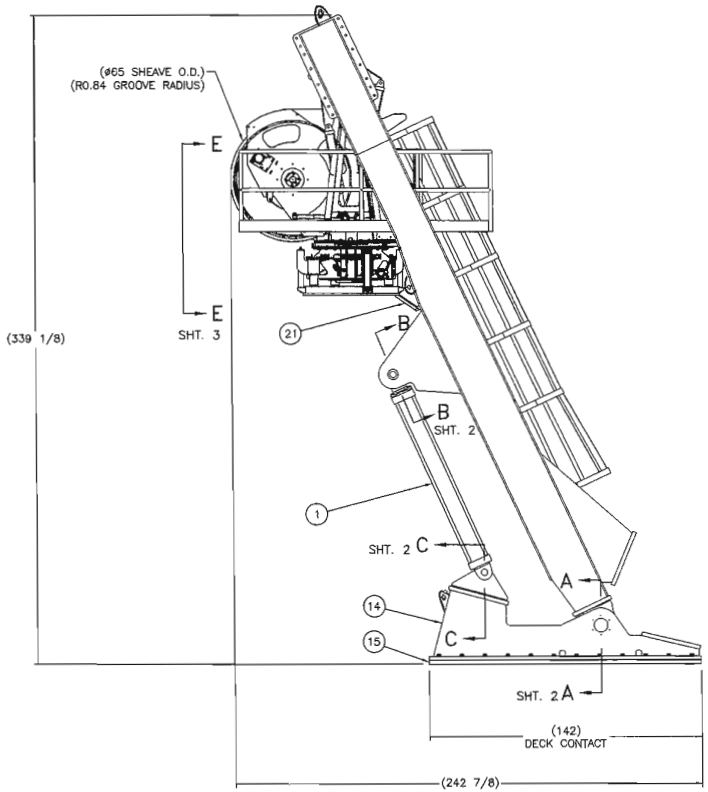
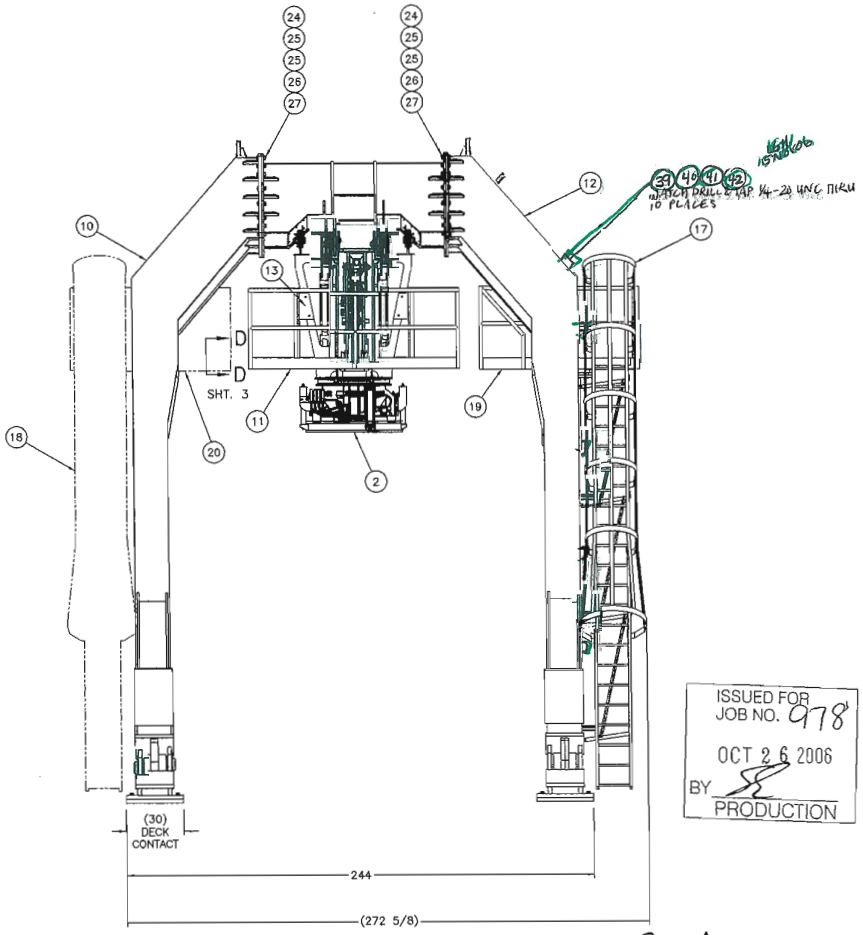
NOTES:
1. TWO UNITS REQUIRED FOR 0938, 1 RIGHT-HAND LADDER AND 1 LEFT-HAND LADDER, LEFT-HAND OPTION SHOWN.
2. TORQUE 1-8 UNC GR. 5 BOLTS TO 480 ft-lbs LUBED
3. TORQUE 3/4-10 UNC GR.5 BOLTS TO 200 ft-lbs LUBED
4. TORQUE 1/2-13 UNC S.S. 18-8 BOLTS TO 55 ft-lbs LUBED
5. PLACE TUBING CLAMPS (ITEM 39) ON LADDER SIDE. LGH 15 NOV 06



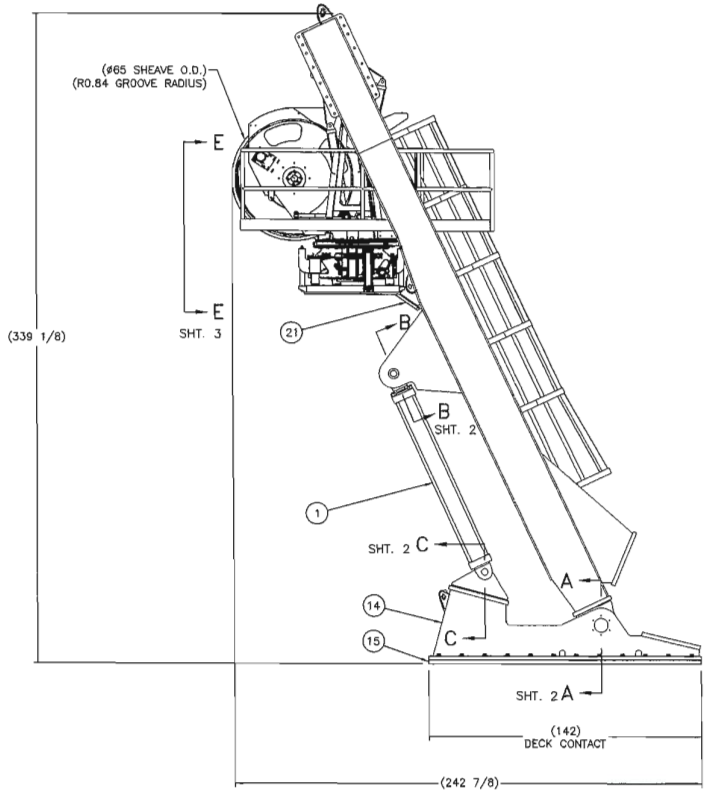


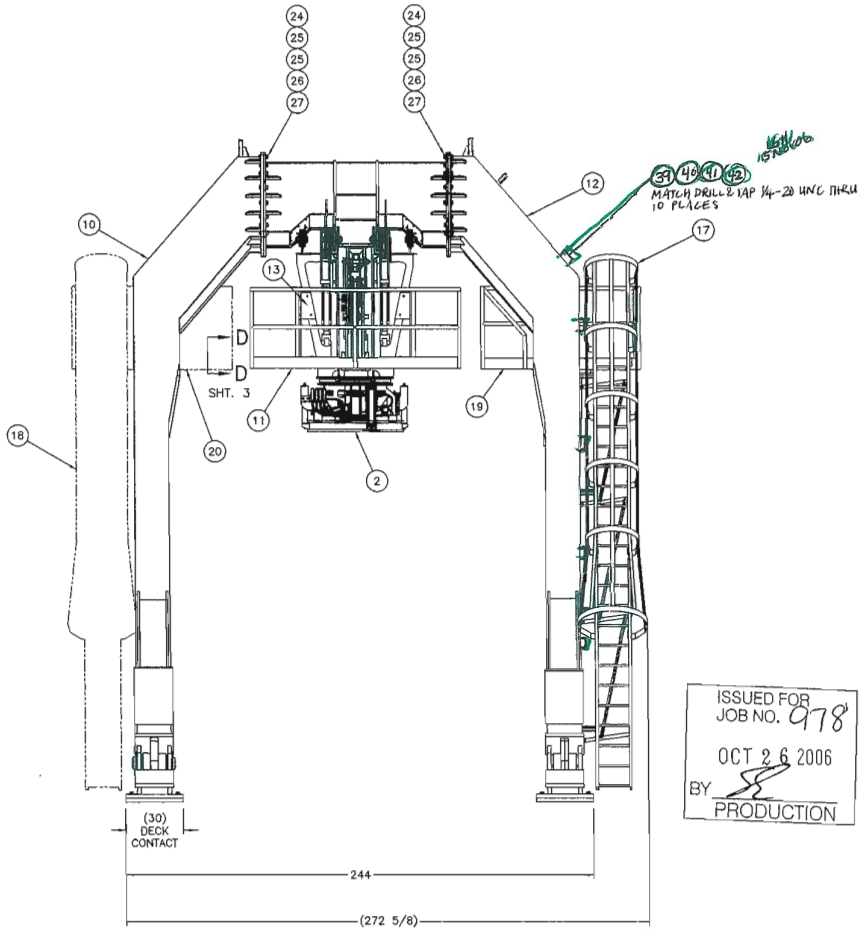
ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

978 SEQ 06 Oct 06

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ±.02 .XXX ±.005 ANGLES ±1/2°	CUSTOMER P.O. No.	DYNACON JOB No. 0938	THIS DRAWING IS THE PROPERTY OF DYNACON, INC. 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803
			APPROVALS	DATE	ANY REPRODUCTION OR USE OF THIS DESIGN IS EXPRESSLY FORBIDDEN UNLESS AUTHORIZED IN WRITING.
		REMOVE BURRS & BREAK SHARP EDGES.	DRAWN LGH	06APR06	A-FRAME GENERAL ASSEMBLY
		MATERIAL SEE PARTS LIST	DRAFTING CHECK LLD	02JUN06	
		SHEET 2	ENGINEERING CHECK WAK	05JUN06	
NEXT ASSEMBLY	QUANTITY	FINISH 125	ACTUAL WEIGHT, LBS 55,560	ENGINEERING APPROVAL	05
APPLICATION	1	DO NOT SCALE DRAWING		PRODUCTION APPROVAL	SIZE D CAGE CODE 0F5D0 DWG NO. 0938-6001-01 REV -
					SCALE 1/30 PATH 0938DWG\0938-6001-01 SHEET 1 OF 3

NOTES:
1. TWO UNITS REQUIRED FOR 0938, 1 RIGHT-HAND LADDER AND 1 LEFT-HAND LADDER, LEFT-HAND OPTION SHOWN.
2. TORQUE 1-8 UNC GR. 5 BOLTS TO 480 ft-lbs LUBED
3. TORQUE 3/4-10 UNC GR.5 BOLTS TO 200 ft-lbs LUBED
4. TORQUE 1/2-13 UNC S.S. 18-8 BOLTS TO 55 ft-lbs LUBED
5. PLACE TUBING CLAMPS (ITEM 39) ON LADDER SIDE. LGH 15NOV06



