



 Gachsaran Polymer Industries Company	<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>				
	<b>LCP and Junction Box Layout,</b> <b>Arrangement and Wiring Drawing for</b> <b>Refrigerator Package</b>		 		
PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0046	Rev. 01	<b>Page 1 of 14</b>		

## LCP and Junction Box Layout, Arrangement and Wiring Drawing for Refrigerator Package

<b>Code1</b>	<input type="checkbox"/> <b>No Comment/ Approved</b> (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing.
<b>Code2</b>	<input type="checkbox"/> <b>No Comment/ Approved with Note(s)</b> Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.
<b>Code3</b>	<input checked="" type="checkbox"/> <b>Commented</b> Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process.
<b>Code 4</b>	<input type="checkbox"/> <b>Not Accepted (Rejected )</b> Vendor/Sub-Contractor shall re-work / re-design / re-specify the contents of the document according to the comments / reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing. Vendor/Sub-Contractor shall not proceed with subsequent works of Material Supply or Manufacturing until receiving Code1/Code2 or No Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 6 working days after receiving comments.
<b>No code</b>	<input type="checkbox"/> <b>No Code</b> ( Applicable Only for "For Information" Documents and "As Built DWGs") Document has been submitted for PURCHASER's Information (FI). Consistency, completeness and correctness of document content is in Vendor/Sub-Contractor's responsibility.
Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing.	
 <b>EIED</b> Energy Industries Engineering & Design co.	<b>Date:</b> Feb.23, 2026 <b>Dept.:</b> MA <b>Signature:</b> F.Hamooni

01	15-Feb-26	IFR	A.M	F.T	A.M
00	14-Jan-26	IFR	A.M	F.T	A.M
<b>Rev.</b>	<b>DATE</b>	<b>PURPOSE OF ISSUE</b>	<b>PREPARED</b>	<b>CHECKED</b>	<b>APPROVED</b>

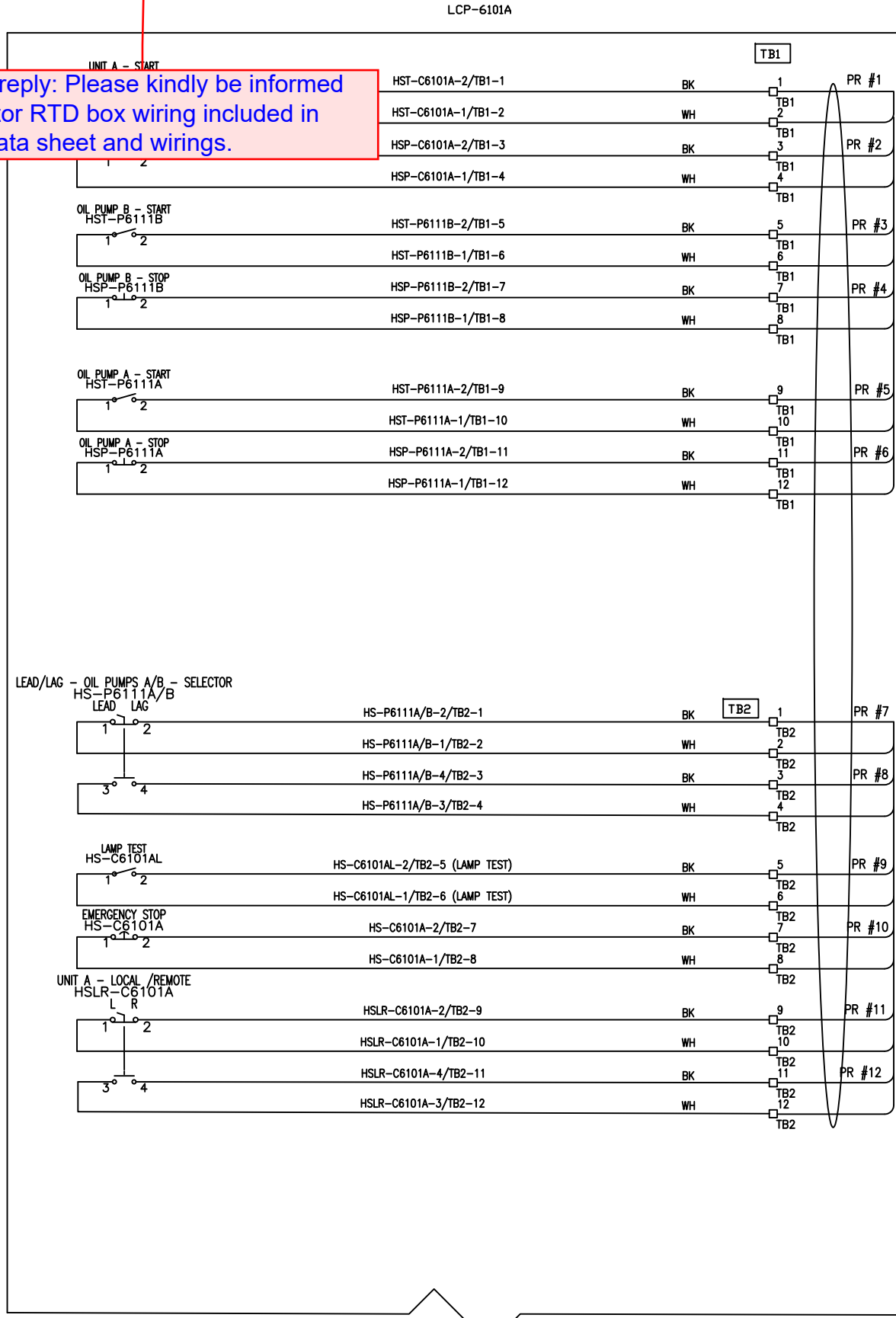


IN-01. JB wiring of motors for RTD cables which are connected to UCP shall be added to this document.

Vendor reply: Please kindly be informed that Motor RTD box wiring included in motor data sheet and wirings.

Be note that RTD for winding & Bearing shall be connected to UCP, so all I/O & Related cable shall be considered for connection in this document or related document.

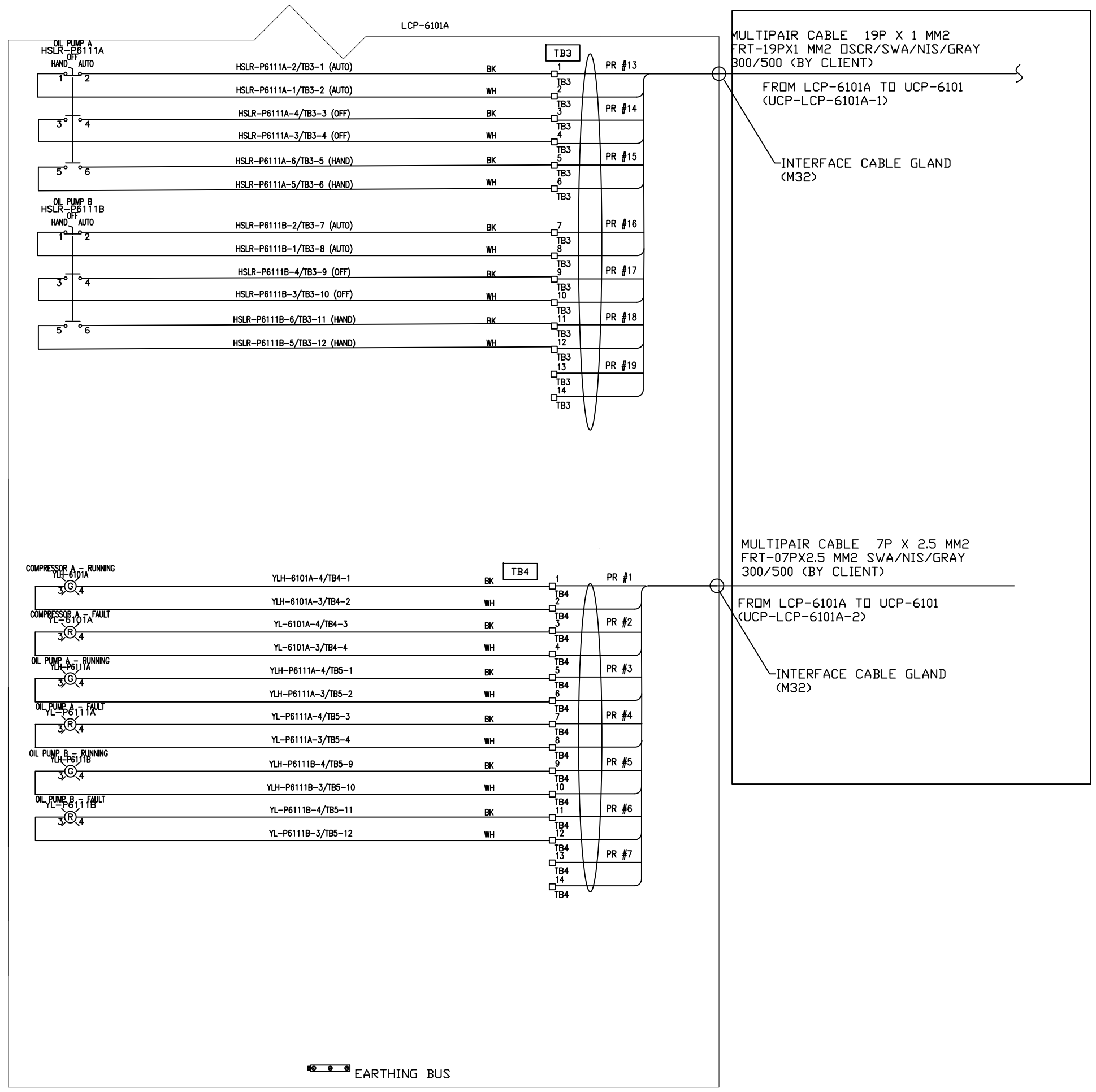
Vendor Reply: Please kindly be informed tha According to MAYEKAWA design criteria and guarantee for all projects around the world including Iran projects and also client scope of work which detailed in P.21/38 of GPIC-DD-IN-SPC-000-0003-03 with considering note 1 for motor terminations and protection in MCC, Winding RTD will be monitored in MCC and just Bearing RTD will be transmitted to UCP directly. So termination could be found in motor data sheet and wiring. All documents are



