



SERVICE MANUAL INDEX

CLASS

6055

PLANT

SMYRNA

PRODUCT ORIGINATOR

JOE MOEKER

DATE

JUNE, 1986

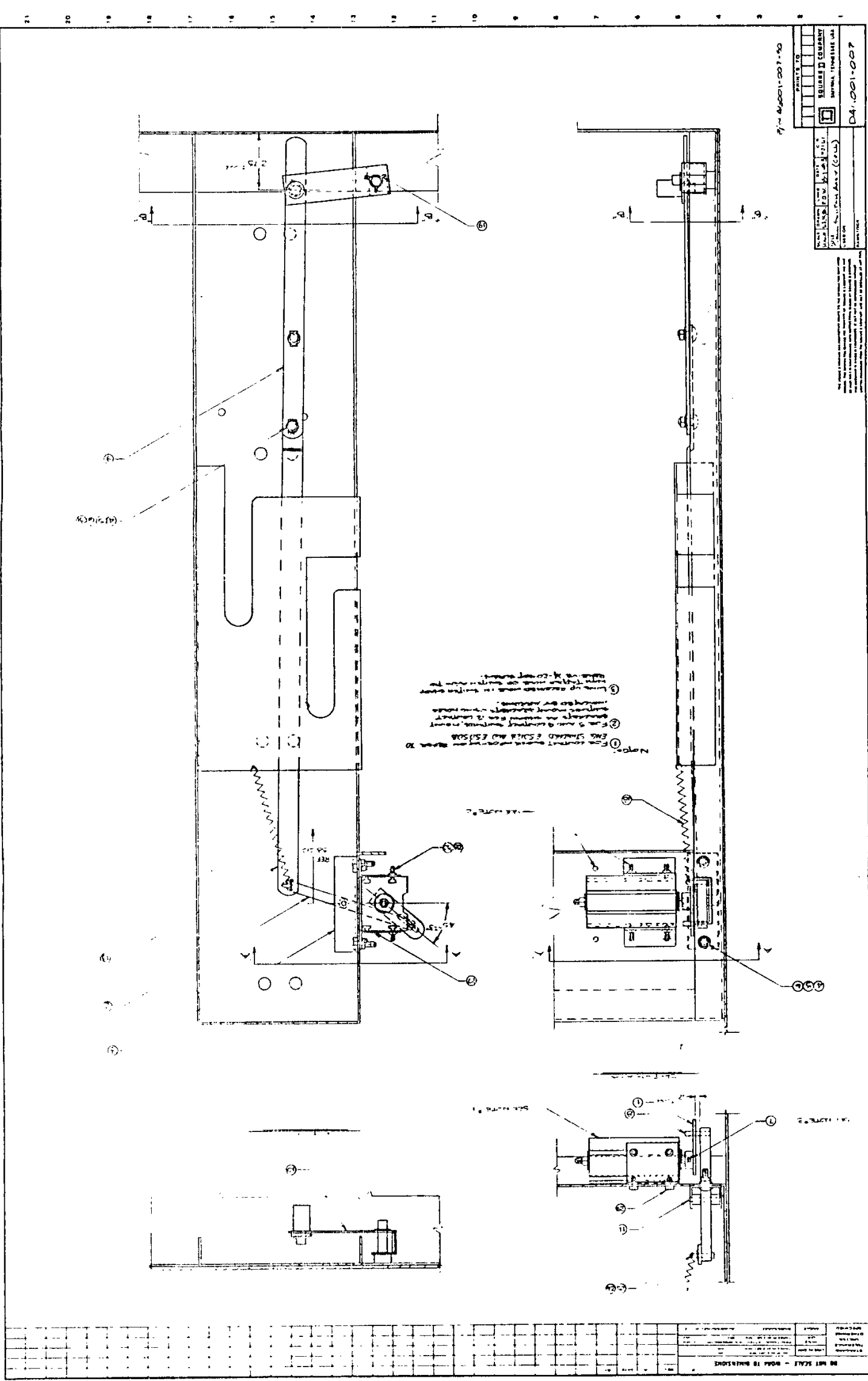
TYPE & FORM

	DESCRIPTION	DOCUMENT NUMBER	DATE
8.	<u>Drawings & Typical Bill of Materials</u>		
	TOC - Switch Assembly - Cell	46001-007	05/85
	MOC - Switch Assembly - Cell	46001-010	08/85
	MOC - Switch Assembly - Truck	46001-011	07/85
	Shutter Sub Assembly	46001-108	11/85
	Cell Switch Assembly - Truck	46001-125	06/84
	Breaker Cell Assembly	46001-282	09/85
	Switchgear - Sheetmetal Assembly	46001-324	08/85
	MOC Switch Link Weldment	46001-363	11/83
	Breaker - Common Parts Assembly	46001-430	07/85
	Breaker - Racking Mechanism	46001-431	05/84
	Breaker - Interlock Assembly	46001-432	07/85
	Breaker - Secondary Plug Assembly	46001-433	05/85
	Breaker - Bottle & Linkage Assembly	46001-438	08/85
	Opening Spring Assembly	46001-446	02/85
	Breaker - Assembly	46001-448	08/85
	Breaker Guide Rail Weldment	46001-458	05/84
	Crank Rod Weldment	46001-463	05/84
	Code Plate	46001-486	11/84
	Main Bus Assembly	46001-593	11/84
	Feeder Bus Assembly	46001-594	04/85
	Feeder Bus Assembly	46001-595	04/85
	Tie Bus Assembly	46001-596	04/85
	Tie Bus Assembly	46001-599	04/85
	Latch Check Switch Assembly	46001-628	02/86
	5th Wheel Assembly	46001-632	02/86
	Charging Handle	46001-779	12/84
	Harness	46001-793	12/84
	Breaker Key Interlock Mtg.	46001-797	03/85
	Spring Reference Drawing	46001-940	05/85
	FG-2 Bottle Identification	46001-942	06/85
	FG-2 Breaker Schematic	46002-200	01/85
	PT Truck Assembly	46002-284	11/85
	CPT Truck Assembly	46002-285	12/85
	Switchgear Greasing Instruction	46002-286	11/85
	Fuse Truck Assembly	46002-290	04/86
	FG-2 Breaker Schematic w/Latch Check Switch	46002-363	
	Lift Truck Assembly	46002-364	12/85
	FG-2 Breaker - Mechanical	46002-504	06/86

SQUARE D COMPANY

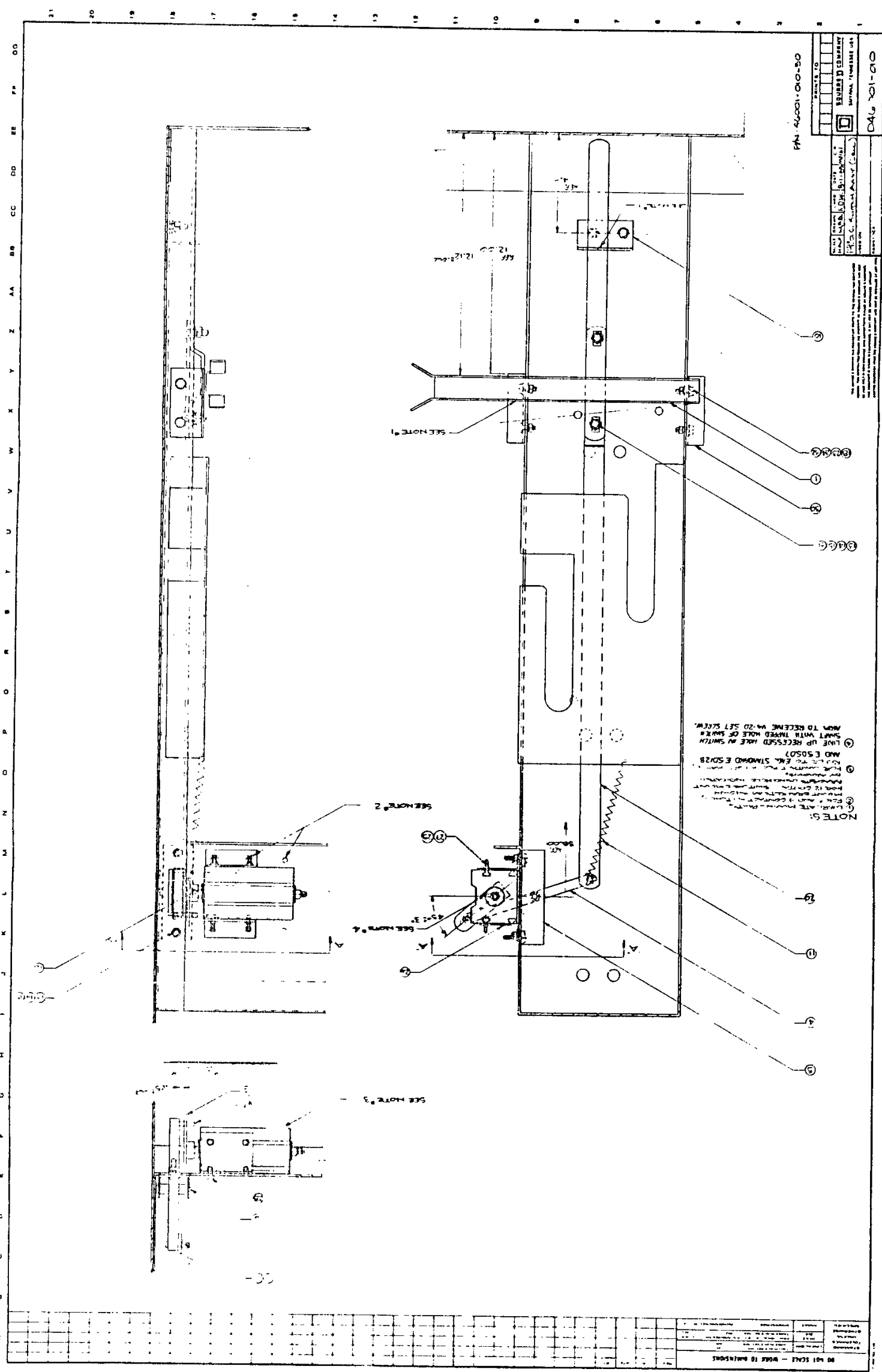
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2	44061-130-50	1																				
3	46001-364-01	1																				
4	22720-24320	2			4																	
5	23701-00240	2			4																	
6	23002-00240	2			4																	
7	21727-20120	1																				
8	24209-16400	1																				
9	46001-332-01	1																				
10	46001-296-50	1																				
11	46001-264-01	1																				
12	1579-204630	1	A	0																		
13	46001-269-01	1																				
14	44065-038-52	1	0																			
15	21423-20200	4		0																		
16	46001-273-01	2		0																		
17	21404-20320	2			0																	
18	A46001-365-01	1																				
19	29929-00002	2	0		2																	
20	23201-00200	2	0																			
21	21401-20400	1	0																			
22	23601-00200	8	4		0																	
23	23002-00200		2		0																	
24	23701-00200		2		0																	
25	46001-358-01		1																			
26	29929-10013		1																			
27	46001-493-01			2																		
28	44060-337-50			2																		
29	21490-20160			4																		

X



EM	PART NO.	NEW									DESCRIPTION	REV	RELEASED ON			REV	RELEASED ON			REV	RELEASED ON		
			A	B	C	D	E	F	G	H			C.R. NO.	DATE	BY		C.R. NO.	DATE	BY		C.R. NO.	DATE	BY
1	B46001-363-50	1									M.O.C. SWITCH LINK WELDMENT												
2	A46001-361-50	1	0								SHORT PIVOT LINK WELDMENT												
3	B44061-132-50	1									SWITCH ARM W.A.												
4	B44061-130-50	1									SWITCH LINK - SHORT W.A.												
5	B46001-364-01	2	1								PIVOT CHANNEL												
6	A46001-264-01	1									PIVOT PIN												
7	1579-204690	1	4	0							AUX. SWITCH BLOCK PAD (CORK GASKETING)												
8	B46001-273-01	2		0							SWITCH MTG. BKT. VOID												
9	A46001-358-01	1									M.O.C. SWITCH LINK COIN. PIN												
10	A46001-357-01	1									M.O.C. SWITCH LINK BRACKET												
11	A46001-365-01	1									LEE EXTENSION SPRING #LE-049D-15												
12	29929-00002	5	0								#9000-16 STANDARD X-WASHER 1/2"												
13	22720-24320	4	2		4						3/8-16 x 1" LG. CARRIAGE BOLT												
14	23701-00240	4	2		4						3/8 LOCK WASHER												
15	23002-00240	4	2		4						3/8-16 HEX NUT												
16	21727-20120	1									1/4-20 x 3/8 LG. SET SCREW												
17	24209-16400	1									.250 DIA X 1.250 LG. ROLL PIN												
18	21423-20200	4		0			4				1/4-20 x 3/4 LG. HEX WASH. & HEX. SCREW												
19	44065-058-50	1	0								AUX. SWITCH BLOCK (5 COIN.)												
20	46001-269-01	1									SWITCH LINK												
21	21404-20320	2	5		0						1/4-20 x 1" LG. HEX HEAD SCREW												
22	23201-00200	2	1		0						1/4-20 LOCK NUT												
23	23601-00200	8			0		4				1/4 PLAIN FLAT WASHER												
24	23701-00200		5		0		4				1/4 x 1/4 FEDERAL STAG.												
25	29929-10013		1								"X" WASHER 1/4 SIZE												
26	46001-493-01			2							SWITCH MTG. BKT.												
27	41065-337-50			2		0					CELL SWITCH RETAINER												
28	21490-20160			4	8		4				SCREW - S.TAP. 1/4-20 x 1/2 LG.												
29	23201-00170			4							HEX LOCK NUT NYLON INSERT #10-32												

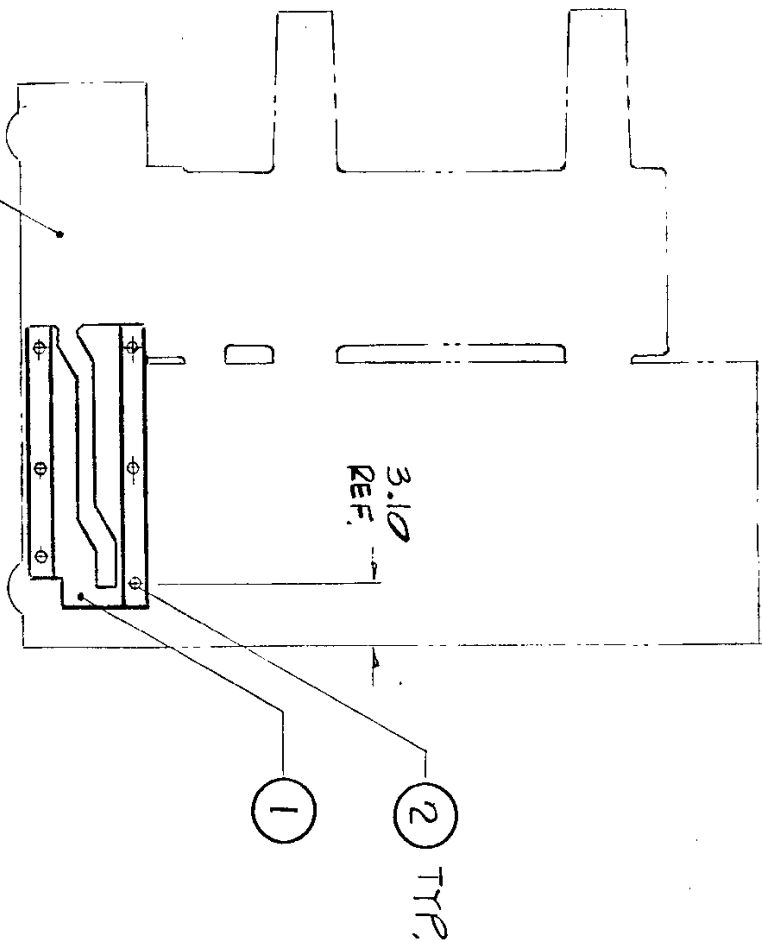
X



x

[illegible]

x



BREAKER TRUCK
ASSY. REF.

P/N 46001-125-50

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HEREON. THIS INFORMATION REMAINS THE PROPERTY OF SQUARE D COMPANY AND MAY
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WRITTEN PERMISSION FROM THE SQUARE D COMPANY, AND MAY BE RECALLED AT ANY TIME.

DO NOT SCALE - WORK TO DIMENSIONS

STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINICAL DIM.	TWO PLACE DECIMAL THREE PLACE DECIMAL	$\pm .020$ $\pm .008$
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL	$+ .004$ $- .008$
	ANGLE	DIMENSIONED $\pm 1^\circ$	UNDIMENSIONED $90^\circ \pm 2^\circ$

SCALE	DRAWN	CHKD.	DATE	C.M.
—	O.L.		6.11.84	M0079

TITLE CELL SW. ASSY - TRUCK

USED ON

RAWSTOCK

N.A.

 **SQUARE D COMPANY**
SMYRNA, TENNESSEE USA

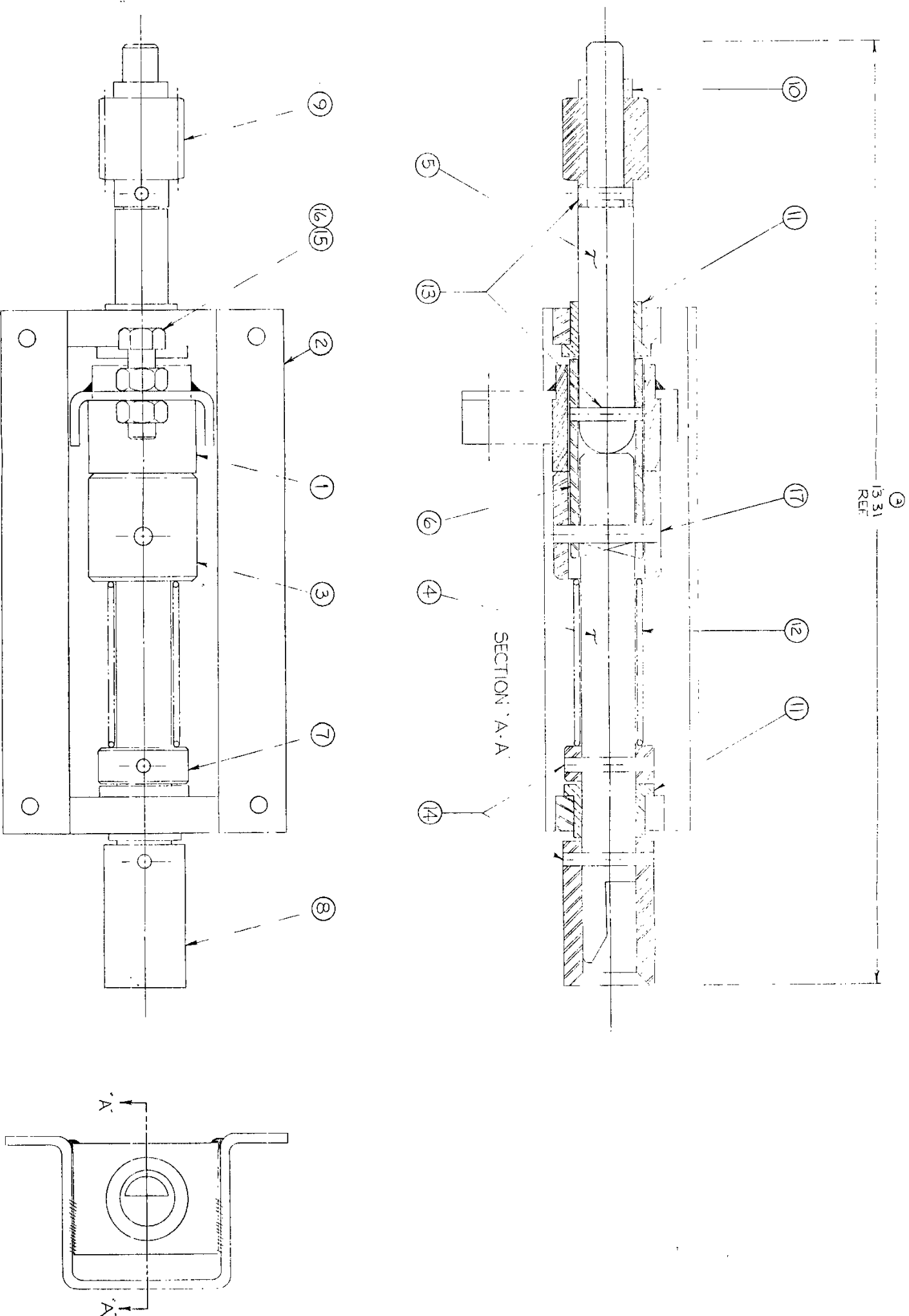
A46001-125

PRINTS TO

A B C D E F G

FORM NO. 217

DO NOT SCALE - WORK TO DIMENSIONS															
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM	TWO PLACE DECIMAL $\pm .020$ THREE PLACE DECIMAL $\pm .002$		HOLE DIA.	FRACTIONAL, LETTER OR NUMBERED DRILL + THREE PLACE DECIMAL $\pm .002$		ANGLE	DIMENSIONED $\pm 1^\circ$		UNDIMENSIONED $90^\circ \pm 1^\circ$		REV.	C. N.	DATE	BY
												(A)	M0104	11-26-84	RDLW



LUBRICATE WITH MOBILUX EP-2 GREASE
MOBIL OIL - W81082DW 1615-1

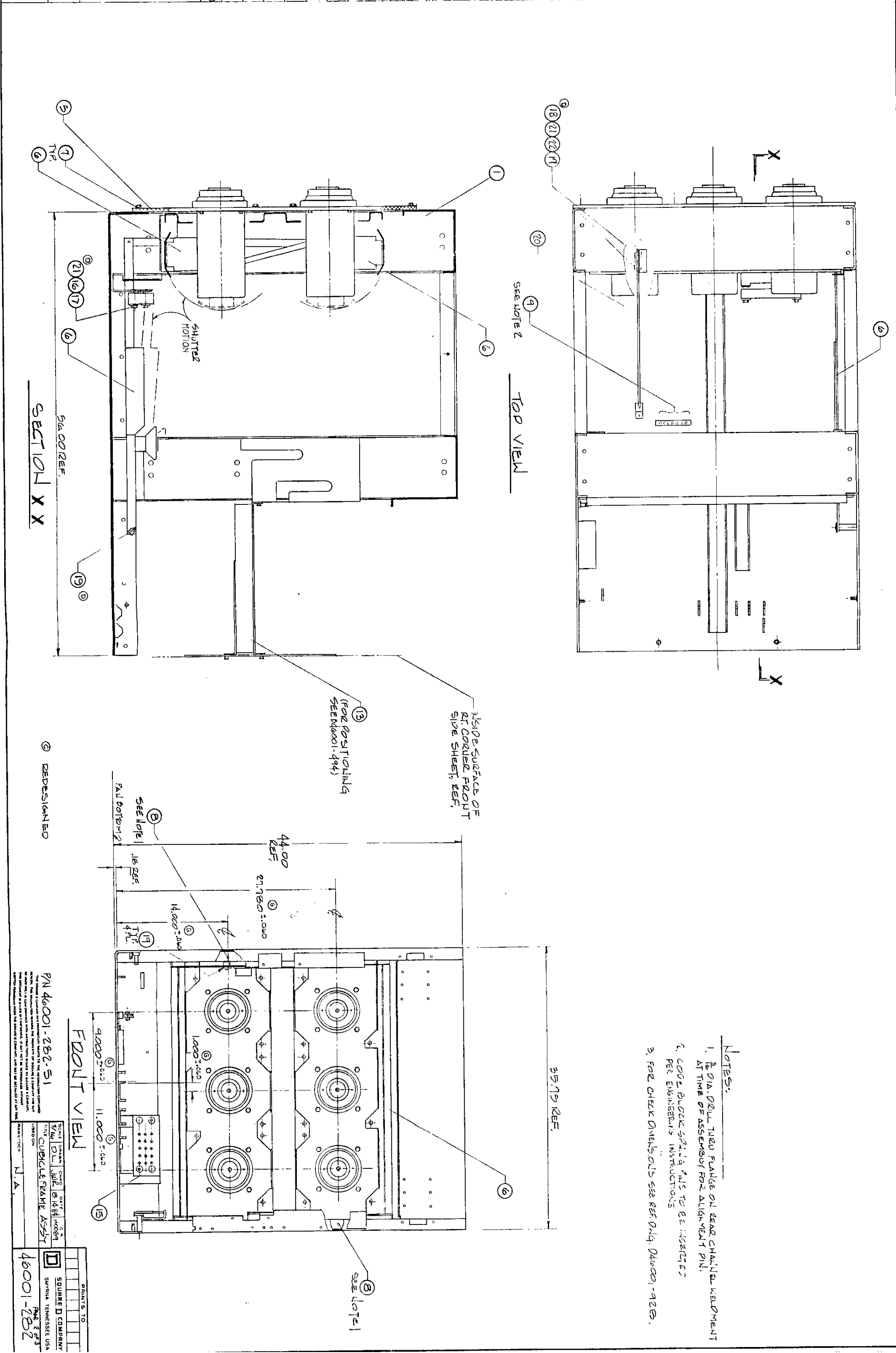
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DATE	12-29-84	DATE	12-29-84	DATE	12-29-84
BY	WNS	BY	PCW	BY	WNS
TITLE CLUTCH DRIVE SUB-ASSY					
USED ON 46001-431-50					
DRAWN BY SEE DETAILS					
P.N. 46001-167-50					
PRINTS TO					
SQUARE D CO SMITH, TENNESSEE					
C46001-16					

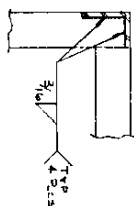
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			A	B	C	D	E	F	G	H			C.R. NO.	DATE	BY		C.R. NO.	DATE	BY		C.R. NO.	DATE	BY
1	D46001-286-50	1	0								REAR CHANNEL WELDMENT ASSEMBLY												
2	D46001-280-50	1	0								FRONT CHANNEL WELDMENT ASSEMBLY												
3	D46001-285-50	1	0								PAN WELDMENT ASSEMBLY												
4	23427-02400	2	0								3/8"-16 KEPS NUT												
5	46001-491-50		1								BELL BARRIER ASSY. 1200A												
6	46001-103-50		1								SHUTTER S.A.												
7	21430-24210		1	0							SPRING PIN SLOTTED 3/16 DIA. x 1" Lg.												
8	24209-12320		2								SPRING PIN SLOTTED 3/16 DIA. x 1 1/4" Lg.												
9	24203-24600		2								RACKING ARM INTERLOCK												
10	46001-494-50		1	0							F.C. ASSY. 1200A												
11	46001-127-50		6								CONNECTOR BOLT SLEEVE												
12	46001-018-01		12								RACKING ARM INTERLOCK												
13	46001-494-50		1								SCREW - S. TAP 3/8-16 x 1" Lg.												
7	21490-24320			16																			
1	46001-282-52			1							CUBICLE FRAME WELDED ASSY												
15	C76			1							CONTROL RELAY												
16	23601-00282			2	0						WASHER												
17	21401-24280			4							5/8-16 x 7/8 BOLT												
18	23601-00240			1	2						3/8 FLAT WASHER												
19	29927-10015			5							3/8 X-WASHER												
20	46001-282-01			1							GEAR												
21	23901-00240			2	4						WASHER - 3/8 HELICAL SPRING												
22	23040-24000			2							HEX NUT - 3/8 STL.												
23	46001-788-50			1							SHUTTER INTERLOCK ASSY												
16	23601-00243				2						PLAIN WASHER 1.38 O.D. 3/8 I.D.												

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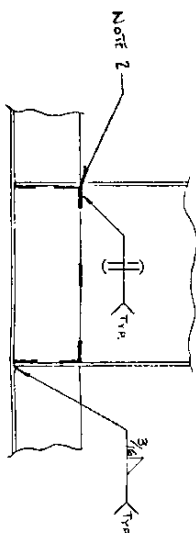
DO NOT SCALE - ALL DIMENSIONS				REV	C.R.	DATE	BY	REV	C.K.	DATE	BY
TWO PLACE DECIMAL				(C)	M1008	4-4-84	DL	(A)	M0193	3-7-84	RDW
THREE PLACE DECIMAL				(D)	M2133	4-18-83	RDW				
FOUR PLACE DECIMAL				(E)	M0145	7-9-83	RDW				
FIVE PLACE DECIMAL				(F)	M1261	9-18-83	RDW				
HOLE DIA											
ANGLE											



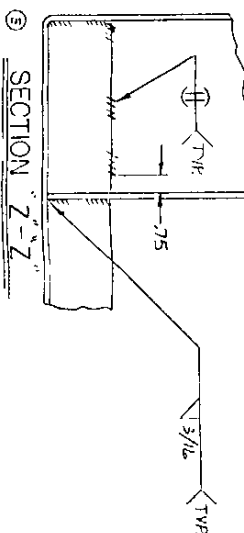
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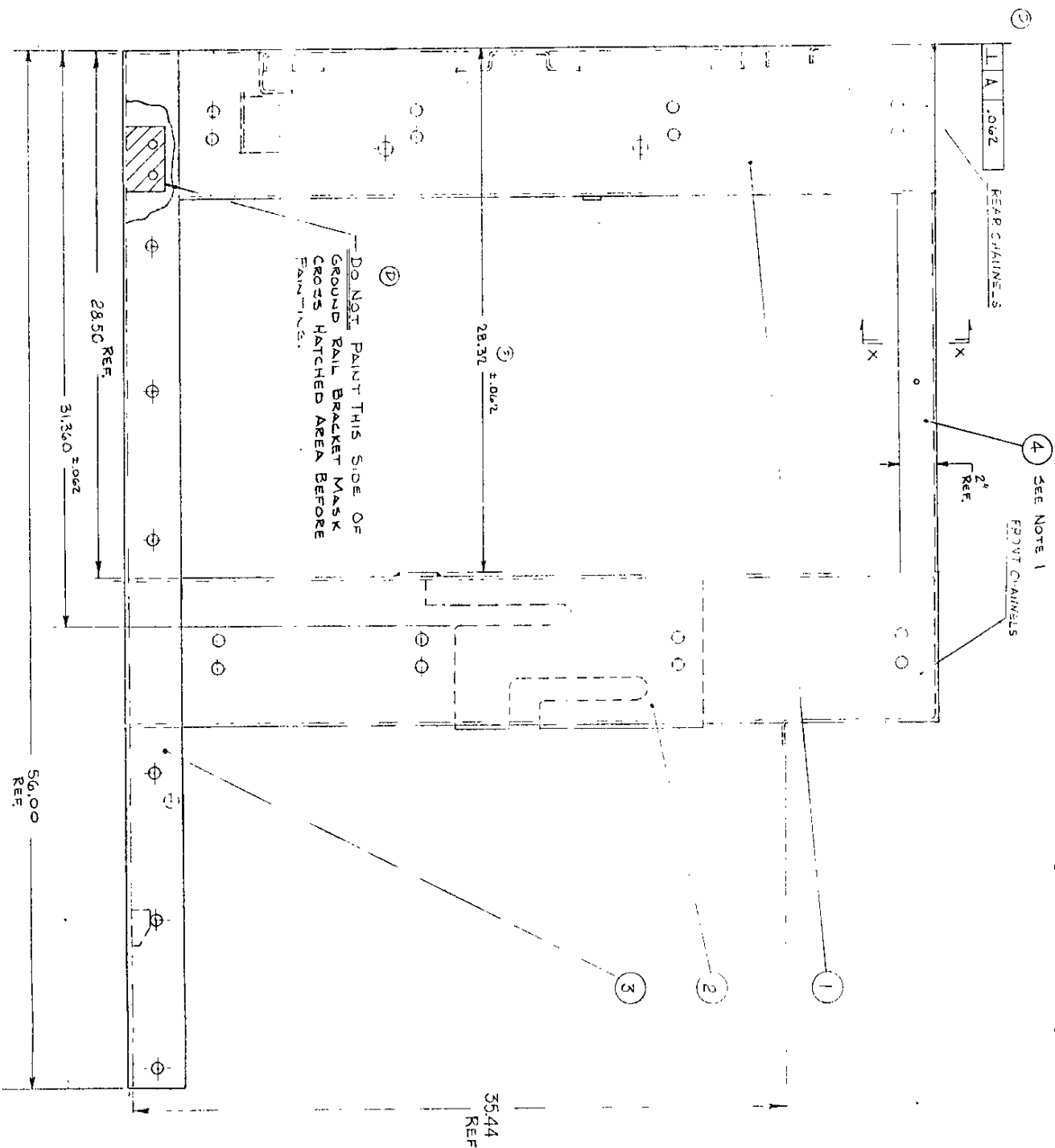
SECTION X-X



SECTION Y-Y



SECTION Z-Z

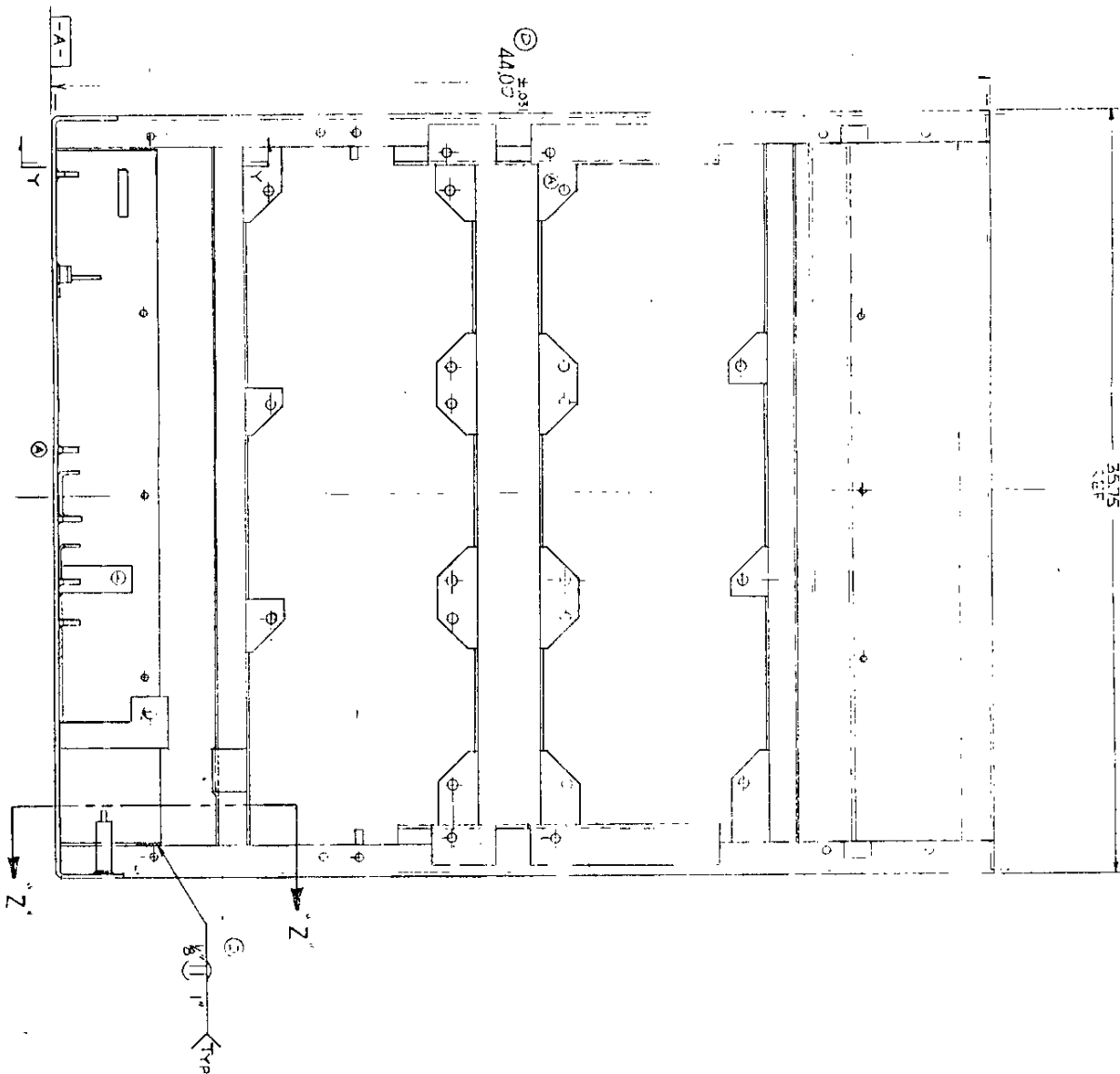


FINISH: ②

- 1) PRETREAT COMPONENT PARTS PER SURYUA T-5000 ZINC PHOSPHATE METAL PREP PRIOR TO WELDING.
- 2) PAINT WELDMENT GRAY ANSI-49 PER ANSI A53.20.2-19 XX.
- 3) SEE NOTE MASK CROSS HATCHED AREA FOR GROUND RAIL BRACKET.

