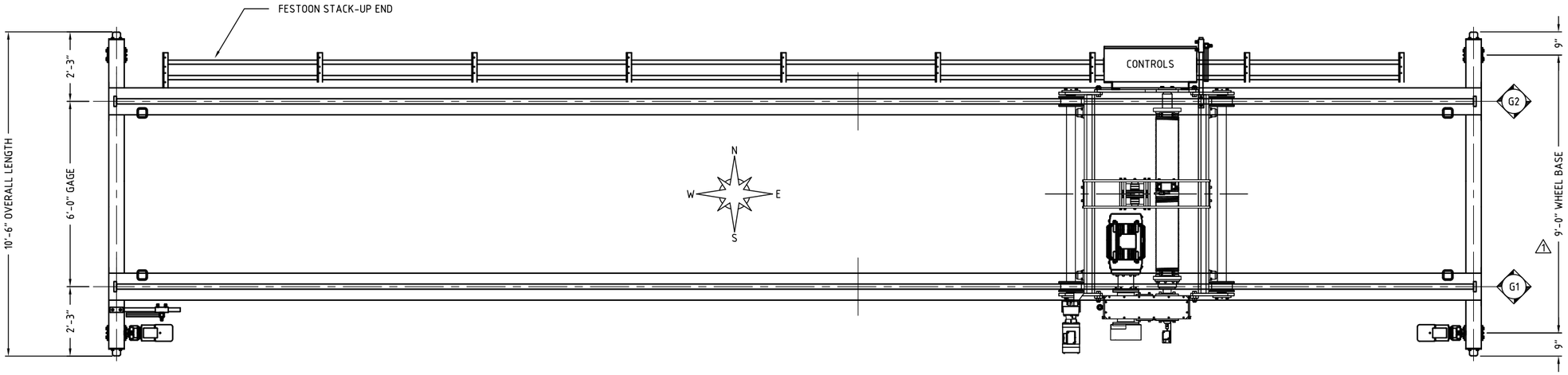


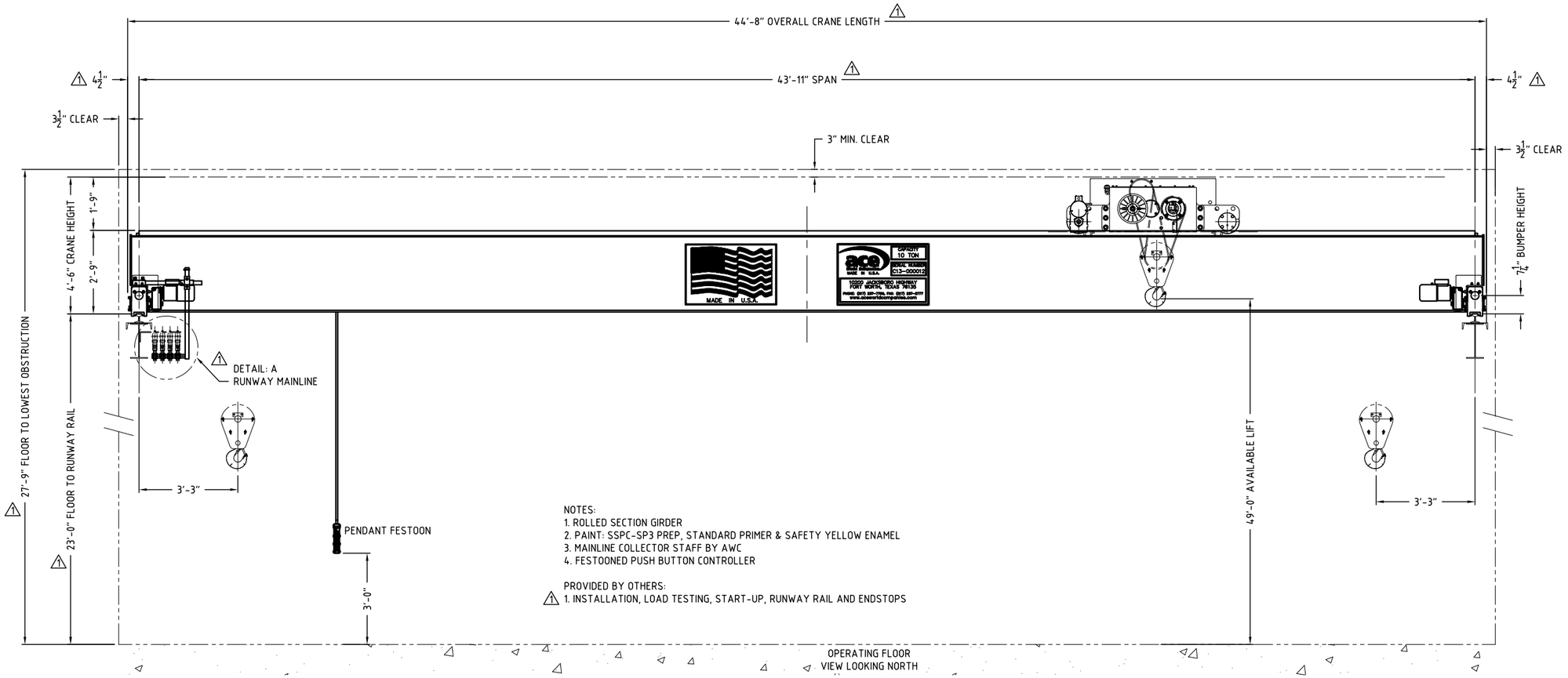
10200 JACKSBORO HWY.,FORT WORTH,TEXAS 76135
PH: (817) 237-7700 FAX: (817) 237-2777