- NOTE**
- INDIVIDUAL CONTROL WIRES SHALL BE IDENTIFIED BY TWO LABELS AT EACH END. THE FIRST LABEL (CLOSEST TO THE END OF THE WIRE) SHALL IDENTIFY THE NUMBER OF THE TERMINAL TO WHICH THE WIRE IS CONNECTED. THE OTHER LABEL SHALL IDENTIFY THE TERMINAL OF THE OPPOSITE END OF THE WIRE.
  - AC SUPPLY PHASE: BLACK, WHITE, NEUTRAL, GREEN OR W/YELLOW TRACER. DC SUPPLY POSITIVE: RED OR RED SLEEVE OVER ANY COLOR EXCEPT GREEN. NEGATIVE: BLACK OR BLACK SLEEVE OVER ANY COLOR EXCEPT GREEN.
  - SIGNAL PAIR POSITIVE: BLACK, NEGATIVE: WHITE. SINGLE TRIAD POSITIVE: BLACK, NEGATIVE: WHITE, THIRD WIRE: RED.
  - THERMOCPL POSITIVE: PER ANSI MC96.1, NEGATIVE: PER ANSI MC96.1.
  - IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
  - SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION.
  - DEVICES ARE EX(d) RATED.
  - LOCAL PANEL IS EX(e), IIB, T3, IP65 RATED AND MATERIAL IS SS 316 OR ALUMINUM.
  - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
  - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM.
  - ENCLOSURE THICKNESS: 1.5 MM.

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.				
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Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the status of "to be reviewed". All corrected documents shall be resubmitted before starting the manufacturing process.				
Code4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Sub-Contractor shall not proceed with subsequent work of material supply or manufacturing until receiving Code1/Code2 or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.				
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document but not released for PURCHASER's information. (P): Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility. The above checking result by EED shall in no way release Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.				
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SIGNATURE: _____					
CV	PI	EL	IR	ME	SA
BT	BU	PR	SA	HY	TL

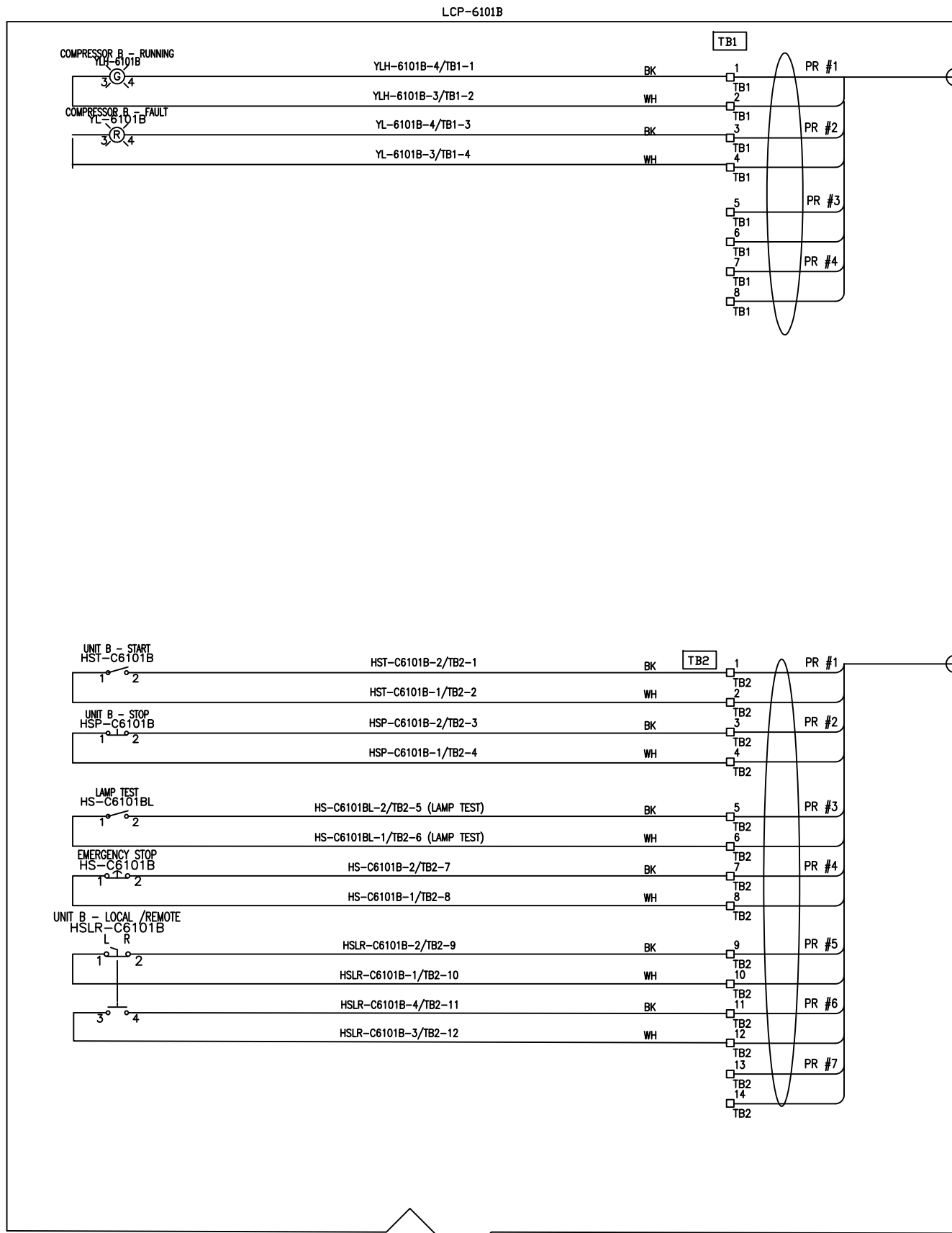
01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
EPI		Gachsaran Polymer Industries Company		HDPE Plant	
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: LCP and Junction Box Layout, Arrangement and Wiring Drawing					
DRAWING NO. VD-GPIC-MA-3029-3029-0046				REV. SHEET NO. SIZE 01 3 OF 14 A3	



- NOTE
- INDIVIDUAL CONTROL WIRES SHALL BE IDENTIFIED BY TWO LABELS AT EACH END. THE FIRST LABEL (CLOSEST TO THE END OF THE WIRE) SHALL IDENTIFY THE NUMBER OF THE TERMINAL TO WHICH THE WIRE IS CONNECTED. THE OTHER LABEL SHALL IDENTIFY THE TERMINAL OF THE OPPOSITE END OF THE WIRE.
  - AC SUPPLY PHASE: BLACK, WHITE, NEUTRAL, GREEN OR GREEN W/YELLOW TRACER. GROUND: GREEN OR W/YELLOW TRACER.
  - DC SUPPLY POSITIVE: RED OR RED SLEEVE OVER ANY COLOR EXCEPT GREEN. NEGATIVE: BLACK OR BLACK SLEEVE OVER ANY COLOR EXCEPT GREEN.
  - SIGNAL PAIR POSITIVE: BLACK, NEGATIVE: WHITE.
  - SINGLE TRIAD POSITIVE: BLACK, NEGATIVE: WHITE, THIRD WIRE: RED.
  - THERMOCPL POSITIVE: PER ANSI MC96.1, NEGATIVE: PER ANSI MC96.1.
  - IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
  - SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION.
  - DEVICES ARE EX(d) RATED.
  - LOCAL PANEL IS EX(e), IIB, T3, IP65 RATED AND MATERIAL IS SS 316 OR ALUMINUM.
  - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
  - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM.
  - ENCLOSURE THICKNESS: 1.5 MM.

