

**Upper CB Instrumentation Terminal Box
(CXU-TB5)
(15-5032-1415-A)**

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

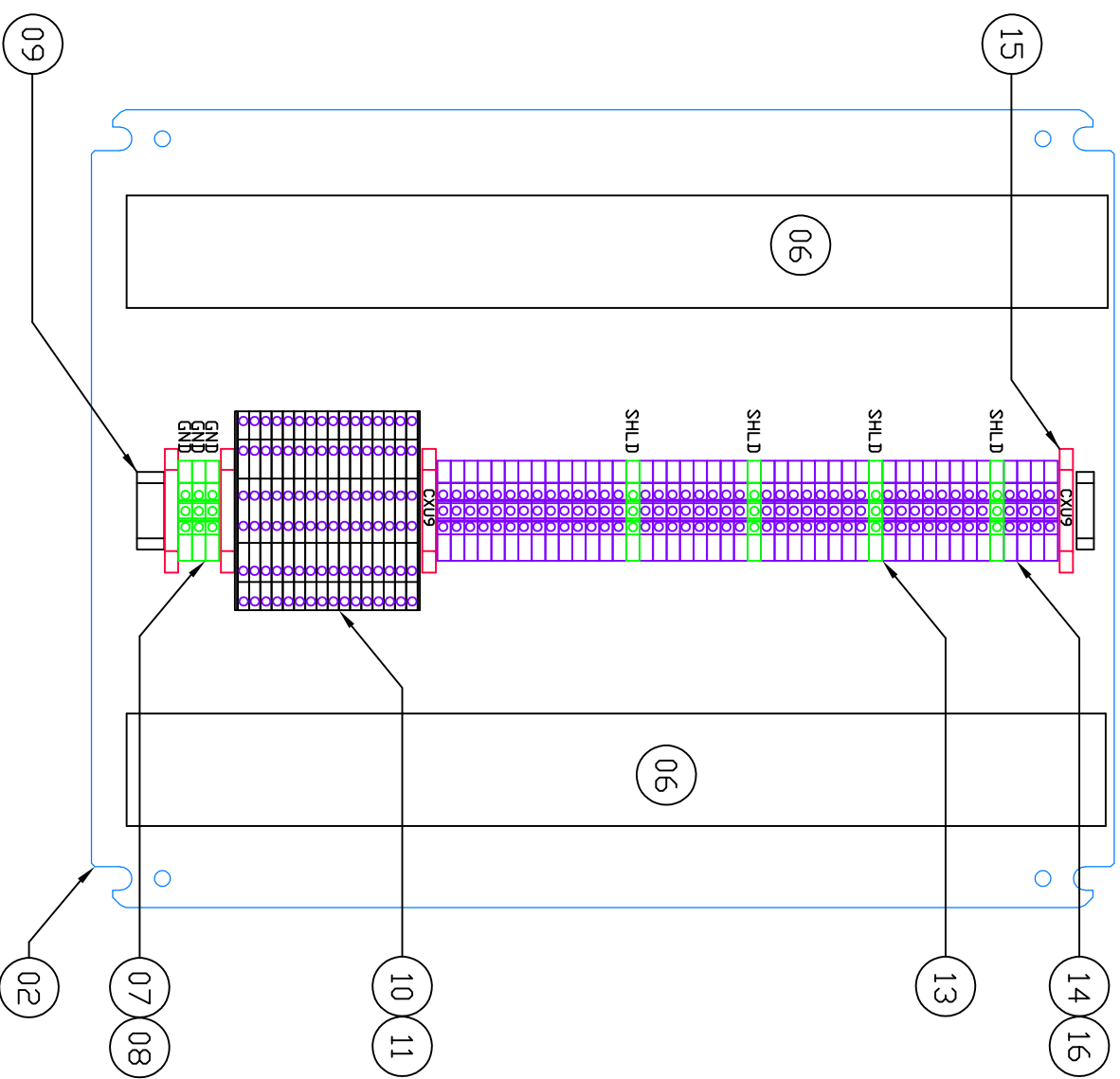
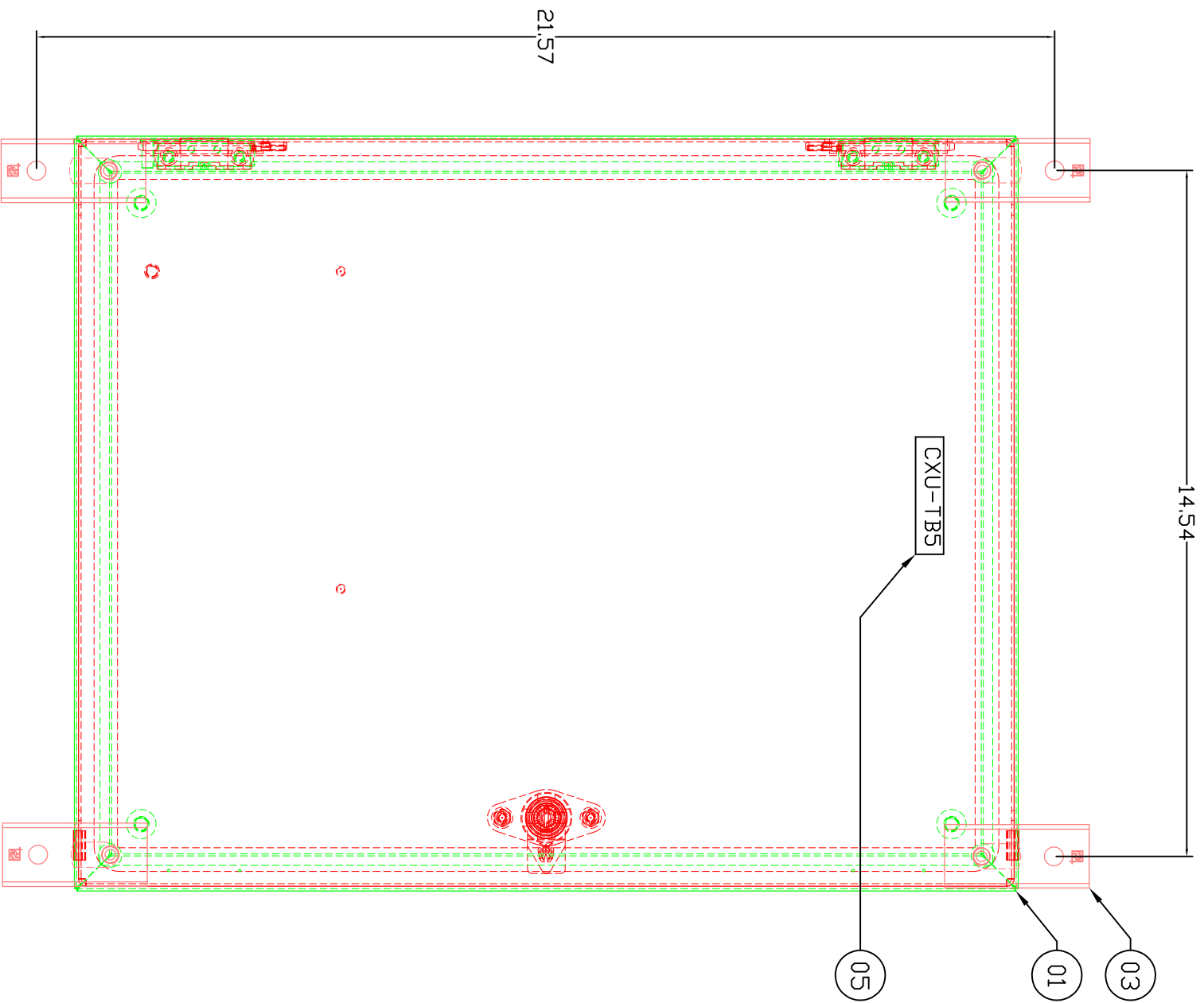
MODIFICATIONS RECORDING

