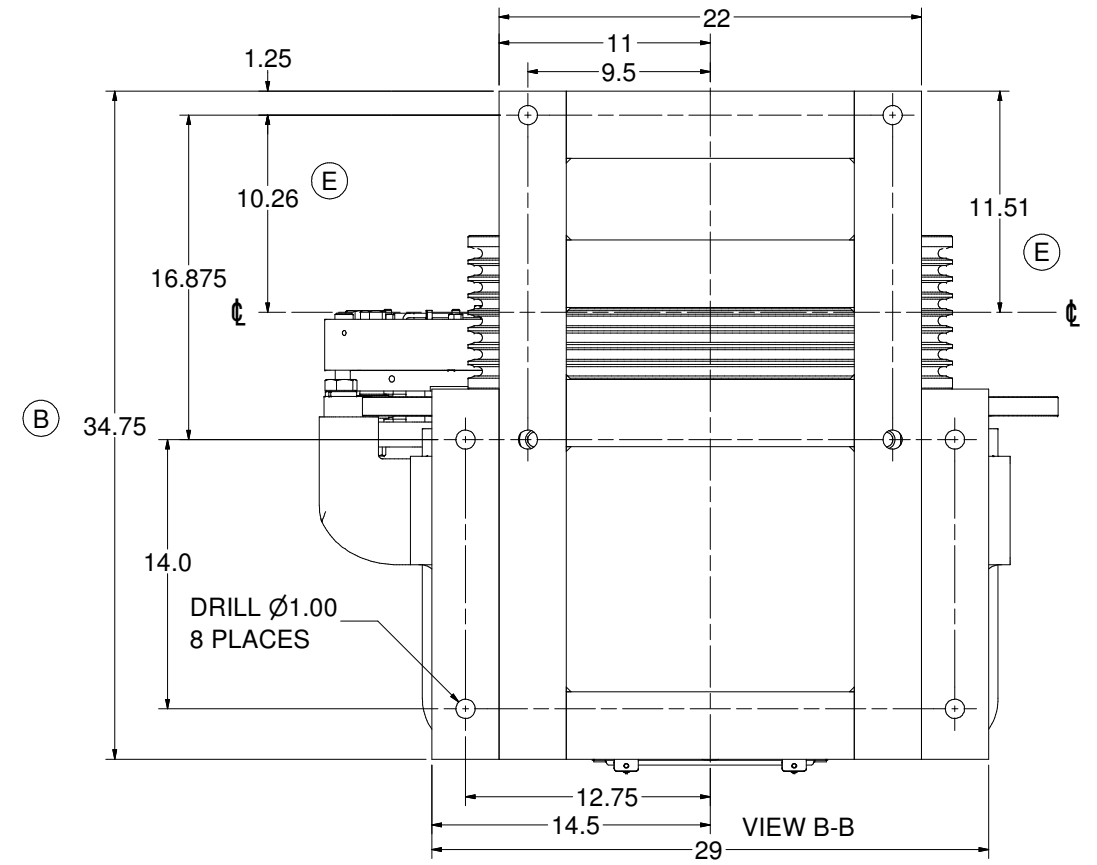
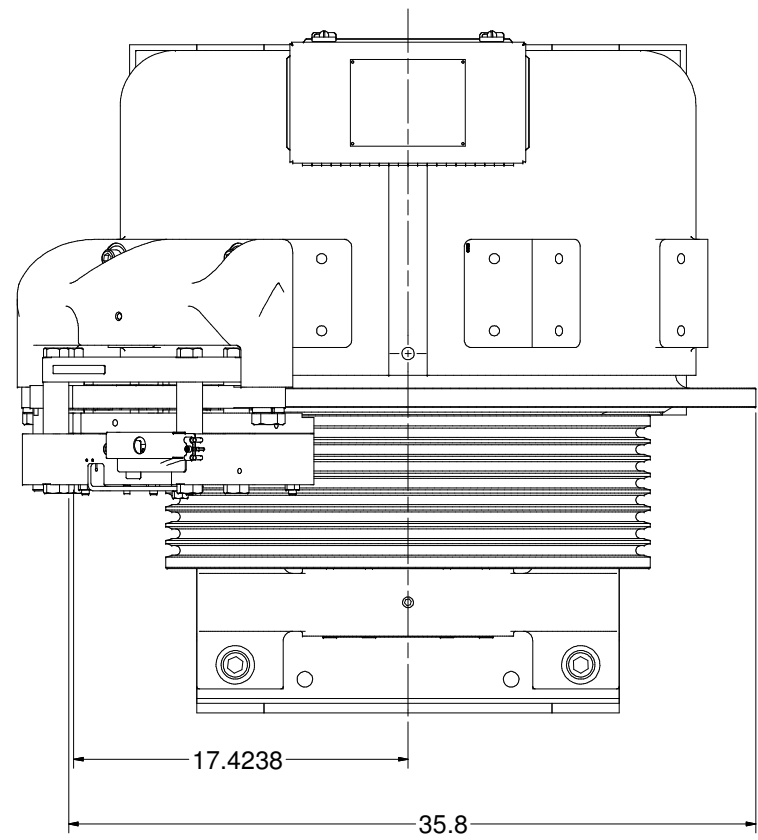
REV	DESCRIPTION	DATE	BY	SCALE	MATERIAL	DIMENSIONAL TOL.
F	ADD WINDING CHART, PUR #592	4/18/13	LTL			±0.01
E	MOVE MACHINE CL 0.5", PUR #579	3/5/13	LTL			±0.005
D	BEARING HOUSING P/N WAS GL185-005, PUR #536	10/22/12	LTL			±0.01
C	UPDATE BRAKE, REMOVE BRAKE, PUR #513	9/5/12	LTL			±0.01
H	ADD A-STAND & BRAKE SHIMS, PUR #842	6/26/17	LTL			±0.01
G	UPDATE BOLTS TO SHCS, ADD THRU BOLTS, PUR #808	8/20/13	LTL			±0.01

HOLLISTER-WHITNEY
ELEVATOR CORP.

GEARLESS MACHINE, 4000# MAX CAP, 1:1 ROPED

DRAWN BY: LTL
SCALE: NA
MATERIAL: SEE PARTS LIST
DATE: 11/18/2011

GL260
SHEET 1 OF 2



SEE OTHER SIDE FOR REVISIONS

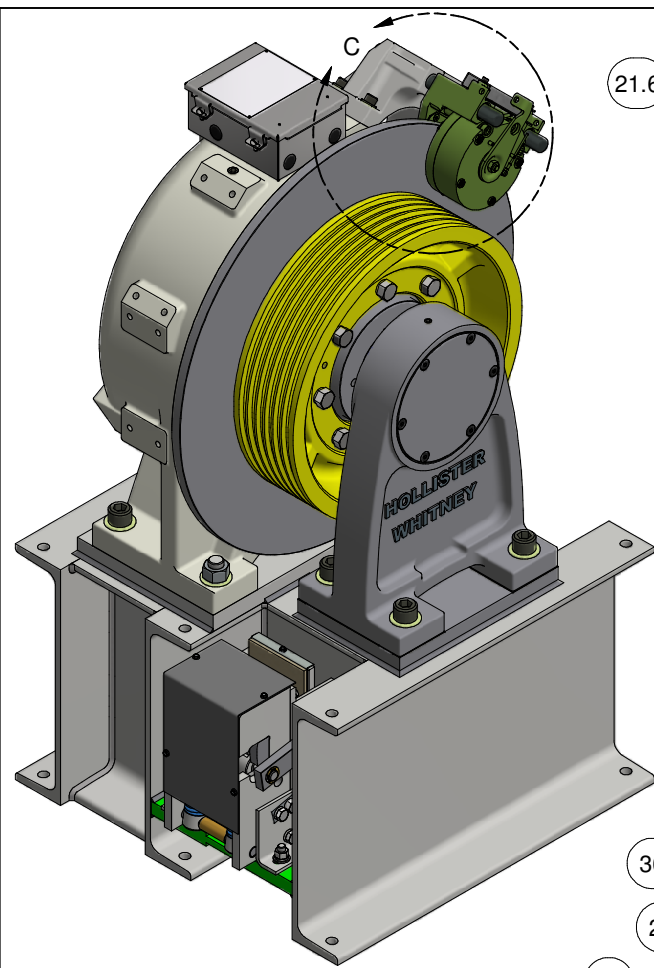
WEIGHT: 4769.2 lbmass

HOLLISTER-WHITNEY
ELEVATOR CORP.

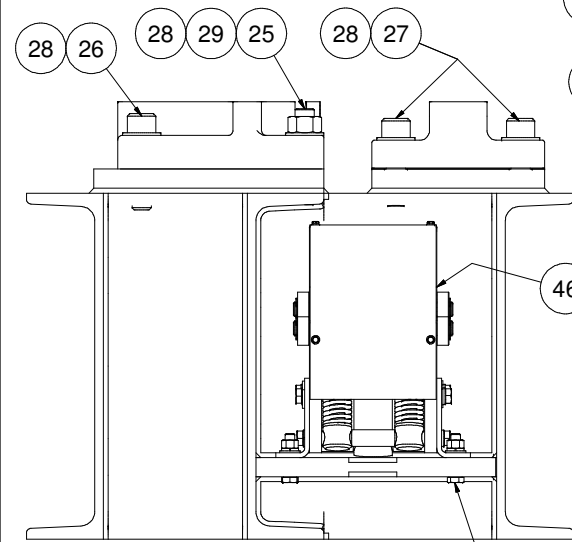
TITLE
GEARLES MACHINE, 4000# MAX CAP, 1:1 ROPED

DRAWN BY	LTL	SCALE	NA	MATERIAL	SEE PARTS LIST	OTHER SIDE	DIMENSIONAL TOL.
						1 PLACE ± 0.01	2 PLACE ± 0.005
						3&4 PLACE ± 0.001	ANGLES ± 0.1°
						REF. OPEN (NOMINAL)	± 0.0156

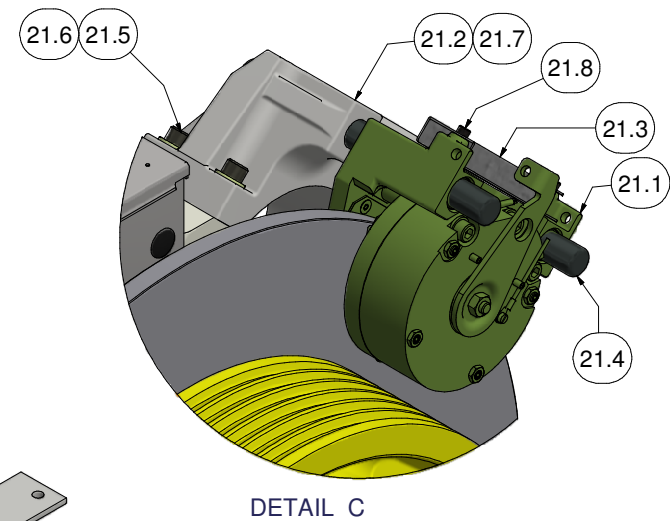
SHEET SIZE	DATE	GL260
D	11/18/2011	SHEET 2 OF 2



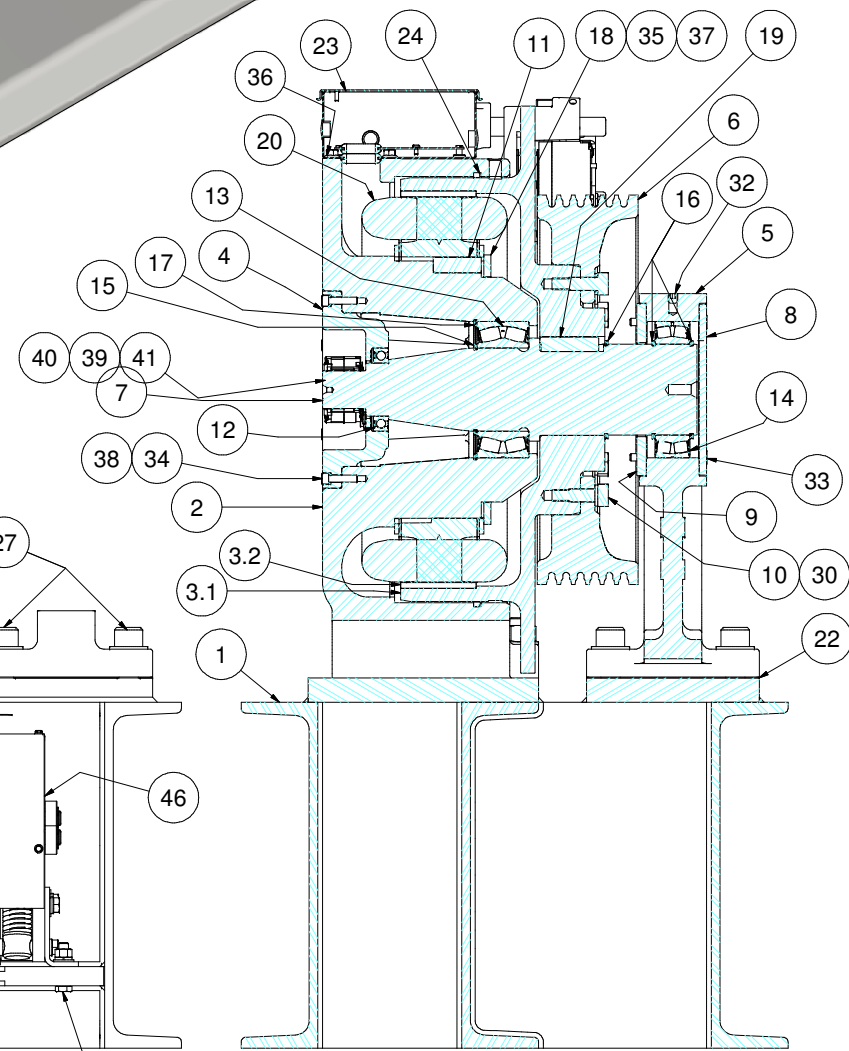
MACHINE REQUIRES ONE (1) PRIMARY SERVICE BRAKE AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 620 ROPE GRIPPER (NOT INCLUDED) SHOWN ON LEFT SIDE. RIGHT SIDE SIMILAR. BOLT-DOWN HARDWARE INCLUDED.



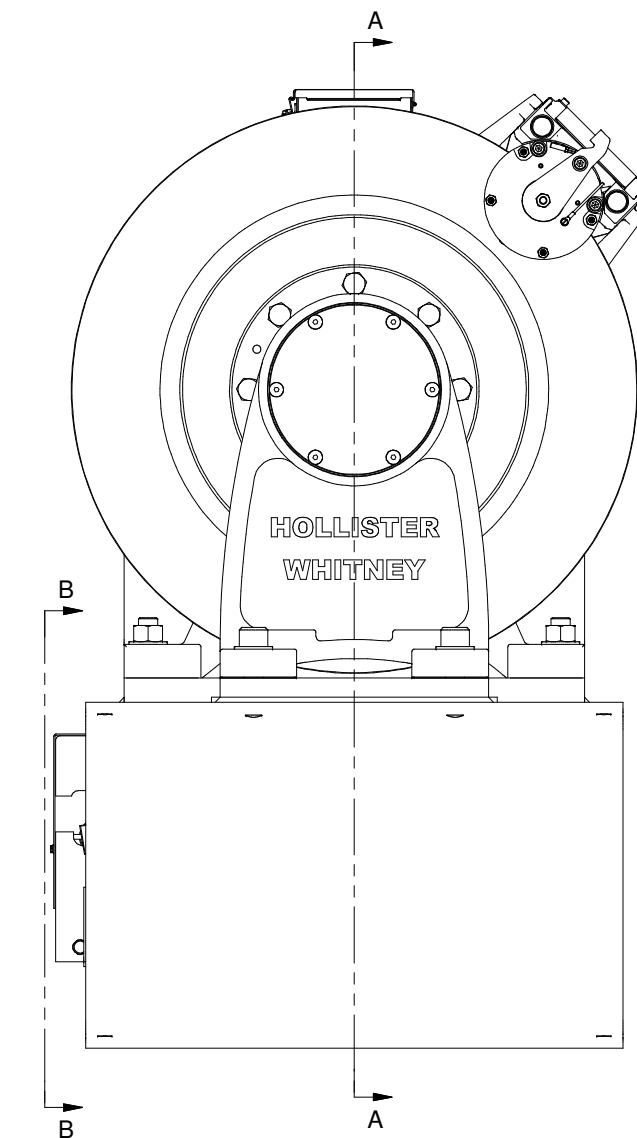
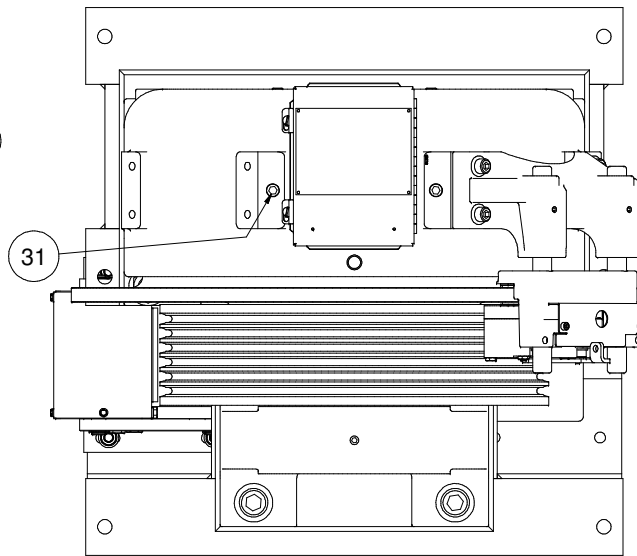
VIEW B-B



DETAIL C



SECTION A-A



1:1 APPLICATIONS USING 2:1 WINDINGS

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL101-15L	GL100-170-150	87.2	100	170	76.4	400
GL101-15H	GL100-360-150	87.1	100	360	76.4	400
GL101-20L	GL100-170-200	89.2	100	170	101.9	533
GL101-20H	GL100-360-200	89.3	100	360	101.9	533

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL101B-620	BASE FABRICATION - FINISHED
2	1	GL100-001	BASE HOUSING, MOTOR #GL100
3	1	GL101-002	ROTOR ASSEMBLY, MOTOR #GL100
3.1	1	GL101-004	ROTOR
3.2	28	GL100-099	PERMANENT MAGNET - MOTOR #GL100
4	1	GL260-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL101-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL100-090	Bearings, Sealed Spherical Roller
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	1	GL100-092	RETAINING RING - SHAFT
16	3	GL130-092	RETAINING RING - SHAFT
17	1	GL100-093	RETAINING RING - HOUSING
18	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
19	1	GL100-095	KEY - ROTOR TO SHAFT
20	1	GL100-100	WINDING ASSEMBLY
21	1	GL100-146	DISC BRAKE (MAYR #6) - MRL
21.1	1	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
21.2	1	142-001	BRAKE BASE
21.3	1	146-003	COVER - MAYR #6 ELECTRICAL
21.4	2	142-012	BRAKE ROD
21.5	4	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
21.6	4	1/2" WASHER	STANDARD WASHER
21.7	2	3/8-16 UNC x 0.375	SET SCREW
21.8	2	M6 x 1.00 x 8mm	SHCS - Metric
22	As Nec.	GL171-157-05	OUTBOARD STAND SHIM - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM - 0.031"
23	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
24	1	GL100-165	FELT DUST SEAL
25	2	1 - 8 UNC x 5"	ALL THREAD - GRADE 5
26	2	1 - 8 UNC x 4"	SOCKET HEAD CAP SCREW
27	4	1 - 8 UNC x 3.25"	SOCKET HEAD CAP SCREW
28	8	1" WASHER	SAE WASHER
29	8	1" NUT	HEX NUT
30	8	M18 LOCK WASHER	HELICAL SPRING LOCK WASHER - BODY BOLT
31	6	3/4 - 10 UNC x 0.75"	SET SCREW (HOLE PLUG)
32	6	1/2 - 13 UNC x 0.5"	SET SCREW (HOLE PLUG)
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
35	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
36	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
37	6	3/8 WASHER	STANDARD LOCK
38	6	0.375 WASHER	CAP SCREW LOCK WASHER
39	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
40	4	#8 WASHER	INT. TOOTH LOCKWASHER
41	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
42	4	1/2 - 13 UNC x 2.25"	HEX HEAD CAP SCREW
43	4	1/2 - 13 UNC NUT	HEX NUT
44	4	1/2 WASHER	LOCK WASHER
45	4	1/2 WASHER	STANDARD WASHER
46	1	620	NOT INCLUDED - SHOWN FOR CLARITY

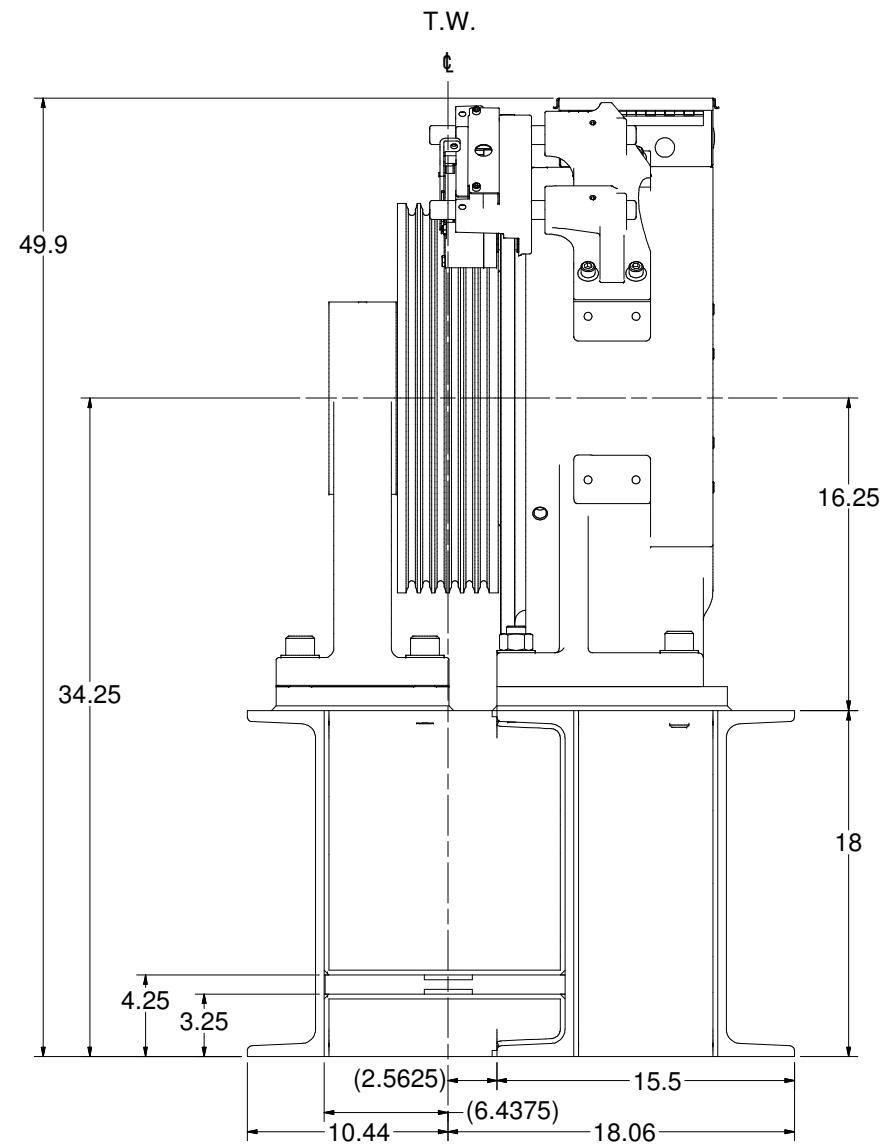
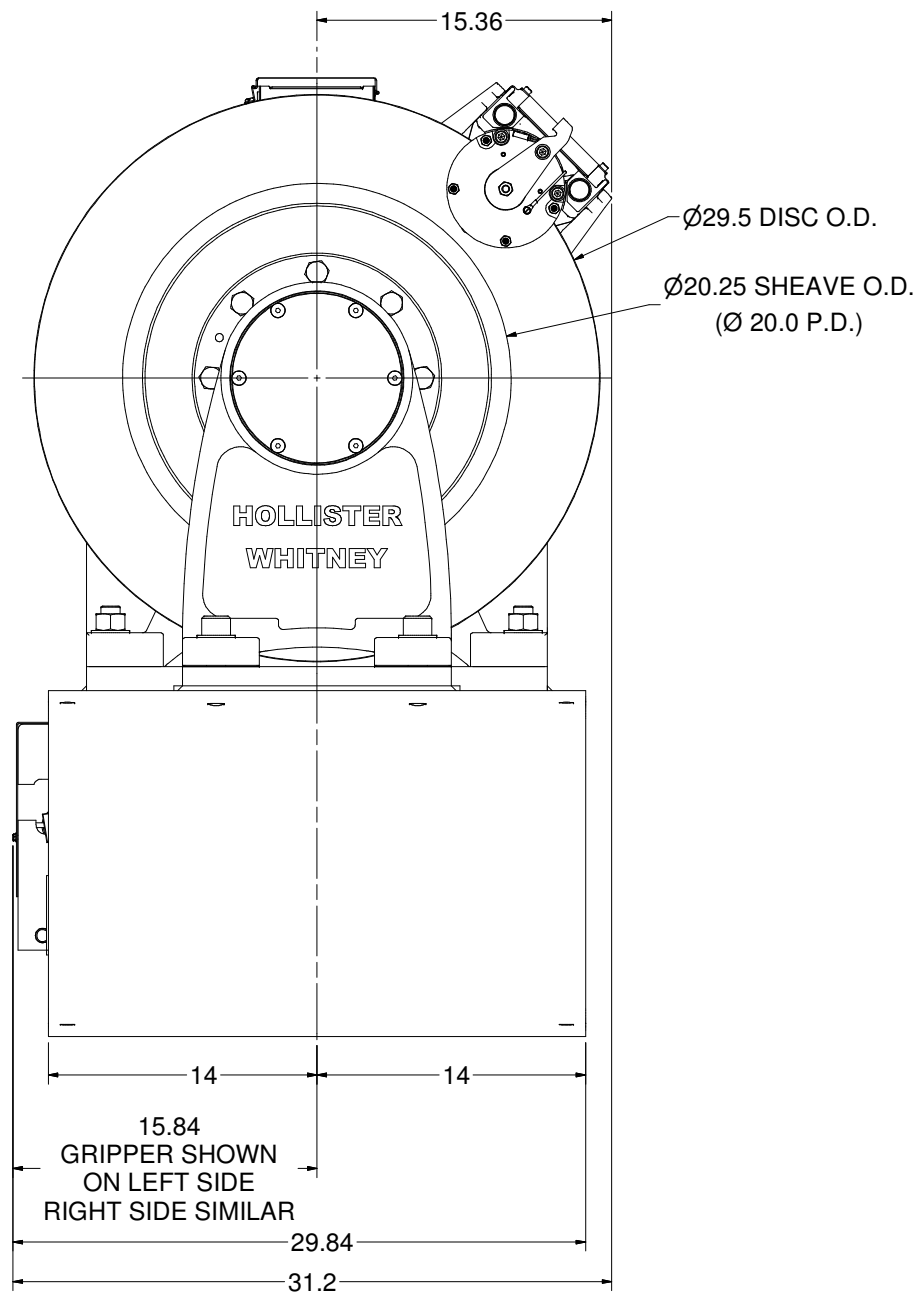
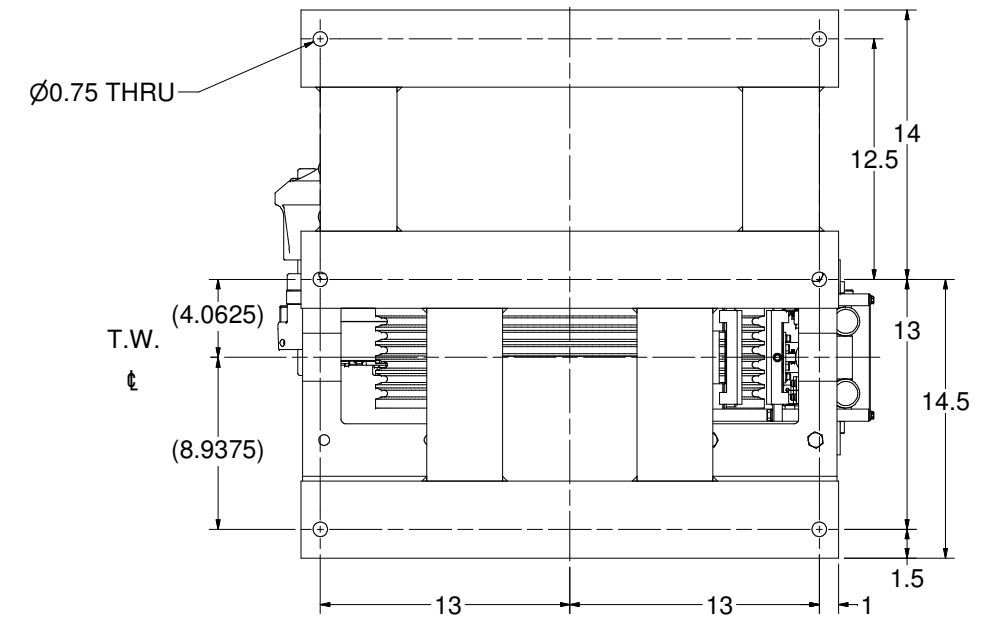
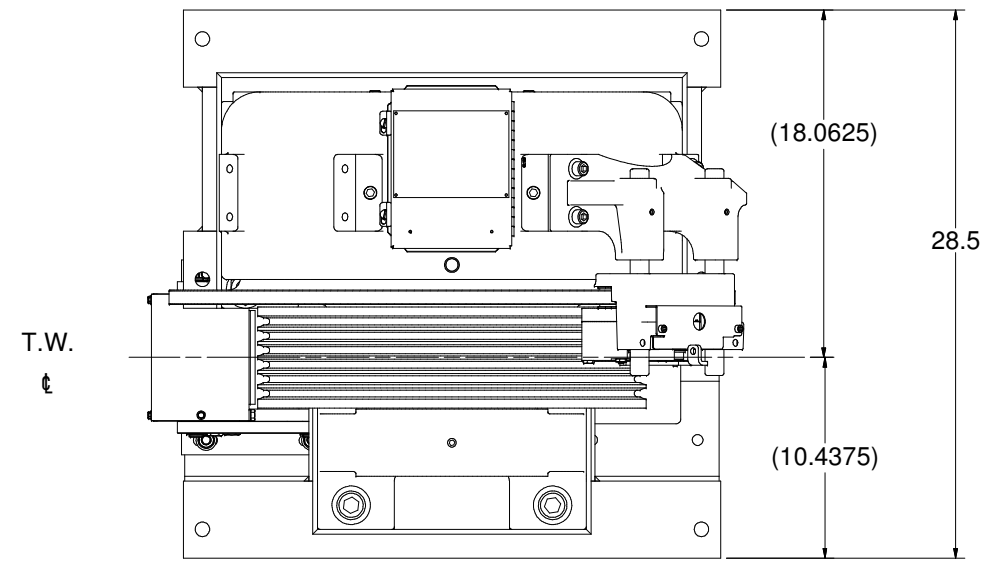
Weight: 2184.14 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DATE	5/22/2014	DRAWN BY	LTL	SCALE	MATERIAL	DIMENSIONAL TOL.
DATE	5/23/14	BY	LTL	SCALE	MATERIAL	1 PLACE ±0.01, 2 PLACE ±0.005 3/4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.01/150
DATE	5/23/14	BY	LTL	SCALE	MATERIAL	
DATE	5/23/14	BY	LTL	SCALE	MATERIAL	
DATE	5/23/14	BY	LTL	SCALE	MATERIAL	

SEE PARTS LIST
DATE 5/22/2014
GL101-620



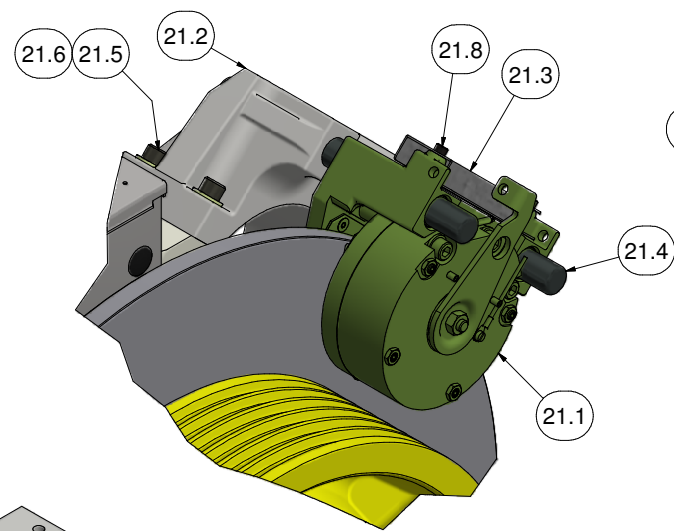
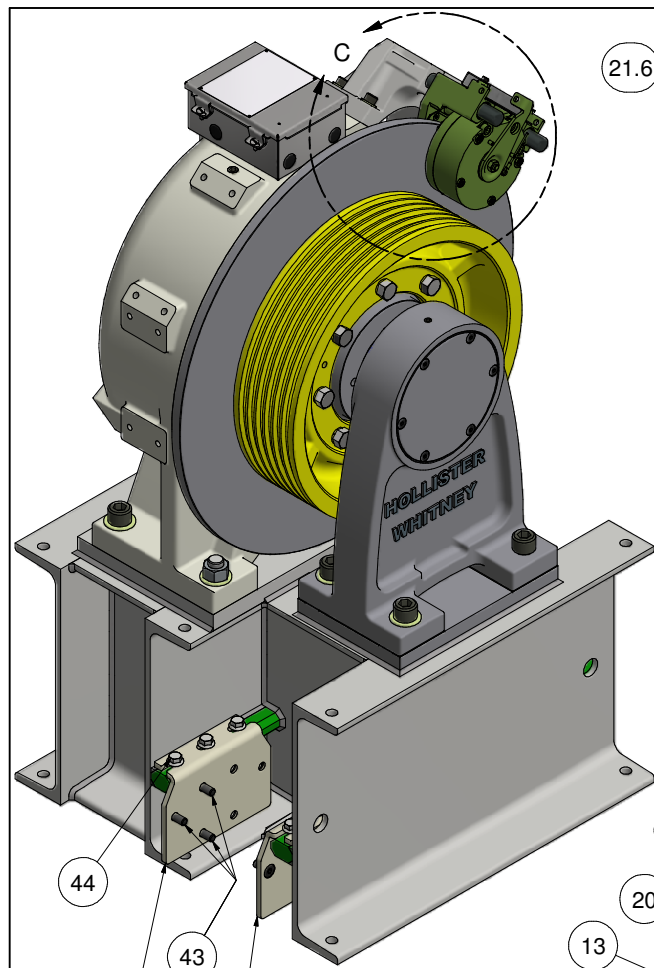
Weight: 2184.14 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.

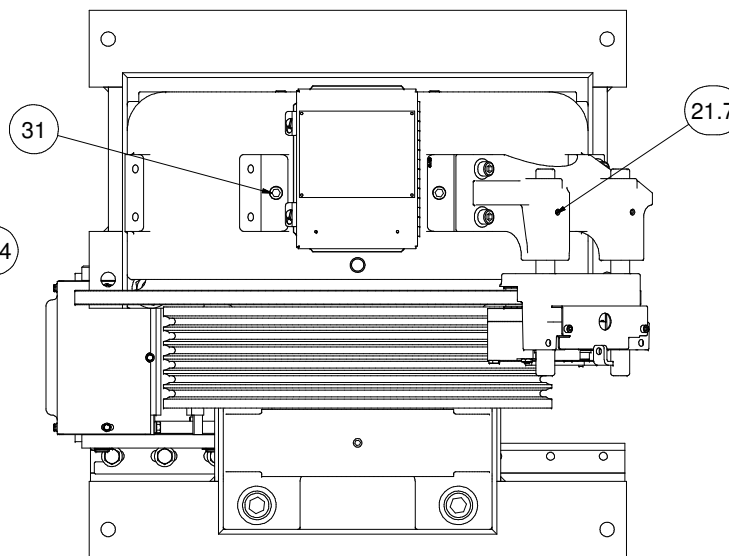
TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

SEE OTHER
SIDE FOR
REVISIONS

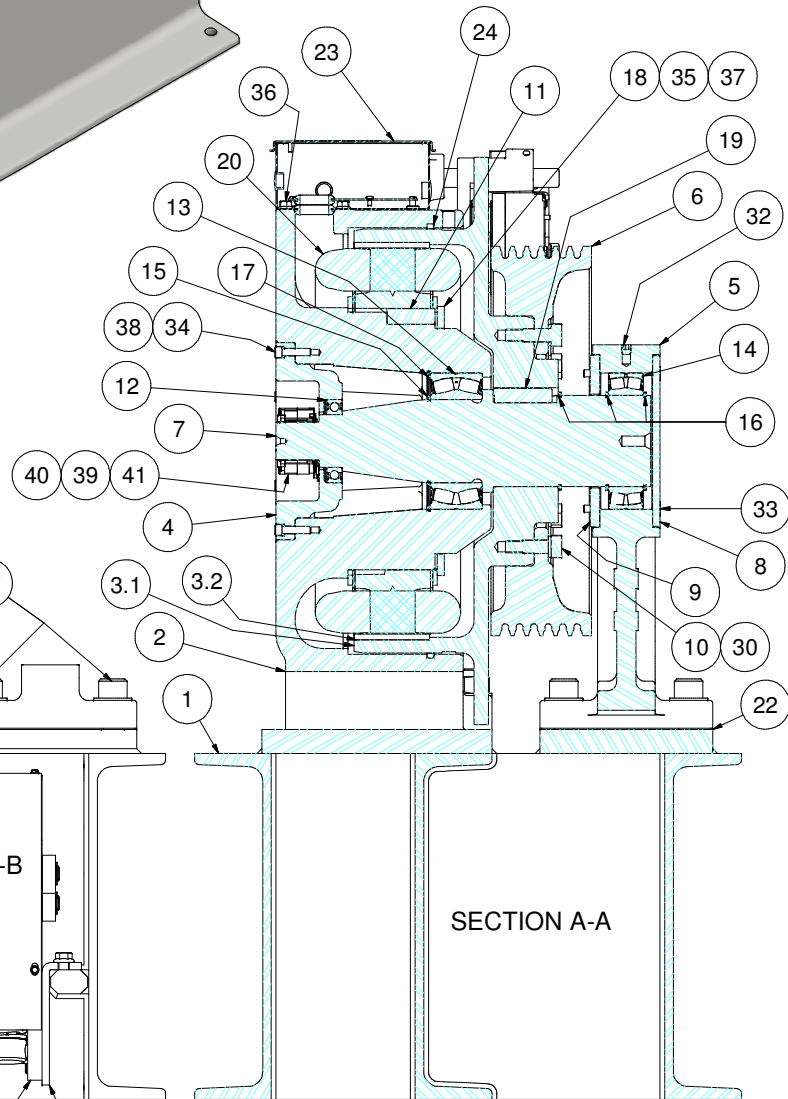
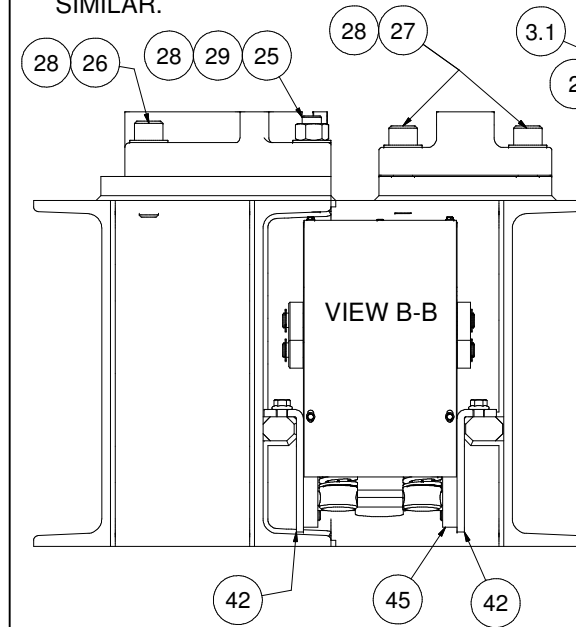
DRAWN BY	SCALE	MATERIAL	DIMENSIONAL TOL.
LTL	NA	SEE PARTS LIST	1 PLACE ±0.01, 2 PLACE ±0.005 3&4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150
SHEET SIZE	D	DATE	5/22/2014
			GL101-620



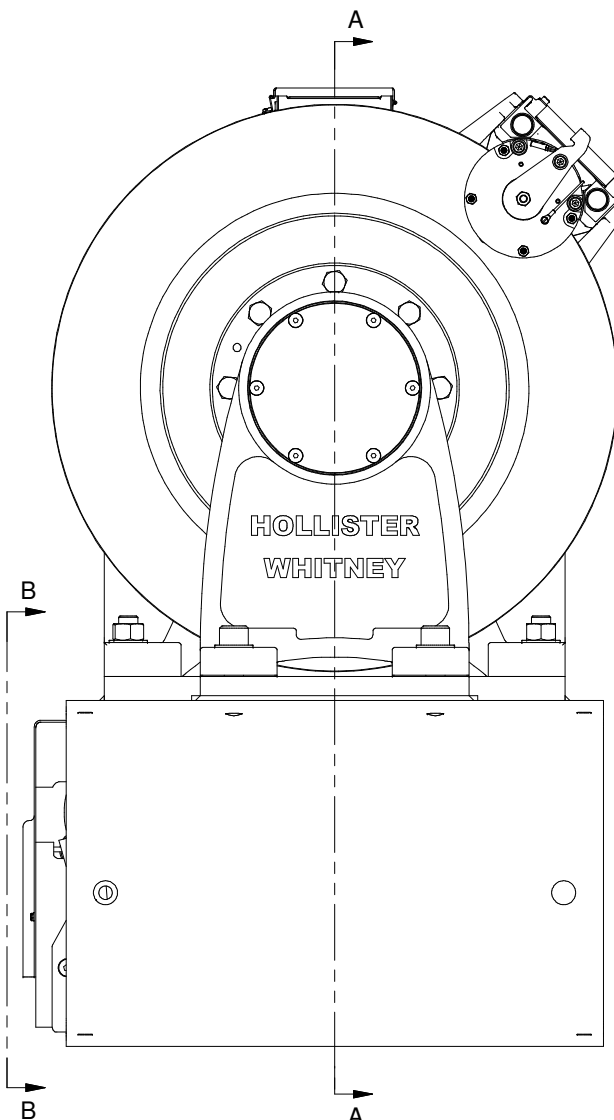
DETAIL C



MACHINE REQUIRES ONE (1) PRIMARY SERVICE BRAKE AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 622 ROPE GRIPPER SHOWN ON LEFT SIDE, RIGHT SIDE SIMILAR.



