

## Vacuum System Electrical Enclosure

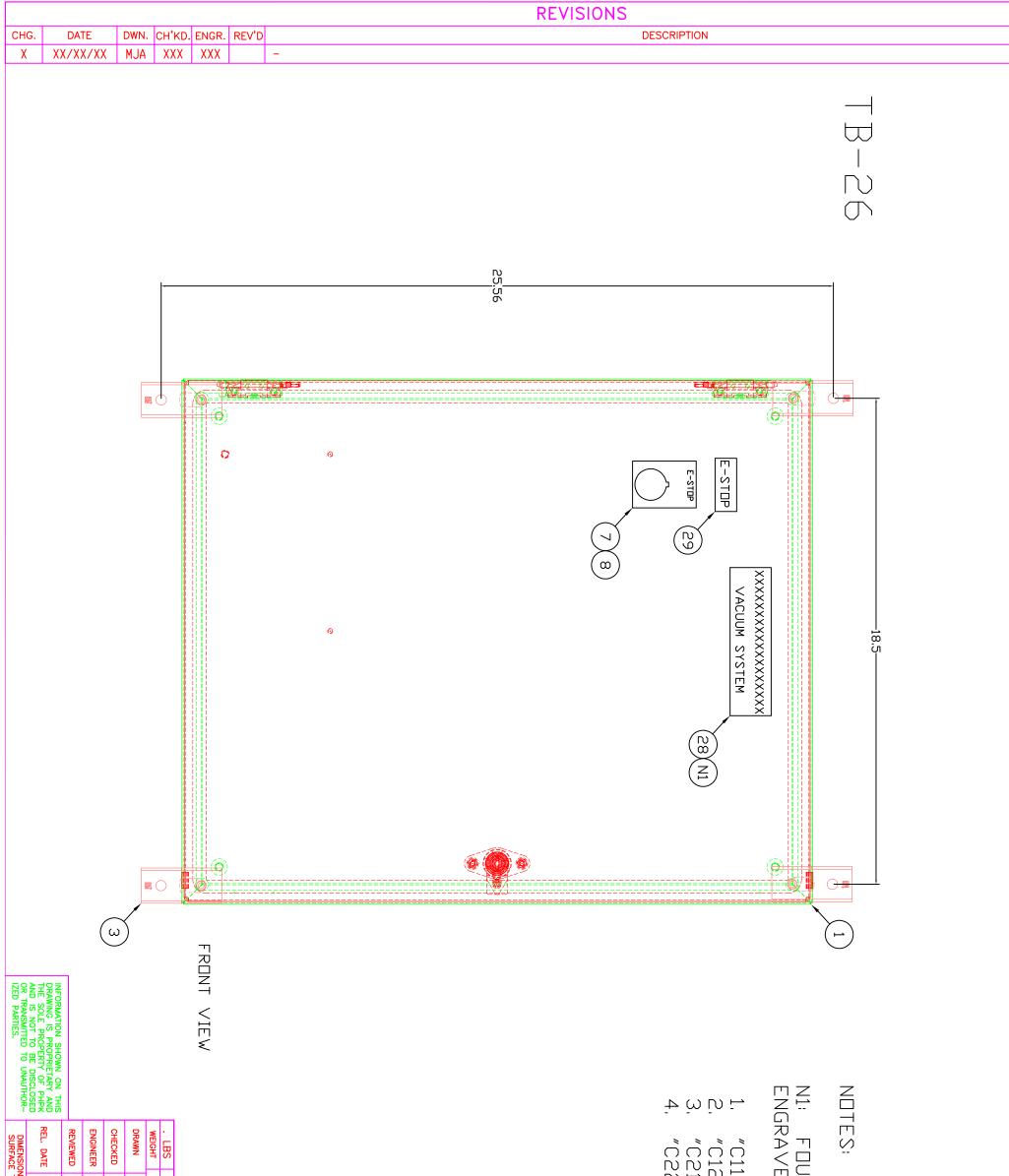
(TB-26)