NOTES: 1. TOP BRACE ANGLE ④ MUST NOT PROTRUDE ABOVE TOPS OF FRONT AND REAR CHANNEL WELDMENTS ① AND ②.

2. USE 0.5 MIN WELD PROJECT BEHIND CHANNEL WIDTH OF 3575 OR HEIGHT OF 4000.



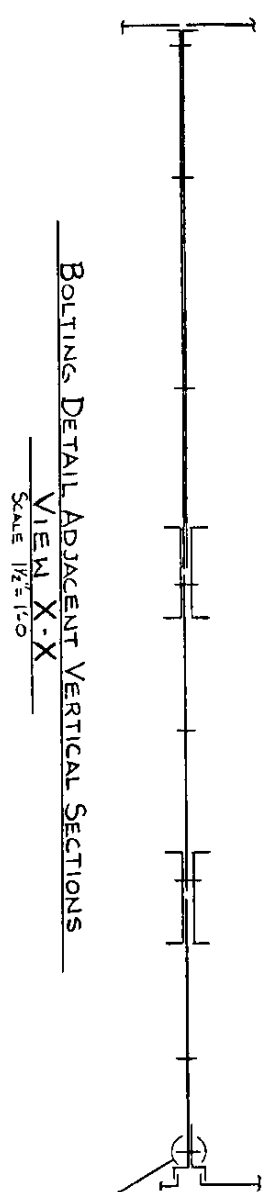
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③

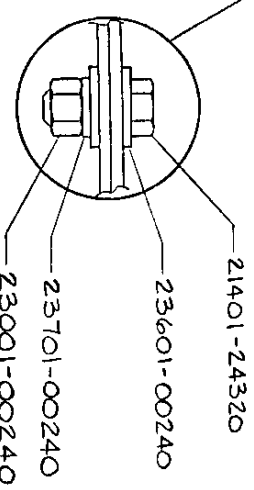
P/N 46001-282-52	
SCALE	AS SHOWN
DATE	11/84
BY	DL
CHKD	DL
APP	DL
SHEET 30 OF 3	
D 46001-282	

DWG. SIZE	LAST REV.
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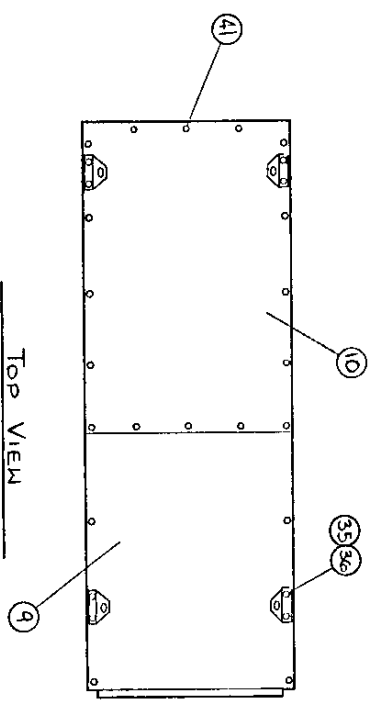


BOLTING DETAIL ADJACENT VERTICAL SECTIONS
VIEW X-X
SCALE 1 1/2" = 1" O

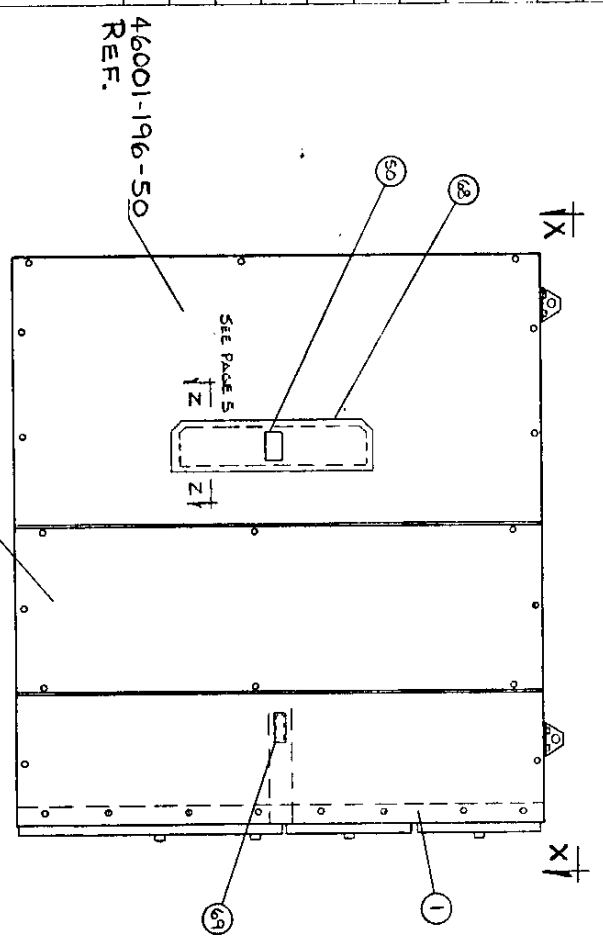


BOLTING DETAIL
TYP. 22 PLS

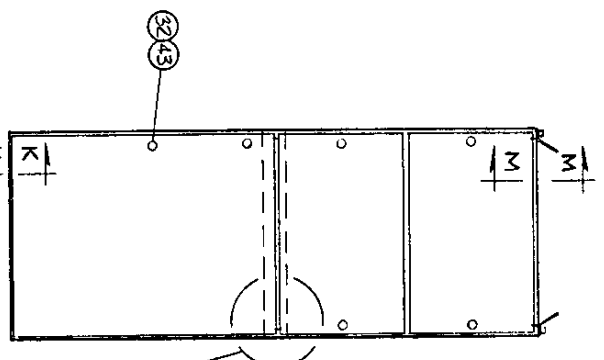
NOTES:
1. THE PURPOSE OF THIS DWG IS TO GIVE ASSEMBLY INFORMATION FOR THE OUTER SHEET METAL ON 2-HIGH M.C. SWGR.
2. THE DRAWOUT PT ASSY, DRAWOUT CPT ASSY, CABLE PULL BOX & BREAKER COMPARTMENT DOOR ARE SHOWN HERE FOR REF. ONLY. THEY WILL BE CALLED OUT BY THE PRODUCT ENGR. ON THE JOB B/M.
3. FOR HARDWARE TORQUE VALUES SEE PBD 3510.
4. PLUG HOLES ON END ASSY AT END OF EACH LINE UP WITH PLASTIC PLUG 80031-024-01
5. THIS IS A GENERAL ASSY REFERENCE TO BE USED TO ASSEMBLE ALL 46001-324 OUTER SHEET-METAL ASSYS.



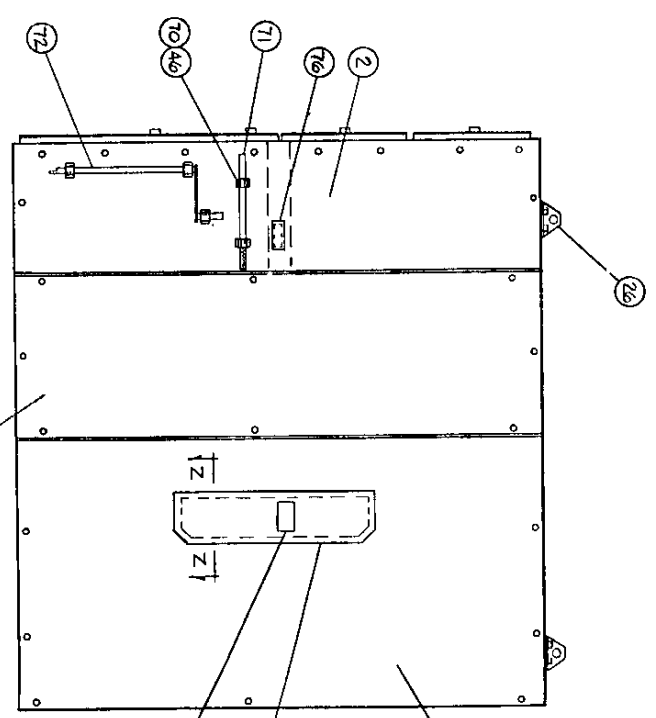
TOP VIEW



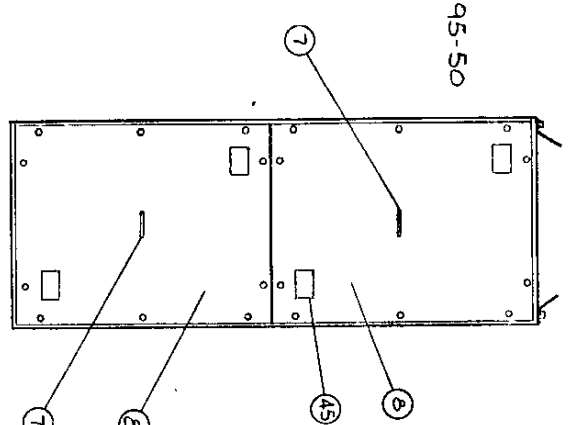
LEFT SIDE VIEW



FRONT VIEW

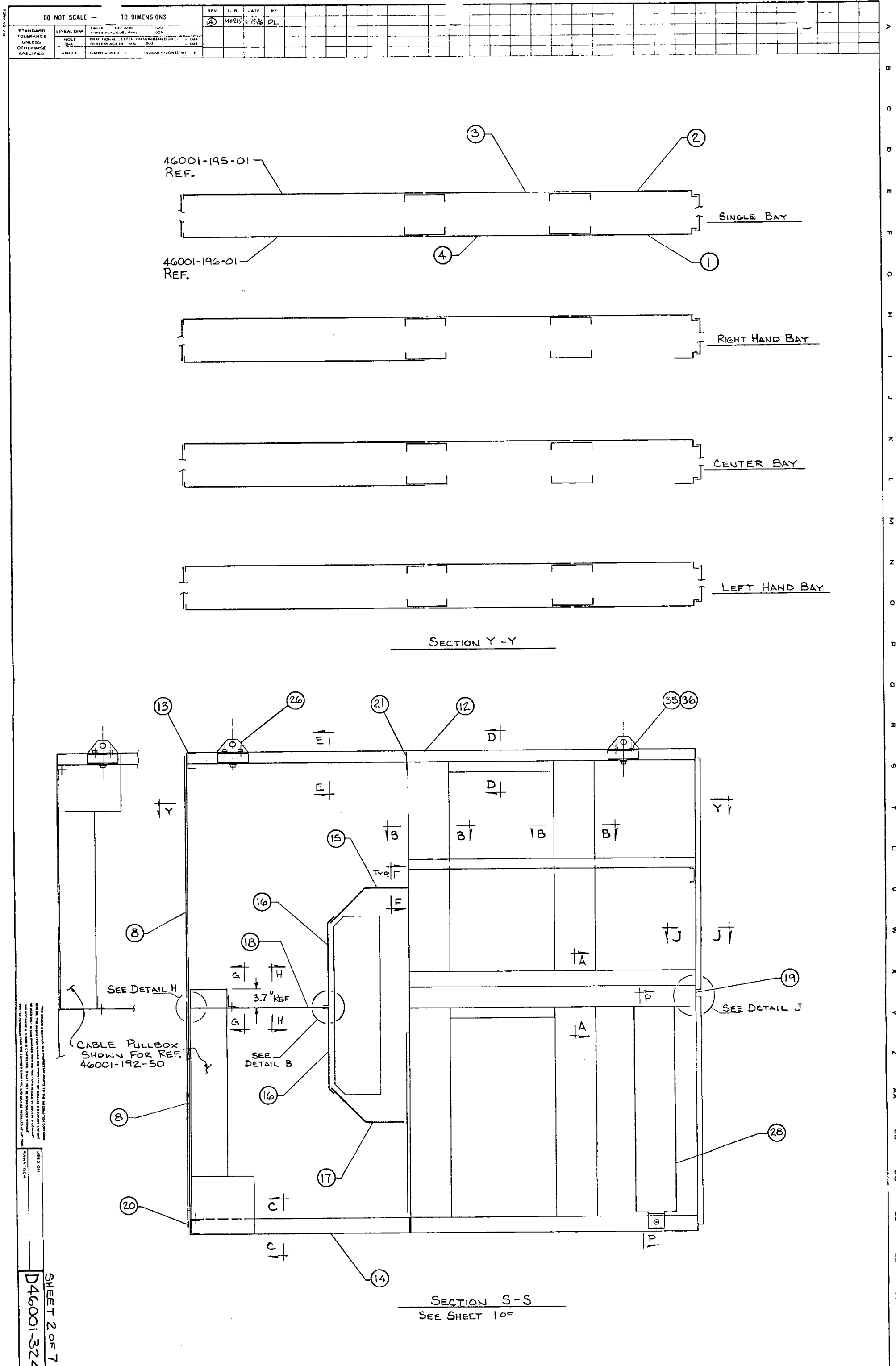


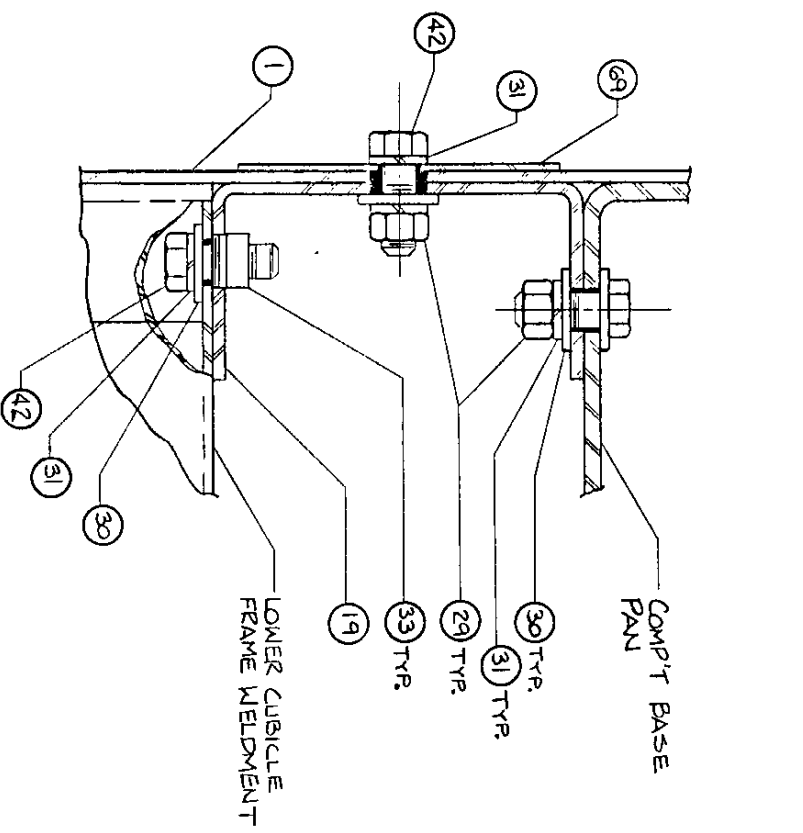
RIGHT SIDE VIEW



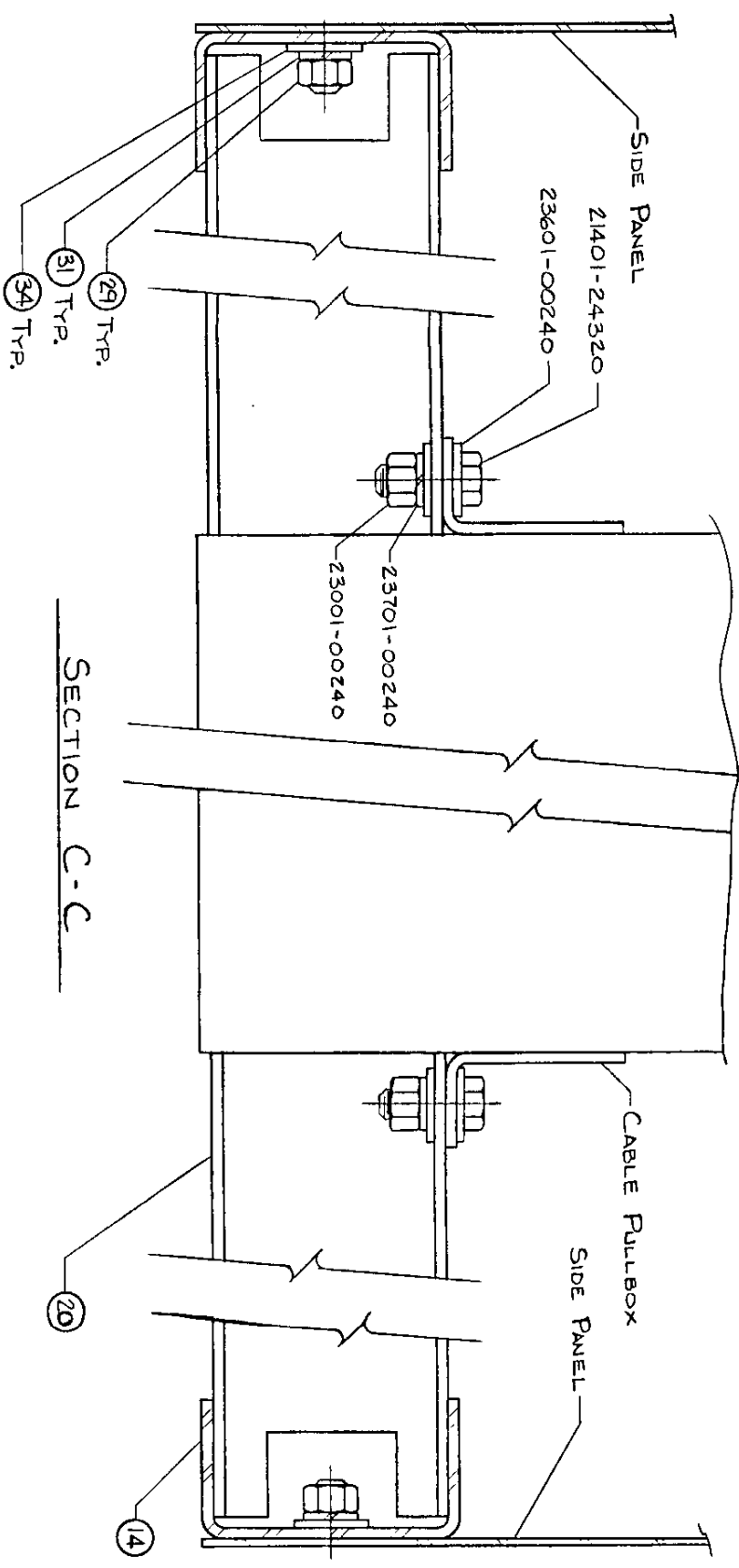
BACK VIEW

NOTE: VIEWS SHOWN ON THIS PAGE SHOW
END-OF-LINEUP SHEET METAL DETAILS

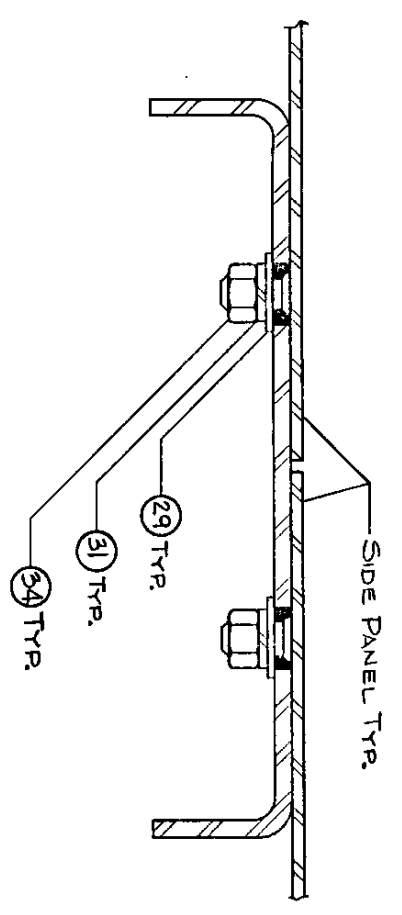




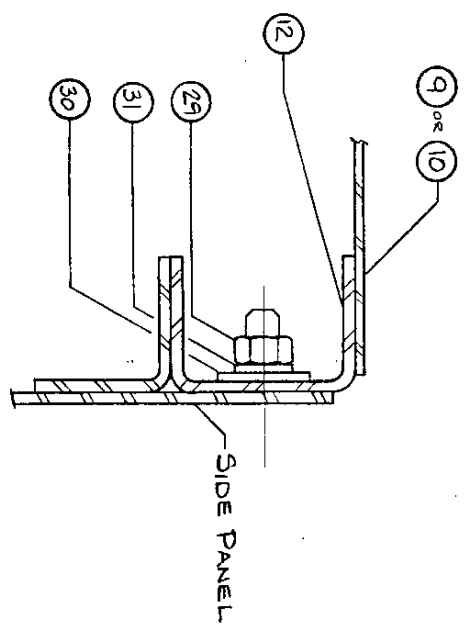
SECTION A-A
WALL @ 4' FLOOR SUPPORT



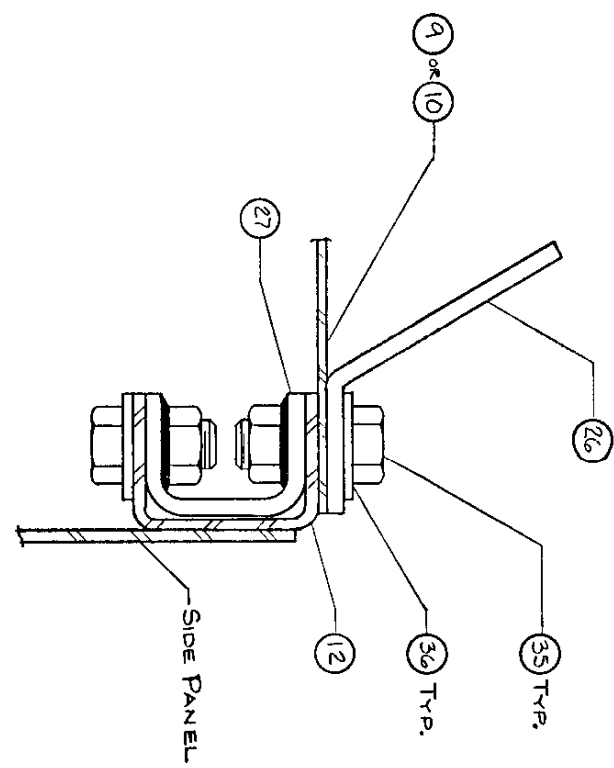
SECTION C-C



SECTION B-B
HORIZONTAL WALL SEC.



SECTION D-D



SECTION E-E

DO NOT SCALE - REFER TO DIMENSIONS				REV	C R	DATE	BY
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED				A	MOD	6-11-86	DL
LINEAL DIM	TWO PLACE DECIMAL	0.005					
HOLE DIA	FRACTIONAL LETTER OR NUMBERED DRILL	0.004					
ANGLE	UNLESS OTHERWISE SPECIFIED	90°					

THE DRAWING IS A CONTRACT DOCUMENT AND SHALL BE USED ONLY FOR THE PROJECT, THE LOCATION, AND THE QUANTITY OF MATERIALS SPECIFIED THEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE DRAWING'S ORIGINATOR. ANY VIOLATION OF THIS NOTICE SHALL BE CONSIDERED A BREACH OF CONTRACT AND SHALL BE SUBJECT TO LEGAL ACTION.

SCALE	DRAWN	CHECKED	DATE
1/8" = 1'-0"	SKL	CMO	8/15/86

FILE 2 HIGH ASSY. DWG.