WEBSITE: WWW.ACEWORLDCOMPANIES.COM
REGISTERED ISO 9001 COMPANY

Specification Drawing



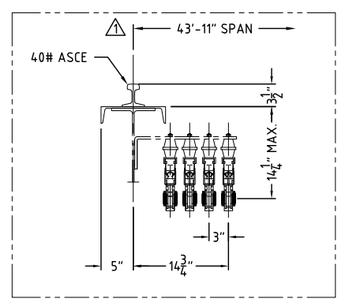
GENERAL	
CMAA CLASS:	"D" INDOOR
⚠1 BRIDGE WEIGHT:	14,000 LBS
TROLLEY WEIGHT:	4,250 LBS
⚠1 TOTAL WEIGHT:	18,250 LBS
⚠1 MAX. WHEEL LOAD (NO IMPACT)	14,750 LBS
MAX. AMBIENT TEMP.	40–104° F
INCOMING POWER:	460–3–60
CONTROLS:	110–1–60
BRIDGE	
SPEED:	120 FPM; 2 @ 1.5 HP
DRIVE TYPE:	A–4 SHAFT MOUNT
WHEEL DIA:	8" (4 WHEELS)
RAIL SIZE:	ASCE 40#
HOIST MAIN	
CAPACITY:	10 TONS
LIFT:	49'–0" AVAILABLE
SPEED:	21 FPM; 1 @ 15 HP
REEVING:	3 P.D.
WIRE ROPE:	10mm
TROLLEY	
SPEED:	80 FPM; 1 @ 1 HP
DRIVE TYPE:	A–4 SHAFT MOUNT
WHEEL DIA.:	8" (4 WHEELS)



NOTES:
1. ROLLED SECTION GIRDER
2. PAINT: SSPC-SP3 PREP, STANDARD PRIMER & SAFETY YELLOW ENAMEL
3. MAINLINE COLLECTOR STAFF BY AWC
4. FESTOONED PUSH BUTTON CONTROLLER