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Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the status of "To be tested later". All corrected documents shall be resubmitted before starting the manufacturing process.				
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DEPT: _____					
Signature: _____					
CV	PI	EL	IR	ME	QA
BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE (DD.MM.YY)	Purpose of Issue	Prepared	Checked	Approved
		<b>Gachsan Polymer Industries Company</b> <b>HDPE Plant</b>			
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046				REV. SHEET NO.	SIZE
				01	4 OF 14 A3



MULTIPAIR CABLE 4P X 2.5 MM2  
FRT-04PX2.5 MM2 SWA/NIA/GRAY  
300/500 (BY CLIENT)

FROM LCP-6101B TO UCP-6101  
(UCP-LCP-6101B-2)

INTERFACE CABLE GLAND  
(M32)

MULTIPAIR CABLE 7P X 1 MM2  
FRT-07PX1MM2 SWA/NIS/GRAY  
300/500 (BY CLIENT)

FROM LCP-6101B TO UCP-6101  
(UCP-LCP-6101B-1)

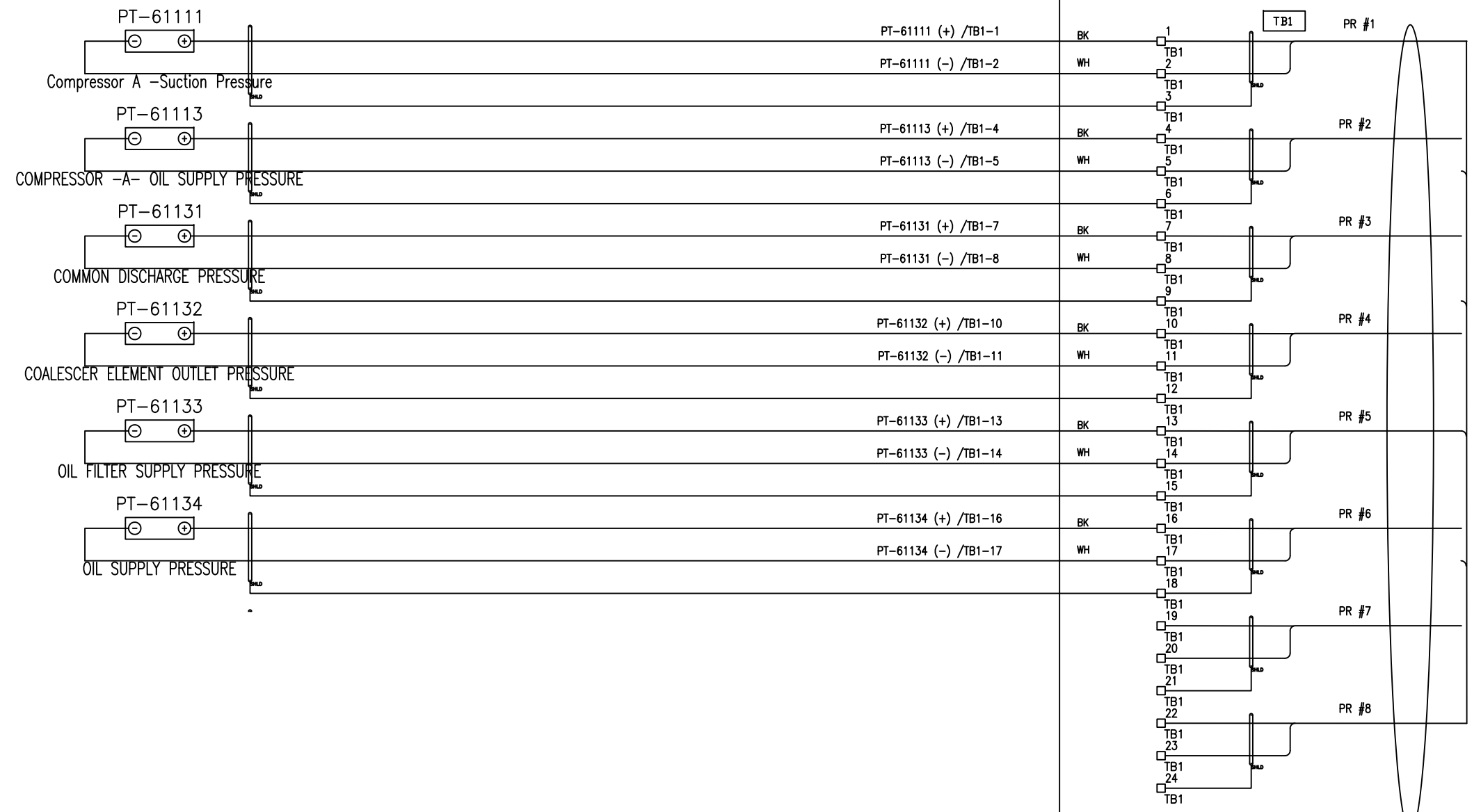
INTERFACE CABLE GLAND  
(M25)

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  - AC SUPPLY PHASE: BLACK, WHITE, NEUTRAL, GREEN OR W/YELLOW TRACER. DC SUPPLY POSITIVE: RED OR RED SLEEVE OVER ANY COLOR EXCEPT GREEN. NEGATIVE: BLACK OR BLACK SLEEVE OVER ANY COLOR EXCEPT GREEN.
  - SIGNAL PAIR POSITIVE: BLACK, NEGATIVE: WHITE. SINGLE TRIAD POSITIVE: BLACK, NEGATIVE: WHITE, THIRD WIRE: RED. THERMOCP: POSITIVE: PER ANSI MC96.1, NEGATIVE: PER ANSI MC96.1.
  - IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
  - SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION.
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  - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
  - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM.
  - ENCLOSURE THICKNESS: 1.5 MM.

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Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be marked under the status of "to be closed soon". All corrected documents shall be resubmitted before starting the manufacturing process.				
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SIGNATURE: _____					
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BT	BU	PR	SA	SV	TL

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00	14.Jan.26	IFR	R.G	F.T	AM
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		<b>Gachsan Polymer Industries Company</b> <b>HDPE Plant</b>			
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046				REV. SHEET NO. SIZE 01 5 OF 14 A3	