DATE OK

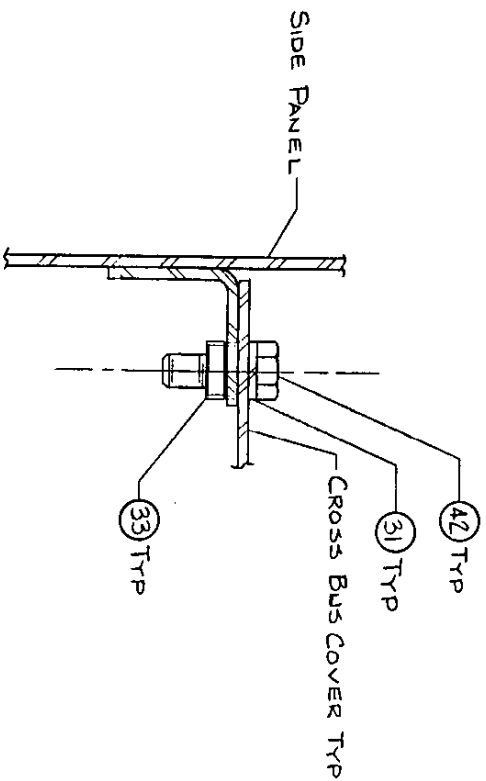
SWYRNA, TENNESSEE, USA

SHEET 3 OF 7

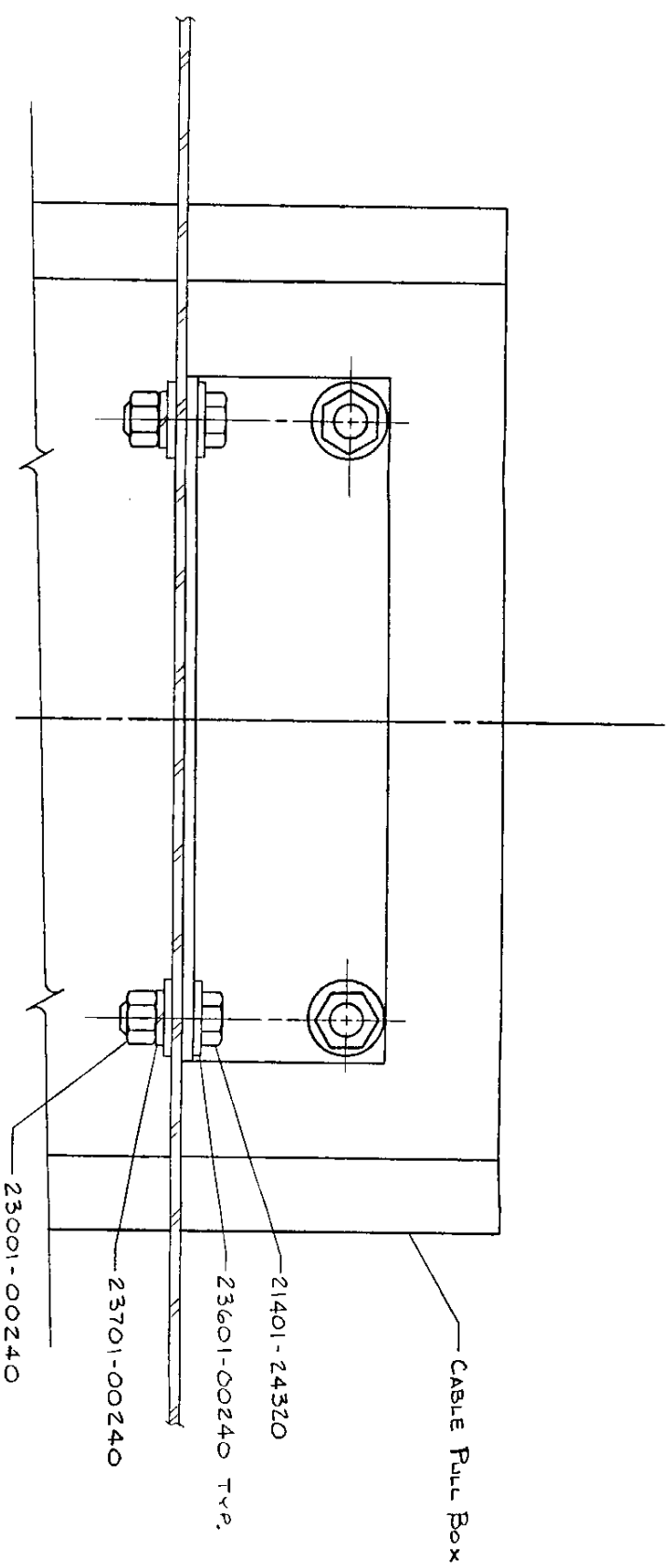
PRINTS TO

SOURCE D COMPANY

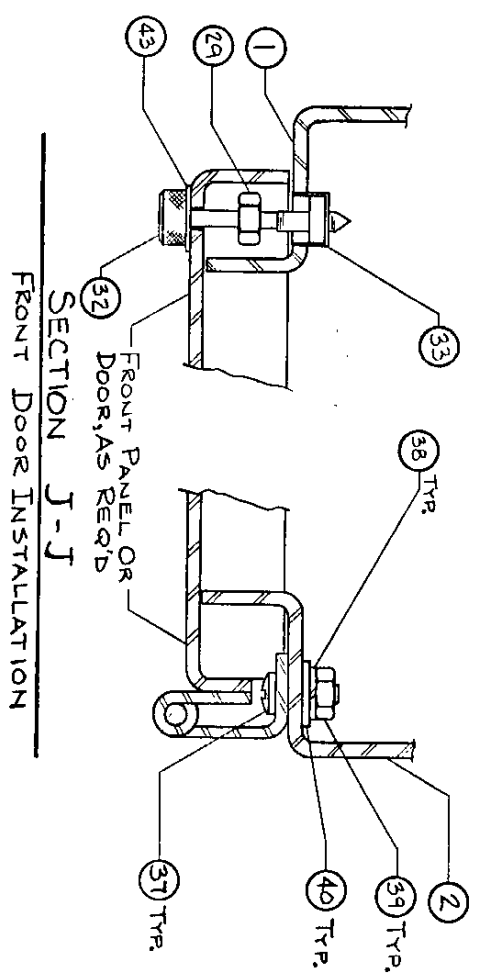
D46001-324



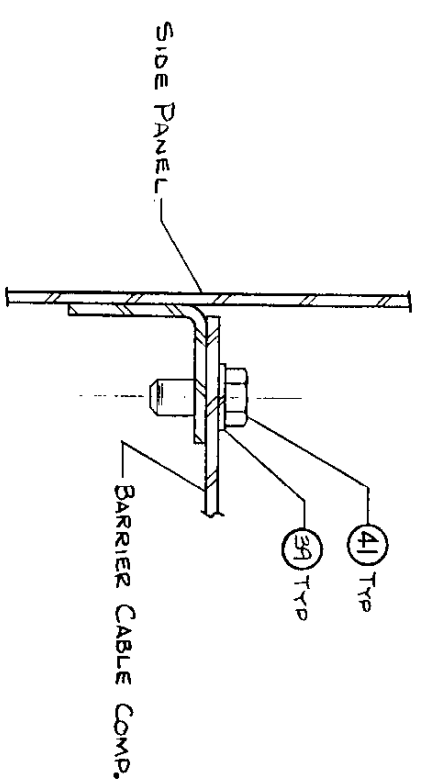
SECTION F-F
Typ 8 PLS EACH SIDE



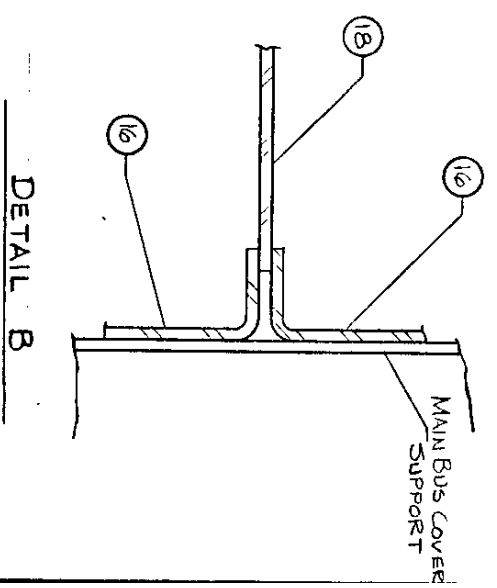
SECTION G-G



SECTION J-J
FRONT DOOR INSTALLATION



SECTION H-H
Typ BOTH SIDE



DETAIL B

DO NOT SCALE - REFER TO DIMENSIONS	REV	C R	DATE	BY
	2		10/15/84	DL

SECTION F-F

TYP 8 PLS EACH SIDE

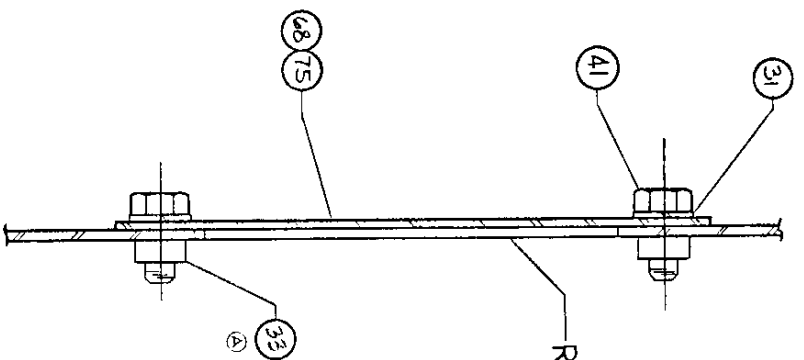
SECTION J-J

FRONT DOOR INSTALLATION

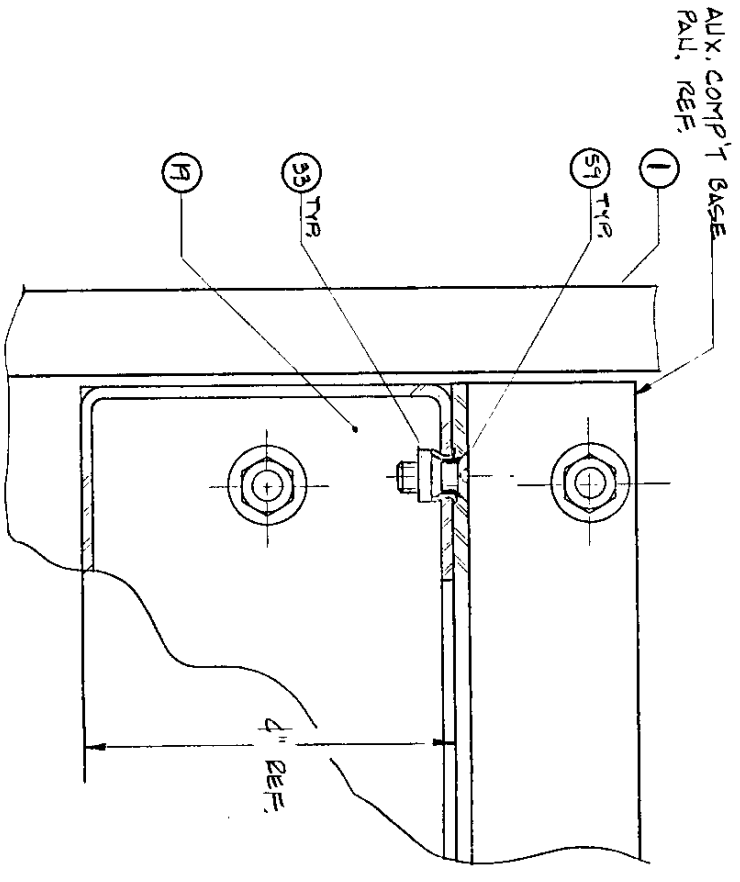
THESE DRAWINGS ARE THE PROPERTY OF SQUARE D COMPANY AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SQUARE D COMPANY. ANY VIOLATION OF THIS NOTICE SHALL BE SUBJECT TO LEGAL ACTION.

SCALE: 1/8" = 1'-0"
 FULL SIZE
 DATE: 10/15/84
 DRAWN BY: J. H. B. DWS
 CHECKED BY: J. H. B. DWS
 USED ON: D46001-324
 SQUARE D COMPANY
 SAVANNA, TENNESSEE, USA
 SHEET 4 OF 7
 PRINTS TO:

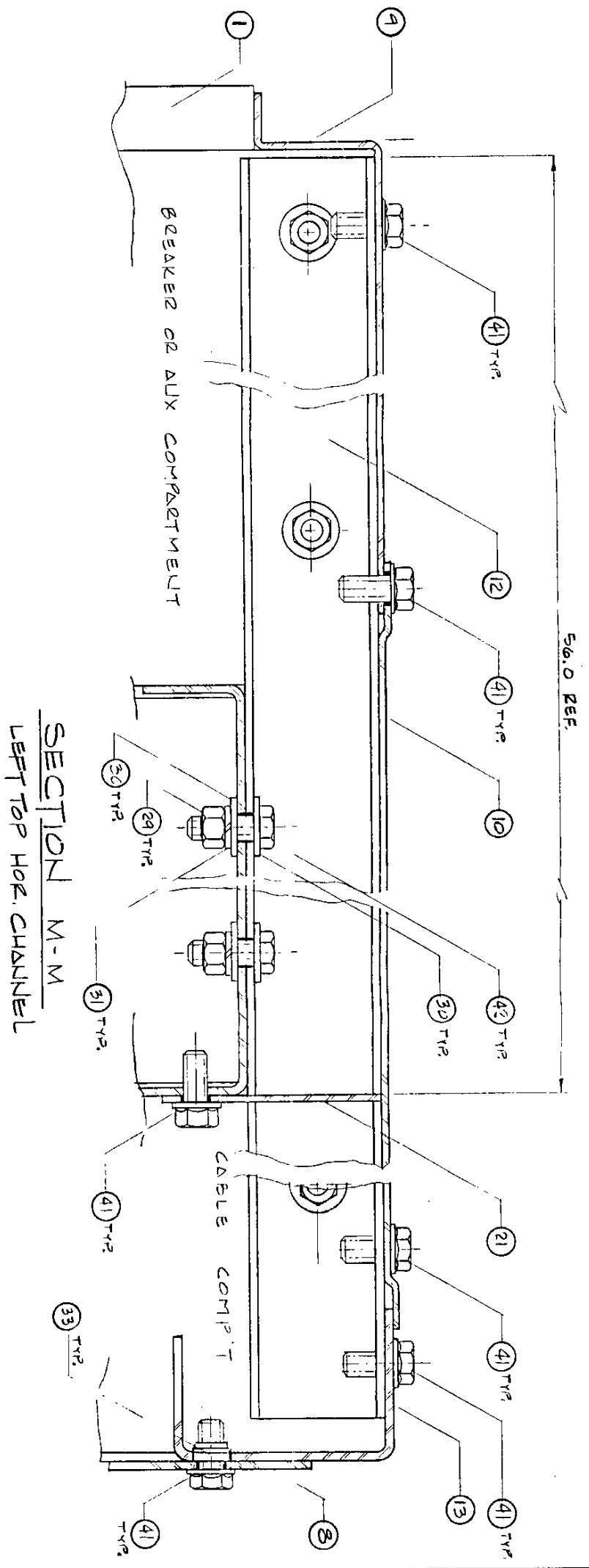
DO NOT SCALE		TO DIMENSIONS		REV	C.R.	DATE	BY
				(A)	MOZIS	6.12.86	DL
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM	TWO PLACE DECIMAL THREE PLACE LINEAL	NA				
	HOLE DIA	FRACTIONAL LETTER WITH NUMERATOR DECIMAL THREE PLACE DECIMAL	NA				
	ANGLE	QUADRANTED	NA				



SECTION Z-Z



DETAIL - J



SECTION M-M
LEFT TOP HOR. CHANNEL

THESE DRAWINGS ARE THE PROPERTY OF THE U.S. GOVERNMENT AND ARE TO BE USED FOR OFFICIAL PURPOSES ONLY. ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS FOR OTHER THAN OFFICIAL PURPOSES IS PROHIBITED. THE U.S. GOVERNMENT ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY THAT MAY BE CAUSED BY THE USE OF THESE DRAWINGS.

SCALE	DATE	BY
1/2" = 1'	7/28/86	MOZIS
THE ASSY T SECTION		
D 46001-324-5014W 65		
DRAWN: COOK		

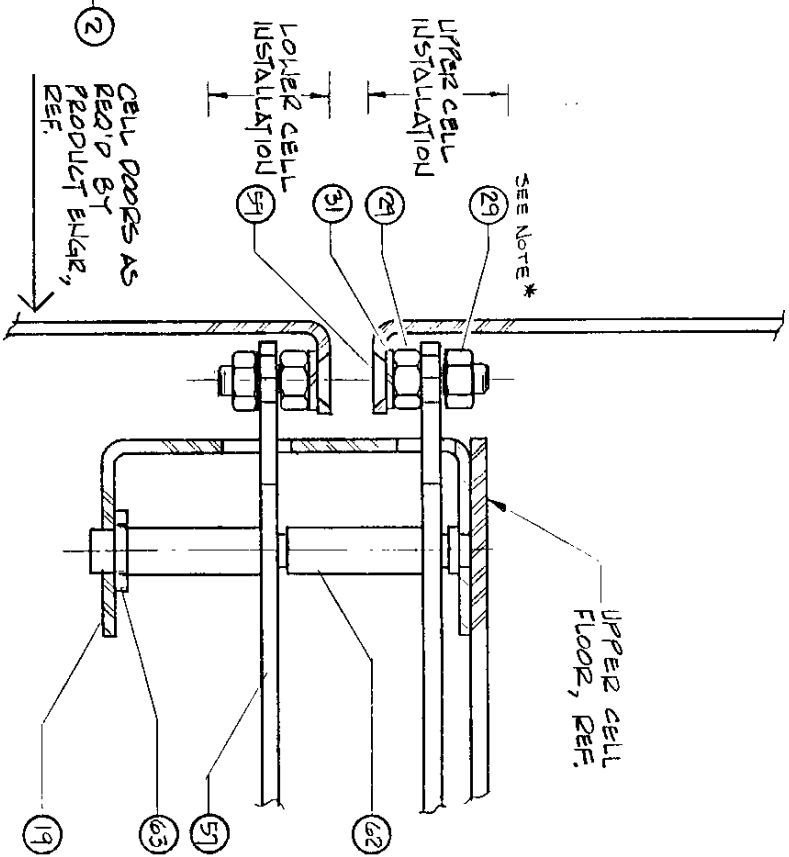
SHEET 50 F 7

PRINTS TO

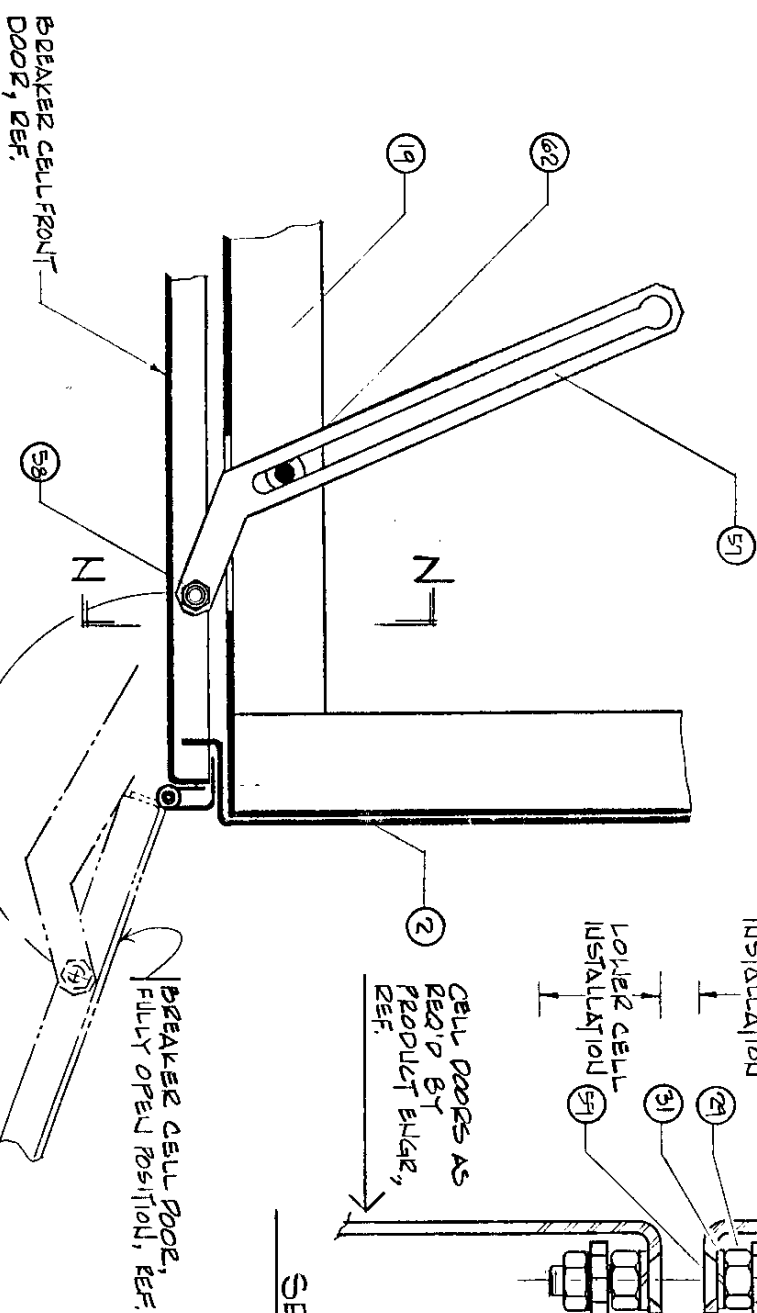
SQUARE D COMPANY
SMYRNA, TENNESSEE USA

D 46001-324

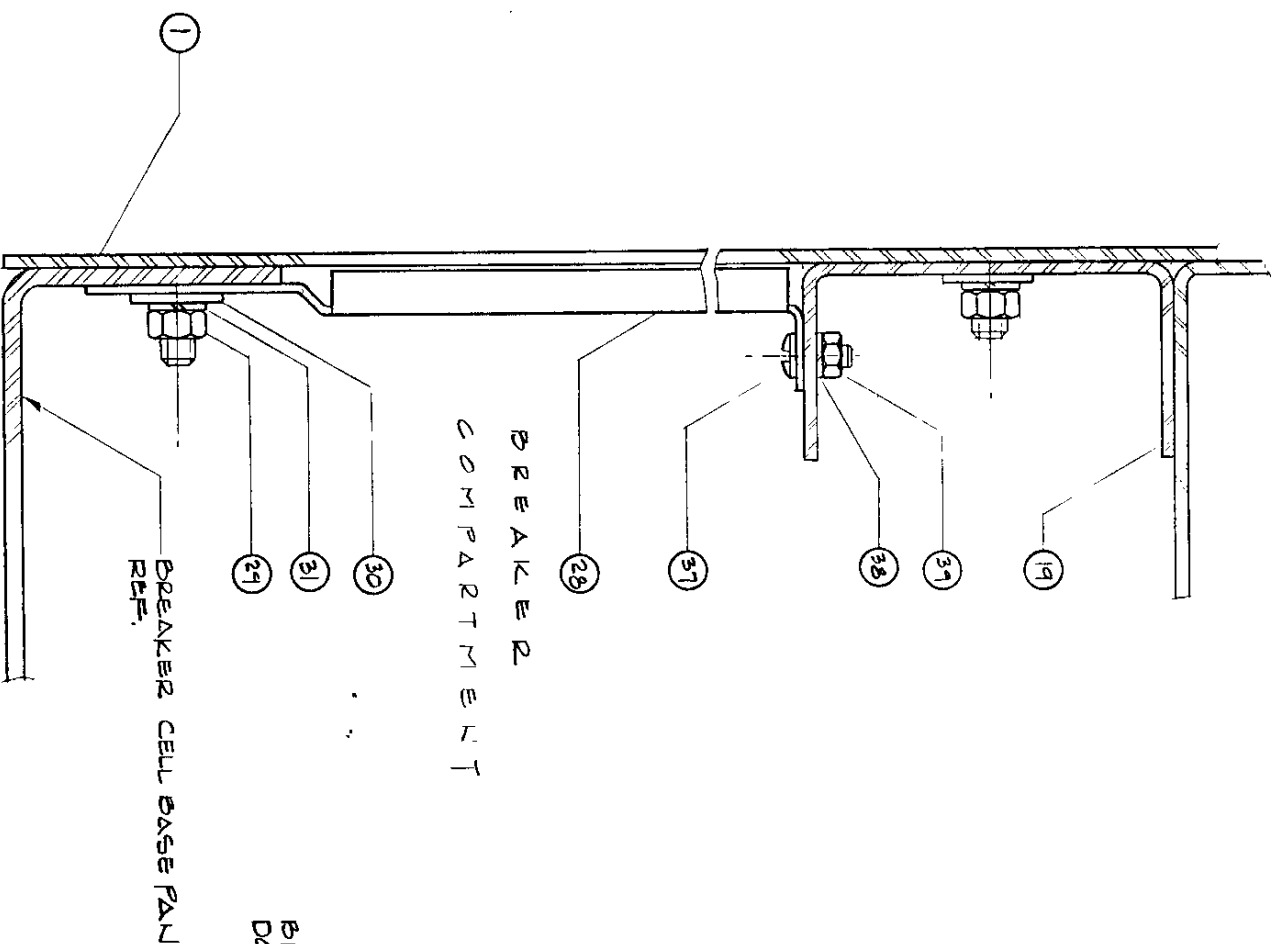
* NOTE : DO NOT TIGHTEN DOWN FULLY
LEAVE ROOM FOR ITEM
57 TO BE ABLE TO MOVE DOWN
APPLY LOCITE, 1571-003900
AT FINAL ADJUSTMENT.



SECTION N-N



REFERENCE DETAIL "M"
FRONT DOOR STAY INSTALLATION



SECTION P-P
TERMINAL BLOCK MOUNTING CHANNEL

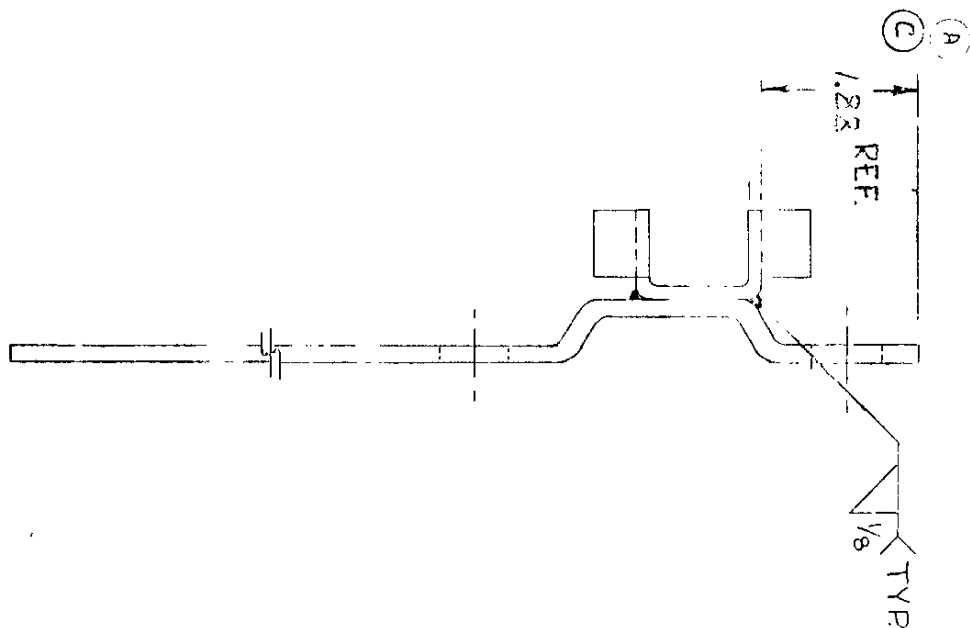
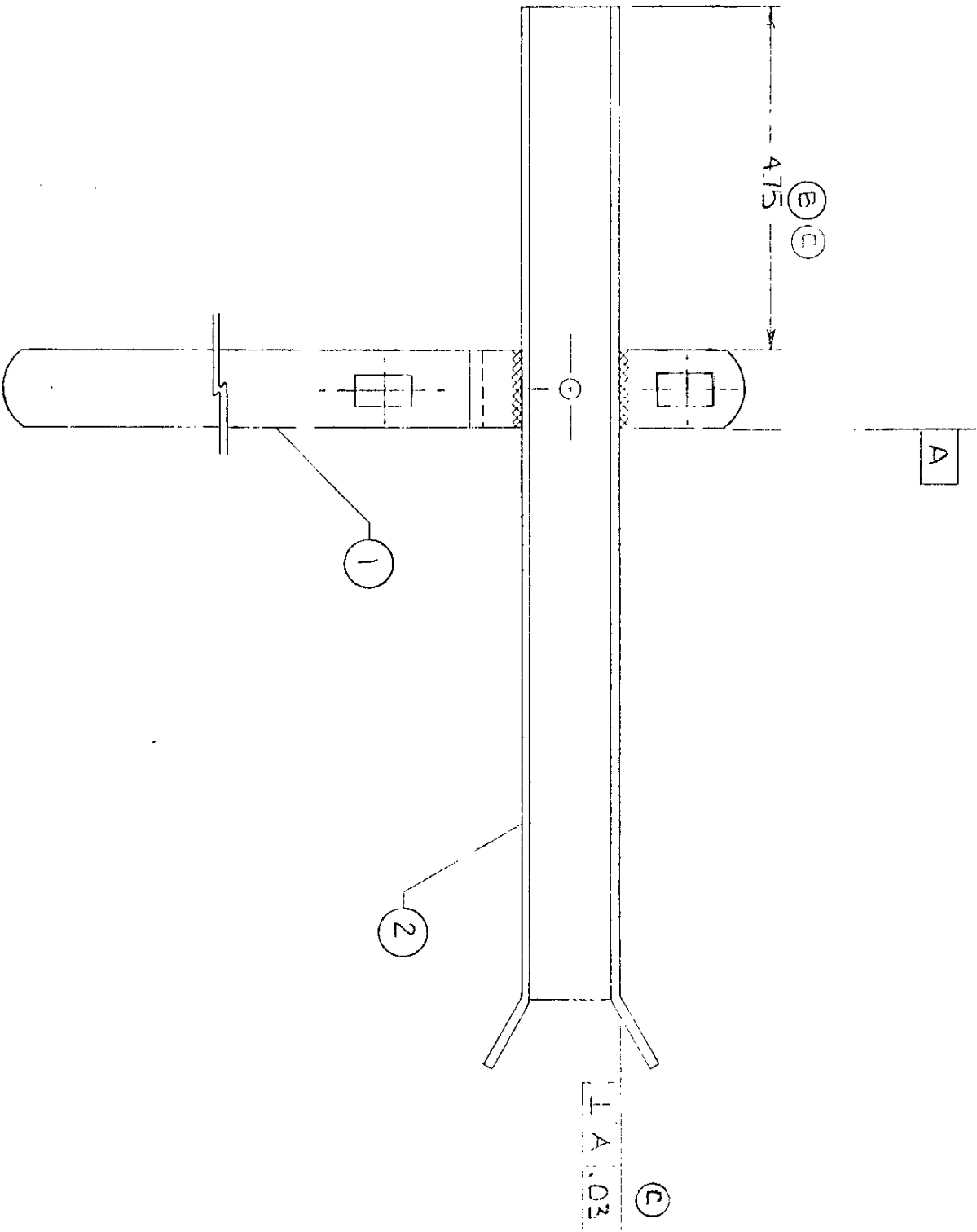
DO NOT SCALE - WORK TO DIMENSIONS				REV	C H	DATE	BY
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED				2		MODUS 6-12-86	DL
LINEAL DIM	TWO PLACE DECIMAL	THREE PLACE DECIMAL	FOUR PLACE DECIMAL				
HOLE DIA	FRACTIONAL LETTER OR DIMENSIONED ONLY	FRACTIONAL LETTER OR DIMENSIONED ONLY	FRACTIONAL LETTER OR DIMENSIONED ONLY				
ANGLE	DIMENSIONED	UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED				

SCALE	DRAWN	CHKD	DATE
DL			07-21-86
TITLE			
ASSEMBLY SECTIONS			
D46001-324-5011RU 65			
DRAWN BY			
D46001-324			

A B C D E F G H I J K L M N O P

DO NOT SCALE — WORK TO DIMENSIONS				REV.	C. R.	DATE	BY													
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL ± .080		(A)	MO063	4-16-78	J. J. J.													
		THREE PLACE DECIMAL ± .008		(B)	MO074	7-19-81	C. J. J.													
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL + .004		(C)	MO106	11-27-85	J. J. J.													
		THREE PLACE DECIMAL ± .002 — .002																		
	ANGLE	DIMENSIONED ± 1° UNDIMENSIONED 90° ± 3°																		

MATERIAL: SEE DETAILS
FINISH: (.0002 THK) ZINC PLATE



THE SQUARE D COMPANY HAS PROPRIETARY RIGHTS TO THE INFORMATION CONTAINED HEREON. THIS INFORMATION REMAINS THE PROPERTY OF SQUARE D COMPANY AND MAY BE USED ONLY IN CONFORMANCE WITH INSTRUCTIONS ISSUED BY SQUARE D COMPANY. THIS DOCUMENT IS ISSUED IN CONFIDENCE. IT MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION FROM THE SQUARE D COMPANY, AND MAY BE RECALLED AT ANY TIME.