PROVIDED BY OTHERS:
⚠1 1. INSTALLATION, LOAD TESTING, START-UP, RUNWAY RAIL AND ENDSTOPS

APPROVED _____
NOT APPROVED _____
APPROVED AS NOTED _____
BY: _____
DATE: _____



DETAIL: A
RUNWAY ELECTRIFICATION DATA (110 AMP)
⚠2 PROVIDED BY AWC, INSTALLED BY OTHERS
SCALE: 2X

BAY 4-6 : L10 INSPECTION

CUSTOMER:	PO NUMBER:	CONTACT:
ATI TITANIUM	304416	JEFF BURCH

POSTED SPEEDS: +/- 10%

TOLERANCES
UNLESS OTHERWISE SPECIFIED

METRIC	ENGLISH
.X ±.5mm	.X ±.05
.XX ±.10mm	.XX ±.015
.XXX ±.01mm	.XXX ±.005
	.XXXX ±.0005

ANGULAR ± 0° 30'
LINEAR FRACTIONAL ± 1/16"
HOLES FRACTIONAL ± 1/32"
HEAT TREATMENT Rockwell ±4 Brinell ±5
REVISION No. 1 9/16/99

REV.	DATE	DESCRIPTION
2	06/24/2013	ADD MAINLINE DETAILS (CMP)
1	06/19/2013	REV PER CUST. NOTES (CMP)

THIS DWG IS PROPERTY OF ACE WORLD COMPANIES (AWC) AND CONTAINS PROPRIETARY INFORMATION WHICH MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM AWC.

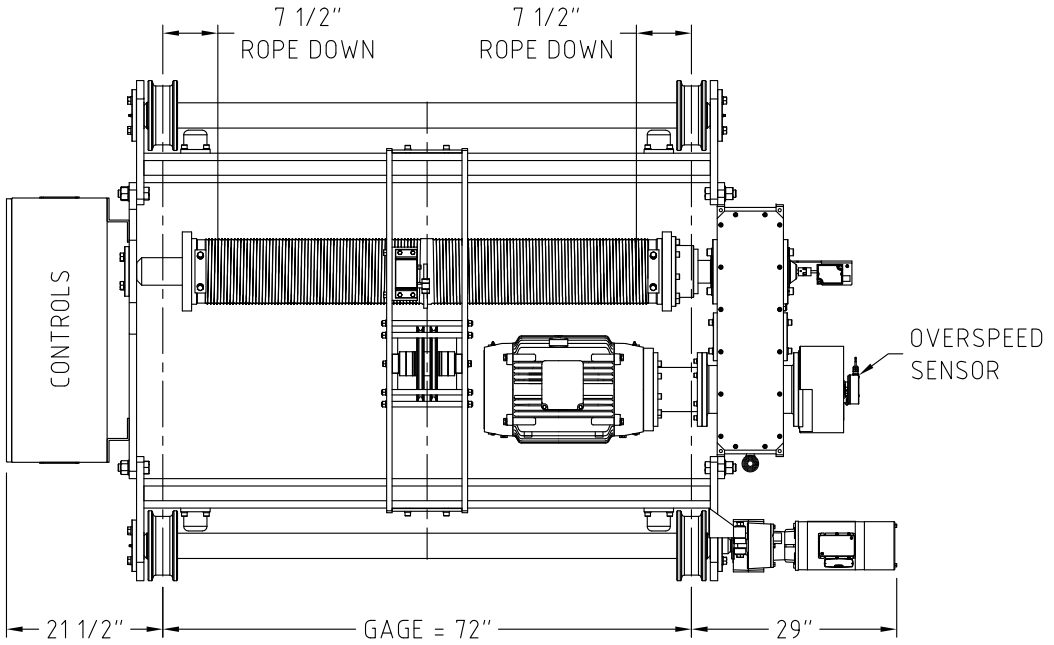
ace World Companies
10200 JACKSBORO HWY.
FORT WORTH, TX 76135
PHONE 817.237.7700
FAX 817.237.2777