SECTION A-A



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL101B-622	BASE FABRICATION - FINISHED
2	1	GL100-001	BASE HOUSING, MOTOR #GL100
3	1	GL101-002	ROTOR ASSEMBLY, MOTOR #GL100
3.1	1	GL101-004	ROTOR
3.2	28	GL100-099	PERMANENT MAGNET - MOTOR #GL100
4	1	GL260-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL101-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL100-090	Bearings, Sealed Spherical Roller
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	1	GL100-092	RETAINING RING - SHAFT
16	3	GL130-092	RETAINING RING - SHAFT
17	1	GL100-093	RETAINING RING - HOUSING
18	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
19	1	GL100-095	KEY - ROTOR TO SHAFT
20	1	GL100-100	WINDING ASSEMBLY
21	1	GL100-146	DISC BRAKE (MAYR #6) - MRL
21.1	1	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
21.2	1	142-001	BRAKE BASE
21.3	1	146-003	COVER - MAYR #6 ELECTRICAL
21.4	2	142-012	BRAKE ROD
21.5	4	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
21.6	4	1/2" WASHER	STANDARD WASHER
21.7	2	3/8-16 UNC x 0.375	SET SCREW
21.8	2	M6 x 1.00 x 8mm	SHCS - Metric
22	As Nec.	GL171-157-05	OUTBOARD STAND SHIM - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM - 0.031"
23	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
24	1	GL100-165	FELT DUST SEAL
25	2	1 - 8 UNC x 5"	SOCKET HEAD CAP SCREW
26	2	1 - 8 UNC x 4"	SOCKET HEAD CAP SCREW
27	4	1 - 8 UNC x 3.25"	SOCKET HEAD CAP SCREW
28	8	1" WASHER	SAE WASHER
29	8	1" NUT	HEX NUT
30	8	Washer GB 859-87 18	Single coil spring lock washers, Light type
31	6	3/4 - 10 UNC x 0.75"	SET SCREW (HOLE PLUG)
32	6	1/2 - 13 UNC x 0.5"	SET SCREW (HOLE PLUG)
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
35	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
36	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
37	6	3/8 WASHER	STANDARD LOCK
38	6	0.375 WASHER	CAP SCREW LOCK WASHER
39	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
40	4	#8 WASHER	INT. TOOTH LOCKWASHER
41	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
42	2	622-041-GL	MOUNTING ANGLE, GL101-622 BASE
43	6	1/2 - 13 UNC x 1.25"	FLAT HEAD CAP SCREW
44	6	1/2 - 13 UNC x 1.25"	HEX FLANGE HEAD SREW
45	1	622	NOT INCLUDED, SHOWN FOR CLARITY ONLY

1:1 APPLICATIONS USING 2:1 WINDINGS

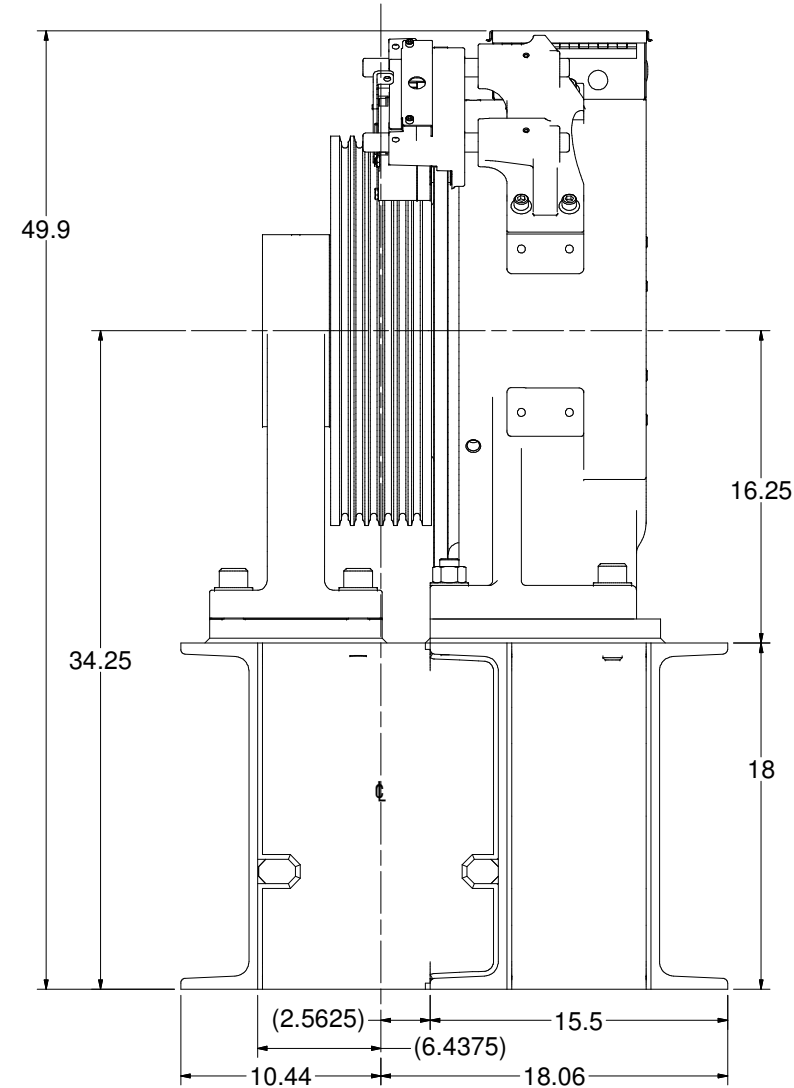
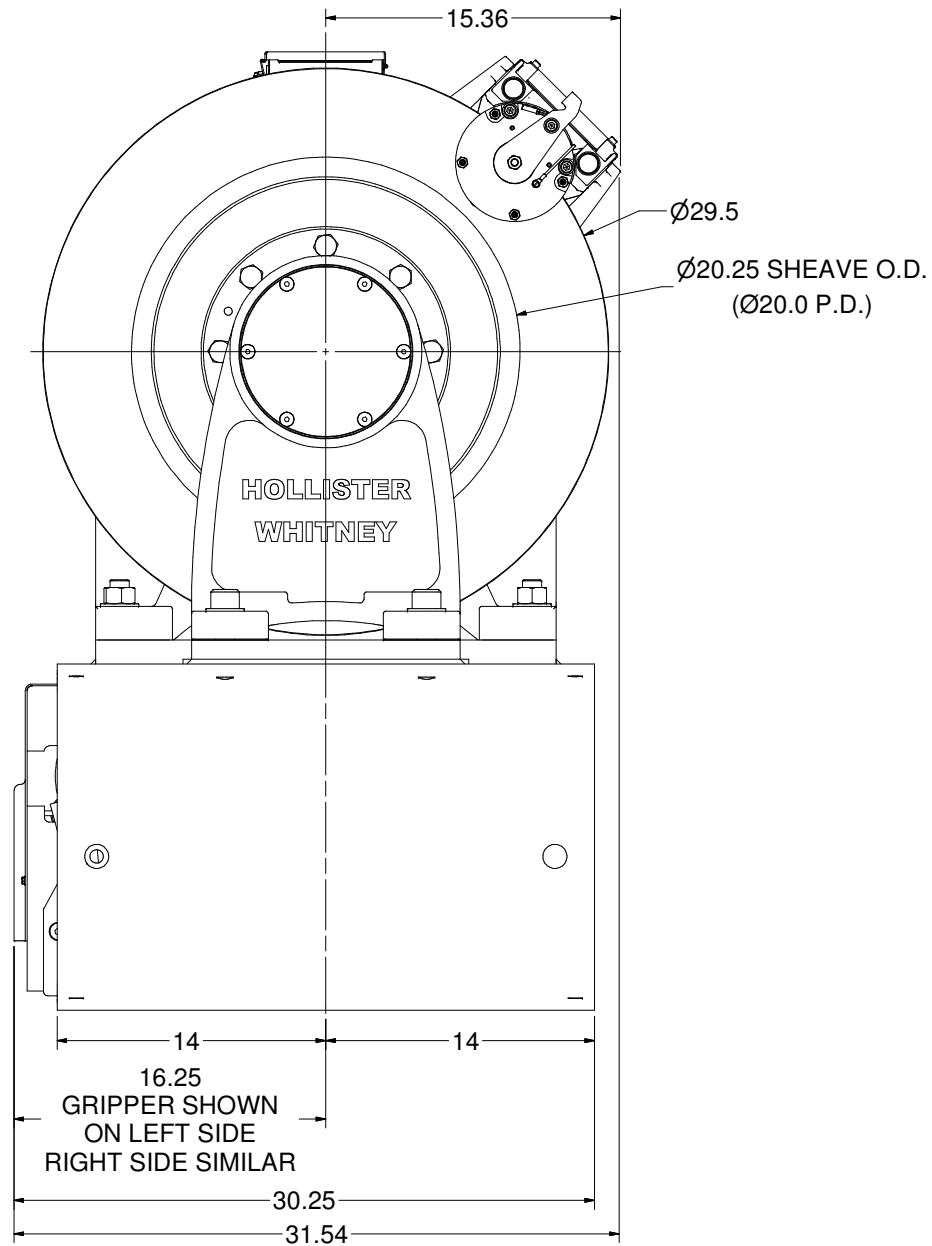
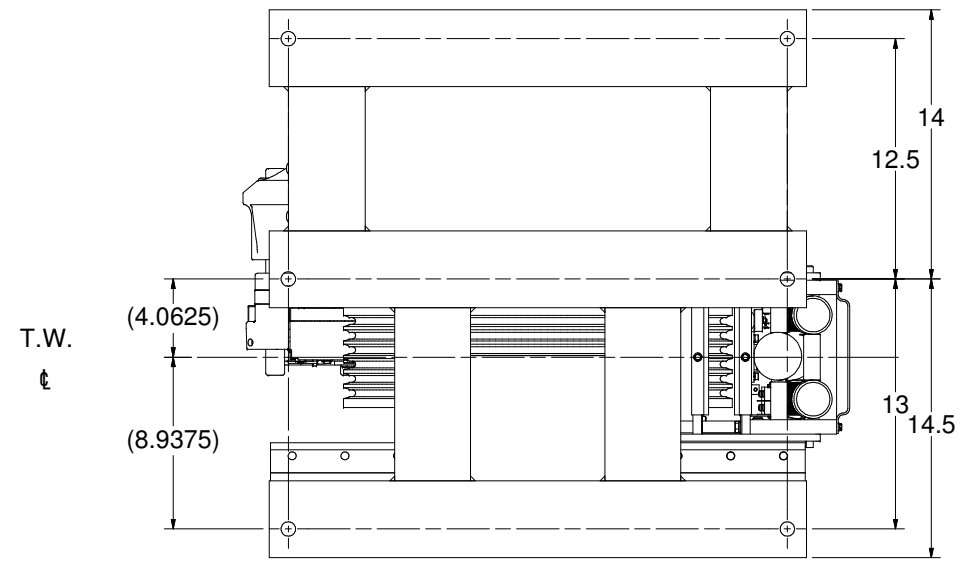
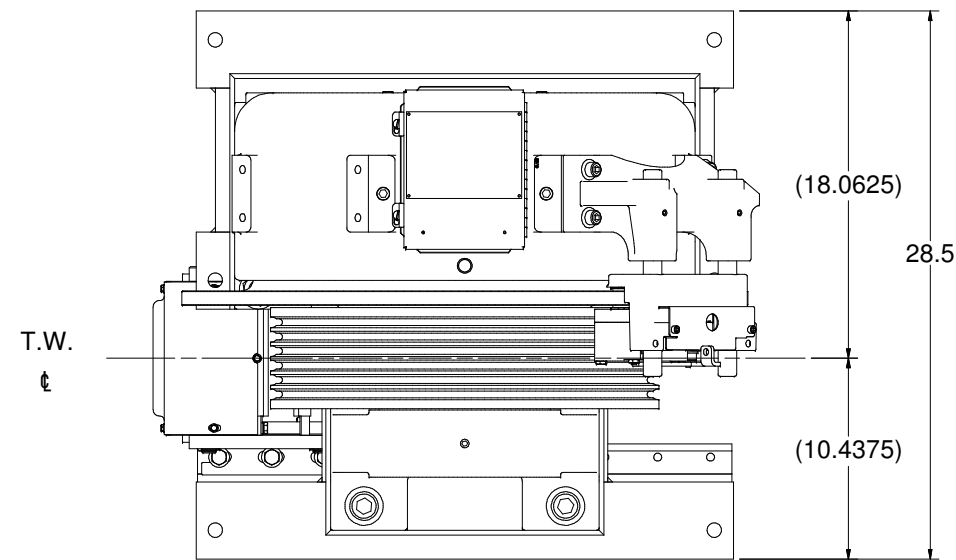
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL101-15L	GL100-170-150	87.2	100	170	76.4	400
GL101-15H	GL100-360-150	87.1	100	360	76.4	400
GL101-20L	GL100-170-200	89.2	100	170	101.9	533
GL101-20H	GL100-360-200	89.3	100	360	101.9	533

Weight: 2184.41 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DRAWN BY	LTL	SCALE	MATERIAL	DIMENSIONAL TOL.
BY	LTL	NA	SEE PARTS LIST	1 PLACE ±0.01, 2 PLACE ±0.005 3/8 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150
DATE	5/21/2014	SHEET SIZE	D	GL101-622



Weight: 2184.41 lbmass

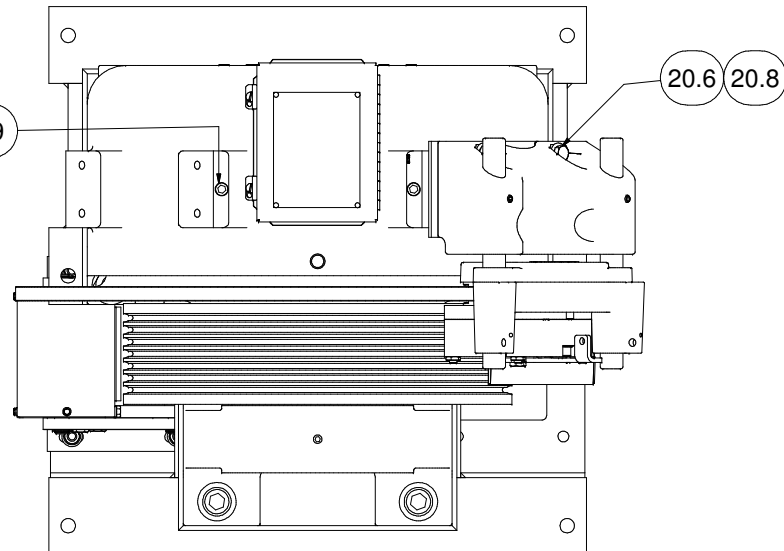
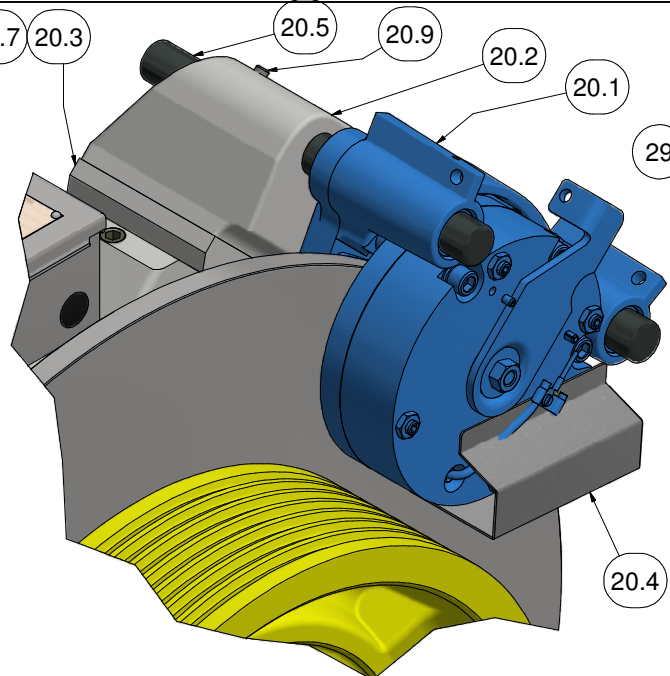
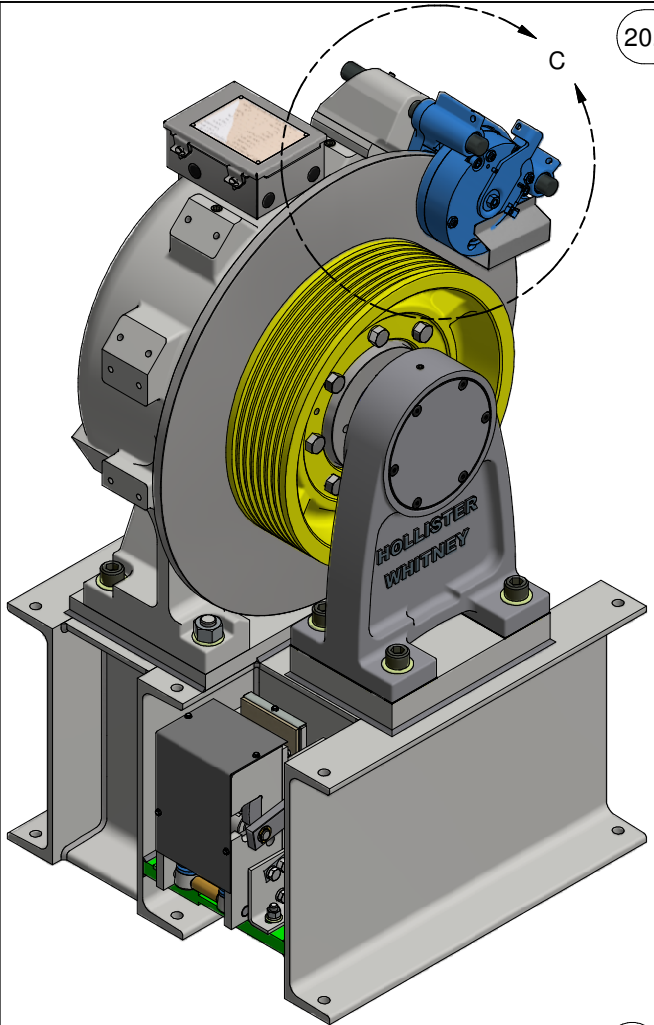
HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DRAWN BY LTL NA SCALE NA MATERIAL SEE PARTS LIST DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3&4 PLACE ±0.001, ANGLES ±0.1°
REF. OPEN, (NOMINAL) ± 0.0150

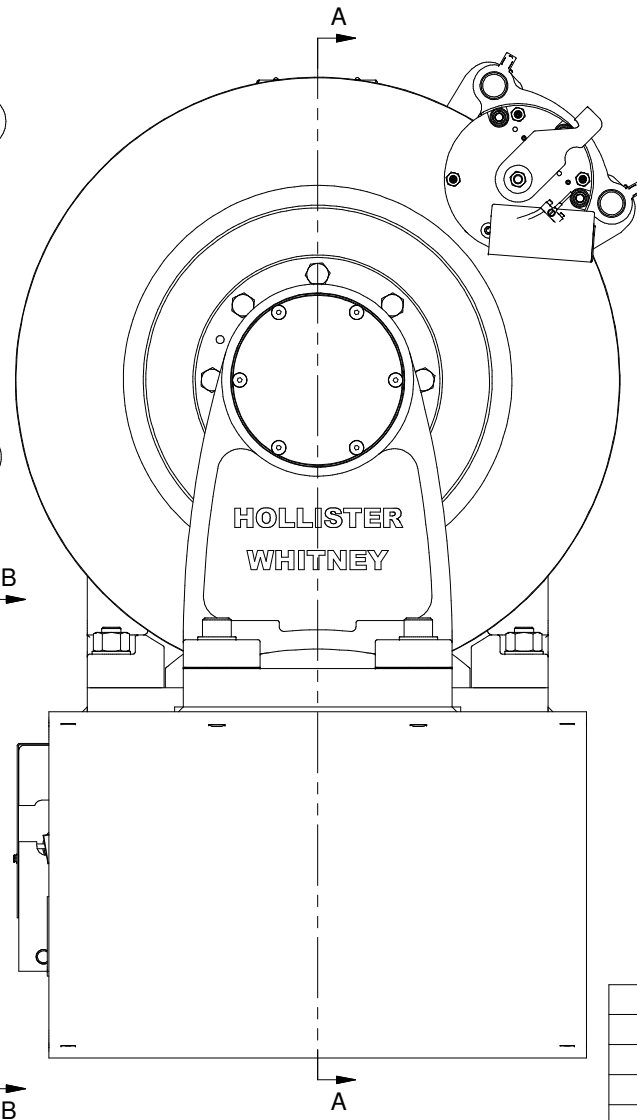
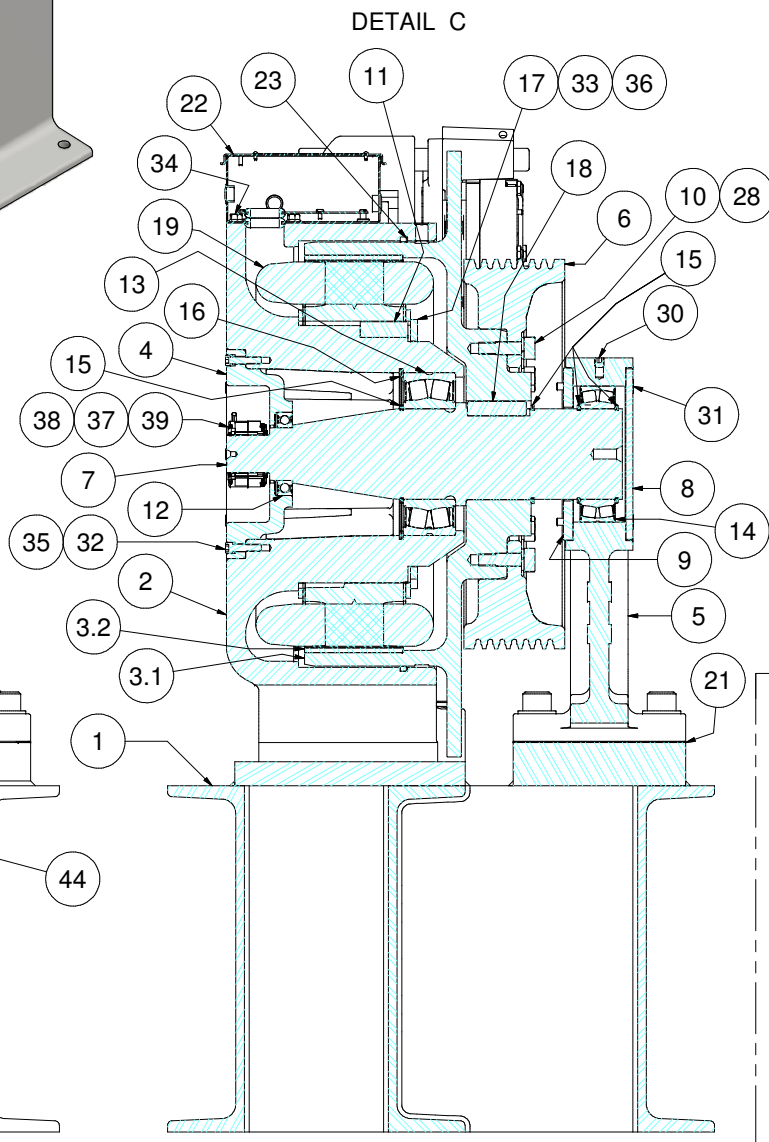
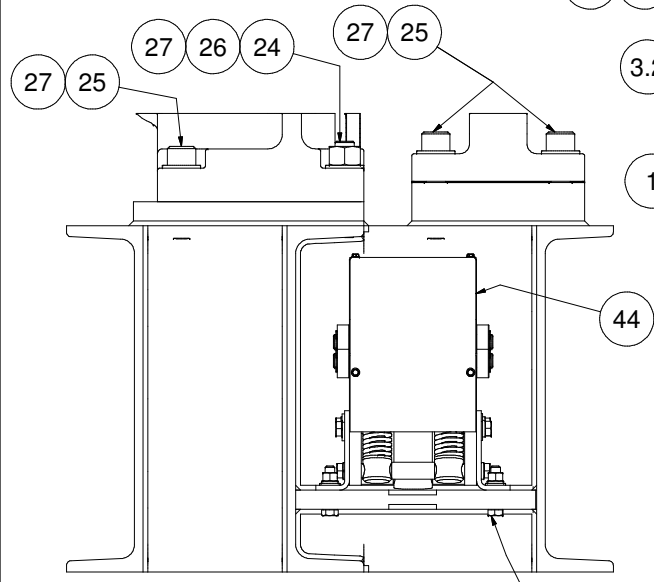
SHEET D DATE 5/21/2014 GL101-622

SEE OTHER SIDE FOR REVISIONS



1:1 APPLICATIONS USING 2:1 WINDINGS						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL131-20L	GL130-170-200	90.6	130	170	101.9	533
GL131-20H	GL130-360-200	90.7	130	360	101.9	533
GL131-35L	GL130-170-350	93.1	130	170	178.3	933
GL131-35H	GL130-360-350	93	130	360	178.3	933

MACHINE REQUIRES ONE (1) PRIMARY SERVICE BRAKE AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 620 ROPE GRIPPER (NOT INCLUDED) SHOWN ON LEFT SIDE, RIGHT SIDE SIMILAR. ROPE GRIPPER BOLT-DOWN HARDWARE INCLUDED.



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171B-620	BASE FABRICATION - FINISHED
2	1	GL130-001	BASE HOUSING, MOTOR #GL130
3	1	GL131-002	ROTOR ASSEMBLY, MOTOR #GL131
3.1	1	GL131-004	ROTOR
3.2	28	GL130-099	PERMANENT MAGNET - MOTOR #GL130
4	1	GL130A-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" TRACTION SHEAVE (WIDE)
7	1	GL131-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL100-095	KEY - ROTOR TO SHAFT
19	1	GL130-100	WINDING ASSEMBLY - 28 POLE
20	1	GL130-144	DISC BRAKE (MAYR #8) - MRL
20.1	1	GL130-144-115	MAYR #8; RSD8 510 03 52V8211833
20.2	1	144-001	BRAKE BASE
20.3	1	144-002	ADAPTOR PLATE - BRAKE BASE
20.4	1	144-003	COVER - MAYR #8 ELECTRICAL
20.5	2	144-012	BRAKE ROD
20.6	4	1/2 - 13 UNC x 1.75"	HEX HEAD CAP SCREW
20.7	4	1/2-13 UNC x 1.5	FLAT HEAD CAP SCREW
20.8	4	1/2" WASHER	STANDARD WASHER
20.9	2	3/8-16 UNC x 0.625	Hexagon Socket Set Screw - Flat Point
21	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM STOCK - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"
22	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
23	1	GL100-165	FELT DUST SEAL
24	2	1 - 8 UNC x 5	ALL THREAD - GRADE 5
25	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
26	2	1 - 8 UNC NUT	HEAVY HEX NUT
27	8	1" WASHER	SAE WASHER
28	8	M18 LOCK WASHER	HELICAL SPRING LOCK WASHER - BODY BOLT
29	2	3/4-10 UNCx0.75	HALF DOG SET SCREW
30	1	1/2-13 UNCx0.5	HALF DOG SET SCREW
31	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
32	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
33	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
34	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
35	8	0.375 WASHER	CAP SCREW LOCK WASHER
36	6	3/8 WASHER	STANDARD LOCK
37	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
38	4	#8 WASHER	INT. TOOTH LOCKWASHER
39	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
40	4	1/2 - 13 UNC x 2.25"	HEX HEAD CAP SCREW
41	4	1/2 - 13 UNC	NUT - STANDARD HEX
42	4	1/2 LOCK WASHER	STANDARD LOCK WASHER
43	4	1/2" WASHER	STANDARD WASHER
44	1	620	NOT INCLUDED- SHOWN FOR CLARITY

Weight: 2475.71 lbmass

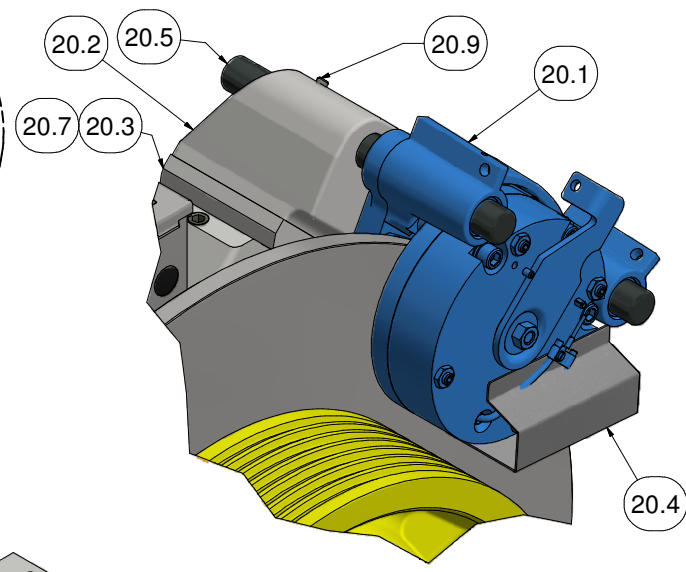
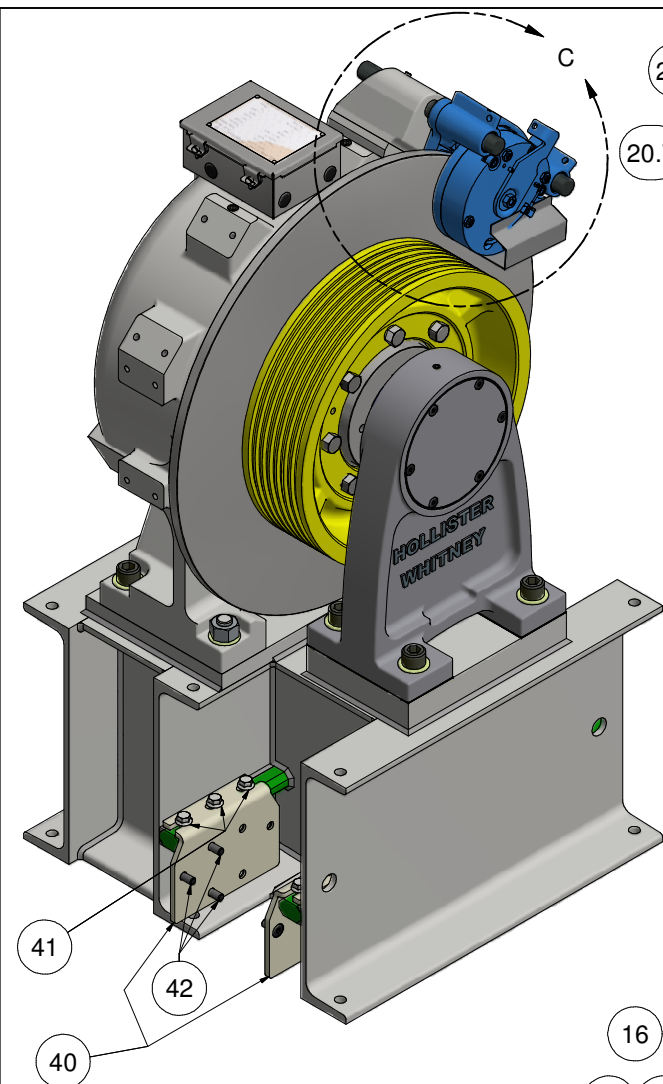
HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE, 1500# @ 50% CB, 1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED

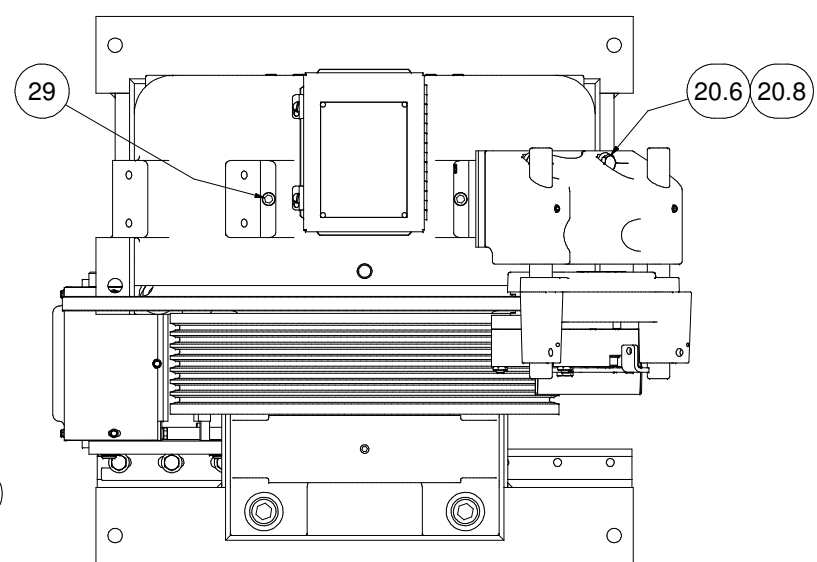
SCALE	MATERIAL	DIMENSIONAL TOL.
LTL	NA	1 PLACE ±0.01, 2 PLACE ±0.005
DATE	8/13/2014	3/4 PLACE ±0.001, ANGLES ±0.1°
SHEET SIZE	D	REF. OPEN, (NOMINAL) ± 0.0150

DRAWN BY LTL 6/23/16
 CHECKED BY LTL 8/13/14
 DATE 8/13/2014
 SHEET SIZE D
 SEE PARTS LIST
 PUR #658
 PUR #788
 PUR #658

GL131-620

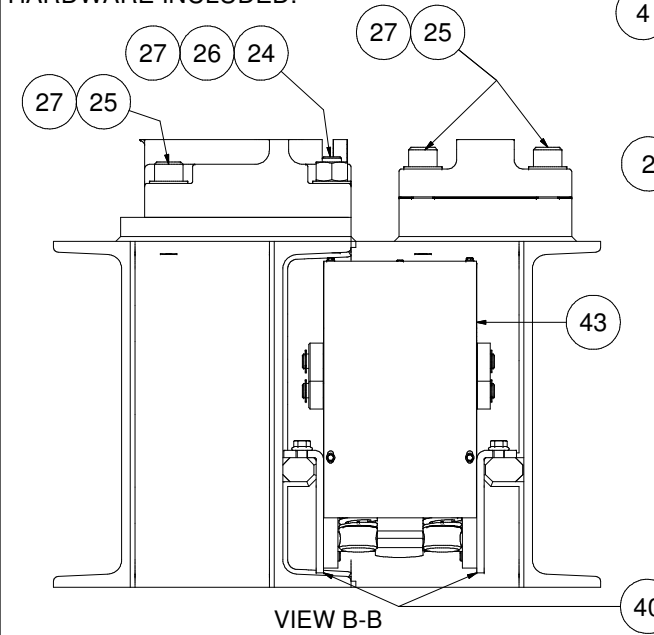


DETAIL C

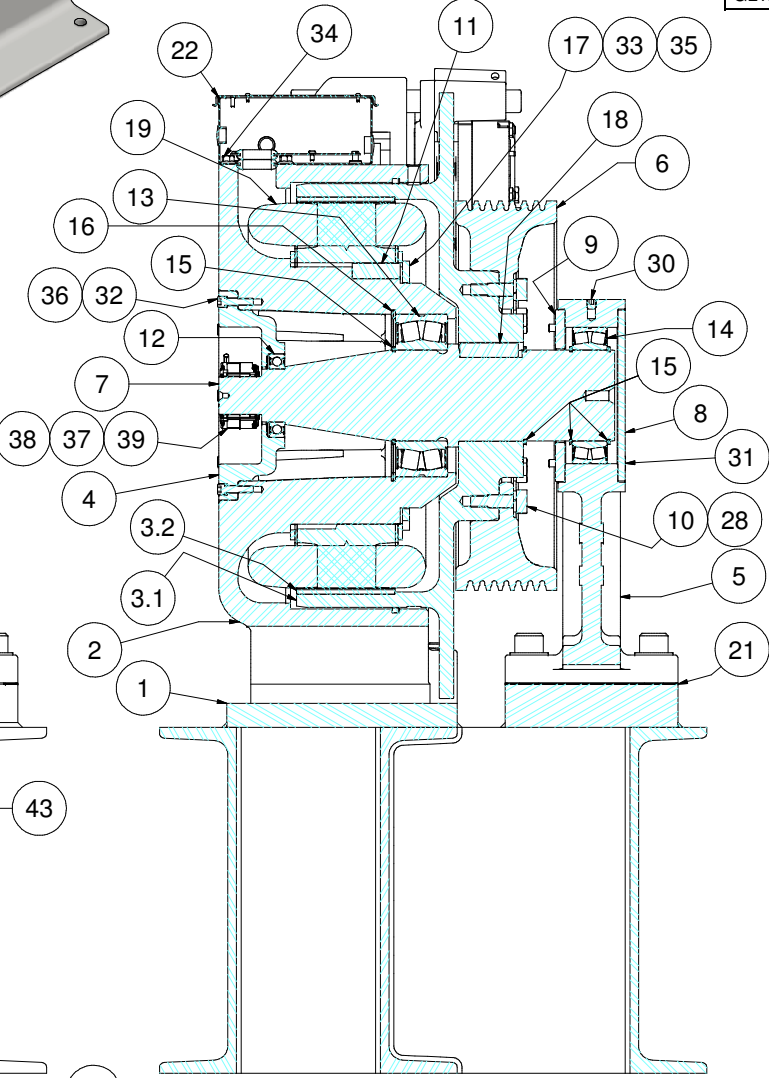


1:1 APPLICATIONS USING 2:1 WINDINGS						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL131-20L	GL130-170-200	90.6	130	170	101.9	533
GL131-20H	GL130-360-200	90.7	130	360	101.9	533
GL131-35L	GL130-170-350	93.1	130	170	178.3	933
GL131-35H	GL130-360-350	93	130	360	178.3	933

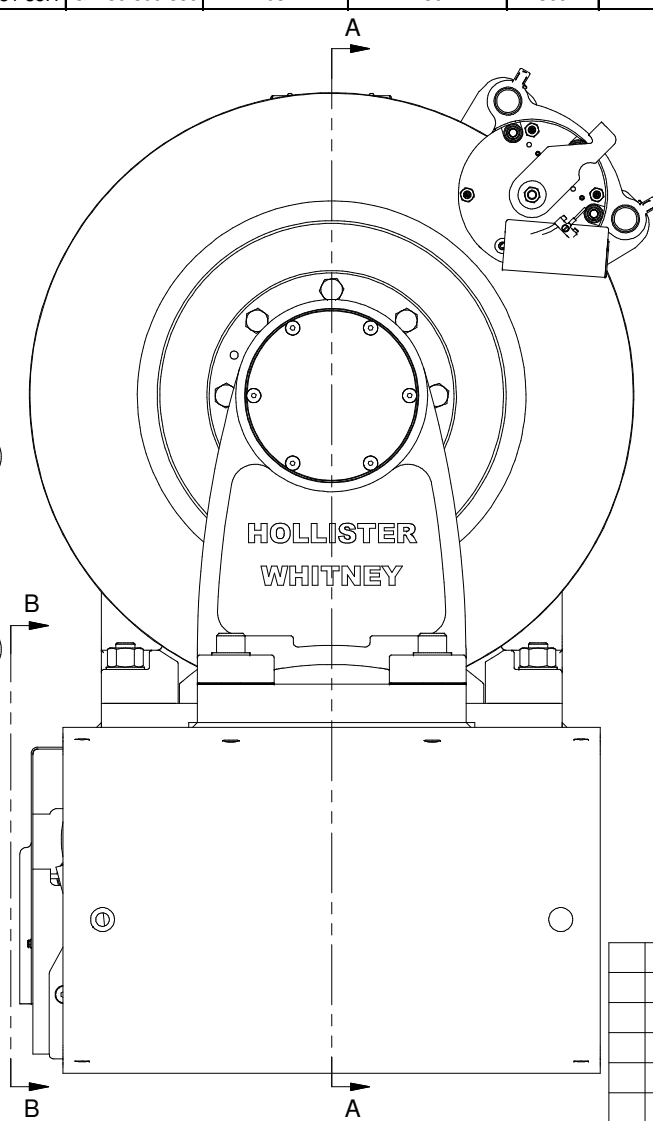
MACHINE REQUIRES ONE (1) PRIMARY SERVICE BRAKE AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 622 ROPE GRIPPER (NOT INCLUDED) SHOWN ON LEFT SIDE, RIGHT SIDE SIMILAR. ROPE GRIPPER MOUNTING ANGLES AND BOLT-DOWN HARDWARE INCLUDED.



VIEW B-B



SECTION A-A



B

A

ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	GL171B-622	BASE FABRICATION - FINISHED	
2	1	GL130-001	BASE HOUSING, MOTOR #GL130	
3	1	GL131-002	ROTOR ASSEMBLY, MOTOR #GL131	
	3.1	1	GL131-004	ROTOR
	3.2	28	GL130-099	PERMANENT MAGNET - MOTOR #GL130
4	1	GL130A-005	BEARING CAP	
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS	
6	1	GL100-010	20" TRACTION SHEAVE (WIDE)	
7	1	GL131-018	MAIN SHAFT	
8	1	GL185-019	END CAP	
9	1	GL171-020	BEARING END CAP	
10	8	GL100-073	BODY BOLT	
11	1	GL100-088	KEY - STATOR CORE TO BASE	
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL	
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING	
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER	
15	4	GL130-092	RETAINING RING - SHAFT	
16	1	GL130-093	RETAINING RING - HOUSING	
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY	
18	1	GL100-095	KEY - ROTOR TO SHAFT	
19	1	GL130-100	WINDING ASSEMBLY - 28 POLE	
20	1	GL130-144	DISC BRAKE (MAYR #8) - MRL	
	20.1	1	GL130-144-115	MAYR #8; RSD8 510 03 52V8211833
	20.2	1	144-001	BRAKE BASE
	20.3	1	144-002	ADAPTOR PLATE - BRAKE BASE
	20.4	1	144-003	COVER - MAYR #8 ELECTRICAL
	20.5	2	144-012	BRAKE ROD
	20.6	4	1/2 - 13 UNC x 1.75"	HEX HEAD CAP SCREW
	20.7	4	1/2-13 UNC x 1.5	FLAT HEAD CAP SCREW
	20.8	4	1/2" WASHER	STANDARD WASHER
	20.9	2	3/8-16 UNC x 0.625	FLAT POINT SET SCREW
21	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"	
		GL171-157-10	OUTBOARD STAND SHIM STOCK - 0.010"	
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"	
22	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED	
23	1	GL100-165	FELT DUST SEAL	
24	2	1 - 8 UNC x 5	ALL THREAD - GRADE 5	
25	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW	
26	2	1 - 8 UNC NUT	HEAVY HEX NUT	
27	8	1" WASHER	SAE WASHER	
28	8	M18 LOCK WASHER	HELICAL SPRING LOCK WASHER - BODY BOLT	
29	2	3/4-10 UNCx0.75	HALF DOG SET SCREW	
30	1	1/2-13 UNCx0.5	HALF DOG SET SCREW	
31	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS	
32	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW	
33	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW	
34	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT	
35	6	3/8 WASHER	STANDARD LOCK	
36	8	0.375 WASHER	CAP SCREW LOCK WASHER	
37	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW	
38	4	#8 WASHER	INT. TOOTH LOCKWASHER	
39	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER	
40	2	622-041-GL	MOUNTING ANGLE, GL171-622 BASE	
41	6	1/2-13 UNC x 1.25	FLANGE HEAD HEX BOLT	
42	6	1/2 - 13 UNC x 1.25	FLAT HEAD CAP SCREW	
43	1	622	NOT INCLUDED, SHOWN FOR CLARITY ONLY	

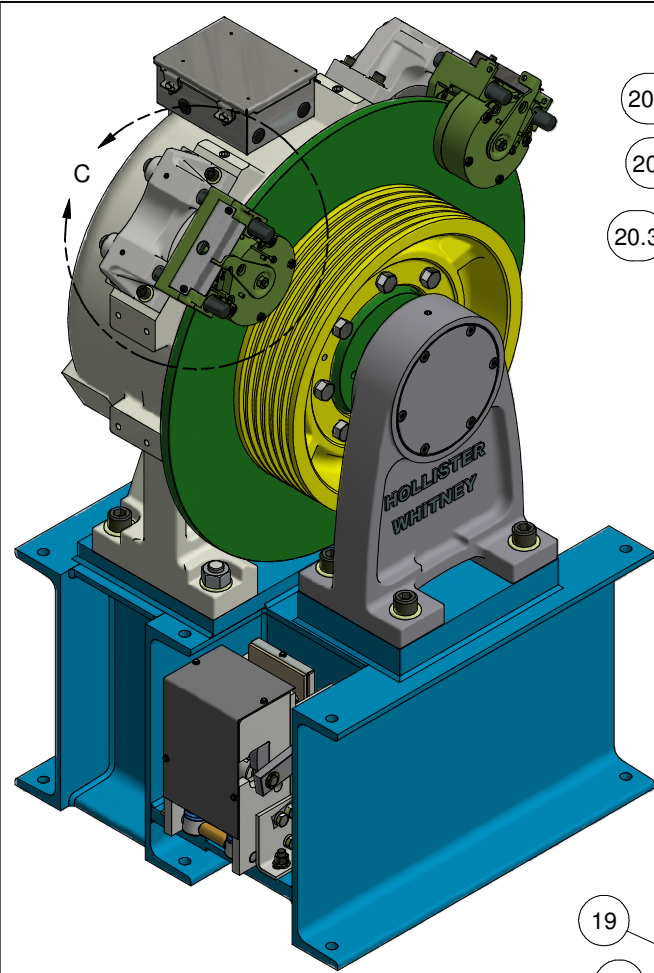
Weight: 2476.00 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.

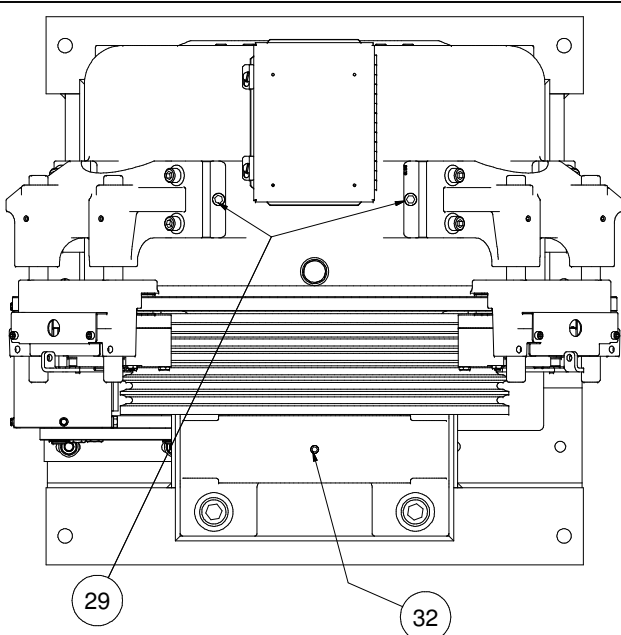
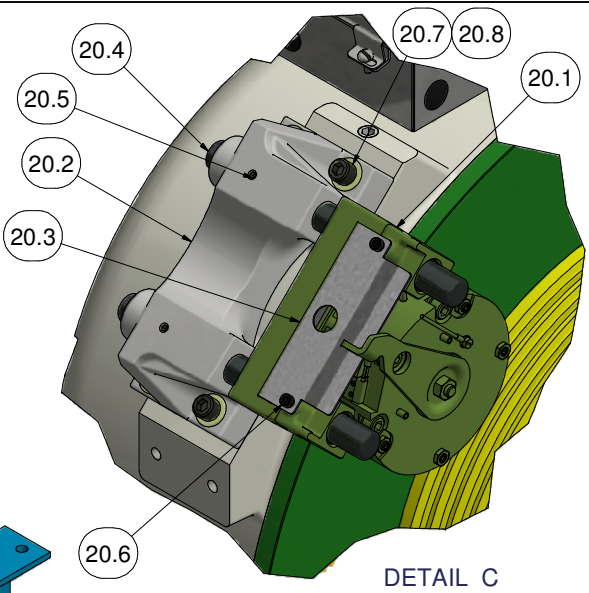
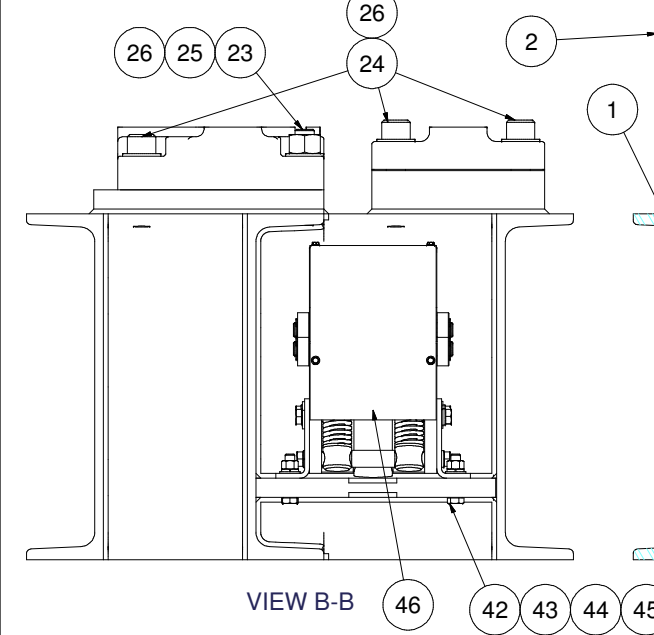
TITLE GEARLESS MACHINE, 1500# @ 50% CB,
1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED

B	GL185-019 WAS GL171-019, PUR #788	LTL 6/23/16	LTL NA	SCALE	MATERIAL	DIMENSIONAL TOL. 1 PLACE ±0.01, 2 PLACE ±0.005 3/8 PLACE ±0.001, ANGLES ±0.1 REF. OPEN, (NOMINAL) ± 0.0150
A	PRODUCTION RELEASE, PUR #658	LTL 8/14/14	SHEET SIZE	D	DATE 8/13/2014	SEE PARTS LIST

GL131-622

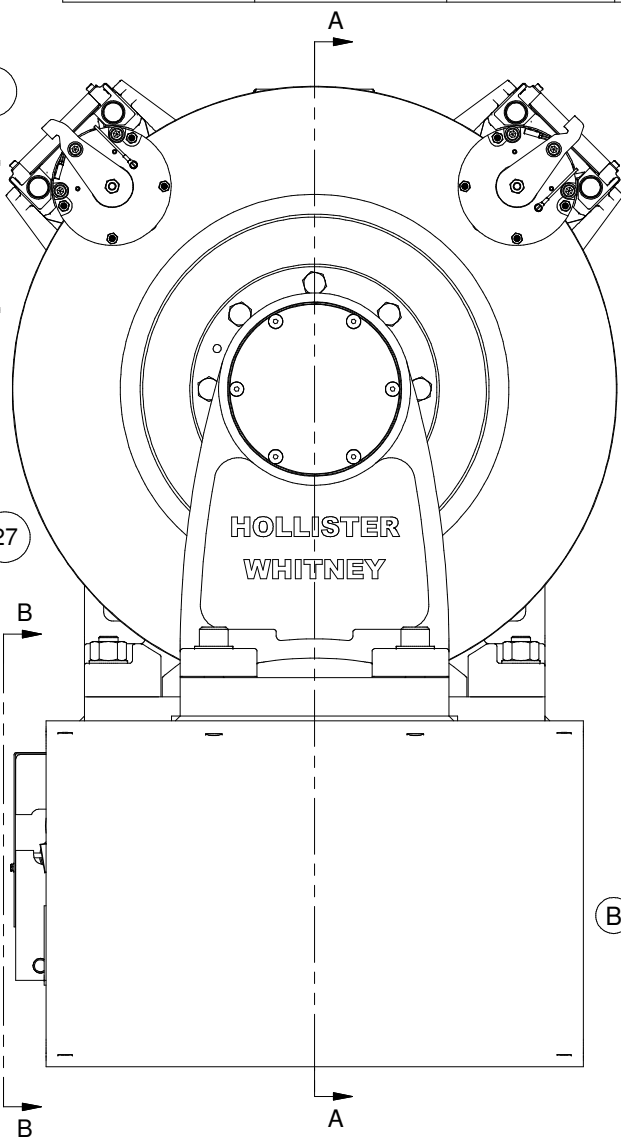


MACHINE REQUIRES TWO (2) PRIMARY SERVICE BRAKES AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 620 ROPE GRIPPER (NOT INCLUDED) SHOWN ON LEFT SIDE. RIGHT SIDE SIMILAR. BOLT-DOWN HARDWARE INCLUDED.