SCALE	DRAWN	CHKD.	DATE	C. R.
2	CNS	RDM	11-30-85	M-0031
TITLE				
M.O.C. SWITCH LINK WELDMENT				
USED ON				
46001-010-50				
RAWSTOCK				
NOTED				
P/N: 46001-363-50				
PRINTS TO				
SQUARE D COMPANY				
SMYRNA, TENNESSEE USA				
B46001-363				

[illegible]

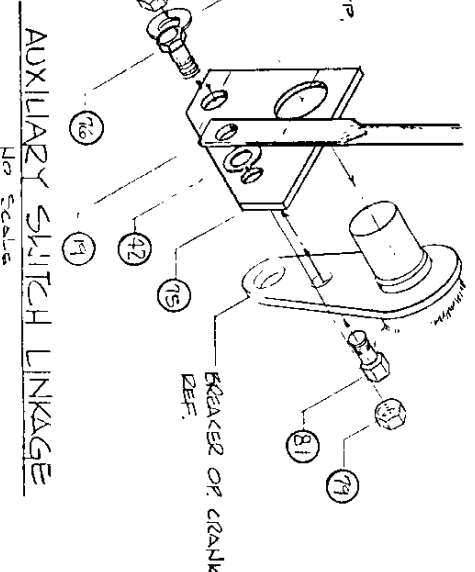
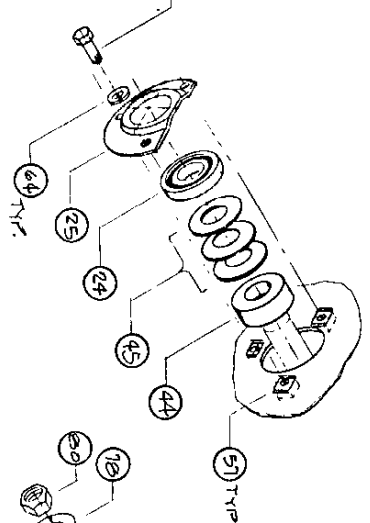
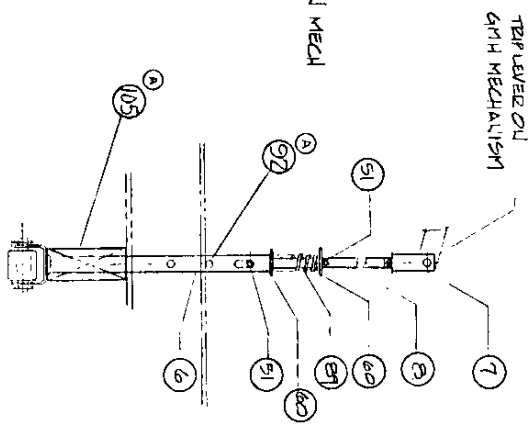
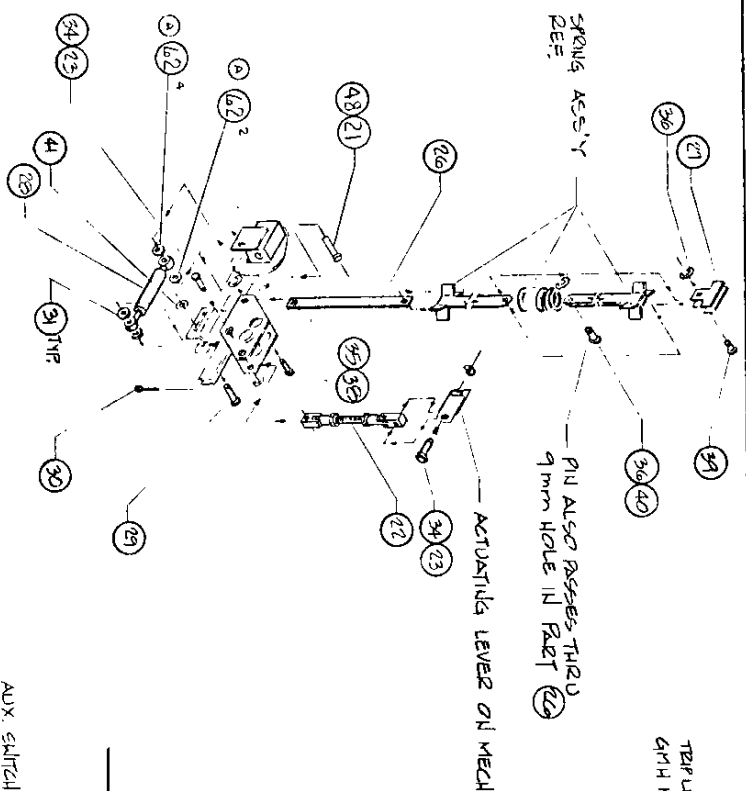
[illegible]

ITEM	PART NO.	NEW	QUANTITY								DESCRIPTION	RELEASED ON			
			A	B	C	D	E	F	G	H		REV	C.R. NO.	DATE	BY
39	877490	1									AXLE	REV	C.R. NO.	DATE	BY
40	755549	1									AXLE				
41	21222-010	1									WASHER - 10 MM				
42	21222-006	5									WASHER - 6 MM				
43	1023793	4	0								WASHER - 6 MM				
44	830306	1									BEARING- SPACER				
45	800247	3									SHIM WASHER				
48	29929-10015	1									X WASHER - 3/8"				
49	29929-00002	8									X WASHER - 1/2"				
52	03125-05	4									WHEEL - 3" DIA. X 1 1/4" WIDE STEEL - YIN				
55	23002-00200	1									STEEL HEX NUT 1/4-20 (REG)				
57	23502-20003	13									CAGE NUT 1/4-20				
58	23502-28002	4	6								CAGE NUT 1/2-13				
59	23003-00320	1									NUT 5/8-11 JAM				
60	23601-00200	8	11								WASHER - 1/4 PLAIN				
62	23601-00242	2	8	17							WASHER - 3/8 PLAIN				
63	23601-00280	5	2								WASHER - 1/2 PLAIN				
64	23701-00200	12	11								WASHER - 1/4 HELICAL SPRING				
66	23701-00240	4	3	11							WASHER - 3/8 HELICAL SPRING				
67	23701-00280	4	2								WASHER - 1/2 HELICAL SPRING				
69	21401-24240	4	3	11							3/8-16 X 3/4 LG HHSCS				
70	21401-20240	11									1/4-20 X 3/4 LG HHSCS				
71	21401-28420	2									1/2-13 X 1 1/4 LG HHSCS				
72	21401-28560	2	0								1/2-13 X 1 3/4 LG HHSCS				
73	21401-32640	1									5/8-11 X 2 LG HHSCS				
74	21490-20160	4									1/4-20 X 1/2 LG SELF TAPPING SCREW				
75	759106	1									SWITCH ACTUATING PLATE				
76	759117	1									AXLE				

PAGE 3 OF 3

[illegible]

DO NOT SCALE -- WORK TO DIMENSIONS		REV	C R	DATE	BY
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		A		MD/MS	7-9-85 RDW
LINEAL DIM		TWO PLACE DECIMAL			
HOLE DIA		FRACTIONAL LETTER (THIRDS UNLESS OTHERWISE SPECIFIED)			
ANGLE		DIMENSIONED			

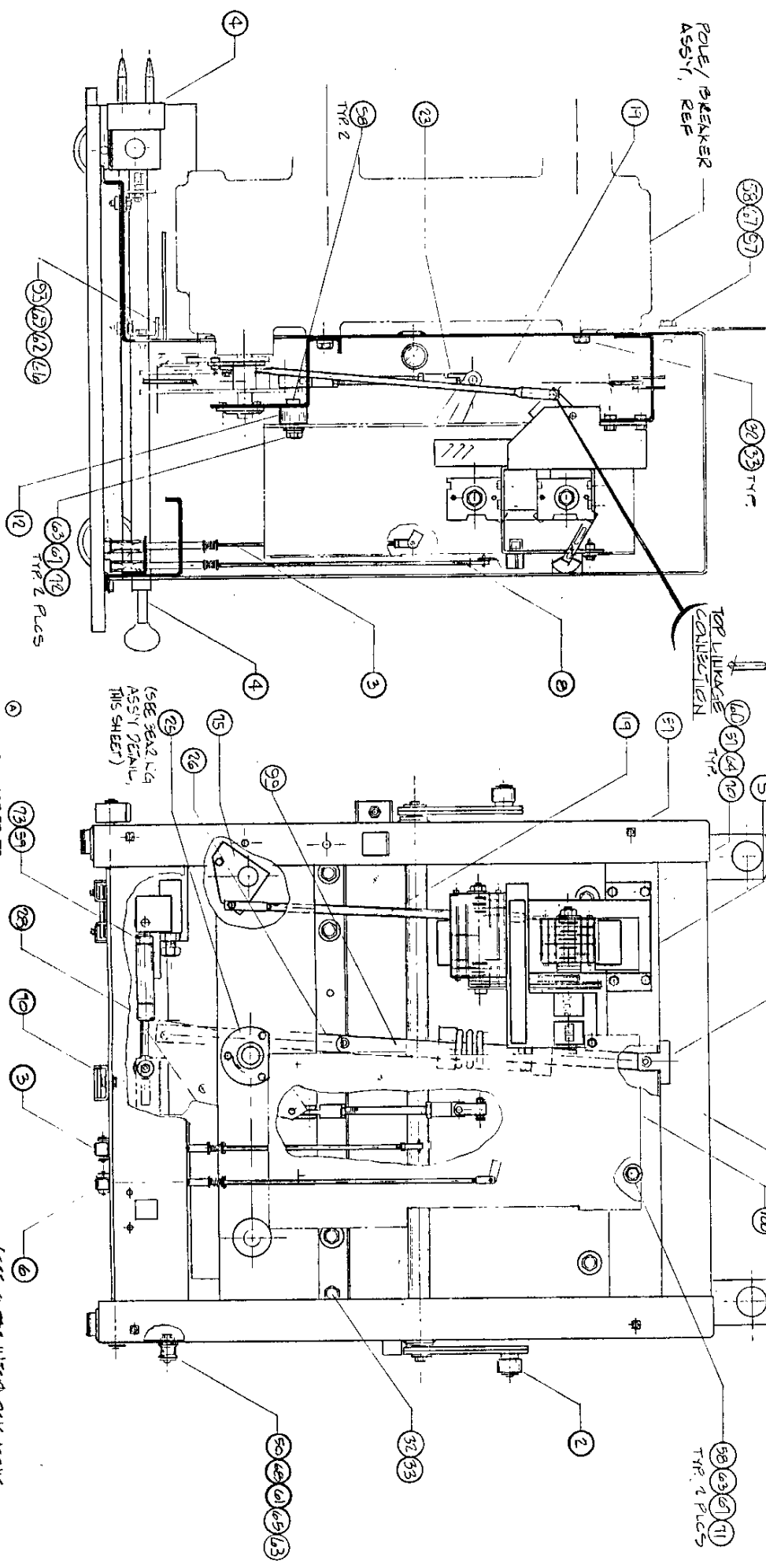


SPRING LINKAGE ASSEMBLY
No Scale

CLOSE TRIP INTERLOCK ASSY
No Scale

BEARING ASSY
No Scale

AUXILIARY SWITCH LINKAGE
No Scale



SECTION X-X

REAR ELEVATION
(COVER REMOVED)

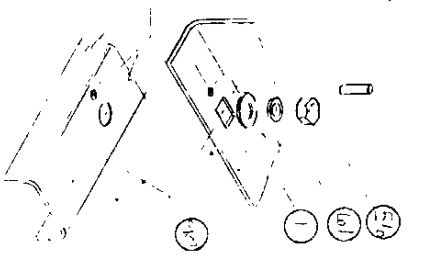
NOTE: APPLY LOCITE TO THIS ASSY.

(SEE REAR L.G. ASSY DETAIL, THIS SHEET)

(SEE CLOSE INTERLOCK ASSY, THIS SHEET)

P/N	46001-430-50 & 51
Scale	1/4" = 1"
Drawn	1/25/84
Checked	1/25/84
Approved	1/25/84
Part No.	46001-448-50 & 53
Rev.	U.A.
Sheet	2 OF 4
Prints To	
Source	SQUARE D COMPANY
Location	SMYRNA, TENNESSEE USA
Part No.	D46001-430

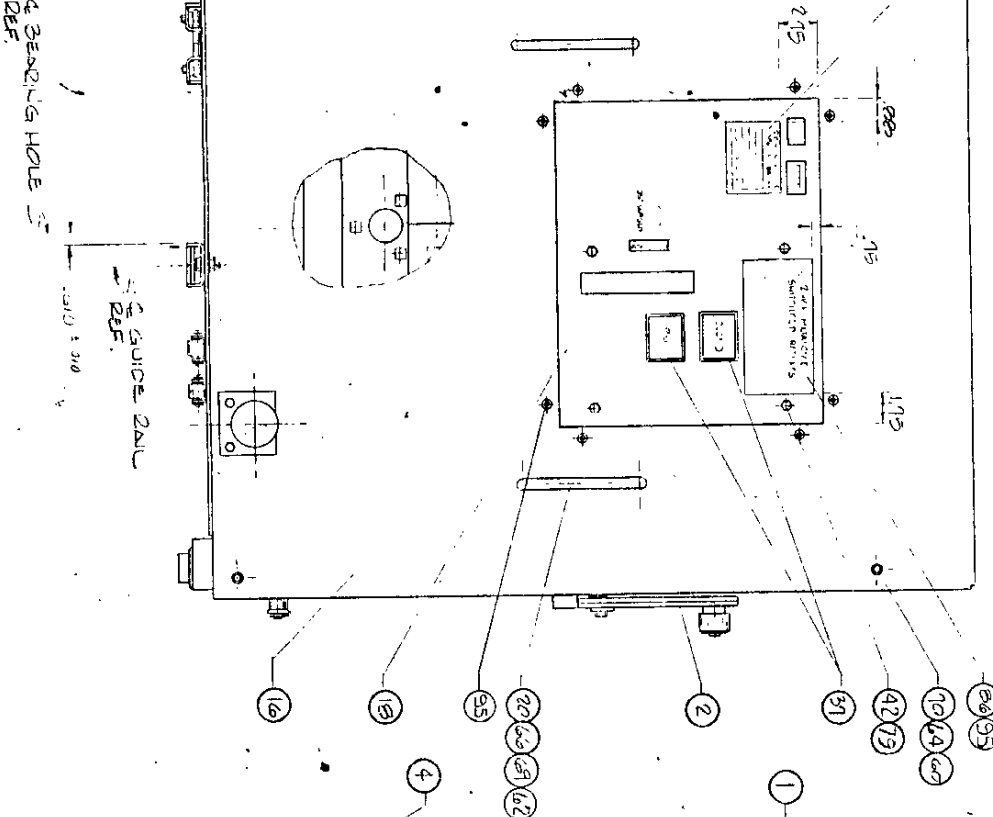
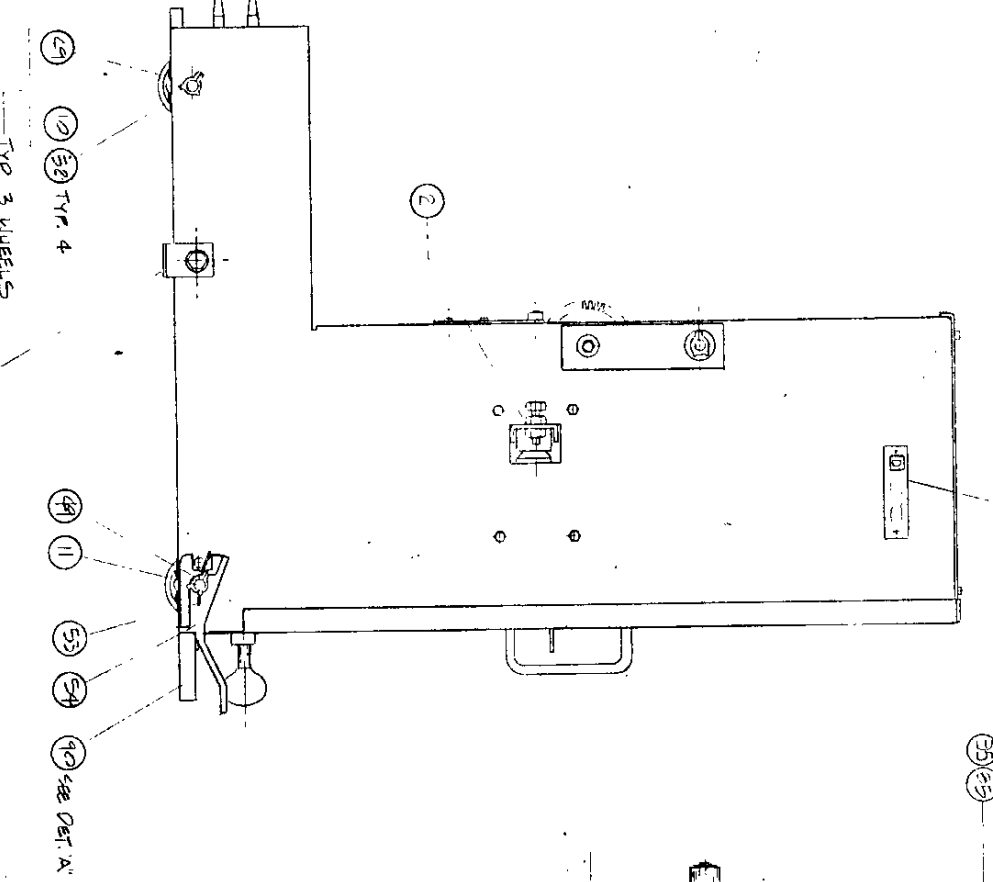
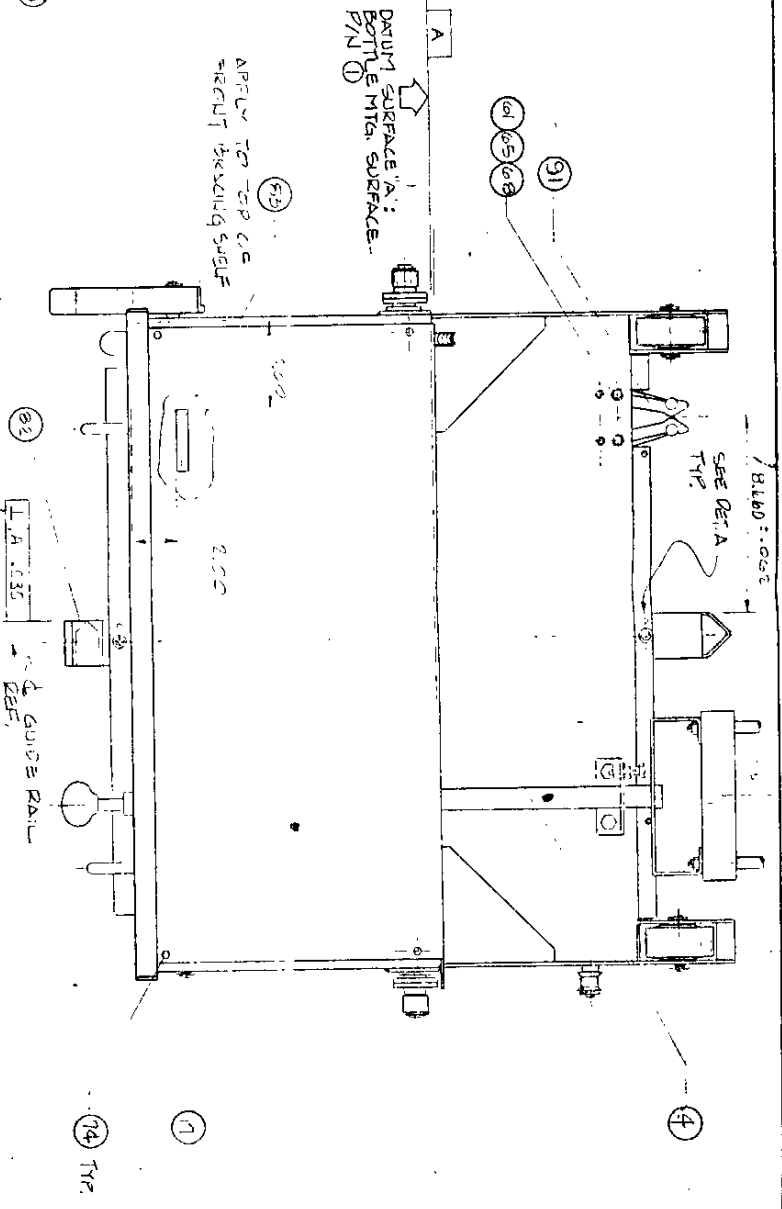
HOLE FOR PINTO BE
DRILLED 3/4 DIA. AT
ASSEMBLY



DETAIL "A"
SIDE RAIL ASSEMBLY
(NO SCALE)

DATUM SURFACE "A":
BOTTOM MTS. SURFACE.
PIN 1

APPLY TOP TOP C/O
THROUGH EXISTING SURFACE



POSITION FOR 1.2KA -
AND 2.0KA
POSITION FOR 3.0KA

SHEET 2 OF 4

REV	DATE	BY	ROW
1	7-7-85	M0145	

DO NOT SCALE - WORK TO DIMENSIONS

LINE	AS DIM	DESCRIPTION
1	1/4	1/4" DIA. HOLE
2	1/4	1/4" DIA. HOLE
3	1/4	1/4" DIA. HOLE
4	1/4	1/4" DIA. HOLE
5	1/4	1/4" DIA. HOLE
6	1/4	1/4" DIA. HOLE
7	1/4	1/4" DIA. HOLE
8	1/4	1/4" DIA. HOLE
9	1/4	1/4" DIA. HOLE
10	1/4	1/4" DIA. HOLE
11	1/4	1/4" DIA. HOLE
12	1/4	1/4" DIA. HOLE
13	1/4	1/4" DIA. HOLE
14	1/4	1/4" DIA. HOLE
15	1/4	1/4" DIA. HOLE
16	1/4	1/4" DIA. HOLE
17	1/4	1/4" DIA. HOLE
18	1/4	1/4" DIA. HOLE
19	1/4	1/4" DIA. HOLE
20	1/4	1/4" DIA. HOLE
21	1/4	1/4" DIA. HOLE
22	1/4	1/4" DIA. HOLE
23	1/4	1/4" DIA. HOLE
24	1/4	1/4" DIA. HOLE
25	1/4	1/4" DIA. HOLE
26	1/4	1/4" DIA. HOLE
27	1/4	1/4" DIA. HOLE
28	1/4	1/4" DIA. HOLE
29	1/4	1/4" DIA. HOLE
30	1/4	1/4" DIA. HOLE
31	1/4	1/4" DIA. HOLE
32	1/4	1/4" DIA. HOLE
33	1/4	1/4" DIA. HOLE
34	1/4	1/4" DIA. HOLE
35	1/4	1/4" DIA. HOLE
36	1/4	1/4" DIA. HOLE
37	1/4	1/4" DIA. HOLE
38	1/4	1/4" DIA. HOLE
39	1/4	1/4" DIA. HOLE
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42	1/4	1/4" DIA. HOLE
43	1/4	1/4" DIA. HOLE
44	1/4	1/4" DIA. HOLE
45	1/4	1/4" DIA. HOLE
46	1/4	1/4" DIA. HOLE
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48	1/4	1/4" DIA. HOLE
49	1/4	1/4" DIA. HOLE
50	1/4	1/4" DIA. HOLE
51	1/4	1/4" DIA. HOLE
52	1/4	1/4" DIA. HOLE
53	1/4	1/4" DIA. HOLE
54	1/4	1/4" DIA. HOLE
55	1/4	1/4" DIA. HOLE
56	1/4	1/4" DIA. HOLE
57	1/4	1/4" DIA. HOLE
58	1/4	1/4" DIA. HOLE
59	1/4	1/4" DIA. HOLE
60	1/4	1/4" DIA. HOLE
61	1/4	1/4" DIA. HOLE
62	1/4	1/4" DIA. HOLE
63	1/4	1/4" DIA. HOLE
64	1/4	1/4" DIA. HOLE
65	1/4	1/4" DIA. HOLE
66	1/4	1/4" DIA. HOLE
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68	1/4	1/4" DIA. HOLE
69	1/4	1/4" DIA. HOLE
70	1/4	1/4" DIA. HOLE
71	1/4	1/4" DIA. HOLE
72	1/4	1/4" DIA. HOLE
73	1/4	1/4" DIA. HOLE
74	1/4	1/4" DIA. HOLE
75	1/4	1/4" DIA. HOLE
76	1/4	1/4" DIA. HOLE
77	1/4	1/4" DIA. HOLE
78	1/4	1/4" DIA. HOLE
79	1/4	1/4" DIA. HOLE
80	1/4	1/4" DIA. HOLE
81	1/4	1/4" DIA. HOLE
82	1/4	1/4" DIA. HOLE
83	1/4	1/4" DIA. HOLE
84	1/4	1/4" DIA. HOLE
85	1/4	1/4" DIA. HOLE
86	1/4	1/4" DIA. HOLE
87	1/4	1/4" DIA. HOLE
88	1/4	1/4" DIA. HOLE
89	1/4	1/4" DIA. HOLE
90	1/4	1/4" DIA. HOLE
91	1/4	1/4" DIA. HOLE
92	1/4	1/4" DIA. HOLE
93	1/4	1/4" DIA. HOLE
94	1/4	1/4" DIA. HOLE
95	1/4	1/4" DIA. HOLE
96	1/4	1/4" DIA. HOLE
97	1/4	1/4" DIA. HOLE
98	1/4	1/4" DIA. HOLE
99	1/4	1/4" DIA. HOLE
100	1/4	1/4" DIA. HOLE

PART No.	USED ON
46001-430-52	46001-448-51, 52, 54 & 55
53	57, 58, 60 & 61

THESE DIMENSIONS ARE BASED ON THE ASSUMPTION THAT THE PARTS ARE MANUFACTURED TO THE DIMENSIONS SHOWN ON THE DRAWING. IF THE PARTS ARE MANUFACTURED TO OTHER DIMENSIONS, THE DIMENSIONS SHOWN ON THE DRAWING MAY BE DIFFERENT.

DATE	BY	CHKD	DATE	CHKD
7/7/85	J. J.			

SEE 775

D46001-430

PRINTS TO

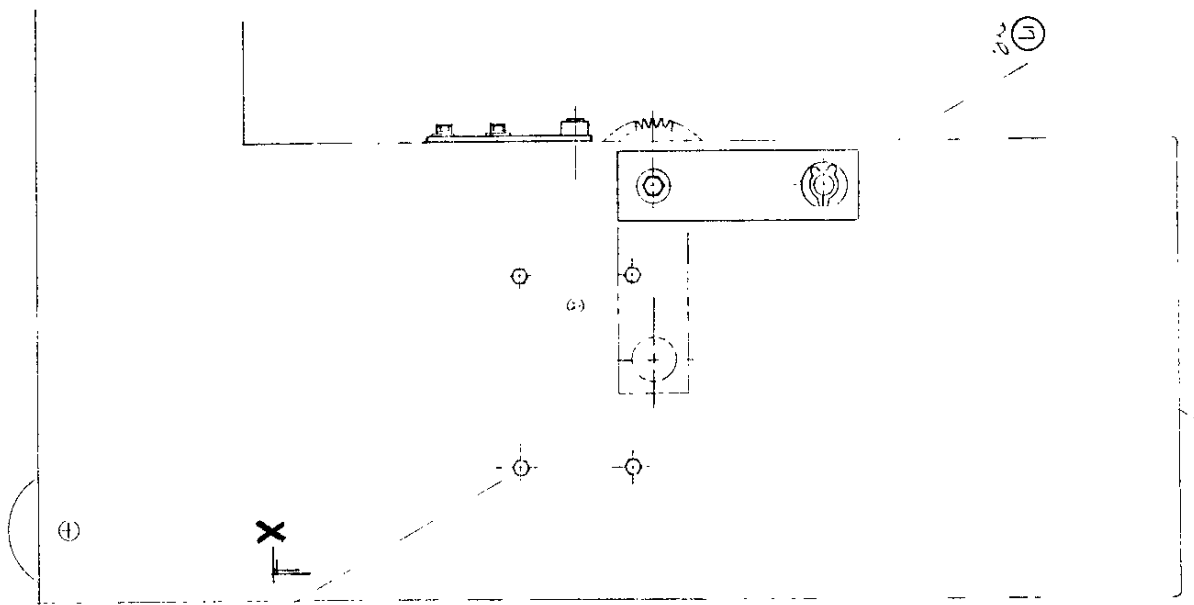
SOURCE D COMMAND

SM-51A TENSILE USA

ITEM	PART NO.	NEW									DESCRIPTION	RELEASED ON			RELEASED ON			RELEASED ON										
			A	B	C	D	E	F	G	H		REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY					
1	A46001-1167-50	1									CLUTCH DRIVE SUB-ASS'Y.																	
2	B46001-102-50	2									ACTUATING LEVER WLDM'T.																	
3	A46001-389-50	1									WORM SUPPORT ASS'Y.																	
4	A46001-366-03	2	O								FLANGE BEARING-																	
5	B46001-104-01	1									ACTUATING LEVER SHAFT																	
6	A46001-056-01	1									WORM GEAR																	
7	A46001-107-01	2									ACTUATING LEVER ROLLER																	
8	21490-20160	4		O							SCREW - S. TAP - 1/4-20 X 1/2 Lg.																	
9	21401-20200	2			O						SCREW-HEX. HD. 1/4-20 x 1/2 Lg. STL.																	
10	23601-00200	2									WASHER - 1/4 PLAIN																	
11	23701-00200	2									WASHER - 1/4 HELICAL SPRG.																	
12	21401-22320	2		b							SCREW-HEX. HD. 5/16-18 x 1" Lg.																	
13	23701-00220	2		b							WASHER - 5/16 HELICAL SPRG.																	
14	23601-00223	2									WASHER - 5/16 PLAIN (1.125 O.D.)																	
15	29006-16320	1									KEY-WOODRUFF No. 808																	
16	22903-20080	1									SCREW-SET - 1/4-20 X 1/4 Lg. S.H.																	
17	21401-00002	2									1/2" X-WASHER																	
24	24209-16480				1						SPRING PIN - 1/4 x 1 1/2 LG																	
25	23002-00200				2						NUT - 1/4-20 UNC STL. Hex.																	
26	46002-471-01				1						CLUTCH STOP BRACKET																	
27	21401-20240				2		1				SCREW - HEX. HD. 1/4-20 UNC X 3/4 LG																	
4	46001-366-04	2									FLANGE BEARING																	
18	23601-00220			4							WASHER - 5/16 PLAIN																	
19	23002-00220			4							NUT 5/16-18 HEX. STL. (REG.)																	
20	29404-02430				2						PRESS NUT - 3/8-16 UNC																	
21	23601-00240				2						3/8 FLAT WASHER																	
22	23701-00240				2						3/8 HELICAL WASHER																	
23	21401-24320				2						3/8-16 UNCX 1 HEX. HD. STL. SCR.																	

DO NOT SCALE		RK TO DIMENSIONS		REV	C 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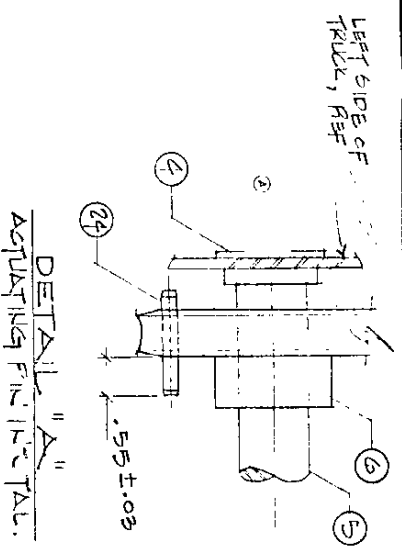
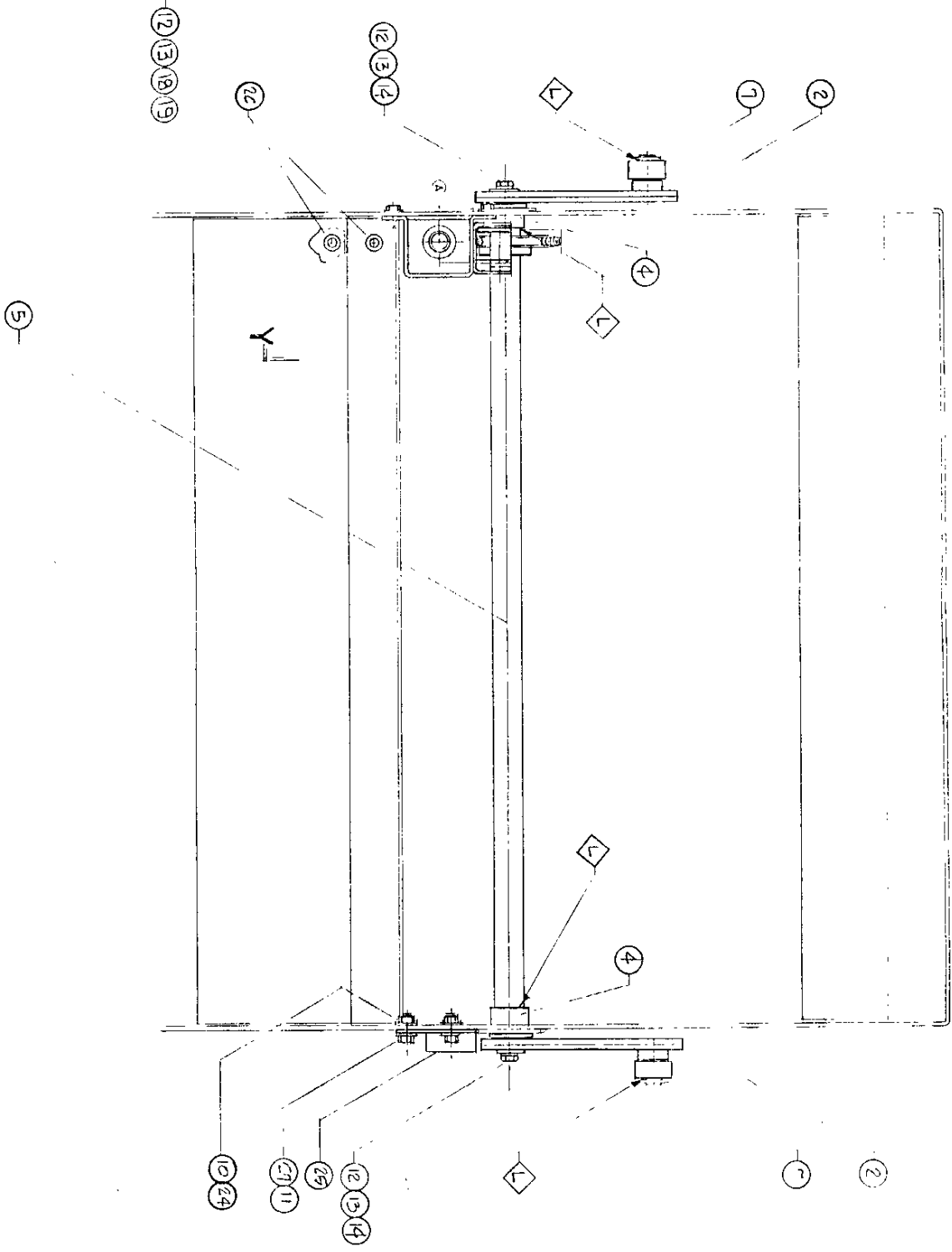


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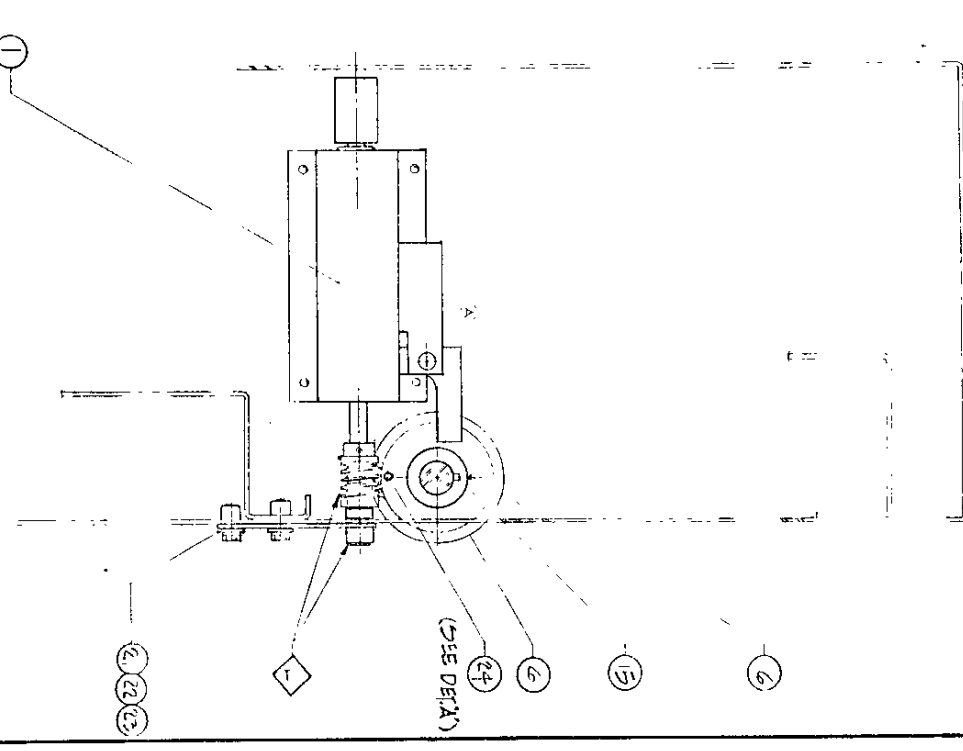
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2. SEARING SURFACES NOTED TO BE LUBRICATED WITH
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SECTION X-X



DETAIL "A"
ACTUATING FINITIAL.