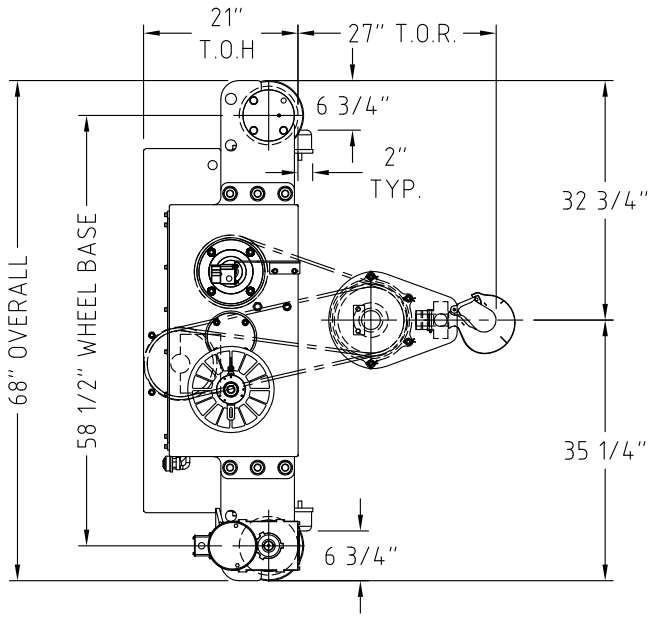
DRAWN BY:	CHECKED BY:	APPROVED BY:	SCALE:	DATE:
CMP	BYP	SY	NTS	05/21/2013

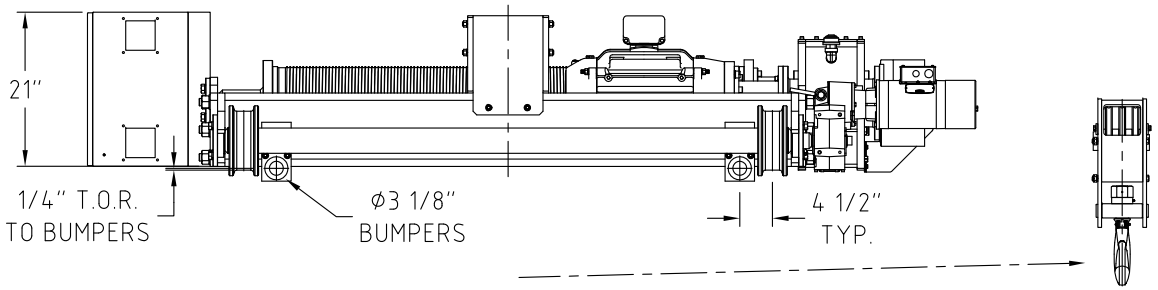
DRAWING TITLE
10 TON CRANE GENERAL ARRANGEMENT
ONE (1) 10 TON HOIST, 43'-11" SPAN

JOB NO.	SHEET	REV:
C13-000012	1 OF 1	2

PART NO.
C13-0012-000







GENERAL		MAIN HOIST	TROLLEY
CAPACITY: 10 TONS	CMAA CLASS: "D"	LIFT: 49'–0" AVAILABLE	SPEED: 80 FPM
IN/OUTDOOR: INDOOR	MODEL NO.: T30HP2	SPEED 21 FPM	WHEEL DIA.: 8 IN.
GIRDER TOP FLANGE WIDTH:		CABLE DIA.: 10mm COMPACT 6	NO. OF WHEELS: 4
NET WEIGHT: 4,250 LBS		REEVING: 3 P.D.	RAIL SIZE: 30#–60#
POWER: 460/3/60	CONTROL: 110/1/60		MAX. WHEEL LOAD W/O IMPACT: 6,596 LBS.