GEARLESS WINDINGS, 2000 lb CAPACITY, 1:1

ACG MACHINE	WINDING P/N	MAG WIDTH	VOLTAGE	CAR SPEED
GL171-20L-620	GL171-170-200	170 mm	170 Vac	200 fpm
GL171-20H-620	GL171-360-200	170 mm	360 Vac	200 fpm
GL171-40L-620	GL171-170-400	170 mm	170 Vac	400 fpm



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171B-620	BASE FABRICATION - FINISHED
2	1	GL170-001	BASE HOUSING, MOTOR #GL170
3	1	GL171-002	ROTOR ASSEMBLY, MOTOR #GL171
4	1	GL130-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL171-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL100-089	Bearing, Sealed Double Row Cylindrical Roller
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL171-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL171-100	WINDING ASSEMBLY - 28 POLE, 1:1 Application
20	2	GL170-100	WINDING ASSEMBLY - 28 POLE (2:1 IN 1:1 APL), SEE BELOW
20.1	2	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
20.2	2	142-001	BRAKE BASE
20.3	2	146-003	COVER - MAYR #6 ELECTRICAL
20.4	4	142-012	BRAKE ROD
20.5	4	3/8-16 UNC x 0.375	SET SCREW
20.6	4	M6 x 1.00 x 8mm	SHCS - Metric
20.7	8	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
20.8	8	1/2" WASHER	STANDARD WASHER
21	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
22	1	GL100-165	FELT DUST SEAL
23	2	1 - 8 UNC x 5	ALL THREAD - GRADE 5
24	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
25	2	1 - 8 UNC NUT	HEAVY HEX NUT
26	8	1" WASHER	SAE WASHER
27	8	M18 LOCK WASHER	HELICAL SPRING LOCK WASHER - BODY BOLT
28	3	3/4 - 10 UNC x 1.0	HEX HEAD CAP SCREW
29	2	3/4-10 UNC x 0.75	Hexagon Socket Set Screw - Flat Point
30	3	3/4 WASHER	SAE WASHER
31	3	3/4" WASHER	STANDARD LOCK WASHER
32	1	1/2-13 UNC x 0.5	Hexagon Socket Set Screw - Flat Point
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	8	3/8 - 16 UNC - 1 1/2	Hexagon Socket Head Cap Screw
35	6	3/8 - 16 UNC - 1	Hexagon Socket Head Cap Screw
36	4	3/8-16 UNC x 0.625	Hex Flange Screw - Regular Thread - Inch
37	6	0.375 WASHER	Helical Spring Lock Washers
38	8	0.375 WASHER	CAP SCREW LOCK WASHER
39	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
40	4	#8 WASHER	INT. TOOTH LOCKWASHER
41	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
42	4	1/2-13 UNC - 2.25	Hex Cap Screw
43	4	1/2 - 13 UNC	Hex Nuts (Inch Series) Hex Nut
44	4	1/2 WASHER	Regular Helical Spring Lock Washers(Inch Series)
45	4	1/2 WASHER	Plain Washer (Inch)Type A and B
46	1	620	NOT INCLUDED- SHOWN FOR CLARITY
47	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"

2:1 GEARLESS WINDINGS USED 1:1, 1500 lb CAP

ACG MACHINE	PART NO.	MAGNET WIDTH	VOLTAGE	CAR SPEED
GL171-35L-620	GL170-170-350	170 mm	170 Vac	900 fpm
GL171-35H-620	GL170-360-350	170 mm	360 Vac	900 fpm

Weight: 2595.17 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE: GEARLESS MACHINE W/620, 2000# MAX CAP. 1:1 ROPED

REVISIONS:

REV	DESCRIPTION	DATE
E	REMOVE GL100-008, PUR #548	5/20/14
D	BRAKE UPDATE, 1" BOLTS TO SHCS, 1" ALL THREAD & HEAVY NUT, PUR #608	8/22/13
C	GL171-095 WAS GL100-095, PUR #565	2/4/13
B	ADD WINDING OPTIONS, PUR #554	12/28/12
F	ADD SHIMS, GL185-019 WAS GL171-019, PUR #788	6/22/16

PRODUCTION RELEASE, PUR #538, 11/1/12

DATE: 11/1/2012

SHEET SIZE: D

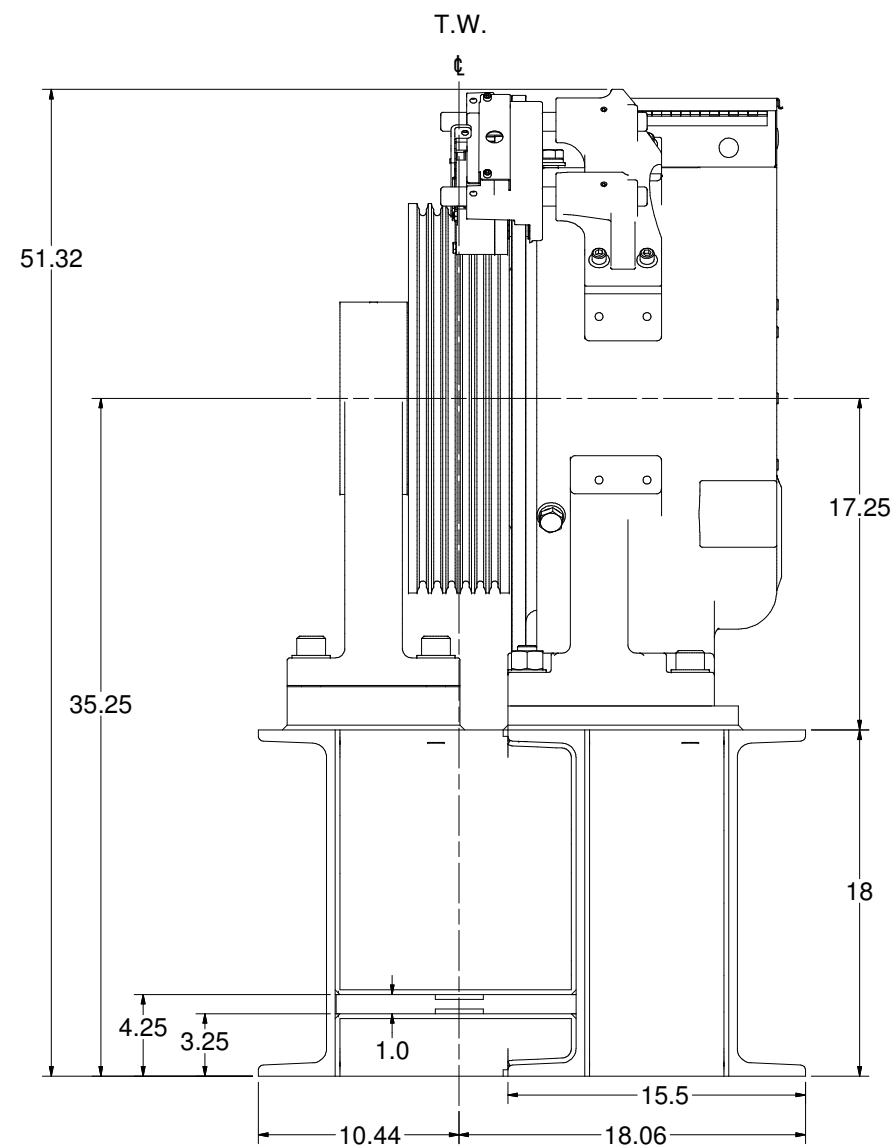
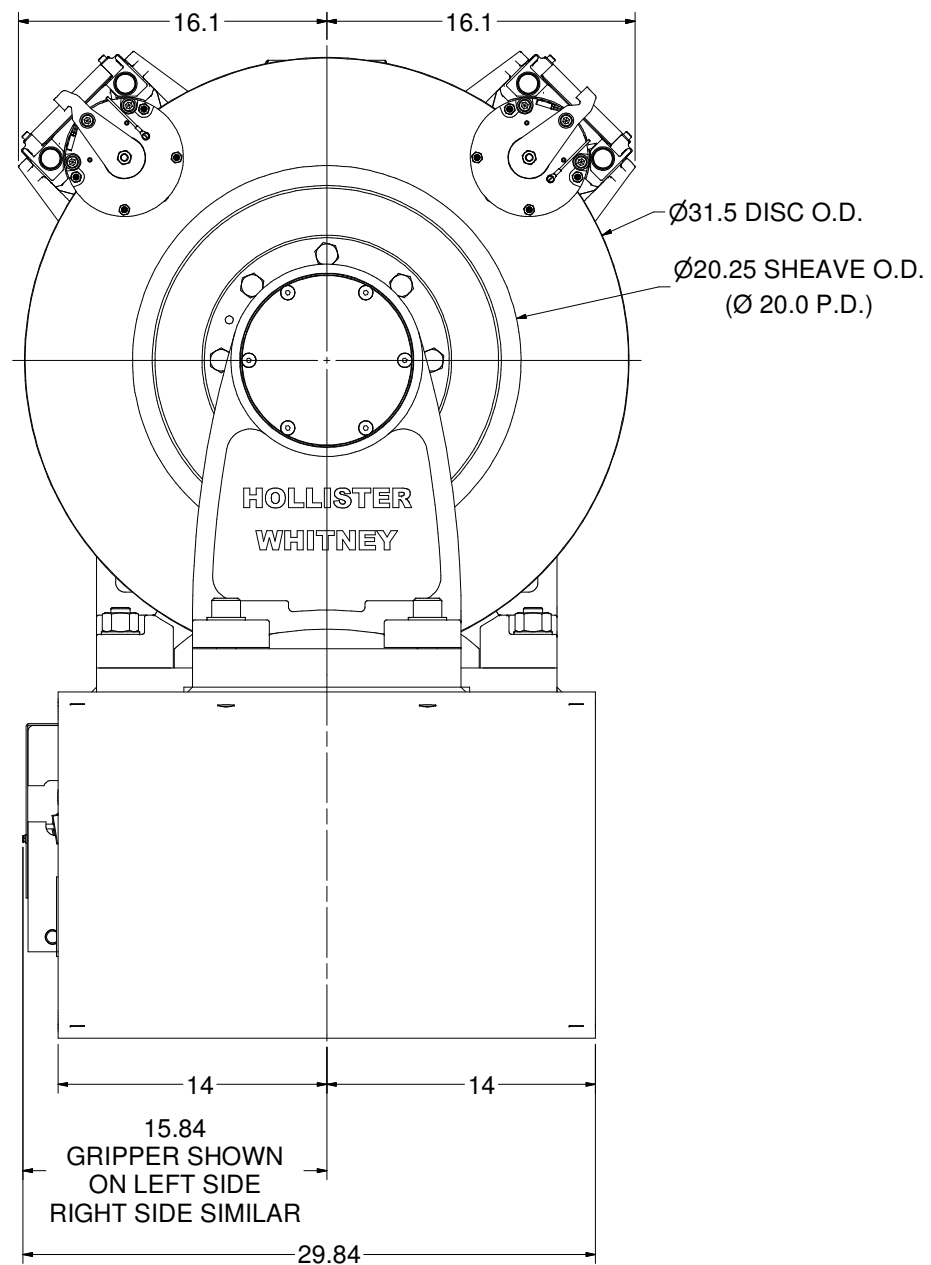
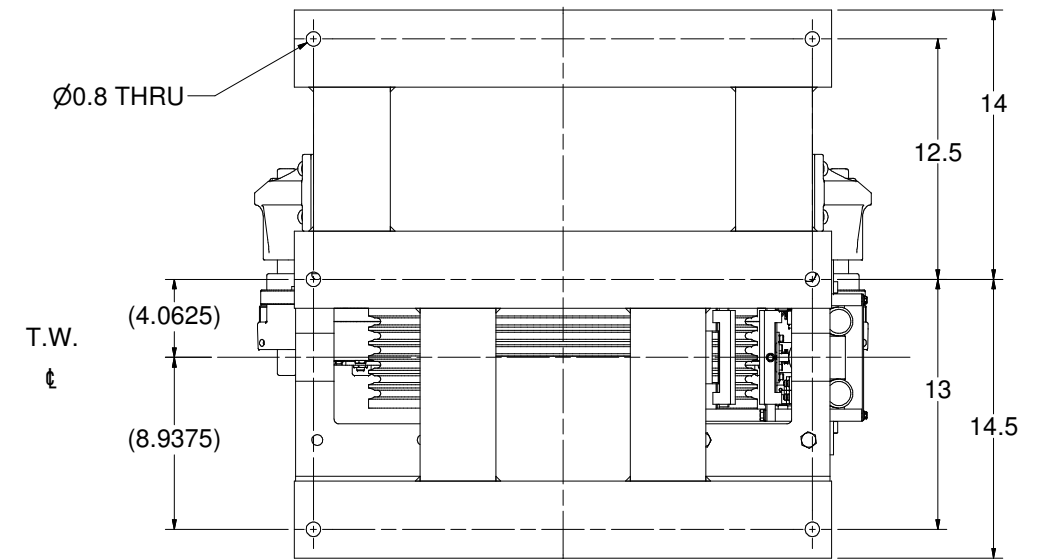
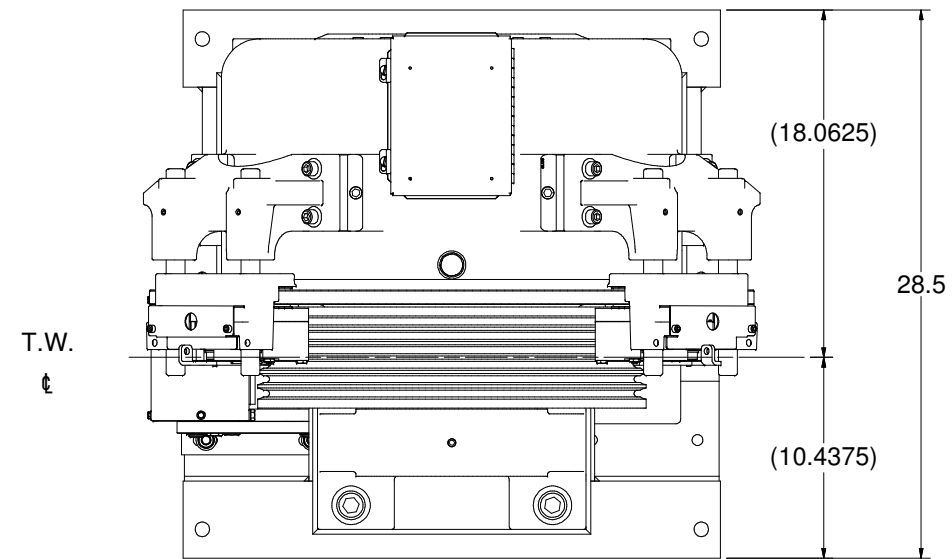
DRAWN BY: NA

SCALE: SEE PARTS LIST

MATERIAL: SEE PARTS LIST

DIMENSIONAL TOL: 1 PLACE ±0.01, 2 PLACE ±0.005, 3&4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150

GL171-620



Weight: 2595.17 lbmass

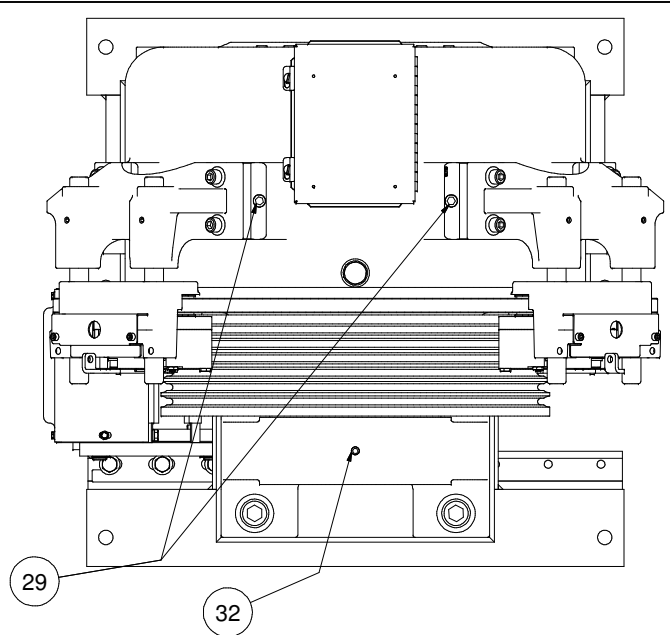
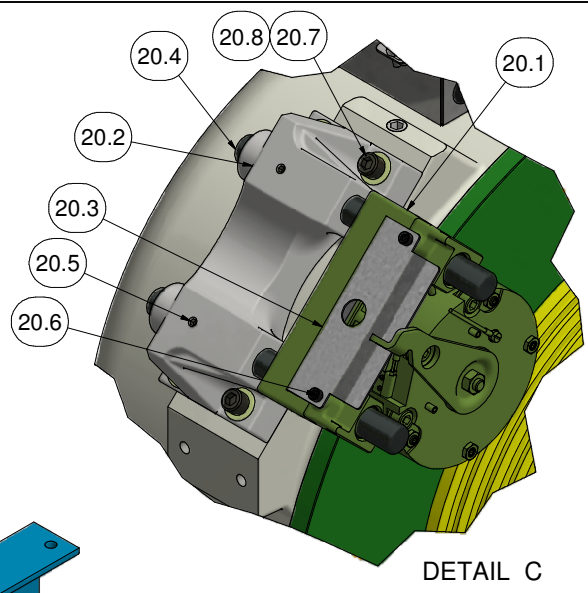
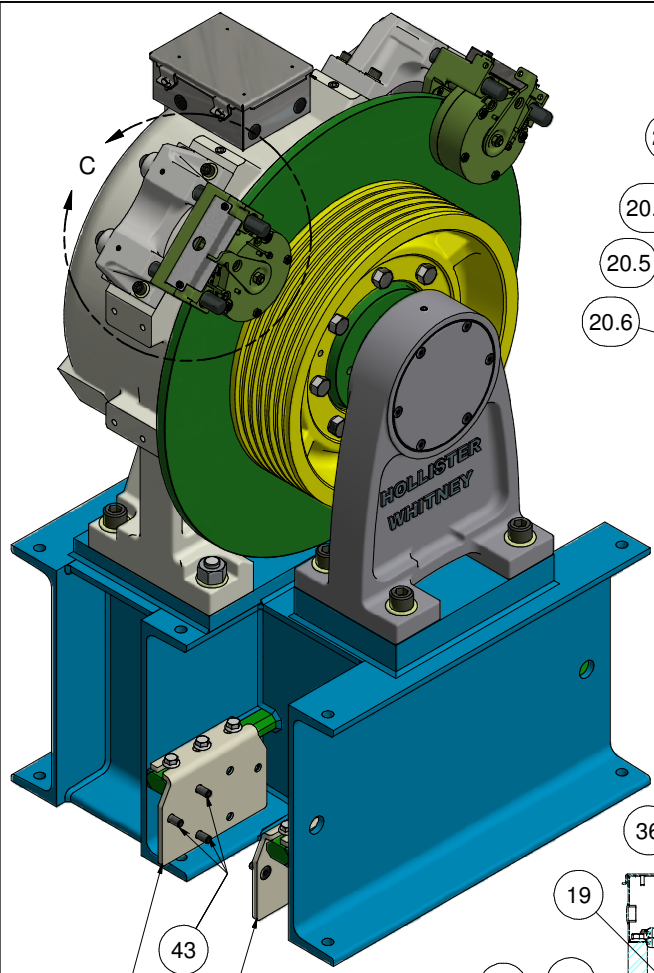
HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE GEARLESS MACHINE W/620, 2000# MAX
CAP. 1:1 ROPED

SEE OTHER
SIDE FOR
REVISIONS

DRAWN BY LTL
SCALE NA
MATERIAL SEE PARTS LIST
DATE 11/1/2012

DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3&4 PLACE ±0.001, ANGLES ±0.1
REF. OPEN, (NOMINAL) ± 0.0150

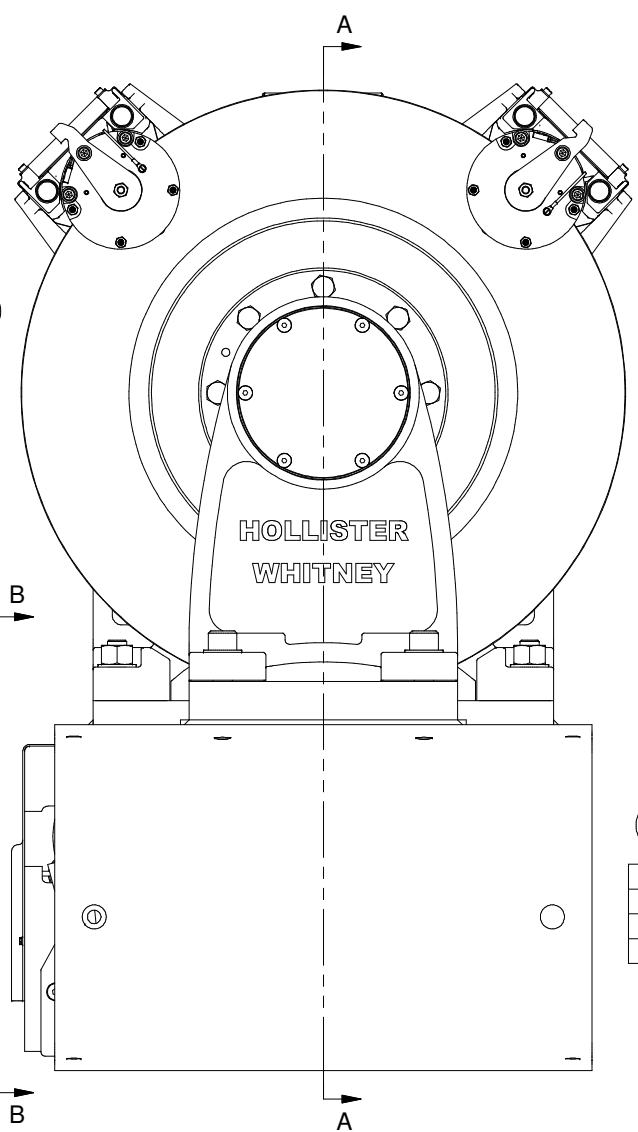
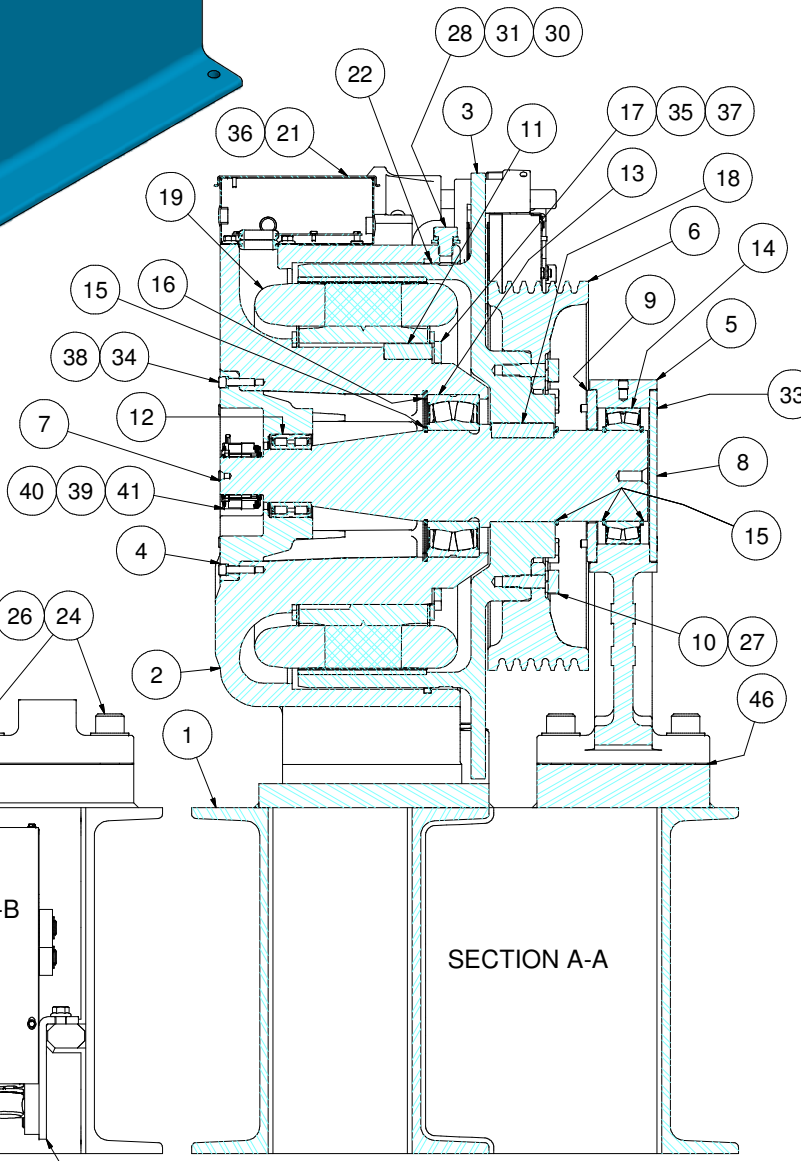
GL171-620



GEARLESS WINDINGS, 2000 lb CAPACITY, 1:1

ACG MACHINE	WINDING P/N	MAG WIDTH	VOLTAGE	CAR SPEED
GL171-20L-622	GL171-170-200	170 mm	170 Vac	200 fpm
GL171-20H-622	GL171-360-200	170 mm	360 Vac	200 fpm
GL171-40L-622	GL171-170-400	170 mm	170 Vac	400 fpm

MACHINE REQUIRES TWO (2) PRIMARY SERVICE BRAKES AND ONE ROPE GRIPPER FOR EMERGENCY SERVICE. 622 ROPE GRIPPER SHOWN ON LEFT SIDE, RIGHT SIDE SIMILAR.



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171B-622	BASE FABRICATION - FINISHED
2	1	GL170-001	BASE HOUSING, MOTOR #GL170
3	1	GL171-002	ROTOR ASSEMBLY, MOTOR #GL171
4	1	GL130-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL171-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL100-089	Bearing, Sealed Double Row Cylindrical Roller
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL171-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL171-100	WINDING ASSEMBLY - 28 POLE, 1:1 Application
20	2	GL170-100	WINDING ASSEMBLY - 28 POLE (2:1 IN 1:1 APL) SEE BELOW
20.1	2	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
20.2	2	142-001	BRAKE BASE
20.3	2	146-003	COVER - MAYR #6 ELECTRICAL
20.4	4	142-012	BRAKE ROD
20.5	4	3/8-16 UNC x 0.375	SET SCREW
20.6	4	M6 x 1.00 x 8mm	SHCS - Metric
20.7	8	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
20.8	8	1/2" WASHER	STANDARD WASHER
21	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
22	1	GL100-165	FELT DUST SEAL
23	2	1 - 8 UNC x 5	ALL THREAD - GRADE 5
24	6	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
25	2	1 - 8 UNC NUT	HEAVY HEX NUT
26	8	1" WASHER	SAE WASHER
27	8	M18 LOCK WASHER-DIN 127B	HELICAL SPRING LOCK WASHER - BODY BOLT
28	3	3/4 - 10 UNC x 1.0	HEX HEAD CAP SCREW
29	2	3/4-10 UNC x 0.75	Hexagon Socket Set Screw - Flat Point
30	3	3/4 WASHER	SAE WASHER
31	3	3/4" WASHER	STANDARD LOCK WASHER
32	1	1/2-13 UNC x 0.5	Hexagon Socket Set Screw - Flat Point
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	8	3/8 - 16 UNC - 1 1/2	Hexagon Socket Head Cap Screw
35	6	3/8 - 16 UNC - 1	Hexagon Socket Head Cap Screw
36	4	3/8-16 UNC x 0.625	Hex Flange Screw - Regular Thread - Inch
37	6	0.375 WASHER	Helical Spring Lock Washers
38	8	0.375 WASHER	CAP SCREW LOCK WASHER
39	4	#8 WASHER	INT. TOOTH LOCKWASHER
40	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
41	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
42	2	622-041-GL	MOUNTING ANGLE, GL171-622 BASE
43	6	1/2 - 13 UNC x 1.25	FLAT HEAD CAP SCREW
44	6	1/2-13 UNC x 1.25	HEX FLANGE HEAD SCREW
45	1	622	NOT INCLUDED, SHOWN FOR CLARITY ONLY
46	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"

2:1 GEARLESS WINDINGS USED 1:1, 1500 lb CAP

ACG MACHINE	PART NO.	MAGNET WIDTH	VOLTAGE	CAR SPEED
GL171-35L-622	GL170-170-350	170 mm	170 Vac	900 fpm
GL171-35H-622	GL170-360-350	170 mm	360 Vac	900 fpm

Weight: 2595.43 lbmass

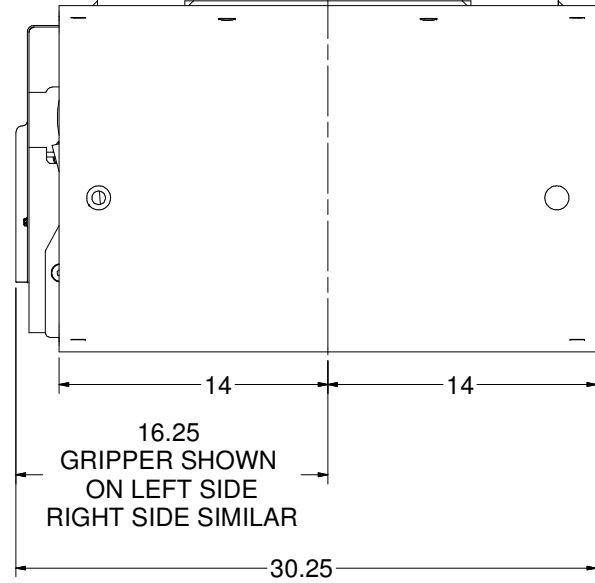
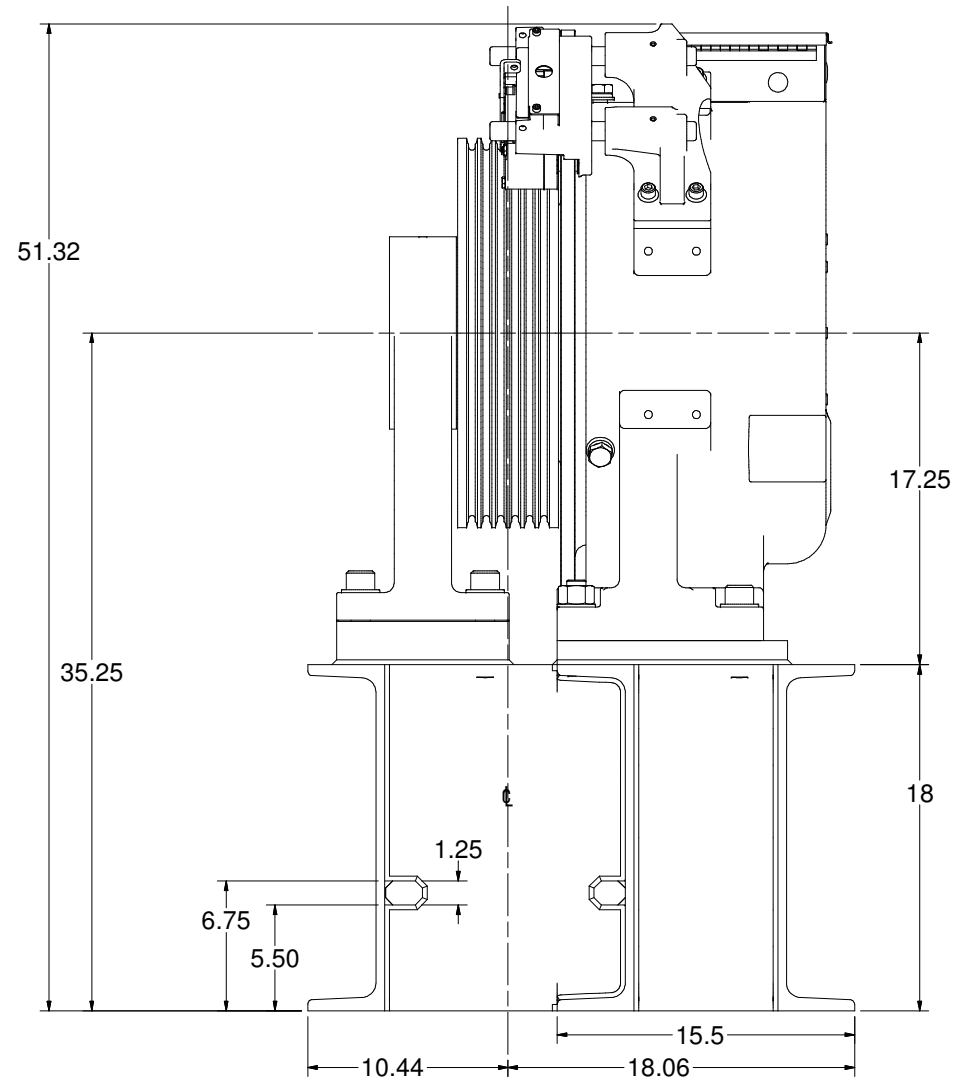
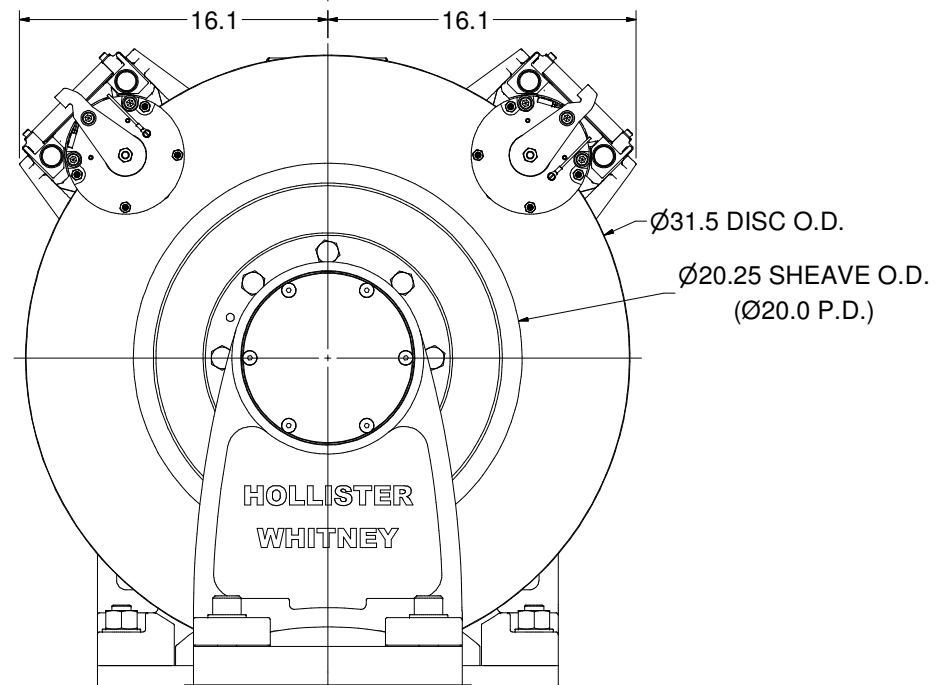
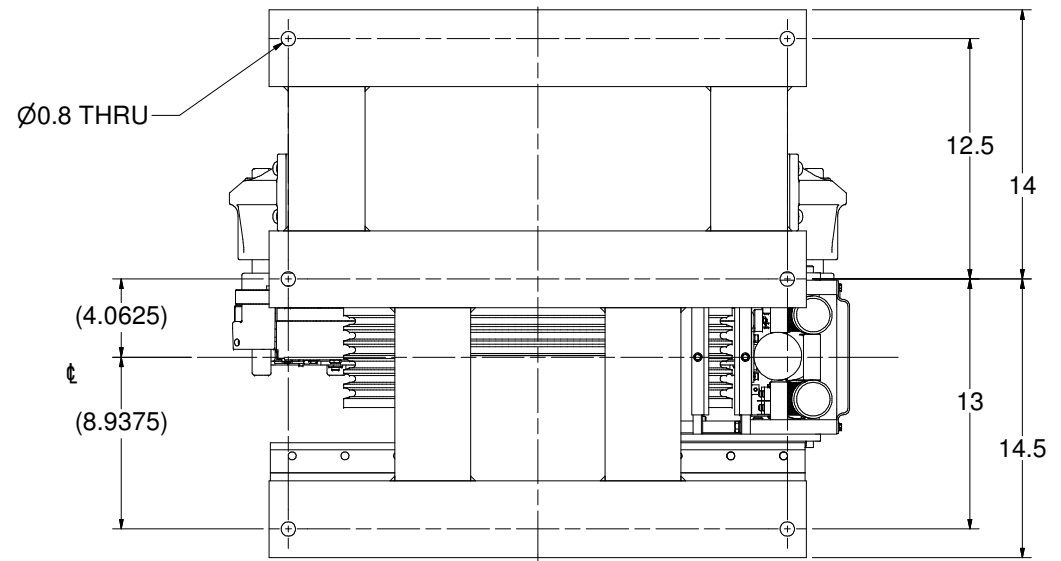
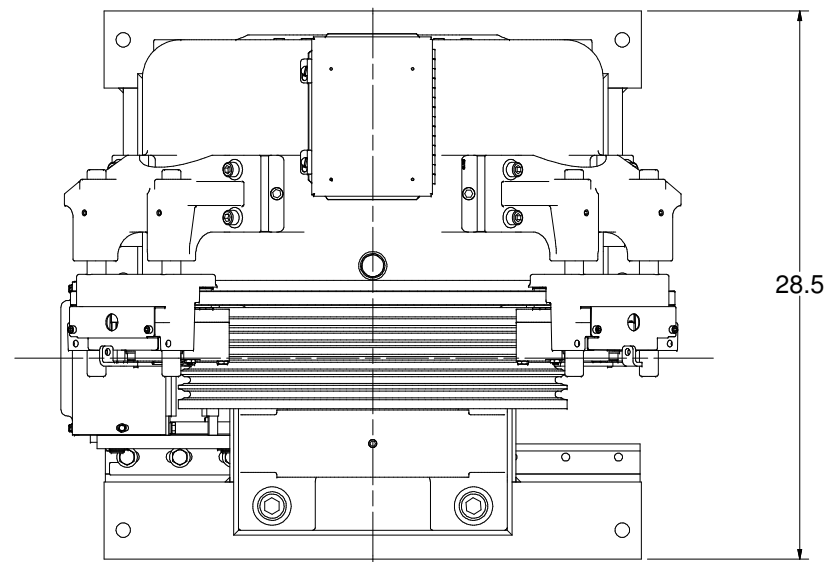
HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE GEARLESS MACHINE W/622, 2000# MAX CAP. 1:1 ROPED

REV	DESCRIPTION	DATE	BY	SCALE	MATERIAL
E	UPDATE BRAKE, 1" BOLTS TO SHCS, ADD 1" ALL THREAD & NUT, PUR #608	8/22/13			
D	GL171-095 WAS GL100-095, PUR #565	2/4/13			
C	ADD WINDING OPTIONS, PUR #554	12/28/12			
B	ASSEMBLY UPDATE, PUR #532	10/22/12			
F	REMOVE GL100-008, PUR #648	3/20/14			

DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3&4 PLACE ±0.001, ANGLES ±0.1°
REF. OPEN, (NOMINAL) ± 0.0150

SEE PARTS LIST
DRAWN BY LTL NA
SCALE D
DATE 9/28/2012

SHEET SIZE D
DATE 9/28/2012
GL171-622



Weight: 2595.43 lbmass

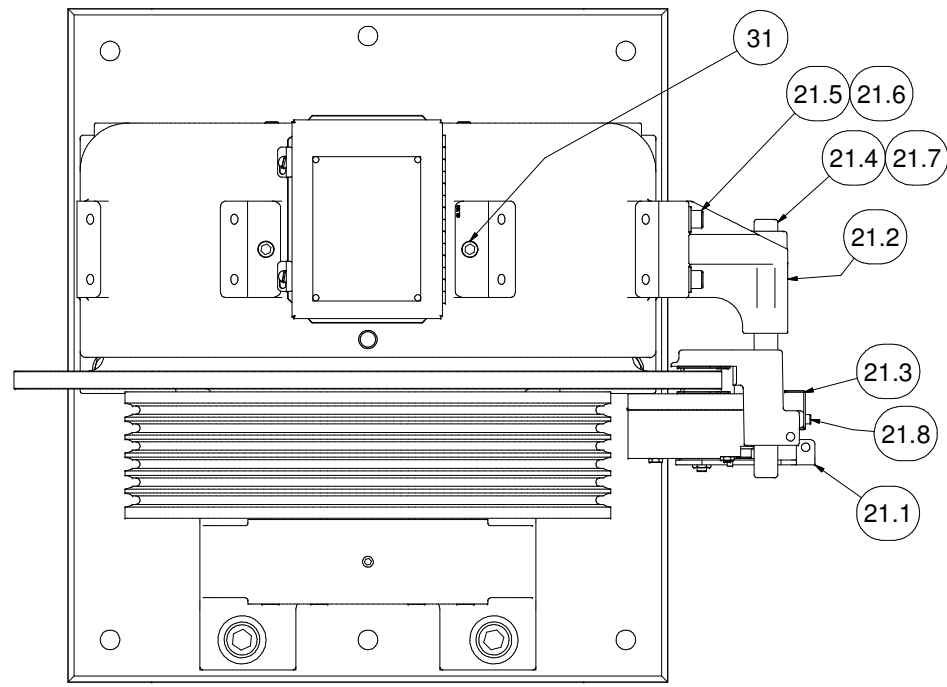
HOLLISTER-WHITNEY
ELEVATOR CO.