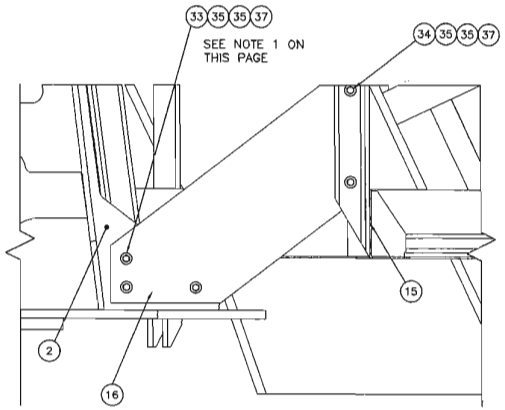


ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

978 SEQ 08Oct06

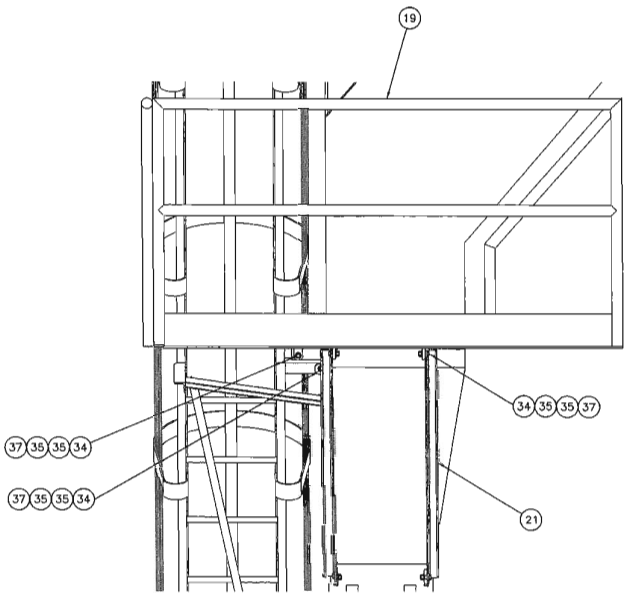
		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ±.02 .XXX ±.005 ANGLES ±1/2. REMOVE BURRS, BREAK SHARP EDGES. MATERIAL SEE PARTS LIST SHEET 2. FINISH 125 ACTUAL WEIGHT, LBS 55,560. DO NOT SCALE DRAWING	CUSTOMER P.O. No. DYNACON JOB No. 0938	THIS DRAWING IS THE PROPERTY OF DYNACON, INC. 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803. ANY REPRODUCTION OR USE OF THIS DESIGN IS EXPRESSLY FORBIDDEN UNLESS AUTHORIZED IN WRITING.	
			APPROVALS / DATE	A-FRAME GENERAL ASSEMBLY	
			DRAWN LGH 06APR06		
			DRAFTING CHECK LCD 02NOV06		
			ENGINEERING CHECK WAK 03NOV06		
	1		ENGINEERING APPROVAL 03 Nov06	SIZE D CAGE CODE OFSDO DWG NO. 0938-6001-01 REV –	
NEXT ASSEMBLY	QUANTITY		PRODUCTION APPROVAL 3 Nov06	SCALE 1/30 PATH 0938DWG\0938-6001-01 SHEET 1 OF 3	
APPLICATION					

NOTES: 1. MATCH DRILL ø 9/16 THRU
2. MATCH DRILL ø 7/8 THRU

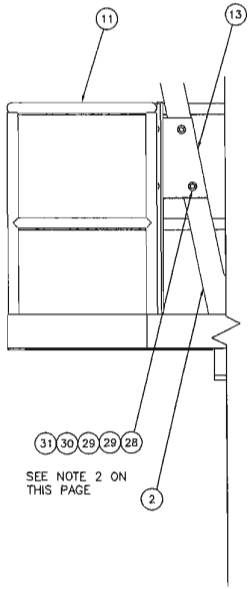


SECTION D–D SHT. 1
SCALE: 1/15
TYP. 2 PLACES

SOME DOCKINGHEAD PLATFORM PIECES REMOVED FOR CLARITY



SECTION E–E SHT. 1
SCALE: 1/8
TYP. 1 PLACE

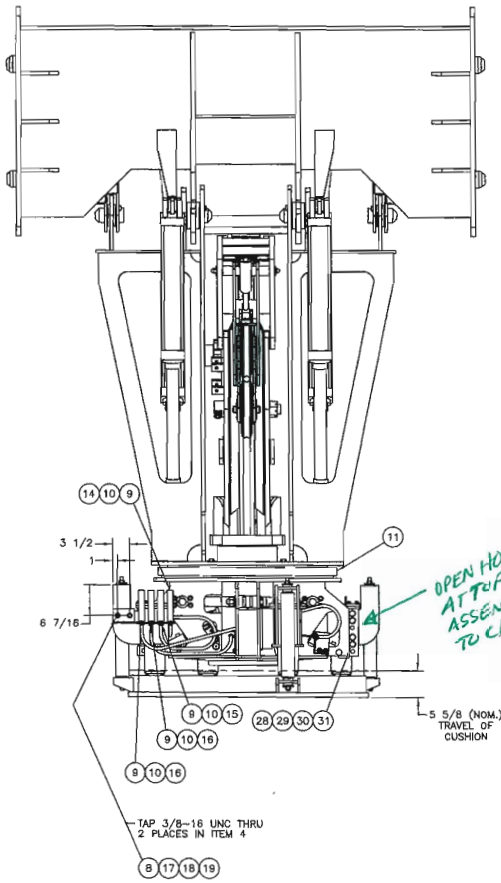


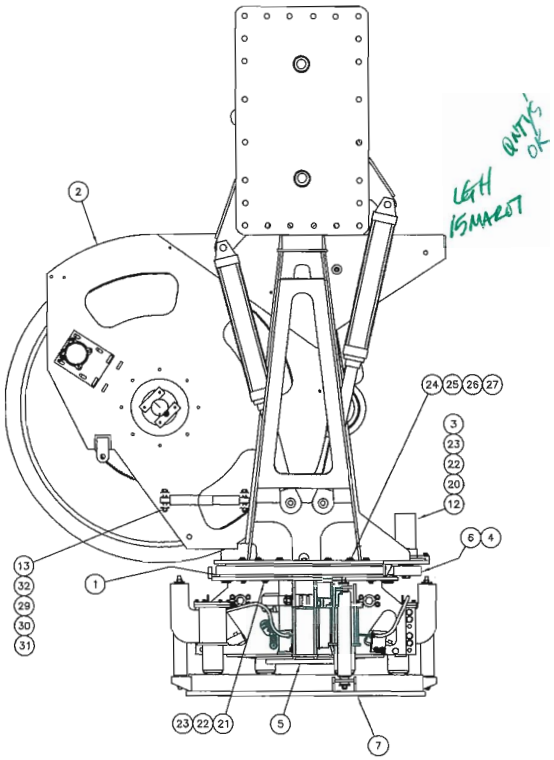
ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

8/26/06 978

		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ±.02 .XXX ±.005 ANGLES ±1/2°	CUSTOMER P.O. No.	DYNACON JOB No. 0938	THIS DRAWING IS THE PROPERTY OF DYNACON, INC. 1321 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803	ANY REPRODUCTION OR USE OF THIS DESIGN IS EXPRESSLY FORBIDDEN UNLESS AUTHORIZED IN WRITING.	
			APPROVALS	DATE			
			DRAWN LGH	06APR06	A–FRAME GENERAL ASSEMBLY		
		REMOVE BURRS, BREAK SHARP EDGES. MATERIAL SEE SHT. 1	DRAFTING CHECK ED	02JUN06			
SEE SHT. 1			ENGINEERING CHECK WAK	8/25/06			
NEXT ASSEMBLY	QUANTITY	FINISH 125 APPROX. WEIGHT, LBS SEE SHT. 1	ENGINEERING APPROVAL	8/25/06	SIZE D	CAGE CODE 0FSD0	DWG NO. 0938-6001-01 REV –
APPLICATION		DO NOT SCALE DRAWING	PRODUCTION APPROVAL	8/25/06	SCALE 1/15	PATH 0938DWG\0938-6001-01	SHEET 3 OF 3

08APR06





QNTYS OK
LGH 15MAR07

ITEM NO.	DESCRIPTION	PART NUMBER	QTY REQD
32	ZINC COATED Gr. 8 STEEL — HEX HEAD SCREW 3/4 x 10 UNC x 4 1/4 Lg.		4
31	ZINC COATED Gr. 5 STEEL — HEX NUT 3/4-10 UNC		16
30	ZINC COATED Gr. 5 STEEL — FLAT WASHER, NARROW ø3/4		32
29	ZINC COATED Gr. 5 STEEL — LOCK WASHER ø3/4 HELICAL SPRING		16
28	ZINC COATED Gr. 5 STEEL — HEX HEAD SCREW 3/4-10 UNC x 2 1/4 Lg.		16
27	ZINC COATED Gr. 8 STEEL — HEX NUT 5/8-11 UNC		22
26	ZINC COATED Gr. 8 STEEL — FLAT WASHER ø5/8		44
25	ZINC COATED Gr. 8 STEEL — LOCK WASHER ø5/8 HELICAL SPRING		22
24	ZINC COATED Gr. 8 STEEL — HEX HEAD SCREW 5/8 x 11 UNC x 3 3/4 Lg.		18
23	ZINC COATED Gr. 8 STEEL — FLAT WASHER ø1/2		22
22	ZINC COATED Gr. 8 STEEL — LOCK WASHER ø1/2 HELICAL SPRING		22
21	ZINC COATED Gr. 8 STEEL — HEX HEAD SCREW 1/2-13 UNC x 2 1/4 Lg.		18
20	ZINC COATED Gr. 8 STEEL — HEX HEAD SCREW 1/2-13 UNC x 2 1/2 Lg.		4
19	18-8 STAINLESS STEEL — FLAT WASHER ø3/8		2
18	18-8 STAINLESS STEEL — LOCK WASHER ø3/8 HELICAL SPRING		2
17	18-8 STAINLESS STEEL — HEX HEAD SCREW 3/8-16 UNC x 1 Lg.		2
16	CABLE CRAFT — CABLE CONTROL (REFERENCE ONLY, CALLED OUT ON M6010-6006-02)	184-LTI-2-42	2
15	CABLE CRAFT — CABLE CONTROL (REFERENCE ONLY, CALLED OUT ON M6010-6006-02)	184-LTI-2-84	1
14	CABLE CRAFT — CABLE CONTROL (REFERENCE ONLY, CALLED OUT ON M6010-6006-02)	184-LTI-2-80	1
13	MONROE — SHOCK	6878	2
12	WHITE — HYDRAULIC MOTOR 530375W3122AAAA	530375W3122	1
11	AVON — SLEW BEARING	733HA9	1
10	LATCH INDICATOR	M6010-6006-75	4
9	LATCH INDICATOR UPPER MOUNT SHIELD	M6010-6006-74	4
8	LATCH INDICATOR UPPER MOUNT	M6010-6006-73	1
7	DOCKING HEAD CUSHION	M6010-6006-50	1
6	DOCKING HEAD SLEW PINION GEAR	M6021-6006-35	1
5	DOCKING HEAD CATCH & LATCH ASSEMBLY	M6010-6006-02	1
4	DOCKING HEAD SPUR GEAR GUARD	M6021-6007-70	1
3	SLEW MOTOR MOUNT	M6021-6006-22	1
2	SWING FRAME AND CROSSMEMBER ASSEMBLY	0938-6001-03	1
1	DOCKING HEAD SPACER PLATE	M6021-6002-37	1

PARTS LIST

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY PRODUCTION

SE 18OCT06

0938-6001-01	1
NEXT ASSEMBLY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16, DECIMALS .XX ±.02 .XXX ±.005, ANGLES ±1/2°. REMOVE BURRS, BREAK SHARP EDGES. MATERIAL: SEE PARTS LIST. FINISH 125. APPROX. WEIGHT, LBS 11,500. DO NOT SCALE DRAWING.

CUSTOMER P.O. No. DYNACON JOB No. 978

APPROVALS		DATE
DRAWN	WAK	27MAR06
DRAFTING CHECK	LGH	28MAR06
ENGINEERING CHECK	RH	28MAR06
ENGINEERING APPROVAL	SE	28MAR06
PRODUCTION APPROVAL		28MAR06

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DOCKING HEAD ASSEMBLY WITH FOUR JAW LATCH

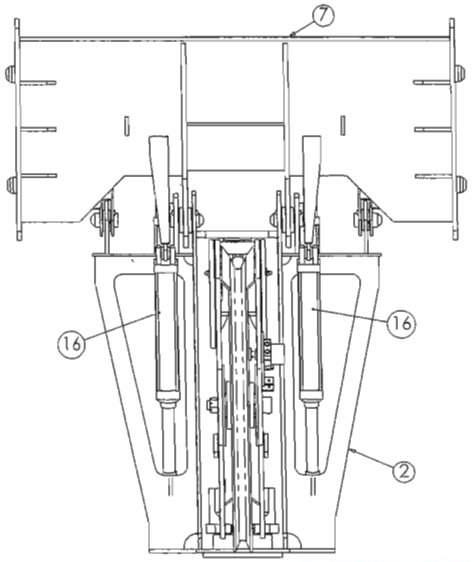
SIZE D | CAGE CODE OFSDO | DWG NO. 0938-6001-02 | REV –

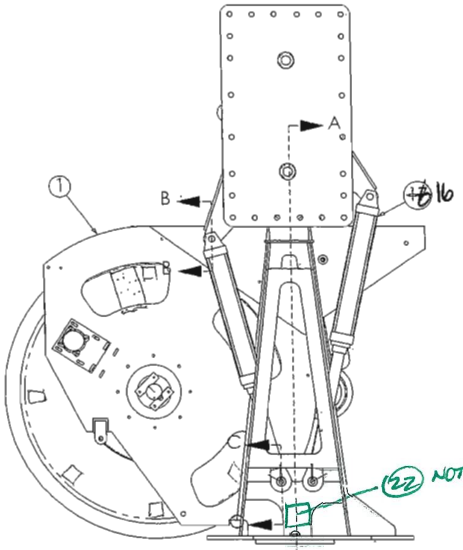
SCALE 1:10 | PATH 0938DWG\ | SHEET 1 OF 1

