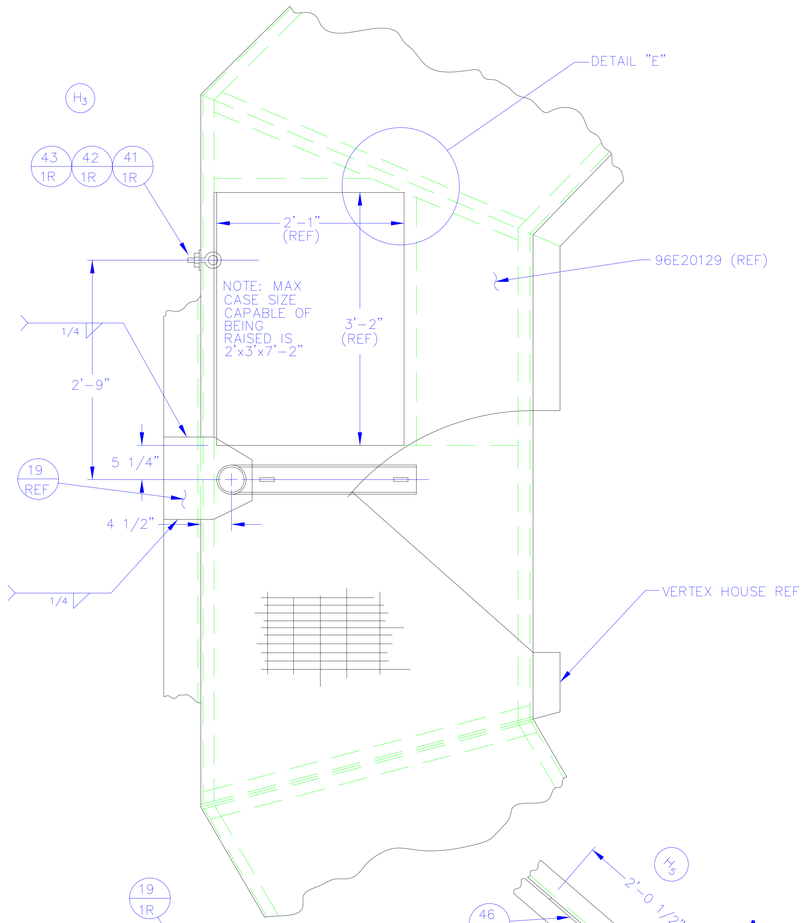
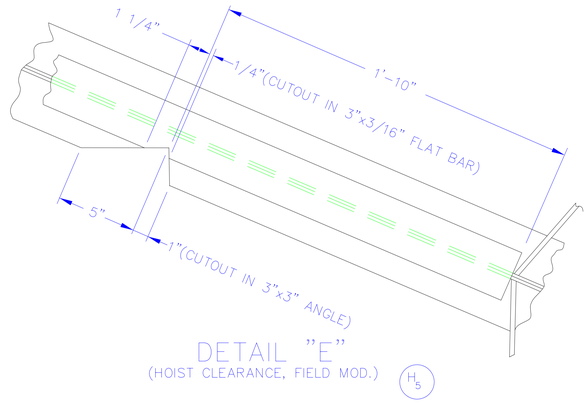
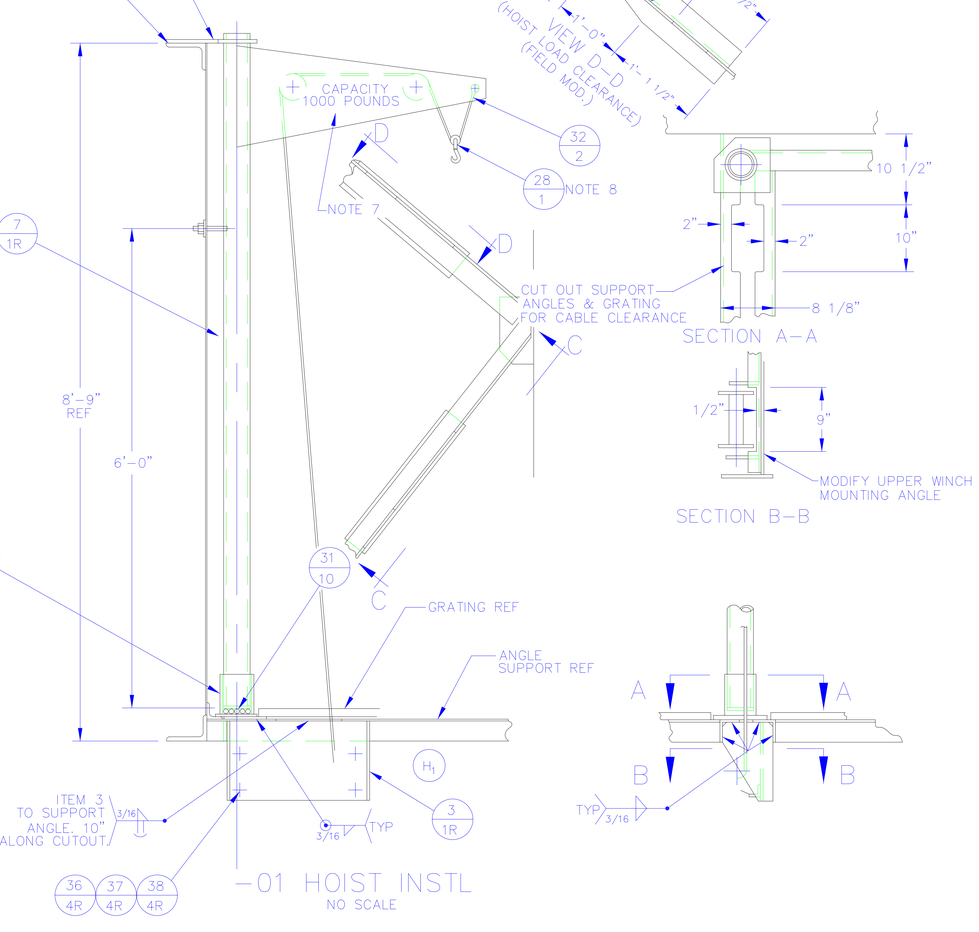