JB-UJA-611

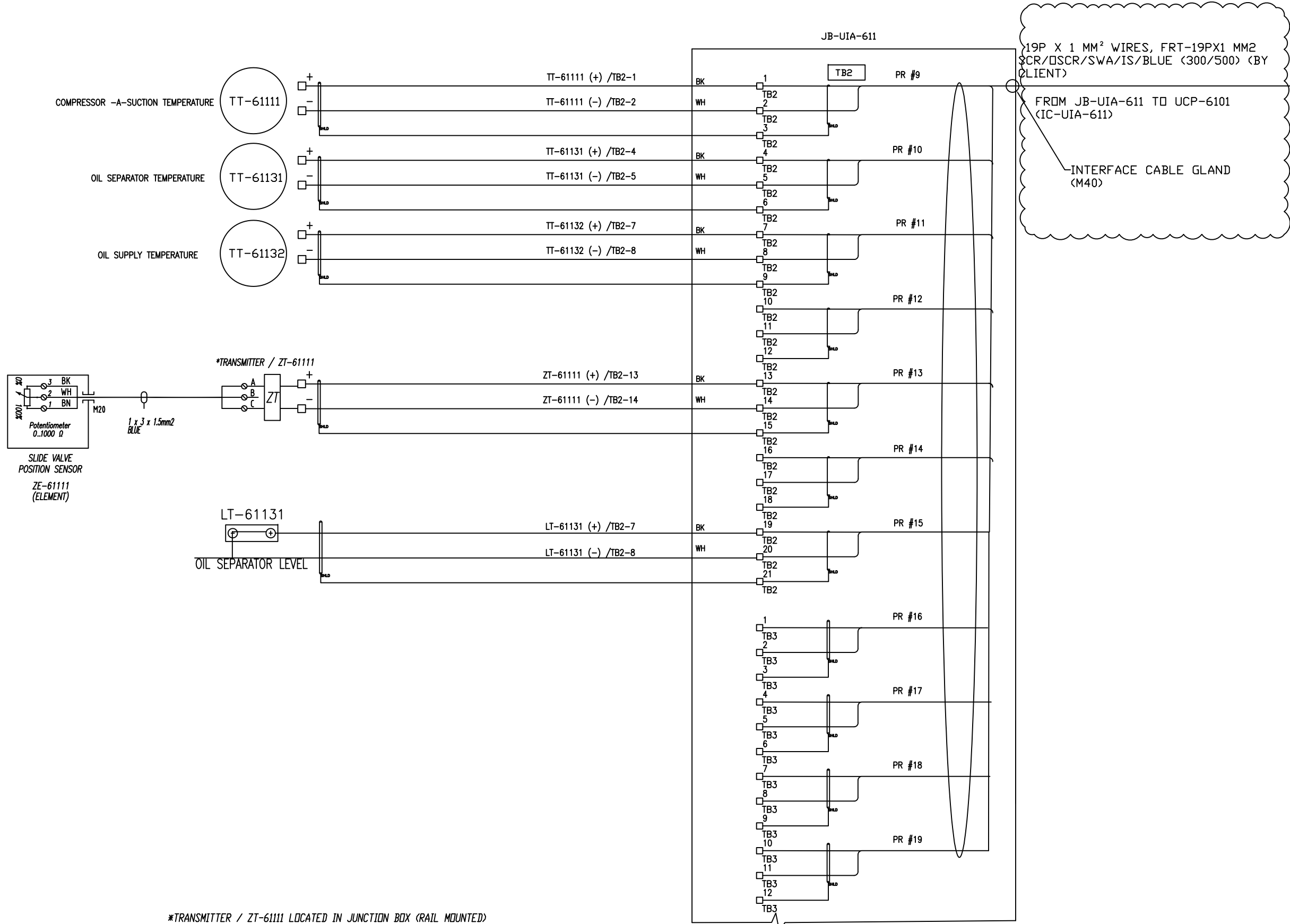


NOTE

JUNCTION BOX SPECIFICATION: EX PROTECTION : II 2G Ex e IIB T3  
 INGRESS PROTECTION : IP65  
 AMBIENT TEMP. CONDITION : -20 ... +55 °C  
 ENCLOSURE MATERIAL : STAINLESS STEEL 316  
 TB Type : 2.5mm2/BBLUE  
 INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)  
 OPERATING VOLTAGE : <= 30V  
 OPERATING CURRENT (TOTAL) : <= 6A  
 EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2  
 BREATHER/DRAIN : Stainless steel  
 STOPPING PLUG : Nickel plated brass  
 CABLE GLAND : Nickel plated brass  
 EARTH BOLT : M8  
 ENCLOSURE THICKNESS : 1.5 MM

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DATE : DEPT : Signature :					
CV	PI	EL	IN	ME	QA
BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
  <b>Gachsaran Polymer Industries Company</b> HDPE Plant					
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046					REV. SHEET NO. SIZE 01 6 OF 14 A3



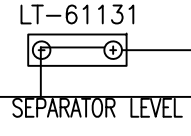
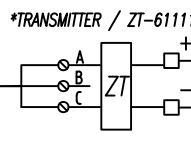
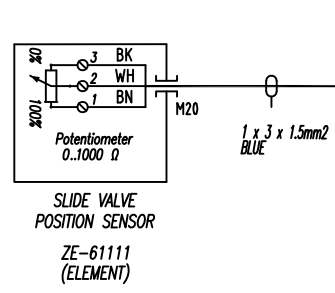
19P X 1 MM<sup>2</sup> WIRES, FRT-19PX1 MM2  
SCR/DSCR/SWA/IS/BLUE (300/500) (BY CLIENT)

FROM JB-UIA-611 TO UCP-6101  
(IC-UIA-611)

INTERFACE CABLE GLAND  
(M40)

NOTE

JUNCTION BOX SPECIFICATION: EX PROTECTION : IP 26 Ex e IIB T3  
 INGRESS PROTECTION : IP65  
 AMBIENT TEMP. CONDITION : -20 ... +55 °C  
 ENCLOSURE MATERIAL : STAINLESS STEEL 316  
 TB Type : 2.5mm2/BLUE  
 INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)  
 OPERATING VOLTAGE : <= 30V  
 OPERATING CURRENT (TOTAL) : <= 6A  
 EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2  
 BREATHER/DRAIN : Stainless steel  
 STOPPING PLUG : Nickel plated brass  
 CABLE GLAND : Nickel plated brass  
 EARTH BOLT : M8  
 ENCLOSURE THICKNESS : 1.5 MM



\*TRANSMITTER / ZT-61111 LOCATED IN JUNCTION BOX (RAIL MOUNTED)

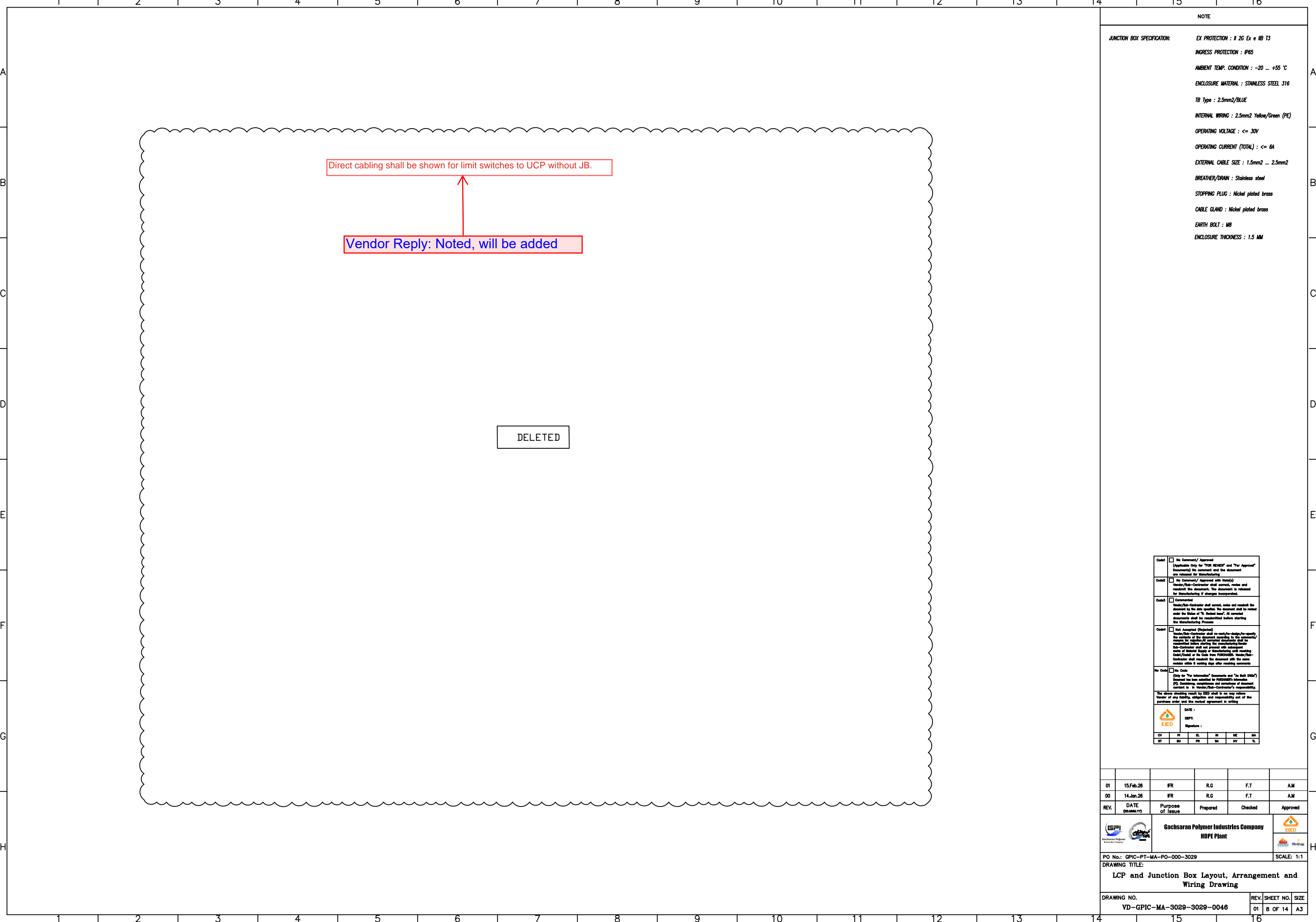
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No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document but not suitable for PURCHASER'S release. PO, Controlling, completion and correctness of document, contact to the Vendor/Sub-Contractor's responsibility.)