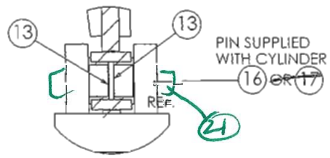
27MAR06 07:34

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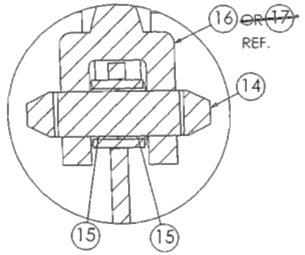
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED







SECTION B-B
SCALE 1:5
TYP. 4 PLACES



SECTION C-C
SCALE 1:5
TYP. 4 PLACES

QTY	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
1ST 4	0924-8008-05 M6010-5001-08	REMOTE GREASE FITTING ID. TAGS SWING CYLINDER BORE END PIN		22 21
8		HEX NUT 1-8 UNC	ZINC PLATED GR 5 CARBON STEEL	20
8		LOCK WASHER 1" HELICAL SPRING	ZINC COATED GR 5 CARBON STEEL	19
16		FLAT WASHER 1"	ZINC COATED GR 5 CARBON STEEL	18
8		~~HEX HEAD SCREW~~ 1-8 UNC x 3.5 LG	~~ZINC COATED~~ GR 5 CARBON STEEL	17
1	601-6003-01	SHEAVE ASSEMBLY		1
1	601-6007-10	SWING FRAME WELDMENT		2
1	601-6007-41	LOWER PIVOT TUBE		3
1	601-6004-32	LOWER PIVOT BUSHING		4
1	601-6004-31	UPPER PIVOT BUSHING		5
2	437-6007-23	STABILIZER MOUNT		6
1	0938-~~601~~-6007-20	CROSSMEMBER		7
2	601-6004-24	TILT PIN		8
4	601-6004-25	TILT PIN BUSHING		9
4	M6021-6007-57	STABILIZER BUSHING		10
2	M6021-6007-58	STABILIZER PIN		11
6	M6021-6007-63	PIN RETAINER		12
8	M6021-6004-10	UPPER CYLINDER BUSHING		13
4	M6021-6004-13	LAUNCH & RECOVERY SYSTEM STABILIZER CYLINDER PIN		14
8	M6021-6004-16	LOWER CYLINDER BUSHING		15
~~4~~ 2	M6010-5101-01	HYDRAULIC CYLINDER, 25" STROKE 4" BORE	~~HANNA~~	16
~~2~~	~~MP12HCR4.00-25.00-KALTA~~	~~HYDRAULIC CYLINDER, 25" STROKE 4" BORE~~	~~HANNA~~	~~17~~

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY SE
PRODUCTION

$8 18 Oct 06 JS

978 ~~938~~

0938-6001-01	
~~601-6001-02~~	1
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2°
MATERIAL SEE PARTS LIST
FINISH 125 APPROX. WEIGHT, LBS. 9535
DO NOT SCALE DRAWING

CUSTOMER PO No.	DYNACON JOB No. ~~601~~
APPROVALS	DATE
DRAWN AL	30JUL99
DRAFTING CHECK JW	18Aug99
ENGINEERING CHECK DKM	19 Aug 99
ENGINEERING APPROVAL JS	25 Aug 99
PRODUCTION APPROVAL JS	25 Aug 99

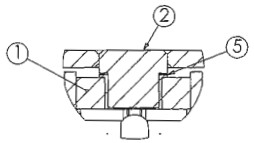
DYNACON, INC
831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

DOCKING HEAD
SHEAVE/CROSSMEMBER
ASSEMBLY

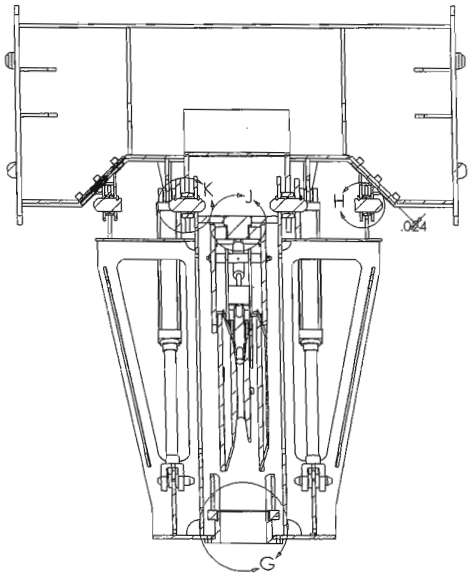
SIZE B | DWG. NO. ~~0938~~-601-6001-03 | REV.
SCALE 1:25 | CAD FILE: 0601DWG\601-6001-03 | SHEET 1 OF 2

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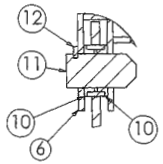
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



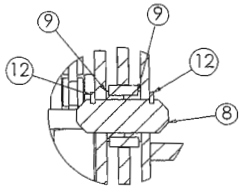
DETAIL J
SCALE 1 : 10



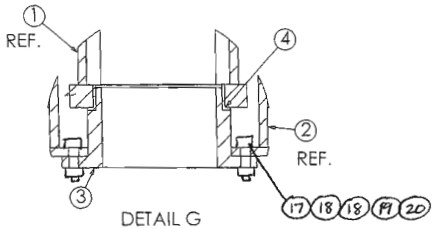
SECTION A-A



DETAIL H
SCALE 1 : 10



DETAIL K
SCALE 1 : 10



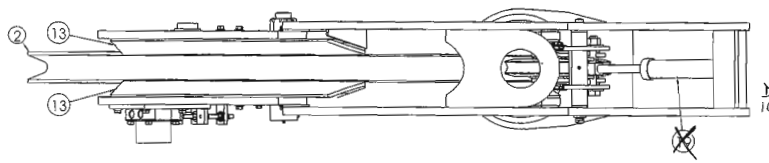
DETAIL G
SCALE 1 : 10

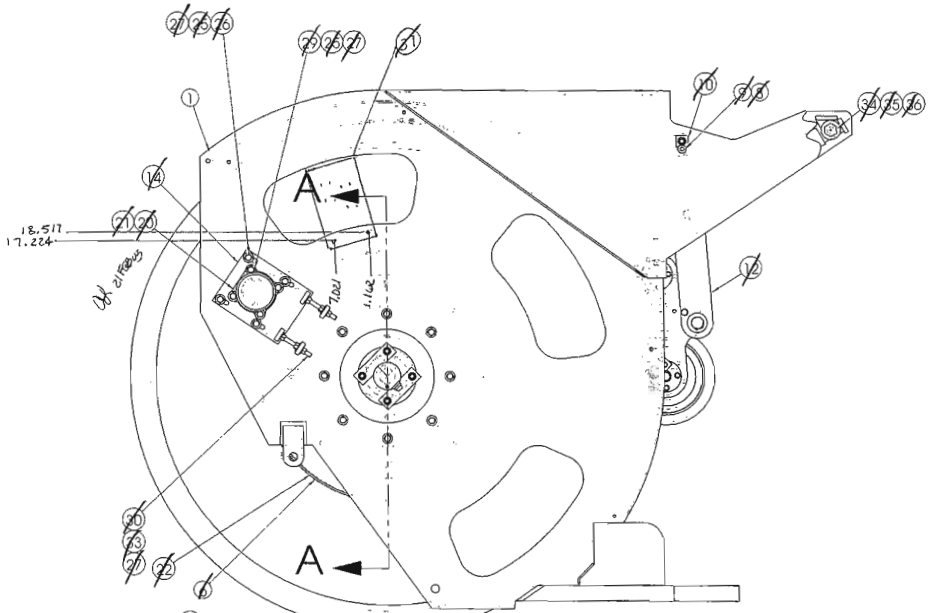
ISSUED FOR
JOB NO. 978
OCT 26 2006
BY PRODUCTION

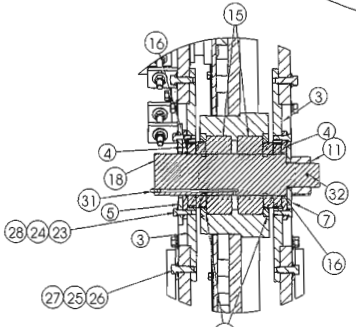
978-938

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2°	CUSTOMER PO No.	DYNACON JOB No. 601	DYNACON, INC 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803
	APPROVALS	DATE	DOCKING HEAD SHEAVE/CROSSMEMBER ASSEMBLY
MATERIAL SEE SHEET 1	DRAWN AL	30JUL99	
	DRAFTING CHECK		
	ENGINEERING CHECK	19 Aug 99	
FINISH 125	APPROX. WEIGHT, LB SEE SHT 1	ENGINEERING APPROVAL	
DO NOT SCALE DRAWING		PRODUCTION APPROVAL	SIZE B DWG. NO. 0938-601-6001-03 REV. -
			SCALE 1X CAD FILE: 0601DWG\601-6001-03 SHEET 2 OF 2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	MATERIAL REVISIONS TO ITEM 5 AND 21	23FEB01	JF
B	REPLACE LOST PRINT AND ADD HARDWARE	31DEC02	JF







ISSUED FOR
JOB NO. 978
OCT 2 6 2006
BY PRODUCTION

~~1~~ ~~Dwg 6103-35~~ ~~TOOLS (LOAD PIN <20 TONS RATED)~~ ~~18~~ *
1 6021-6004-05 SHEAVE AXLE 18 D*

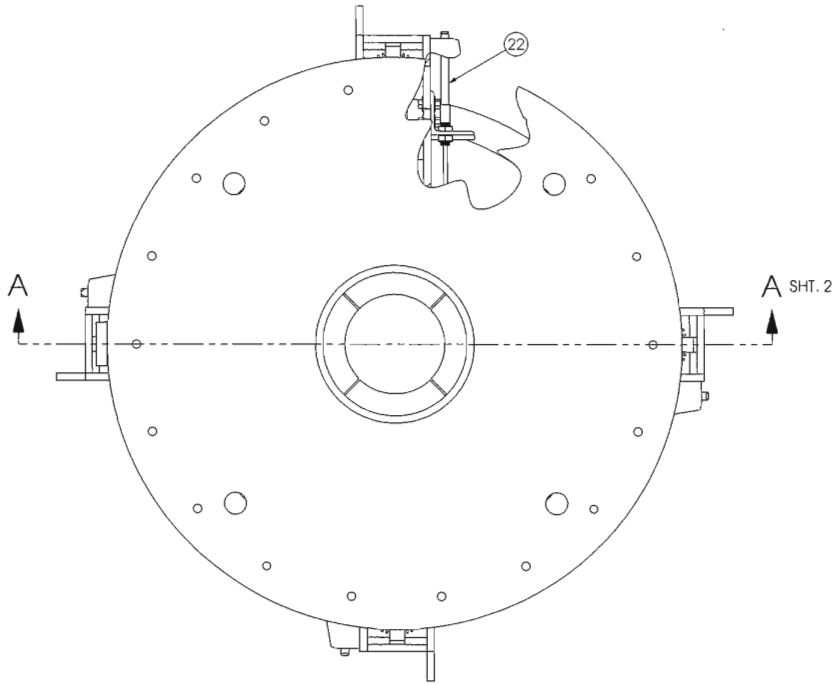
QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
1	601-6007-30	CHEEK PLATE WELDMENT		1
1	601-6003-02	SHEAVE WELDMENT		2
2	601-6007-40	SHEAVE STANDOFF		3
2	M6021-6006-11	BEARING RETAINER		4
2	396-6006-09	SHEAVE KEEPER		5
~~1~~	~~601-6004-09~~	~~PLATE SPROCKET (OPTIONAL)~~	~~MARTIN~~	~~6~~
1	437-2003-23	WASHER		7
~~2~~	~~437-6005-12~~	~~DOCKING HEAD IDLER PIVOT BUSHING~~		~~8~~
~~1~~	~~601-6004-08~~	~~IDLER WHEEL TILT PIN~~		~~9~~
~~1~~	~~M421-2105-44~~	~~SWING ARM PIVOT PIN KEEPER~~		~~10~~
1	M421-2103-12	SLOTTED HEX NUT		11
~~1~~	~~452-6005-01~~	~~DOCKING HEAD IDLER WHEEL ASSEMBLY~~		~~12~~
2	601-6007-55	FAIRING WELDMENT		13
~~1~~	~~601-6007-50~~	~~DRIVE MOTOR MOUNT (OPTIONAL)~~		~~14~~
2	850-832	TAPERED ROLLER BEARING CUP/CONE	TIMKIN	15
2	2-239	O-RING,	BUNA-N	16
2	14133LPD	SEAL	J-M CLIPPER	17
~~1~~	~~100K~~	~~LOAD PIN <NON-ZERO> DWG 3 SHEET 1~~	~~3PS~~	~~18~~ *
~~1~~	~~DMT-2006~~	~~HYDRAULIC CYLINDER, 2" BORE 1" ROD 6" STROKE~~	~~MARTNER~~	~~19~~
~~1~~	~~113A-088-115-0~~	~~HYDRAULIC MOTOR, (OPTIONAL)~~		~~20~~
~~1~~	~~50B17SS~~	~~HUB SPROCKET, BORE: 1.250", KEY:5/16" (OPTIONAL)~~	~~MARTIN~~	~~21~~
~~1~~		~~ROLLER CHAIN, 50 PITCH~~	~~BROWNING~~	~~22~~
17	HHB3.8-16_1.25LG	HEX HEAD BOLT, 3/8-16 UNC x 1 1/4 Lg.	S.S. 316	23
17	LWHS3.8	LOCK WASHER HELICAL SPRING, 3/8"	18-8 STAINLESS STEEL	24
24	LWHS1.2	LOCK WASHER HELICAL SPRING, 1/2"	S.S. 18-8	25
20	HHB1.2-13_1.5LG	HEX HEAD BOLT, 1/2-13 UNC x ~~1 1/2 Lg.~~ 1 3/4 Lg. AR	18-8 STAINLESS STEEL	26
30	FW1.2	FLAT WASHER, 1/2"	S.S. 18-8	27
17	FW3.8	FLAT WASHER, 3/8"	18-8 STAINLESS STEEL	28
~~4~~	~~HHB1.2-13_2.25LG~~	~~HEX HEAD BOLT, 1/2-13 UNC x 2 1/4 Lg.~~	~~S.S. 18-8~~	~~29~~
~~2~~	~~1.213_5LG~~	~~THREADED ROD, 1/2-13 UNC x 5.00" Lg.~~	~~S.S. 18-8~~	~~30~~
1	GZ1.4-28	GREASE ZERK, 1/4-28 UNF	STAINLESS STEEL	31
1	CP1.8_4LG	COTTER PIN, 1/8 x 4 Lg.	STAINLESS STEEL	32
~~6~~	~~HNR1.2-13~~	~~HEX NUT, 1/2-13 UNC~~	~~S.S. 18-8~~	~~33~~
~~1~~	~~HHB1-8_4LG~~	~~HEX HEAD BOLT, 1-8 UNC x 4 Lg.~~	~~ZINC COATED Gr. 5 STEEL~~	~~34~~
~~1~~	~~HNR1-8~~	~~HEX NUT, 1-8 UNC~~	~~ZINC COATED Gr. 5 STEEL~~	~~35~~
~~4~~	~~FW1~~	~~FLAT WASHER, 1"~~	~~S.S. 18-8~~	~~36~~
~~1~~	~~559-6002-02~~	~~LINE COUNTER MOUNT~~		~~37~~