ISSUE OF MODIF	DATE	WRITTEN BY	CHECKED BY	EVOLUTION OF THE DOCUMENT (Updated pages)	JUSTIFICATION OF THE MODIFICATION
<p>Note: Recording of modifications are included in document</p>					

TB5 UCB INSTRUMENTATION TERMINAL BOX

REVISIONS

CHG.	DATE	DWN.	CH'KD.	ENGR.	REV'D	DESCRIPTION
-	-	-	-	-	-	



INFORMATION SHOWN ON THIS DRAWING IS PROPRIETARY AND THE SOLE PROPERTY OF PHPK AND IS NOT TO BE DISCLOSED OR TRANSMITTED TO UNAUTHORIZED PARTIES.

. LBS	WORK ORDER	CONTRACT NO.	PART NUMBER	NO. REQ'D	NEXT ASSEMBLY	SIZE
WEIGHT	MVA			2		
DRAWN	MVA	TOLERANCES	PHPK TECHNOLOGIES 2111 BUILDERS PLACE COLUMBUS, OHIO 43204 LCIS II CXU-TB5 UPPER COLD BOX TERMINAL BOX 5			
CHECKED	SPW	FRACTION				
ENGINEER	MVA	XX				
REVIEWED	SPW	XXX				
	ANGULAR					
REL. DATE	8/30/2016		SIZE	DRAWING NO.	CHG.	
			B	15-5032-1415	A	
DIMENSIONS ARE PROVIDED PRIOR TO SURFACE TREATMENTS UNLESS NOTED.			SCALE	NONE	SHEET 1 OF 2	