## (15-5032-1436A)

Written by:	Distribution :
Cold Box Manufacturer: PHPK	
	JLAB
	AL project team
Reviewed by	
Technical Manager: Gilles Flavien	
gilles.flavien@airliquide.com	

## **MODIFICATIONS RECORDING**

ISSUE OF MODIF	DATE	WRITTEN BY	CHECKED BY	EVOLUTION OF THE DOCUMENT (Updated pages)	JUSTIFICATION OF THE MODIFICATION
		Note:	Recording of mo	difications are included in document	



ΜŌ	m		<u> </u>	11	×				
E TREATMENTS UNLESS NOTED.			SPE		M.IA	SPW	MJA	WORK ORDER	
S UNLESS	11/9/2016		ANGULAR	.xxx	.×	FRACTION	TOLER		
NOTED.	16			>	<		TOLERANCES	CONTRACT NO.	•
SCALE	В	SIZE			IIIE			NO.	
SCALE NONE	15-	DRAWING NO.	VACUUM SYSTEM ELECTRICAL PANEL EXTERIOR			2111 BUILDER	рнрк	PART NUMBER	•
	15-5032-1436		M ELECIR		120	S PLACE (	TECHI	NO. REQ'D	•
SHEET 3 OF 3	1436		ICAL PANEL E		=	2111 BUILDERS PLACE COLUMBUS, OHIO 43204	PHPK TECHNOLOGIES	NO. REQ'D NEXT ASSEMBLY	
5 OF 3	A	CHG.	X IERIOR			0 43204	~ 1	SIZE	•

N1: FOUR TAGS (4) ENGRAVED FIRST LINE: 1. "C11-TB26" (PLANT 1 UPPER) 2. "C12-TB26" (PLANT 1 LOWER) 3. "C21-TB26" (PLANT 2 UPPER) 4. "C22-TB26" (PLANT 2 LOWER)

						REVISIONS	
CHG.	DATE	_			REV'D		
X	XX/XX/XX	MJA	XXX	XXX		-	
						TB-26	
INE SULE PROPERTY OF PHEN AND IS NOT TO BE DISCLOSED OR TRANSMITTED TO UNAUTHOR- IZED PARTIES.	INFORMATION SHOWN ON THIS DRAWING IS PROPRIETARY AND						

CHECKED ENGINEER REVIEWED REL. DATE DIMENSION SURFACE - LBS WEIGHT DRAWN

$\neg$		_		_		•		•
	WORK ORDER		CONTRACT NO.	NO.	PART NUMBER	NO. REQ'D	NO. REQ'D NEXT ASSEMBLY	SIZE
	MJA	TOLE	TOLERANCES		рнрк	TECH	PHPK TECHNOLOGIES	- 1
	SPW	FRACTION			2111 BUILDER	S PLACE (	2111 BUILDERS PLACE COLUMBUS, OHIO 43204	0 43204
~	MIA	.XX	K	Ĩ			=	
+		.xxx						
	SPW	ANGULAR	Ĩ		VACUUM SYSTEM ELECTRICAL PANEL EXTERIOR	M ELECIR	ICAL PANEL E	XIERIOR
-				SIZE	DRAWING NO.			CHG.
	_	11/9/2016	016	Β	15-	15-5032-1436	1436	A
	E TREATMENTS UNLESS NOTED.	S UNLESS	RIOR TO	SCALE NONE	NONE		SHEET	SHEET 2 OF 3