The above checking result by ESD shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.

DATE: \_\_\_\_\_  
 DEPT: \_\_\_\_\_  
 Signature: \_\_\_\_\_

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01	15.Feb.26	IFR	R.G	F.T	A.M
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PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
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DRAWING NO. VD-GPIC-MA-3029-3029-0046				REV. SHEET NO.	SIZE
				01	7 OF 14 A3



**NOTE**

**JUNCTION BOX SPECIFICATION:**

EX PROTECTION : I 2G Ex e IIB T3

INGRESS PROTECTION : IP65

AMBIENT TEMP. CONDITION : -20 ... +55 °C

ENCLOSURE MATERIAL : STAINLESS STEEL 316

TB Type : 2.5mm2/BLUE

INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)

OPERATING VOLTAGE : <= 30V

OPERATING CURRENT (TOTAL) : <= 6A

EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2

BREATHER/DRAIN : Stainless steel

STOPPING PLUG : Nickel plated brass

CABLE GLAND : Nickel plated brass

EARTH BOLT : M8

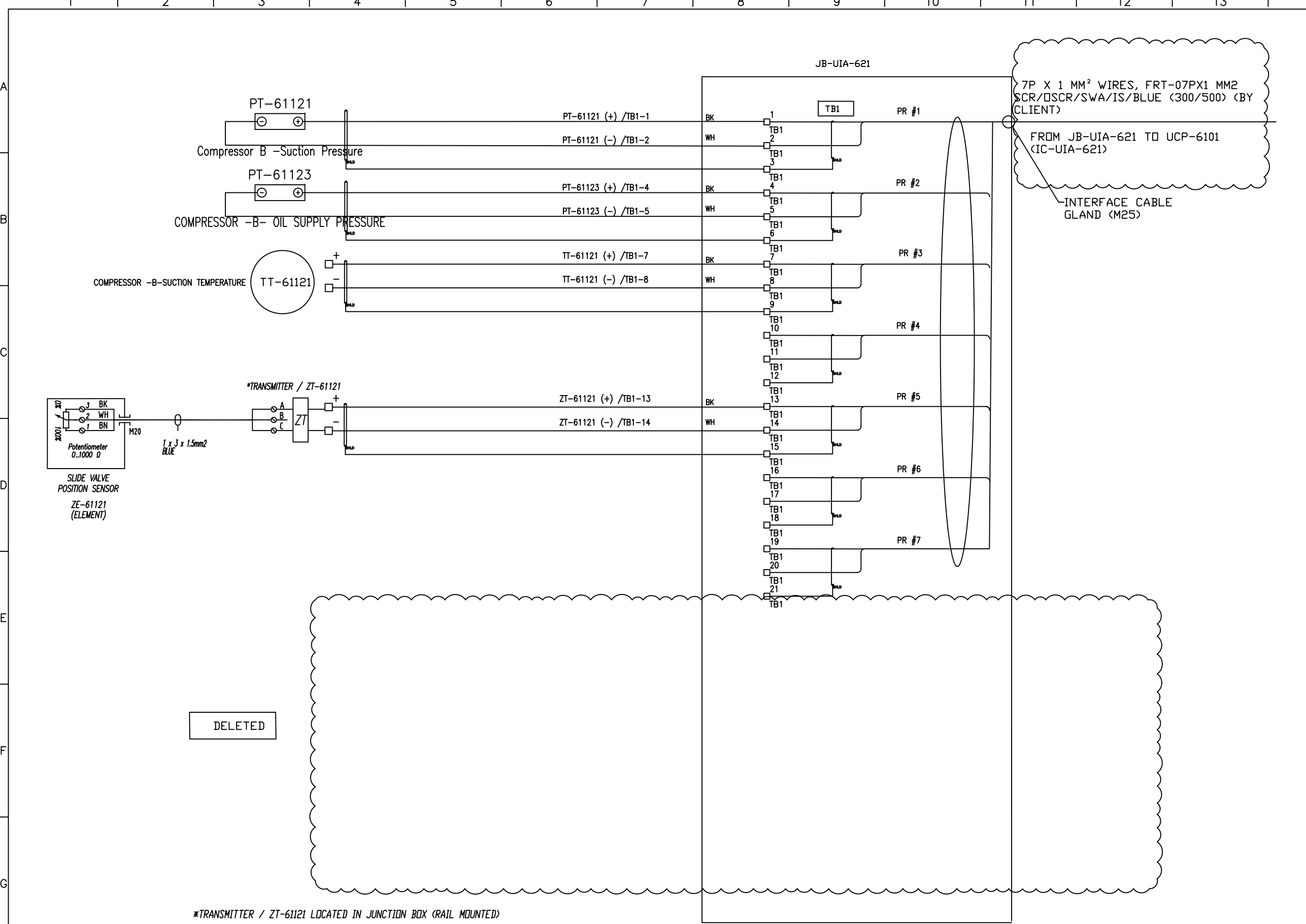
ENCLOSURE THICKNESS : 1.5 MM

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DATE :  
EEDP  
Signature :

CV	PI	EL	IN	ME	MA
BT	SU	PR	SA	HY	TL

01	15.Feb.26	IFR	R.G	F.T	AJM
00	14.Jan.26	IFR	R.G	F.T	AJM
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PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
<b>DRAWING TITLE:</b>					
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<b>DRAWING NO.</b>					<b>REV. SHEET NO. SIZE</b>
VD-GPIC-MA-3029-3029-0046					01 8 OF 14 A3



NOTE

JUNCTION BOX SPECIFICATION:

EX PROTECTION : IP 26 Ex e IIB T3

INGRESS PROTECTION : IP65

AMBIENT TEMP. CONDITION : -20 ... +55 °C

ENCLOSURE MATERIAL : STAINLESS STEEL 316

TB Type : 2.5mm2/BLUE

INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)

