

BILL OF MATERIAL
MATERIAL FOR ONE

A ₃ REQ'D	A ₂ REQ'D	A ₁ REQ'D	PART No.	PART	MATERIAL
		X	1	MANDREL	PIPE LOWERING ASS'Y.
	X	1	2	LOWERING	ARM ASS'Y.
		1	3	SHAFT	C.R.S. C-1018
		4	4	SET SCREW	$\frac{3}{8}$ "-16 x $\frac{1}{2}$ " LG. SOCKET HEAD
		2	5	BRACKET	TOMKINS-JOHNSON Co. # SM-478
		8	6	BOLTS	$\frac{3}{8}$ "-16 x 1" LG. SOCKET HEAD
		1	7	HYDRAULIC CYLINDER	T.-J. Co. CUSHIONED, # LSM-3 4" BORE, 1 $\frac{1}{4}$ " STROKE
		1	8	CLEVIS	TOMKINS-JOHNSON Co. # SM-462
	2		9	PLATE	H.R.S. C-1020
	1		10	PLATE	↑
	1		11	PLATE	↑
	1		12	PLATE	↓
	2		13	PLATE	H.R.S. C-1020

SUPERSEDES 8296 REVO DATED 12-22-60

7	411	REFER TO DWG #17E-8291	R.W.L.	3-21-61
PLANT No.	EWA	REF. DWG. No. & REMARKS	BY	DATE
S. A. No.	KEASBEY & MATTISON CO.			SYMBOL
JOB No.	AMBLER, PA. CENTRAL ENGINEERING DEPARTMENT			EWA-411
MANDREL PIPE LOWERING ASSEMBLY 13" PIPE MACHINE A.C. PIPE				
DR. R.W.L.	APP. G.W.Z	CK. G.W.Z	APP.	DATE MAR. 21, 1961
THIS DRAWING IS THE PROPERTY OF AND MUST NOT BE USED IN ANY MAN- NER DETRIMENTAL TO			PRINT ISSUED	SCALE A.S. NOTED
KEASBEY & MATTISON CO. IT IS ONLY LOANED SUBJECT TO RE- CALL AT ANY TIME			ISSUE	DWG. No. 8296

V.L. 3-21-61
DATE