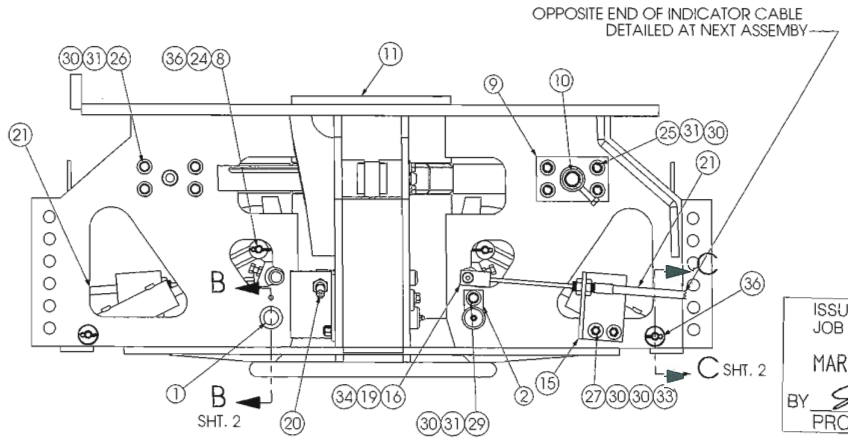
978

8/18/06 g

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2° REMOVE SHARP EDGES AND BURRS	CUSTOMER PO No.	DYNACON JOB No. ~~0601~~ 0601	DYNACON, INC. 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803		
			APPROVALS	DATE			
			DRAWN AL	30JUL99	DOCKING HEAD SHEAVE ASSEMBLY		
			DRAFTING CHECK JLL	25AUG99			
		MATERIAL	ENGINEERING CHECK DRM	25AUG99			
0938-6001-03	1	FINISH 125	ENGINEERING APPROVAL TS	25AUG99	SIZE B	DWG. NO. 0601-6003-01	REV. B
NEXT ASSY	QUANTITY	APPROX. WEIGHT, LBS	PRODUCTION APPROVAL DJ	25AUG99	SCALE 1:15	CAD FILE: 0601DWG\0601-6003-01	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING					PLOT DATE: 12/31/2002

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	AS BUILT, ADDED 28-32, DELETE ITEM 19	20AUG98	TS
B	ADD PROFILES OF "2" GUSSET	03DEC98	TS
C	UPDATE PARTS LIST	19JAN99	MLK
D	MODIFY LATCH MOUNT PLATES/ UPDATE TO SOLIDWORKS	10AUG00	TS
E	INCORPORATE M6010-6006-30 & M6010-6006-31 INTO ASSEMBLY	30MAR01	PBC
F	ADDED LATCH INDICATOR CABLES.	26MAR04	PBC
G	UPDATED GREEN LINES	04AUG05	TS
H	MODIFY BUSHING TYPE FOR HYDRAULIC CYLINDER	19MAR07	





QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
16	1.82	COTTER PIN, 1/8" O.D. x 2 Lg.	STAINLESS STEEL DYN	36
4	GZ1.4-28	GREASE ZERK, 1/4-28 UNF	STAINLESS STEEL	35
4	SHSS1.2_3.8-16_1LG	SHOULDER SCREW, HEX SOCKET, Ø1/2" x 1" Lg.	S.S. 18-8	34
8	HNRSL_3.8-16	HEX NUT, SELF-LOCKING,3/8-16 UNC	S.S. 18-8	33
4	hnj_3.8-16_0.375_C	JAM NUT, THIN, 3/8-16 UNC	S.S. 18-8	32
36	LW3.8	LOCK WASHER, 3/8" HELICAL SPRING	S.S. 18-8	31
52	FWR3.8	FLAT WASHER, 3/8"	S.S. 18-8	30
4	HB3.8-16_1LG	HEX HEAD BOLT, 3/8-16 UNC x 1 Lg.	S.S. 18-8	29
4	HHB3.8-16_1.25LG	HEX HEAD BOLT, 3/8-16 UNC x 1 1/4 Lg.	S.S. 18-8	28
8	HB3.8-16_1.38LG	HEX HEAD BOLT, 3/8-16 UNC x 1 3/8 Lg.	S.S. 18-8	27
16	HB3.8-16_1.5LG	HEX HEAD BOLT, 3/8-16 UNC x 1 1/2 Lg.	S.S. 18-8	26
16	HHB3.8-16_2LG	HEX HEAD BOLT, 3/8-16 UNC x 2 Lg.	S.S. 18-8	25
16	FW1.2	FLAT WASHER, Ø1/2"	S.S. 18-8 DYN	24
4	DWC-187NO-19	COMPRESSION SPRING	DIAMOND WIRE SPRING CO. 42773	23
1	184-LTT-2-80	INDICATOR CABLE	CABLE CRAFT 42773	22
2	184-LTT-2-42	INDICATOR CABLE	CABLE CRAFT 42773	21
1	184-LTT-2-64	INDICATOR CABLE	CABLE CRAFT 42773	20
4	B810-6	SLEEVE BEARING	BOSTON BRONZE 42773	19
4	SS-1620-6	BRONZE SLEEVE BUSHING	SYMMCO OR EQUIVALENT 42773	18
4	MSC1502	HYDRAULIC CYLINDER	IOWA Hxd	17
4	M6010-6006-72	LATCH INDICATOR MOUNT KNUCKLE		16
4	M6010-6006-71	LATCH INDICATOR LOWER MOUNT		15
8	M6010-6006-32	SLIDE GROOVE		14
4	M6010-6006-30	LATCH WELDMENT		13
4	M6010-6006-24	CATCH RING		12
1	M6010-6006-10	FRAME WELDMENT		11
4	M6010-6004-31	STOP RING RETAINER PIN		10
4	M6010-6004-30	STOP RING RETAINER PIN LATCH BRACKET		9
4	M6010-6004-27	LATCH CYLINDER PIN (ROD END)		8
4	M6010-6004-26	LATCH CYLINDER PIN		7
4	M6010-6004-25	LATCH CYLINDER CLEVIS		6
4	M6010-6004-24	STOP PIN		5
8	M6010-6004-23	OUTER BUSHING		4
8	M6010-6004-22	INNER BUSHING		3
4	M6010-6004-21	PIVOT PIN KEEPER		2
4	M6010-6004-20	LATCH PIVOT PIN		1

ISSUED FOR
JOB NO. 978
MAR 21 2007
BY
PRODUCTION

M6010-6001-02	1
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
±1/16 .XX ± .02 ±1/2°
.XXX ± .005
MATERIAL SEE PARTS LIST
FINISH 125 APPROX. WEIGHT, LBS 1132
DO NOT SCALE DRAWING

CUSTOMER PO No. DYNACON JOB # 978

APPROVALS		DATE
DRAWN	AL	08APR98
CRAFTING CHECK	JLL	15APR98
ENGINEERING CHECK	TS/MLK	15APR98
ENGINEERING APPROVAL	JRJ	16APR98
PRODUCTION APPROVAL	DJ	16APR98

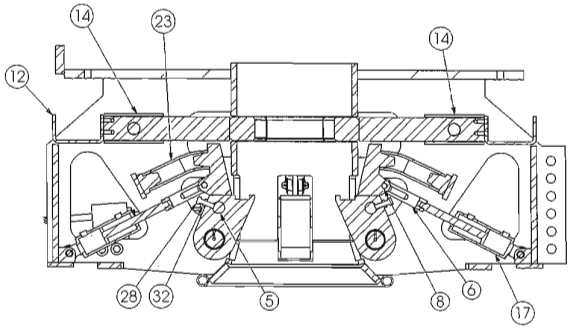
DYNACON, INC.
831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

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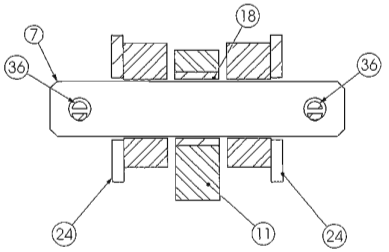
CATCH AND LATCH ASSEMBLY

SIZE B | DWG. NO. M6010-6006-02 | REV. H
SCALE 1:8 | CAD FILE: D:\DWG\M6010-6006-02 | SHEET 1 OF 2

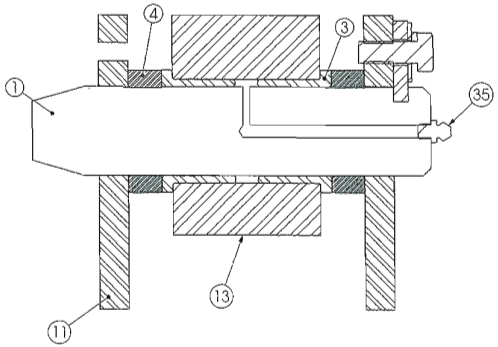
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	AS BUILT, ADDED 28-32. DELETE ITEM 19	20AUG98	TS
B	ADD PROFILES OF "Z" GUSSET	03DEC98	TS
C	UPDATE PARTS LIST	19JAN99	MLK
D	MODIFY LATCH MOUNT PLATE/ UPDATE TO SOLIDWORKS	10AUG00	TS
E	INCORPORATED M6010-6006-30 & M6010-6006-31 INTO ASSEMBLY	30MAR01	PRC
F	ADDED LATCH INDICATOR CABLES.	26MAR04	PRC
G	UPDATED GREEN LINES	04AUG05	TS
H	MODIFY BUSHING TYPE FOR HYDRAULIC CYLINDER	19MAR07	



SECTION A-A
SCALE 1 : 10
(SHEET 1)



SECTION C-C
SCALE 1 : 1
(SHEET 1)