TITLE GEARLESS MACHINE W/622, 2000# MAX
CAP. 1:1 ROPED

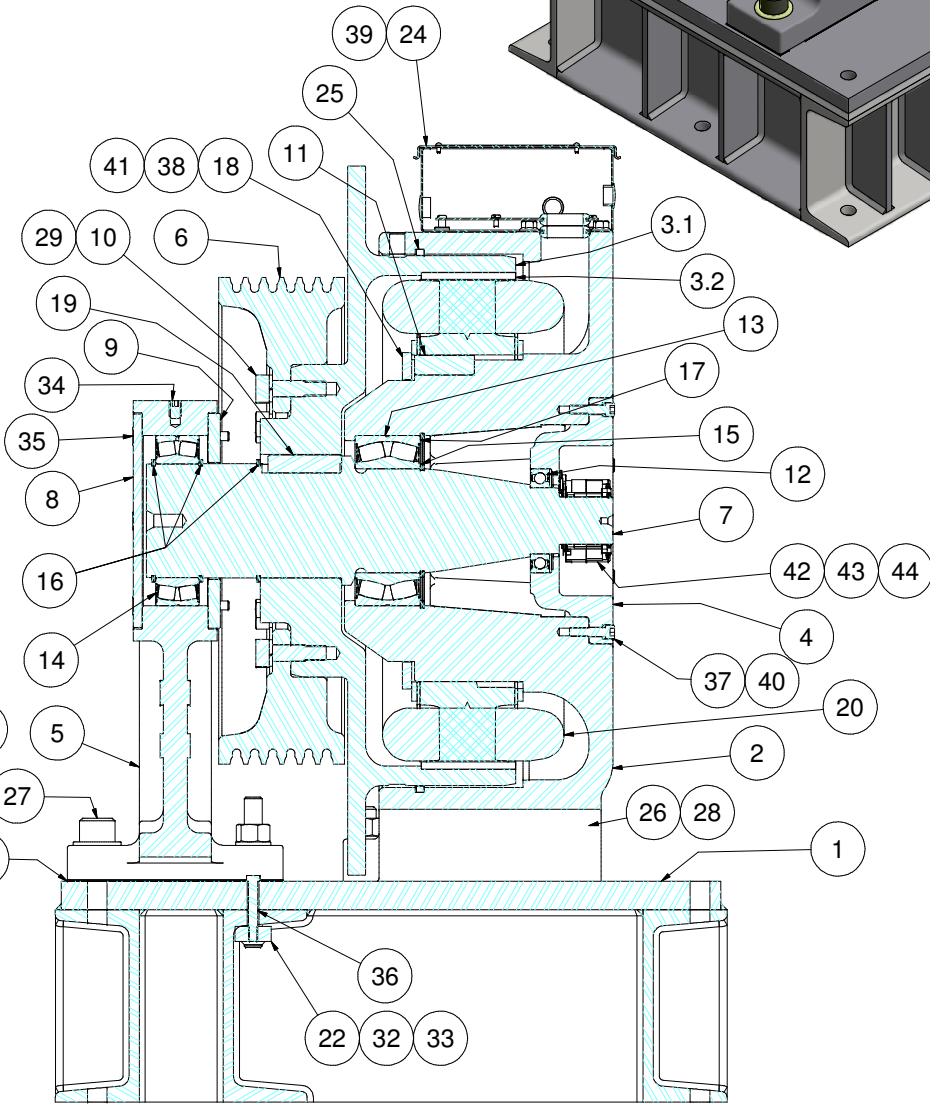
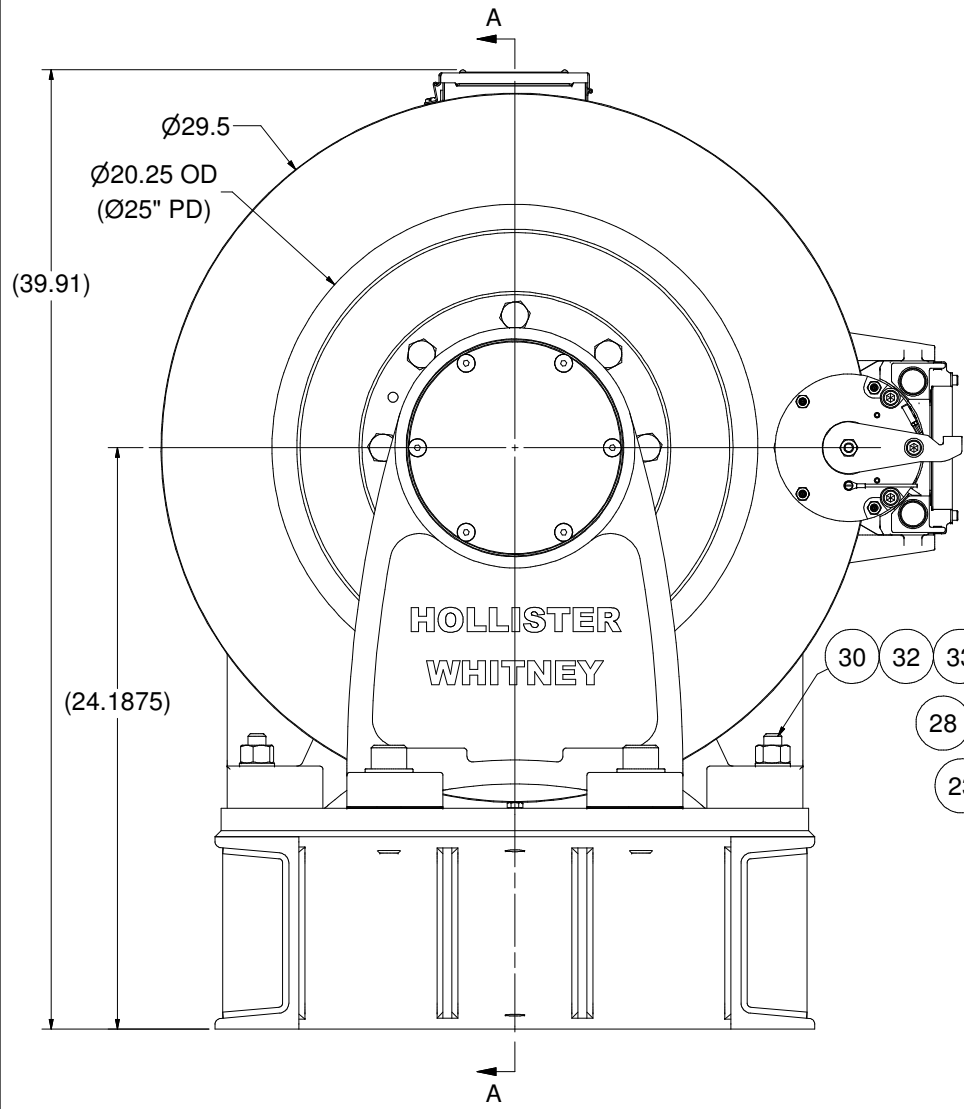
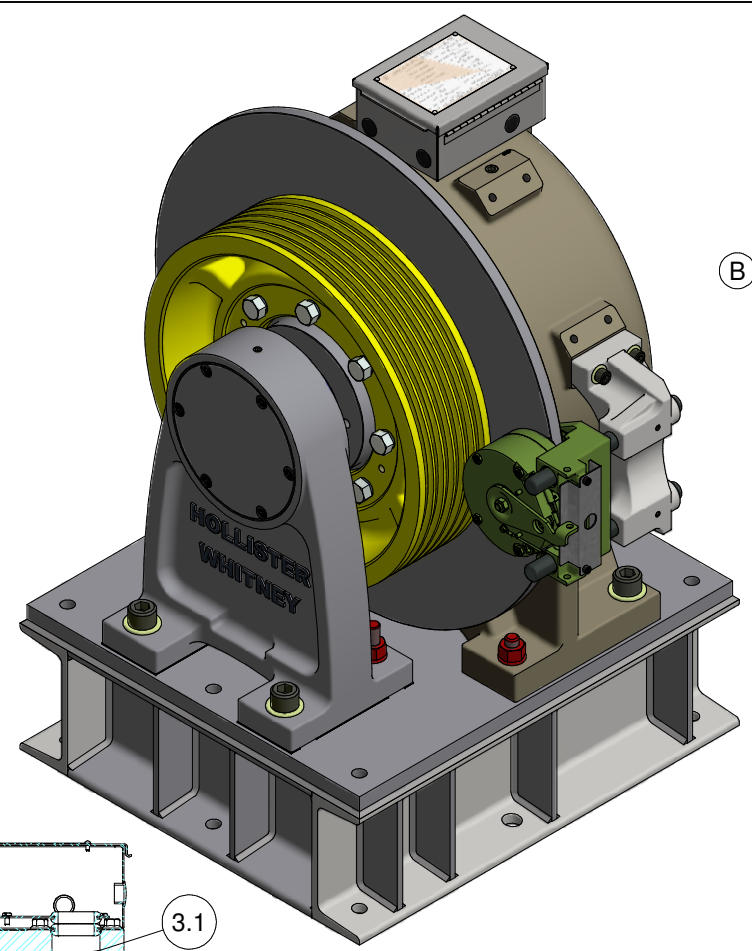
DRAWN BY LTL SCALE NA MATERIAL SEE PARTS LIST DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3/4 PLACE ±0.001, ANGLES ±0.1°
REF. OPEN, (NOMINAL) ± 0.0150

SHEET D DATE 9/28/2012 GL171-622

SEE OTHER SIDE FOR REVISIONS



PRIMARY BRAKE
SHOWN RIGHT SIDE,
LEFT SIDE SIMILAR.



SECTION A-A
SCALE 1 / 4

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL101BS-01	FINISHING BASE, BASEMENT SET, GL101
2	1	GL100-001	BASE HOUSING, MOTOR #GL100
3	1	GL101-002	ROTOR ASSEMBLY, MOTOR #GL101
3.1	1	GL101-004	ROTOR
3.2	28	GL100-099	PERMANENT MAGNET - MOTOR #GL100
4	1	GL260-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" SHEAVE, 6 x 1/2" ROPE MAX
7	1	GL101-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL100-090	Bearings, Sealed Spherical Roller
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	1	GL100-092	RETAINING RING - SHAFT
16	3	GL130-092	RETAINING RING - SHAFT
17	1	GL100-093	RETAINING RING - HOUSING
18	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
19	1	GL100-095	KEY - ROTOR TO SHAFT
20	1	GL100-100	WINDING ASSEMBLY
21	1	GL100-146	DISC BRAKE (MAYR #6) - MRL
21.1	1	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
21.2	1	142-001	BRAKE BASE
21.3	1	146-003	COVER - MAYR #6 ELECTRICAL
21.4	2	142-012	BRAKE ROD
21.5	4	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
21.6	4	1/2" WASHER	STANDARD WASHER
21.7	2	3/8-16 UNC x 0.375	SET SCREW
21.8	2	M6 x 1.00 x 8mm	SHCS - Metric
22	1	GL171BS-156-5	SHIPPING BOLT
23	AS NEC.	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"
24	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
25	1	GL100-165	FELT DUST SEAL
26	2	1 - 8 UNC x 4	SOCKET HEAD CAP SCREW
27	2	1 - 8 UNC x 3.5	SOCKET HEAD CAP SCREW
28	4	1" WASHER	SAE WASHER
29	8	M18 LOCKWASHER - DIN1278	BODY BOLT LOCK WASHER
30	2	3/4-10 X 5	HEX HEAD BOLT
31	2	3/4-10 UNCx0.875	HALF DOG SET SCREW
32	4	3/4 - 10 UNC	HEAVY HEX NUT
33	6	3/4 WASHER	SAE WASHER
34	1	1/2-13 UNCx0.75	HALF DOG SET SCREW
35	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
36	1	3/8-16 X 2.5"	HEX HEAD BOLT
37	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
38	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
39	4	3/8 - 16 UNC x 0.625	WHIZ BOLT
40	6	0.375 WASHER	CAP SCREW LOCK WASHER
41	6	3/8 WASHER	STANDARD LOCK
42	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER
43	4	#8-32 x 1/4	SOCKET HEAD CAP SCREW
44	4	#8 WASHER	INT. TOOTH LOCKWASHER

1:1 APPLICATIONS USING 2:1 WINDINGS

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL101-15L	GL100-170-150	87.2	100	170	76.4	400
GL101-15H	GL100-360-150	87.1	100	360	76.4	400
GL101-20L	GL100-170-200	89.2	100	170	101.9	533
GL101-20H	GL100-360-200	89.3	100	360	101.9	533

Weight: 2015.45 lbmass

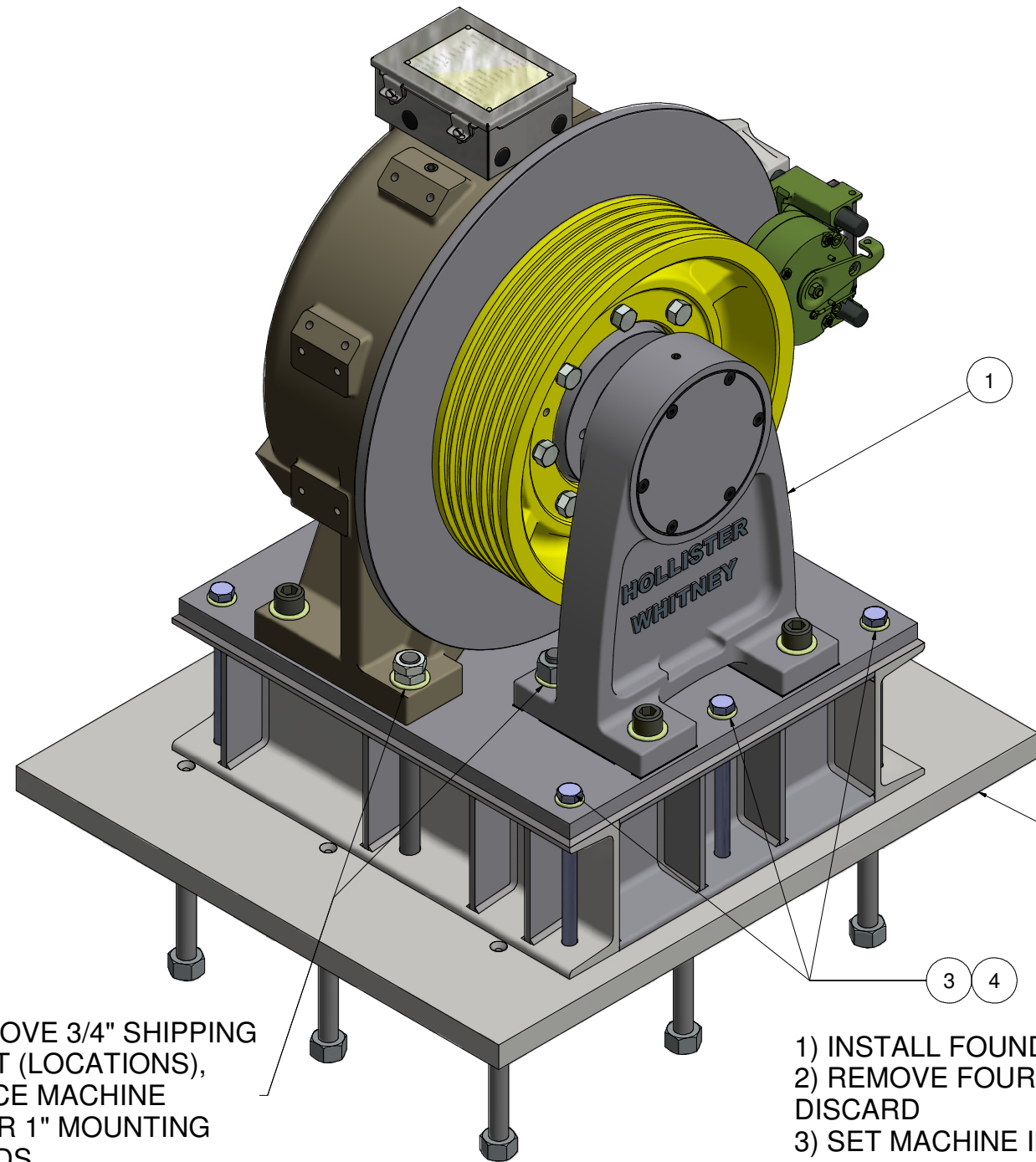
HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE GEARLESS MACHINE, 1100# @ 50% CB,
1000# @ 45% CB, 900# @ 40% CB

DRAWN BY	LTL	SCALE	N/A	MATERIAL	SEE PARTS LIST	DIMENSIONAL TOL.
DATE	5/21/2014	SHEET SIZE	D	DATE	5/21/2014	1 PLACE ±0.01, 2 PLACE ±0.005 3/4 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.0150

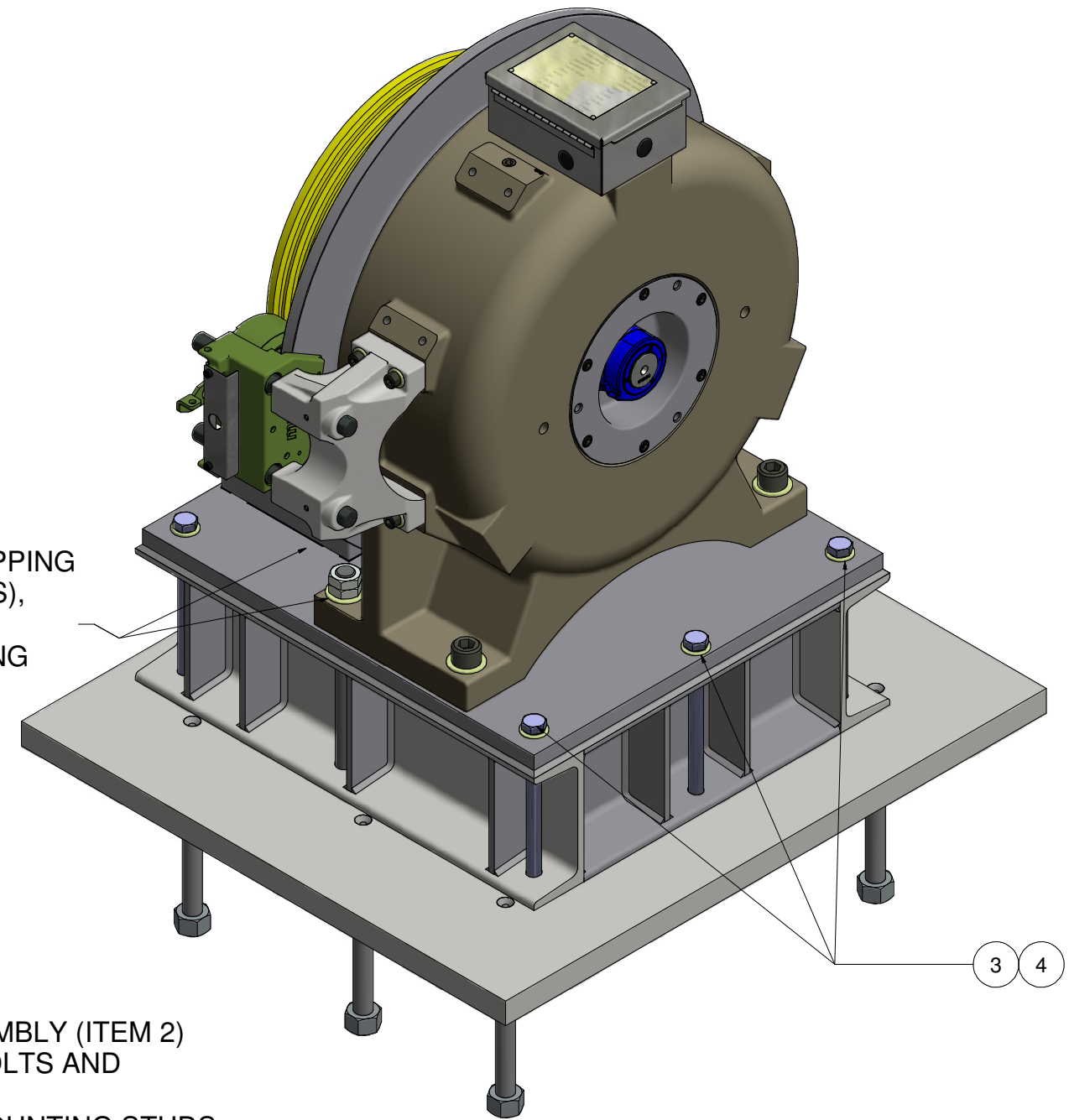
GL101BS

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL101BS	GEARLESS MACHINE, 1100# @ 50% CB, 1000# @ 45% CB, 900# @ 40% CB	2008.335 lbmass
2	1	GL101BS-156	FOUNDATION PLATE ASSEMBLY - GL101 BASEMENT SET	586.322 lbmass
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

SUPPLIED FOUNDATION PLATE FOR NEW-POUR



REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

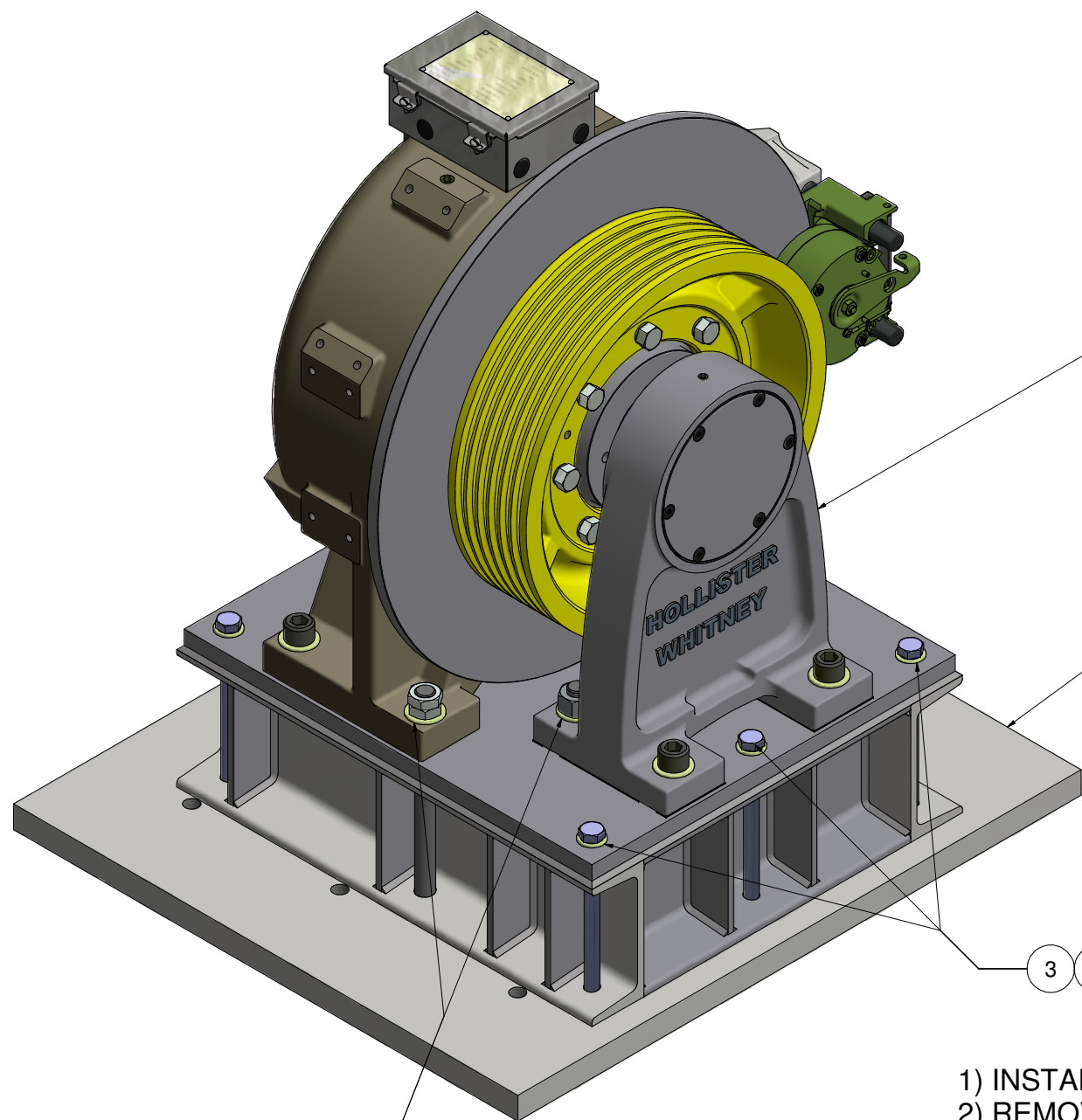


REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")

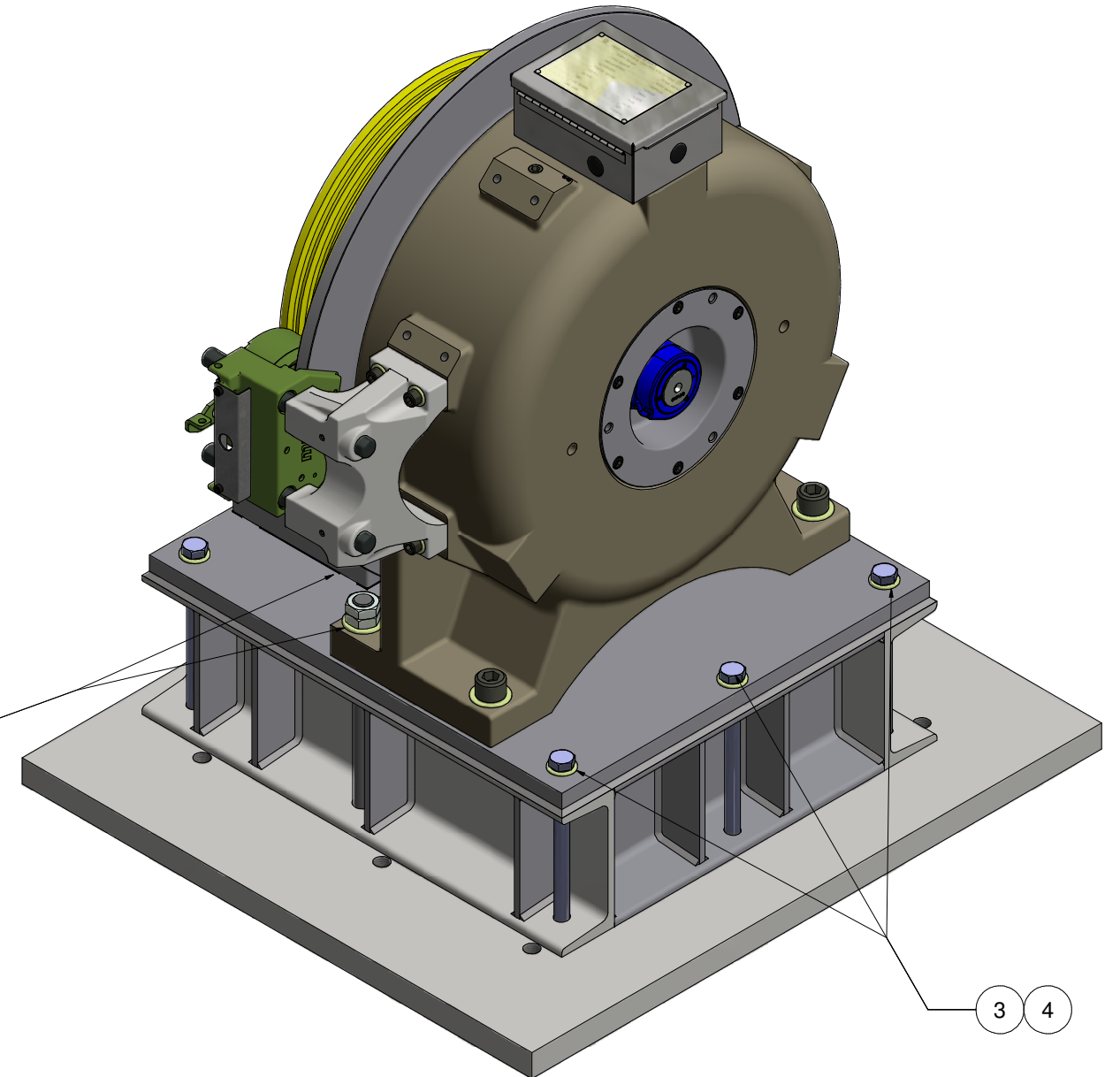
Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL101BS	GEARLESS MACHINE, 1100# @ 50% CB, 1000# @ 45% CB, 900# @ 40% CB	2008.335 lbmass
2	1	GL101BS-156A	FOUNDATION PLATE ASSEMBLY - GL101 BASEMENT SET	560.484 lbmass
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

SUPPLIED FOUNDATION PLATE FOR SECURING TO EXISTING STRUCTURE

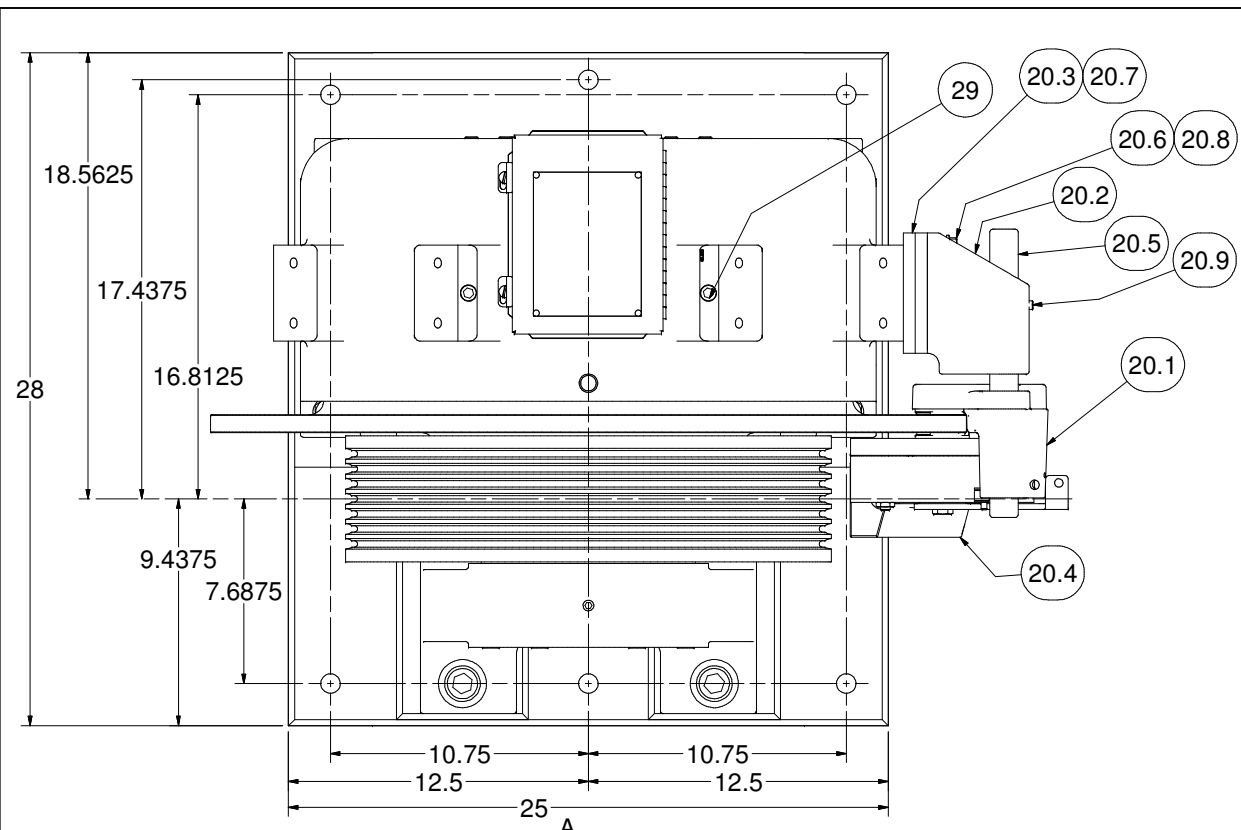


REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

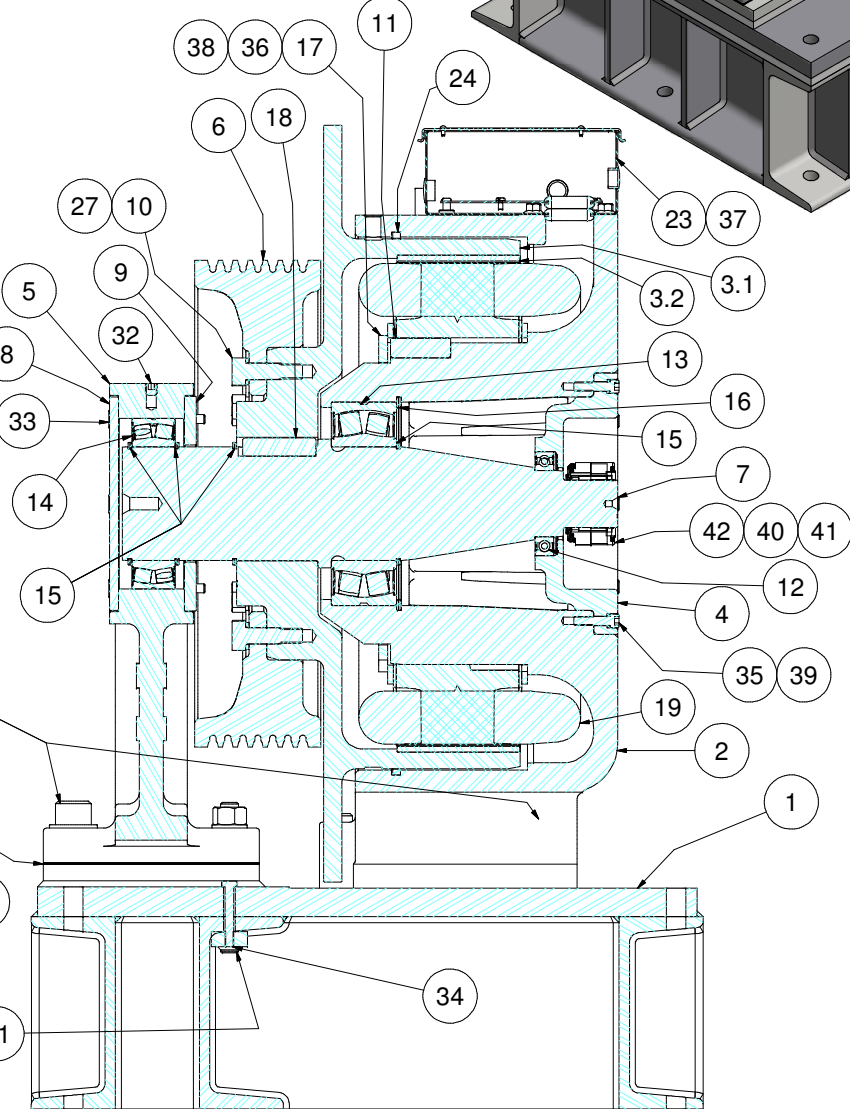
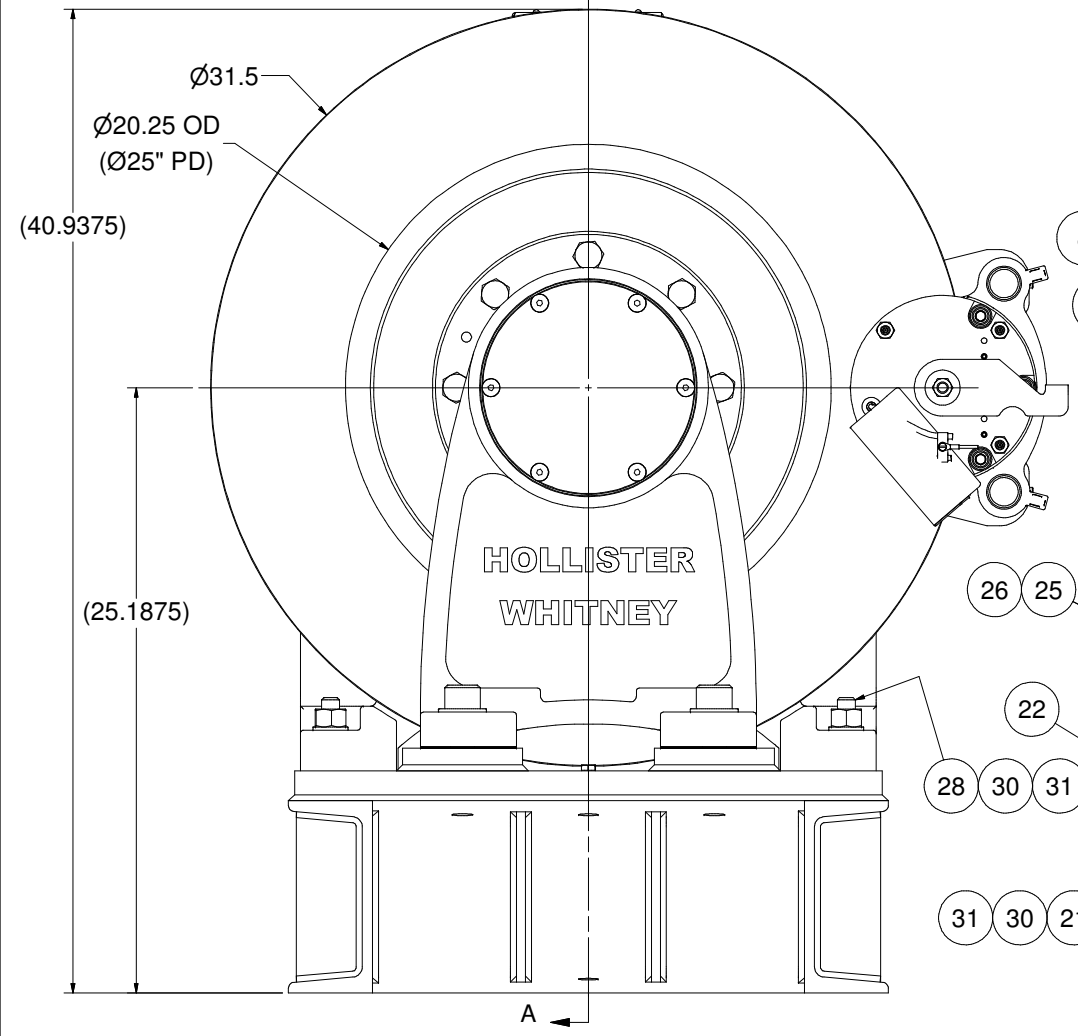
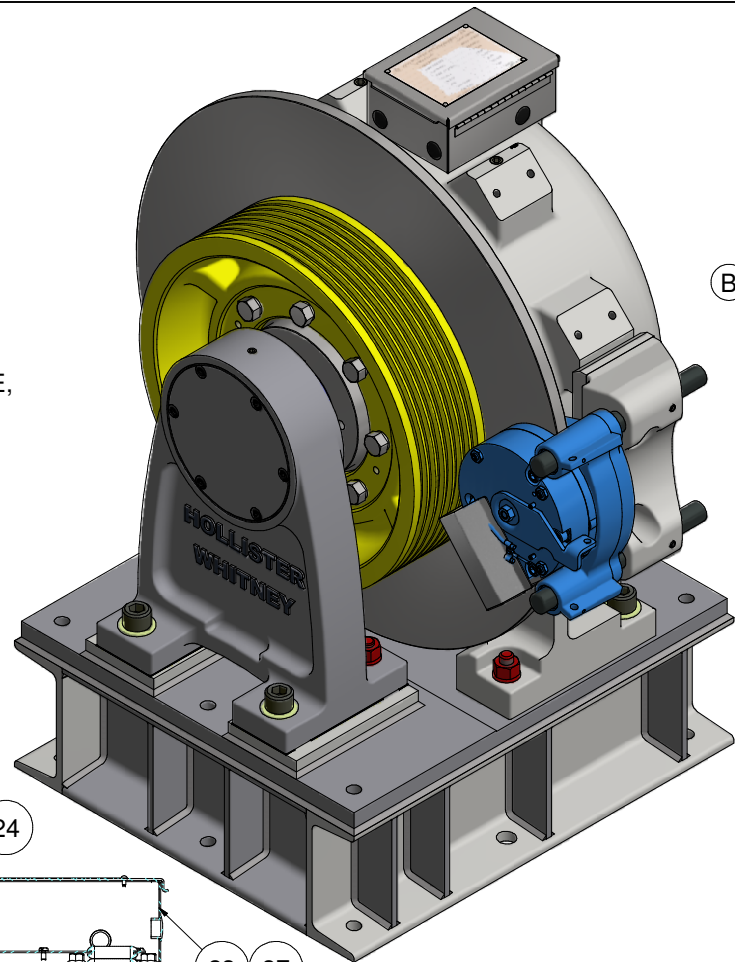
REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



PRIMARY BRAKE
SHOWN RIGHT SIDE,
LEFT SIDE SIMILAR.