REV.	DATE	DESCRIPTION

THIS DWG IS PROPERTY OF ACE WORLD COMPANIES (AWC) AND CONTAINS PROPRIETARY INFORMATION WHICH MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM AWC.

ace World Companies
TERMINATOR HOIST
www.aceworldcompanies.com
10200 JACKSBORO HWY.
FORT WORTH, TX 76135
PHONE 817.237.7700
FAX 817.237.2777
ACEWORLDCOMPANIES.COM

DRAWING TITLE
10 TON TRDG TROLLEY
HOIST GENERAL LAYOUT

DRAWN BY:	CHECKED BY:	APP BY:
CMP		

SCALE:	DATE:
NTS	05/23/2013

JOB NO.	SHEET:	REV:
	1 OF 1	0

PART NO.
T-010-TR-049-I-021-I-080-3

Single Level Current BOM Report

9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
T-010-TR-049-I-021-I-080-3	TRM,10TON,T30,49'L,6'G,21fpm,15HP							
BKT-LMT-TRM	BKT,Kit,Mounting,T30 Limit Switch	Material	1.00000	EA	Unit			
BKT-RED-TRM	BKT,Reducer,T30,PS052-82,Bolt On	Material	1.00000	EA	Unit			
BMP-STD-80	BMP,Wampfler,17120,Size 80	Material	4.00000	EA	Unit			
BRG-BAL-0006	BRG,Ball,6213-2RS C3,Double Seal	Material	2.00000	EA	Unit			
BRG-SPH-0005	BRG,Spherical,BS2-2210-2CS,21700 Lb	Material	1.00000	EA	Unit			
BRG-SPH-0006	BRG,Spherical,22211E C3,30100 Lb	Material	2.00000	EA	Unit			
BRG-SPH-0006	BRG,Spherical,22211E C3,30100 Lb	Material	2.00000	EA	Unit			
BRG-WHL-0001	BRG,Adapter,Wheel,SKF,SHL 3-7/16"	Material	2.00000	EA	Unit			
BRG-WHL-0001	BRG,Adapter,Wheel,SKF,SHL 3-7/16"	Material	2.00000	EA	Unit			
BRK-MID-8725-01	BRK,Electro-Shear,130 Ft-Lb,1-3/8",STD	Material	1.00000	EA	Unit			
BSH-JOY-0001	BSH,Spider,Lovejoy Coupling,SRL-050	Material	1.00000	EA	Unit			
BSH-RED-0002	BSH,Reducer Bracket,PS052-82,FA37-67	Material	2.00000	EA	Unit			
CPL-JOY-0002	CPL,Lovejoy,ML050,2-Jaw	Material	1.00000	EA	Unit			
CPL-JOY-0004	CPL,Lovejoy,ML050,Half,2-Jaw	Material	1.00000	EA	Unit			

Single Level Current BOM Report

9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
CPL-ROT-0001	CPL,Rotex,42,Half,1.625",98 Shore	Material	1.00000	EA	Unit			
CPL-ROT-0003	CPL,Spider,Rotex 42,"A" 98 Shore	Material	1.00000	EA	Unit			
DRM-09-067	DRM,Assy,9.0"PD,3/8"WR,6',LH	Material	1.00000	EA	Unit			
DRM-CLMP-TRM	DRM,Clamp,Wire Rope,3/8"	Material	2.00000	EA	Unit			
DRV-08-080	DRV,Nord,41.07:1,1HP-1800,M1,30MM	Material	1.00000	EA	Unit			
GBX-97-01-065	GBX,Reducer,T30HP2,65.1:1,DILO,No Cam	Material	1.00000	EA	Unit			
GBX-ADPT-0001	GBX,Adaptor,Motor,254/256TC,T30HP2 Red	Material	1.00000	EA	Unit			
GBX-HDW-0005	GBX,Fitting,Grease,1/8-NPT,Straight	Material	0.00000	EA	Unit			
GBX-HDW-0005	GBX,Fitting,Grease,1/8-NPT,Straight	Material	0.00000	EA	Unit			
HDW-BOLT-0001	HDW,Bolt,HH,1/2"-13x1-1/2",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0021	HDW,Bolt,HH,5/16"-18x3/4",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0022	HDW,Bolt,HH,5/8"-11x1-1/2",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0038	HDW,Bolt,HH,1/2"-13x2",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0039	HDW,Bolt,HH,1/2"-13x2-1/4",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0041	HDW,Bolt,HH,1/2"-13x4",Gr 5	Material	0.00000	EA	Unit			