	1 1 1 - REQ'D.	P.D. NUMBER ITEM 01 02 03 05	PART NUMBER COM'L COM'L COM'L	SIXE:	ELECTRICAL ENCLOS ELECTRICAL PANEL, MOUNTING BRACKET, CIRCUIT BREAKER 4 POWER SUPPLY, 10A
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		04	COM'L		CIRCUIT BREAKER 4A 1P PRWFR SUPPLY, 10A, 24
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		06 N7			CIRCUIT BREAKER 2A 1P
10         09           11         CDML         JIN F           12         CDML         TERM           13         CDML         TERM           14         CDML         TERM           15         CDML         TERM           16         CDML         TERM           17         CDML         TERM           18         CDML         MCH           19         CDML         MCH           20         CDML         MCH           21         CDML         MCH           22         CDML         MCH           23         CDML         MCH           24         CDML         MCH           25         CDML         MCH           26         CDML         FUSE           27         CDML         FUSE           28         CDML         MCH           30         CDML         MIE           31         CDML         MIE           32         CDML         MIE           33         CDML         MIE           34         MIE         MIE           38         MIE         MIE		808	COM'L		PUSHBUTTON, RED MUSHROOM HEAD "ALLEN-BRADLEY" #800T-FXJ6A5
$233$ $11$ $COM_L$ $TERM$ 3         1 $11$ $COM_L$ $1ERM$ 4         1 $12$ $COM_L$ $1ERM$ 4         1 $13$ $COM_L$ $1ERM$ 4         1 $13$ $COM_L$ $1ERM$ 4         1 $16$ $COM_L$ $1ERM$ 4         1 $17$ $COM_L$ $1ERM$ 4         1 $17$ $COM_L$ $1ERM$ 4         1 $17$ $COM_L$ $1ERM$ 2 $13$ $COM_L$ $1ERM$ $16$ 1 $12$ $COM_L$ $10$ $ACU$ 2 $20$ $COM_L$ $10$ $VACU$ 4 $12$ $COM_L$ $10$ $VACU$ 2 $20$ $COM_L$ $10$ $VACU$ 4 $12$ $COM_L$ $10$ $VIE$ 2 $20$ $COM_L$ $10$ $VIE$		10			-
3         12         CDM/L         TERM $4$ 13         CDM/L         TERM $28$ 14         CDM/L         TERM $28$ 14         CDM/L         TERM $4$ 16         CDM/L         TERM $4$ 16         CDM/L         ANCH $2$ 20         CDM/L         ANCH $4$ 17         CDM/L         ANCH $2$ 20         CDM/L         ANCH $3$ 21         CDM/L         ANCH $4$ 20         CDM/L         ANCH $4$ 20         CDM/L         ANCH $2$ 20         CDM/L         FUSE $1$ 23         CDM/L         FUSE $1$ 23         CDM/L         FUSE $23$ CDM/L         FUSE         FUSE $1$ 23         CDM/L         FUSE $33$ CDM/L         FUSE         PLAS $1$ 33         CDM/L         FUSE $33$ <		11	COM/L		
4         13         COM'L         TERM           28         14         COM'L         TERM           4         14         COM'L         TERM           4         16         COM'L         TERM           2         16         COM'L         MCH           2         17         COM'L         ANCH           2         20         COM'L         MCH           3         21         COM'L         FUSE           1         22         COM'L         FUSE           1         22         COM'L         FUSE           1         23         COM'L         FUSE           2         23         COM'L         FUSE           31         COM'L         FUSE         PLAS           33         COM'L         HAS         FUSE           34         S         S         S </td <td>ω</td> <td>12</td> <td>COM/L</td> <td></td> <td></td>	ω	12	COM/L		
	28 4	13			
4         16         COM'L         END           2         17         COM'L         4         ANCHI           2         18         COM'L         4         ANCHI           2         18         COM'L         4         YACU           3         19         COM'L         4         YACU           3         21         COM'L         4         FUSE           1         23         COM'L         4         FUSE           1         23         COM'L         4         FUSE           1         23         COM'L         4         FUSE           2         31         COM'L         4         PLAS           33         COM'L         4         HAS         4           4         33         S         S         S           5         33         S         S         S	Ľά	15			