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171BS-01	FINISHING BASE, BASEMENT SET, GL131 & GL171
2	1	GL130-001	BASE HOUSING, MOTOR #GL130
3	1	GL131-002	ROTOR ASSEMBLY, MOTOR #GL131
3.1	1	GL131-004	ROTOR
3.2	28	GL130-099	PERMANENT MAGNET - MOTOR #GL130
4	1	GL130A-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" TRACTION SHEAVE (WIDE)
7	1	GL131-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL100-095	KEY - ROTOR TO SHAFT
19	1	GL130-100	WINDING ASSEMBLY - 28 POLE
20	1	GL130-144	DISC BRAKE (MAYR #8) - MRL
20.1	1	GL130-144-115	MAYR #8; RSD8 510 03 52V8211833
20.2	1	144-001	BRAKE BASE
20.3	1	144-002	ADAPTOR PLATE - BRAKE BASE
20.4	1	144-003	COVER - MAYR #8 ELECTRICAL
20.5	2	144-012	BRAKE ROD
20.6	4	1/2 - 13 UNC x 1.75	HEX HEAD CAP SCREW
20.7	4	1/2 - 13 UNC x 1.5	Hexagon Socket Flat Countersunk Head Cap Screw
20.8	4	1/2" WASHER	STANDARD WASHER
20.9	2	3/8-16 UNC x 0.625	Hexagon Socket Set Screw - Flat Point
21	1	GL171BS-156-5	SHIPPING BOLT
22	As Nec.	GL171-157-05	OUTBOARD STAND SHIM - 0.005"
		GL171-157-10	OUTBOARD STAND SHIM - 0.010"
		GL171-157-31	OUTBOARD STAND SHIM - 0.031"
23	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
24	1	GL100-165	FELT DUST SEAL
25	4	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
26	4	1" WASHER	SAE WASHER
27	8	M18 LOCKWASHER-DIN 127B	HELICAL SPRING LOCK WASHER - BODY BOLT
28	2	3/4-10 X 5"	HEX HEAD BOLT
29	2	3/4-10 UNCx0.75	HALF DOG SET SCREW
30	4	3/4 - 10 UNC	HEAVY HEX NUT
31	6	3/4 WASHER	SAE WASHER
32	1	1/2-13 UNCx0.5	HALF DOG SET SCREW
33	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
34	1	3/8-16 X 2.5"	HEX HEAD BOLT
35	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
36	6	3/8 - 16 UNC x 1	SOCKET HEAD CAP SCREW
37	4	3/8 - 16 UNC x 0.625"	WHIZ BOLT
38	6	3/8 WASHER	STANDARD LOCK
39	8	0.375 WASHER	CAP SCREW LOCK WASHER
40	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
41	4	#8 WASHER	INT. TOOTH LOCKWASHER
42	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

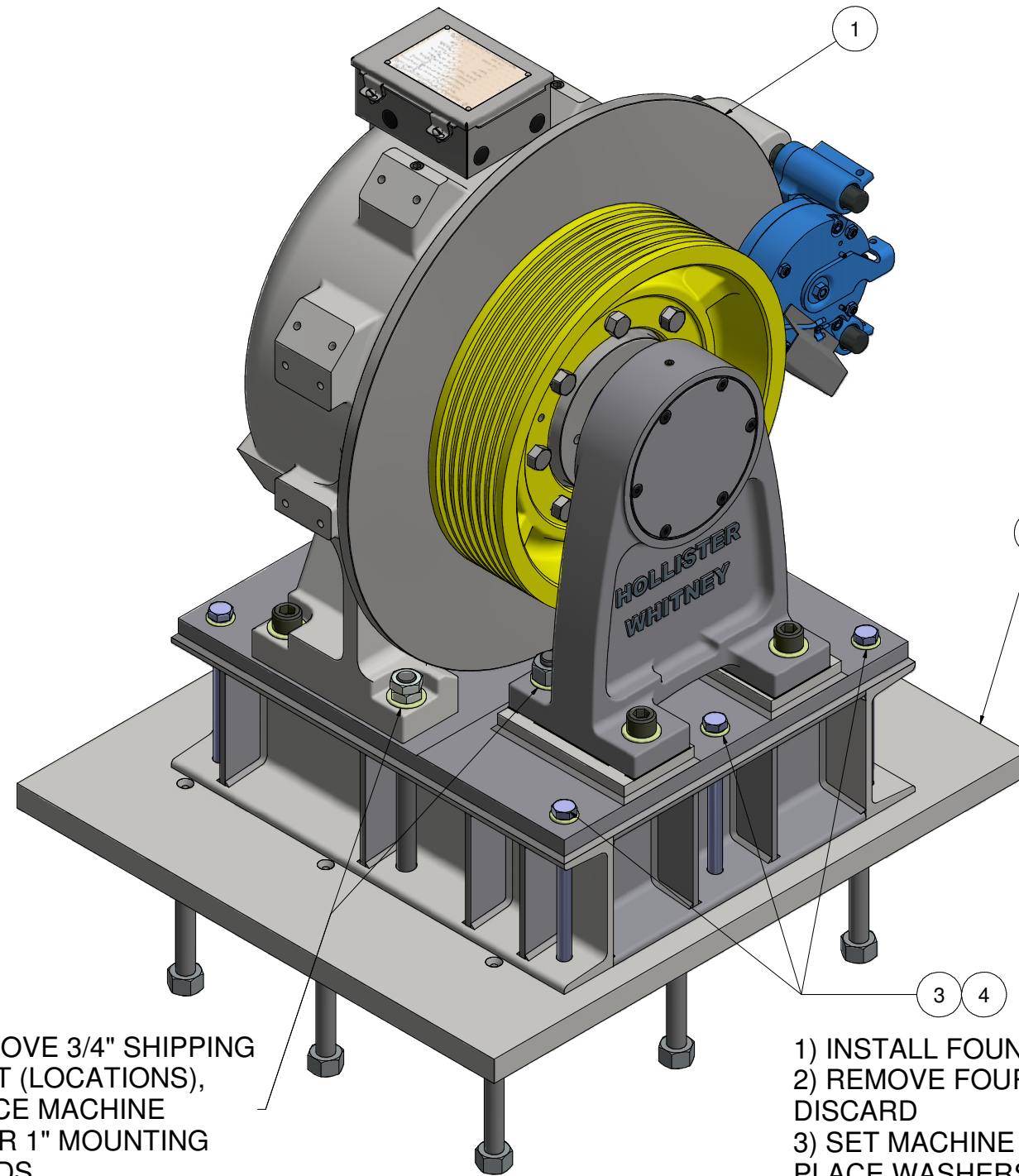
1:1 APPLICATIONS USING 2:1 WINDINGS						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL131-20L	GL130-170-200	90.6	130	170	101.9	533
GL131-20H	GL130-360-200	90.7	130	360	101.9	533
GL131-35L	GL130-170-350	93.1	130	170	178.3	933
GL131-35H	GL130-360-350	93	130	360	178.3	933

Weight: 2299.55 lbmass
HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE GEARLESS MACHINE, 1500 @ 50%, 1350 @ 45%, 1250 @ 40%; 1:1 ROPED

DRAWN BY	LTL	SCALE	MATERIAL	DIMENSIONAL TOL.
BY	LTL	NA	SEE PARTS LIST	1 PLACE ±0.01, 2 PLACE ±0.005 3/8 PLACE ±0.001, ANGLES ±0.1° REF. OPEN, (NOMINAL) ± 0.015
DATE	8/28/2015	SHEET SIZE	D	GL131BS

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL131BS	GEARLESS MACHINE, 1500# @ 50% CB, 1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED	2292.441 lbmass
2	1	GL171-BS-156	FOUNDATION PLATE ASSEMBLY - GL131 & GL171 BASEMENT SET	586.768 lbmass
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

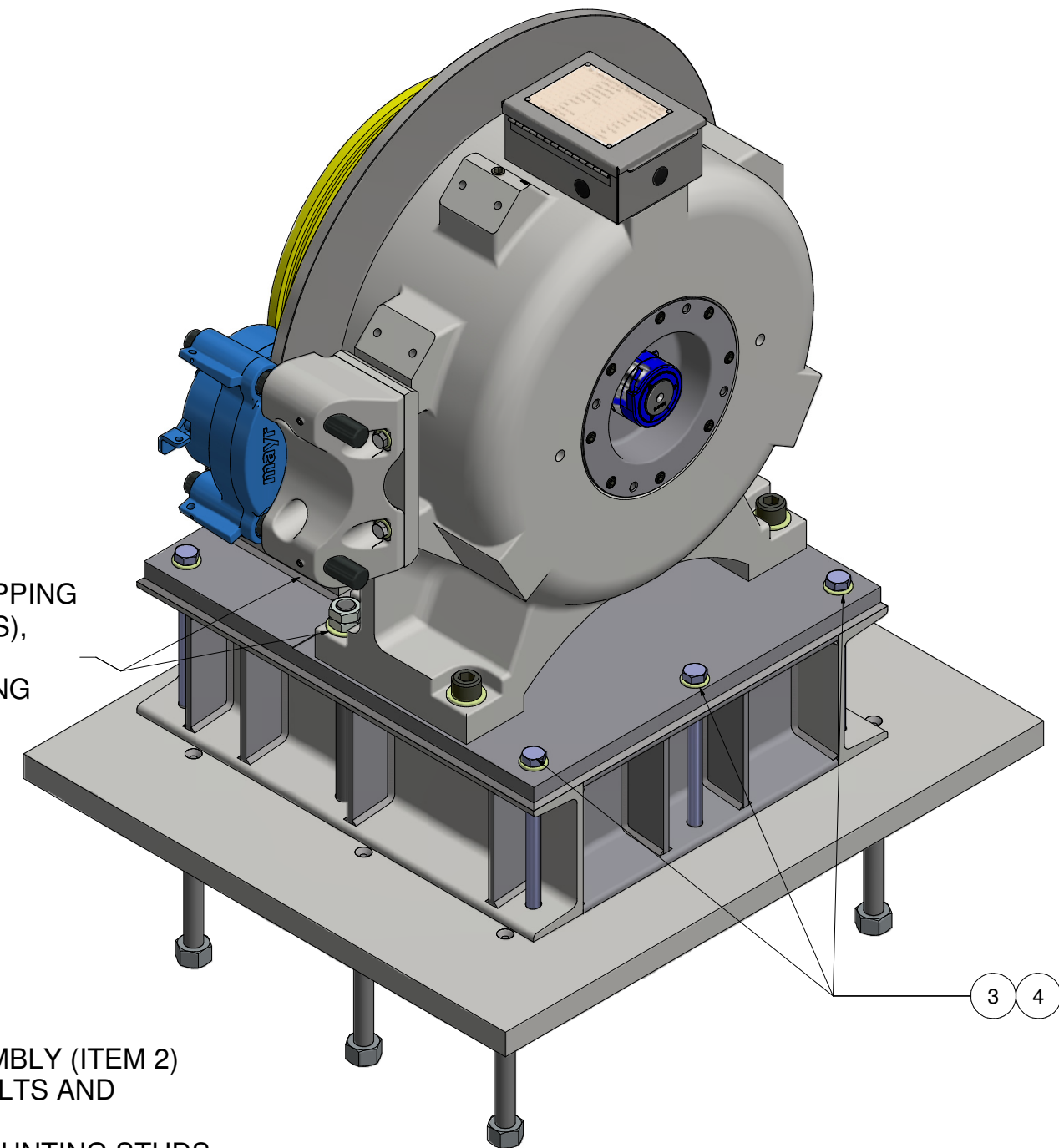
SUPPLIED FOUNDATION PLATE FOR NEW-POUR



REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

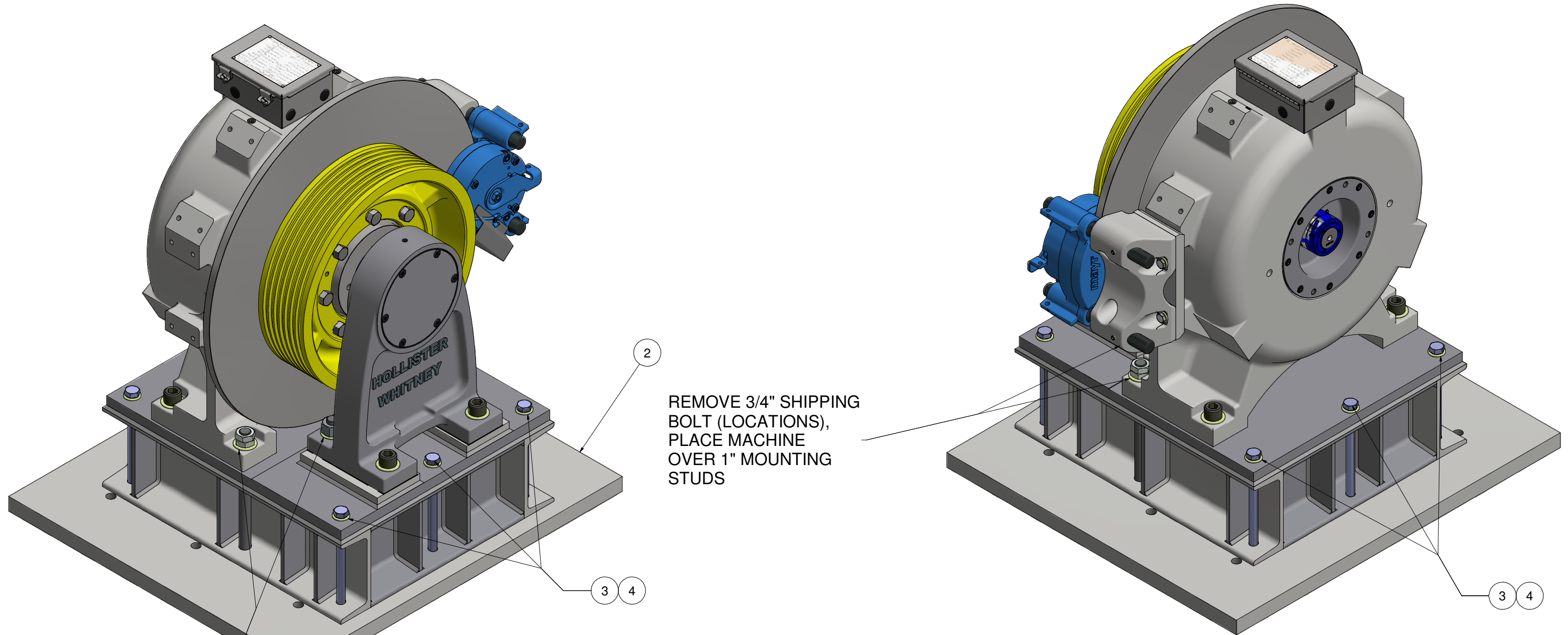
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



3 4

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL131BS	GEARLESS MACHINE, 1500# @ 50% CB, 1350# @ 45% CB, 1250 @ 40% CB 1:1 ROPED	2292.441 lbmass
2	1	GL171BS-156A	FOUNDATION PLATE ASSEMBLY - GL131 & GL171 BASEMENT SET	560.930 lbmass
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

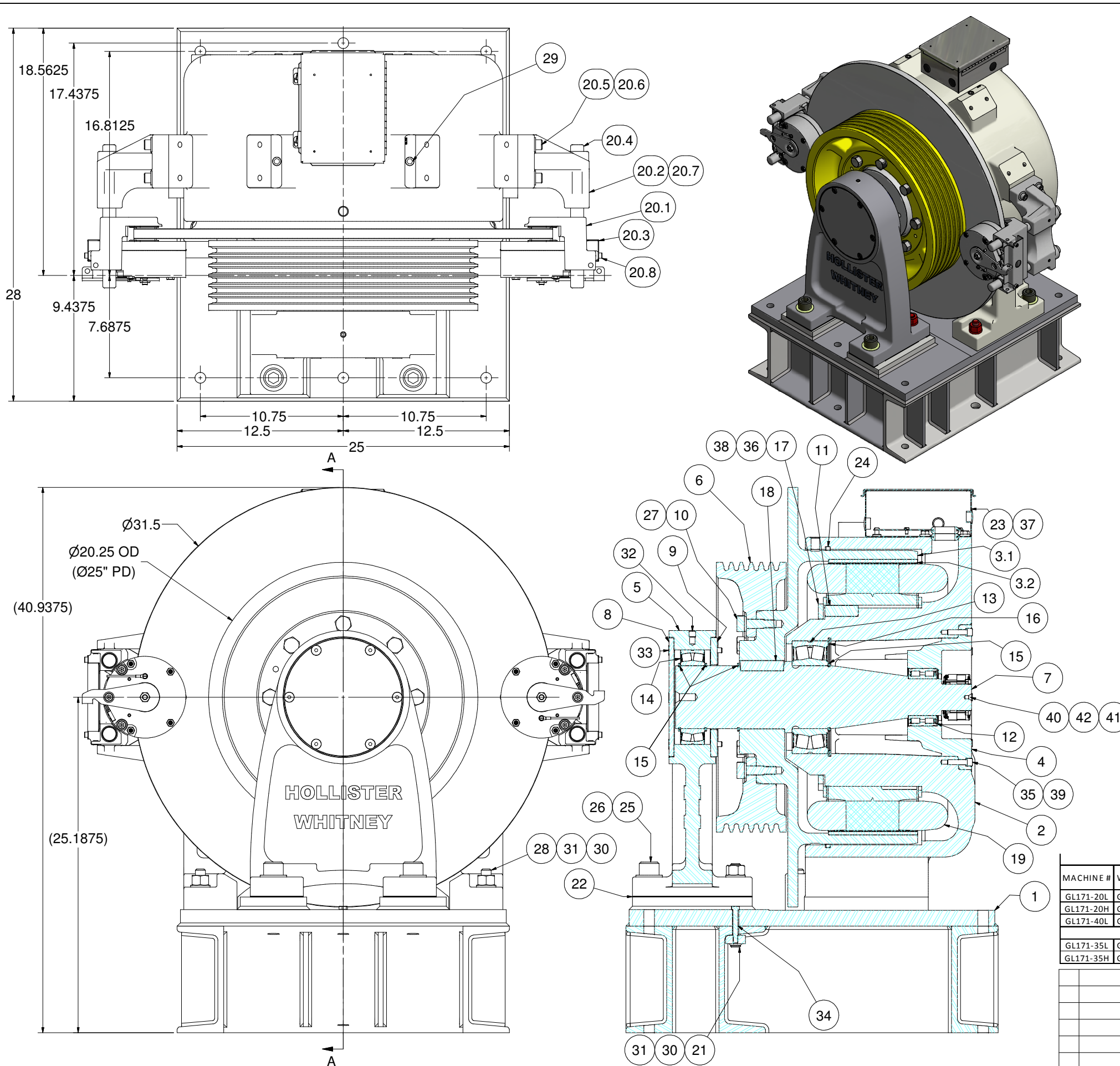
SUPPLIED FOUNDATION PLATE FOR SECURING TO EXISTING STRUCTURE



REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171BS-01	FINISHING BASE, BASEMENT SET, GL131 & GL171
2	1	GL170-001	BASE HOUSING, MOTOR #GL170
3	1	GL171-002	ROTOR ASSEMBLY, MOTOR #GL171
	3.1	GL171-004	ROTOR
	3.2	GL170-099	PERMANENT MAGNET - MOTOR #GL170
4	1	GL130-005	BEARING CAP
5	1	GL171-006	OUTBOARD STAND, AC GEARLESS
6	1	GL100-010	20" TRACTION SHEAVE, 6 x 1/2" or 7 x 3/8" ROPE MAX
7	1	GL171-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL171-020	BEARING END CAP
10	8	GL100-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL100-089	Bearing, Sealed Double Row Cylindrical Roller
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	4	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL100-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL171-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL171-100	WINDING ASSEMBLY - 28 POLE
20	2	GL100-146	DISC BRAKE (MAYR #6) - MRL
	20.1	GL100-146-115	MAYR #6 RSD6 894 510 03 #8211863 (104/52 VDC)
	20.2	142-001	BRAKE BASE
	20.3	146-003	COVER - MAYR #6 ELECTRICAL
	20.4	142-012	BRAKE ROD
	20.5	1/2-13 UNC x 2	SOCKET HEAD CAP SCREW
	20.6	1/2" WASHER	STANDARD WASHER
	20.7	3/8-16 UNC x 0.375	SET SCREW
	20.8	M6 x 1.00 x 8mm	SHCS - Metric
21	1	GL171BS-156-5	SHIPPING BOLT
	GL171-157-05	OUTBOARD STAND SHIM STOCK - 0.005"	
	GL171-157-10	OUTBOARD STAND SHIM STOCK - 0.010"	
	GL171-157-31	OUTBOARD STAND SHIM STOCK - 0.031"	
22	As Nec.		
23	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
24	1	GL100-165	FELT DUST SEAL
25	4	1 - 8 UNC x 3.5"	SOCKET HEAD CAP SCREW
26	4	1" WASHER	SAE WASHER
27	8	M18 LOCKWASHER-DIN 127B	HELICAL SPRING LOCK WASHER - BODY BOLT
28	6	3/4 WASHER	SAE WASHER
29	4	3/4 - 10 UNC	HEAVY HEX NUT
30	2	3/4-10 X 5"	HEX HEAD BOLT
31	2	3/4-10 UNC x 0.75	Hexagon Socket Set Screw - Flat Point
32	1	1/2-13 UNC x 0.5	Hexagon Socket Set Screw - Flat Point
33	1	3/8-16 X 2.5"	HEX HEAD BOLT
34	6	3/8 - 16 UNC - 1 HS HCS	Hexagon Socket Head Cap Screw
35	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
36	6	0.375 WASHER	Helical Spring Lock Washers
37	4	3/8-16 UNC x 0.625	Hex Flange Screw - Regular Thread - Inch
38	8	0.375 WASHER	CAP SCREW LOCK WASHER
39	8	3/8 - 16 UNC - 1 1/2 HS HCS	Hexagon Socket Head Cap Screw
40	4	#8 WASHER	INT. TOOTH LOCKWASHER
41	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
42	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

1:1 WINDINGS AS DESIGNED 20" 2000 LBS CAP.						
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (rpm)	CAR SPEED 20" (fpm)
GL171-20L	GL171-170-200	77	170	170	38.2	200
GL171-20H	GL171-360-200	77	170	360	38.2	200
GL171-40L	GL171-170-400	87	170	170	76.4	400
2:1 WINDINGS USED IN 1:1 APPLICATIONS (40% CB) 20" 1500 LBS CAP.						
GL171-35L	GL170-170-350	93.9	170	170	178.3	933
GL171-35H	GL170-360-350	94	170	360	178.3	933

Weight: 2419.30 lbmass

HOLLISTER-WHITNEY
ELEVATOR CO.
TITLE: GEARLESS MACHINE, 2000# MAX CAP. 1:1 ROPED

D	GL185-019 WAS GL171-019, PUR #788	LTL	6/22/16			
B	UPDATE PARTS LIST, PUR #719	LTL	8/31/15			
C	REMOVE GL100-007, -008, -009, PUR #648	LTL	5/20/14			
L	PRODUCTION RELEASE, PUR #630	LTL	2/10/14			
A		LTL				

DIMENSIONAL TOL.
1 PLACE ±0.01, 2 PLACE ±0.005
3&4 PLACE ±0.001, ANGLES ±0.1°
REF. OPEN, (NOMINAL) ± 0.0159

SEE PARTS LIST

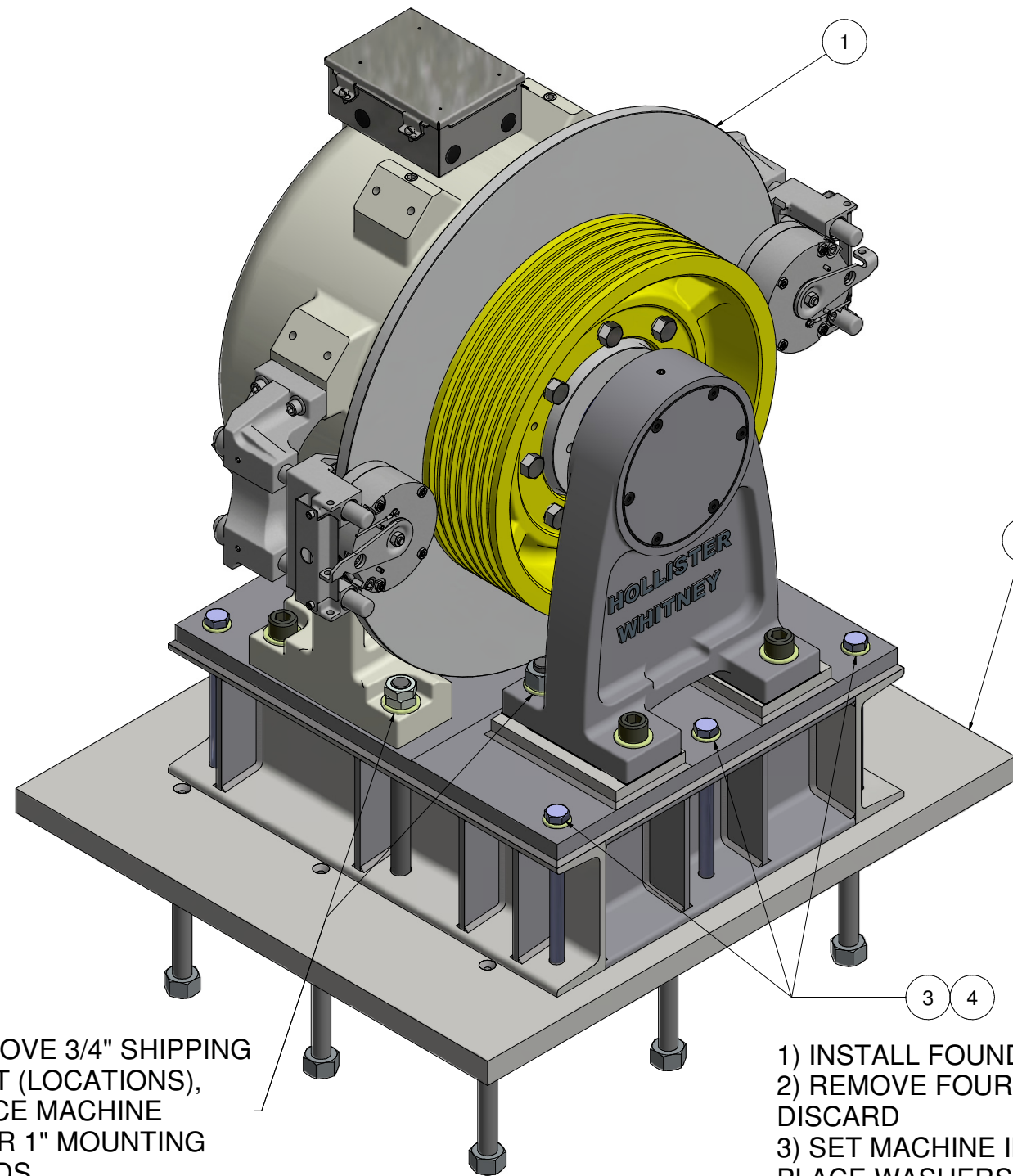
SHEET SIZE D DATE 9/26/2013

GL171BS

C

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL171-BS	GEARLESS MACHINE, 2000# MAX CAP. 1:1 ROPED	2412.187 lbmass
2	1	GL171-BS-156	FOUNDATION PLATE ASSEMBLY - GL131 & GL171 BASEMENT SET	586.768 lbmass
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

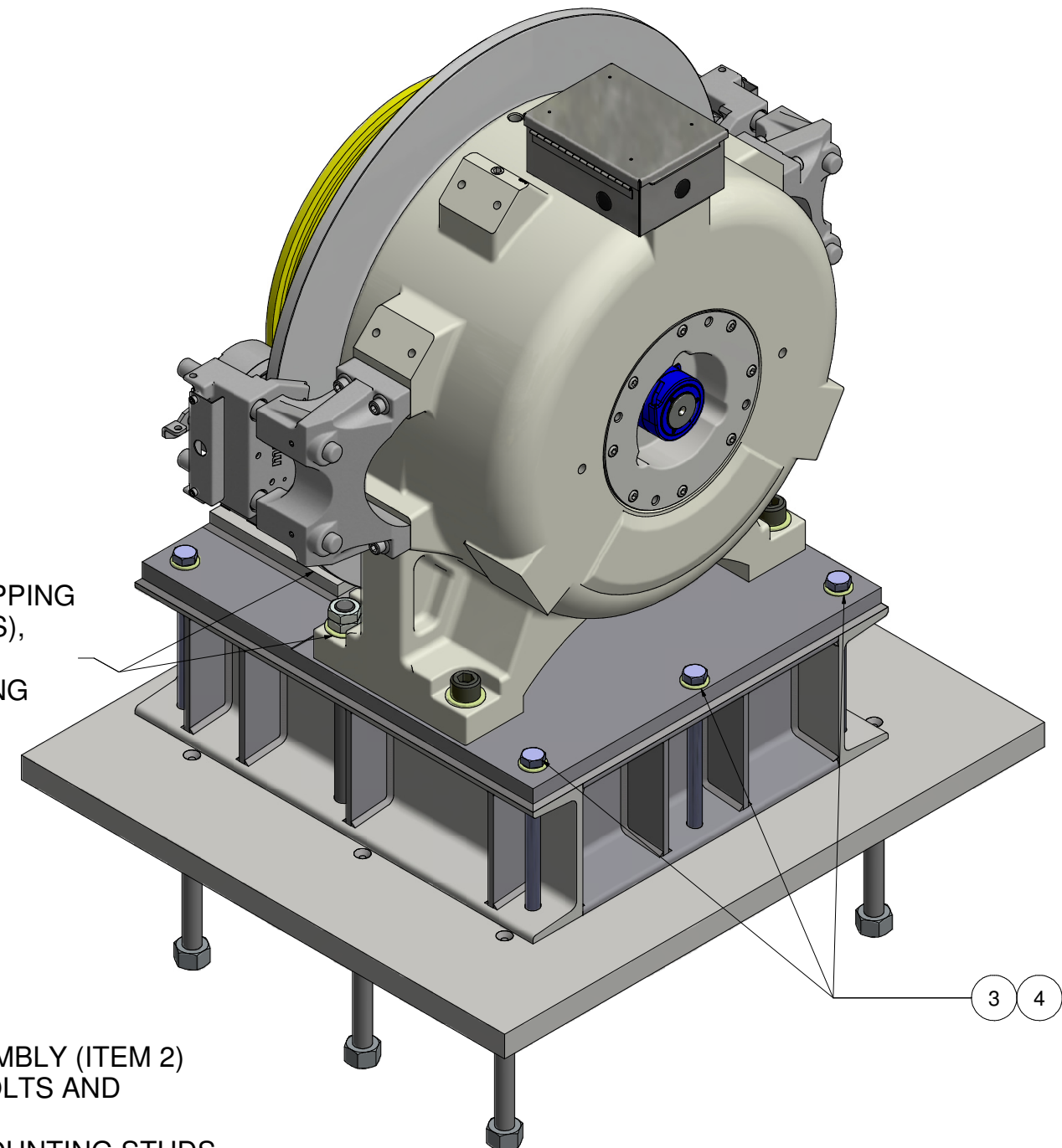
SUPPLIED FOUNDATION PLATE FOR NEW-POUR



REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")

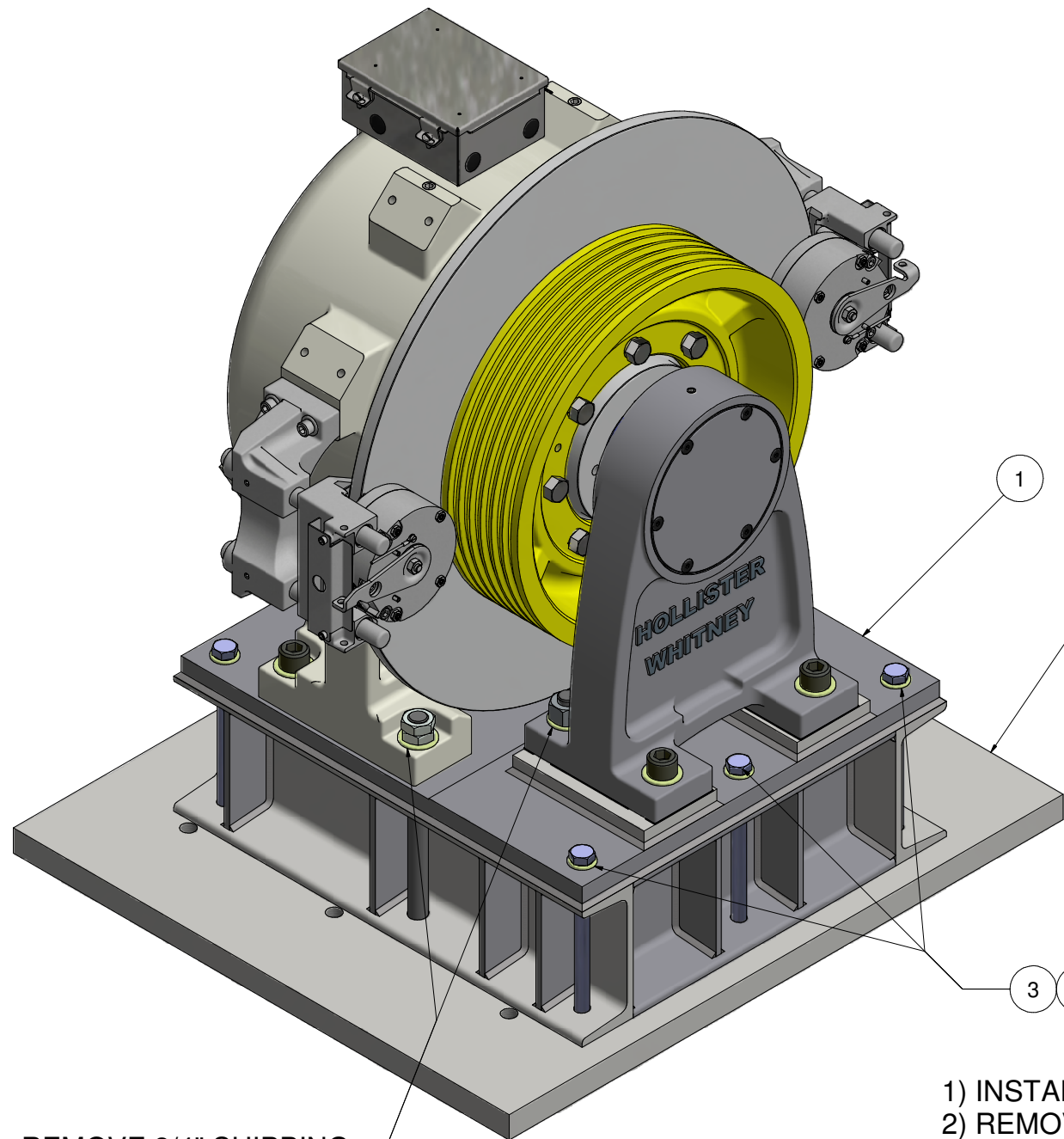


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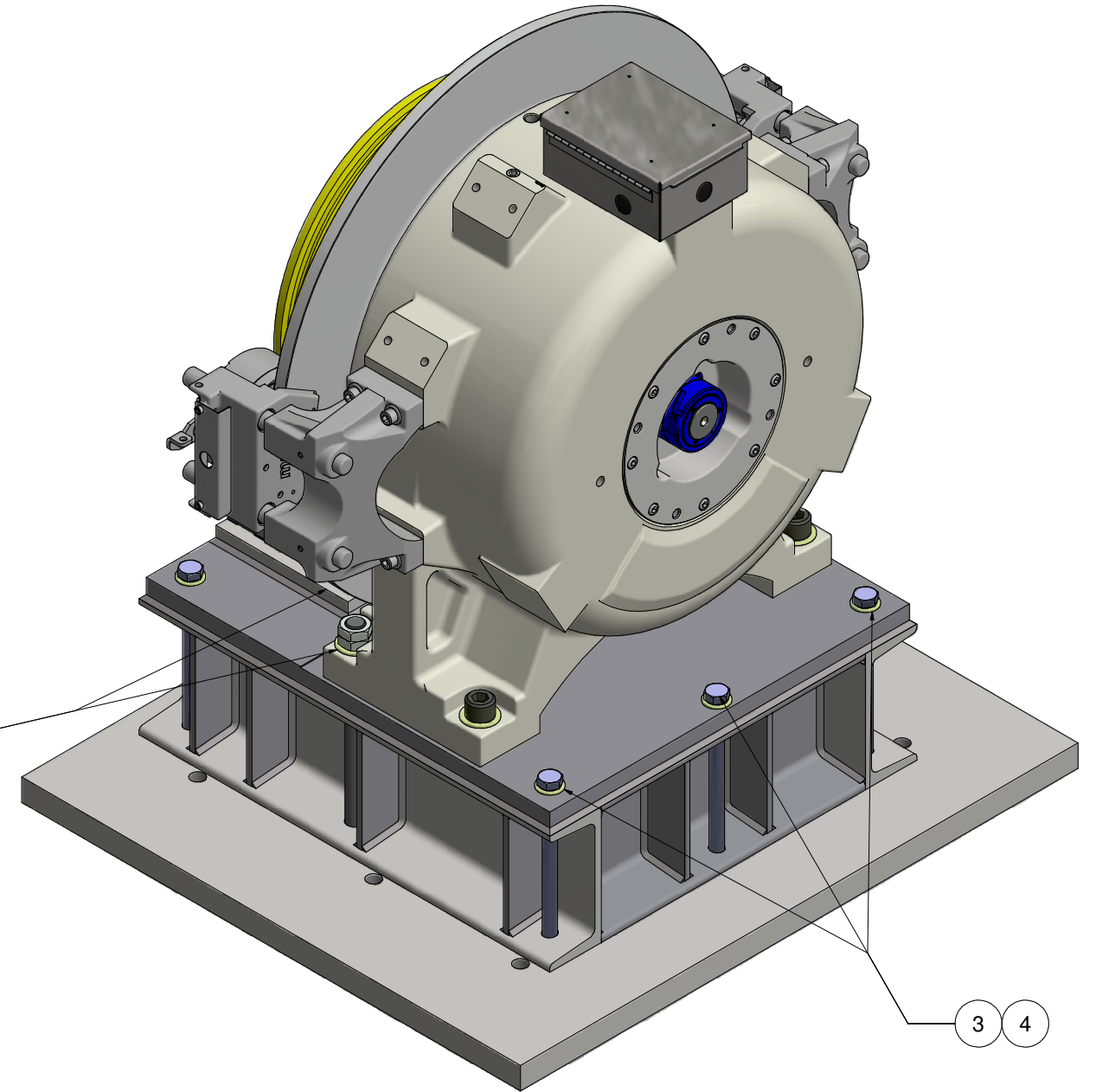
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL171-BS	GEARLESS MACHINE, 2000# MAX CAP. 1:1 ROPED
2	1	GL171BS-156A	FOUNDATION PLATE ASSEMBLY - GL131 & GL171 BASEMENT SET
3	6	3/4-10 X 3 INCH	HEX HEAD BOLT
4	6	3/4 WASHER	SAE WASHER

SUPPLIED FOUNDATION PLATE FOR SECURING TO EXISTING STRUCTURE

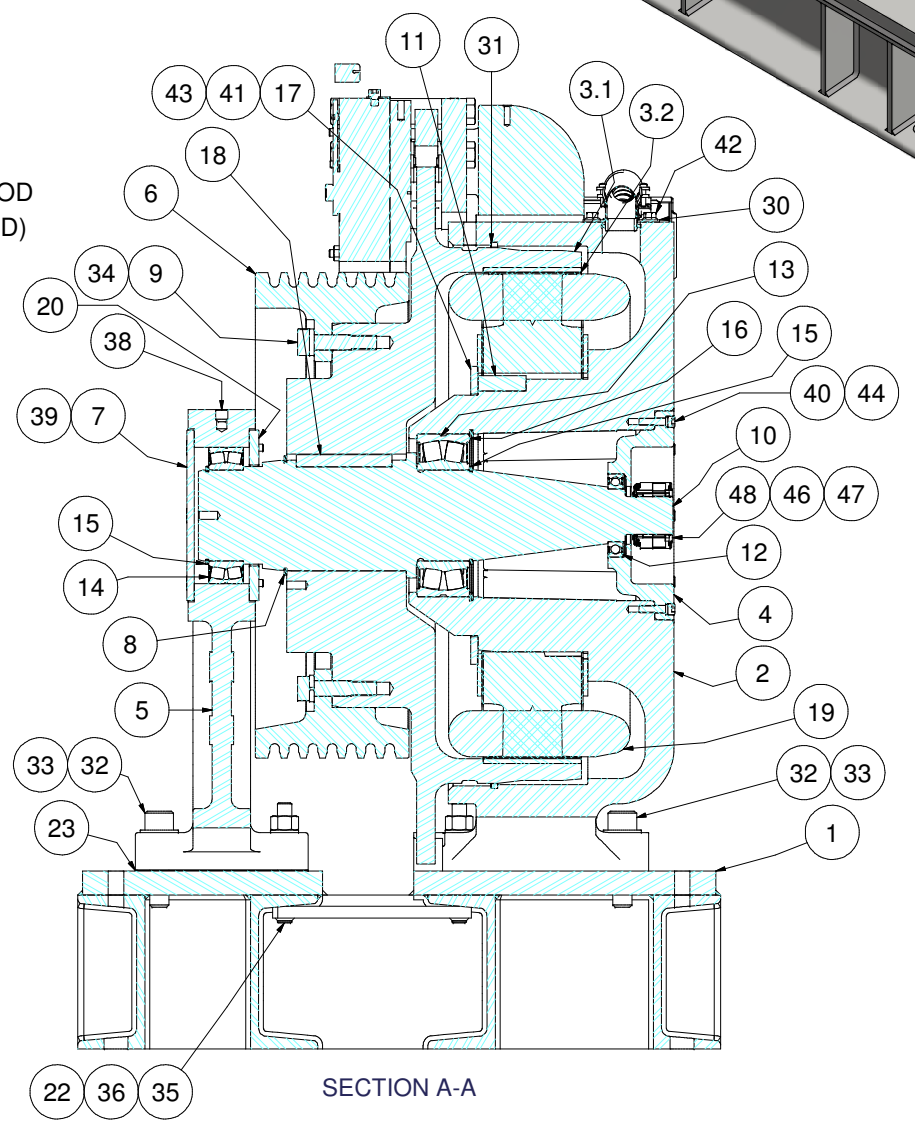
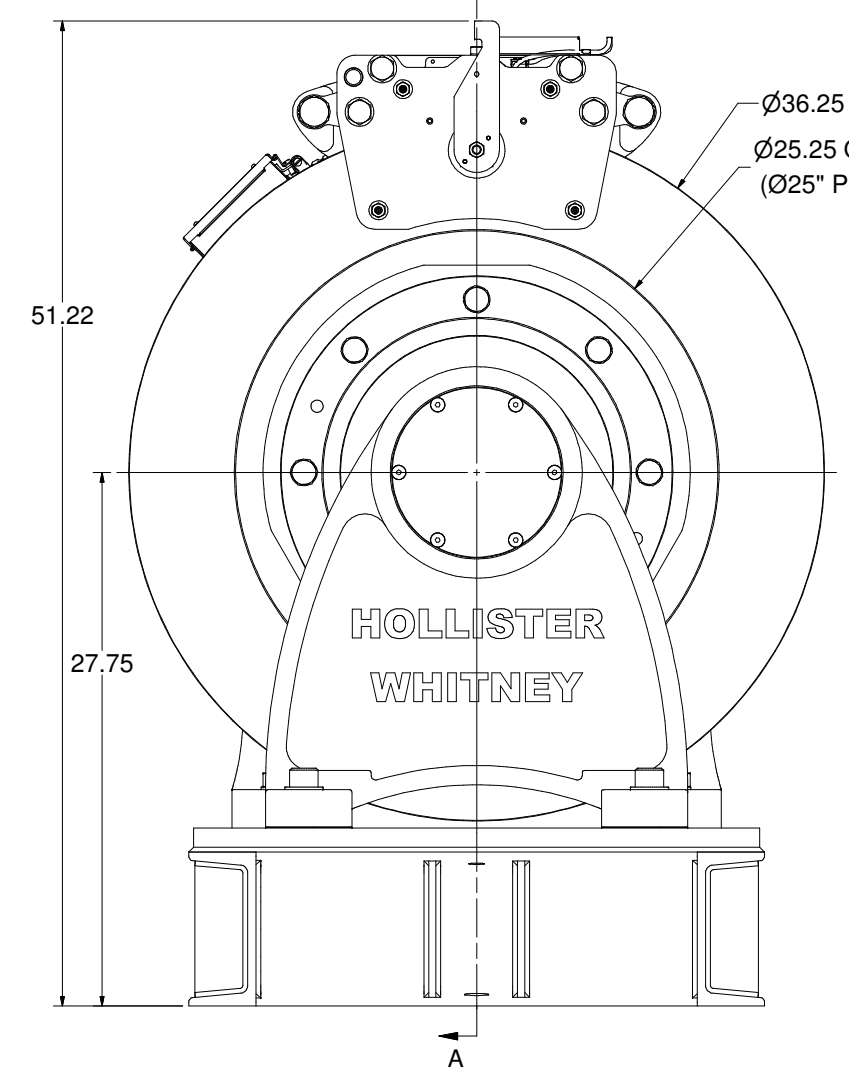
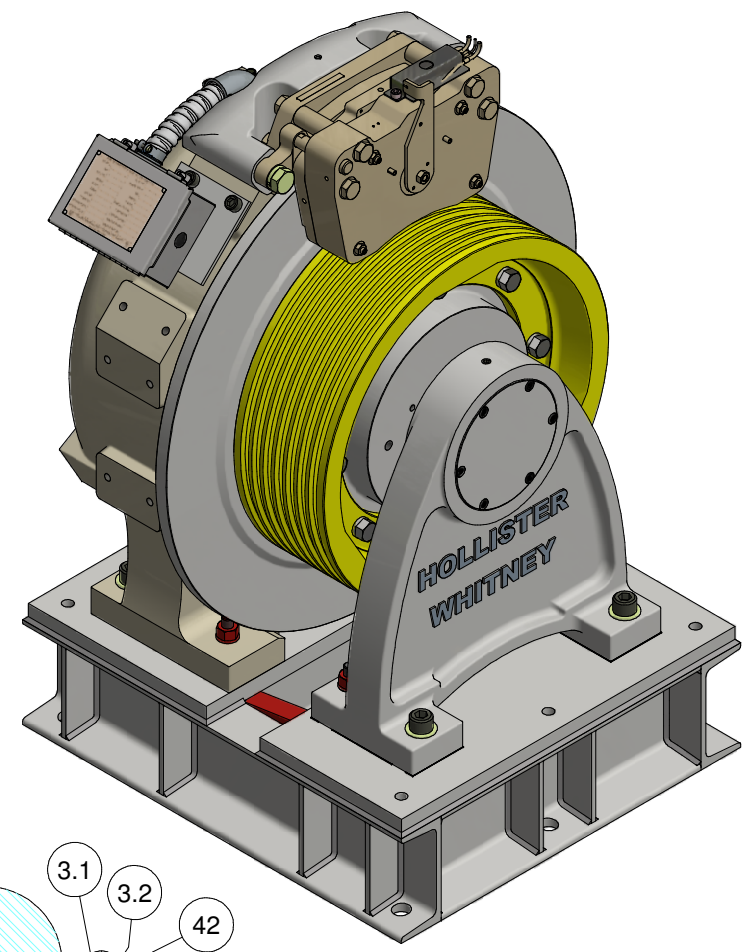
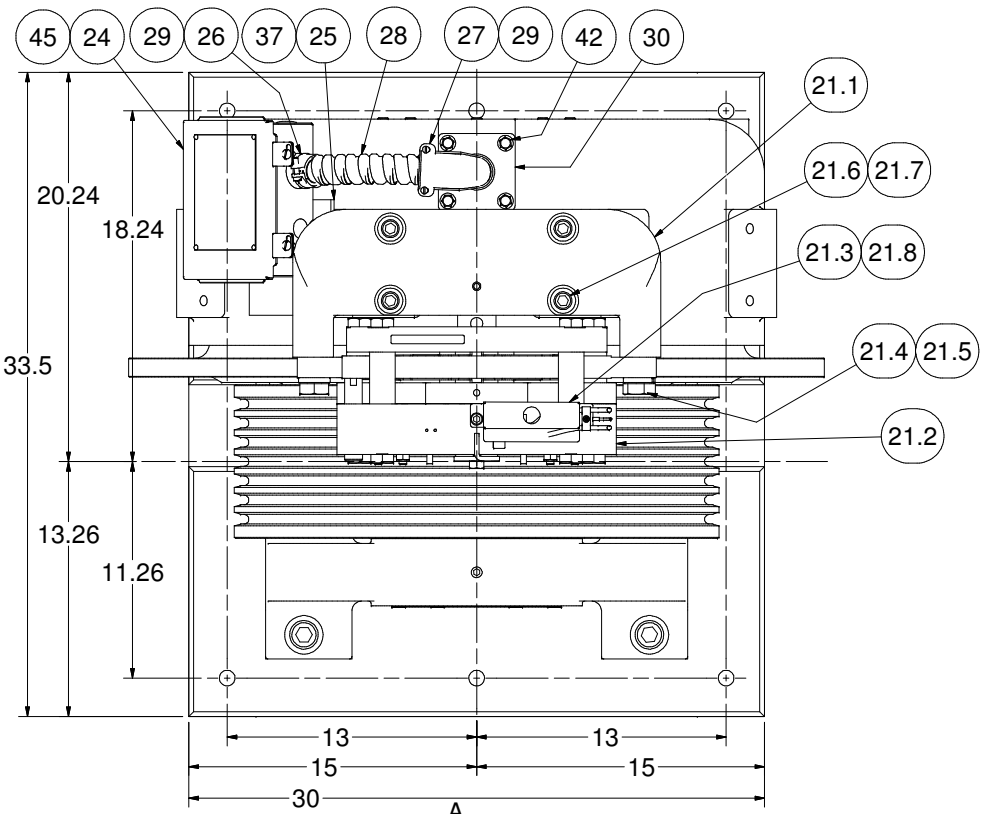


REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE FOUR (4) 3/4" SHIPPING BOLTS AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