SECTION Y-Y



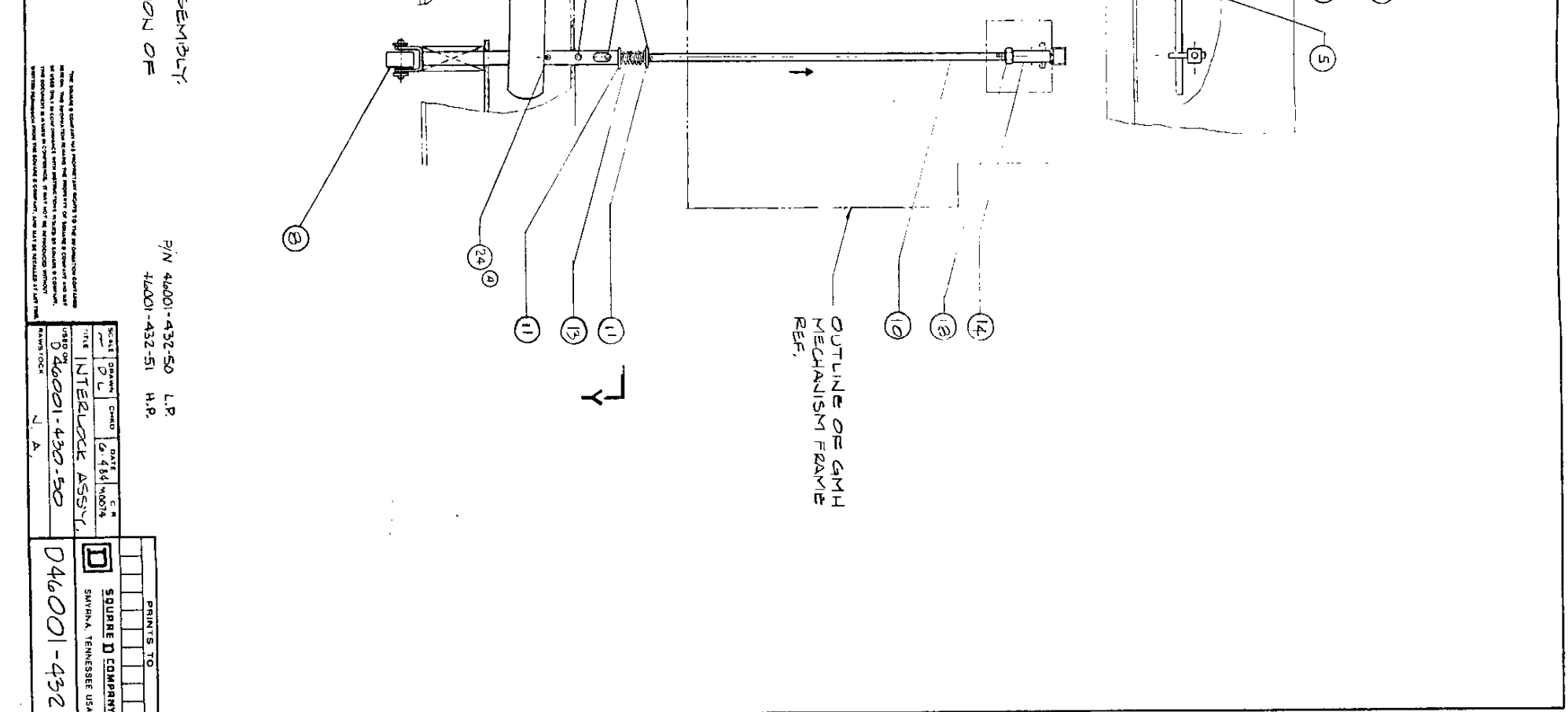
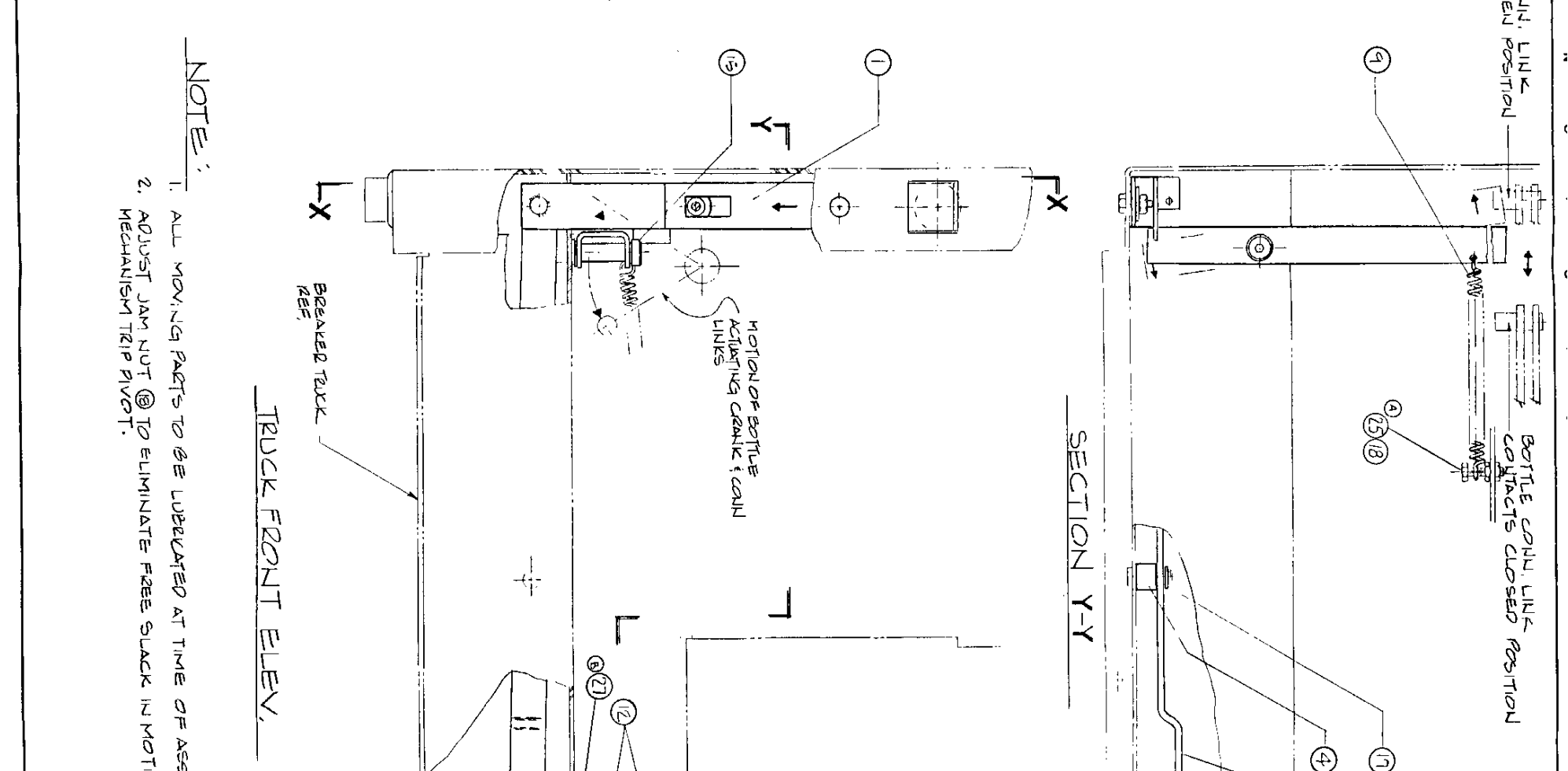
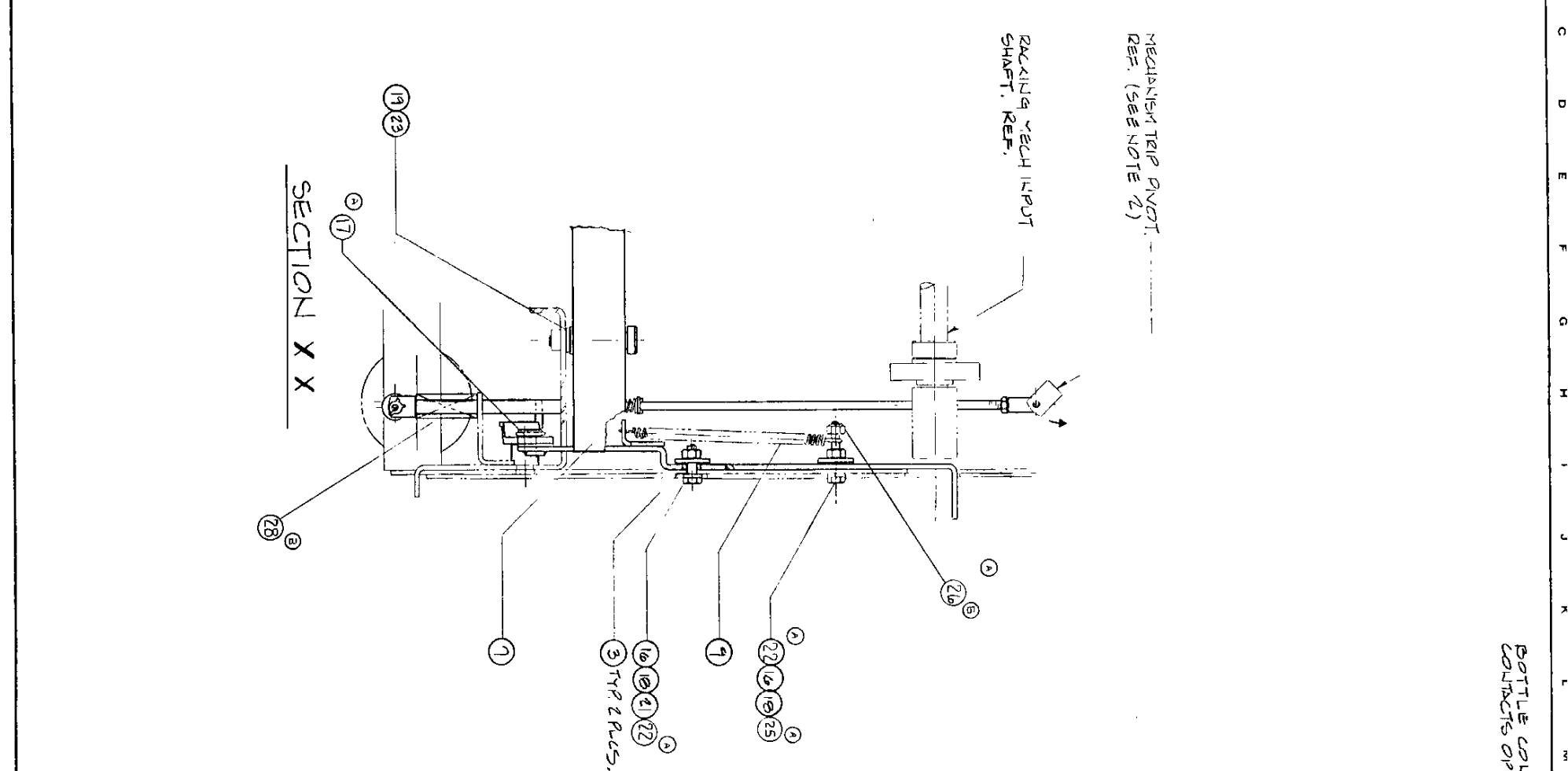
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PROJECT	DATE	SCALE	BY	CHECKED	DATE	SCALE	BY	CHECKED	DATE
46001-431-50	7-21-51	1/8" = 1"	DL	DL	7-21-51	1/8" = 1"	DL	DL	7-21-51
SQUARE D COMPANY SMYRNA, TENNESSEE USA									

ITEM	PART NO.	NEW									DESCRIPTION	REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY
			A	B	C	D	E	F	G	H													
1	46001-222-50	1									DOOR SLIDE WELDMENT												
3	46001-235-01	2									SPACER												
4	46001-355-01	1									INTERLOCK SPACER												
5	46001-226-01	1									INTERLOCK CONNECTING LINK												
											TRIP ROD ASSY.												
8	46001-436-50	1									EXTENSION SPRING												
9	46001-365-01	2									TRIP ROD EXTENSION H.P.												
10	46001-732-01	1									WASHER - 1/4 PLAIN												
11	23601-00200	2									SPRING PIN-SLOTTED .125 DIA. x 1/2 Lg.												
12	24209-08160	2									COMPRESSION SPRING												
13	46001-449-01	1									TRIP CLEVIS-TOP												
14	46001-335-01	1									SHOULDER SCREW 1/2 DIA. x 1/2 Lg. 3/2-16 THD.												
15	22999-39910	1									WASHER-1/4 PLAIN TYPE 3												
16	23601-12830	2									X WASHER, 1/4 PLAIN												
17	29929-10015	2									WASHER-1/4 PLAIN												
18	23601-00100	4	5								WASHER-3/4 PLAIN												
19	23601-00242	1																					
21	21401-20280	1									SCREW-HEX HD. 1/4-20 x 7/8 Lg.												
22	23701-00100	1	5								WASHER-1/4 PLAIN TYPE 3												
23	23701-00100	1									WASHER-1/4 PLAIN TYPE 3												
24	24209-12180	1									SPRING PIN SLOTTED 1/8 DIA. x 1/2 Lg.												
25	21401-20400	2									SCREW-HEX HD. 1/4-20 x 1 1/4 Lg.												
26	23201-00200		1								1/4-20 LOCKNUT, W/ NYLON WASHER INSERT												
27	24209-12160		1								SPRING PIN SLOTTED 3/16 DIA x 1/2 LG.												
28	46001-476-04		1								HELICAL COMPRESSION SPRING												

REV	C R	DATE	BY
A		11-27-84	RDW
B		7-9-85	RDW

DO NOT SCALE - WORK TO DIMENSIONS	LINEAL DIM	TWO PLACE DECIMAL	THREE PLACE DECIMAL	FRACTIONAL LETTER OR NUMBERED DIMS	THREE PLACE DECIMAL	THREE PLACE DECIMAL
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	HOLE DIA	CHARACTERISED	CHARACTERISED	CHARACTERISED	CHARACTERISED	CHARACTERISED



NOTE:

1. ALL MOVING PARTS TO BE LUBRICATED AT TIME OF ASSEMBLY.
2. ADJUST JAM NUT (28) TO ELIMINATE FREE SLACK IN MOTION OF MECHANISM TRIP PIVOT.

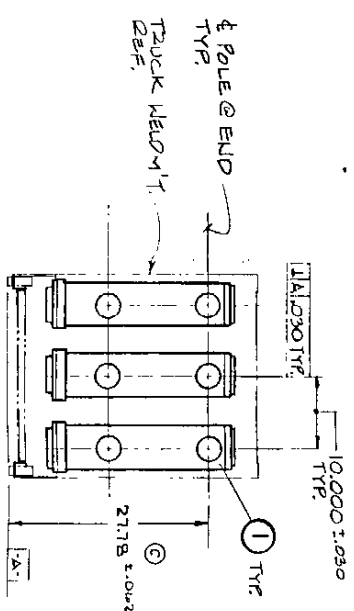
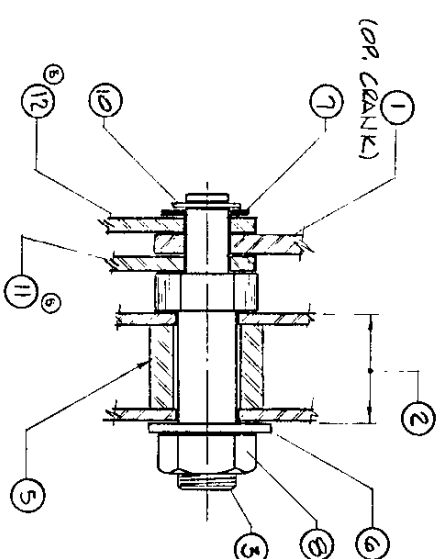
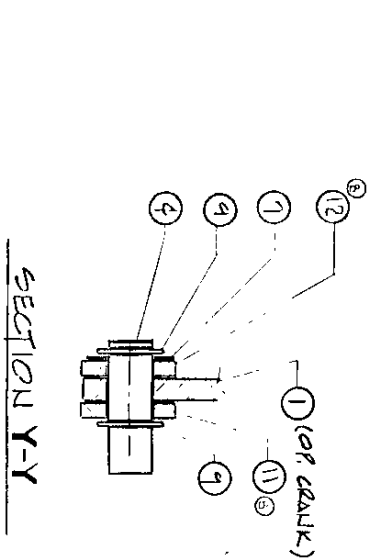
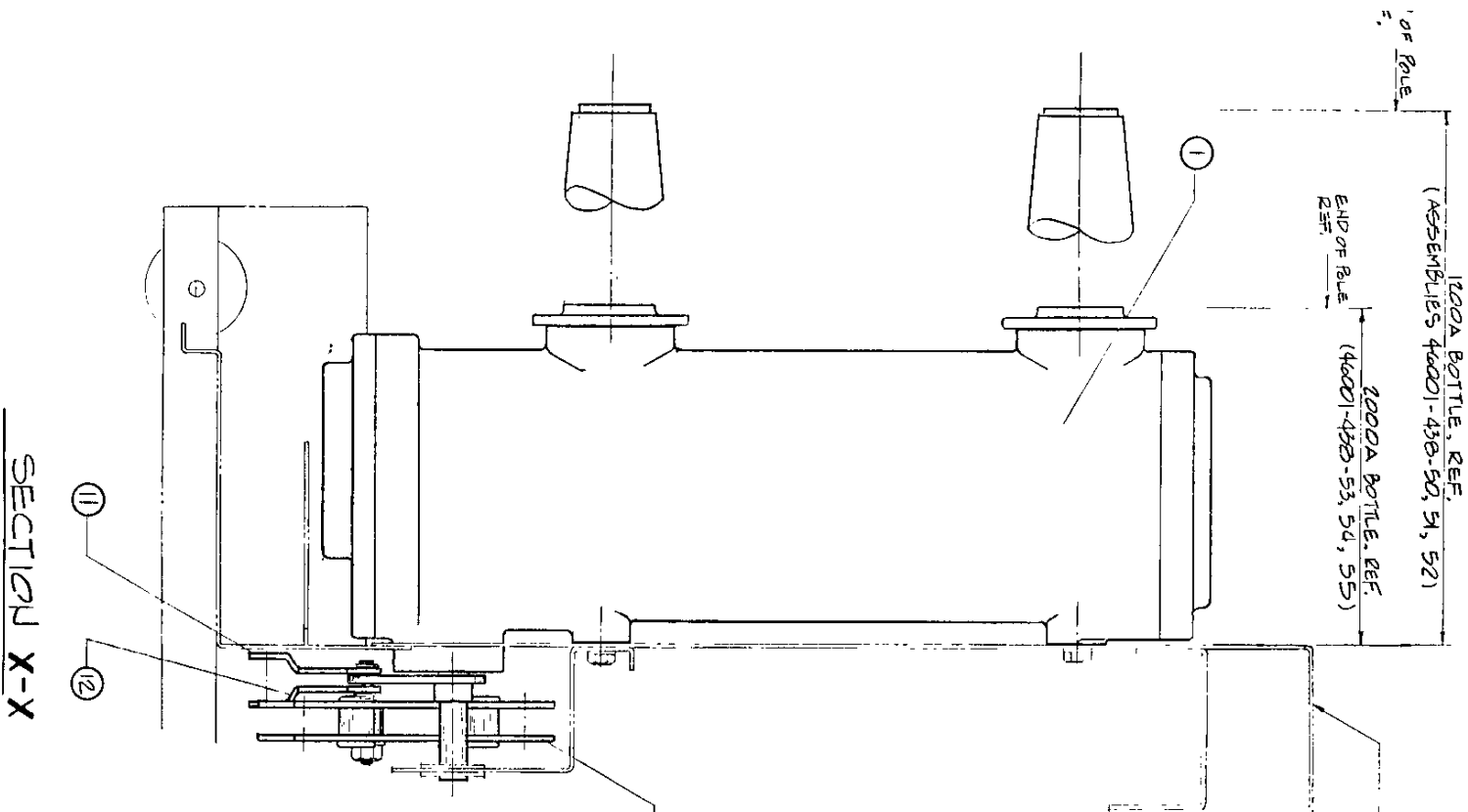
P/N 46001-432-50 L.P.
H4001-432-51 H.P.

SCALE	DRAWN	CHECKED	DATE	C.M.
1" = 1"	D.L.	G.D.B.	11/27/84	
TITLE INTERLOCK ASSY.				
P/N 46001-432-50				
DRAWN / CHECKED				

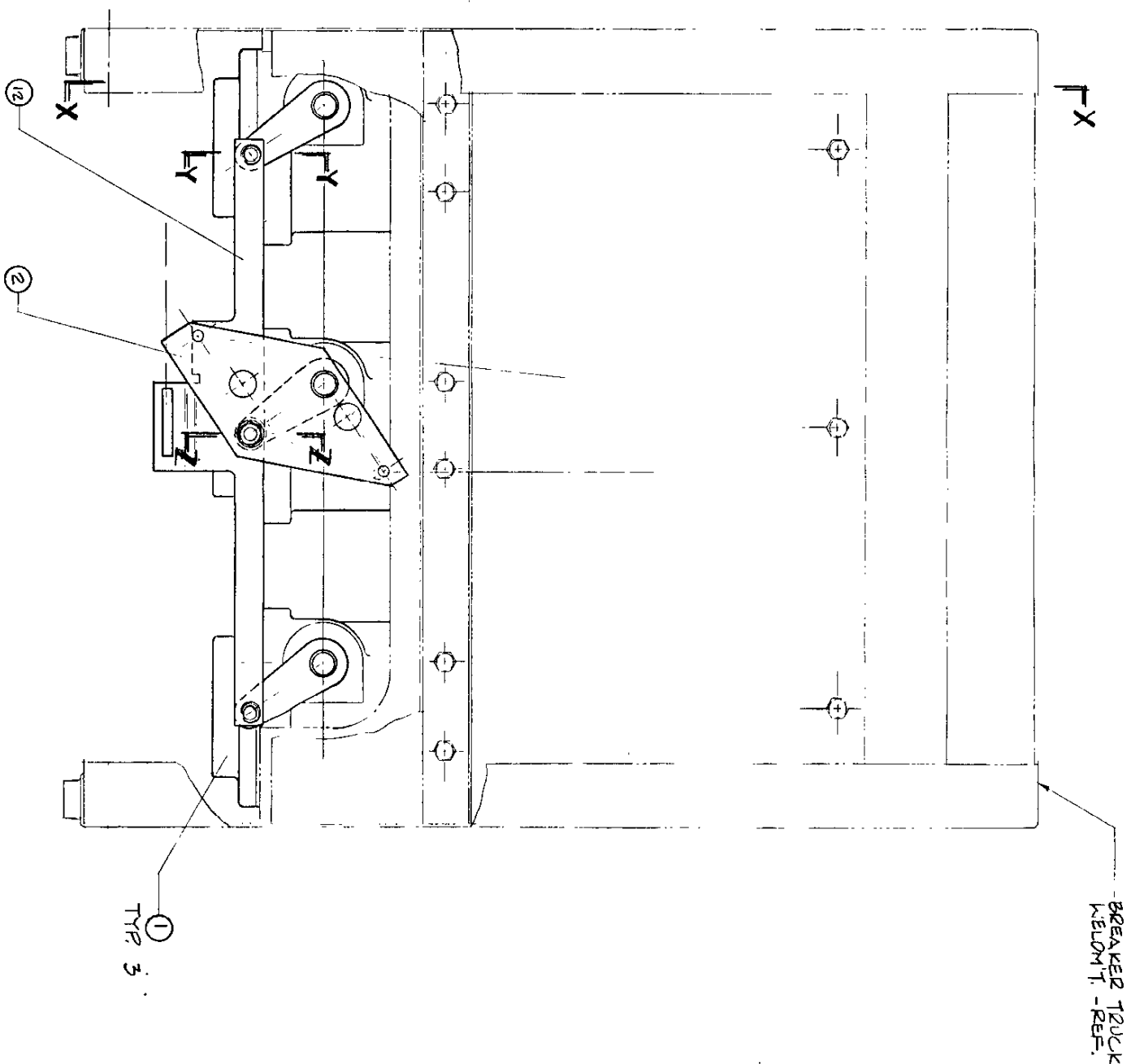
PRINTS TO	046001-432
SOURCE	046001-432
SAVING	046001-432

[illegible]

Notes: 1. LUBRICATE ALL MOVING PARTS WITH GREASE.

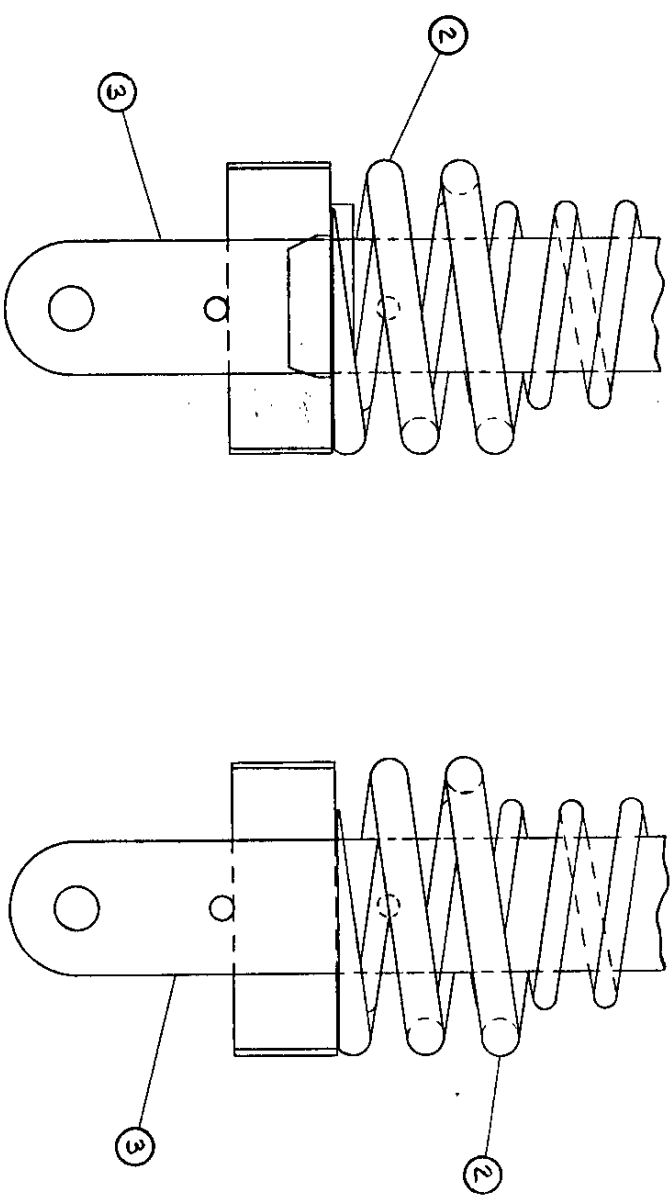
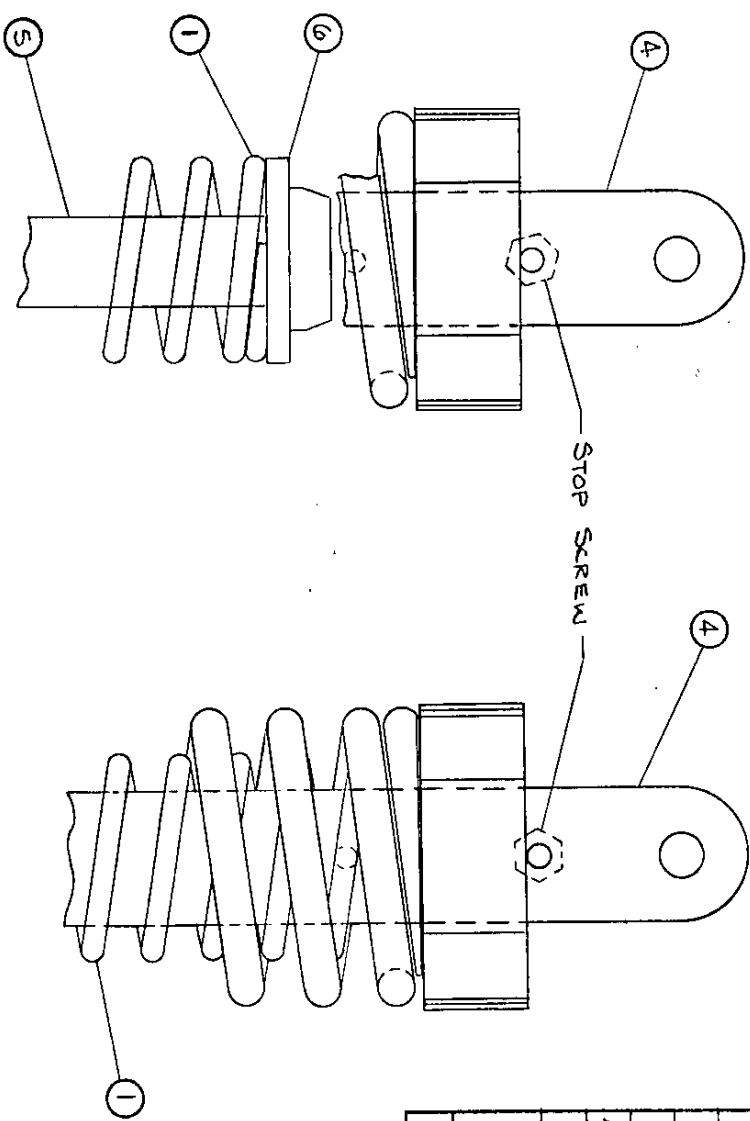


BEAR ELEV.
BOTTLE POSITION DIAGRAM
(NO SCALE)