OPERATING VOLTAGE : <= 30V

OPERATING CURRENT (TOTAL) : <= 6A

EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2

BREATHER/DRAIN : Stainless steel

STOPPING PLUG : Nickel plated brass

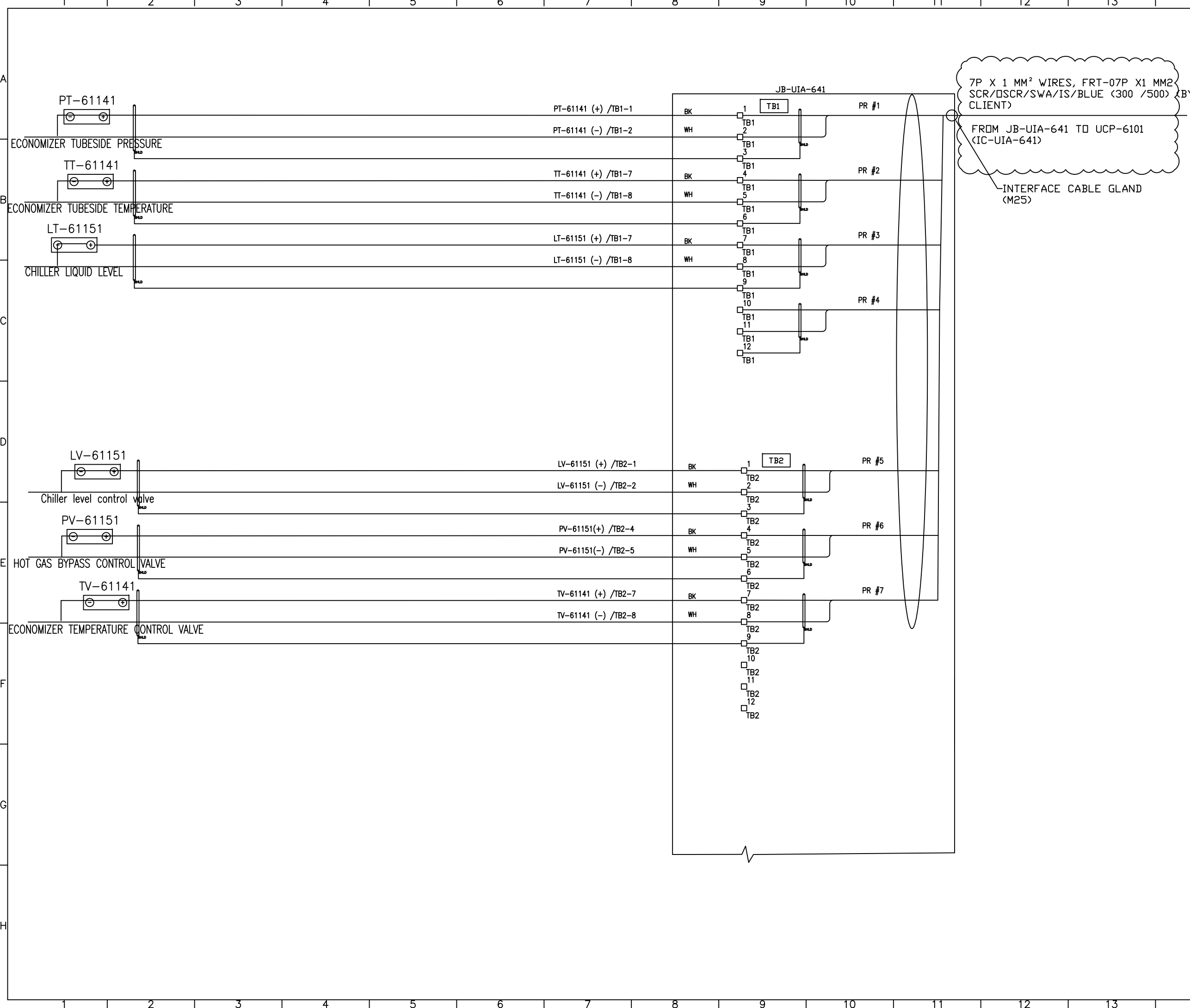
CABLE GLAND : Nickel plated brass

EARTH BOLT : M8

ENCLOSURE THICKNESS : 1.5 MM

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.				
Code2	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if changes incorporated.				
Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the status of "to be tested item". All corrected documents shall be resubmitted before starting the manufacturing process.				
Code4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the approved/required reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Sub-Contractor shall not proceed with subsequent work of material supply or manufacturing until receiving Code1/Code2 or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.				
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document has been submitted for PURCHASER's release) PV. Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility. The above checking result by EED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the material agreement in writing.				
DATE : DEPT : Signature :					
CV	PI	EL	SH	ME	SA
BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>					
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046					REV. SHEET NO. SIZE 01 9 OF 14 A3



**NOTE**

**JUNCTION BOX SPECIFICATION:**

- EX PROTECTION : IP 2G Ex e IIB T3
- INGRESS PROTECTION : IP65
- AMBIENT TEMP. CONDITION : -20 ... +55 °C
- ENCLOSURE MATERIAL : STAINLESS STEEL 316
- TB Type : 2.5mm<sup>2</sup>/BLUE
- INTERNAL WIRING : 2.5mm<sup>2</sup> Yellow/Green (PE)
- OPERATING VOLTAGE : <= 30V
- OPERATING CURRENT (TOTAL) : <= 6A
- EXTERNAL CABLE SIZE : 1.5mm<sup>2</sup> ... 2.5mm<sup>2</sup>
- BREATHER/DRAIN : Stainless steel
- STOPPING PLUG : Nickel plated brass
- CABLE GLAND : Nickel plated brass
- EARTH BOLT : M8
- ENCLOSURE THICKNESS : 1.5 MM

Checked	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.
Checked	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change is incorporated.
Checked	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be marked under the status of "to be closed later". All corrected documents shall be resubmitted before starting the manufacturing process.
Checked	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the comments/notes for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Vendor/Sub-Contractor shall not proceed with subsequent work of material supply or manufacturing until receiving Order/Check or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document has been submitted for PURCHASER'S information. (P) Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility.)

The above checking result by EED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.

DATE :  
DEPT :  
Signature :

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BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved

PO No.: GPIC-PT-MA-PO-000-3029 SCALE: 1:1

DRAWING TITLE:  
**LCP and Junction Box Layout, Arrangement and Wiring Drawing**

DRAWING NO.	REV.	SHEET NO.	SIZE
VD-GPIC-MA-3029-3029-0046	01	10 OF 14	A3

JB-UEV-612

SLIDE VALVE SOV  
UNLOAD  
XY-61111  
1 2

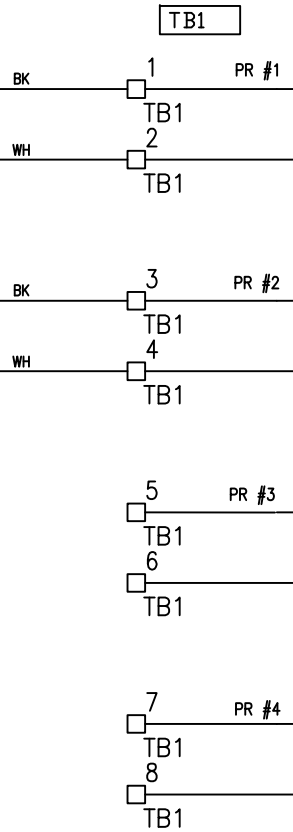
XY-61111/TB1-1

XY-61111/TB1-2

SLIDE VALVE SOV  
LOAD  
XY-61112  
1 2

XY-61112/TB1-3

XY-61112/TB1-4



4P X 2.5 MM<sup>2</sup> WIRES, FRT-04PX2.5 MM<sup>2</sup>  
SWA/NIS/GRAY (300 /500) (BY CLIENT)

FROM JB-UEV-612 TO UCP-6101  
(IC-UEV-612)

INTERFACE CABLE GLAND  
(M32)

NOTE

**JUNCTION BOX SPECIFICATION:**

- EX PROTECTION : IP 20 Ex e IIB T3
- INGRESS PROTECTION : IP65
- AMBIENT TEMP. CONDITION : -20 ... +55 °C
- ENCLOSURE MATERIAL : STAINLESS STEEL 316
- TB Type : 4mm<sup>2</sup>/GREY
- INTERNAL WIRING : 2.5mm<sup>2</sup> Yellow/Green (PE)
- OPERATING VOLTAGE : <= 30V
- OPERATING CURRENT (TOTAL) : <= 6A
- EXTERNAL CABLE SIZE : 1.5mm<sup>2</sup> ... 2.5mm<sup>2</sup>
- BREATHER/DRAIN : Stainless steel
- STOPPING PLUG : Nickel plated brass
- CABLE GLAND : Nickel plated brass
- EARTH BOLT : M8
- ENCLOSURE THICKNESS : 1.5 MM

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.
Code2	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change is incorporated.
Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released". All commented documents shall be resubmitted before starting the manufacturing process.
Code4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Sub-Contractor shall not proceed with subsequent work of material supply or manufacturing until receiving Code1/Code2 or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document has been submitted for PURCHASER's release) PV, Controlling, completion and correctness of document, contact is to Vendor/Sub-Contractor's responsibility.