Single Level Current BOM Report



9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
HDW-BOLT-0042	HDW,Bolt,HH,5/8"-11x1-1/4",Gr 5	Material	0.00000	EA	Unit			
HDW-BOLT-0042	HDW,Bolt,HH,5/8"-11x1-1/4",Gr 5	Material	0.00000	EA	Unit			
HDW-CLIP-0001	HDW,Clips,Wire Cable,1/8"	Material	2.00000	EA	Unit			
HDW-CLMP-0005	HDW,Clamp,Collar,1.625" Shaft	Material	1.00000	EA	Unit			
HDW-NUT-0004	HDW,Nut,HH,1/2"-13	Material	0.00000	EA	Unit			
HDW-SCRW-0009	HDW,Screw,SHCS,1/2"-13x1-1/4",Gr 5	Material	0.00000	EA	Unit			
HDW-SCRW-0014	HDW,Screw,RHS,12-24x2",Gr 5	Material	0.00000	EA	Unit			
HDW-SNAP-0001	HDW,Snap Ring,External,SH-255	Material	2.00000	EA	Unit			
HDW-SNAP-0004	HDW,Snap Ring,External,SH-118,1.181"	Material	0.00000	EA	Unit			
HDW-SNAP-0007	HDW,Snap Ring,External,SH-196,1.969"	Material	0.00000	EA	Unit			
HDW-SNAP-0010	HDW,Snap Ring,External,SH-343	Material	2.00000	EA	Unit			
HDW-SNAP-0010	HDW,Snap Ring,External,SH-343	Material	2.00000	EA	Unit			
HDW-SNAP-0015	HDW,Snap Ring,Internal,HO-354	Material	1.00000	EA	Unit			
HDW-WASH-0001	HDW,Washer,Flat,1/2",SAE	Material	0.00000	EA	Unit			
HDW-WASH-0002	HDW,Washer,Lock,1/2"	Material	0.00000	EA	Unit			

Single Level Current BOM Report

9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
HDW-WASH-0002	HDW,Washer,Lock,1/2"	Material	0.00000	EA	Unit			
HDW-WASH-0002	HDW,Washer,Lock,1/2"	Material	0.00000	EA	Unit			
HDW-WASH-0002	HDW,Washer,Lock,1/2"	Material	0.00000	EA	Unit			
HDW-WASH-0004	HDW,Washer,Lock,3/8"	Material	0.00000	EA	Unit			
HDW-WASH-0006	HDW,Washer,Lock,5/8"	Material	0.00000	EA	Unit			
HDW-WASH-0006	HDW,Washer,Lock,5/8"	Material	0.00000	EA	Unit			
HDW-WASH-0006	HDW,Washer,Lock,5/8"	Material	0.00000	EA	Unit			
HDW-WASH-0031	HDW,Washer,Lock,#12	Material	0.00000	EA	Unit			
HST-HDW-T30	HDW,Bolt Kit, Terminator	Material	1.00000	EA	Unit			
KEY-SQB-0017	KEY,8mm x6mm,3" Lg	Material	0.00000	EA	Unit			
LDB-ASSY-T30-0002	LDB,11T,3PD,10" Shv,3/8"WR,T30	Material	1.00000	EA	Unit			
LMT-ARM-0001	LMT,Arm,Fairway	Material	1.00000	EA	Unit			
LMT-CBL-0001	LMT,Cable,Wire,1/8",LMT,Fairway	Material	0.00000	IN	Unit			
LMT-STD-0001	LMT,Fairway,N1,Control Type	Material	1.00000	EA	Unit			
LMT-STD-0017	LMT,Gear,TER,75:1,3-Switch	Material	1.00000	EA	Unit			