ASSEMBLIES 46001-438-50, 51, 52			
53, 54, 55, 56, 57 & 58			
SCALE	DATE	BY	CHKD
3/8" DL	6-21-84	W0074	
TITLE			
BOTTLE LUBRICATION ASSEMBLY			
DRAWN BY			
D46001-438			
SOURCED COMPANY			
SMITH, TENNESSEE USA			

SPRING I.D. CODING			
PART NUMBER	USED ON	ITEM #1 COLOR	ITEM #2 COLOR
46001-446-50	46001-430-50,51	BLUE	BLUE
46001-446-51	46001-430-52,53	RED	RED
46001-446-52	44080-183-50,52,53	BLUE	YELLOW
	44080-549-50		



46001-446-51

46001-446-50 & 52

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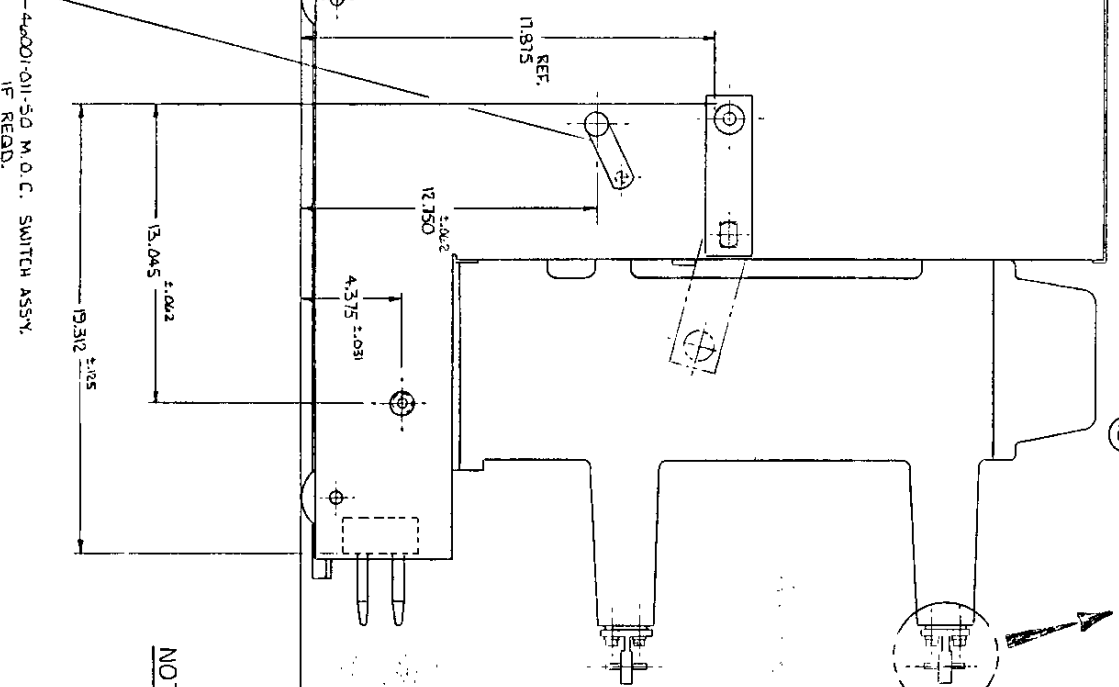
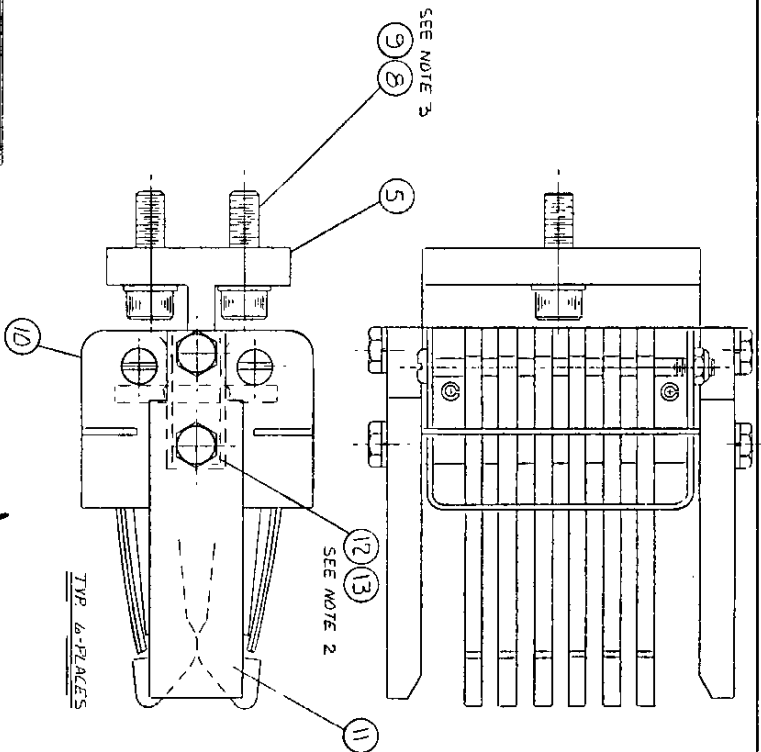
SCALE	DRAWN	CHKD.	DATE	C.D.
FULL	SRJ		2-25-84	M0145
OPENING SPRING ASSY				
USED ON				
RAW/TECH				
PRINTS TO				
C46001-446				
SQUARE D COMPANY SMYRNA, TENNESSEE USA				

PAGE 1 OF 1	ASS'Y DESCRIPTION BREAKER ASS'Y. 1200A-500 MVA-13.8 KV	ASS'Y NO. 46001-448-50	DR SIZE A	LAST REV.
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[illegible]

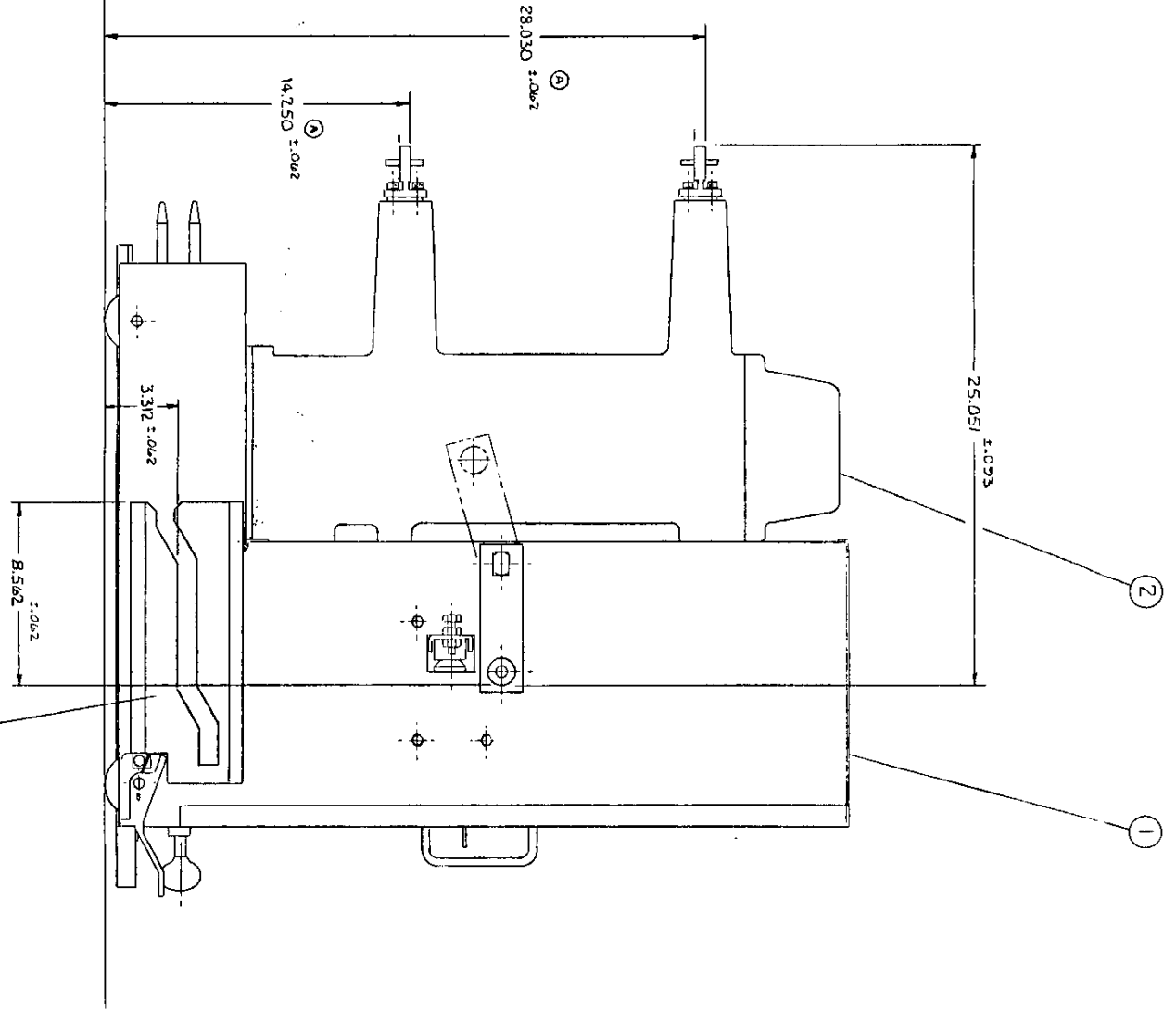
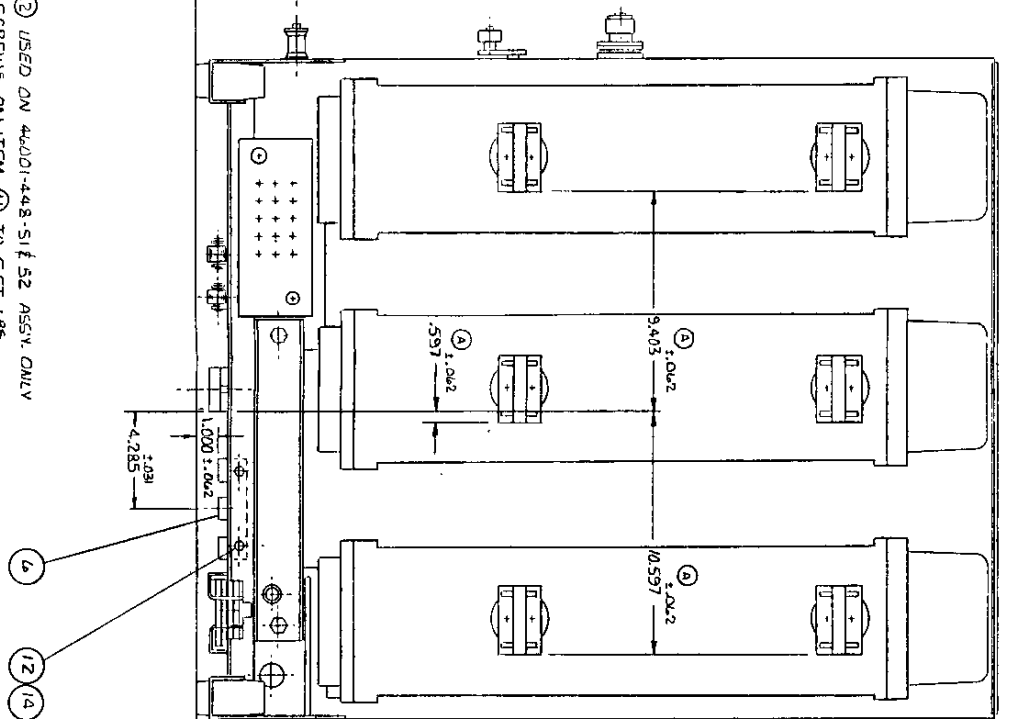
ITEM	PART NO.	NEW	BREAKER ASSY. COMMON PARTS								DESCRIPTION	RELEASED ON				
			A	B	C	D	E	F	G	H		REV	C.R. NO.	DATE	BY	
1	46001-430-50	1			0						BREAKER TRUCK ASSY. COMMON PARTS	REV				
2	46001-438-51	1									BOTTLE & LINKAGE ASSY. 1200A 250MVA		MCC044	4-17-84	KLVAI	
3	46001-446-51	1			0						OPENING & CLOSING ASSY. (HIGH POWER)	A	MCC074	4-21-84	KLVAI	
4	46001-447-51	1			0						H.M.H. OPERATING MECH. SUB HOIST. H.P. II	B	MCC082	4-14-84	JC	
5	46001-440-50	1		0							CAGE & RUNBACK ASSY. 1200A					
6	46001-486-01		1								CODE PLATE					
7	21490-20160		2		0						SCREW-S. TAP 1/4-20 X 1/2 Lg.					
8	46001-440-52			1	0						CAGE & RUNBACK ASSY. 1200A					
9	46001-438-52				6						RUNBACK SUB ASSY.					
10	20360-48300				12						SOCKET HEAD CAP SCREW M8x1.25x30MM Lg.					
11	845477				12						WASHER-SPECIAL 8MM					
12	46001-263-51				6						CONTACT ASSY. 1200A					
13	46001-648-01				12						ALIGNMENT BAR					
14	21401-20320				26						SCREW-HEX. HD. 1/4-20 x 1" Lg.					
15	23701-00200				24						WASHER-1/4 HELICAL SPRING					
16	23002-00200				2						NUT 1/4-20 HEX. STL. (REG.)					
17	46001-430-52				1						BREAKER TRUCK ASSY. COMMON PARTS (H.P.)					

DO NOT SCALE - X TO DIMENSIONS		REV	C R	DATE	BY
		A	MD/5B	8-28-85	R20W
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED					
LINEAL DIM	IN	THREE PLACE DECIMAL			
HOLE DIA	IN	FRACTIONAL LETTER THIN NUMBERED DRILL			
ANGLE	DIMENSIONED	UNLESS OTHERWISE SPECIFIED			



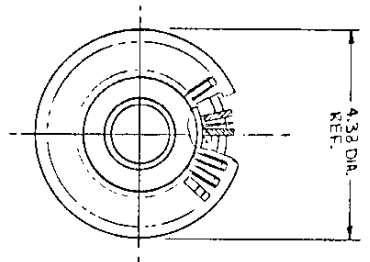
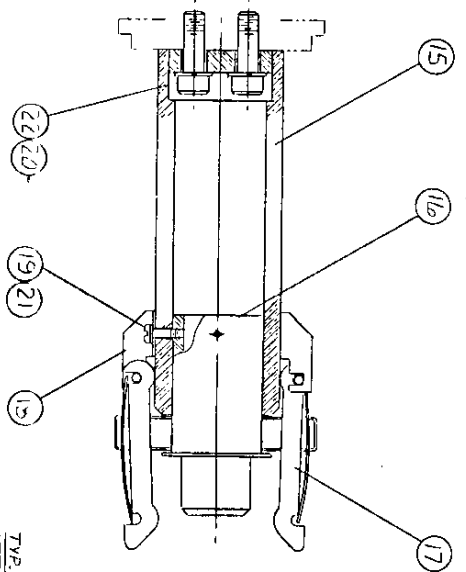
NOTES:

1. ITEMS ⑪ & ⑫ USED ON 44001-448-S1 & S2 ASSY. ONLY
2. TORQUE 1/4" SCREWS ON ITEM ⑪ TO 5 FT. LBS.
3. TORQUE 3/8" S.H.C.S. ON RUNBACK TO 15 FT. LBS.

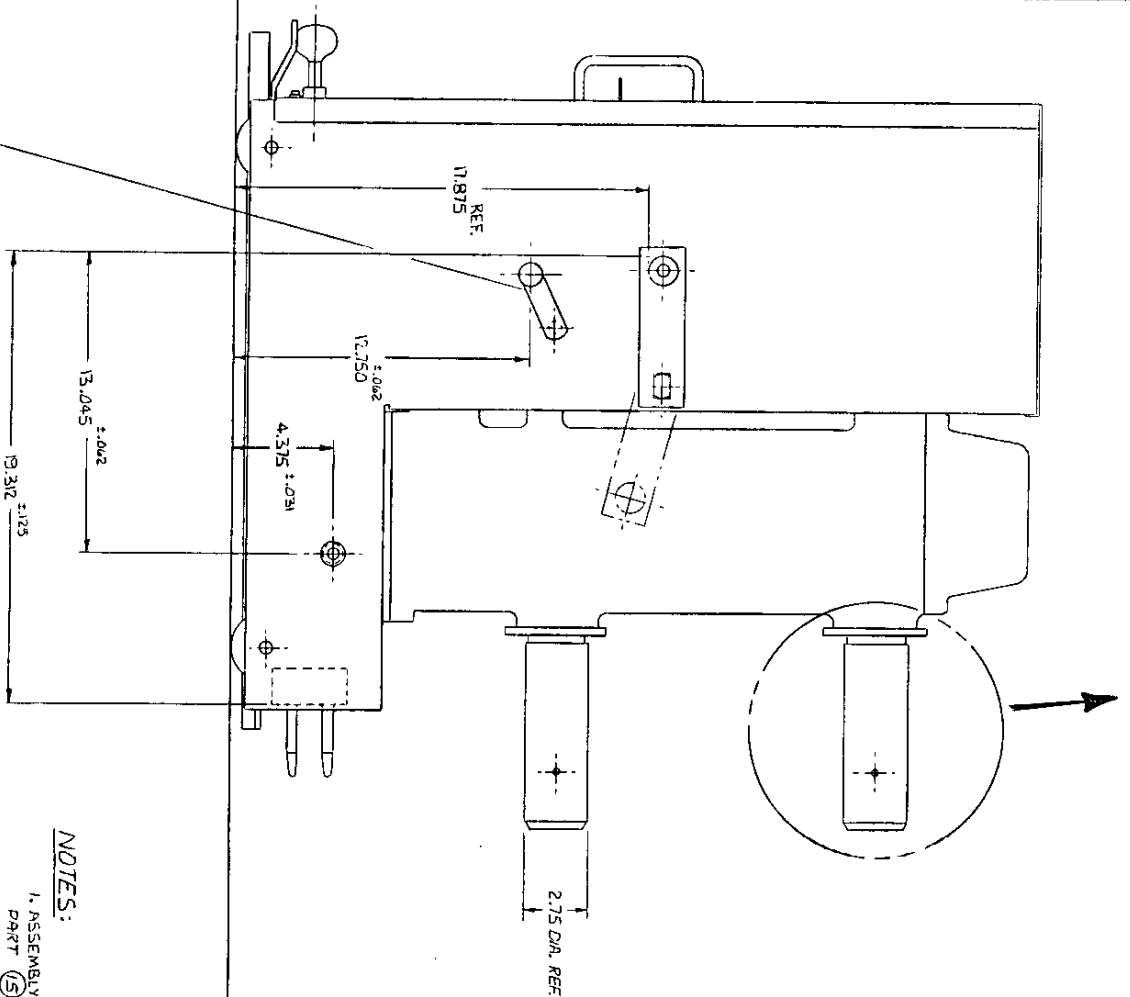


P/N 44001-448-50, S1 & S2

SCALE	DRAWN	CHKD	DATE	C.R.
1/2"=1'-0"	MD/5B	MD/5B	12/15/84	MD/5B
TITLE	BREAKER ASSY. (1200A)			
USED ON	N.A.			
PRINTS TO	SOURCE COMPANY			
	SUPRIYA, TENNESSEE USA			
	D44001-448			
	SHEET 1 OF 2			



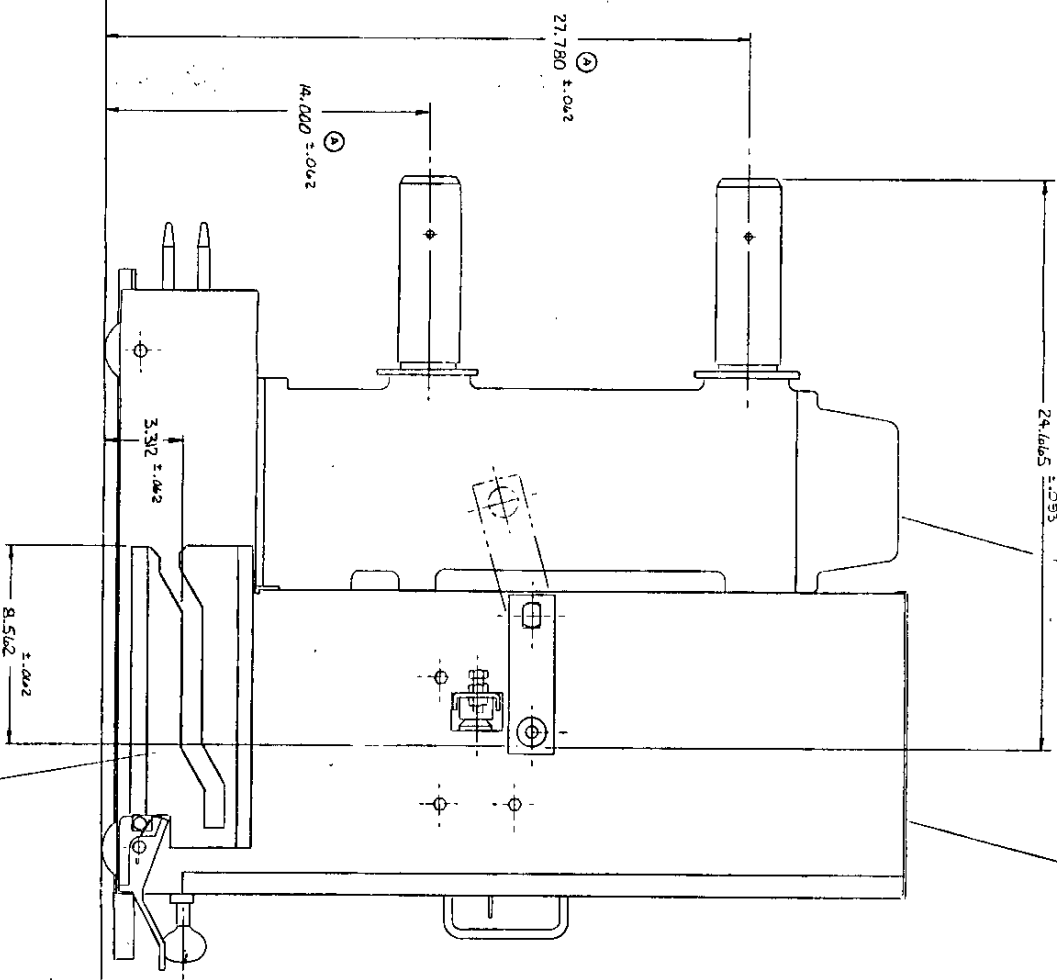
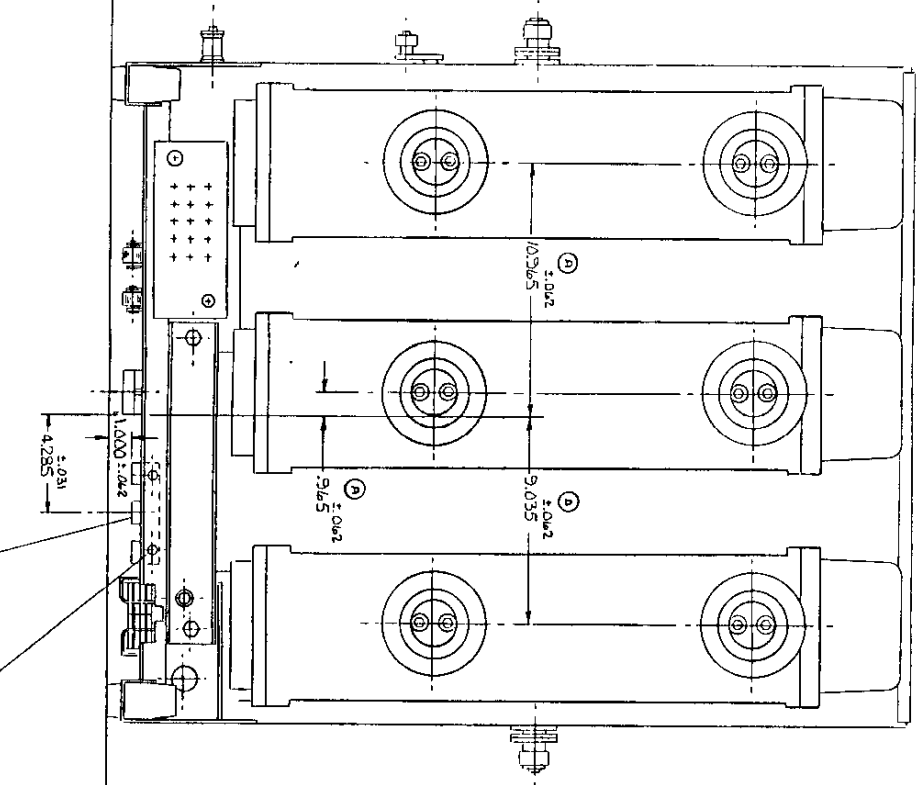
TYPE 6 PILES



NOTES:

1. ASSEMBLY REQUIRES ATTACHMENT OF TUBE PART (15) TO BREAKER BOTTLE PRIOR TO INSERTION OF SPACER PART (16)
2. TORQUE ITEM (22) 12 MM S.M.C.S. TO 45 FT LBS. AFTER ALIGNMENT OF ITEM (15)

(15) (12) (14)

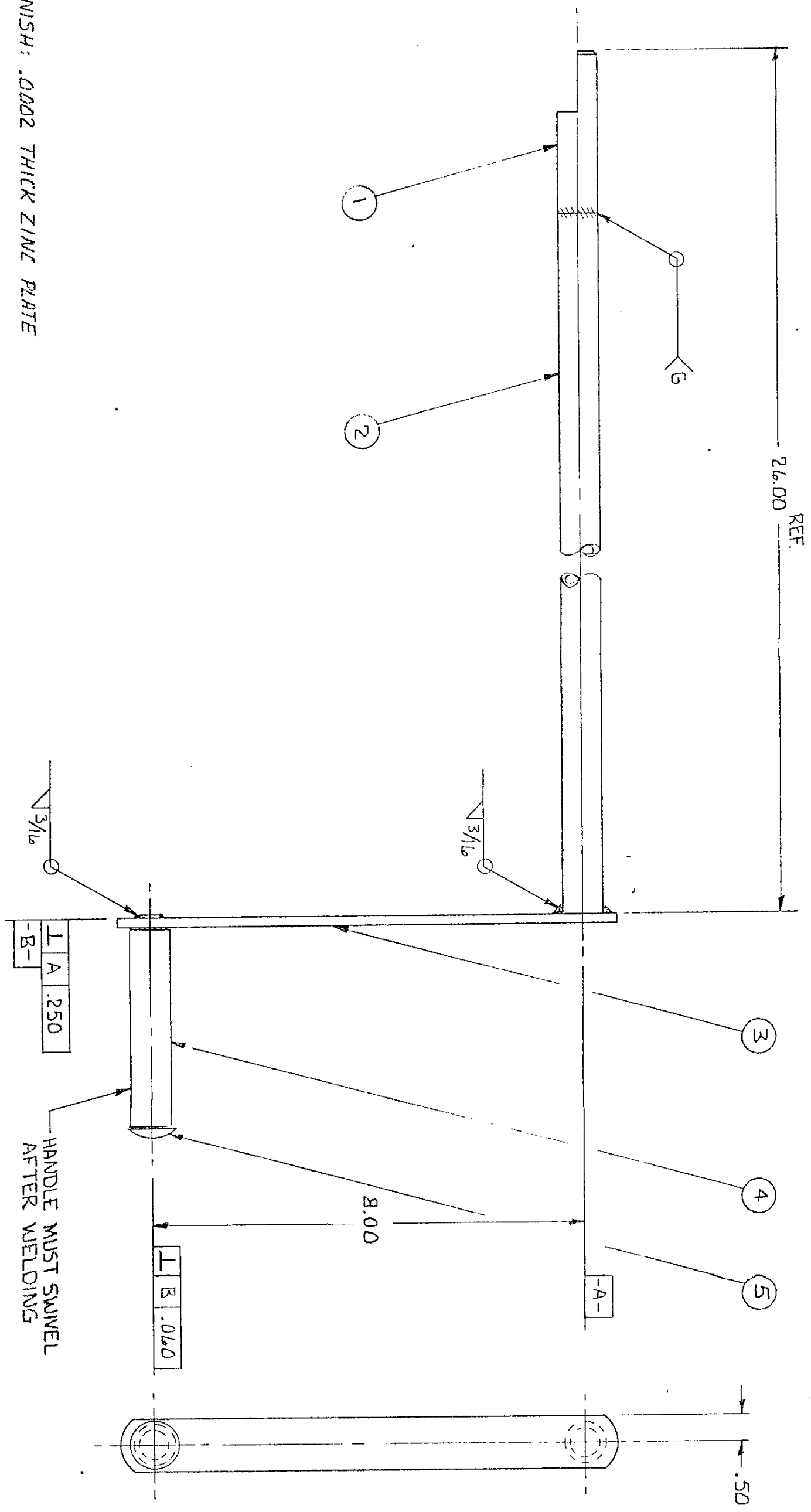


44001-125-50 CELL SWITCH ASSY.
IF RECD.