4         17         CUML         AncH           2         18         CUML         4         VACU           3         19         CUML         4         VACU           3         20         CUML         4         VACU           1         20         CUML         4         FUSE           1         22         CUML         22         CUML         FUSE           1         22         CUML         23         CUML         FUSE           1         23         CUML         4         FUSE         FUSE           1         23         CUML         FUSE         FUSE           2         23         CUML         FUSE         FUSE           3         31         CUML         FUSE         FUSE           4         33         CUML         FUSE         FUSE           5	4	16	COM'L		집
	4 V	18			ANCHURS "ALLEN BRADLEY"
$ \begin{array}{c c c c c c c c c } 2 & CDML & 20 & CDML & 1 & CDML & 1 & CDML & 1 & FUSE \\ \hline 1 & 2 & 2 & CDML & 23 & CDML & 2 & FUSE & 2 & CDML & 2 & FUSE & 2 & CDML & 2 & FUSE & 2 & CDML & 2 & CDM$	4	19	COM/L		FUSE BLOCK W/LED "ALLEN-BRADLEY" # 1492-H5
3         21 $CDM'L$ 1         22 $CDM'L$ 1         23 $CDM'L$ 4         23 $CDM'L$ 2         24 $CDM'L$ 2         25 $CDM'L$ 2         26 $CDM'L$ 2         27 $CDM'L$ 1           2         30 $CDM'L$ 1           1         30 $CDM'L$ 1           1         31 $CDM'L$ 1           33 $31$ $CDM'L$ 1           34 $32$ $31$ $1$ 35 $37$ $1$ $1$ 36 $37$ $1$ $1$ 37 $37$ $1$ $1$ 38 $37$ $1$ $1$ 39 $1$ $1$ $1$	rv	20	COM'L		END BARRIER FOR H4,H5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	ω	21	COM'L		FUSE "BUSSMAN" AGC-2
1       23       CLM*L         2       24       CDM*L         2       25       CDM*L         2       26       CDM*L         2       27       CDM*L         2       28       CDM*L         21       29       CDM*L         30       CDM*L       30         31       CDM*L       33         32       31       CDM*L         33       34       CDM*L         36       37       36         39       39       39         40       40	1	22	COM'L		
4       21       CDM'L       21         2       21       25       CDM'L       27         2       21       23       29       CDM'L       29         1       23       31       CDM'L       33       32         33       34       35       36       37       38       39         40       40       40       40       40       40       40	1	23	CUM'L		
REQT       23         2       26         2       27         2       28         20       29         30       CDM'L         31       CDM'L         32       31         33       32         34       34         37       36         38       37         39       31         40       40	4	24	COM'L		GROUNDING BLOCK
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		26	COM'L		
28       CUM'L         30       CUM'L         31       CUM'L         32       31         33       32         34       33         35       34         36       37         37       38         39       39         40       40		27	COM'L		WIRE DUCT, 2"W
29       COM'L       PLASTIC         30       COM'L       I         31       COM'L       I         32       COM'L       I         33       COM'L       I         34       S       I         35       S       I         36       S       I         37       S       I         38       S       I         39       I       I         40       40       I	۳	28	COMIL		PLASTIC BLACK ON WHITE TAGS SIZED TO
		62	COM'L		PLASTIC WHITE
		<u>31</u>			
33       33         34       35         35       36         36       37         37       38         38       39         40       40		32			
34       35       36       37       38       39       40		2.33			
40 37 38 39 40 40		ר קר ער			
37       38       39       40		35			
40		27			
40		38			
40		39			

INFORMATION SHOWN ON THIS DRAWING IS PROPRETARY AND THE SOLE PROPRETARY AND AND IS NOT TO BE DISCLOSED OR TRANSMITED TO UNAUTHOR-IZED PARTIES. DWN. CH'KD. ENGR. REV'D

-

MJA XXX XXX

CHG.

Х

DATE

XX/XX/XX

-
PART NUMBER NO. REQTO NEXT ASSEMBLY PHPK TECHNOLOGIES 2111 BUILDERS PLACE COLUMBUS, OHIO LCLS II TB-26 BILL OF MATERIAL DRAWING NO. 15-5032-1436
INO. REOTO NEXT ASSEMBLY TECHNOLOGIES S PLACE COLUMBUS, OHIO LCLS II LCLS II 26 BILL OF MATERIAL 5032-1436
NEXT ASSEMBLY VOLOGIES SOLUMBUS, OHIO S II F MATERIAL 1436

TB-26