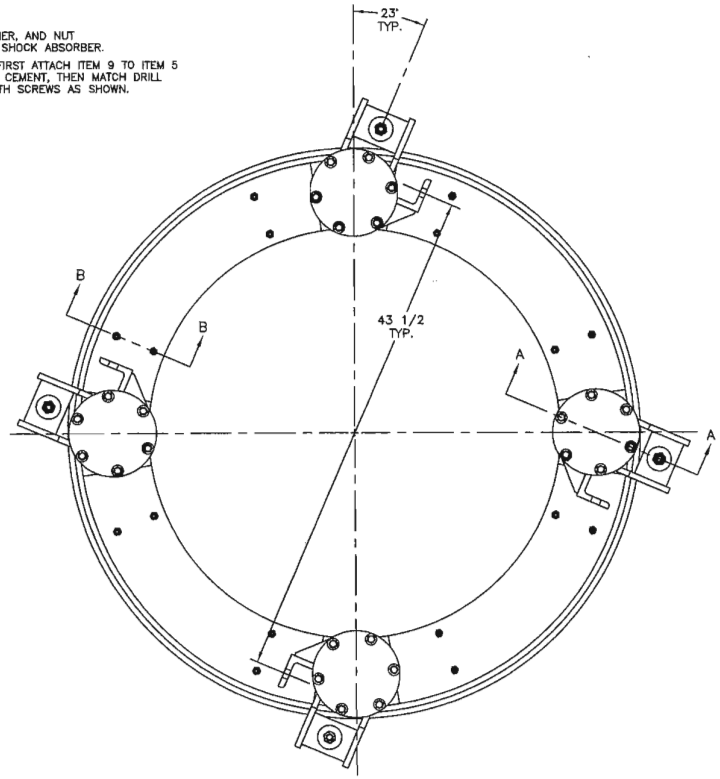


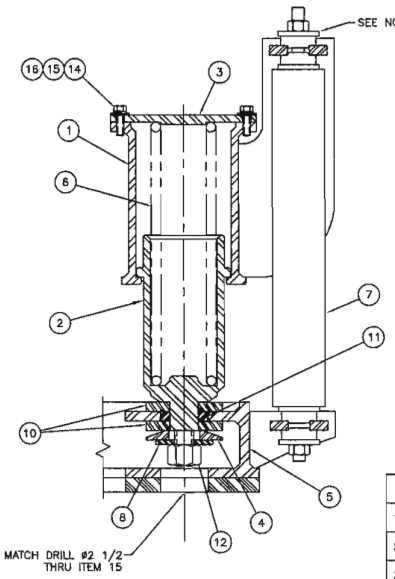
SECTION B-B
SCALE 1 : 2
(SHEET 1)

ISSUED FOR
JOB NO. 978
MAR 21 2007
BY
PRODUCTION

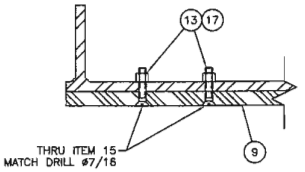
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ±1/16 .XX ± .02 ±1/2° .XXX ± .005	CUSTOMER PO No. DYNACON JOB 978	DYNACON, INC. 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803	ANY REPRODUCTION OR USE OF THIS DRAWING IS EXPRESSLY FORBIDDEN UNLESS AUTHORIZED IN WRITING.
	APPROVALS / DATE		
	DRAWN AL 08APR98	CATCH AND LATCH ASSEMBLY	
	DRAFTING CHECK JLL 15APR98		
MATERIAL SEE SHEET 1	ENGINEERING CHECK TS/MLK 15APR98		
FINISH 125 / APPROX. WEIGHT, LBS SEE SHEET 1	ENGINEERING APPROVAL JRJ 16APR98	SIZE B / DWG. NO. M6010-6006-02	REV. H
DO NOT SCALE DRAWING	PRODUCTION APPROVAL DJ 16APR98	SCALE 1:10 / CAD FILE: 0 DWG \ M6010-6006-02	SHEET 2 OF 2

NOTES:
1. GROMMET, WASHER, AND NUT SUPPLIED WITH SHOCK ABSORBER.
2. SECTION B–B: FIRST ATTACH ITEM 9 TO ITEM 5 USING CONTACT CEMENT, THEN MATCH DRILL AND ATTACH WITH SCREWS AS SHOWN.

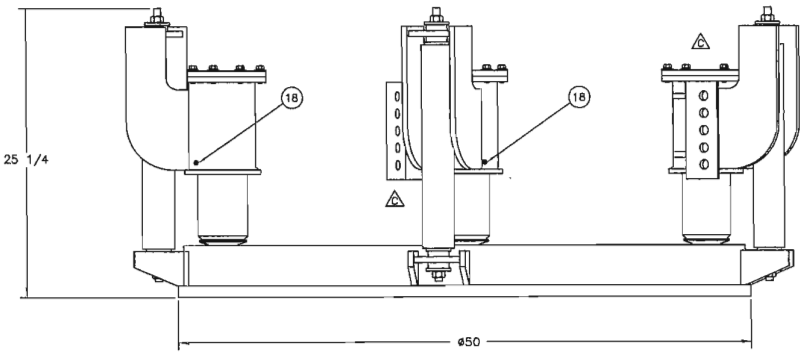




SECTION A–A
SCALE: 1/3
4 PLACES



SECTION B–B
SCALE: 1/3
8 PLACES
SEE NOTE #2



ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

8/18/06 A

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
D4	A	REVISED ITEM 8, UPDATE PROFILE ITEM 3	29APR98	TS
–	B	ADD PROFILE OF CORNER GUSSETS	03DEC98	TS
A6	C	UPDATE PROFILE OF HOLES IN ANGLE	23DEC98	TS
–	D	AS BUILT	04MAR99	MLK
–	E	UPDATED GREEN–LINE	26MAR04	PRC
–	F	UPDATED GREEN LINES	26JUL05	

QTY REQD	PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
4		GREASE ZERK 1/4–28 UNF	STAINLESS STEEL	18
16		HEX NUT, SELF LOCKING 3/8–16 UNC	18–8 STAINLESS STEEL WITH NYLON INSERT	17
24		FLAT WASHER ø3/8, HELICAL SPRING	18–8 STAINLESS STEEL	16
24		LOCK WASHER ø3/8, HELICAL SPRING	18–8 STAINLESS STEEL	15
24		HEX HEAD SCREW 3/8–16 UNC x 1 1/4 Lg.	18–8 STAINLESS STEEL	14
16		FLAT HEAD SCREW 3/8–16 UNC x 2 Lg.	18–8 STAINLESS STEEL	13
4		HEX NUT, SELF LOCKING 1–8 UNC	18–8 STAINLESS STEEL WITH NYLON INSERT	12
4		SHEET, 1/2 x ø2 1/2 O.D. x 1 1/2 I.D.	REMALINE DURO 60	11
8		SHEET 4 O.D. x 1 1/2 I.D. x 1/2 THK	REMALINE DURO 60	10
1		SHEET, 3/4 x ø50 O.D. x 36 I.D. MATCH DRILL AS NOTED	NEOPRENE	9
4		ROUND BAR 3 O.D. x 1 1/16 I.D. x 1/4 THK	AISI TYPE 304 STAINLESS STEEL	8
4	65404	SHOCK ABSORBER	MONROE	7
4	DWC–468S–27	SPRING, 3.406 O.D. x 2.47 I.D. x 14 Lg. FREE 6.161 TRAVEL, K=184 lbs./in.	DIAMOND	6
1	M6010–6006–58	MOUNT RING		5
4	M6010–6006–57	MOUNT WASHER		4
4	M6010–6006–56	CAP		3
4	M6010–6006–54	INNER SLIDE TUBE		2
4	M6010–6006–52	OUTER SLIDE TUBE		1

PARTS LIST

NEXT ASSEMBLY	QUANTITY
0938–6001–02	1
M6010–6001–03	1
APPLICATION	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ±.02 .XXX±.005 ANGLES ±1/2. REMOVE BURRS, BREAK SHARP EDGES. MATERIAL: SEE PARTS LIST. FINISH: 125 √. APPROX. WEIGHT, LBS: 660. DO NOT SCALE DRAWING.

CUSTOMER P.O. No. DYNACON JOB No. 978

APPROVALS		DATE
DRAWN	JLL	10MAR98
DRAFTING CHECK	AL	16MAR98
ENGINEERING CHECK	MLK	16MAR98
ENGINEERING APPROVAL	JRJ	16MAR98
PRODUCTION APPROVAL	DJJ	16MAR98

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DOCKING HEAD CUSHION ASSEMBLY

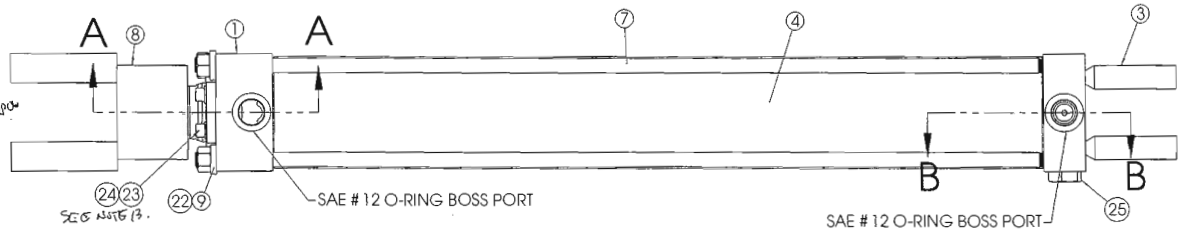
SIZE D | CAGE CODE OFSDO | DWG NO. M6010–6006–50 | REV F
SCALE 1/5 | PATH J:\M6010\Dwg\600650 | SHEET 1 OF 1
03/28/04 12:15

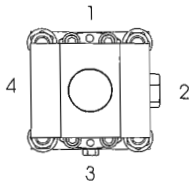
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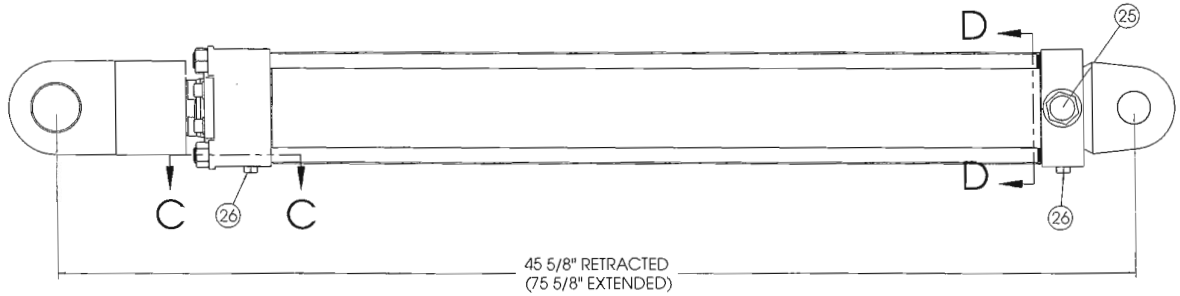
1. BORE: Ø4".
2. ROD: Ø2.5"
3. OPERATING PRESSURE: 3000 PSI
4. MAXIMUM PRESSURE: 3300 PSI
5. STROKE: 30"
6. COLLAPSED LENGTH (EYE TO EYE): 45 5/8"
7. EXTENDED LENGTH (EYE TO EYE): 75 5/8"
8. # 12 SAE O-RING PORTS BOTH ENDS AT POSITION # 1
9. ADDITIONAL # 12 SAE O-RING PORT ON CAP END (PLUGGED).
10. TIE-ROD TORQUE: 105 FT-LBF, LUBRICATED.
11. NO STOP TUBE.
12. FOR DETAILED SECTIONAL VIEW, SEE SHEET 2.
13. GLAND RETAINING BOLT TORQUE: 45 FT-LB LUBED. - ATTI 01/2004

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	UPDATE GREENLINES.	16MAY02	TS
B	MODIFY WATER SEALS.	13AUG02	TS
C	ADD EXTRA WORK PORT TO CAP.	30DEC02	TS
D	DISSOLVED SUB ASSEMBLY M6021-5101-06 (ROD AND PISTON ASSEMBLY). ALL PARTS REQUIRED ARE REFLECTED ON FINAL ASSEMBLY (M6021-5101-01) BOM; UPDATED SHEET FORMAT.	03FEB04	ADH







QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
1	M6010-5101-02	CYLINDER HEAD, 4" BORE, 2.5" ROD		1
1	M6010-5101-03	ROD GLAND, 4" BORE ,2.5" ROD		2
1	M6010-5101-04	CAP WITH CLEVIS MOUNT, 4" BORE		3
1	M6021-5101-05	BARREL, 4" ID x .375" WALL		4
1	M6010-5101-07	PISTON, 4" BORE, 2.5" ROD		5
1	M6021-5101-08	2.5" ROD		6
4	M6021-5101-10	CYLINDER TIE-ROD, 5/8" DIAMETER		7
1	M6010-5101-12	CYLINDER ROD CLEVIS		8
4	M6010-5101-15	5/8" TIE ROD WASHER		9
4	M6010-5101-16	5/8" TIE-ROD SLEEVE		10
2	002-207	PISTON PACKING SEAL, U-CUP STYLE, 92 SHORE A	DISOGRIN	11
1	GO1-171	ROD D-300 SEAL	DISOGRIN	12
1	006-030	SNAP-IN ROD WIPER	DISOGRIN	13
2	074-138	BACKUP RING	DISOGRIN	14
1	AS568-138	O-RING, 92 SHORE A	DISOGRIN	15
1	073-237	BACKUP RING	DISOGRIN	16
1	AS568-237	O-RING, 92 SHORE A	DISOGRIN	17
2	073-240	BACKUP RING	DISOGRIN	18

QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
2	AS568-240	O-RING, 92 SHORE A	DISOGRIN	19
1	153	O-RING, 70 DUROMETER	BUNA-N	20
2	246	O-RING, 70 DUROMETER	BUNA-N	21
4	HNR5.8-18	HEX NUT, 5/8-18 UNF	ZINC COATED Gr. 8 STEEL	22
8	SHCS3.8-16_1.25LG	SOCKET HEAD CAP SCREW, 3/8-16 UNC x 1 1/4 Lg.	ZINC COATED Gr. 8 STEEL	23
8	FW03.8	FLAT WASHER NARROW, 3/8"	ZINC COATED, Gr. 8 STEEL	24
1	6408-12-O	#12 SAE, MALE O-RING BOSS PLUG	BRENNAN OR EQUIV.	25
2	6408-4-O	#4 SAE, MALE O-RING BOSS PLUG	BRENNAN OR EQUIV.	26
1	SS 1/4-20	SET SCREW, 1/4-20 x 1/2 Lg.	18-8 STAINLESS STEEL	27

978-6001-03	4
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2°
REMOVE SHARP EDGES AND BURRS
MATERIAL: SEE PARTS LIST
FINISH: 125
APPROX. WEIGHT, LBS: 167
DO NOT SCALE DRAWING

CUSTOMER PO No.

APPROVALS		DATE
DRAWN	DNS	14FEB02
DRAFTING CHECK	DWC	18FEB02
ENGINEERING CHECK	DWC	18FEB02
ENGINEERING APPROVAL	TS	18FEB02
PRODUCTION APPROVAL	DJ	18FEB02

DYNACON JOB NO. 978

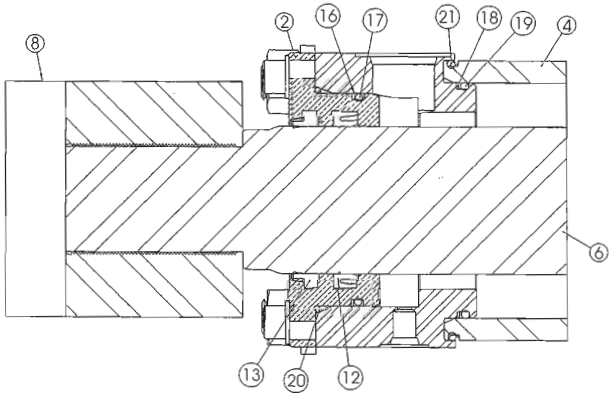
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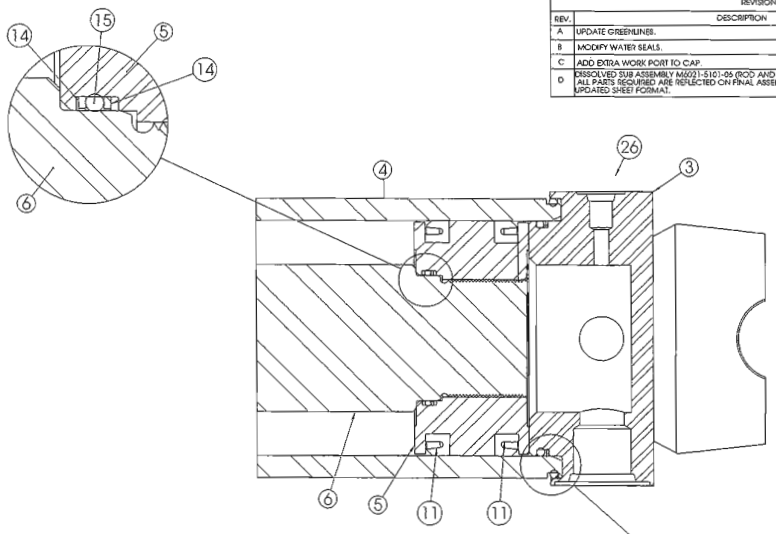
SWING CYLINDER
4" BORE, 2.5" ROD

SIZE B | DWG. NO. M6021-5101-01 | REV. D
SCALE 1:8 | CAD FILE J:\M6021\DWG\M6021-5101-01 | SHEET 1 OF 2

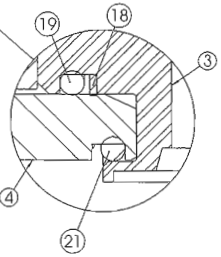
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	UPDATE GREENLINES.	15MAY02	TS
B	MODIFY WATER SEALS.	13AUG02	TS
C	ADD EXTRA WORK PORT TO CAP.	30DEC02	TS
D	DISSOLVED SUB ASSEMBLY M6021-5101-05 (ROD AND PISTON ASSEMBLY). ALL PARTS REQUIRED ARE REFLECTED ON FINAL ASSEMBLY (M6021-5101-01) BOM; UPDATED SHEET FORMAT.	03FEB04	

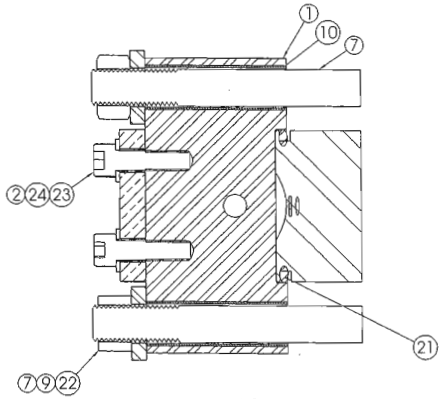


SECTION A-A
SCALE 1 : 2



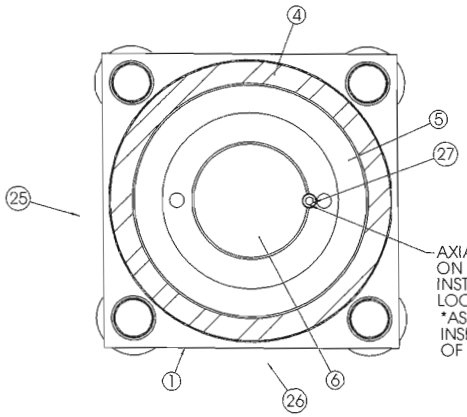
SECTION B-B
SCALE 1 : 2





SEE NOTE #10

SECTION C-C
SCALE 1 : 2
SHT. 1



SECTION D-D
SCALE 1 : 2
SHT. 1

AXIALLY TAP 1/4-20 UNC x .56 DEEP
ON 2.000 DIAMETER.
INSTALL SET SCREW (ITEM 27).
LOC-TITE SET SCREW IN PLACE.
*ASSEMBLE PISTON(ITEM 9) TO ROD(ITEM 6) AND
INSERT SET SCREW(ITEM 27) PRIOR TO INSTALLATION
OF ROD INTO BARREL(ITEM 8).

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

17 Oct 06

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2°
REMOVE SHARP EDGES AND BURRS
MATERIAL: SEE SHEET 1
FINISH: 125 APPROX. WEIGHT, LBS: SEE SHEET 1
DO NOT SCALE DRAWING

CUSTOMER PO No.
DYNACON JOB No. 978

APPROVALS		DATE
DRAWN	DNS	14FEB02
DRAFTING CHECK	DWC	18FEB02
ENGINEERING CHECK	DWC	18FEB02
ENGINEERING APPROVAL	TS	18FEB02
PRODUCTION APPROVAL	DJ	18FEB02

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831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

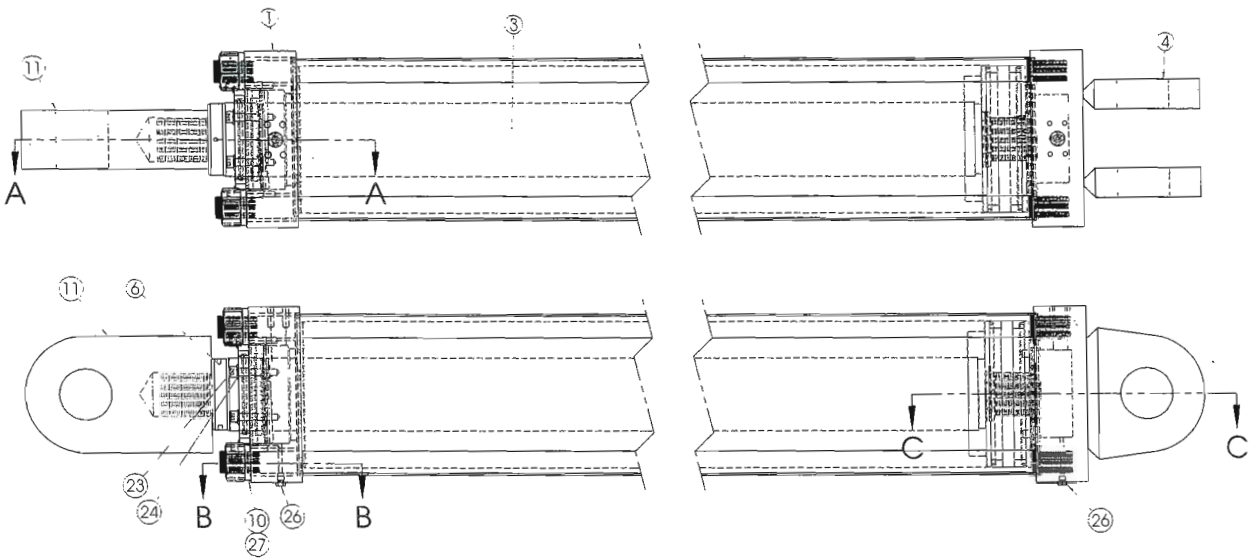
SWING CYLINDER
4" BORE, 2.5" ROD

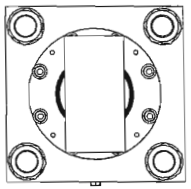
SIZE B | DWG. NO. M6021-5101-01 | REV. D
SCALE 1:5 | CAD FILE: J:\M6021\DWG\M6021-5101-01 | SHEET 2 OF 2
CURRENT REVISION BY: DS | PLOT DATE: 3/17/2004

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

NOTES:
1. BORE: 10" DIA
2. ROD: 5" DIA
3. OPERATING PRESSURE: 2100 PSI
4. MAXIMUM PRESSURE: 3000 PSI
5. EXTENDED LENGTH (EYE TO EYE): ~~166.5"~~ 198 7/16
6. RETRACTED LENGTH (EYE TO EYE): ~~96.5"~~ 113 7/16
7. GROSS STROKE: ~~70"~~ 87.7"
8. STOP TUBE: ~~12"~~ 2.7" 85"
9. NET STROKE: ~~76.2"~~
10. TORQUE PROCEDURE:
    A. TORQUE TIE RODS TO 1160 FT-LBF
    B. TORQUE SOCKET HEAD CAP SCREWS HOLDING BRONZE ROD GLAND TO 80 FT-LBF

LGH
27 FEB06





QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
1	0828-5201-03	HEAD (10" BORE 5" ROD)		1
1	0828-5201-04	ROD GLAND, 10" BORE, 5" ROD		2
1	0938 ~~0828~~-5201-05	BARREL, 10" ID x .500" WALL		3
1	0828-5201-06	10" BORE CAP		4
1	0828-5201-07	10" BORE PISTON		5
1	0938 ~~0828~~-5201-08	5" CYLINDER ROD		6
4	0938 ~~0828~~-5201-12	CYLINDER TIE-ROD, 1-1/2" DIAMETER		7
1	0938 ~~0828~~-5201-13	LUFF CYLINDER STOP TUBE		8
4	0828-5201-14	TIE ROD SLEEVE		9
4	0828-5201-15	TIE-ROD WASHER		10
1	0828-5201-20	CYLINDER EYE		11
1	RUE405000-Z94	TURQUOISE POLYURETHANE ROD SEAL	SHAMBAN	12
1	WDE305000-Z94	TURQUOISE POLYURETHANE ROD WIPER	SHAMBAN	13
2	002-313	PISTON PACKING SEAL, U-CUP STYLE, 92 SHORE A	DISOGRIN	14
1	AS568-044	O-RING, 92 SHORE A	DISOGRIN	15
2	074-044	BACKUP RING	DISOGRIN	16
1	AS568-260	O-RING, 92 SHORE A	DISOGRIN	17
1	073-260	BACKUP RING	DISOGRIN	18

QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
2	AS568-273	O-RING, 92 SHORE A	DISOGRIN	19
2	073-273	BACKUP RING	DISOGRIN	20
1	261 SERIES ORING	70 DUROMETER	BUNA-N	21
2	275 SERIES ORING	70 DUROMETER	BUNA-N	22
8	SHCS1.2-13_2.25 LG	SOCKET HEAD CAP SCREW, 1/2-13 UNC x 2.25 Lg.	ZINC COATED Gr. 8 STEEL	23
8	FW01.2	FLAT WASHER NARROW, 1/2"	ZINC COATED Gr. 8 STEEL	24
1	SS1.4-20..5Lg.	SET SCREW, 1/4-20 x 1/2 Lg.	18-8 STAINLESS STEEL	25
2	6408-04-O	SAE #4 HEX HEAD O-RING PLUG	CAD PLATED STEEL	26
4	HNR1 1.2-12 UN 2B-GR8	HEX NUT, 1 1/2-12 UNF	ZINC COATED Gr. 8 STEEL	27

ISSUED FOR JOB NO. 978
OCT 26 2006
BY PRODUCTION

0938-6001-01	2
~~0828-6001-01~~	~~2~~
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS XX ± .02 ANGLES ±1/2°
XXX ± .005
REMOVE SHARP EDGES AND BURRS
MATERIAL: SEE PARTS LIST
FINISH: 125
APPROX. WEIGHT, LBS: 1344
DO NOT SCALE DRAWING

CUSTOMER PO No.		
APPROVALS		DATE
DRAWN	DNS	27AUG03
DRAFTING CHECK	PLL	05SEP03
ENGINEERING CHECK	AOH	5Sep03
ENGINEERING APPROVAL		5SEP03
PRODUCTION APPROVAL		5Sept03
DYNACON JOB No.	~~0828~~ 0938	

SR 17 Oct 06

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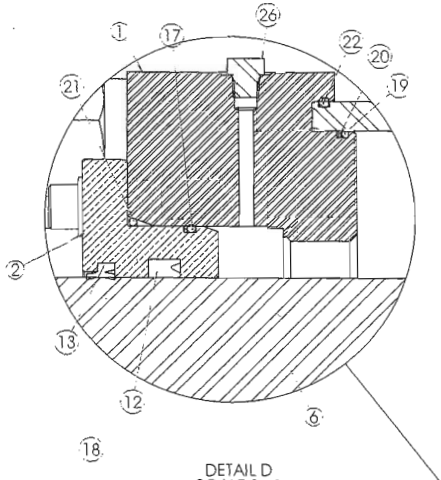
DYNACON, INC.
831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

A-FRAME LUFF CYLINDER

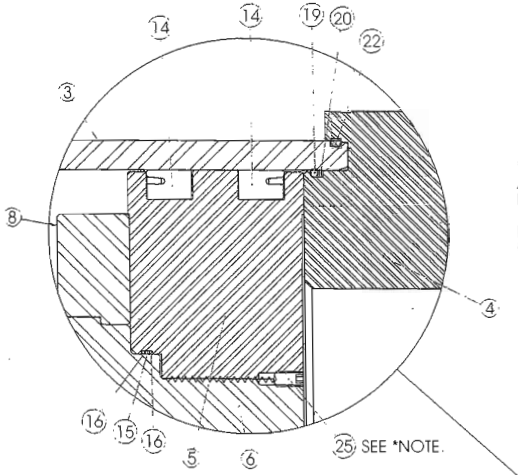
SIZE	DWG. NO.	REV.
B	0938 ~~0828~~-5201-01	

SCALE 1:8 | CAD FILE: J:\0600-0899\0828\DWG\0828-5201-01.SLDDRW | SHEET 1 OF 2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

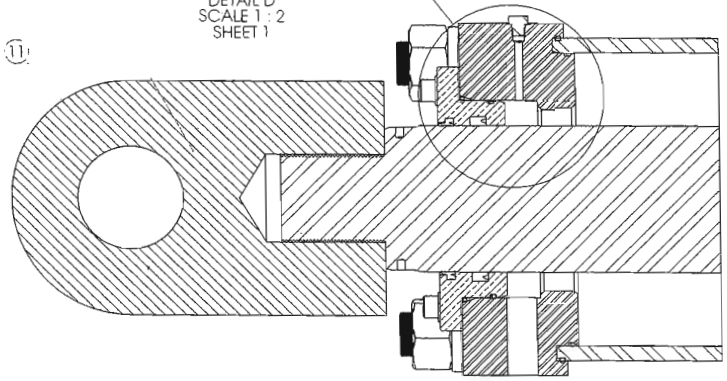


DETAIL D
SCALE 1 : 2
SHEET 1

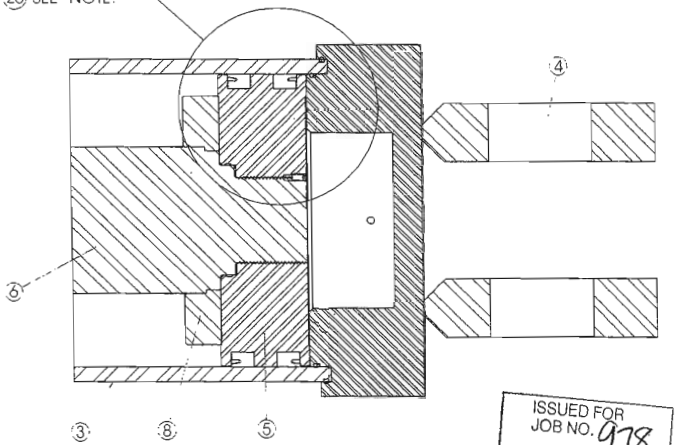


DETAIL E
SCALE 1 : 2
SHEET 1

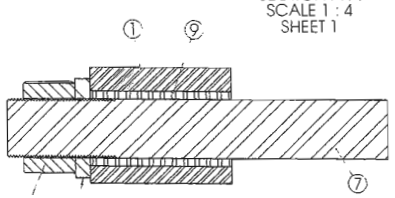
*NOTE:
ASSEMBLE PISTON (ITEM 5) TO ROD (ITEM 6),
RADIALLY DRILL # 7 (.201) x 1.125 DEEP
1/4-20 UNC x 1.000 DEEP
INSERT SET SCREW AND LOC-TITE IN PLACE.
PRIOR TO THE INSTALLATION OF THE ROD INTO
THE BARREL (ITEM 3).



SECTION A-A
SCALE 1 : 4
SHEET 1



SECTION C-C
SCALE 1 : 4
SHEET 1



SECTION B-B
SCALE 1 : 3
SHEET 1

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

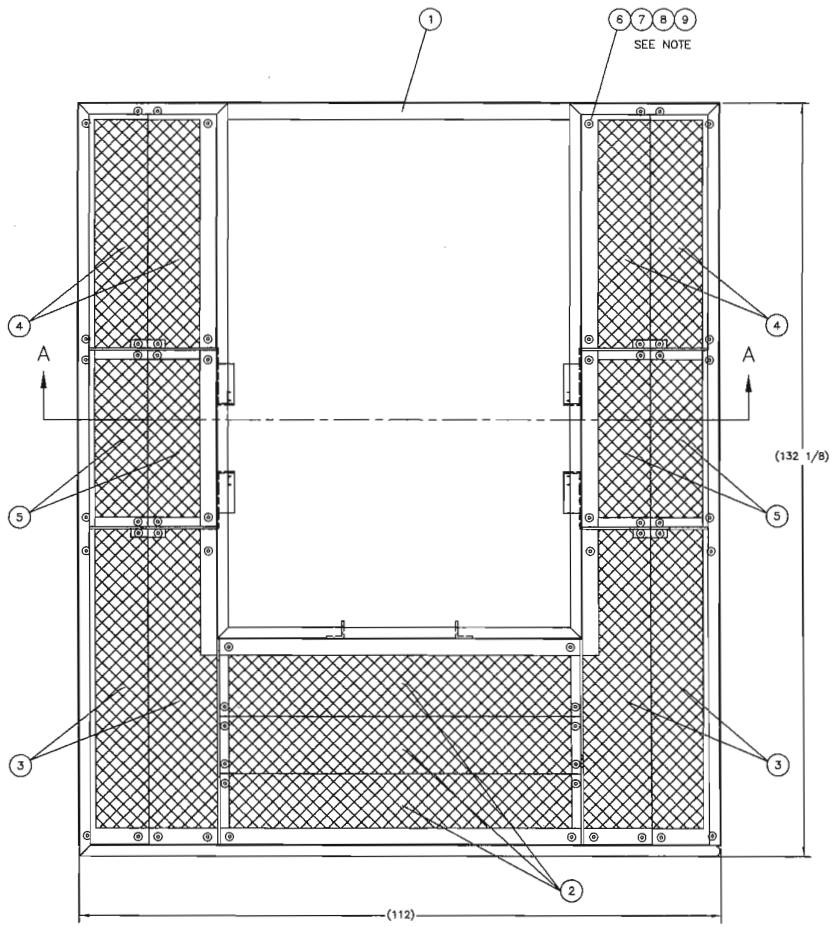
SE 17 OCT 06

978 0828

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2° REMOVE SHARP EDGES AND BURRS	CUSTOMER PO No.	DYNACON JOB No. 0828	DYNACON, INC. 631 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803
	APPROVALS	DATE	
	DRAWN DNS	27AUG03	
	DRAFTING CHECK	04SEP03	
MATERIAL SEE SHT. 1	ENGINEERING CHECK	4 SEP03	A-FRAME LUFF CYLINDER
FINISH 125 / APPROX. WEIGHT, LBS SEE SHT. 1	ENGINEERING APPROVAL	5 SEP03	SIZE B DWG. NO. 0828-5201-01 REV
DO NOT SCALE DRAWING	PRODUCTION APPROVAL	5 Sept 03	SCALE 1:8 CAD FILE: J:\0800-0899\0828\DWG\0828-5201-01.SLDDRW SHEET 2 OF 2

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NOTE: MATCH DRILL ø 3/8 TO ATTACH GRATING TO PLATFORM AS SHOWN.





SECTION A–A
SCALE: 1/10

ISSUED FOR
JOB NO. 978
OCT 26 2006
BY
PRODUCTION

ITEM NO.	QTY REQD	PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
1	1	0938–6007–18	DOCKINGHEAD PLATFORM WELDMENT	
2	3		GRIP STRUT, 11 3/4" x 2" x 62" Lg.	McNICHOLS
3	4		GRIP STRUT, 11 3/4" x 2" x 54 1/2" Lg.	McNICHOLS
4	4		GRIP STRUT, 11 3/4" x 2" x 42 1/2" Lg.	McNICHOLS
5	4		GRIP STRUT, 11 3/4" x 2" x 30 1/4" Lg.	McNICHOLS
6	60		HEX HEAD BOLT 5/16–18 UNC x 3 1/4 Lg.	S.S. 18–8
7	60		FENDER WASHER 5/16" x 1 1/2" FEND	S.S. 18–8
8	60		FLAT WASHER 5/16"	S.S. 18–8
9	60		SELF LOCKING HEX HEAD NUT 5/16–18 UNC	S.S. 18–8

PARTS LIST

18APR06

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
FRACTIONS ± 1/16 DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1/2°
REMOVE BURRS, BREAK SHARP EDGES.
MATERIAL SEE PARTS LIST
FINISH 125 APPROX. WEIGHT, LBS 1079
DO NOT SCALE DRAWING

CUSTOMER P.O. No. DYNACON JOB No. ~~0938~~ 978

APPROVALS	DATE
DRAWN LGH	13APR06
DRAFTING CHECK LLD	18APR06
ENGINEERING CHECK MPA	18APR06
ENGINEERING APPROVAL	20APR06
PRODUCTION APPROVAL	

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631 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

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A–FRAME
DOCKINGHEAD PLATFORM
ASSEMBLY