A B C D E F G H I J K L M N O P

DO NOT SCALE - WORK TO DIMENSIONS				REV.	C. R.	DATE	BY										
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL THREE PLACE DECIMAL															
	HOLE DIA.	FRACTIONAL, LETTER, OR NUMBERED DRILL THREE PLACE DECIMAL															
	ANGLE	DIMENSIONED $\pm 1^\circ$ UNDIMENSIONED $90^\circ \pm 5^\circ$															

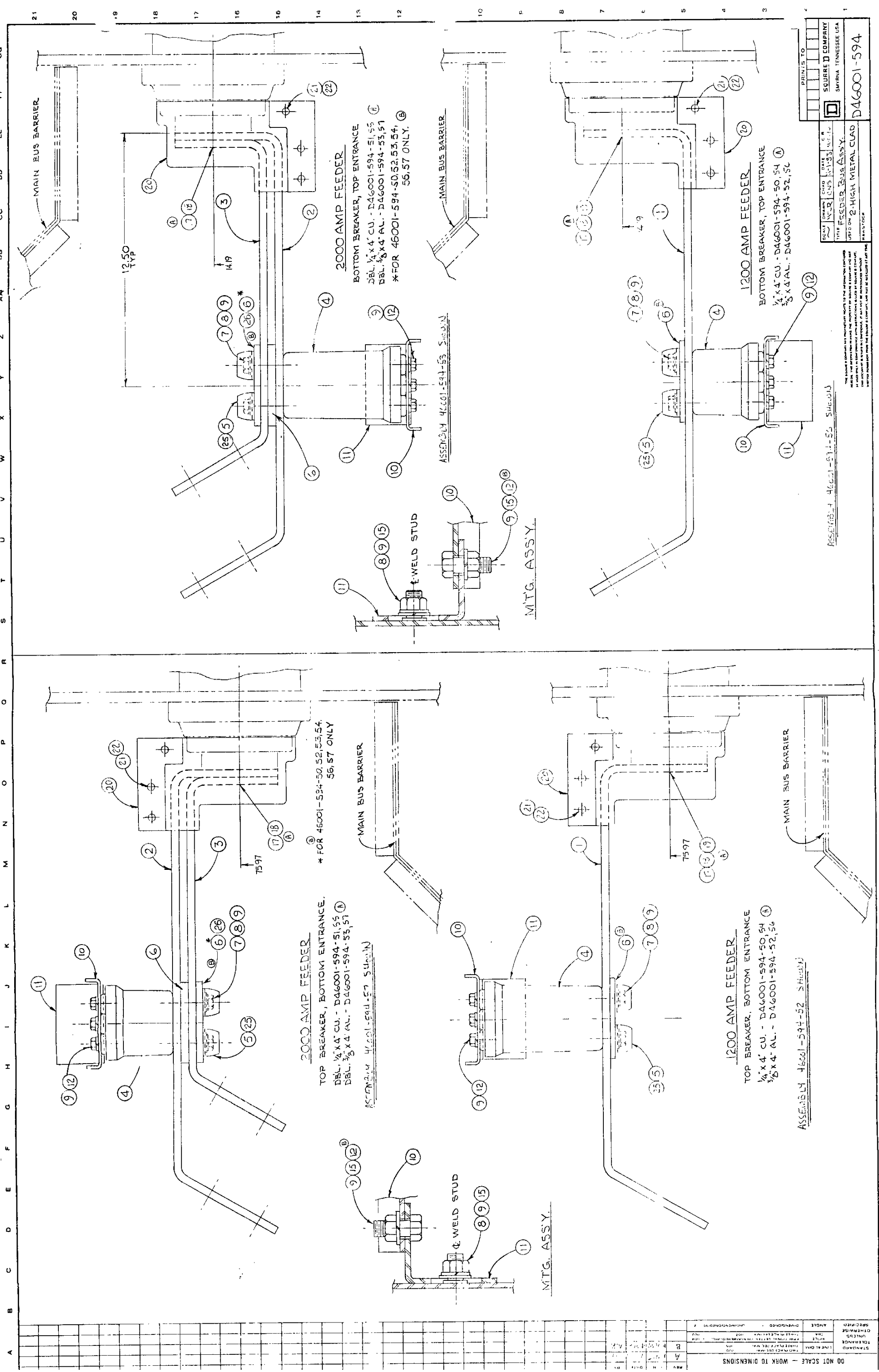
FINISH: .0002 THICK ZINC PLATE



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SCALE				SCALE				P/N 46001-463-50				PRINTS TO			
DRAWN				DATE				C.R.				SQUARE D COMPANY			
HALL R.D.W.				5-18-84				MCO74				SMYRNA, TENNESSEE USA			
TITLE				CRANK ROD WELDMENT				B46001-463							
USED ON				RAWTOOK				SEE DETAIL PARTS							

[illegible]



PRINTED TO	
DATE	NOV 11 1953
BY	W. R. C. S.
SQUIRE D COMPANY SMYRNA, TENNESSEE, USA	
D46001-594	

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PAGE 1 OF 1

ASS'Y DESCRIPTION FEEDER BUS - ASSEMBLY
1200 AMP. - 1/4" X 4" CU. - SINGLE BUS 15KV

ASS'Y NO.
46001-595-50

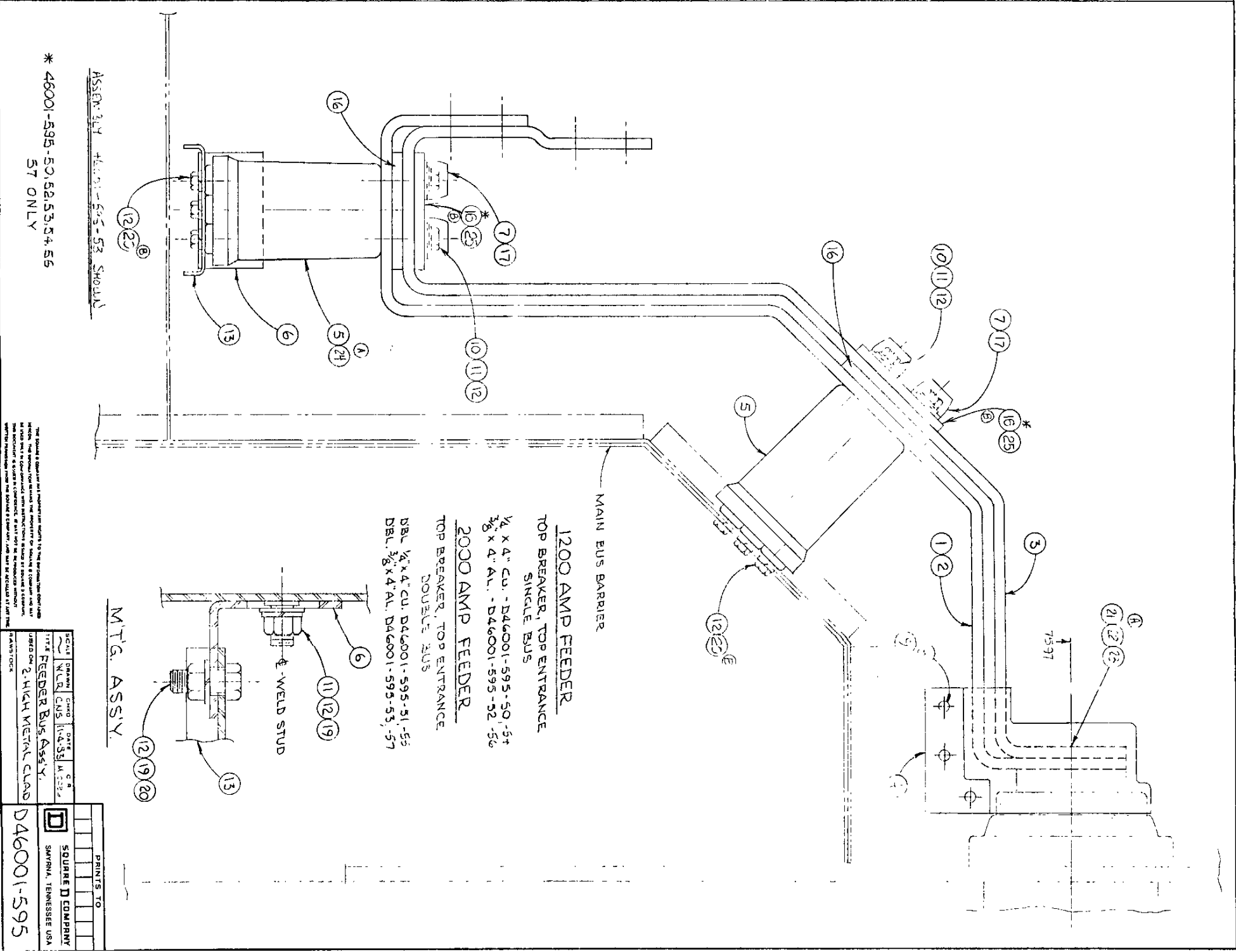
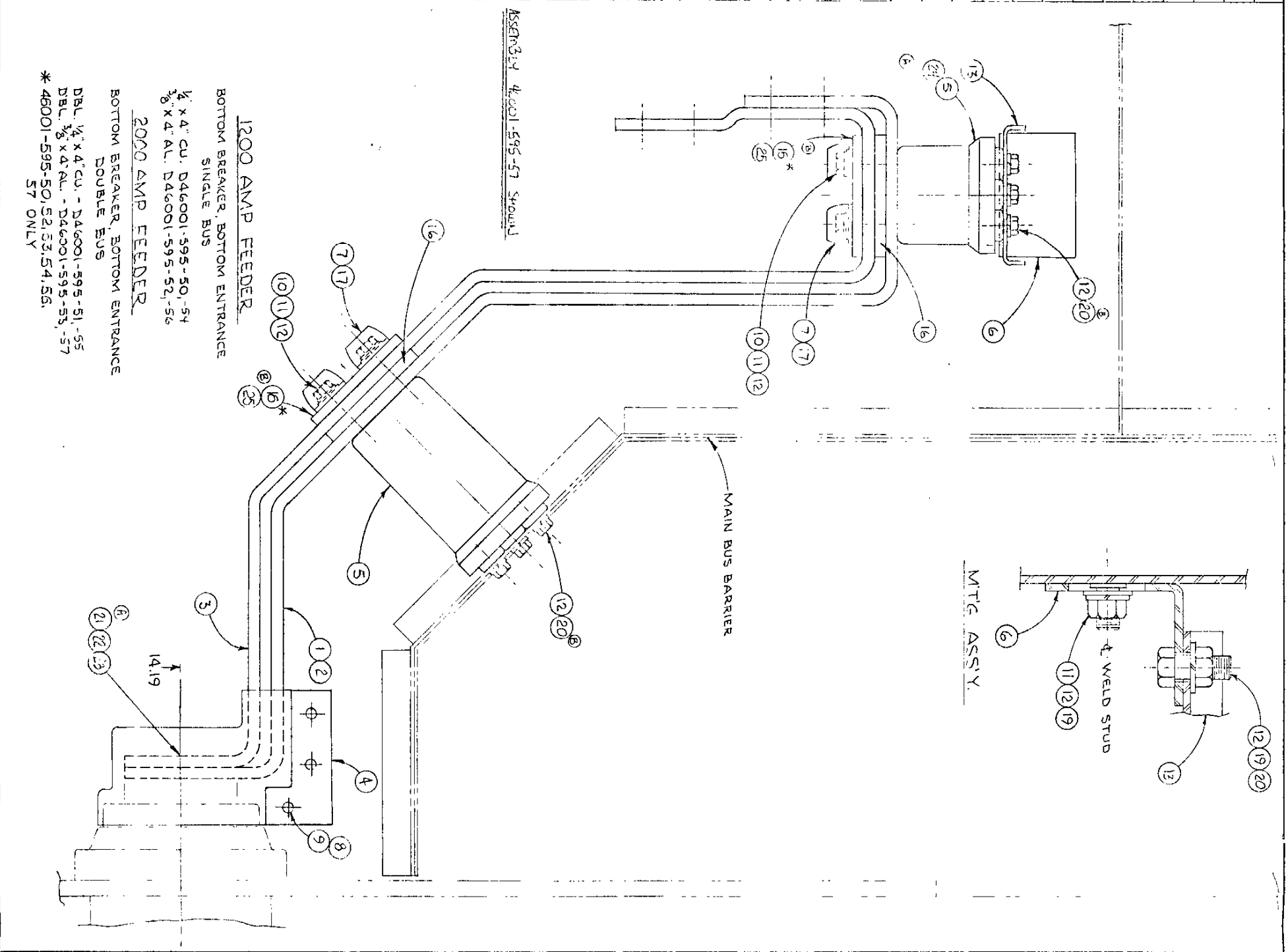
DR. SIZE D

LAST REV.

ITEM	PART NO.	NEW									DESCRIPTION	REV	RELEASED ON			REV	RELEASED ON			REV	RELEASED ON		
			A	B	C	D	E	F	G	H			C.R. NO.	DATE	BY		C.R. NO.	DATE	BY		C.R. NO.	DATE	BY
1	C46001-538-50	3									1/4" X 4" CU. FEEDER BUS												
2																							
3																							
4	I46001-309-01	3									BUS BOOT (SGL. 1/4" X 4" BUS)												
5	29903-01930	6 0									15KV INSULATOR												
6	B46001-069-01	2									MOUNTING ANGLE												
7	A44050-070-01	12									BOLT COVER CAP												
8	21418-22320	15	9								5/16"-18 X 1" NYLON BOLT												
9	23099-02202	15	9								5/16"-18 NYLON HEX NUT												
10	21401-24400	36		0							3/8"-16 X 1 1/4" H.H.S.C.S.												
11	23601-00240	16									3/8" FLAT WASHER												
12	23701-00240	44									3/8" LOCK WASHER												
13	B46001-068-01	1									INSULATOR SUPPORT												
14																							
15																							
16	44060-529-01			6							1/4" X 2" GLASTIC SPACER												
17	1571-001193	12 02									SILICONE SEALANT												
18																							
19	23040-24000	8									3/8"-16 HEX NUT												
20	21401-24280	4		22							3/8"-16 X 7/8" H.H.S.C.S.												
5	80029 002 03		6								15 KV PORCELAIN INSULATOR												
21	21401-28742			6							1/2-13 X 3 1/4" LG HHSCS GRAPE S												
22	23601-00280			6							1/2 WASHER												
23	23701-00380			6							1/2 H.S. LOCKWASHER												
10	21401-24480				12						3/8-16 X 1 1/2 LG. H.H.S.C.S.												

NOTE BOTTOM BREAKER, BOTTOM ENTRANCE
TOP BREAKER, TOP ENTRANCE

DO NOT SCALE - SEE DIMENSIONS		REV	C R	DATE	BY
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED		A	M D	12/28/85	J H
LINEAL DIM		B	M D	12/28/85	A K
HOLE DIA					
ANGLE					



ASS'Y DESCRIPTION 1200 AMP TIE, TRANSITION BUS ASSEMBLY - 1/4" X 4" COPPER										ASS'Y NO. 46001-596-50	DWG SIZE D	LAST REV.	NOTE ASSEMBLY USED WHEN A BREAKER IS IN TOP OF TRANSITION BAY.	DISTRIBUTION			
ITEM	PART NO.	NEW	A	B	C	D	E	F	G	H	U/M	DESCRIPTION	RELEASED ON				
													REV	C.R. NO.	DATE	BY	
1	B46001-068-01	7										INSULATOR SUPPORT					
2	B46001-069-01	12										MOUNTING ANGLE					
3	C46001-552-50	1										AΦ TIE BREAKER BUS					
4																	
5	C46001-553-50	1										BΦ TIE BREAKER BUS					
6																	
7	C46001-556-50	1										CΦ TIE BREAKER BUS					
8																	
9	C46001-559-01	3										TRANSITION CROSS BUS					
10	C46001-560-01	3										AΦ TRANSITION RISER BUS					
11																	
12																	
13																	
14																	
15																	
16																	
17	21401-26742				12							12-15 X 3/4" H.H.S.C. CLAMP B					
18	23601-0012				12							1/2" WASHER					
19	23701-00280				12							1/2" H.S. LOCKWASHER					
20																	
21																	
22																	
23	29903-01930	10	0									15 KV INSULATOR					
24	21418-22320	52			50							5/16"-18 X 1" NYLON BOLT					
25	23099-02202	52			50							5/16"-18 NYLON HEX NUT					
26	A44050-070-01	20										BOLT COVER CAP					
27	21401-24400	20				0						3/8"-16 X 1 1/4" H.H.S.C.S.					
28	23601-00240	44										3/8" FLAT WASHER					
29	23701-00240	72				8						3/8" LOCK WASHER					

ASS'Y NO.
46001-596-50

DWG. SIZE D

LAST
REV.

ITEM	PART NO.	NEW									U/M	DESCRIPTION	RELEASED ON			RELEASED ON			RELEASED ON			DISTRIBUTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			A	B	C	D	E	F	G	H			REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY	REV		C.R. NO.	DATE	BY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
31	1571-001193	10										SILICONE SEALANT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

PAGE 1 OF 2

ASS'Y DESCRIPTION 1200 AMP TIE - TRANSITION
BUS ASSEMBLY - 1/4" X 4" COPPER

ASS'Y NO.
46001-599-50

DWG. SIZE D

LAST REV.

ITEM	PART NO.	NEW									U/M	DESCRIPTION	RELEASED ON			RELEASED ON			RELEASED ON			DISTRIBUTION		
			A	B	C	D	E	F	G	H			REV	C.R. NO.	DATE	BY	REV	C.R. NO.	DATE	BY	REV		C.R. NO.	DATE
1	B46001-068-01	7										INSULATOR SUPPORT												
2	B46001-069-01	12										MOUNTING ANGLE												
3	C46001-553-50	1										A Φ TIE BREAKER BUS												
4																								
5	C46001-553-50	1										B Φ TIE BREAKER BUS												
6																								
7	C46001-556-50	1										C Φ TIE BREAKER BUS												
8																								
9	C46001-559-01	3										TRANSITION CROSS BUS												
10	C46001-566-01	3										A Φ TRANSITION RISER BUS												
11																								
12																								
13																								
14																								
15																								
16																								
17	21401-28742				6							1/2-13 X 3/4 LG. H.H.S.C.S. GRADE 5												
18	23701-00240				6							1/2 FLAT WASHER												
19	23701-00240				6							1/2 HS LOCK WASHER												
20																								
21																								
22																								
23	29903-01930	10		0								15 KV INSULATOR												
24	21418-22320	36										5/16"-18 X 1" NYLON BOLT												
25	23099-02202	36										5/16"-18 NYLON HEX NUT												
26	444050-070-01	20										BOLT COVER CAP												
27	21401-24400	20				0						3/8"-16 X 1 1/4" H.H.S.C.S.												
28	23601-00240	44										3/8" FLAT WASHER												
29	23701-00240	72										3/8" LOCK WASHER												

NEW
M-003
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

A
M-005
3-1-84
C.R. NO.
C.R. NO.
3-1-84
DATE
C.R. NO.
C.R. NO.
3-1-84
DATE
BY
BY
BY

B
M-004
4-12-84
C.R. NO.
C.R. NO.
4-12-84
DATE
C.R. NO.
C.R. NO.
4-12-84
DATE
BY
BY
BY

C
M-006
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

D
M-007
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

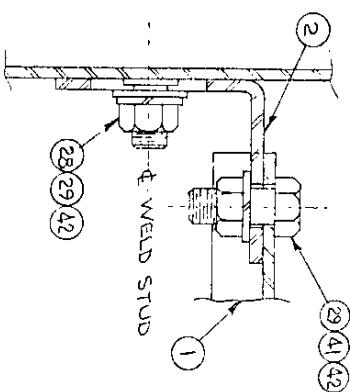
E
M-008
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

F
M-009
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

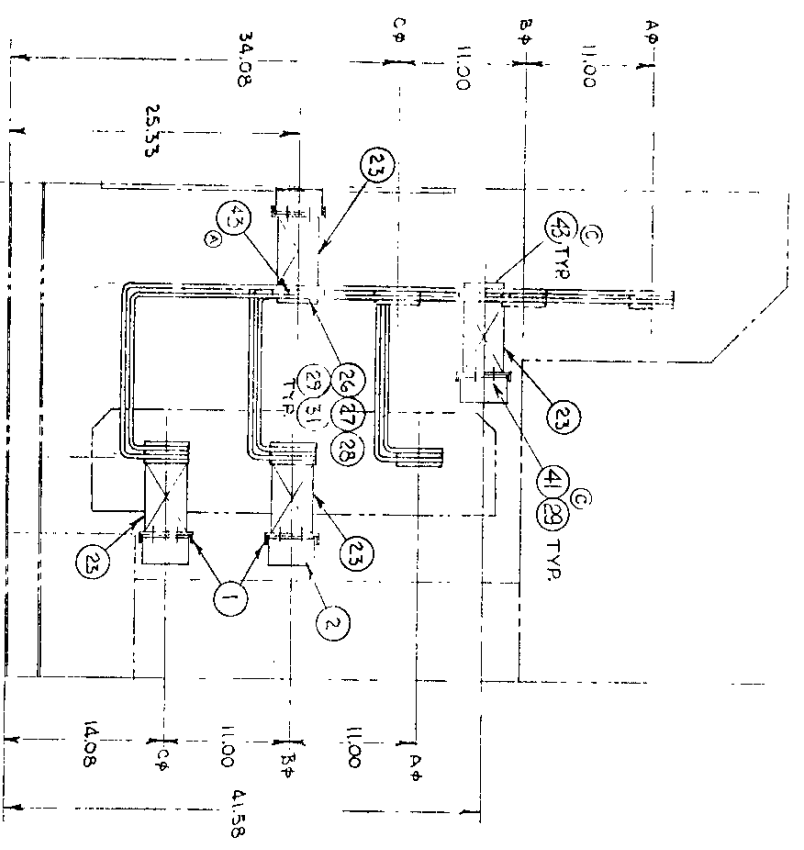
G
M-010
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

H
M-011
1-18-84
C.R. NO.
C.R. NO.
1-18-84
DATE
C.R. NO.
C.R. NO.
1-18-84
DATE
BY
BY
BY

NOTE ASSEMBLY USED WITHOUT BREAKER IN TRANSITION BAY

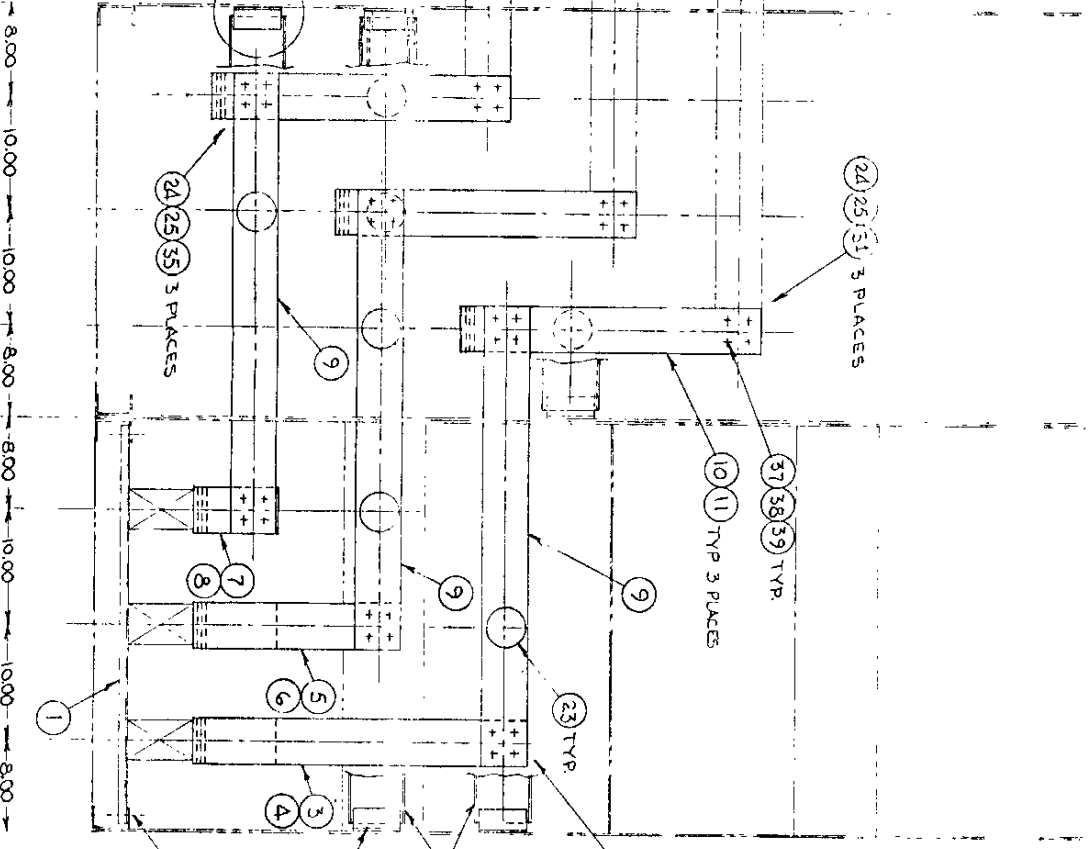


DETAIL "A"



FRONT VIEW

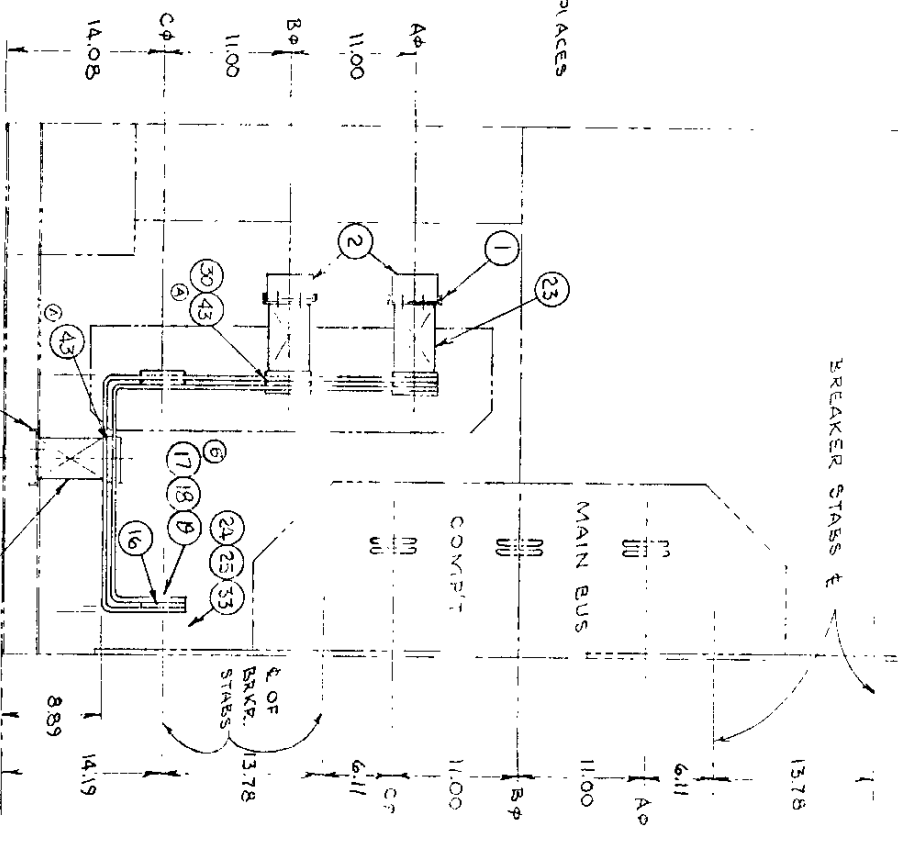
END VIEW (TRANSITION BAY)



REAR VIEW

TRANSITION BAY

TIE BREAKER BAY



SIDE VIEW

END VIEW (TIE BREAKER BAY)

WITHOUT BREAKER IN TRANSITION BAY	
ASSEMBLY NO.	USED ON
46001-599-50	1200 AMP - 1/2" x 4" COPPER
46001-599-51	2000 AMP - DOUBLE 1/2" x 4" COPPER
46001-599-52	1200 AMP - 3/8" x 4" ALUMINUM
46001-599-53	2000 AMP - DOUBLE 3/8" x 4" ALUMINUM

NOTE:
ADDITIONAL PARTS SHOWN
IN PHANTOM LINE FOR CLARITY.

DO NOT SCALE
K TO DIMENSIONS

STANDARD	LINEAL DIM	TWO PLACE DECIMAL	0.00
TOLERANCE	HOLE DIA	FRACTIONAL LETTER (THIRDS) UNLESS SPECIFIED	0.00
UNLESS OTHERWISE SPECIFIED	ANGLE	THREE PLACE DECIMAL	0.00

REV	C R	DATE	BY
A	OK	11-27-84	C.H.S.
B	OK	11-27-84	C.H.S.
C	OK	11-27-84	A.K.

SCALE	DATE	C R
1/8" = 1"	11-27-84	C.H.S.

TITLE	DATE	C R
TRANSITION BAY	11-27-84	C.H.S.

USED ON	DATE	C R
SEE ABOVE CHART	11-27-84	C.H.S.

PRINTS TO	DATE	C R
46001-599	11-27-84	C.H.S.

SCALE	DATE	C R
1/8" = 1"	11-27-84	C.H.S.

TITLE	DATE	C R
TRANSITION BAY	11-27-84	C.H.S.

USED ON	DATE	C R
SEE ABOVE CHART	11-27-84	C.H.S.

PRINTS TO	DATE	C R
46001-599	11-27-84	C.H.S.

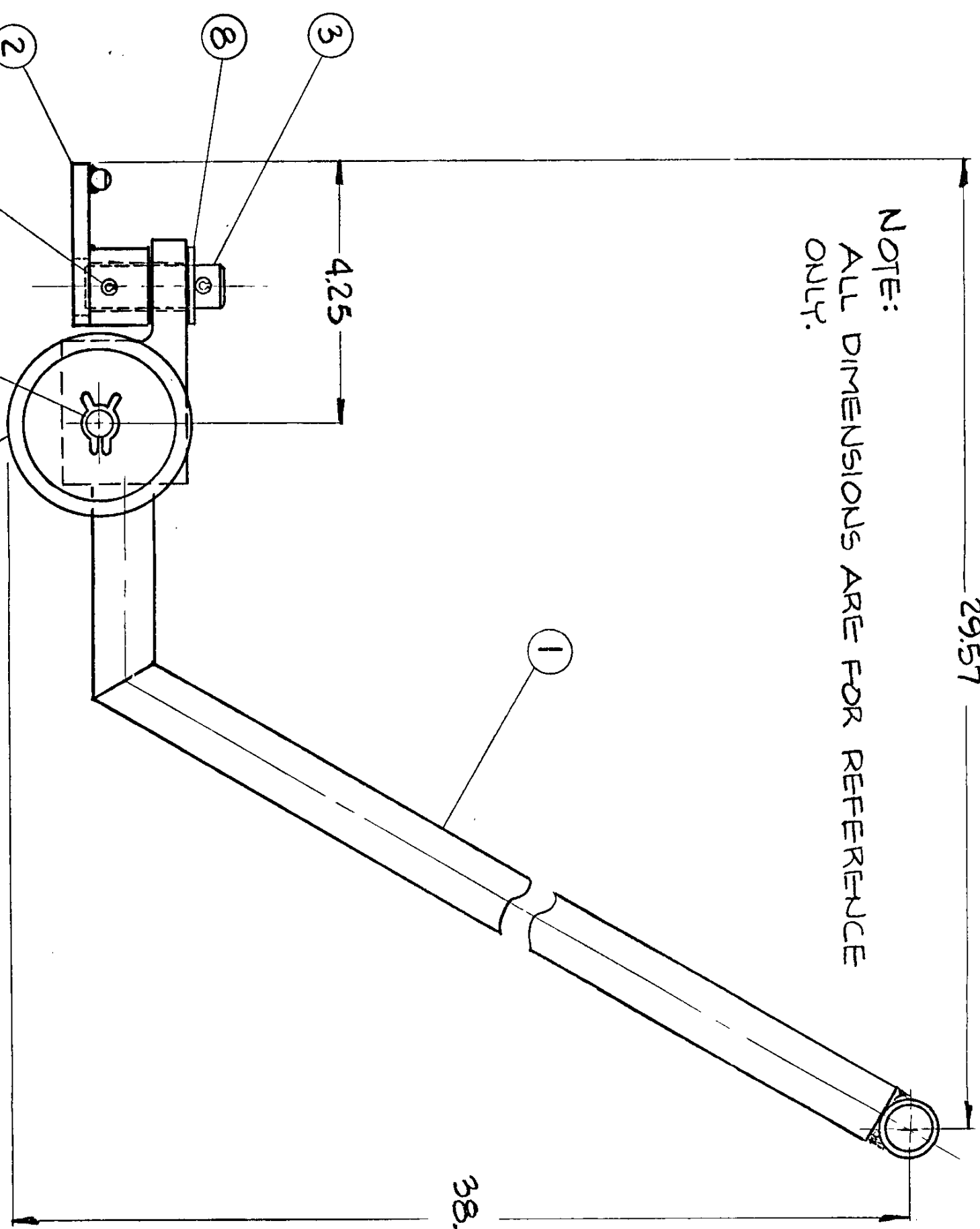
A B C D E F G H I L M N O P

249-1009bA

29.57

NOTE:
ALL DIMENSIONS ARE FOR REFERENCE
ONLY.