DETAIL "E"
(HOIST CLEARANCE, FIELD MOD.) H5

NOTES:
1. MATERIAL: ASTM A-36 STEEL OR EQUIV.
2. WELD PER E-SYSTEMS SPEC 96E20226
3. FINISH PER E-SYSTEMS SPEC 96E20227
4. CAD. PLATE PER BEST COMMERCIAL PRACTICE
5. MAY BE PURCHASED FROM McMASTER-CARR P.O. BOX 4355 CHICAGO, ILLINOIS 60680
6. MAY BE PURCHASED FROM CROSBY-LAUGHLIN FT. WAYNE, IND. 46801
7. LETTERING TO BE AS SHOWN IN NORMAL BLOCK HEIGHT 1½", COLOR RED
8. DISCARD HOOK PROVIDED WITH ITEM 34 AND REPLACE WITH ITEMS 32, 28 & 48
9. WINCH TO BE SUPPLIED COMPLETE WITH 120FT x ¼"ø 7x19 GALVANIZED RIGHT REGULAR LAY WIRE ROPE. McMASTER CARR #3450T43

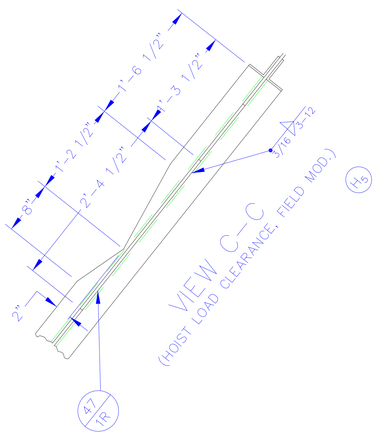
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	1. CALCULATED WEIGHT OF 283 LBS WAS 240		
	B	1. REVISED & REDRAWN		
	C	1. REVISED SHT 2 2. REVISED -11 IN L/M 3. REVISED OPENING IN F/D		
	D	1. REVISED SHT 2		
	E	1. REVISED SHT 2 2. ADDED ITEM 39 & 40 TO L/M		
	F	1. REVISED LENGTH OF ITEM 35 IN L/M		
	G	1. REVISED ITEM 34 IN L/M		
	H	1. REVISED WINCH LOCATION 2. CHANGED CABLE TO ¼" DIA 3. ADDED EYEBOLT 4. REVISED SHT 2 5. ADDED DETAILS OF FIELD MOD FOR HOIST CLEARANCE		
	I	1. REVISED NOTES 8 & 9. 2. CAPACITY 1000# WAS 1500# 3. DET. 32 WAS (2) G450-1/4 CLIP 4. ADDED DET 48	7/24/07	JRR
	J	ADDED ITEMS #50-54, REVISED Sh 2	9/24/07	JRR