Single Level Current BOM Report

9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
LMT-WGT-0001	LMT,Weight,Fairway	Material	1.00000	EA	Unit			
MTR-015HP-LSON	MTR,Leeson,15HP-1800,254TC,460V,TEFC	Material	1.00000	EA	Unit			
PIN-TSP-0001	PIN,Top Sheave,2/7 PD,65mm,9.44" Lg,T30	Material	1.00000	EA	Unit			
SGN-TRM-10	SGN,Capacity,T30,10 Ton	Material	2.00000	EA	Unit			
SHV-STD-10-0001	SHV,10",7/16"&3/8"WR,6213-2RS,T30	Material	2.00000	EA	Unit			
SPC-TSP-0001	SPC,Top Sheave Pin,0.9",T30	Material	5.00000	EA	Unit			
SPC-TSP-0002	SPC,Top Sheave Pin,0.3",T30	Material	4.00000	EA	Unit			
STR-97-072	STR,T30,5-25T,2-7 PD,72"G,RH	Material	1.00000	EA	Unit			
STR-TSP-10-25	STR,Pocket,Top Sheave,Weldmnt,T30,3-7 PD	Material	1.00000	EA	Unit			
TRK-AXL-T30-D-0001	AXL,Drive,22211,T30,6' GA	Material	1.00000	EA	Unit			
TRK-AXL-T30-I-0001	AXL,Idler,22211,T30,6' Gage	Material	1.00000	EA	Unit			
TRK-CAP-22210-O-0001	CAP,Open,BS-22210-2CS	Material	1.00000	EA	Unit			
TRK-CAP-22211-C-0000	CAP,Closed,22211,ET	Material	1.00000	EA	Unit			
TRK-CAP-22211-C-0000	CAP,Closed,22211,ET	Material	2.00000	EA	Unit			
TRK-CAP-22211-O-0000	CAP,Open,22211,ET	Material	1.00000	EA	Unit			

Single Level Current BOM Report

9/10/2013 12:28:15PM

Item/Components	Description	Type	Quantity Per	U/M	Per	Unit Cost / Extended Cost	Effectivity Dates From	To
TRK-HDW-0009	HDW,Fitting,Grease,1/8-NPT,90 Degree	Material	0.00000	EA	Unit			
TRK-SEL-0003	SEL,22211 BRG,CO-211	Material	2.00000	EA	Unit			
TRK-SEL-0003	SEL,22211 BRG,CO-211	Material	2.00000	EA	Unit			
TRK-WHL-08-I-0001	WHL,TRK,8",40#/2"Rail,325BHN,T30	Material	2.00000	EA	Unit			
TRK-WHL-08-I-0001	WHL,TRK,8",40#/2"Rail,325BHN,T30	Material	2.00000	EA	Unit			
TRM-GRD-KIT	TRM,Sheave Guard Kit, T30	Material	1.00000	EA	Unit			
WRP-STD-0008	WRP,10mm,Compact 6,Super 220	Material	340.00000	FT	Unit			
CPL-ROT-0006	CPL,Rotex 42,Half,1.375",98 Shore	Material	1.00000	EA	Unit			
CNT-WRC-200098-0000	CNT,Wire & Conduit,T30,T60, A40	Material	1.00000	EA	Unit			
LMT-ASSY-STD-SENSOR	LMT,Assy,Overspeed Sensor Switch	Material	1.00000	EA	Unit			
SPC-MTR-0004	SPC,Motor,254/256TC,T30HP2	Material	1.00000	EA	Unit			
GBX-ADPT-0005	MTR,Adaptor,C-Face,213/215TC	Material	1.00000	EA	Unit			