38.44



P/N: 46001-632-50

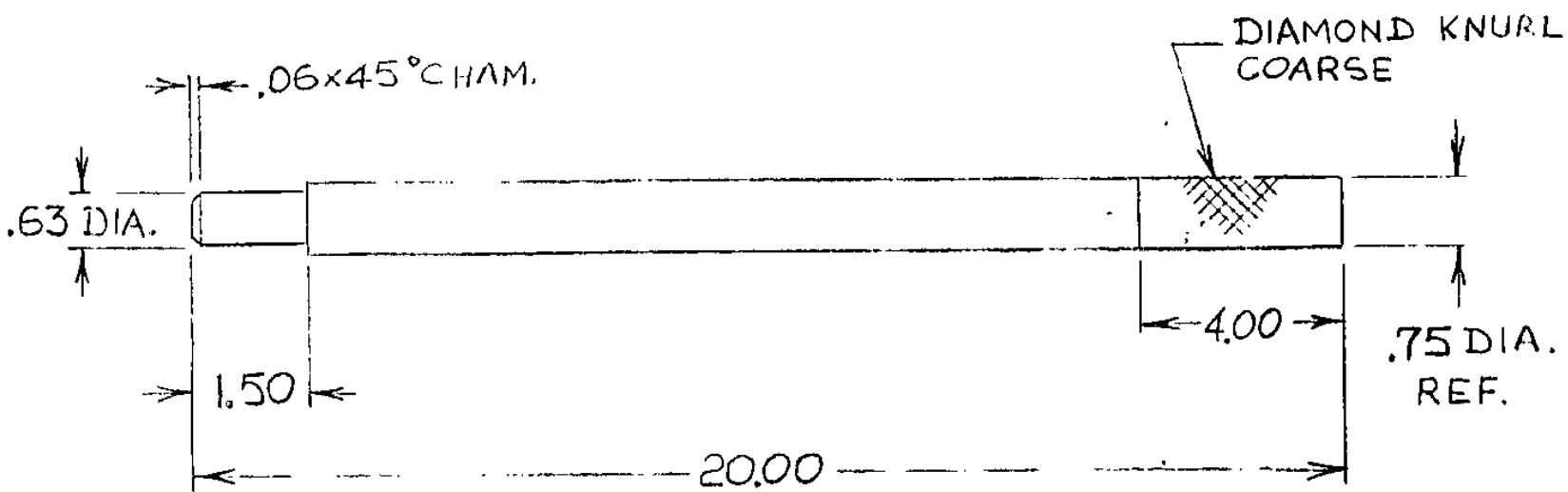
STANDARD TOLERANCES

- 1 PLACE DEC. $\pm .060$
- 2 PLACE DEC. $\pm .030$
- 3 PLACE DEC. $\pm .015$
- DRILLED &
PUNCHED HOLES $\pm .005$

DO NOT SCALE - WORK TO DIMENSIONS				REV.	C. R.	DATE	BY										
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL $\pm .005$															
		THREE PLACE DECIMAL $\pm .002$															
	HOLE DIA.	FRACTIONAL LETTER OR NUMBERS ONLY $\pm .001$															
		THREE PLACE DECIMAL $\pm .002$															
ANGLE		DIMENSIONED $\pm 1^\circ$															
		UNDIMENSIONED $90^\circ \pm 2^\circ$															

THE SQUARE D COMPANY HAS PROPRIETARY RIGHTS TO THE INFORMATION CONTAINED
HEREIN. THIS INFORMATION REMAINS THE PROPERTY OF SQUARE D COMPANY AND MAY
BE USED ONLY IN CONFORMANCE WITH INSTRUCTIONS ISSUED BY SQUARE D COMPANY.
THIS DOCUMENT IS ISSUED IN CONFIDENCE. IT MAY NOT BE REPRODUCED WITHOUT
WRITTEN PERMISSION FROM THE SQUARE D COMPANY, AND MAY BE RECALLED AT ANY TIME

SCALE	DRAWN	CHKD	DATE	C. R.				
1/4" = 1"	WRB	RDM	2-12-86	MD192				
TITLE	5TH WHEEL ASSEMBLY							
USED WITH	VACUUM OR STEAM BRK'S							
RAWSTOCK	-							
PRINTS TO								
SQUARE D COMPANY								
SMYRNA, TENNESSEE USA								
B46001-632								



MATERIAL: .750 DIA. STEEL ROD TYPE 1018.
FINISH: .0002 THK ZINC PLATE

P/N 46001-779-01

THE SQUARE D COMPANY HAS PROPRIETARY RIGHTS TO THE INFORMATION CONTAINED HEREON. THIS INFORMATION REMAINS THE PROPERTY OF SQUARE D COMPANY AND MAY BE USED ONLY IN CONFORMANCE WITH INSTRUCTIONS ISSUED BY SQUARE D COMPANY. THIS DOCUMENT IS ISSUED IN CONFIDENCE. IT MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION FROM THE SQUARE D COMPANY, AND MAY BE RECALLED AT ANY TIME.

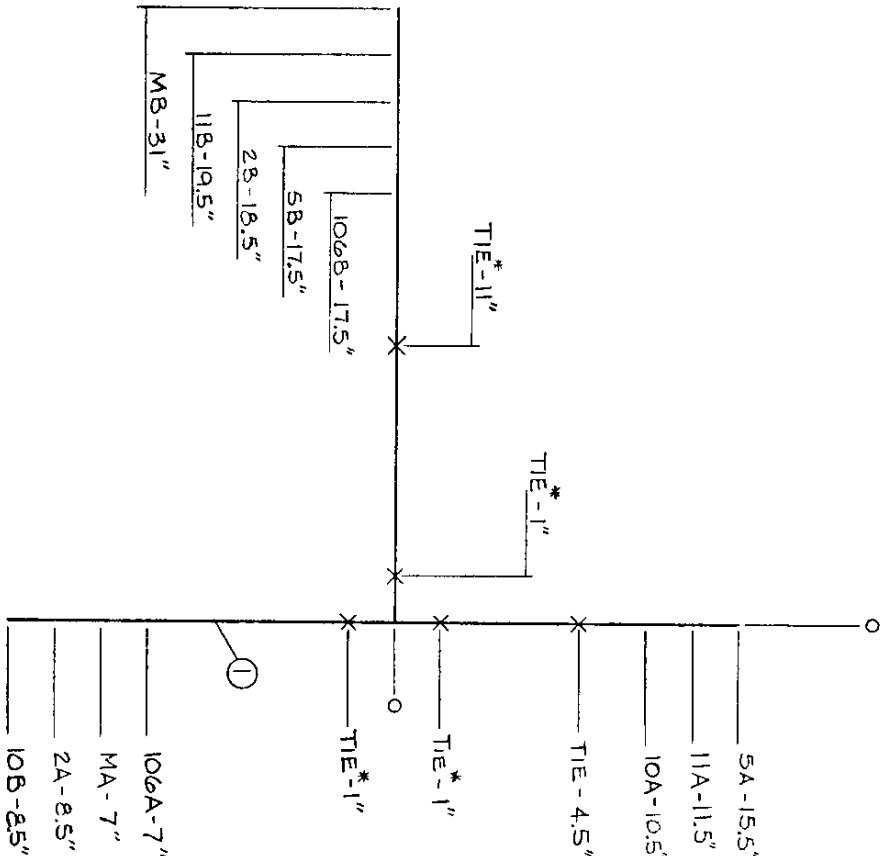
REV.	C. R.	DATE	BY	DO NOT SCALE - WORK TO DIMENSIONS															
				STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.	TWO PLACE DECIMAL $\pm .020$ THREE PLACE DECIMAL $\pm .008$													
					HOLE DIA.	FRACTIONAL LETTER, OR NUMBERED DRILL $\pm .004$ THREE PLACE DECIMAL $\pm .002$ $- .002$													
					ANGLE	DIMENSIONED $\pm 1^\circ$ UNDIMENSIONED $90^\circ \pm 2^\circ$													
				SCALE	DRAWN	CHKD.	DATE	C. R.	 SQUARE D COMPANY SMYRNA, TENNESSEE USA										
				~	A. K.		12.10.84	M0109											
				TITLE					CHARGING HANDLE										
				USED ON					46001-324-52,53,56,57,60,61										
				RAWSTOCK					1121-014812										
PRINTS TO				A 46001-779															

A B C D E F G

WIRE NUMBER	WIRE LENGTH	END A		END B		WIRE	
		DESCRIPTION	CORP. NUMBER	DESCRIPTION	CORP. NUMBER	DESCRIPTION	CORP. NUMBER
2	27"	#10 RING TERM CONNECTOR	25009-52630	250 FEMALE CONNECTOR	25016-16009	14GA. SIS	1393-026440
5	33"	250 FEMALE CONNECTOR	25016-16009	250 FEMALE CONNECTOR	25016-16009	14GA. SIS	1393-026440
10	19"	250 FEMALE CONNECTOR	25016-16009	#10 RING TERM CONNECTOR	25009-52630	14GA. SIS	1393-026440
11	31"	250 FEMALE CONNECTOR	25016-16009	187 FEMALE CONNECTOR	25016-16005	14GA. SIS	1393-026440
106	24.5"	#10 RING TERM CONNECTOR	25009-52630	250 FEMALE CONNECTOR	25016-16009	14GA. SIS	1393-026440
M	38"	#10 RING TERM CONNECTOR	25009-52630	250 FEMALE CONNECTOR	25016-16009	14GA. SIS	1393-026440

* NOTE: CABLE TIE, CORP. NO. 25901-24760, 5 REQ.

- ③ 25009-52630 #10 RING TERM
- ④ 25016-16009 250 FEMALE CONNECTOR
- ⑤ 25016-16008 187 FEMALE CONNECTOR



THE LETTERS A & B APPEARING AFTER THE WIRE NUMBER DENOTES INFORMATION FROM THE TABULATION TO BE USED DURING MANUFACTURING PROCESS. THE A & B WIRE NOT APPEAR WITH THE WIRE NUMBER.

DO NOT SCALE	WORK TO DIMENSIONS	REV	C R	DATE	BY
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM TWO PLACE DECIMAL THREE PLACE DECIMAL HOLE DIA THREE PLACE DECIMAL ANGLE DIMENSIONED				

PN D46001-793-50

DATE 12-8-84

BY M0104

WIRE 146001-430-50 51, 52 & 53

WIRENESS (MECH)

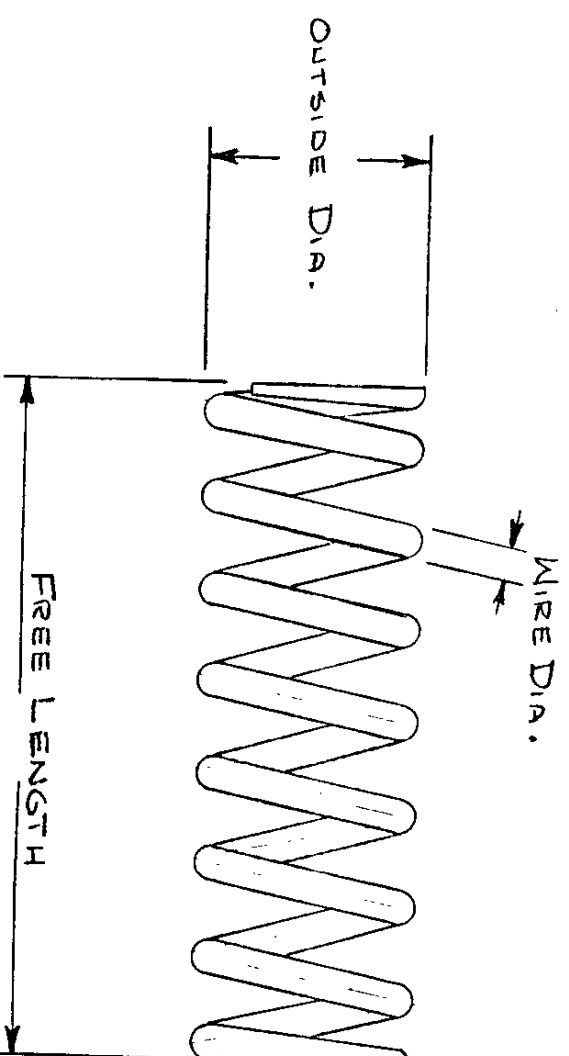
PRINTS TO

SQUARE D COMPANY

SMYRNA, TENNESSEE, USA

D46001-793

PART NO.	FREE LENGTH	OUTSIDE DIA.	WIRE DIA.	COLOR CODE	USED ON
885228	274mm	81mm	10mm	ORANGE [®] III	46001-449-51
755815	315mm	43mm	5mm	ORANGE [®] I	46001-447-51
755816	295mm	59mm	7mm	ORANGE [®] II	46001-447-51
879090	280mm	66mm	8.5mm	BLUE	46001-446-50 447-50
877492	275mm	65mm	8mm	RED	46001-446-51
878556	265mm	66mm	8.5mm	YELLOW	46001-446-52 447-51
879091	260mm	46.5mm	6.5mm	RED	46001-446-51 447-50+51
877494	252mm	46.5mm	6.5mm	BLUE	46001-446-50+52
758244	315mm	46.3mm	6mm	GREEN	44080-183-50,52+55 549-50
758243	305mm	45.5mm	5.5mm	WHITE	44080-183-50,52+53 549-50
878120	313mm	63mm	7mm	WHITE	44080-183-50,52+53 549-50



COLORED PEOPLE
OF THE

REFERENCE DRAWING FOR MG SPRINGS

SCALE					DRAWN		CHKD.		DATE		C. R.	
—					SD				5/17/85		M0145	
TITLE												
SPRING REF. DWG.												
USED ON												
RAWSTOCK												

PRINTS TO											

											
SQUARE D COMPANY											
SMYRNA, TENNESSEE USA											

B46001-940

ASS'Y DESCRIPTION FT TRUCK AS. MBLY 15KV
2 DOUBLE FUSED HT'S "A" OR "C" COMPARTMENTS

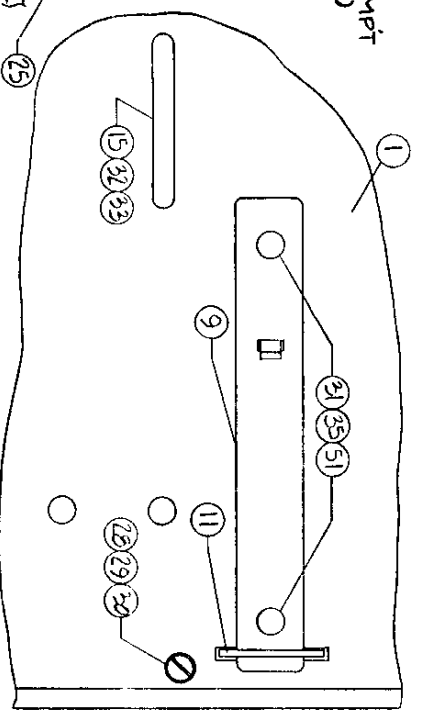
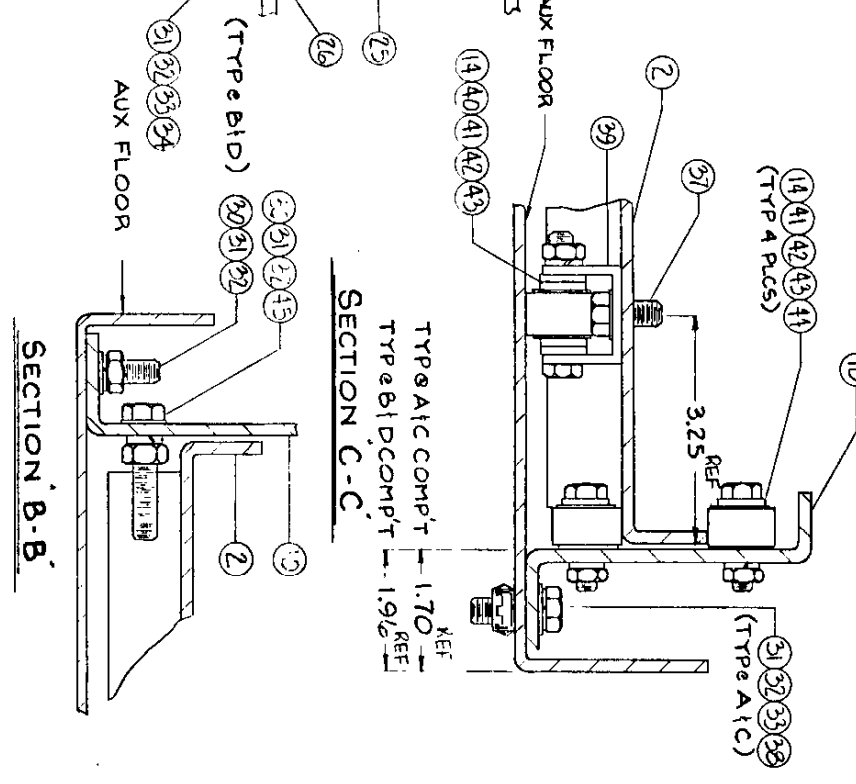
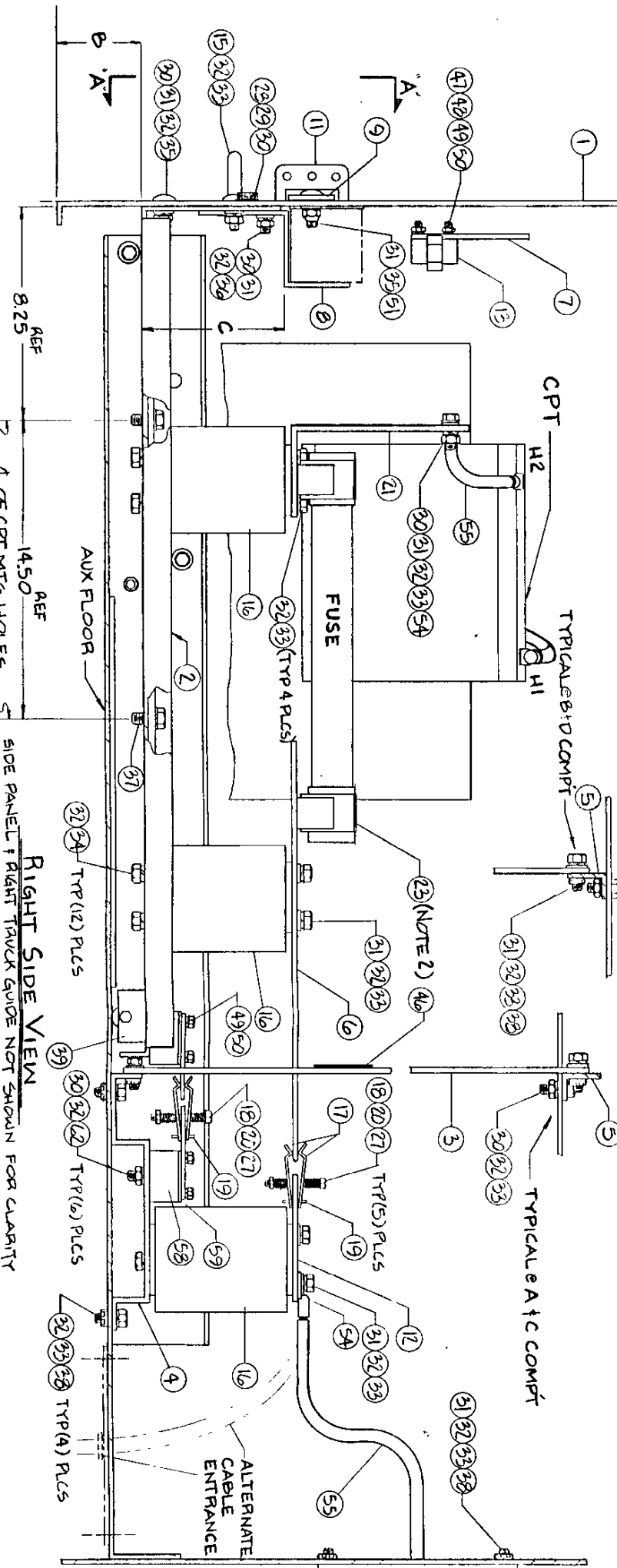
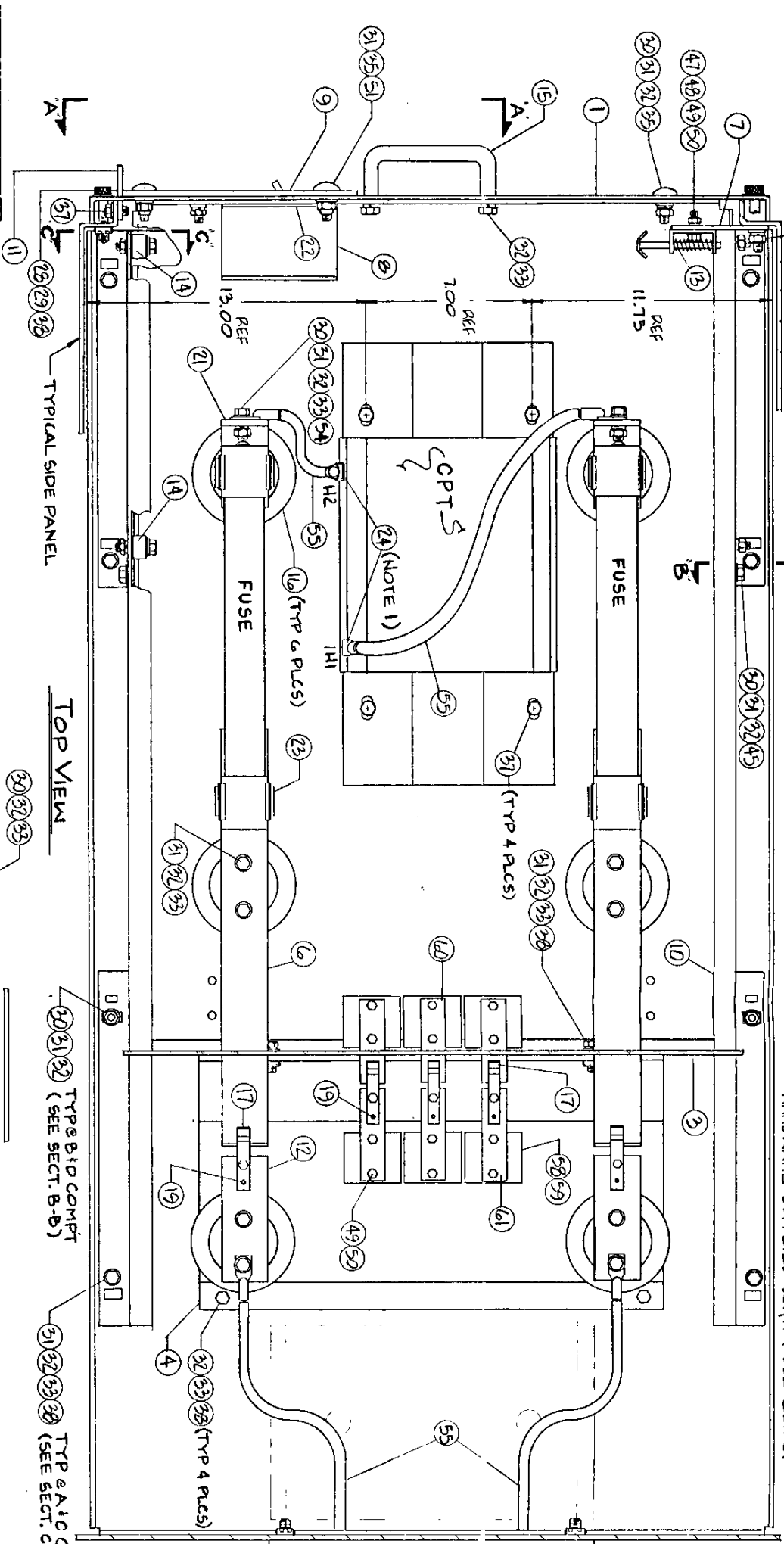
ASS'Y NO.
46002-204-55

LAST REV.	SIZE D
--------------	--------

[illegible]

ITEM	PART NO.	NEW	A B C D E F G H								DESCRIPTION	RELEASED ON			NEW	A	B
			REVIEW	C.R. NO.	DATE	BY											
29	23615-00220	2									NYLON WASHER						
30	23001-00240	35									3/8"-16 HEX NUT						
31	23615-00220	34									3/8" FLAT WASHER						
32	23701-00220	50									3/8" LOCK WASHER						
33	21401-24260	36									3/8"-16x7/8" HEX CAP SCREW						
34	21401-24240	12									3/8"-16x3/4 HEX CAP SCREW						
35	22710-24402	6									3/8" 15x1 1/4 CARRIAGE BOLT						
36	21490-24240	2									3/8"-16 TORQUE SCREW						
37	21490-24240	9									3/8"-16x3/4 HEX TAPPING SCREW						
38	23502-24001	20									3/8"-16 FASTENING NUT						
39	A 46002-280-01	2									ROLLER YOKE						
40	21401-22660	2									5/16"-18x2 1/4 HEX CAP SCREW						
41	23001-00220	6									5/16"-18 HEX NUT						
42	23601-00220	12									5/16" FLAT WASHER						
43	23701-00220	6									5/16" LOCK WASHER						
44	21401-22400	4									5/16"-18x1 1/4 HEX CAP SCREW						
45	21401-24562	2									3/8"-16x1 3/4 HEX CAP SCREW						
46	44060-346-01	1									"DANGER-HIGH VOLTAGE" DECAL						
47	23001-00200	2									1/4"-20 HEX NUT						
48	23601-00200	2									1/4" FLAT WASHER						
49	23701-00200	2									1/4" LOCK WASHER						
50	21401-20200	2									1/4"-20x5/8 HEX CAP SCREW						
51	23201-20240	2									3/8"-16 HEX LOCK NUT						
52																	
53																	
54	25009-04241	8									CRIMP LUG #4 CABLE - 3/8" STUD						
55	1330-000820	8'									# 4-15 KV CABLE						

NOTES: 1) MOUNT CRIMP LUG (ITEM 24) TO CPT USING HARDWARE SUPPLIED W/ CPT.
2) MOUNT FUSE CLIP (ITEM 23) TO HV MTG STAB 6 & HV MTG ANGLE 21 USING THE HARDWARE SUPPLIED WITH FUSE CLIPS.



VIEW 'A-A'

ASSEMBLY NO.	WIRING DIAGRAM	VOLTAGE	COMPT
46002-285-50	46001-740-01	5KV	A, C
-51	"	15KV	A, C
-52	"	5KV	B, D
-53	"	15KV	B, D

COMPT	A	B	C
A	24.00	3.50	6.20
B	21.50	2.50	6.20
C	24.00	2.00	7.70
D	21.50	1.00	7.70

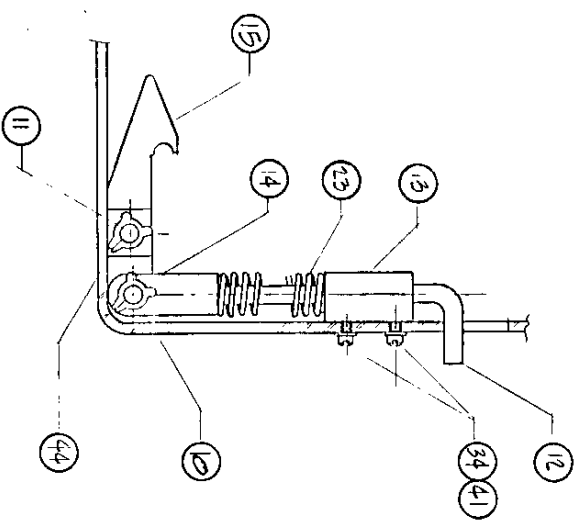
SCALE: DRAWING: 1/8" = 1" DATE: 12/15/06
CPT TRUCK ASSEMBLY
ABC 2 HIGH DIELECTRIC
ABC 2 LOW DIELECTRIC
REV: 1
NA

PRINTS TO: SQUARE D COMPANY
SAYRE, TENNESSEE USA
D46002-285

[illegible]

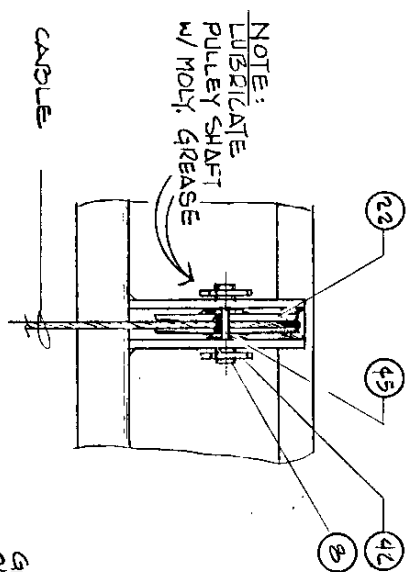
[illegible]

[illegible]



BREAKER LATCH ASSEMBLY

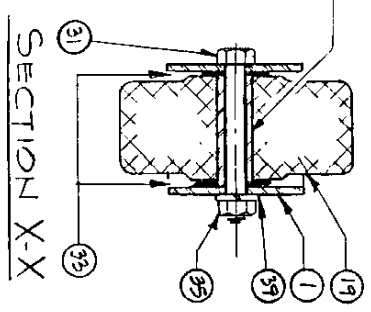
ASSEMBLY NOTE: GUIDE ROLLER ASSEMBLIES TO BE INSERTED THRU TOP OF VERTICAL COLUMNS BEFORE BOLTING TO LIFT PAN (SEE EXPLODED VIEW)



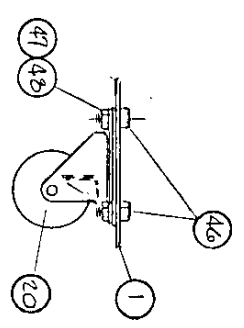
PULLEY ASSEMBLY

GREASE GREASE & OIL BEARING ON WHICH - DO NOT GET LUBRICANT ON CATCH

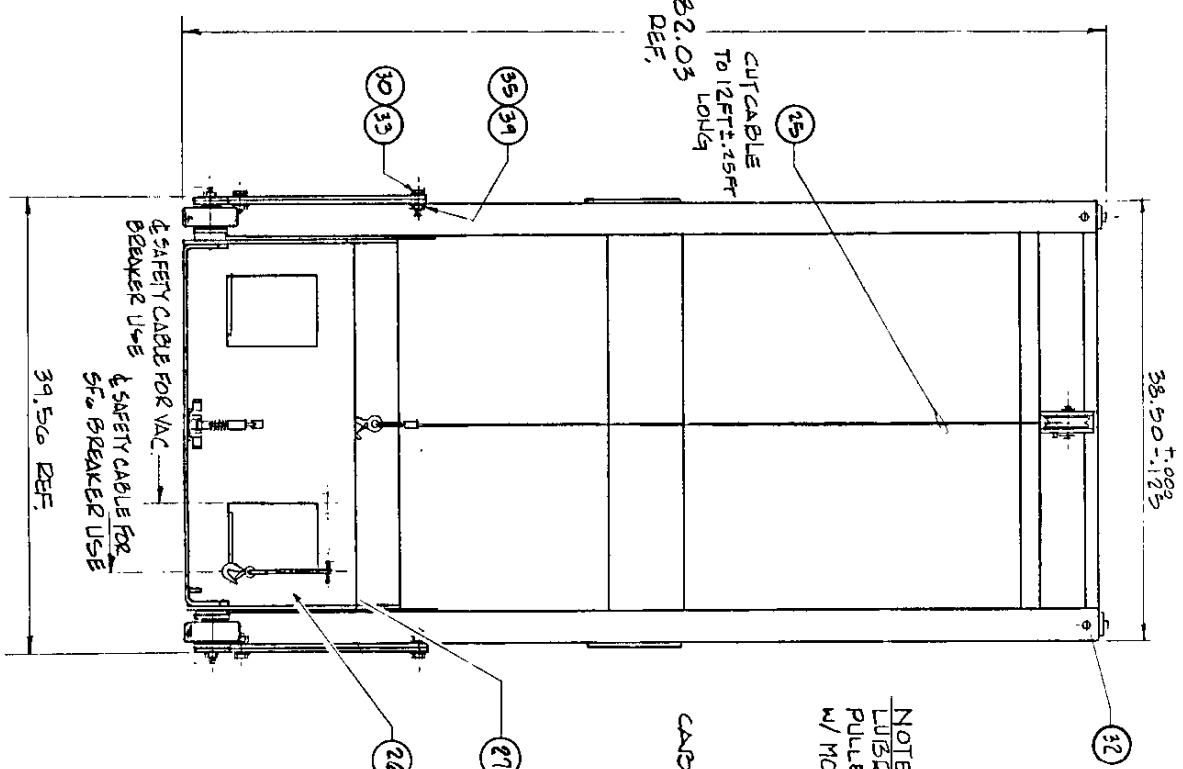
NOTE: LEFT SIDE SHOWN: RT SIDE SAME EXCEPT USE ⑤ IN PLACE OF ④.



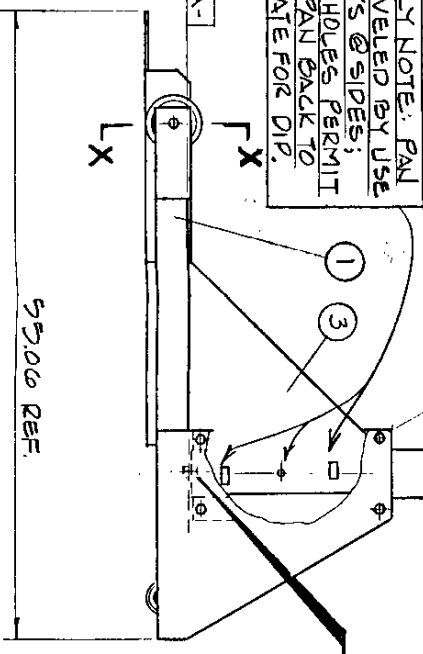
SECTION X-X



SWIVEL CASTER ATTACHMENT



ASSEMBLY NOTE: PAN TO BE LEVELED BY USE OF 3 BOLTS @ SIDES; SLOTTED HOLES PERMIT PIVOTING PAN BACK TO COMPENSATE FOR DIP.



COLUMN BASE CONN.

GUIDE ROLLER ASS'Y.

ASSEMBLY No 46002-364-50

SCALE	200mm	1:1
DATE	10/14/03	
BY	SWIRNA, TENNESSEE USA	
CHKD BY		
APP'D BY		
REV		

PRINTS TO	
SOURCE	COMPANY
46002-364	