REVISIONS

CHG.	DATE	DWN.	CH'KD.	ENGR.	REV'D	DESCRIPTION
-	-	-	-	-	-	

NO. REC'D.	P.D. NUMBER	ITEM	PART NUMBER	SIZE	DESCRIPTION	TAG
-1						
1	01	01	CDWL		ELECTRICAL ENCLOSURE - 'HOFFMAN' CSD20166	
1	02	02	CDWL		ELECTRICAL PANEL - 'HOFFMAN' CP2016	
1	03	03	CDWL		MONITORING BRACKET, HOFFMAN, CMFKSS (4 IN SET)	
	04	04				
1	05	05	CDWL		PLASTIC BLACK ON WHITE TAGS SIZED TO FIT, ENGRAVED AS SHOWN	
AS REQ'D	06	06	CDWL		WIRE DUCT, 2"W x 4"H WITH COVER 'PANDUIT'	
3	07	07	CDWL		GROUNDING BLOCK, 'ALLEN BRADLEY' # 1492-WMG4	
2	08	08	CDWL		PARTITION PLATE FOR GROUNDING BLOCK 'ALLEN-BRADLEY' 1492-PPM3	
AS REQ'D	09	09	CDWL		DIN RAIL ' ALLEN BRADLEY' #1492-DR5 DR =	
16	10	10	CDWL		3 CIRCUIT TERMINAL BLOCK, 'ALLEN BRADLEY' # 1492-VTF3	
2	11	11	CDWL		END BARRIER FOR VTF3 TERMINALS 'ALLEN BRADLEY' # 1492-EBTF3	
	12	12				
4	13	13	CDWL		TERMINAL, GREEN, 1 CIRCUIT 'ALLEN BRADLEY' # 1492-J3-G	
42	14	14	CDWL		TERMINAL, BLUE, 1 CIRCUIT 'ALLEN BRADLEY' # 1492-J3-B	
4	15	15	CDWL		ANCHORS, 'ALLEN BRADLEY' # 1492-ERL35 DR = THAT CAN BE LABELED	
2	16	16	CDWL		END BARRIER FOR J3 TERMINALS 'ALLEN BRADLEY' # 1492-ERJ3	
	17	17				
	18	18				
	19	19				
	20	20				
	21	21				
	22	22				
	23	23				
	24	24				
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	49	49				
	50	50				

BILL OF MATERIAL

NOTES:

- TAGS ITEM #5 ENGRAVED: "CIU-TB5" "C2U-TB5"
- SHIELDS TO BE BONDED BY CUSTOMER.

CIU-TB5 NUMBERING		
CIU	MIDDLE	BOTTOM
301	01	SH
302	02	SH
303	03	SH
304	04	SH
SHLD	05	SH
305	06	SH
306	07	SH
307	08	SH
308	09	SH
309	10	SH
310	11	SH
311	12	SH
312	13	SH
313	14	SH
314	15	SH
315	16	SH
316	17	SH
317	18	SH
318	19	SH
319	20	SH
320	21	SH
321	22	SH
322	23	SH
323	24	SH
324	25	SH
325	26	SH
326	27	SH
327	28	SH
328	29	SH
329	30	SH
330	31	SH
331	32	SH
332	33	SH
333	34	SH
334	35	SH
335	36	SH
336	37	SH
337	38	SH
338	39	SH
339	40	SH
340	41	SH
341	42	SH
342	43	SH
343	44	SH
344	45	SH
345	46	SH
346	47	SH
347	48	SH
348	49	SH
349	50	SH
GND		GND
GND		GND

C2U-TB5 NUMBERING		
C2U	MIDDLE	BOTTOM
301	01	SH
302	02	SH
303	03	SH
304	04	SH
SHLD	05	SH
305	06	SH
306	07	SH
307	08	SH
308	09	SH
309	10	SH
310	11	SH
311	12	SH
312	13	SH
313	14	SH
314	15	SH
315	16	SH
316	17	SH
317	18	SH
318	19	SH
319	20	SH
320	21	SH
321	22	SH
322	23	SH
323	24	SH
324	25	SH
325	26	SH
326	27	SH
327	28	SH
328	29	SH
329	30	SH
330	31	SH
331	32	SH
332	33	SH
333	34	SH
334	35	SH
335	36	SH
336	37	SH
337	38	SH
338	39	SH
339	40	SH
340	41	SH
341	42	SH
342	43	SH
343	44	SH
344	45	SH
345	46	SH
346	47	SH
347	48	SH
348	49	SH
349	50	SH
GND		GND
GND		GND

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REL. DATE	8/30/2016
REVIEWED	SPW
ENGINEER	MJA
CHECKED	SPW
DRAWN	MJA
WEIGHT	
. LBS	
CONTRACT NO.	
PART NUMBER	
NO. REC'D	2
NEXT ASSEMBLY	
SIZE	
SCALE	NONE
SHEET	2 OF 2
CHG.	A
SIZE	B
DRAWING NO.	15-5032-1415
TITLE	LOIS II CXU-TB5 UPPER COLD BOX TERMINAL BOX 5
PHPK TECHNOLOGIES	2111 BUILDERS PLACE COLUMBUS, OHIO 43204