-01 HOIST INSTL
NO SCALE

SECTION A-A

SECTION B-B



VIEW C-C
(HOIST LOAD CLEARANCE, FIELD MOD.) H5

					54	93827A211	JAM NUT	McMASTER CARR	1
					53	92501A029	LOCK NUT	McMASTER CARR	1
					52	91286A111	1/4-20x1 HHCS	McMASTER CARR	1
					51	4" HOOK #16-4632	IVES GATE HOOK	ACE HARDWARE	1
					50	CATALOG #415	ANCHOR DEE BOLT	MILLER CONNECTORS	1
					49				
				1	48		HEADACHE BALL	9690138	
				1	47	-47	SPACER	PL 3 1/2x3/16x2'-4 1/2"	1
H5				1	46	-46	SPACER	PL 3 1/2x3 16x2'-0 1/2"	1
					45				
					44				
				1	43		WASHER	3/4"I.D. STEEL	4
H3				1	42		NUT	3/4-10UNC-2B STEEL	4
				1	41	3014T52	EYEBOLT (SHOULDER)	3/4"THRD, 1 1/2I.D. 2 13/16"O.D.	4,5
		2			40		WASHER	FOR 1/4" BOLT STEEL	4
		2			39	¼-10UNC x 7¼"	BOLT-HEX HD	STEEL	4
				4	38		HEX NUT	3/8-16 UNC	4
				4	37		WASHER	3/8I.D. STEEL	4
				4	36		HEX HD BOLT	3/8-16 UNC x 1 1/2" LG	4
					35				
H2				1	34	100A	WINCH	MY-TE PRODUCTS, INDIANAPOLIS, IN	9
					33				
				2	32	3897T9 1/4ø COPPER	COMP. SLEEVE	McMASTER CARR	6
				10	31	9528K24	BALLS (½" DIA)	CHROME	5
		2			30	4-G-¼	SHEAVE	BRONZE BRUSHED	6
		1			29	G414-5/16-GALVANIZED	THIMBLE		6
				1	28	HF 3 SWIVEL HOOK	HAY FORK PULLEY		6
					27				
		3			26		HEX HD BOLT	1" DIAx7 1/4"LG A325 W/NUT	4
					25				
					24				
		6			23	-23	PIPE	1" DIA STD PIPE x 2 1/4" LG	1
		1			22	-22	PLATE	PL 1/4x6 5/8x2'-3 1/2"	1
		1			21	-21	PLATE	PL 1/4x6 5/8x3'-1 3/4"	1
		2			20	-20	PLATE	PL 1/4x1'-3"x3'-1 1/2"	1
				1	19	-19	PLATE	PL 3/8x1'-0"x1'-2 1/4"	1
			1		18	-18	PLATE	PL 1/4"12"x1'-9"	1
			2		17	-17	BAR	PL 1/4"x7 5/8"x1'-0"	1
					16				
		1			15	-15	CLOSURE	PL 1/4"x0'-4 3/4"x0'-4 3/4"	1
					14				
					13				
		1			12	-12	MAST	5.560.D.x.375Wx8'-5 1/2" EXTRA STRONG PIPE	1
			1		11	-11	PLATE	PL 1/4"x0'-8"x0'-8"	1
			1		10	-10	PIPE	6 5/80.D.x.280Wx5 3/4" STD PIPE	1
					9				
					8				
	X			1	7	-07	MAST ASSY		
	X				6				
	X			1	5	-05	SUPPORT ASSY		
					4				
		X			3	-03	BRACKET ASSY		
					2				
		X			1	-01	INSTL.		
-07	-05	-03	-01	ZONE	ITEM	CODE IDENT NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL AND FINISH OR NOTE OR REF DESIGN
QUANTITY REQUIRED									

CALCULATED WEIGHT OF STRUCTURAL STEEL ITEMS 10 THRU 23 ONLY FOR ONE -01 ASSY = 283 LBS

QTY PER MAJOR ASSY	NEXT ASSEMBLY	USED ON
1 OF -01	96E20011	96E20000

UNLESS OTHERWISE SPECIFIED
TOLERANCES ON: 2 PLACE DEC ±.02 FRACTIONS ±1/16 3 PLACE DEC ±.010
ANGLES MACHINED ±0° 15' FORMED ±1° SHEARED ±0° 30'
HOLE TOLERANCE PER ANSI 15387
SURFACE ROUGHNESS PER ANSI-ASME-1 MACHINED SURFACE FINISH 'M'
DIMENSIONING AND TOLERANCING PER USAS-Y14.5
ECCENTRICITY BETWEEN ANY DIA'S ON THE SAME CENTERLINE SHALL NOT EXCEED 0.10 TOTAL INDICATOR READING
ALL DIM. IN INCHES & INCLUDE APPLIED FINISH
WELD SYMBOLS PER USAS-Y32.3
FINISH PER MIL-STD-10
RADIUS PER MIL-STD-22D
MARK PER MIL-STD-12D
REMOVE ALL BURRS AND SHARP EDGES
SPECIFICATIONS:

PROJ ENGR	J.R. LOUCKS	4-27-74
	L.D. CLARK	4-30-74
	CROSSLEY	8-26-74
COMP ENGR		
MATL PROC ENGR		
DRFCT	MTS	R.H.M. 4-22-74
GROUP APP		
CHECKED BY	WILKINSON	8-21-74
DRAWN BY	D. McBROOM	3-26-74
ENGR GROUP	4-27100	

E SYSTEMS INC.
Garland Division
P.O. BOX 6118 • DALLAS, TEXAS • 75222 TELEPHONE (214)276-7111

HOIST INSTL-VERTEX PLATFORM V.L.A.

SIZE	CODE IDENT NO.	
E	97871	96E20128
SCALE 1/10 & NOTED	REV J	SHEET 1 OF 2

C:\Documents and Settings\jrl\ARKHO\Desktop\96E20128 HOIST INSTALLATION VERTEX PLATFORM SHEET 1.dwg, 9/24/2007 11:24:27

File#: 92 E=145-1/1; Scan by Bengal CAD Services, Houston, Texas; Phone: (713)870-1555