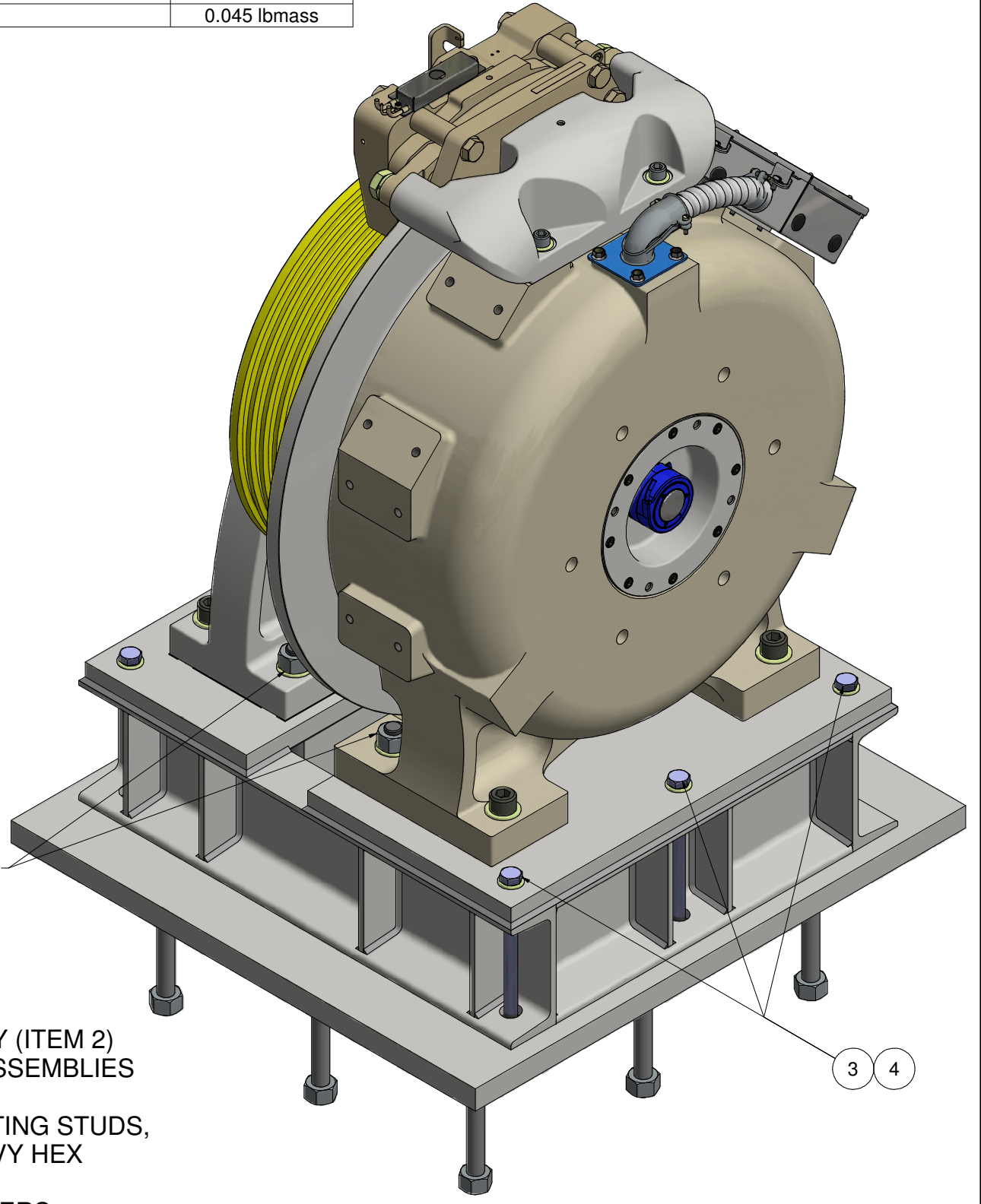
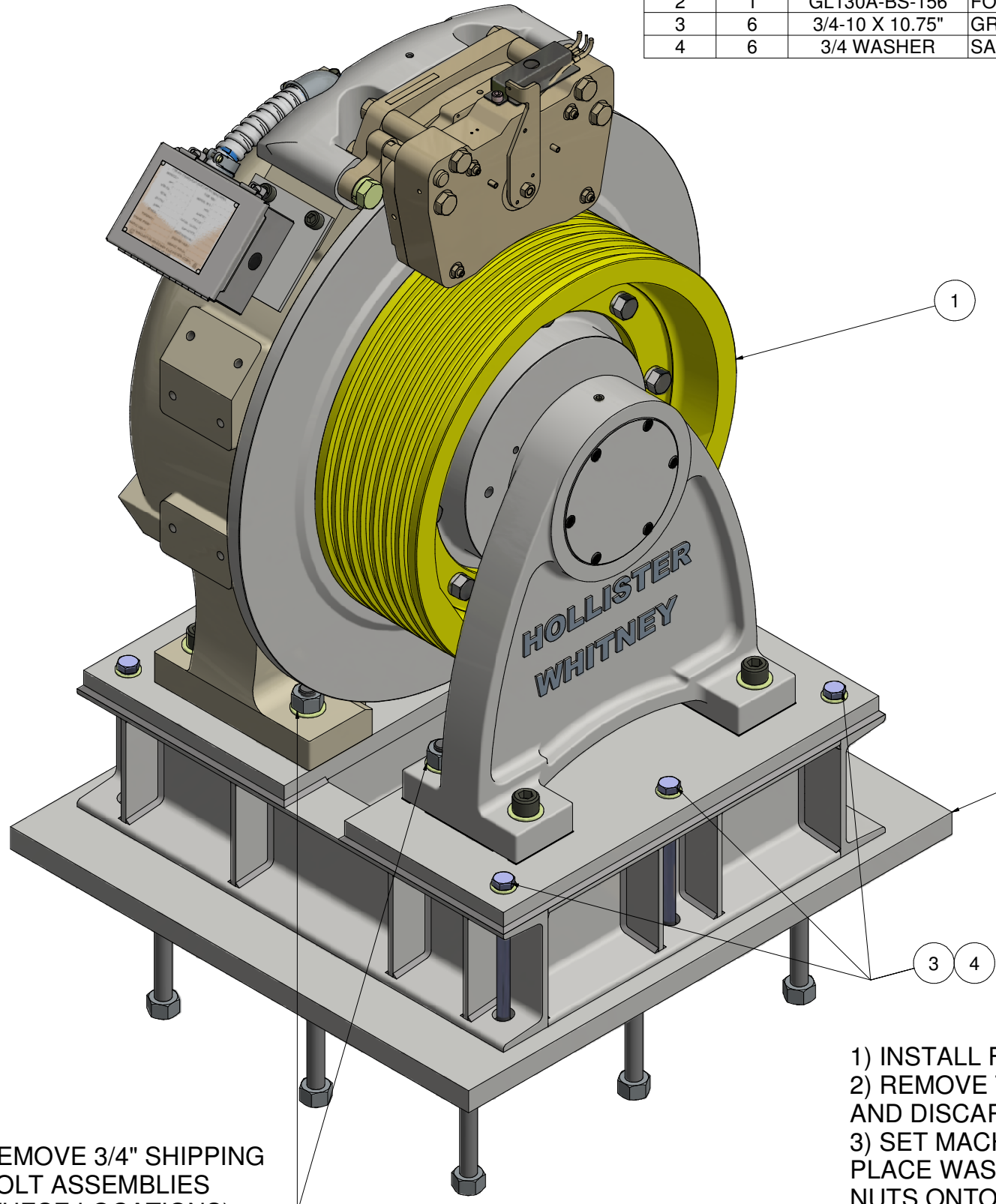
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL130ABS-01	FINISHING BASE, BASEMENT SET, GL130A
2	1	GL130A-001	BASE HOUSING, MOTOR #GL130A
3	1	GL130A-002	ROTOR ASSEMBLY - #GL130A, 25" T.S.
3.1	1	GL130A-004	ROTOR - GL130A, 25" T.S.
3.2	40	GL260-099	PERMANENT MAGNET - #GL260 & GL130A MOTORS
4	1	GL130A-005	BEARING CAP
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS
6	1	GL185-008	SHEAVE, 25"
7	1	GL185-019	END CAP
8	1	GL185-020	RETAINING RING - ROTOR
9	8	GL185-073	BODY BOLT
10	1	GL130A-018	MAIN SHAFT - GL130A 1:1 MACHINE
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	2	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL130A-100	WINDING ASSEMBLY - 40 POLE
20	1	GL185-104	CAP
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21.1	1	143-001	BRAKE BASE
21.2	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.3	1	143-003	COVER - MAYR #10 ELECTRICAL
21.4	2	1-8 UNC - 3.25	Hex Cap Screw
21.5	2	1" WASHERS	Helical Spring Lock Washers
21.6	4	5/8-11 UNC - 2.5	SOCKET HEAD CAP SCREW
21.7	4	5/8 WASHER	SAE WASHER
21.8	1	M10 x 1.5 x 12 mm	SHCS - METRIC
21.9	AS NEC	143-026 143-027	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN) BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	2	GL130A-BS-156-5	SHIPPING BOLT
23	AS NEC	GL185-157-05 GL185-157-10 GL185-157-31	OUTBOARD STAND SHIM - 0.005" GL185 A-STAND, 25" T.W. OUTBOARD STAND SHIM - 0.010" GL185 A-STAND, 25" T.W. OUTBOARD STAND SHIM - 0.031" GL185 A-STAND, 25" T.W.
24	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
25	1	GL130A-159-12	MOUNTING PLATE
26	2	GL100-159-13	1-1/4 STRAIGHT BOX CONNECTOR (FLEXCON) - REF P/N BRID412DC2
27	1	GL130A-159-13-1	1-1/4 90° BOX CONNECTOR (FLEXCON)
28	1	GL100-159-14	1-1/4 FLEX CONDUIT - REF. P/N GRF A114
29	2	GL100-159-15	1-1/4 ANTI SHORT BUSHING - REF. P/N THOMAS & BETTS CO. #425
30	1	GL100-159-16	BOX CONNECTOR PLATE
31	1	GL100-165-1	FELT DUST SEAL
32	4	1-8 UNC x 4	SOCKET HEAD CAP SCREW
33	4	1" WASHER	SAE WASHER
34	8	13/16 WASHER	HEAVY LOCK WASHER
35	4	3/4 UNC NUT	HEAVY HEX NUT
36	4	3/4 WASHER	SAE WASHER
37	2	5/8-11 UNC x 1	SOCKET HEAD CAP SCREW
38	1	5/8-11 UNC x 0.625	HALF DOG SET SCREW
39	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
40	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
41	6	3/8 - 16 UNC x 1.25	SOCKET HEAD CAP SCREW
42	4	3/8 - 16 UNC x 0.5	WHIZ BOLT
43	6	3/8 WASHER	STANDARD LOCK
44	8	3/8 WASHER	SOCKET HEAD CAP SCREW LOCK
45	4	1/4-20 UNC x 0.5	WHIZ BOLT
46	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
47	4	#8 LOCK WASHER	EXT. TOOTH LOCK WASHER
48	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED 25" (fpm)
GL130A-20L	GL130A-170-200	90	130A/130	170	38.2	250
GL130A-20H	GL130A-360-200	90	130A/130	360	38.2	250
GL130A-40L	GL130A-170-400	91	130A/130	170	76.4	500

WEIGHT: 3952.6 lbmass

HOLLISTER-WHITNEY ELEVATOR CORP.		TITLE GEARLESS MACHINE, 2000# CAP w/25" TW; 1:1 ROPED	
E ADD A-STAND & BRAKE SHIMS, EFF. UPD TEPUR#842 D ADD SHEET, UPDATE RELOCATION, PUR #636 C UPDATE BASE & SHIPPING BOLTS, PUR #625 B UPDATE BRAKE, PUR #608 A PRODUCTION RELEASE, PUR #606	LTL 6/23/17 LTL 8/5/14 LTL 1/22/14 LTL 8/22/13 LTL 7/9/13	DRAWN BY SCALE MATERIAL LTL NA SEE PARTS LIST SHEET SIZE DATE 7/11/2013	DIMENSIONAL TOL. 1 PLACE ± 0.01 2 PLACE ± 0.005 3 PLACE ± 0.001 ANGLES ± 0.1° REF. OPEN (NOMINAL) ± 0.0150 GL130A-BS SHEET 1 OF 3

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL130A-BS	GEARLESS MACHINE, 2000# CAP w/25" TW; 1:1 ROPED	3943.413 lbmass
2	1	GL130A-BS-156	FOUNDATION PLATE ASSEMBLY - GL130A BASEMENT SET	619.203 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass



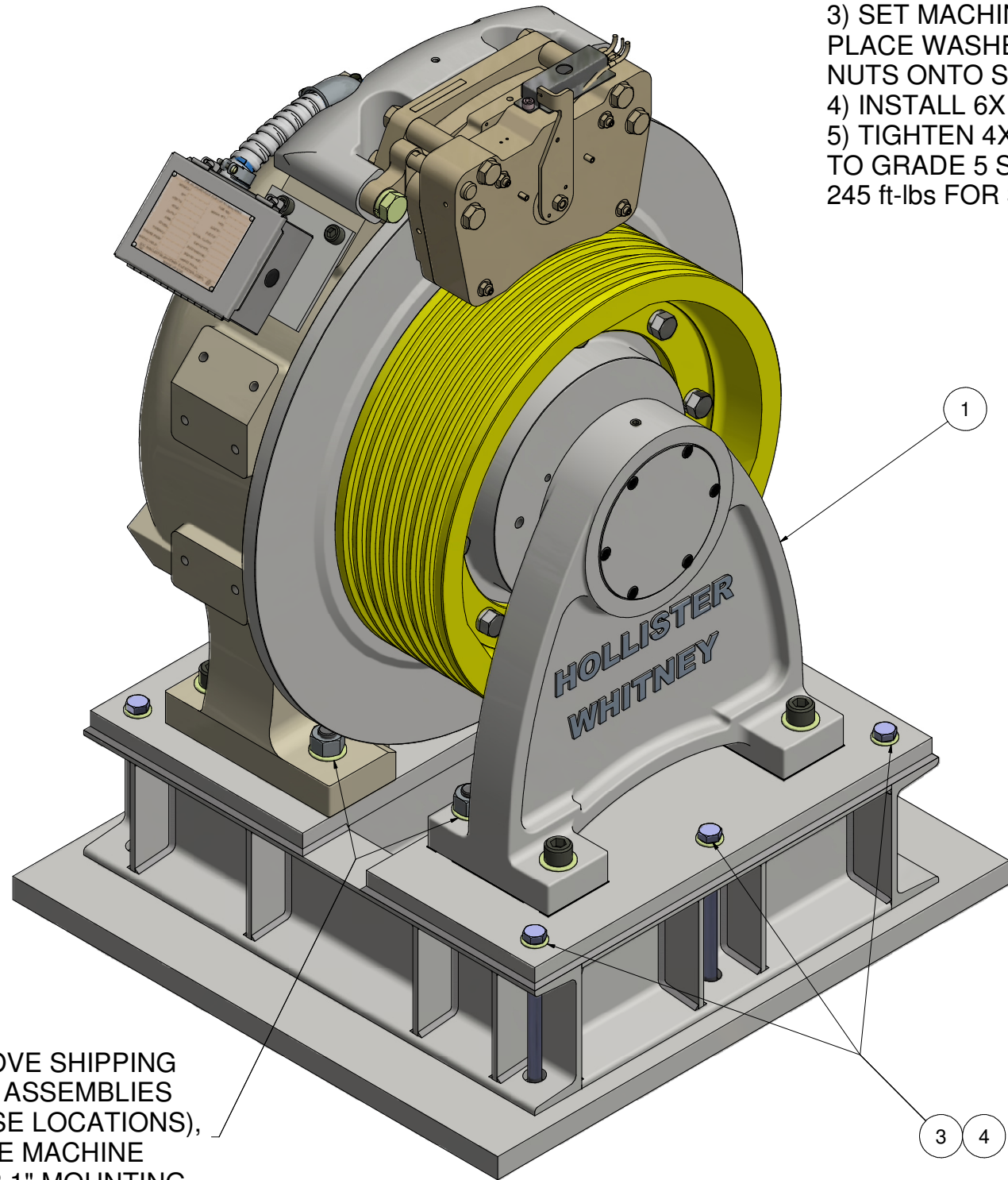
REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

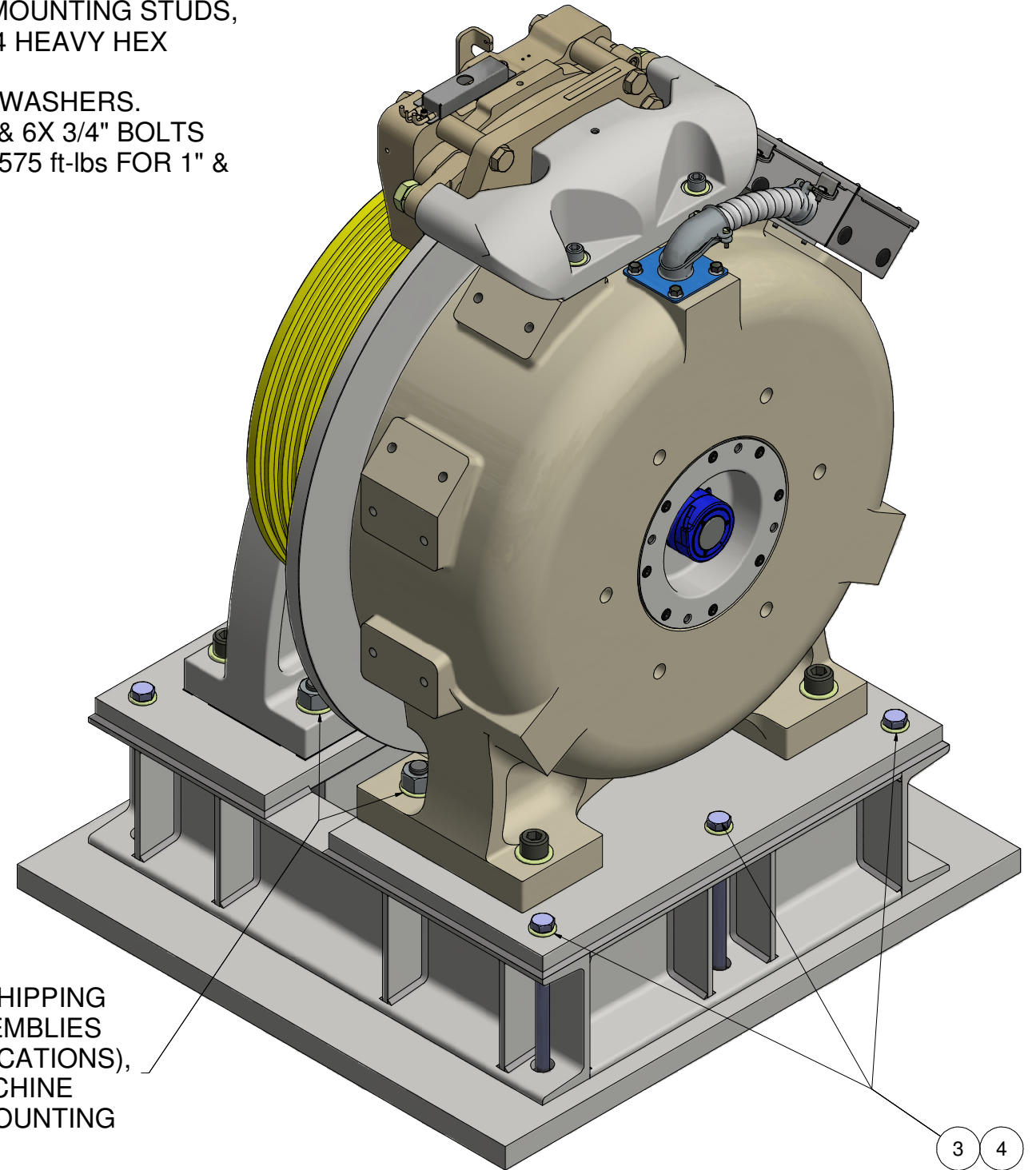
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) 3/4" SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL130A-BS	GEARLESS MACHINE, 2000# CAP w/25" TW; 1:1 ROPED	3943.413 lbmass
2	1	GL130A-BS-156A	FOUNDATION ADAPTOR PLATE ASSEMBLY - GL130A BASEMENT SET	593.366 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

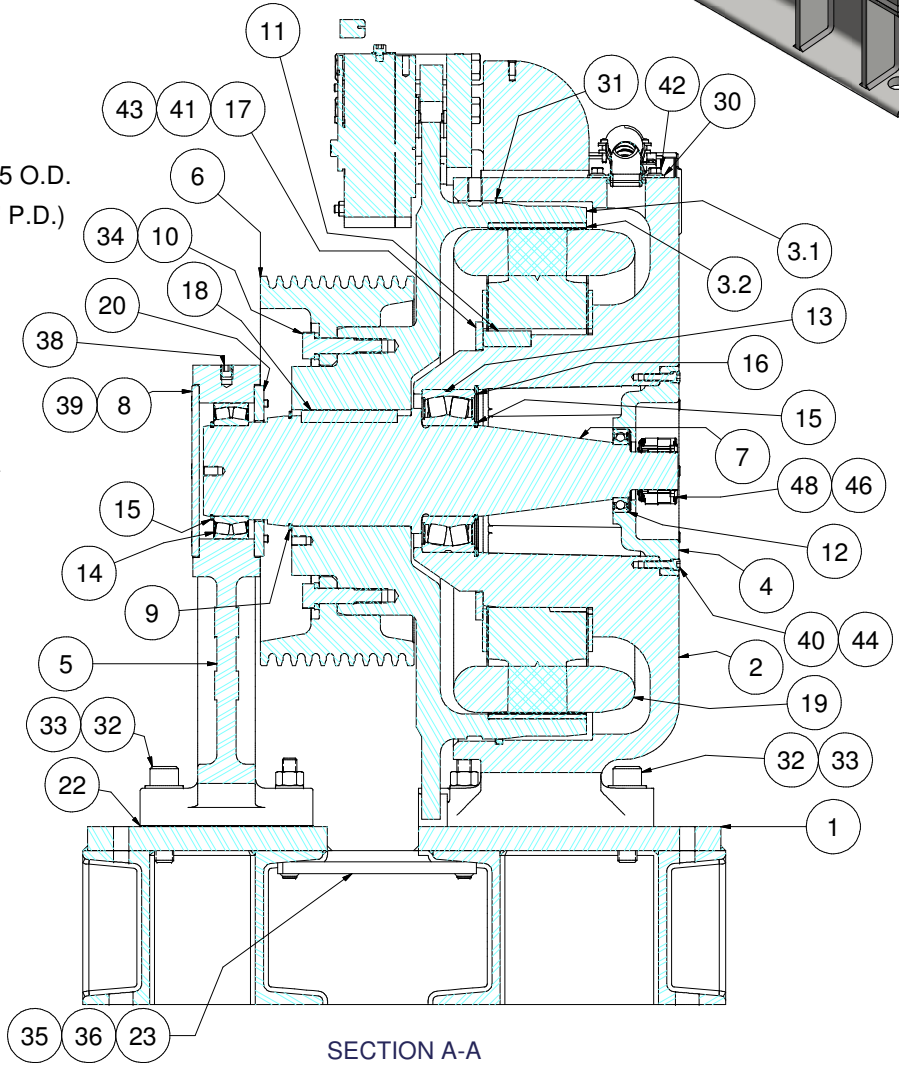
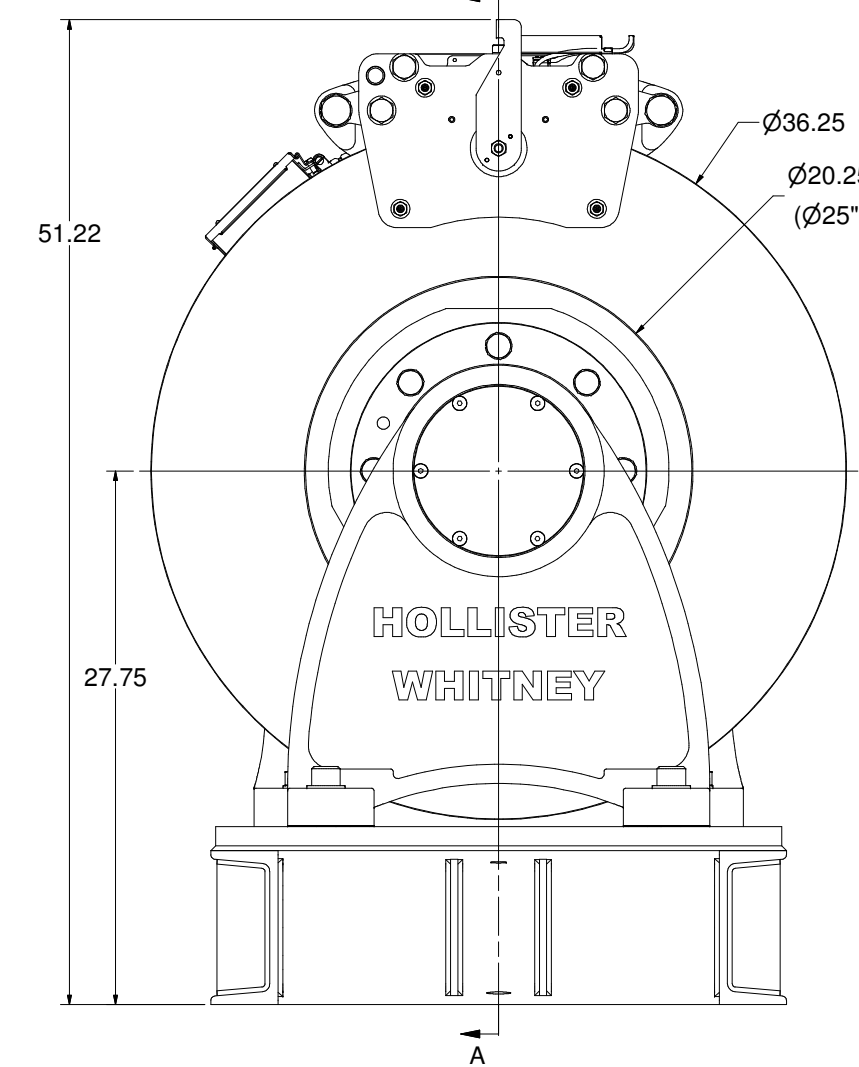
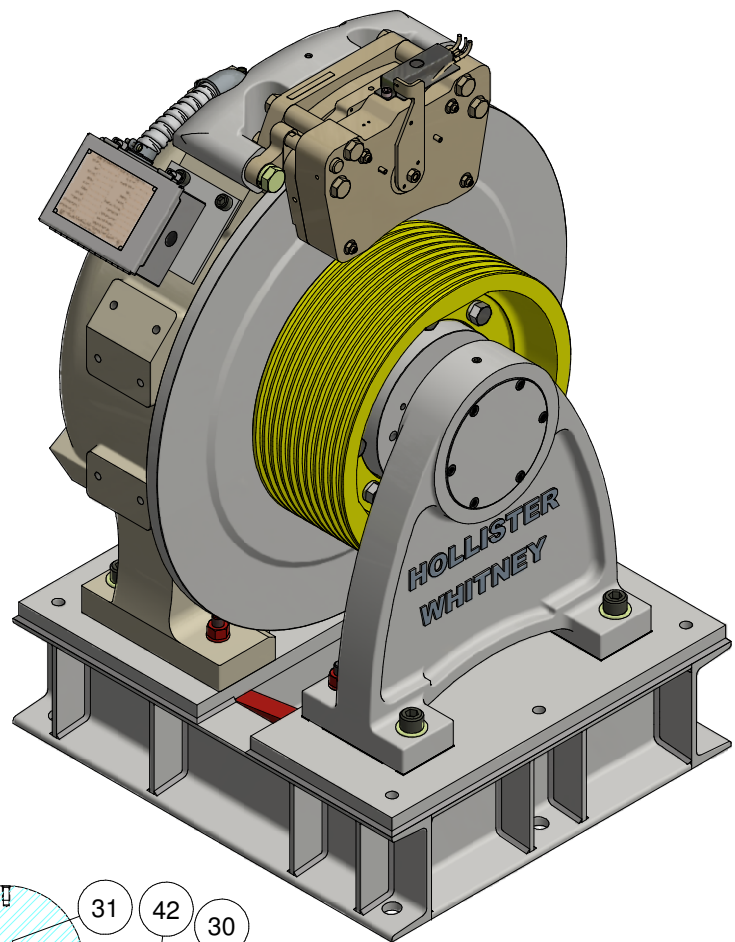
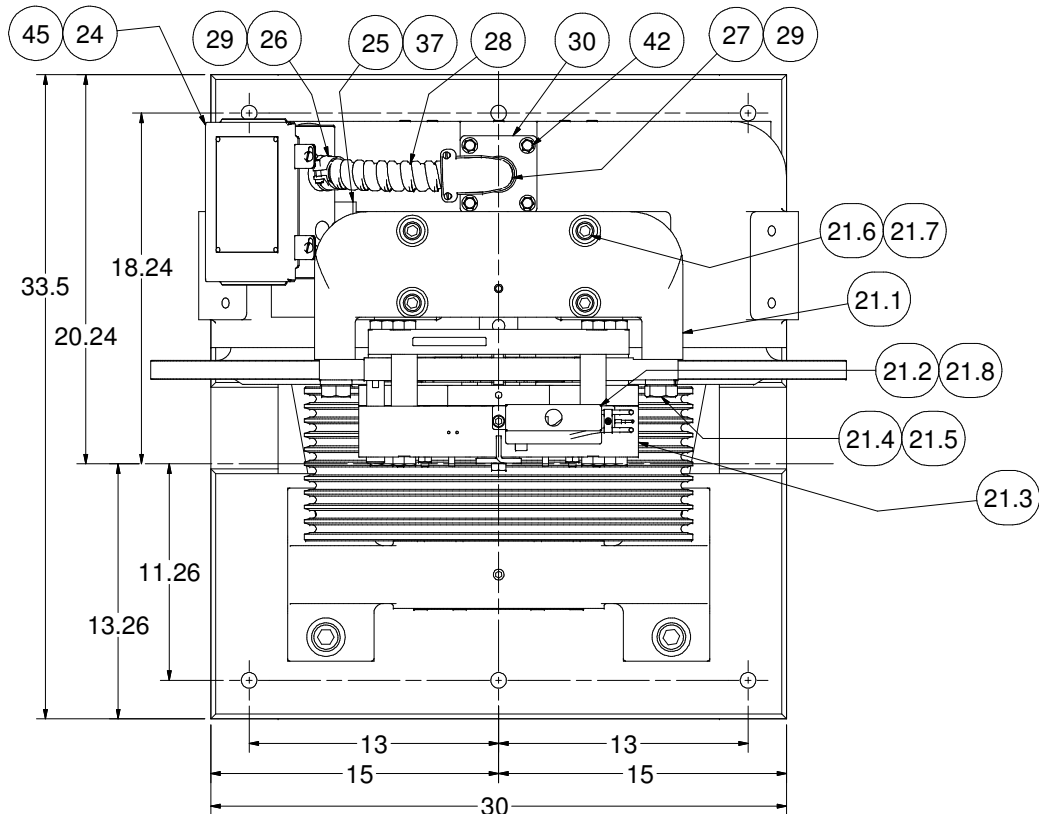
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL130ABS-01	FINISHING BASE, BASEMENT SET, GL130A
2	1	GL130A-001	BASE HOUSING, MOTOR #GL130A
3	1	GL130A-002-1	ROTOR ASSEMBLY - #GL130A1, 20" T.S.
3.1	1	GL130A-004-1	ROTOR - GL130A1, 20" T.S.
3.2	40	GL260-099	PERMANENT MAGNET - #GL260 & GL130A MOTORS
4	1	GL130A-005	BEARING CAP
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS
6	1	GL130A-008	TRACTION SHEAVE, 20"
7	1	GL185-019	END CAP
8	1	GL185-020	RETAINING RING - ROTOR
9	8	GL185-073	BODY BOLT
10	1	GL130A-018	MAIN SHAFT - GL130A 1:1 MACHINE
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	2	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL130A-100	WINDING ASSEMBLY - 40 POLE
20	1	GL185-104	CAP
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21.1	1	143-001	BRAKE BASE
21.2	1	143-003	COVER - MAYR #10 ELECTRICAL
21.3	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.4	2	1" WASHERS	Helical Spring Lock Washers
21.5	2	1-8 UNC - 3.25	Hex Cap Screw
21.6	4	5/8-11 UNC - 2.5	SOCKET HEAD CAP SCREW
21.7	4	5/8 WASHER	SAE WASHER
21.8	1	M10 x 1.5 x 12 mm	SHCS - METRIC
21.9	AS NEC	143-026	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)
		143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	2	GL130A-BS-156-5	SHIPPING BOLT
23	AS NEC	GL185-157-05	OUTBOARD STAND SHIM - 0.005" GL185 A-STAND, 25" T.W.
		GL185-157-10	OUTBOARD STAND SHIM - 0.010" GL185 A-STAND, 25" T.W.
		GL185-157-31	OUTBOARD STAND SHIM - 0.031" GL185 A-STAND, 25" T.W.
24	1	GL100-159	ELECTRICAL ENCLOSURE, HOFFMAN A806CH - MODIFIED
25	1	GL130A-159-12	MOUNTING PLATE
26	1	GL100-159-13	1-1/4 STRAIGHT BOX CONNECTOR (FLEXCON) - REF P/N BRID412DC2
27	1	GL100-159-13-1	1-1/4 90° BOX CONNECTOR (FLEXCON)
28	2	GL100-159-14	1-1/4 FLEX CONDUIT - REF. P/N GRF A114
29	2	GL100-159-15	1-1/4 ANTI SHORT BUSHING - REF. P/N THOMAS & BETTS CO. #425
30	1	GL100-159-18	BOX CONNECTOR PLATE
31	1	GL100-165-1	FELT DUST SEAL
32	4	1-8 UNC x 4	SOCKET HEAD CAP SCREW
33	4	1" WASHER	SAE WASHER
34	8	13/16 WASHER	HEAVY LOCK WASHER
35	4	3/4 UNC NUT	HEAVY HEX NUT
36	4	3/4 WASHER	SAE WASHER
37	2	5/8-11 UNC x 1	SOCKET HEAD CAP SCREW
38	1	5/8-11 UNC x 0.625	HALF DOG SET SCREW
39	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
40	8	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
41	6	3/8 - 16 UNC x 1.25	SOCKET HEAD CAP SCREW
42	4	3/8 - 16 UNC x 0.5	WHIZ BOLT
43	6	3/8 WASHER	STANDARD LOCK
44	8	3/8 WASHER	SOCKET HEAD CAP SCREW LOCK
45	4	1/4-20 UNC x 0.5	WHIZ BOLT
46	4	#8-32 x 1/4"	SOCKET HEAD CAP SCREW
47	4	#8 LOCK WASHER	EXT. TOOTH LOCK WASHER
48	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

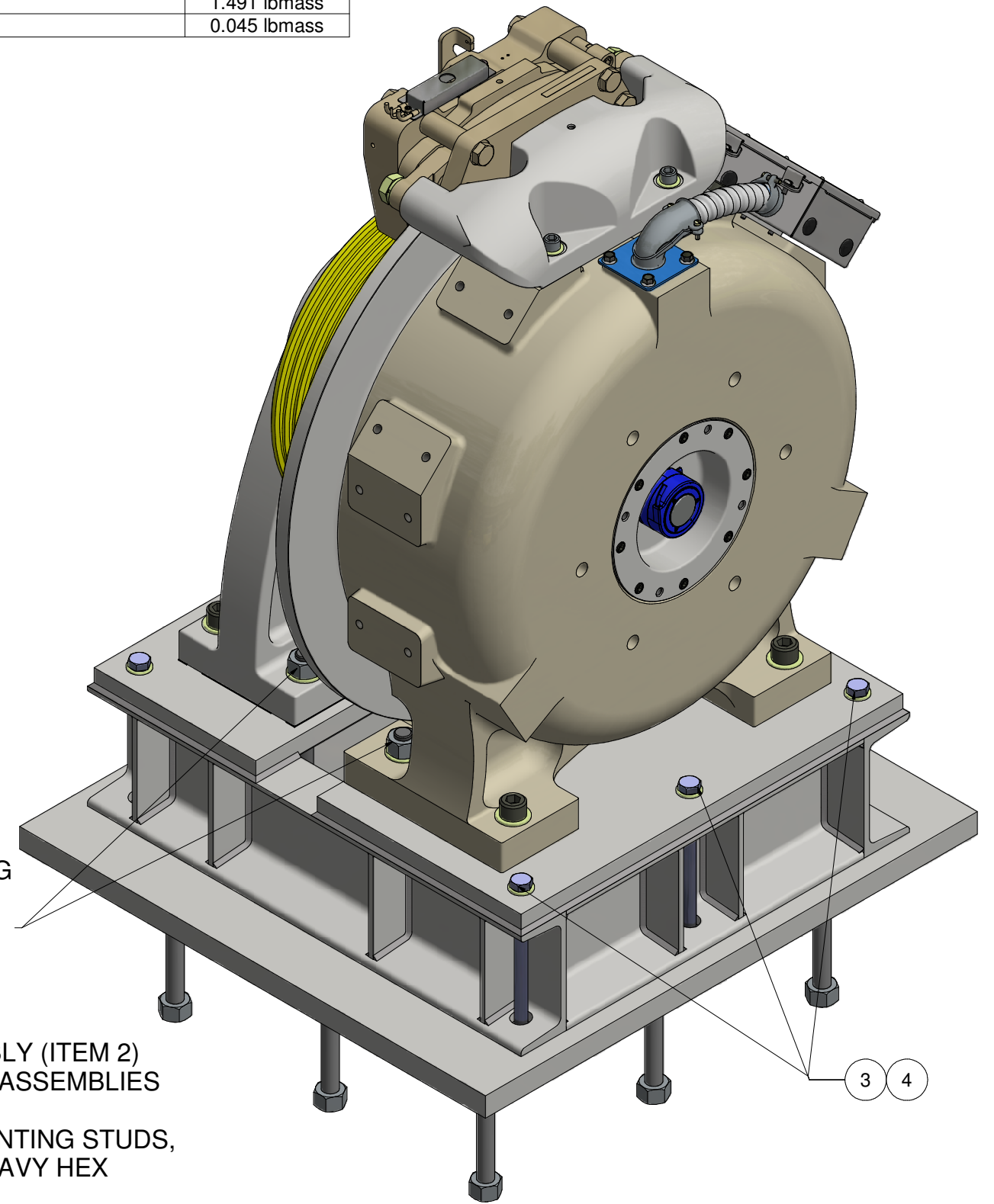
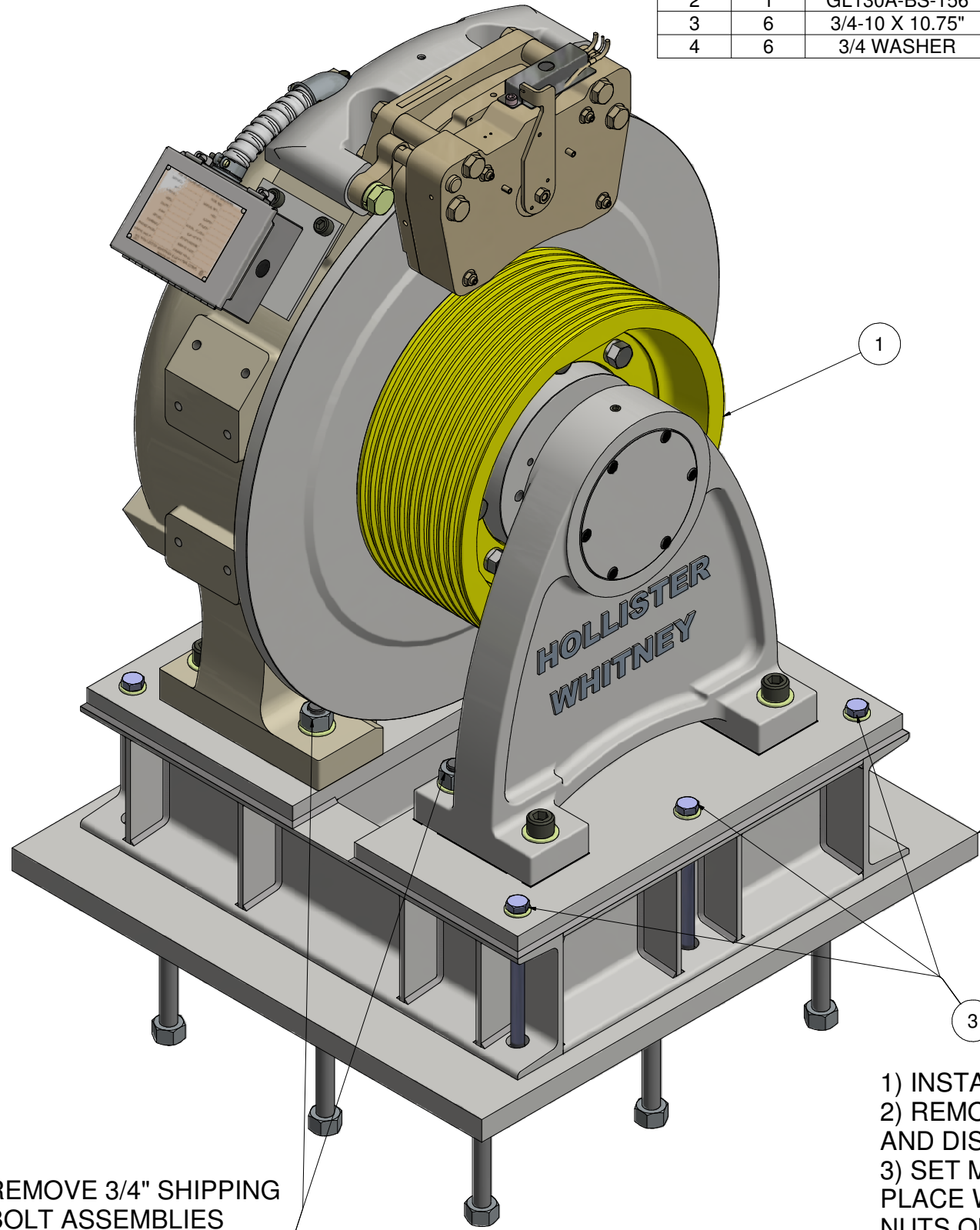
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED 20" (fpm)
GL130A-20L	GL130A-170-200	90	130A/130	170	38.2	200
GL130A-20H	GL130A-360-200	90	130A/130	360	38.2	200
GL130A-40L	GL130A-170-400	91	130A/130	170	76.4	400

D

WEIGHT: 3678.1 lbmass

		HOLLISTER-WHITNEY ELEVATOR CORP.	
		TITLE GEARLESS MACHINE, 2500# CAP w/20" TW; 1:1 ROPED	
D	ADD A-STAND & BRAKE SHIMS EFF. UPDTE PUR #8426	LTL	8/23/17
C	RELOCATION, PUR #636	LTL	3/4/14
B	UPDATE BASE & SHIPPING BOLTS, PUR #625	LTL	1/22/14
A	PRODUCTION RELEASE, PUR #611	LTL	8/29/13
		SCALE	MATERIAL
		BY	NA
		SEE PARTS LIST	
		SHEET SIZE	DATE
		D	8/22/2013
		DIMENSIONAL TOL. 1 PLACE ± 0.01 2 PLACE ± 0.005 3/4 PLACE ± 0.001 ANGLES ± 0.1 REF. OPEN (NOMINAL) ± 0.0150	
		GL130A1-BS SHEET 1 OF 3	

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL130A1-BS	GEARLESS MACHINE, 2500# CAP w/20" TW; 1:1 ROPED	3668.918 lbmass
2	1	GL130A-BS-156	FOUNDATION PLATE ASSEMBLY - GL130A BASEMENT SET	619.203 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass



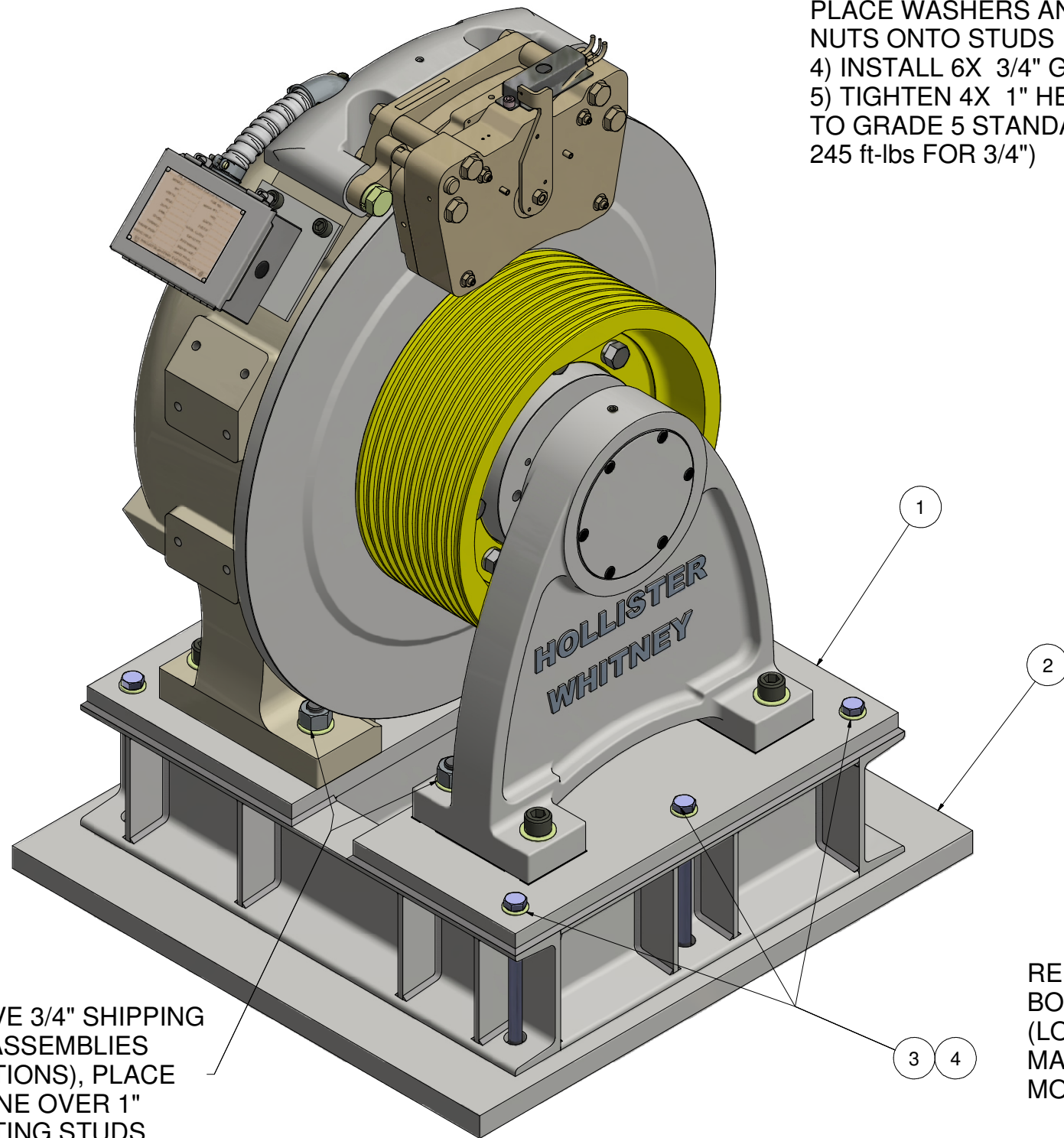
REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