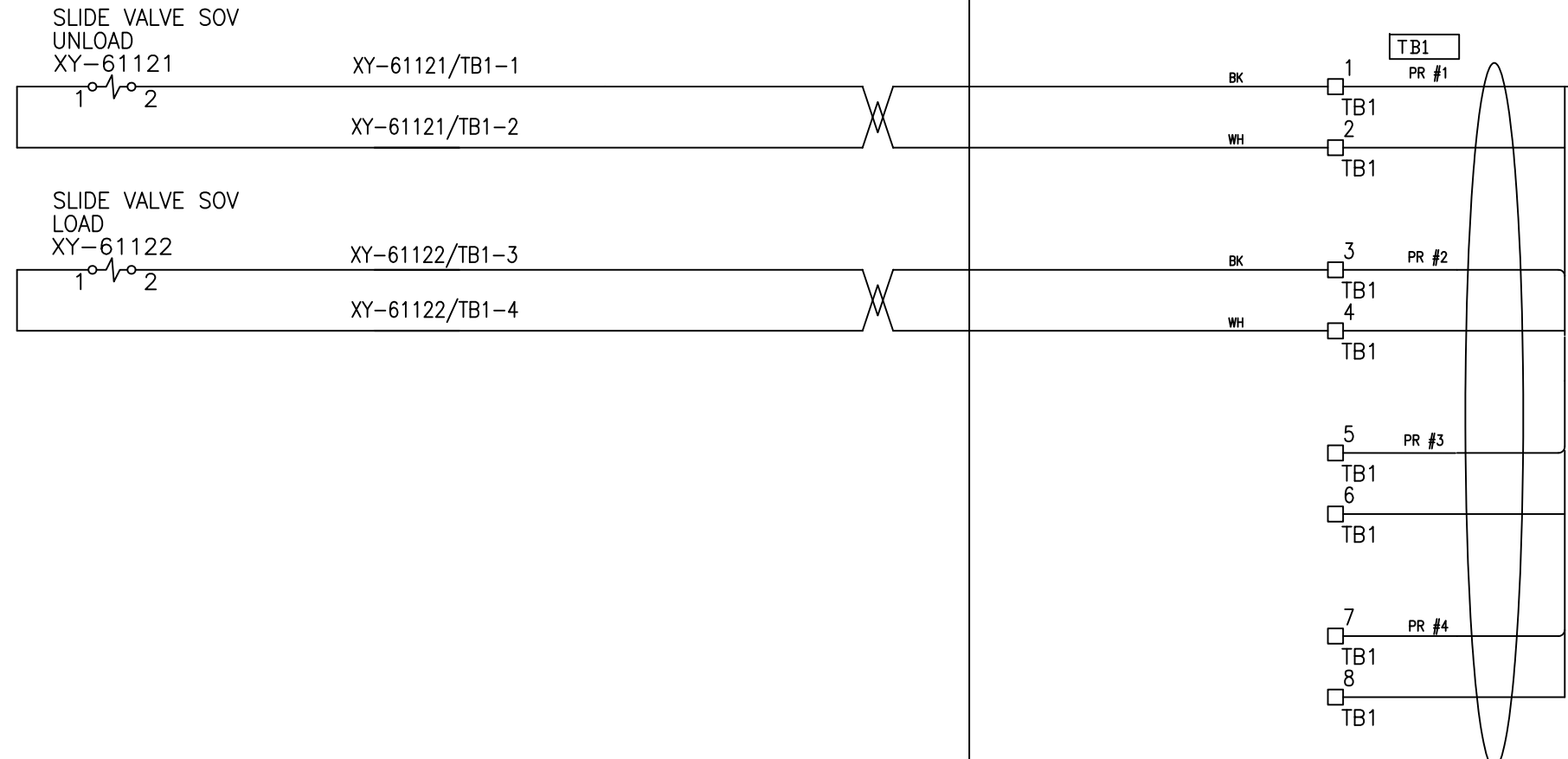
The above checking result by EED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.

DATE :  
DEPT :  
Signature :  
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BT	BU	PR	SA	HY	TL

01	15.Feb.26	IFR	R.G	F.T	A.M
00	14.Jan.26	IFR	R.G	F.T	A.M
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
		<b>Gachsaran Polymer Industries Company</b> HDPE Plant			
PO No.: GPIC-PT-MA-PO-000-3029		SCALE: 1:1			
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046				REV. SHEET NO.	SIZE
				01 11 OF 14	A3

JB-UEV-622



4P X 2.5 MM<sup>2</sup> WIRES, FRT-04PX2.5 MM<sup>2</sup> SWA/NIS/GRAY (300 /500) (BY CLIENT)  
 FROM JB-UEV-622 TO UCP-6101 (IC-UEV-622)  
 INTERFACE CABLE GLAND (M32)

NOTE

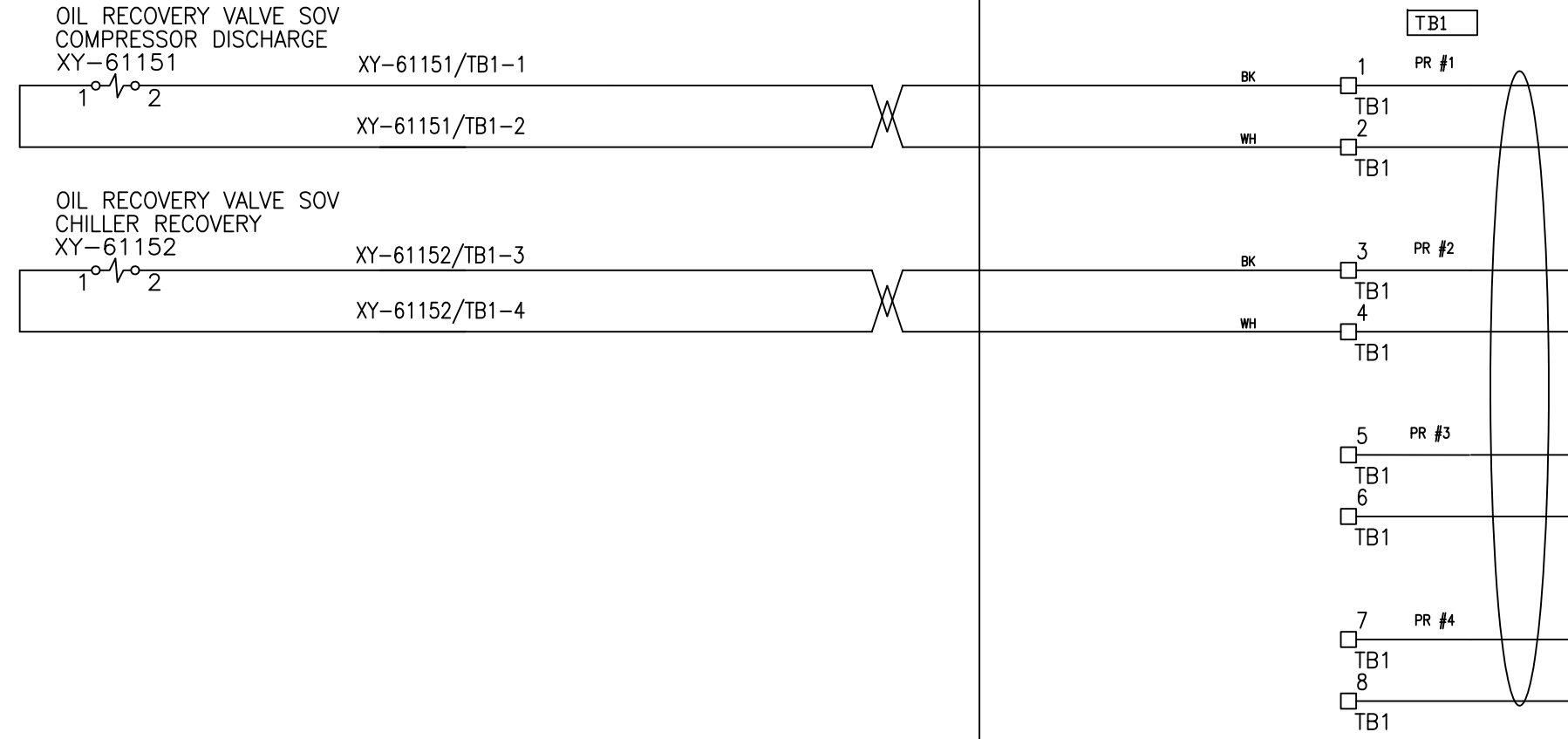
JUNCTION BOX SPECIFICATION:

EX PROTECTION :	IP 2G Ex e IIB T3
INGRESS PROTECTION :	IP65
AMBIENT TEMP. CONDITION :	-20 ... +55 °C
ENCLOSURE MATERIAL :	STAINLESS STEEL 316
TB Type :	4mm <sup>2</sup> /GREY
INTERNAL WIRING :	2.5mm <sup>2</sup> Yellow/Green (PE)
OPERATING VOLTAGE :	<= 30V
OPERATING CURRENT (TOTAL) :	<= 6A
EXTERNAL CABLE SIZE :	1.5mm <sup>2</sup> ... 2.5mm <sup>2</sup>
BREATHER/DRAIN :	Stainless steel
STOPPING PLUG :	Nickel plated brass
CABLE GLAND :	Nickel plated brass
EARTH BOLT :	M8
ENCLOSURE THICKNESS :	1.5 MM

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.				
Code2	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change is incorporated.				
Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released". All commented documents shall be resubmitted before starting the manufacturing process.				
Code4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Sub-Contractor shall not proceed with subsequent work of material supply or manufacturing until receiving Code1/Code2 or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.				
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" document has been submitted for PURCHASER's information. (P). Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility. The above checking result by EED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.				
DATE :					
DEPT :					
Signature :					
CV	PI	EL	SH	ME	SA
BT	BU	PR	QA	IV	TL

01	15.Feb.26	IFR	R.G	F.T	A.M
00	14.Jan.26	IFR	R.G	F.T	A.M
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
			<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>		
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE:					
LCP and Junction Box Layout, Arrangement and Wiring Drawing					
DRAWING NO.				REV.	SHEET NO.
VD-GPIC-MA-3029-3029-0046				01	12 OF 14
				SIZE	
				A3	

JB-UEV-652



4P X 2.5 MM<sup>2</sup> WIRES, FRT-04PX2.5 MM2 SWA/NIS/GRAY (300 /500) (BY CLIENT)

FROM JB-UEV-652 TO UCP-6101 (IC-UEV-652)

INTERFACE CABLE GLAND (M32)

NOTE

**JUNCTION BOX SPECIFICATION:**

- EX PROTECTION : II 2G Ex e IIB T3
- INGRESS PROTECTION : IP65
- AMBIENT TEMP. CONDITION : -20 ... +55 °C
- ENCLOSURE MATERIAL : STAINLESS STEEL 316
- TB Type : 4mm2/GREY
- INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)
- OPERATING VOLTAGE : <= 30V
- OPERATING CURRENT (TOTAL) : <= 6A
- EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2
- BREATHER/DRAIN : Stainless steel
- STOPPING PLUG : Nickel plated brass
- CABLE GLAND : Nickel plated brass
- EARTH BOLT : M8
- ENCLOSURE THICKNESS : 1.5 MM




Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.
Code2	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change is incorporated.
Code3	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released". All commented documents shall be resubmitted before starting the manufacturing process.
Code4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the contents of the document according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing process. Sub-Contractor shall not proceed with subsequent work of related supply or manufacturing until receiving Code1/Code2 or its Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 5 working days after receiving comments.
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "As Built DWH") Document has been submitted for PURCHASER's information. (If Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility.)

The above checking result by ESD shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the related agreement in writing.

DATE :  
DEPT :  
Signature :

CV	PI	EL	IN	ME	QA
BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	A.M
00	14.Jan.26	IFR	R.G	F.T	A.M
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved

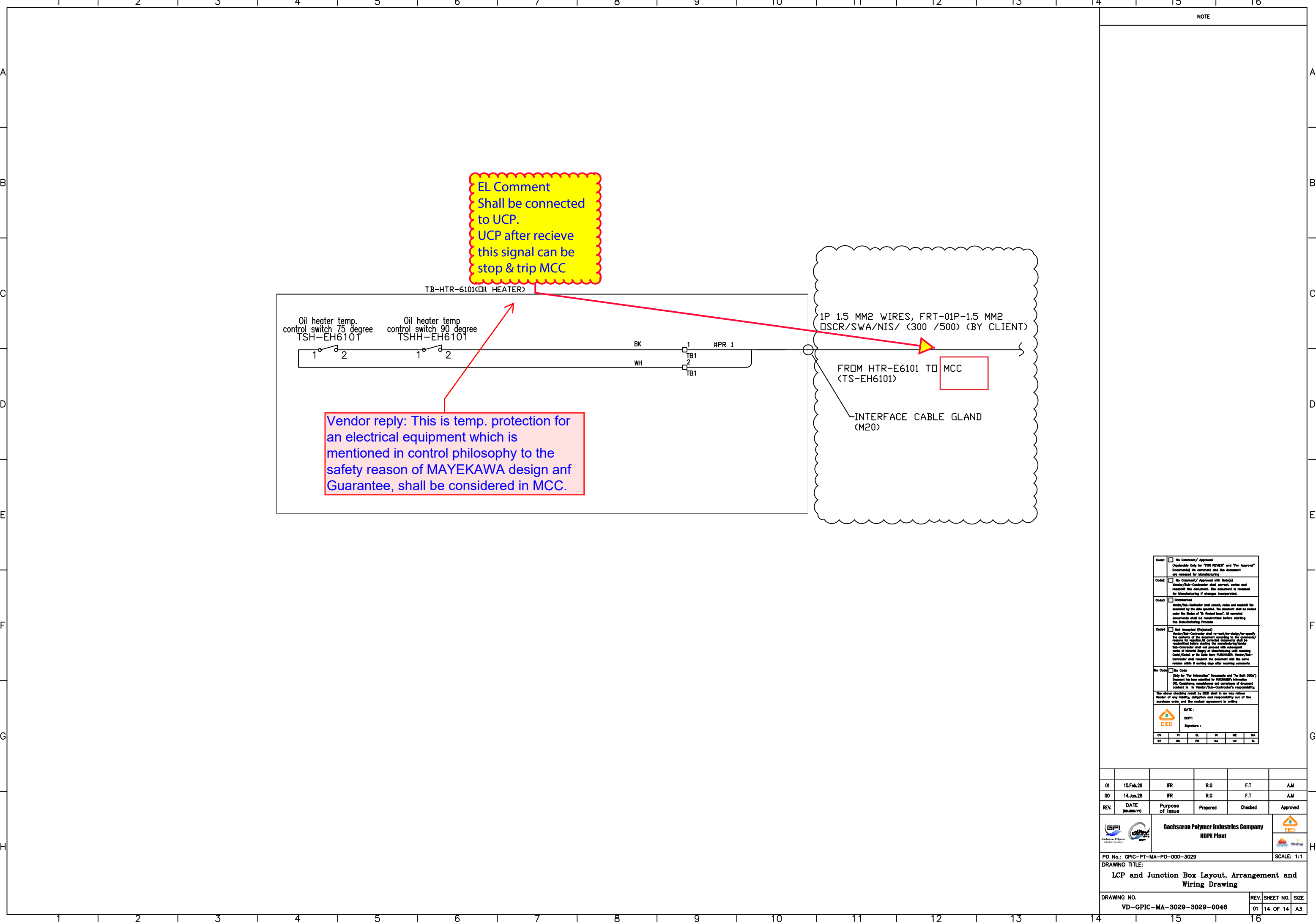




**Gachsaran Polymer Industries Company**  
**HDPE Plant**

PO No.: GPIC-PT-MA-PO-000-3029 SCALE: 1:1

DRAWING TITLE:  
**LCP and Junction Box Layout, Arrangement and Wiring Drawing**

DRAWING NO.	REV.	SHEET NO.	SIZE
VD-GPIC-MA-3029-3029-0046	01	13 OF 14	A3



NOTE

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing.
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No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "As Built" drawings) Document has been submitted for PURCHASER'S information. (If Containing, completeness and correctness of document, contact is to Vendor/Sub-Contractor's responsibility.)

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DATE :  
DEPT :  
Signature :

CV	PI	EL	IN	ME	QA
BT	BU	PR	SA	SV	TL

01	15.Feb.26	IFR	R.G	F.T	AM
00	14.Jan.26	IFR	R.G	F.T	AM
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>					
PO No.: GPIC-PT-MA-PO-000-3029					SCALE: 1:1
DRAWING TITLE: <b>LCP and Junction Box Layout, Arrangement and Wiring Drawing</b>					
DRAWING NO. VD-GPIC-MA-3029-3029-0046					REV. SHEET NO. SIZE 01 14 OF 14 A3