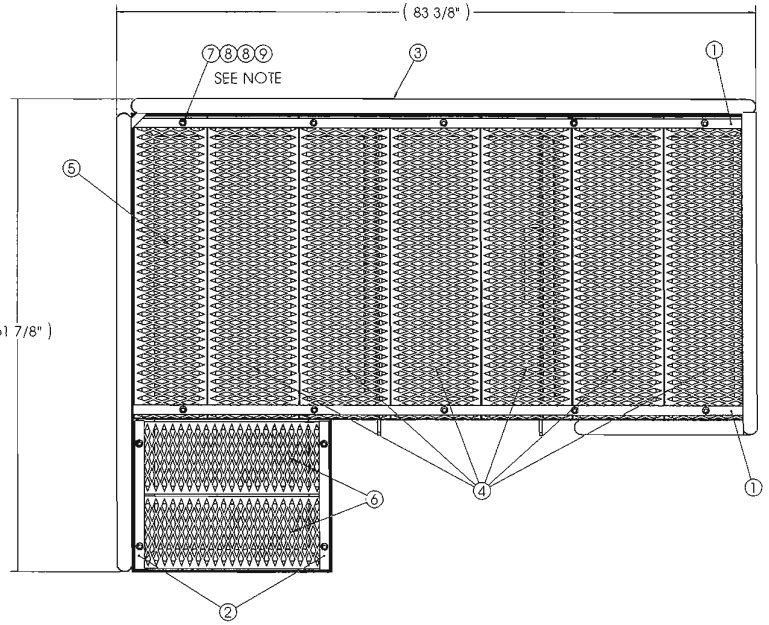
0938–6001–01	1
NEXT ASSEMBLY	QUANTITY
APPLICATION	

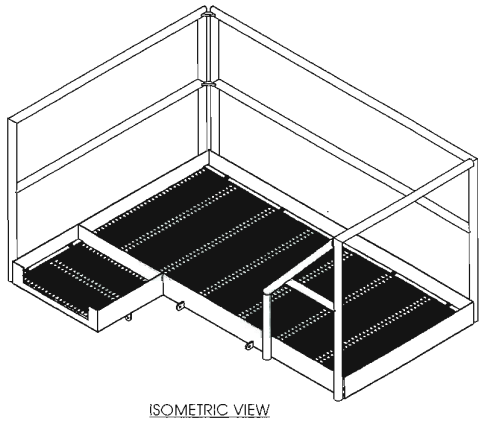
SIZE D | CAGE CODE 0FSD0 | DWG NO. 0938–6007–16 | REV
SCALE 1:10 | PATH J:\0938\0938DWG\0938–6007–16 | SHEET 1 OF 1

13APR06

NOTE: MATCH DRILL Ø3/8 TO ATTACH GRATING TO PLATFORM.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED





ISOMETRIC VIEW

ISSUED FOR
JOB NO. 978
OCT 31 2006
BY
PRODUCTION

QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
2	0938-6007-73A			1
2	0938-6007-73B			2
1	0938-6007-75	STATIONARY PLATFORM WELDMENT (RIGHT-HAND)		3
6	11.75x2grip-39.5in	GRIP STRUT, 11 3/4" x 2" x 39 1/2" Lg.	MCNICHOLS	4
1	9.5x2grip-39.5in	GRIP STRUT, 9 1/2" x 2" x 39 1/2" Lg.	MCNICHOLS	5
2	9.5x2grip-25.25in	GRIP STRUT, 9 1/2" x 2" x 25 1/4" Lg.	MCNICHOLS	6
14	HHB5.16-18_3LG	HEX HEAD BOLT, 5/16-18 UNC x 3" Lg.	S.S. 18-8	7
28	FW5.16	FLAT WASHER, 5/16"	S.S. 18-8	8
14	HNRSL5.16-18	HEX NUT, SELF LOCKING 5/16-18 UNC	S.S. 18-8	9

18OCT06

0938-6001-01	1
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS XX ± .02 ANGLES ±1/2°
XXX ± .005
REMOVE SHARP EDGES AND BURRS
MATERIAL: SEE PARTS LIST
FINISH: 125 APPROX. WEIGHT LBS: 386
DO NOT SCALE DRAWING

CUSTOMER PO No	REVISION 978 ~~0938~~
APPROVALS	DATE
DRAWN LGH	18APR06
DRAFTING CHECK	19APR06
ENGINEERING CHECK MPH	19APR06
ENGINEERING APPROVAL	20APR06
PRODUCTION APPROVAL	20APR06

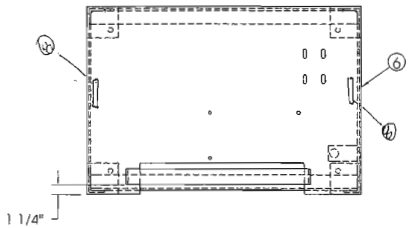
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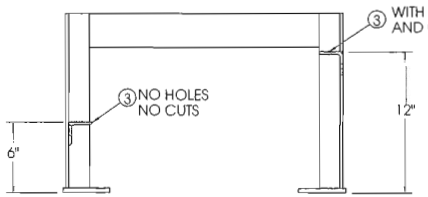
DYNACON, INC.
831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA-77803

A-FRAME STATIONARY PLATFORM ASSEMBLY (RIGHT-HAND)

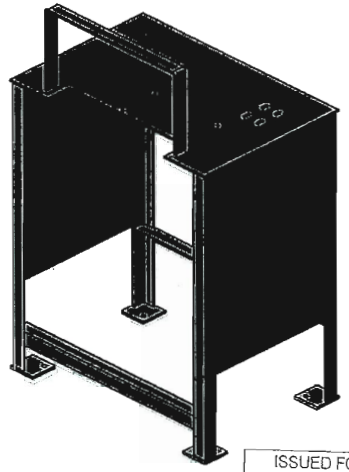
SIZE B | DWG NO 0938-6007-72 | REV.
SCALE 1:15 | CAD FILE: 0938DWG\0938-6007-72 | SHEET 1 OF 1
PLOT DATE: 4/19/2006

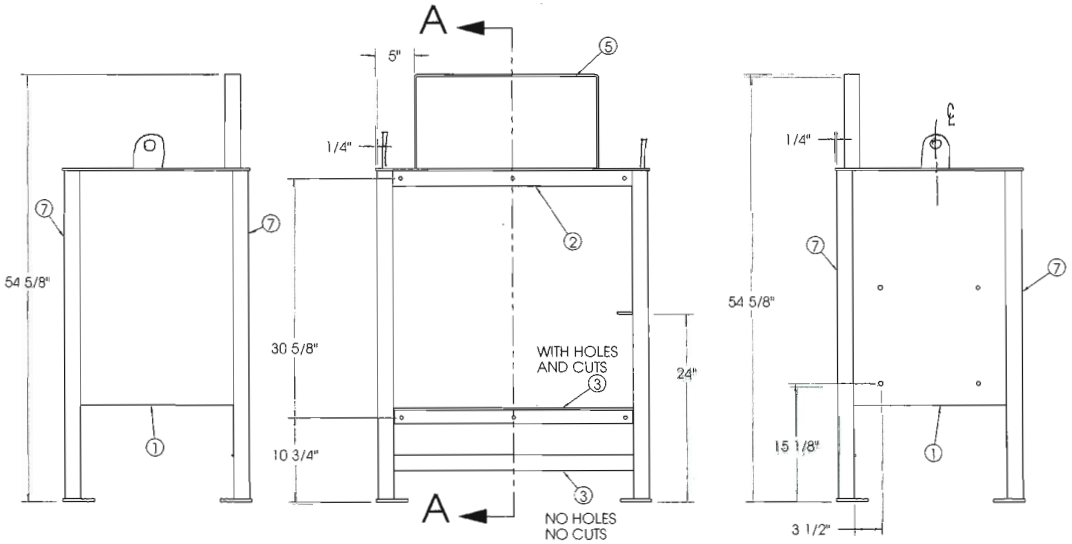
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

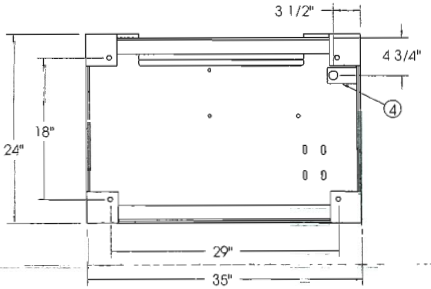




SECTION A-A
SCALE 1 : 10







ISSUED FOR
JOB NO. 978
OCT 26 2006
BY PRODUCTION

QTY.	PART NO.	DESCRIPTION	MATERIAL	ITEM NO.
2	0828-8006-10A	PLATE (SEE DETAIL SHT. 2)		1
1	0828-8006-10B	FLAT BAR (SEE DETAIL SHT. 2)		2
2	0828-8006-10C	ANGLE (SEE DETAIL SHT. 2)		3
1	0828-8006-10D	FLAT BAR (SEE DETAIL SHT. 2)		4
1	0828-8006-10E	FLAT BAR (SEE DETAIL SHEET 2)		5
1	0828-8006-11	TOP PLATE		6
4	M7021-8006-12	CONSOLE LEG		7
2	0828-8006-10H	FLAT BAR (SEE DETAIL SHT. 2)		8

8/2006 11/14/08

0828-8006-09	1
NEXT ASSY	QUANTITY
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/16 DECIMALS .XX ± .02 .XXX ± .005 ANGLES ±1/2°
REMOVE SHARP EDGES AND BURRS
MATERIAL: SEE PARTS LIST
FINISH: 125
APPROX. WEIGHT, LBS: 216
DO NOT SCALE DRAWING

CUSTOMER PO No.	DYNACON JOB No.	0828
APPROVALS	DATE	
DRAWN AL		29OCT03
DRAFTING CHECK		31OCT03
ENGINEERING CHECK		31 OCT 03
ENGINEERING APPROVAL		31OCT03
PRODUCTION APPROVAL		31oct03

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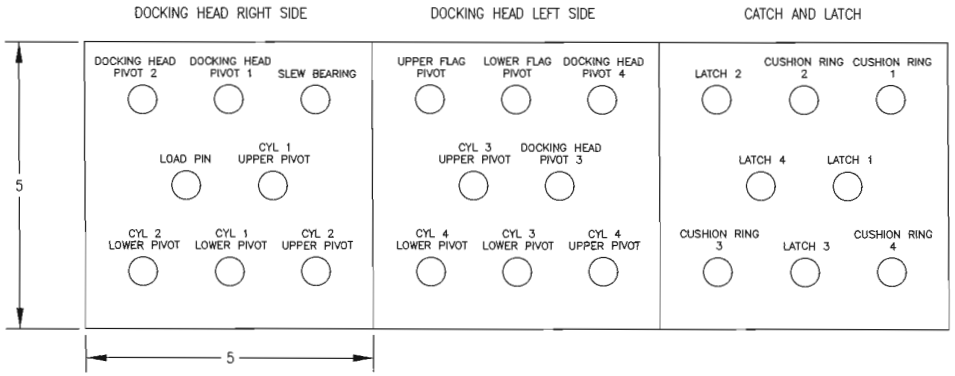
DYNACON, INC.
831 INDUSTRIAL BLVD.
BRYAN, TEXAS USA 77803

A-FRAME HYDRAULIC CONSOLE FRAME WELDMENT

SIZE	DWG. NO.	REV.
B	0828-8006-10	

SCALE 1:15 | CAD FILE: 0828DWG\0828-8006-10 | SHEET 1 OF 2
PLOT DATE: 10/31/2003

NOTE: TEXT SIZE IS 3/16" MINIMUM



AutoCAD LAYERING CONVENTION			
LAYER NAME	DESCRIPTION	TOOL SIZE	DEPTH
010	3/32" TEXT	.010"	.012"
020	1/8" TEXT	.020"	.012"
025	3/16" TEXT	.025"	.012"
040	1/4" TEXT	.040"	.012"
HOLE	PANEL CUTOUT HOLE	N/A	N/A
HOLE_CEN	HOLE CENTER POSITIONS	.040"	.012"
DISPLAY_HOLE	ENGRAVED CUTOUT HOLES	.025"	.005"

ISSUED FOR
JOB NO. 978
NOV 17 2006
BY
PRODUCTION

LGH 16NOV06

978

		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/16 DECIMALS .XX ± .XXX ± ANGLES ± REMOVE BURRS, BREAK SHARP EDGES. MATERIAL RED PLASTIC WHITE LETTERS FINISH ✓ WEIGHT, LBS	CUSTOMER P.O. No. DYNACON JOB No. 924	THIS DRAWING IS THE PROPERTY OF DYNACON, INC. 831 INDUSTRIAL BLVD. BRYAN, TEXAS USA 77803	ANY REPRODUCTION OR USE OF THIS DESIGN IS EXPRESSLY FORBIDDEN UNLESS AUTHORIZED IN WRITING.
			APPROVALS	DATE	
			DRAWN WAK	25JUL06	REMOTE GREASE FITTING ID TAGS
			DRAFTING CHECK LGH	31JUL06	
			ENGINEERING CHECK MP17	31JUL06	
NEXT ASSEMBLY	1 SET QUANTITY		ENGINEERING APPROVAL		SIZE D CAGE CODE OFSDO DWG NO. 0924-8008-05 REV –
APPLICATION		DO NOT SCALE DRAWING	PRODUCTION APPROVAL	25JUL06	SCALE 1/1 PATH DWG\0924-8008-05 SHEET 1 OF 1