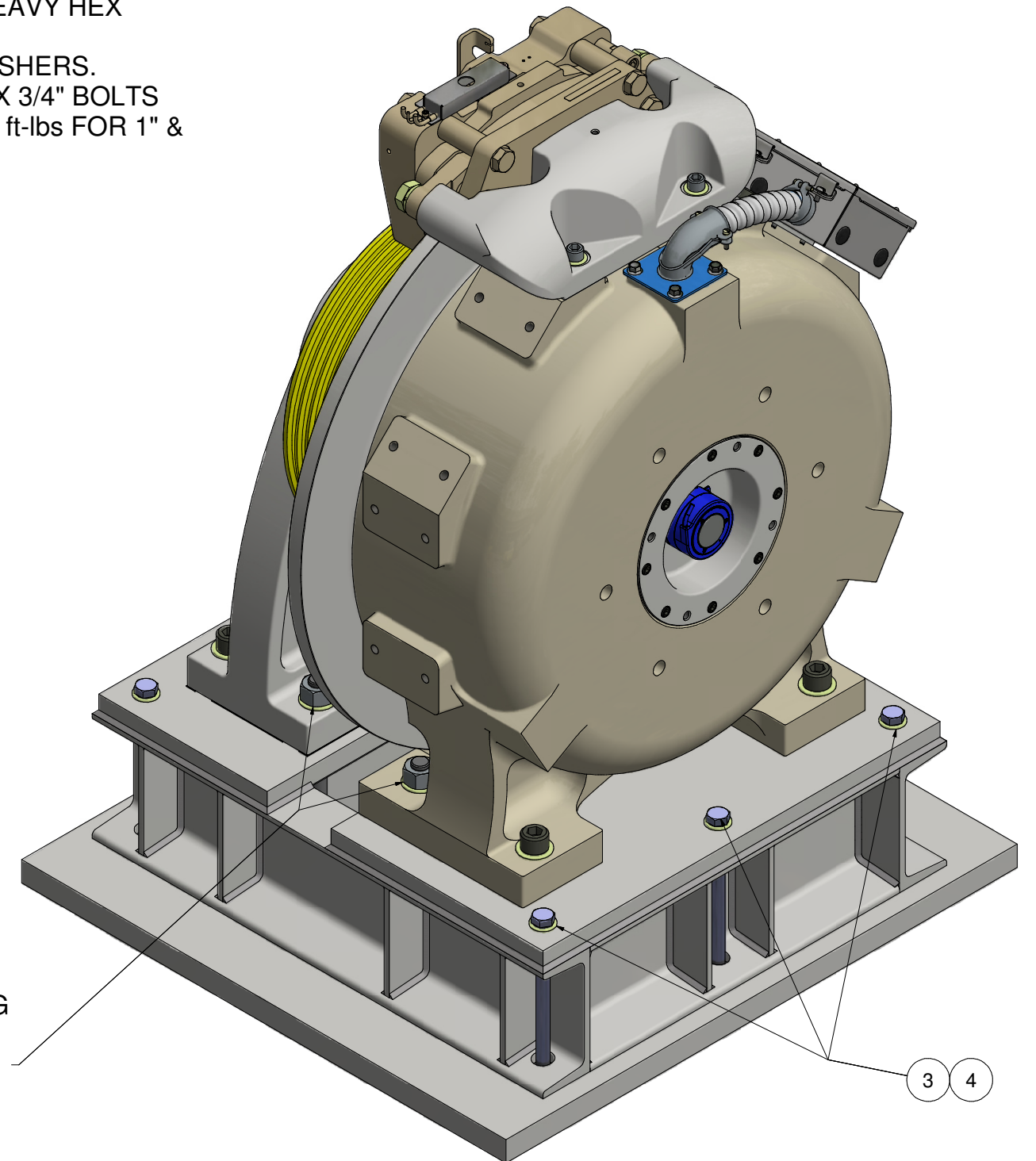
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) 3/4" SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL130A1-BS	GEARLESS MACHINE, 2500# CAP w/20" TW; 1:1 ROPED	3668.918 lbmass
2	1	GL130A-BS-156A	FOUNDATION ADAPTOR PLATE ASSEMBLY - GL130A BASEMENT SET	593.366 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

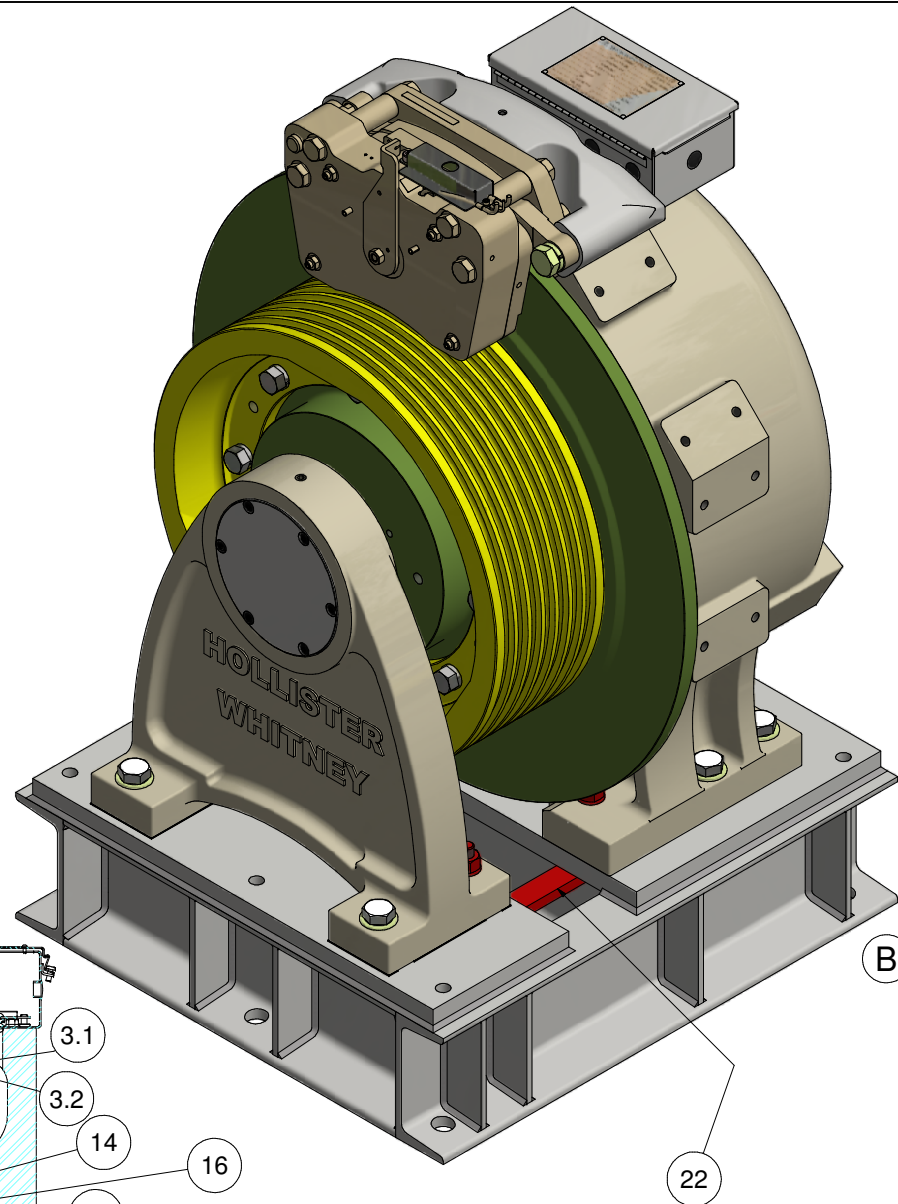
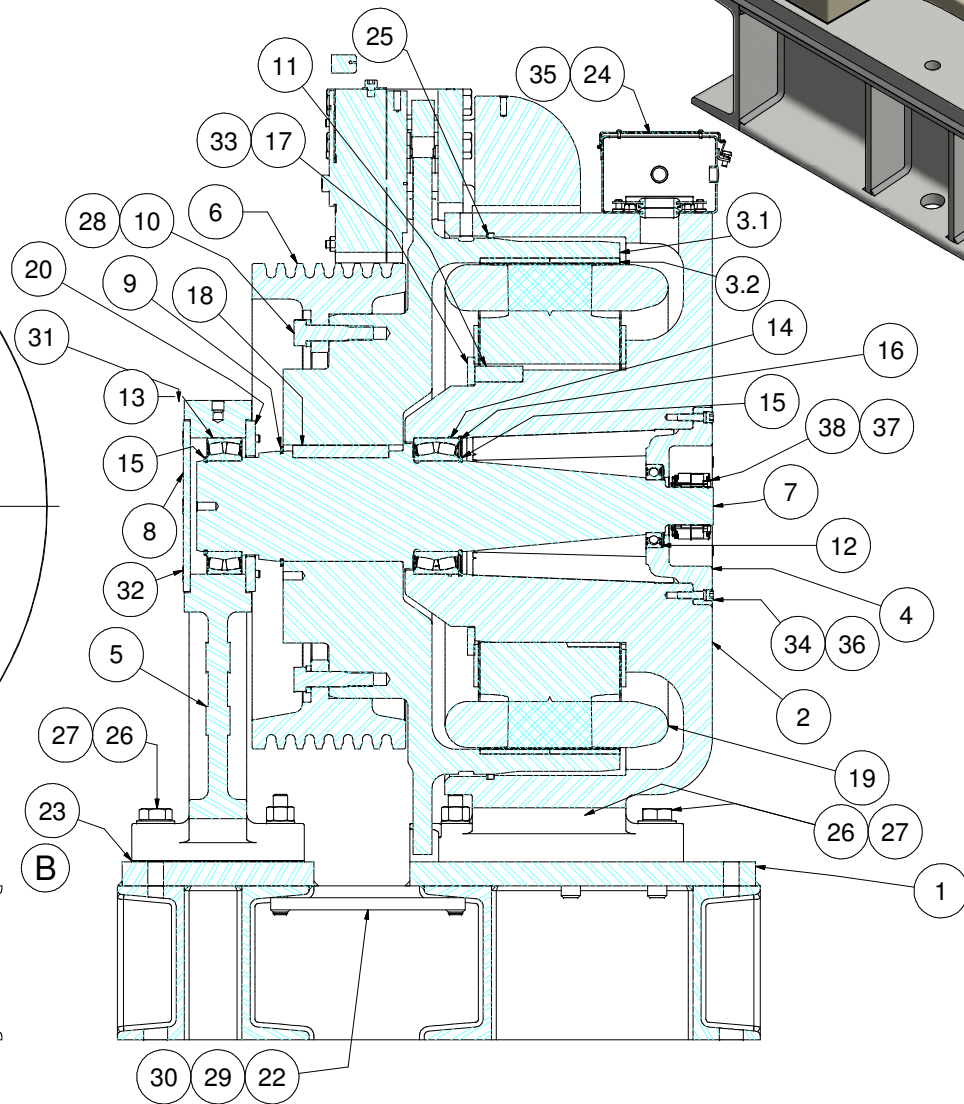
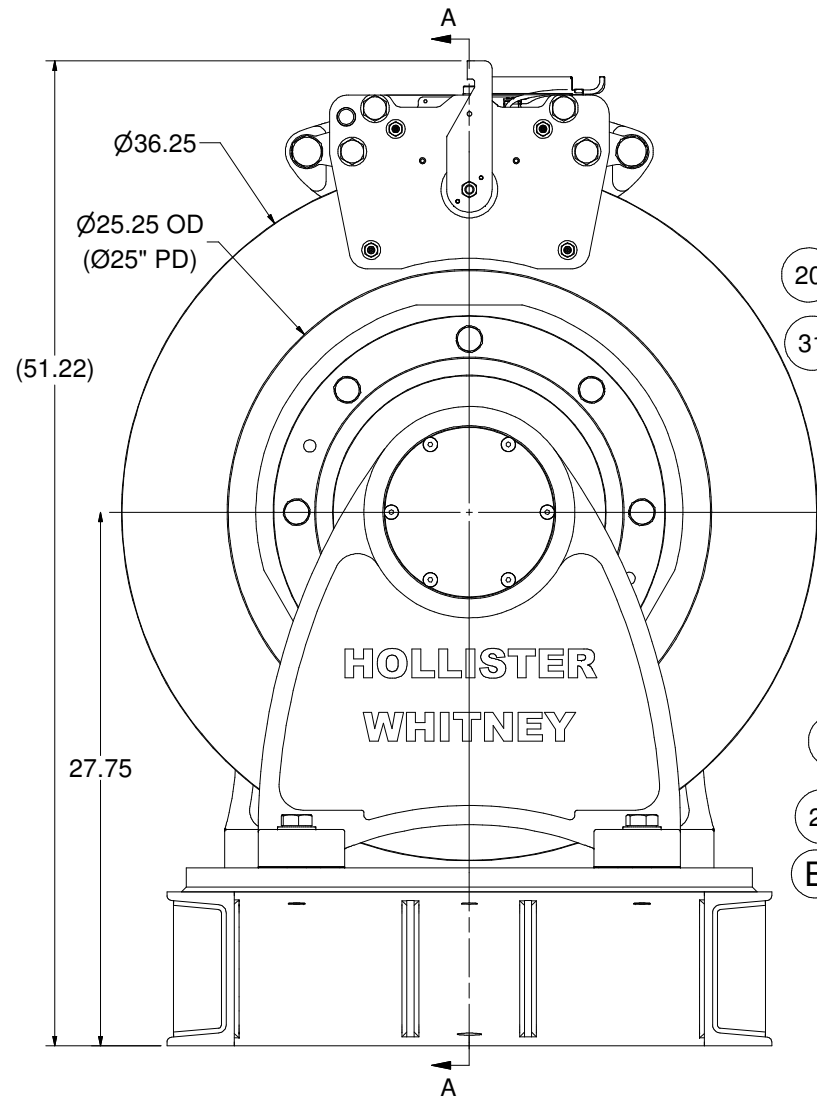
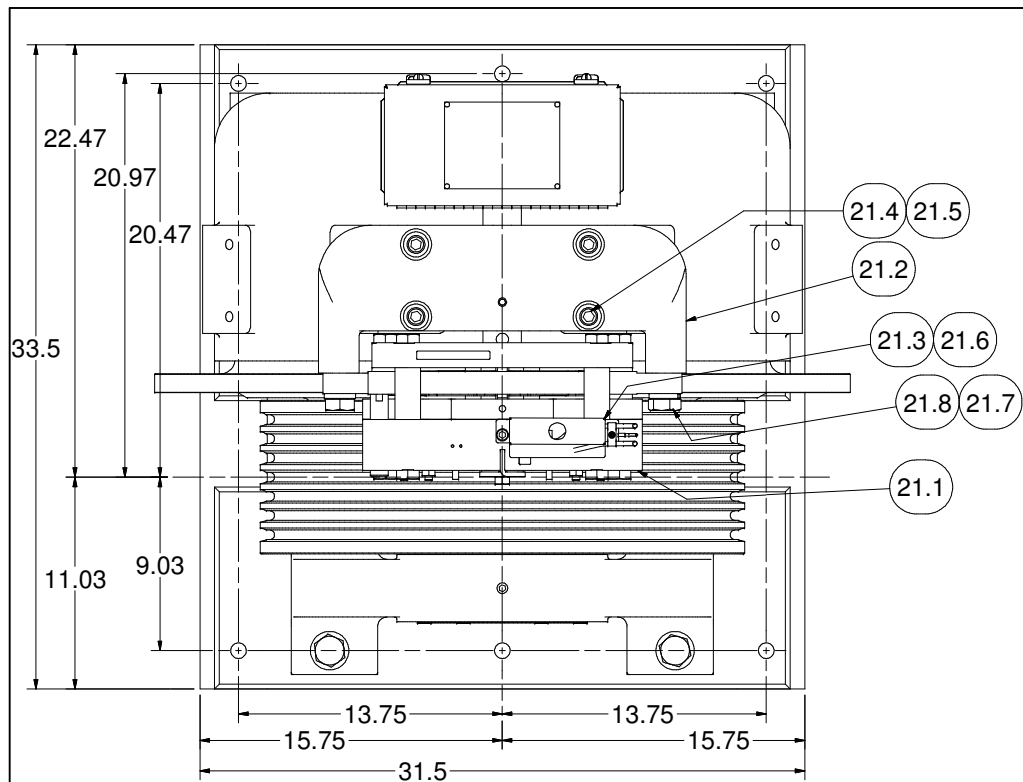
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



REMOVE 3/4" SHIPPING BOLT ASSEMBLIES (LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL185BS-01	FINISHING BASE, BASEMENT SET, GL185
2	1	GL185-001	BASE HOUSING, MOTOR #GL185
3	1	GL185-002	ROTOR ASSEMBLY - MOTOR #GL185
3.1	1	GL185-004	ROTOR
3.2	80	GL185-099	PERMANENT MAGNET - MOTOR #GL185
4	1	GL100-005	BEARING CAP
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS
6	1	GL185-008	SHEAVE, 25"
7	1	GL185-018	MAIN SHAFT - GL185 1:1 MACHINE
8	1	GL185-019	END CAP
9	1	GL185-020	RETAINING RING - ROTOR
10	8	GL185-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
14	1	GL185-091	BEARING, SEALED SPHERICAL ROLLER
15	2	GL130-092	RETAINING RING - SHAFT
16	1	GL100-093	RETAINING RING - HOUSING
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL185-100	WINDING ASSEMBLY - 40 POLE
20	1	GL185-104	CAP
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21.1	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.2	1	143-001	BRAKE BASE
21.3	1	143-003	COVER - MAYR #10 ELECTRICAL
21.4	2	1" WASHER	Helical Spring Lock Washers
21.5	2	1-8 UNC - 3.25	Hex Cap Screw
21.6	4	5/8 - 11 UNC x 2.5"	SOCKET HEAD CAP SCREW
21.7	4	5/8 WASHER	STANDARD WASHER
21.8	1	M10 x 1.5 x 12 mm	SHCS - METRIC
21.9	AS	143-026	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)
21.9	NEC	143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	2	GL185BS-156-5	SHIPPING BOLT
23	AS	GL185-157-05	OUTBOARD STAND SHIM - 0.005" GL185 A-STAND, 25" T.W.
23	NEC	GL185-157-10	OUTBOARD STAND SHIM - 0.010" GL185 A-STAND, 25" T.W.
23	NEC	GL185-157-31	OUTBOARD STAND SHIM - 0.031" GL185 A-STAND, 25" T.W.
24	1	GL185-159	HOFFMAN ELECTRICAL ENCLOSURE, A12064CH MODIFIED
25	1	GL100-165-1	FELT DUST SEAL
26	6	1 - 8 UNC x 4"	HEX HEAD CAP SCREW
27	6	1" WASHER	SAE WASHER
28	8	13/16 WASHER	HEAVY LOCK WASHER
29	4	3/4 - 10 UNC	HEAVY HEX NUT
30	4	3/4 WASHER	SAE WASHER
31	1	5/8-11 UNC x 0.625	Hexagon Socket Set Screw - Flat Point
32	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
33	6	3/8 - 16 UNC x 1.25	SOCKET HEAD CAP SCREW
34	6	3/8 - 16 UNC x 1.5	SOCKET HEAD CAP SCREW
35	4	3/8-16 UNC x 0.5	Hex Flange Screw - Regular Thread - Inch
36	12	3/8 Washers	SHCS Lock Washers (High Collar)
37	4	#8 - 32 UNC - 1/4	Hexagon Socket Head Cap Screw
38	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED (fpm)
GL185-35L	GL185-170-350	90	185	170	53.5	350
GL185-35H	GL185-360-350	90	185	360	53.5	350
GL185-50L	GL185-170-500	90	185	170	76.4	500
GL185-50H	GL185-360-500	90	185	360	76.4	500
GL185-70L	GL185-170-700	90	185	170	107.0	700

WEIGHT: 4386.1 lbmass

HOLLISTER-WHITNEY
ELEVATOR CORP.

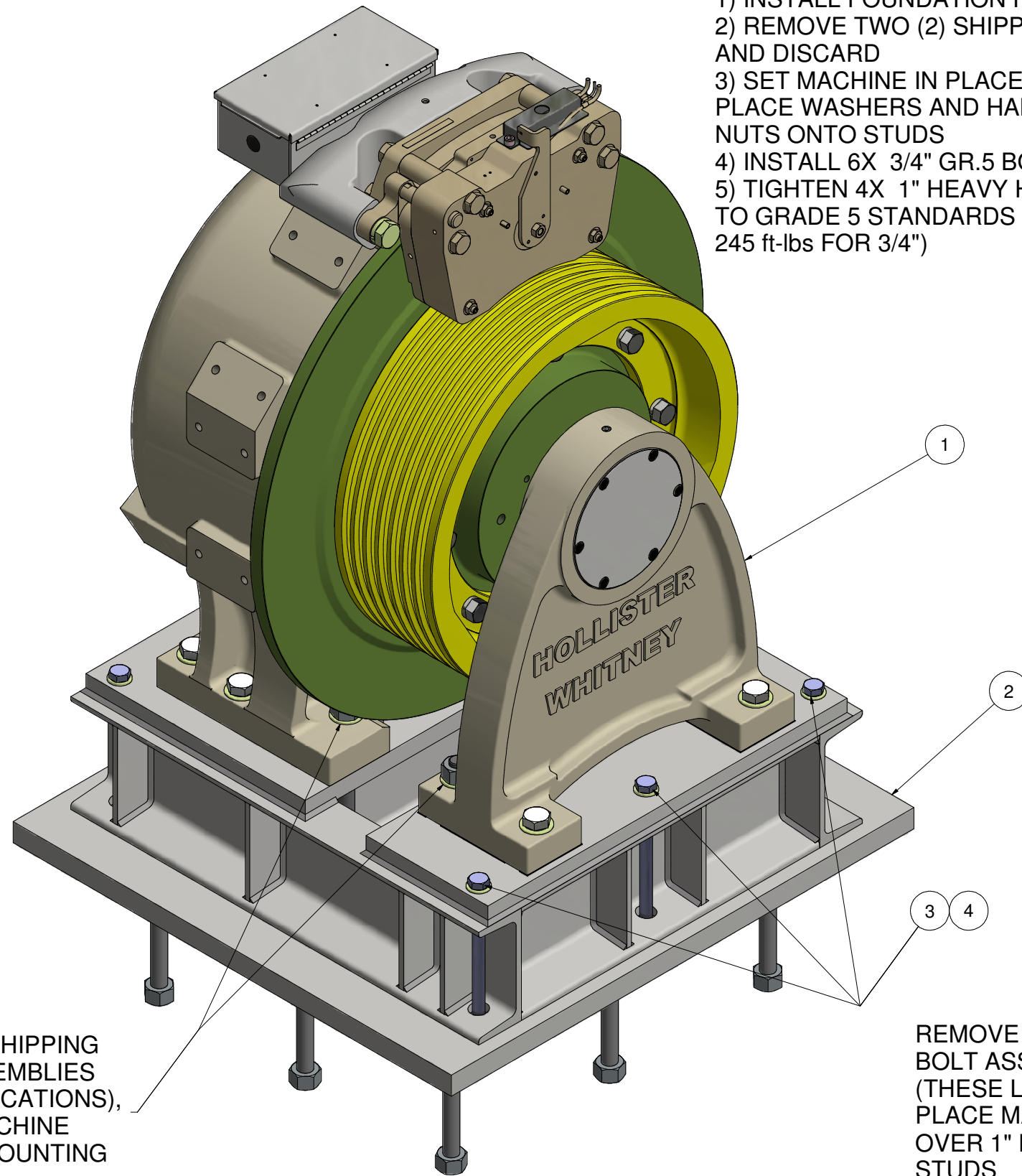
TITLE
GEARLESS MACHINE (3000 LBS MAX CAPACITY); 1:1 ROPED

DRAWN BY LTL	SCALE NA	MATERIAL SEE PARTS LIST ABOVE	DIMENSIONAL TOL. 1 PLACE ±0.01 2 PLACE ±0.005 3&4 PLACE ±0.001 ANGLES ±0.1° REF. OPEN (INCHES) ±0.0156
DATE 1/17/2014	SHEET SIZE D	DATE 1/17/2014	GL185-BS SHEET 1 OF 3

ADD A-STAND & BRAKE SHIMS, PUR#842
PRODUCTION RELEASE, PUR #631
LTL 6/26/17
LTL 2/10/14

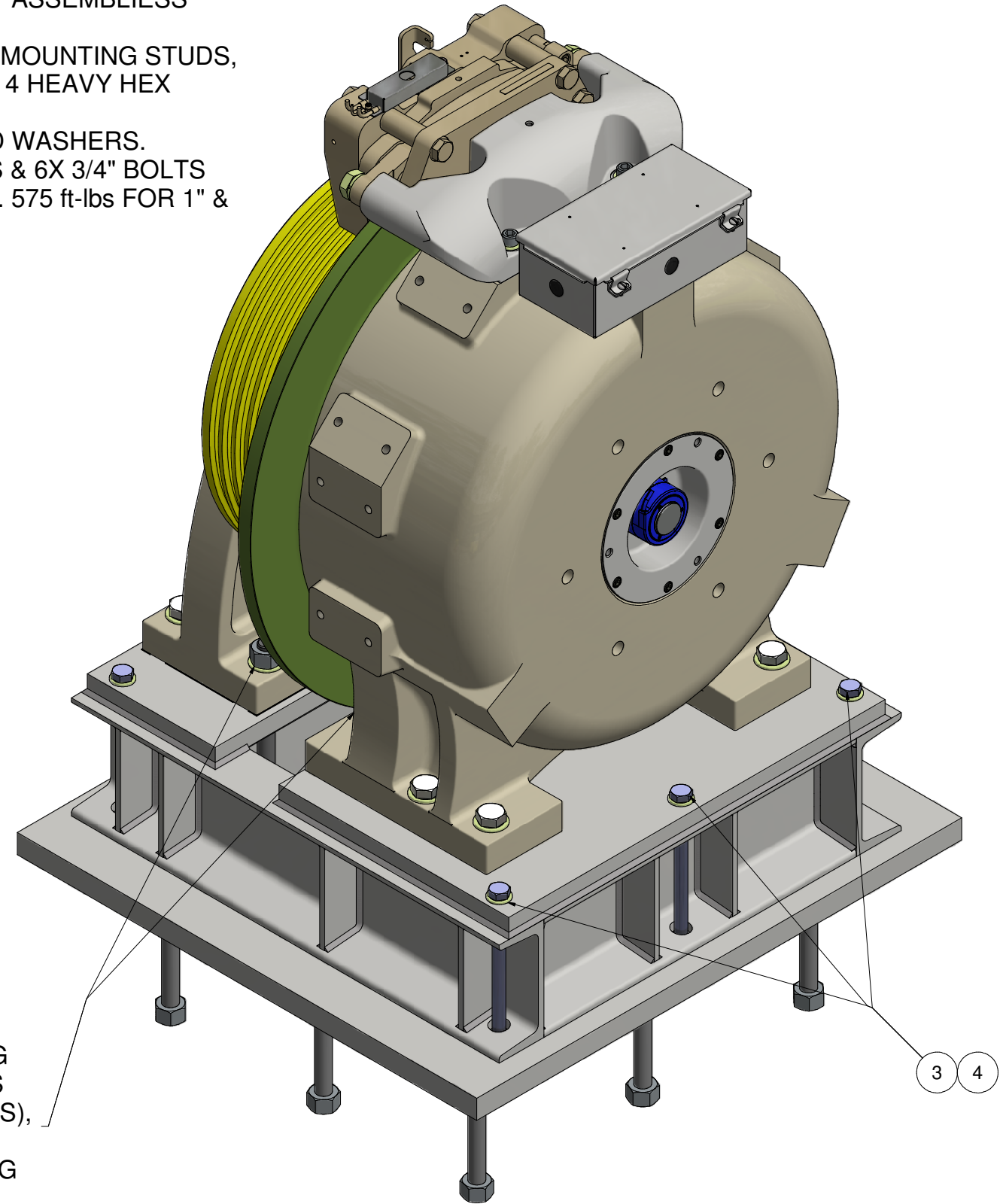
Parts List					
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS	
1	1	GL185-BS	GEARLESS MACHINE (3000 LBS MAX CAPACITY); 1:1 ROPED	4383.321 lbmass	
2	1	GL185BS-156	FOUNDATION PLATE ASSEMBLY - GL185 BASEMENT SET	619.203 lbmass	
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass	
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass	

- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

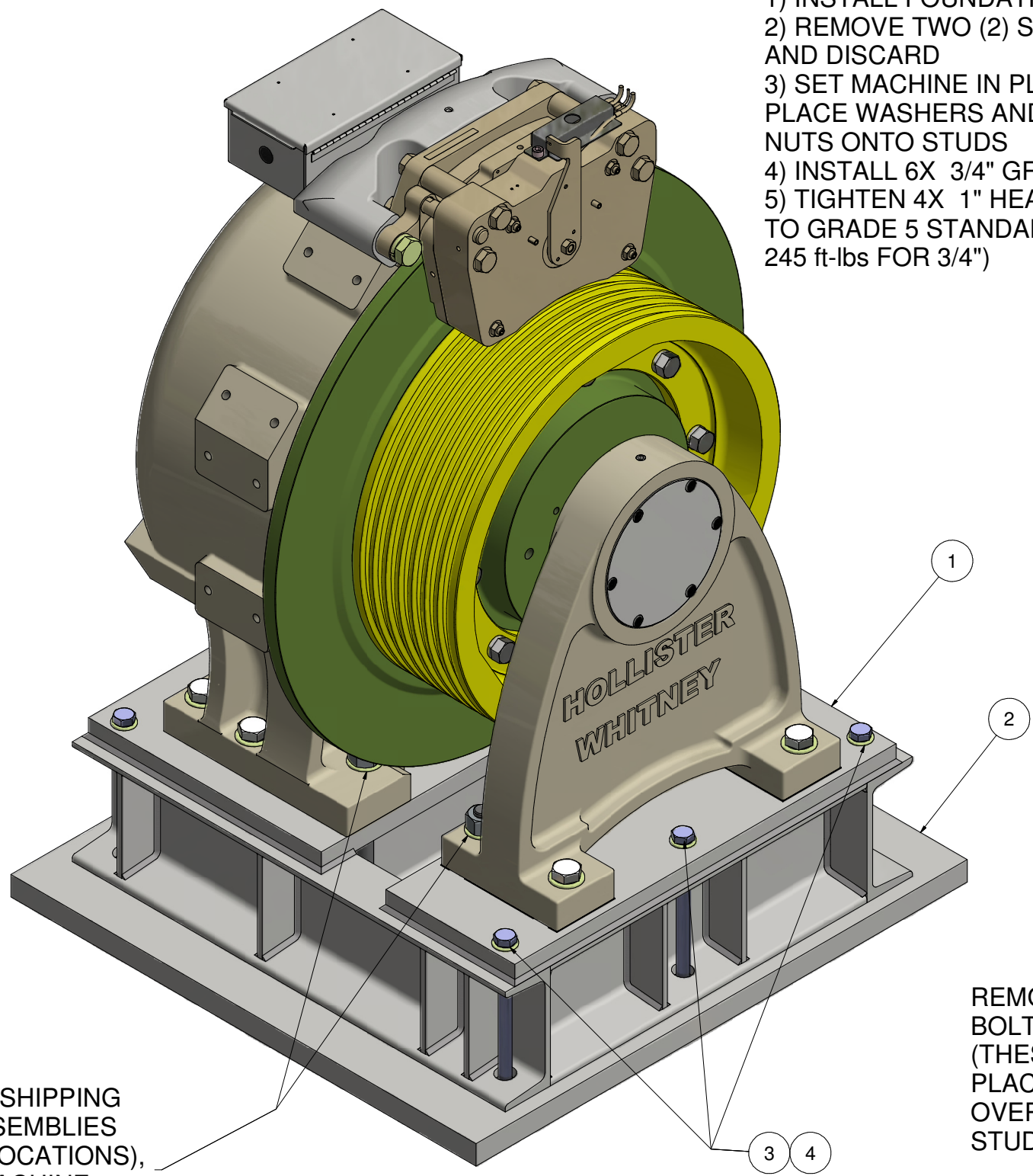
REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



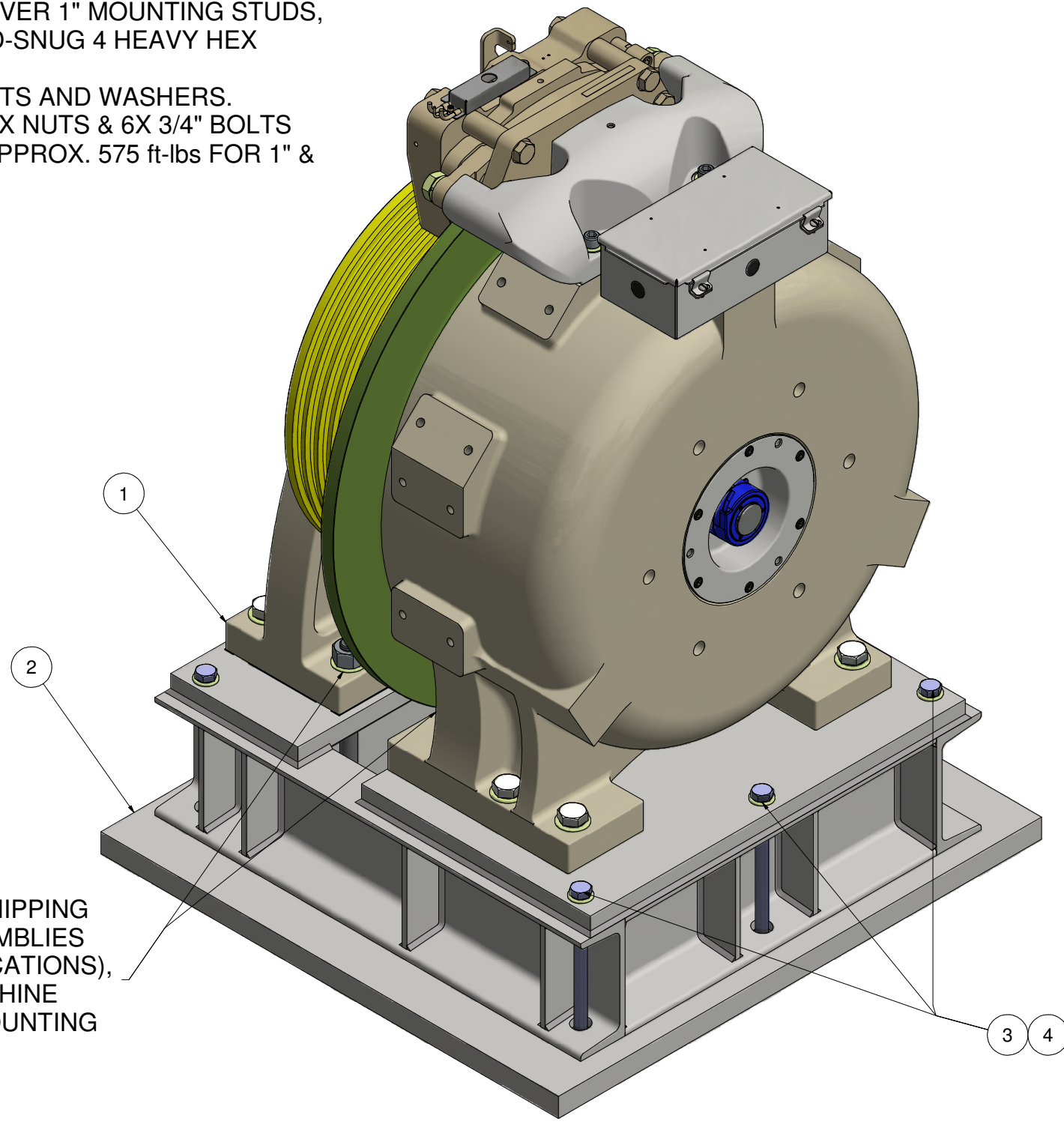
3 4

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL185-BS	GEARLESS MACHINE (3000 LBS MAX CAPACITY); 1:1 ROPED	4383.321 lbmass
2	1	GL185BS-156A	FOUNDATION PLATE ASSEMBLY - GL185 BASEMENT SET	593.366 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.491 lbmass
4	6	3/4 WASHER	SAE WASHER	0.045 lbmass

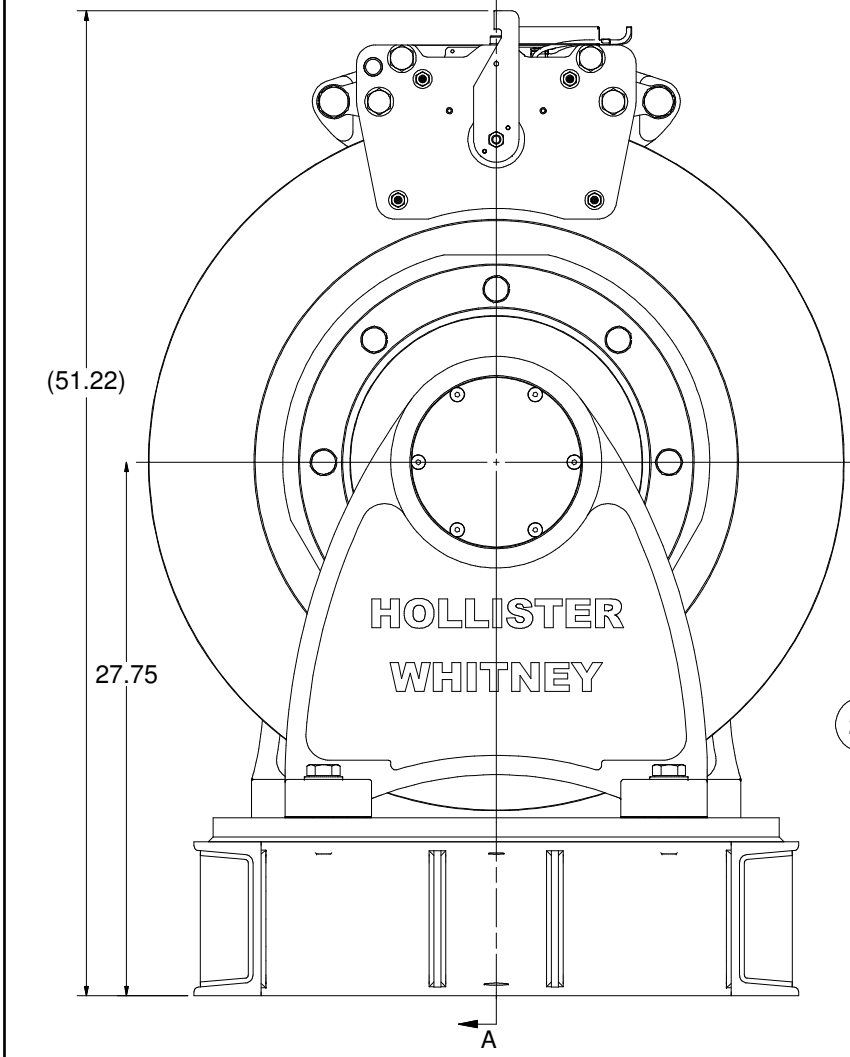
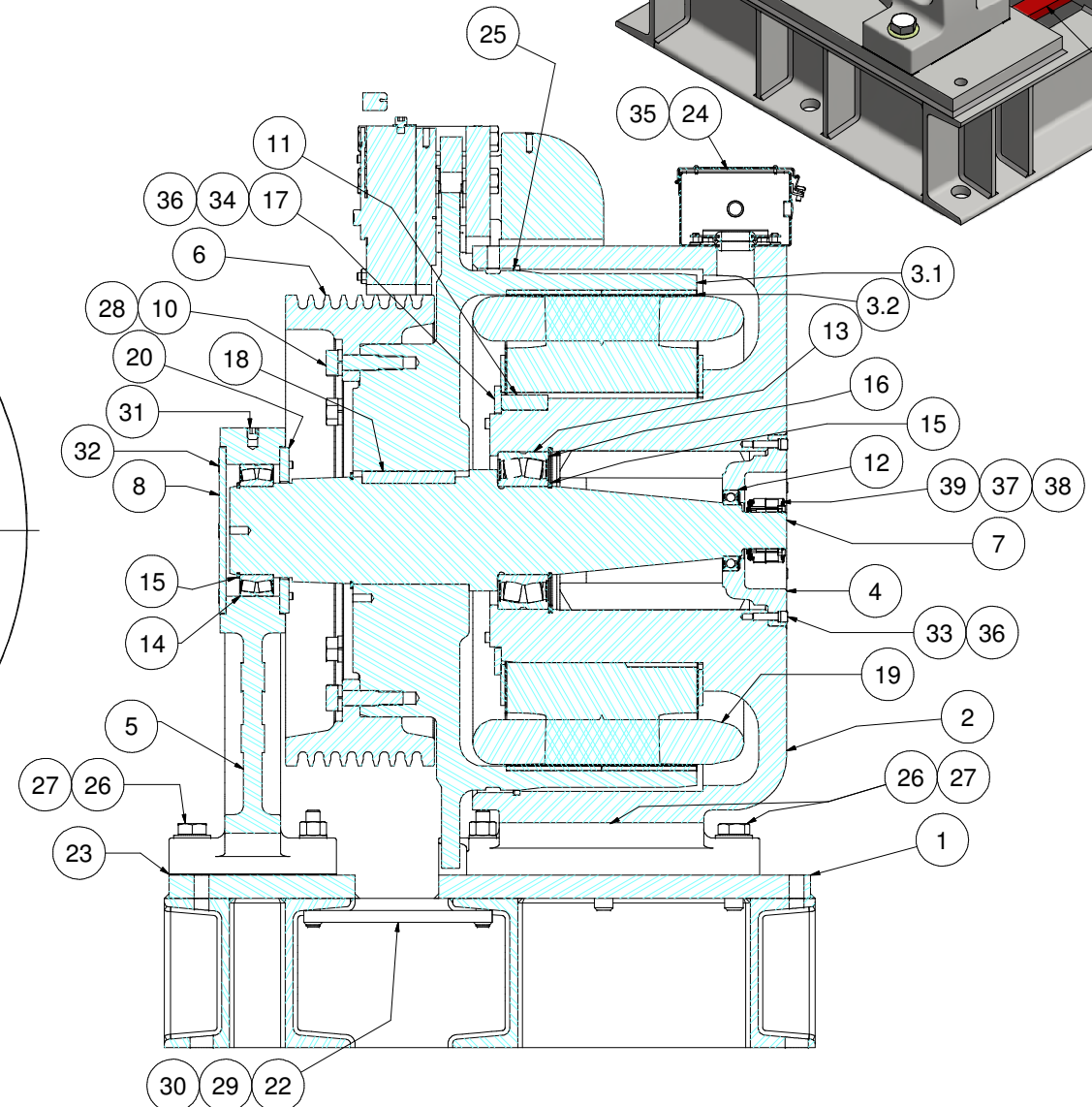
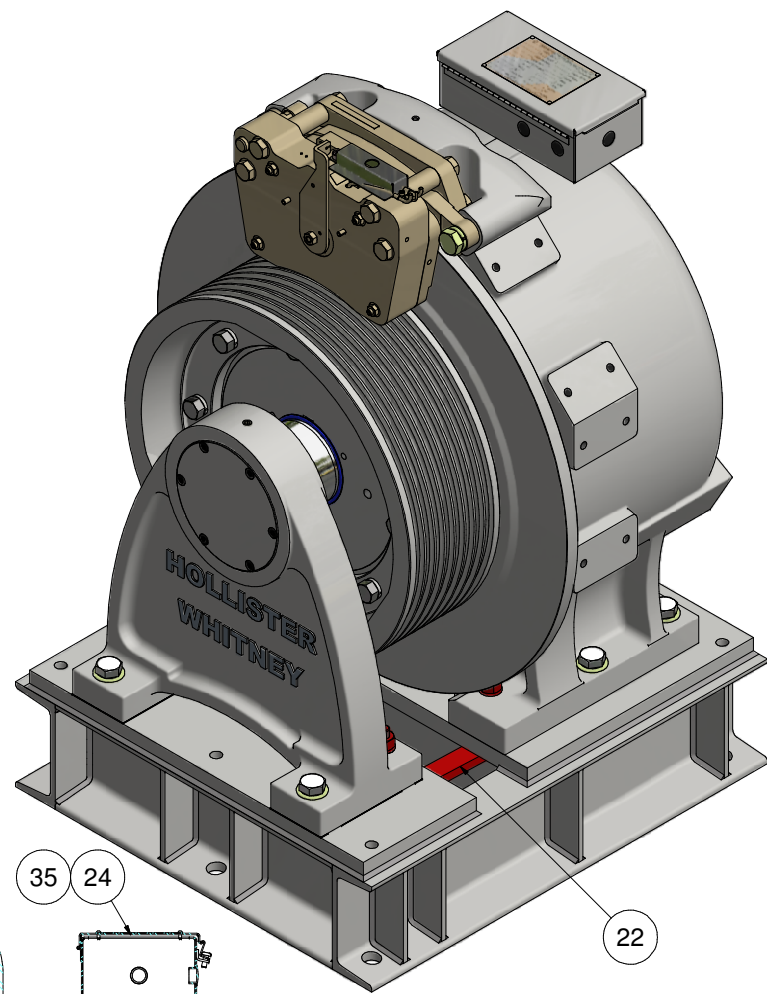
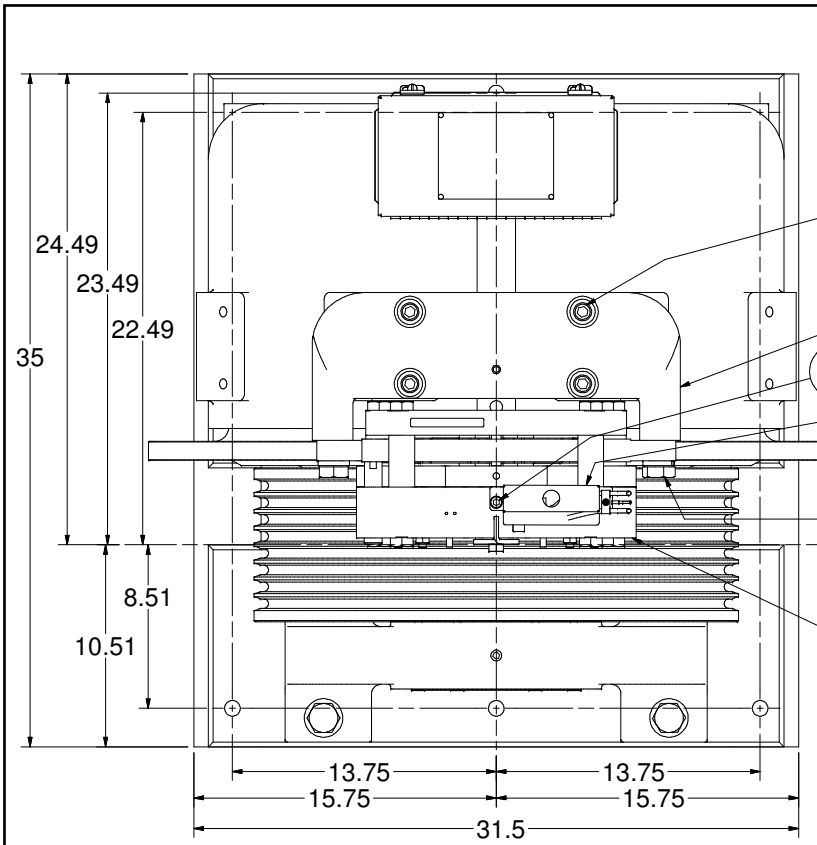
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL260BS-01	FINISHING BASE, BASEMENT SET, GL260
2	1	GL260-001	BASE HOUSING, MOTOR #GL260
3	1	GL260-002	ROTOR ASSEMBLY - MOTOR #GL260
3.1	1	GL260-004	ROTOR
3.2	80	GL260-099	PERMANENT MAGNET - #GL260 & GL130A MOTORS
4	1	GL260-005	BEARING CAP
5	1	GL185-006	OUTBOARD STAND, AC GEARLESS
6	1	GL185-008	TRACTION SHEAVE, 25"
7	1	GL260-018	MAIN SHAFT
8	1	GL185-019	END CAP
9	1	GL185-020	RETAINING RING - ROTOR
10	8	GL185-073	BODY BOLT
11	1	GL100-088	KEY - STATOR CORE TO BASE
12	1	GL185-089	BEARING, SEALED SINGLE ROW DEEP GROOVE BALL
13	1	GL130-090	SEALED SPHERICAL ROLLER BEARING
14	1	GL185-090	BEARING, SEALED SPHERICAL ROLLER
15	2	GL130-092	RETAINING RING - SHAFT
16	1	GL130-093	RETAINING RING - HOUSING
17	1	GL185-094	CLAMP RING - STATOR ASSEMBLY
18	1	GL185-095	KEY - MAIN SHAFT TO ROTOR
19	1	GL260-100	WINDING ASSEMBLY - 40 POLE
20	1	GL185-104	CAP
21	1	GL185-143	DISC BRAKE (MAYR 10) ASSEMBLY
21.1	1	GL185-143-115	MAYR #10; RSD 10/894.210.03
21.2	1	143-001	BRAKE BASE
21.3	1	143-003	COVER - MAYR #10 ELECTRICAL
21.4	2	1-8 UNC - 3.25	Hex Cap Screw
21.5	2	1	WASHER Helical Spring Lock Washers
21.6	4	5/8 - 11 UNC x 2.5"	SOCKET HEAD CAP SCREW
21.7	4	5/8	WASHER STANDARD WASHER
21.8	1	M10 x 1.5 x 12 mm	SHCS - METRIC
21.9	AS NEC	143-026	BRAKE HOUSING SHIM - 0.03" (NOT SHOWN)
		143-027	BRAKE HOUSING SHIM - 0.06" (NOT SHOWN)
22	2	GL185BS-156-5	SHIPPING BOLT
23	AS NEC	GL185-157-05	OUTBOARD STAND SHIM - 0.005"
		GL185-157-10	OUTBOARD STAND SHIM - 0.010"
		GL185-157-31	OUTBOARD STAND SHIM - 0.031"
24	1	GL185-159	HOFFMAN ELECTRICAL ENCLOSURE, A12064CH MODIFIED
25	1	GL100-165-1	FELT DUST SEAL
26	6	1 - 8 UNC x 4"	HEX HEAD CAP SCREW
27	6	1"	WASHER SAE WASHER
28	8	13/16	WASHER Heavy Helical Spring Lock Washers(Inch Series)
29	4	3/4 - 10 UNC	HEAVY HEX NUT
30	4	3/4	WASHER SAE WASHER
31	1	5/8-11 UNC x 0.625	FLAT POINT SET SCREW
32	6	3/8-16 UNC x 4	FLAT HEAD CAP SCREWS
33	6	3/8 - 16 UNC - 1 1/2	Hexagon Socket Head Cap Screw
34	6	3/8 - 16 UNC - 1 1/4	Hexagon Socket Head Cap Screw
35	4	3/8-16 UNC x 0.5	Hex Flange Screw - Regular Thread - Inch
36	12	3/8 Washers	High-Collar Helical Spring Lock Washers
37	4	#8 - 32 UNC - 1/4	Hexagon Socket Head Cap Screw
38	4	#8 LOCK WASHER	EXT. TOOTH LOCK WASHER
39	1	ECN 113 52810061	50mm HEIDENHAIN ENCODER

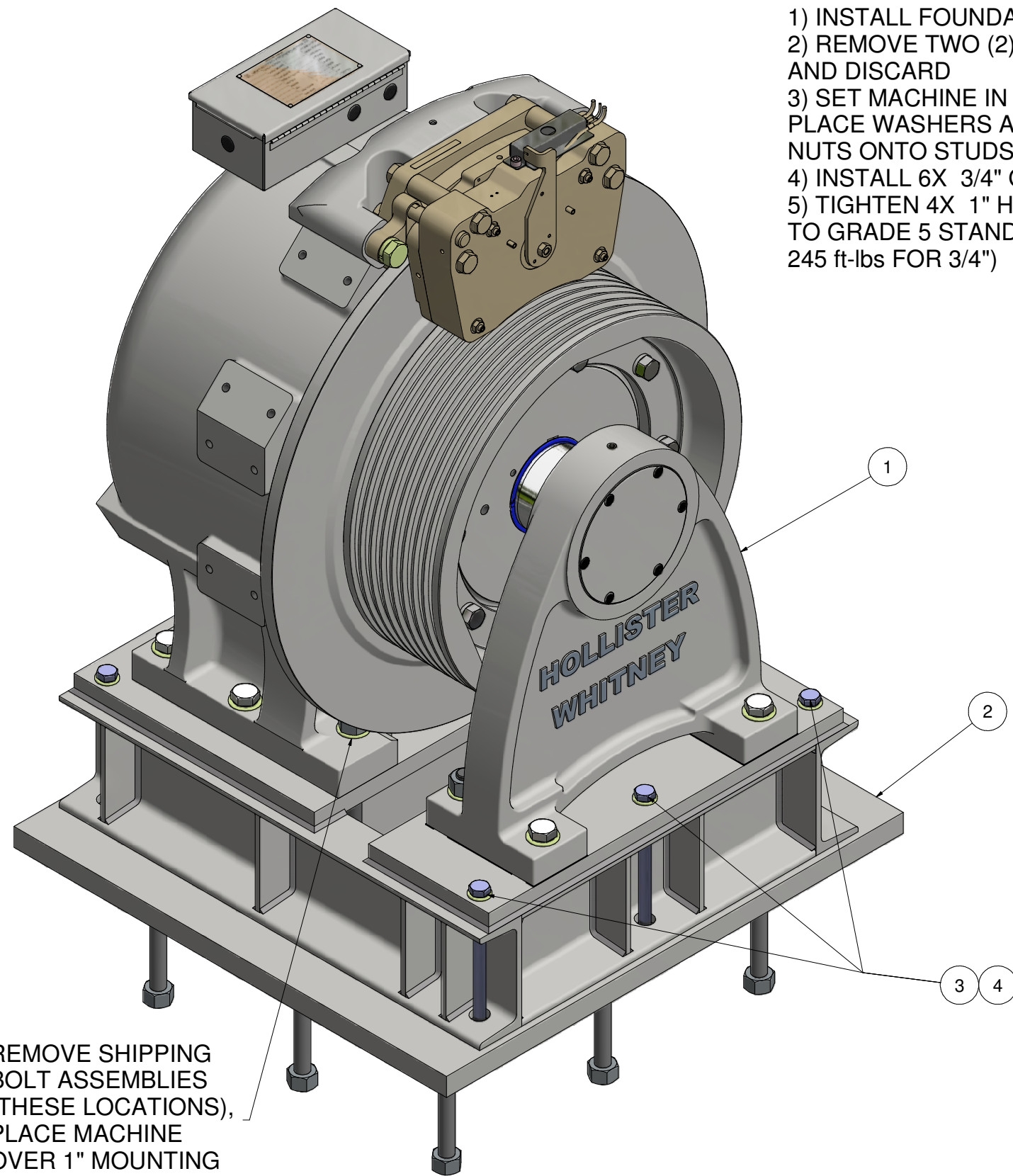
MACHINE #	WINDING P/N	COIL/WINDING EFFICIENCY (%)	FRAME/MAGNET SIZE (mm)	VOLTAGE (Vac)	MACHINE SPEED (RPM)	CAR SPEED (fpm)
GL260-35L	GL260-170-350	90	260	170	53.5	350
GL260-35H	GL260-360-350	90	260	360	53.5	350
GL260-50L	GL260-170-500	90	260	170	53.5	500
GL260-50H	GL260-360-500	90	260	360	53.5	500
GL260-70L	GL260-170-700	90	260	170	53.5	700

WEIGHT: 4869.0 lbmass

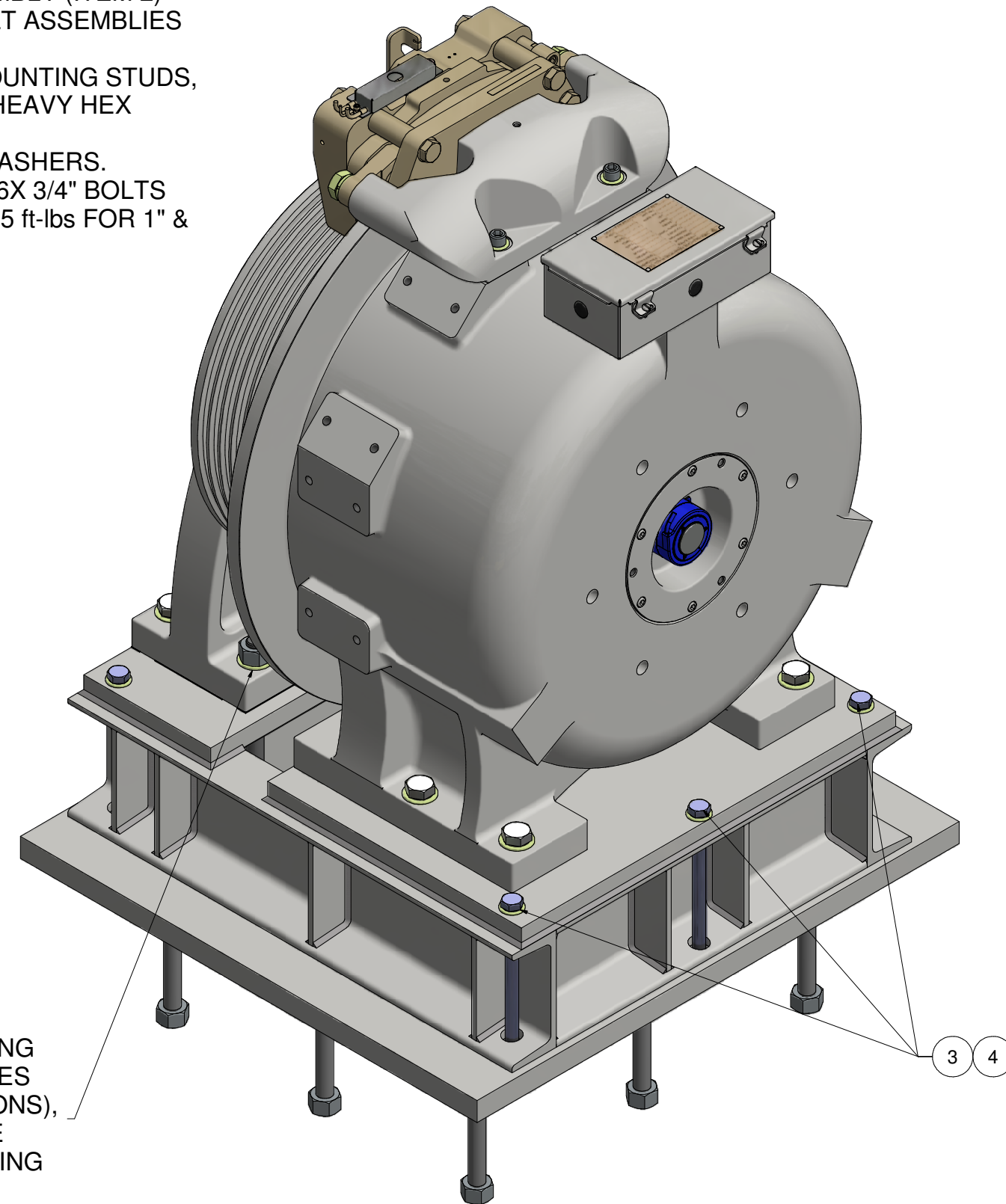
HOLLISTER-WHITNEY ELEVATOR CORP.			
TITLE GEARLES MACHINE, 4000# MAX CAP, 1:1 ROPED			
DRAWN BY	SCALE	MATERIAL	DIMENSIONAL TOL.
B	LTL	NA	1 PLACE ± 0.01 2 PLACE ± 0.005 3 PLACE ± 0.001 REF. OPEN (NOMINAL) ± 0.0150
ADD A STAND & BRAKE SHIMS. PUR #842	LTL	11/4/14	DATE
PRODUCTION RELEASE. PUR #632	LTL	2/12/14	2/12/2014
SHEET SIZE			DATE
D			2/12/2014
GL260-BS			SHEET 1 OF 3

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL260-BS	GEARLES MACHINE, 4000# MAX CAP, 1:1 ROPED	4859.88 lbmass
2	1	GL260BS-156	FOUNDATION PLATE ASSEMBLY - GL260 BASEMENT SET	619.20 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.49 lbmass
4	6	3/4 WASHER	SAE WASHER	0.04 lbmass

- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) 3/4" SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



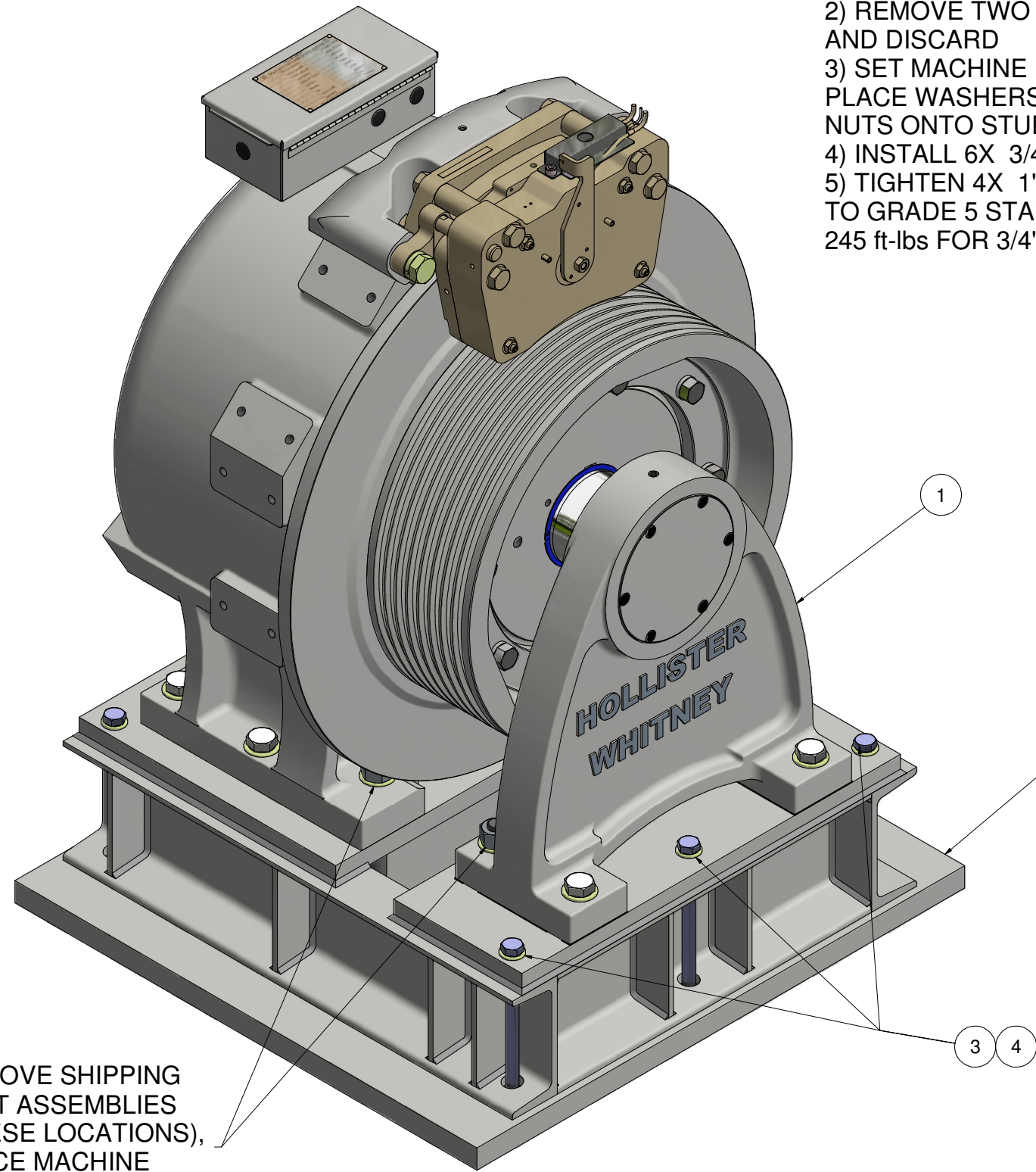
REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



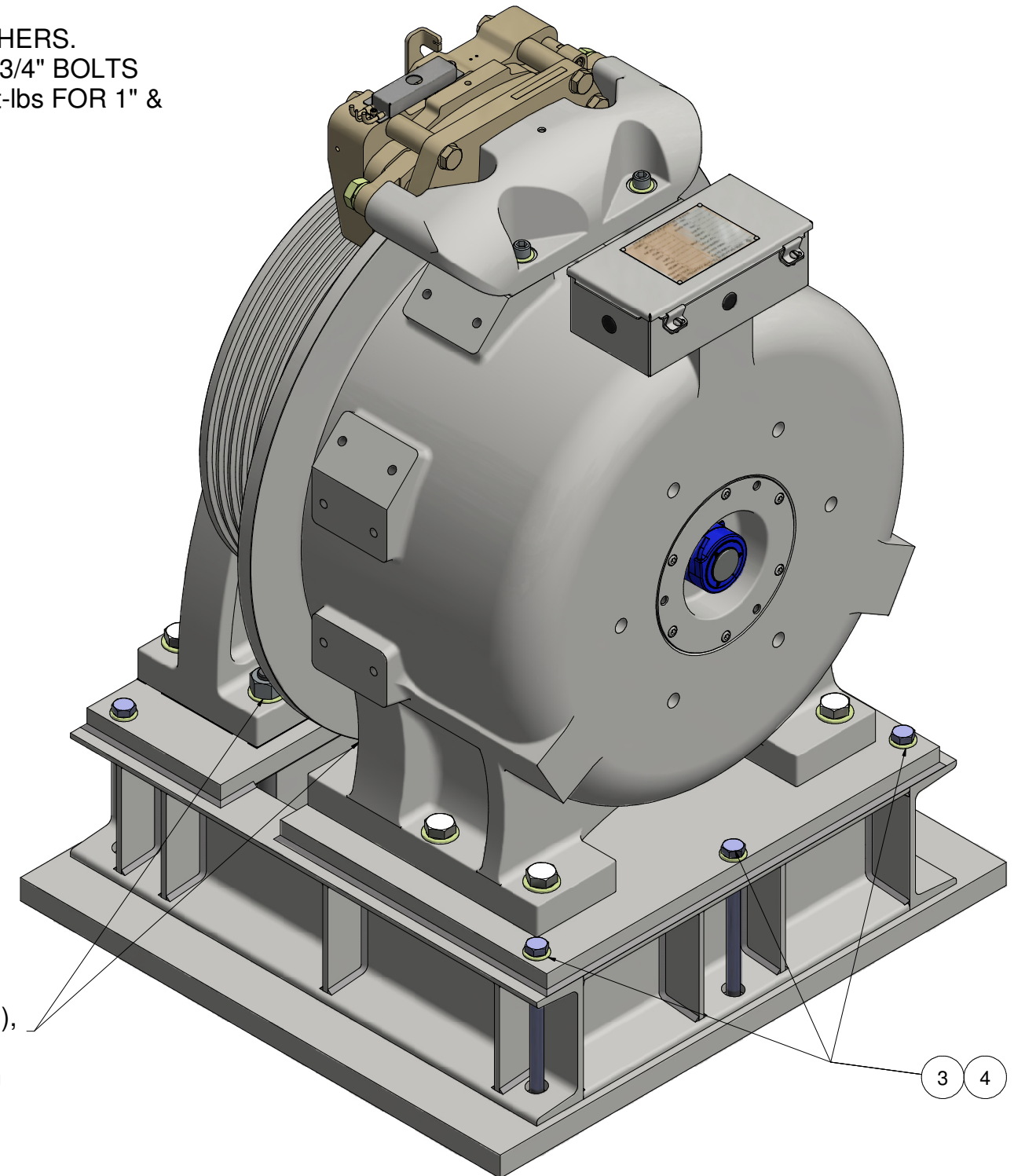
REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS
1	1	GL260-BS	GEARLES MACHINE, 4000# MAX CAP, 1:1 ROPED	4859.88 lbmass
2	1	GL260BS-156A	FOUNDATION PLATE ASSEMBLY - GL260 BASEMENT SET	593.37 lbmass
3	6	3/4-10 X 10.75"	GRADE 5 MINIMUM HEX HEAD BOLT	1.49 lbmass
4	6	3/4 WASHER	SAE WASHER	0.04 lbmass

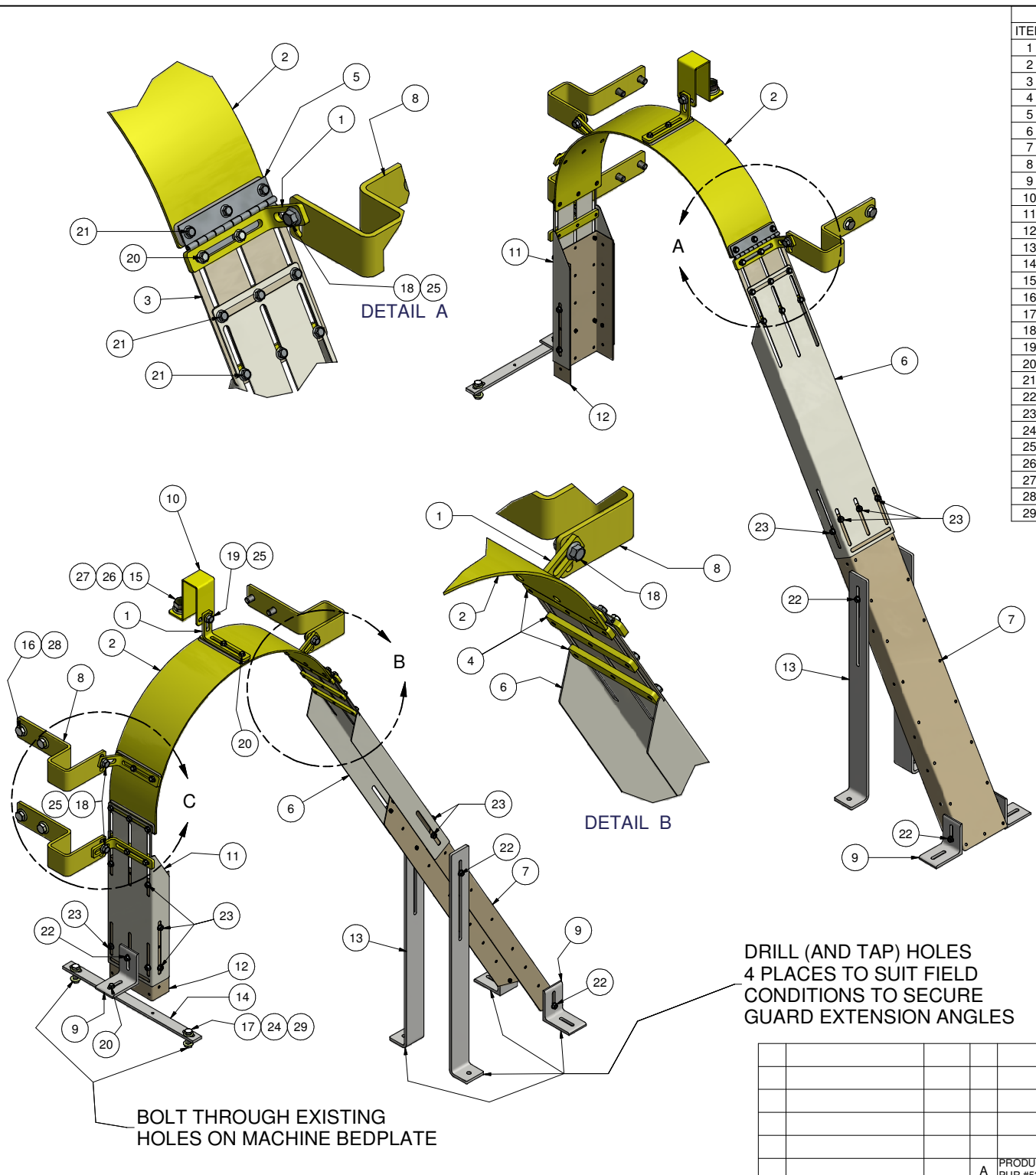
- 1) INSTALL FOUNDATION PLATE ASSEMBLY (ITEM 2)
- 2) REMOVE TWO (2) 3/4" SHIPPING BOLT ASSEMBLIES AND DISCARD
- 3) SET MACHINE IN PLACE OVER 1" MOUNTING STUDS, PLACE WASHERS AND HAND-SNUG 4 HEAVY HEX NUTS ONTO STUDS
- 4) INSTALL 6X 3/4" GR.5 BOLTS AND WASHERS.
- 5) TIGHTEN 4X 1" HEAVY HEX NUTS & 6X 3/4" BOLTS TO GRADE 5 STANDARDS (APPROX. 575 ft-lbs FOR 1" & 245 ft-lbs FOR 3/4")



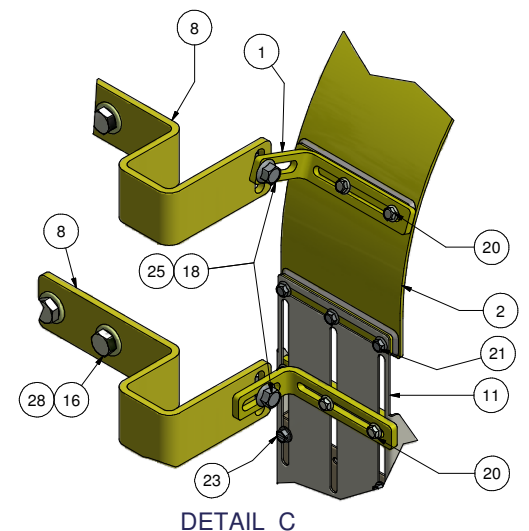
REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



REMOVE SHIPPING BOLT ASSEMBLIES (THESE LOCATIONS), PLACE MACHINE OVER 1" MOUNTING STUDS



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	GL171-160	GUARD BRACKET
2	1	GL171-161	GUARD ASSEMBLY - AC GEARLESS 20" TW
3	1	GL171-164	GUARD BRACKET
4	4	GL171-165	GUARD BRACKET
5	1	GL171-166	HINGE - GUARD
6	1	GL171-167	TOP EXTENSION
7	1	GL171-168	GUARD EXTENSION - LONG
8	3	GL171-169	HOUSING TO GUARD BRACKET - HEAVY
9	3	GL171-170	FLOOR TO GUARD BRACKET
10	1	GL171-171	HOUSING TO GUARD BRACKET - CENTER
11	1	GL171-172	TOP EXTENSION - SHORT
12	1	GL171-173	GUARD EXTENSION - SHORT
13	2	GL185-174	BASE BRACKET - T.S. GUARD
14	1	GL171-175	GUARD TO BASE BRACKET
15	1	3/4 - 10 UNC x 1.0	HEX HEAD CAP SCREW
16	6	1/2 - 13 UNC x 1.0	HEX HEAD CAP SCREW
17	2	3/8 - 16 UNC x 1.25"	HEX HEAD CAP SCREW
18	3	3/8 - 16 UNC x 0.75"	WHIZ BOLT
19	1	3/8 - 16 UNC x 0.625"	WHIZ BOLT
20	9	1/4 - 20 UNC x 0.625"	WHIZ BOLT
21	14	1/4 - 20 UNC x 0.375"	WHIZ BOLT
22	5	1/4 - 20 UNC x 0.5"	HEX WASHER THREAD FORMING - TYPE F
23	12	1/4 - 20 UNC x 0.375"	HEX WASHER THREAD FORMING - TYPE F
24	2	3/8-16 UNC	HEX NUT - JAM
25	4	3/8 UNC	WHIZ NUT
26	1	3/4 WASHER	SAE WASHER
27	1	3/4" WASHER	STANDARD LOCK WASHER
28	6	1/2" WASHER	STANDARD WASHER
29	4	3/8" WASHER	STANDARD WASHER



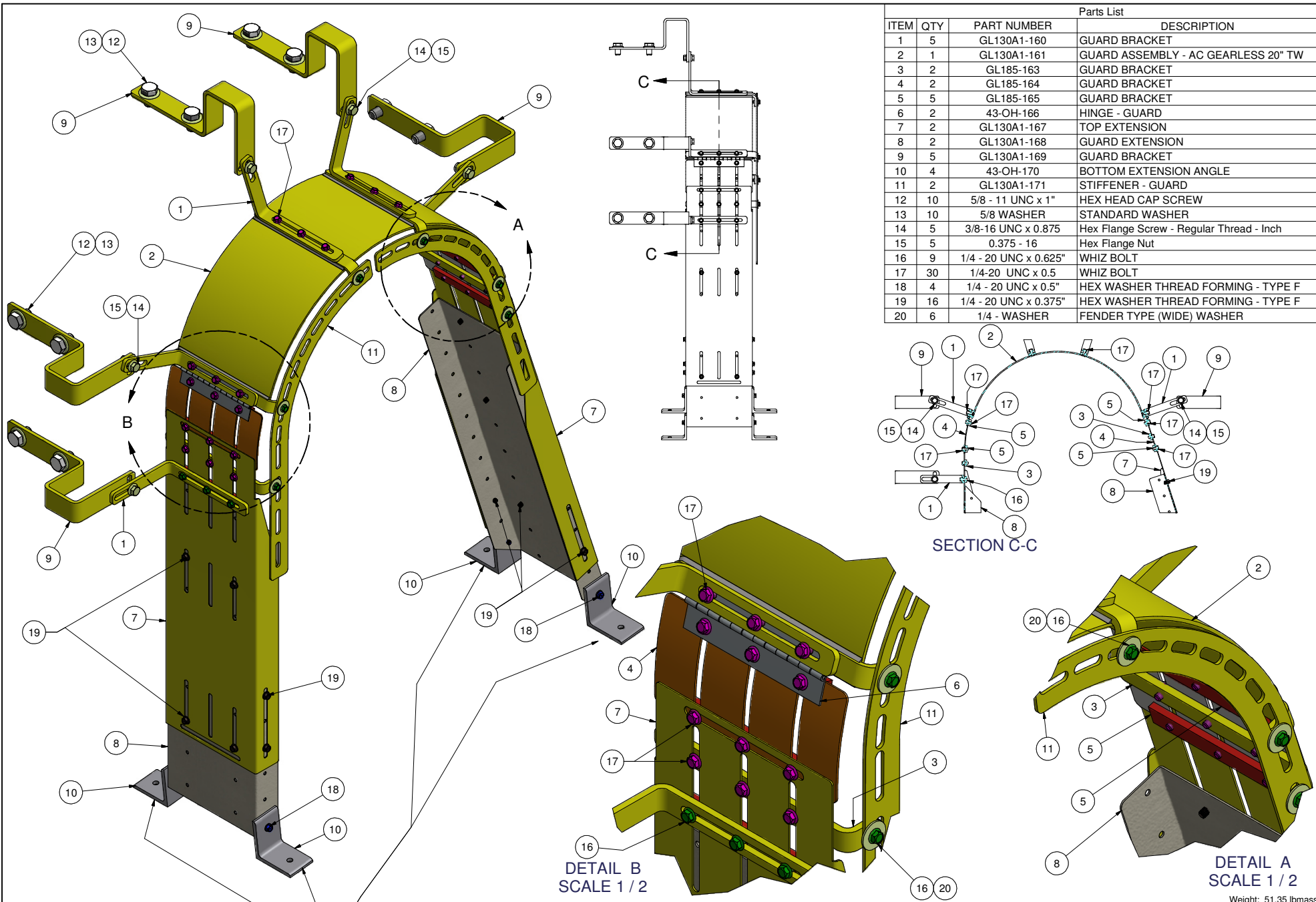
DETAIL C

DRILL (AND TAP) HOLES
4 PLACES TO SUIT FIELD
CONDITIONS TO SECURE
GUARD EXTENSION ANGLES

BOLT THROUGH EXISTING
HOLES ON MACHINE BEDPLATE

Weight: 37.97 lbmass

HOLLISTER-WHITNEY			
ELEVATOR CO.			
TITLE GUARD - GL171 GEARLESS MACHINE, 20" T.W.			
DRAWN BY	SCALE	MATERIAL	DIMENSIONAL TOL.
LTL	NA	SEE PARTS LIST	1 PLACE ±0.01; 2 PLACE ±0.005; 3 & 4 PLACE ±0.001; ANGLES ±0.1 REF., OPEN, (NOMINAL) ± 0.0156
SHEET	DATE	A PRODUCTION RELEASE, PUR #539	
SIZE	10/30/2012	LTL	GL171-176



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	GL130A1-160	GUARD BRACKET
2	1	GL130A1-161	GUARD ASSEMBLY - AC GEARLESS 20" TW
3	2	GL185-163	GUARD BRACKET
4	2	GL185-164	GUARD BRACKET
5	5	GL185-165	GUARD BRACKET
6	2	43-OH-166	HINGE - GUARD
7	2	GL130A1-167	TOP EXTENSION
8	2	GL130A1-168	GUARD EXTENSION
9	5	GL130A1-169	GUARD BRACKET
10	4	43-OH-170	BOTTOM EXTENSION ANGLE
11	2	GL130A1-171	STIFFENER - GUARD
12	10	5/8 - 11 UNC x 1"	HEX HEAD CAP SCREW
13	10	5/8 WASHER	STANDARD WASHER
14	5	3/8-16 UNC x 0.875	Hex Flange Screw - Regular Thread - Inch
15	5	0.375 - 16	Hex Flange Nut
16	9	1/4 - 20 UNC x 0.625"	WHIZ BOLT
17	30	1/4-20 UNC x 0.5	WHIZ BOLT
18	4	1/4 - 20 UNC x 0.5"	HEX WASHER THREAD FORMING - TYPE F
19	16	1/4 - 20 UNC x 0.375"	HEX WASHER THREAD FORMING - TYPE F
20	6	1/4 - WASHER	FENDER TYPE (WIDE) WASHER

DRILL (AND TAP) HOLES
4 PLACES TO SUIT FIELD
CONDITIONS TO SECURE
GUARD EXTENSION ANGLES

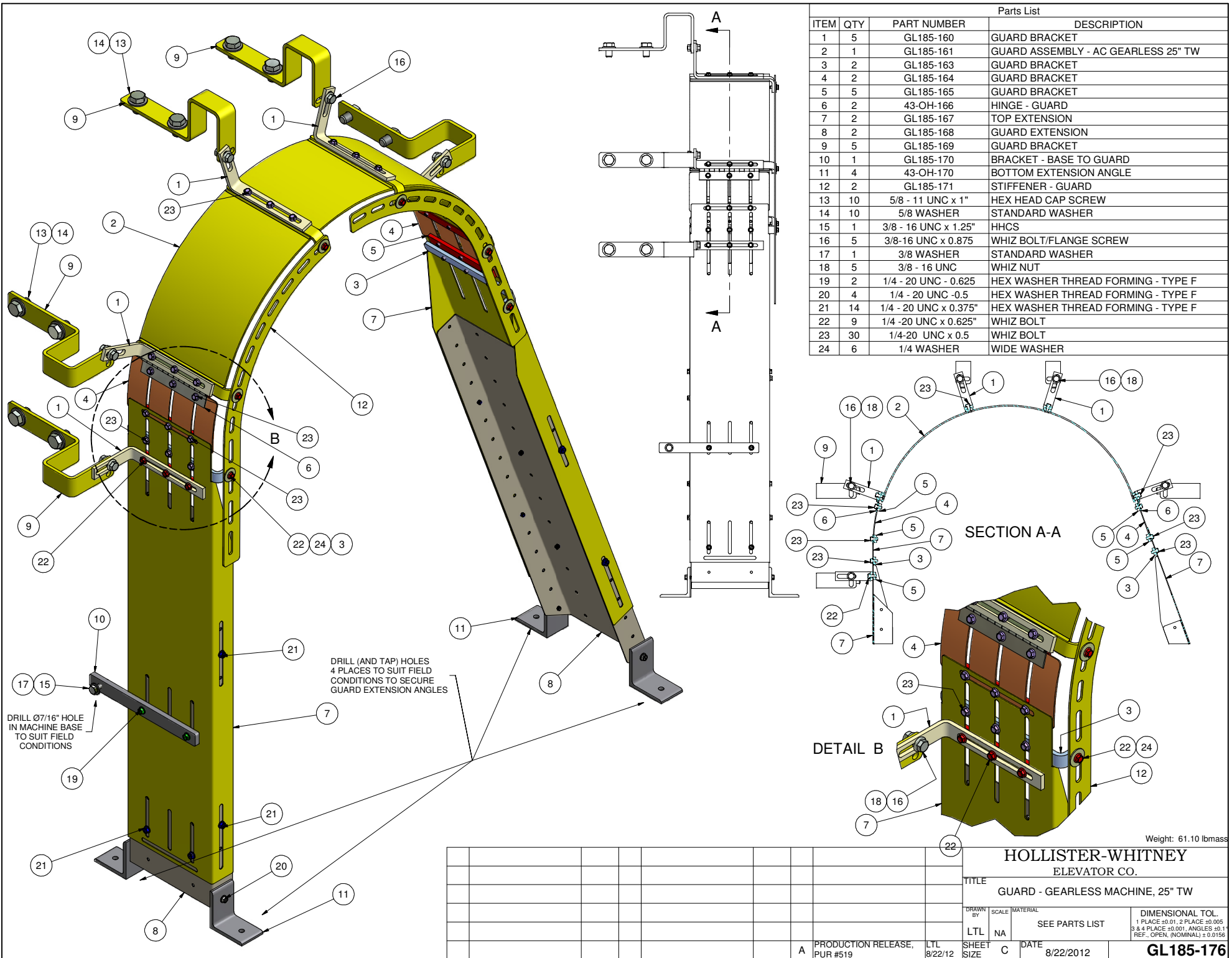
DETAIL B
SCALE 1 / 2

SECTION C-C

DETAIL A
SCALE 1 / 2

Weight: 51.35 lbmass

				HOLLISTER-WHITNEY			
				ELEVATOR CO.			
				TITLE GUARD - GEARLESS MACHINE, 20" TW			
		DRAWN BY		SCALE		MATERIAL	
		LTL		NA		SEE PARTS LIST	
		SHEET SIZE		DATE		DIMENSIONAL TOL. 1 PLACE ±0.01; 2 PLACE ±0.005; 3 & 4 PLACE ±0.001; ANGLES ±0.1° REF., OPEN, (NOMINAL) ± 0.0156	
A		PRODUCTION RELEASE, PUR #599		LTL 5/23/13		C 5/21/2013	
GL130A1-176							



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	5	GL185-160	GUARD BRACKET
2	1	GL185-161	GUARD ASSEMBLY - AC GEARLESS 25" TW
3	2	GL185-163	GUARD BRACKET
4	2	GL185-164	GUARD BRACKET
5	5	GL185-165	GUARD BRACKET
6	2	43-OH-166	HINGE - GUARD
7	2	GL185-167	TOP EXTENSION
8	2	GL185-168	GUARD EXTENSION
9	5	GL185-169	GUARD BRACKET
10	1	GL185-170	BRACKET - BASE TO GUARD
11	4	43-OH-170	BOTTOM EXTENSION ANGLE
12	2	GL185-171	STIFFENER - GUARD
13	10	5/8 - 11 UNC x 1"	HEX HEAD CAP SCREW
14	10	5/8 WASHER	STANDARD WASHER
15	1	3/8 - 16 UNC x 1.25"	HHCS
16	5	3/8-16 UNC x 0.875	WHIZ BOLT/FLANGE SCREW
17	1	3/8 WASHER	STANDARD WASHER
18	5	3/8 - 16 UNC	WHIZ NUT
19	2	1/4 - 20 UNC - 0.625	HEX WASHER THREAD FORMING - TYPE F
20	4	1/4 - 20 UNC -0.5	HEX WASHER THREAD FORMING - TYPE F
21	14	1/4 - 20 UNC x 0.375"	HEX WASHER THREAD FORMING - TYPE F
22	9	1/4 - 20 UNC x 0.625"	WHIZ BOLT
23	30	1/4-20 UNC x 0.5	WHIZ BOLT
24	6	1/4 WASHER	WIDE WASHER

Weight: 61.10 lbmass

**HOLLISTER-WHITNEY
ELEVATOR CO.**

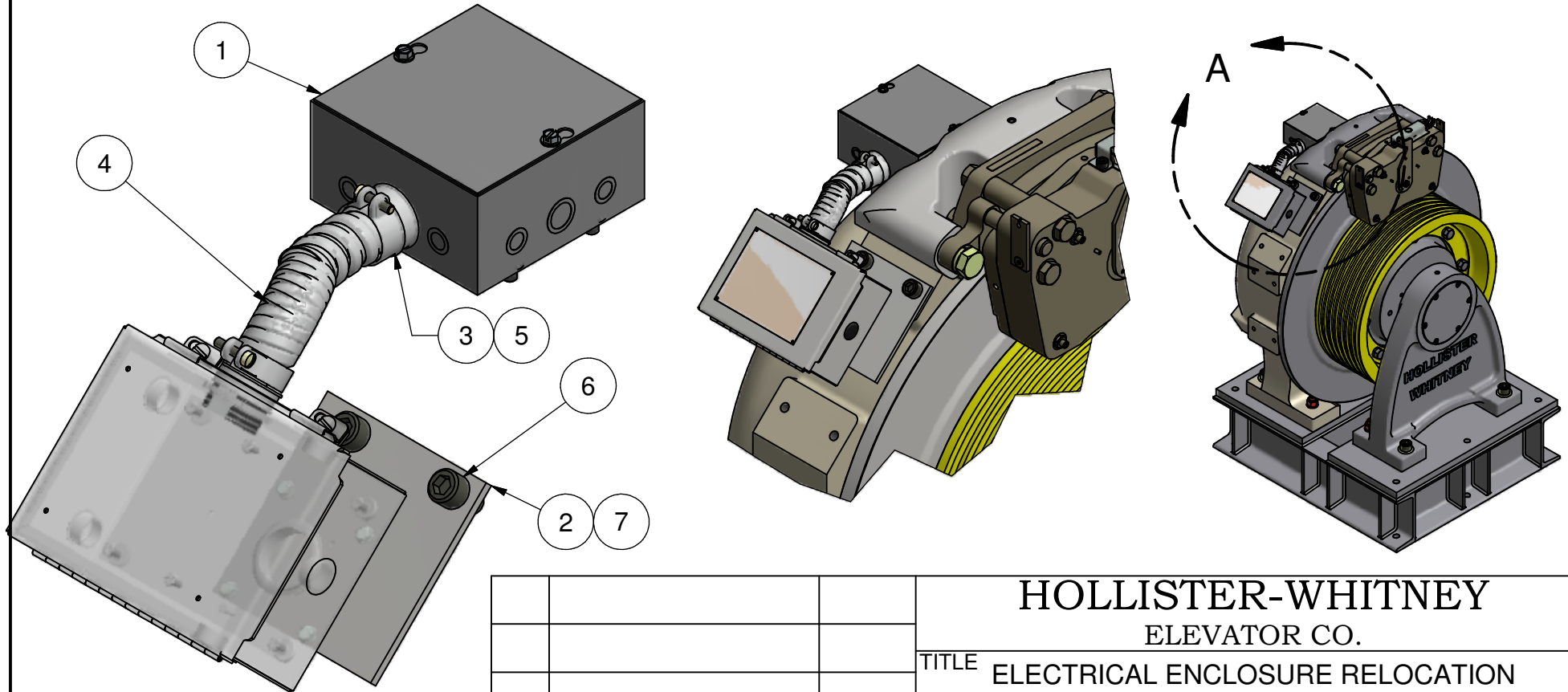
TITLE
GUARD - GEARLESS MACHINE, 25" TW

DRAWN BY: LTL
SCALE: NA
MATERIAL: SEE PARTS LIST

DIMENSIONAL TOL.
1 PLACE ±0.01; 2 PLACE ±0.005
3 & 4 PLACE ±0.001; ANGLES ±0.1
REF., OPEN, (NOMINAL) ± 0.0156

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	GL130A-159-11	663 SC - COOPER B-LINE BOX - MODIFIED
2	1	GL130A-159-12	MOUNTING PLATE
3	2	GL100-159-13	1-1/4 STRAIGHT BOX CONNECTOR (FLEXCON) - REF P/N BRID412DC2
4	1	GL100-159-14	1-1/4 FLEX CONDUIT - REF. P/N GRF A114
5	1	GL100-159-15	1-1/4 ANTI SHORT BUSHING (NOT SHOWN) REF. P/N TBCO #425
6	2	5/8-11 UNC x 1	SOCKET HEAD CAP SCREW
7	4	1/4-20 UNC x 0.5	WHIZ BOLT



				HOLLISTER-WHITNEY			
				ELEVATOR CO.			
				TITLE ELECTRICAL ENCLOSURE RELOCATION KIT - LARGE FRAME ACGL			
		DRAWN BY		SCALE		MATERIAL	
		LTL		NA		SEE PARTS LIST	
		DIMENSIONAL TOL.					
		1 PLACE ± 0.01		2 PLACE ± 0.005		3&4 PLACE ± 0.001, ANGLES ± 0.1°	
		REF., OPEN, (NOMINAL) ± 0.0156					
		A		PRODUCTION RELEASE, PUR #606		LTL 7/15/13	
		SHEET SIZE		A		DATE 7/15/2013	
						GL130ARK-159	

