







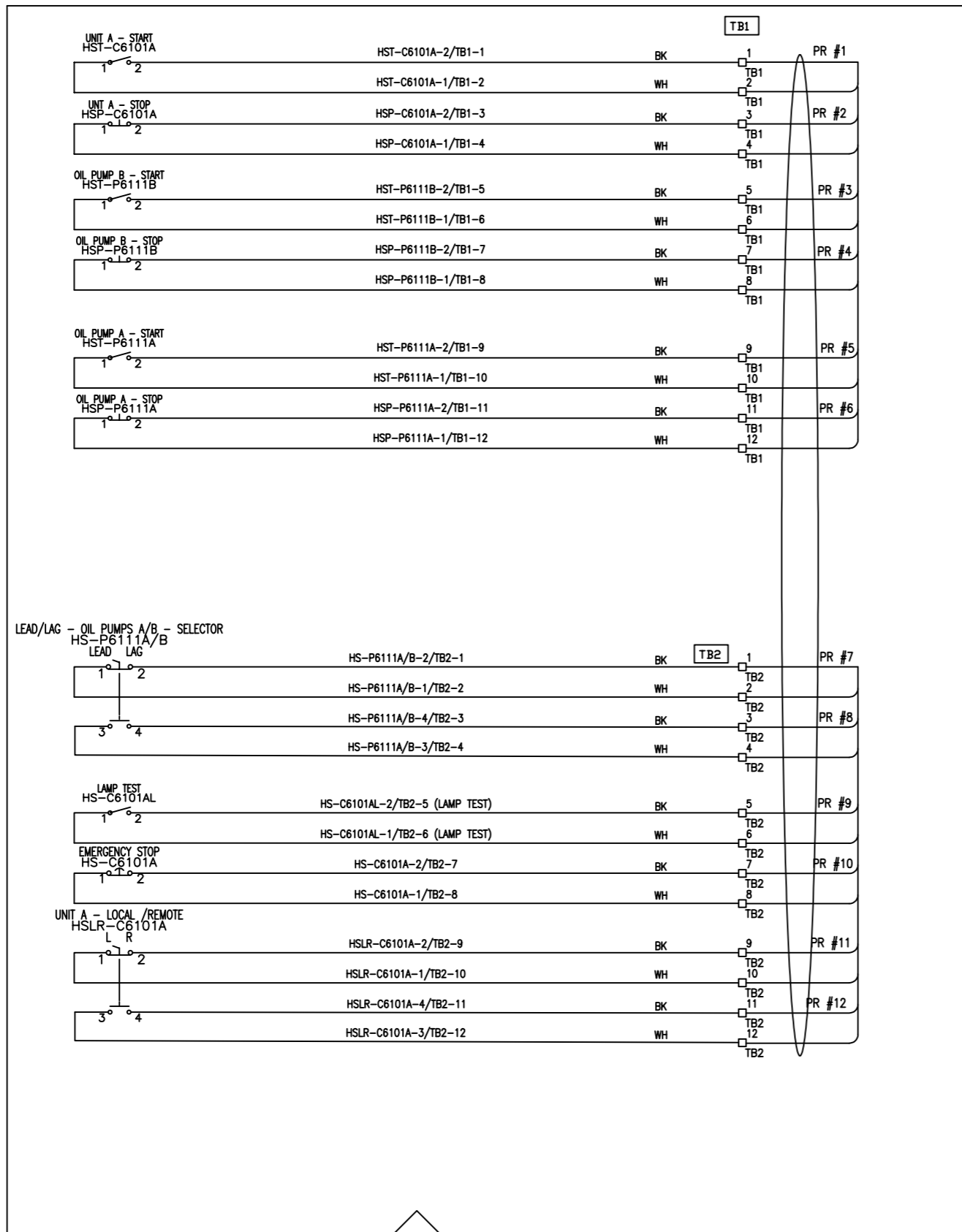
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|   Gachsaran Polymer Industries Company PIDMCO | Gachsaran Polymer Industries Company HDPE Plant | |  | | |
| | LCP and Junction Box Layout, Arrangement and Wiring Drawing for Refrigerator Package | |   | | |
| PO No.: GPIC-PT-MA-PO-000-3029 | Document Number: VD-GPIC-MA-3029-3029-0046 | Rev. 02 | Page 1 of 14 | | |

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

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| 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 checked="" 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 revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process. |
| Code 4 | <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. 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. |
| No code | <input type="checkbox"/> No Code (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. | |
|  EIED Energy Industries Engineering & Design co. | Date: April. 20, 2026 Dept.: MA Signature: F.Hamooni |

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

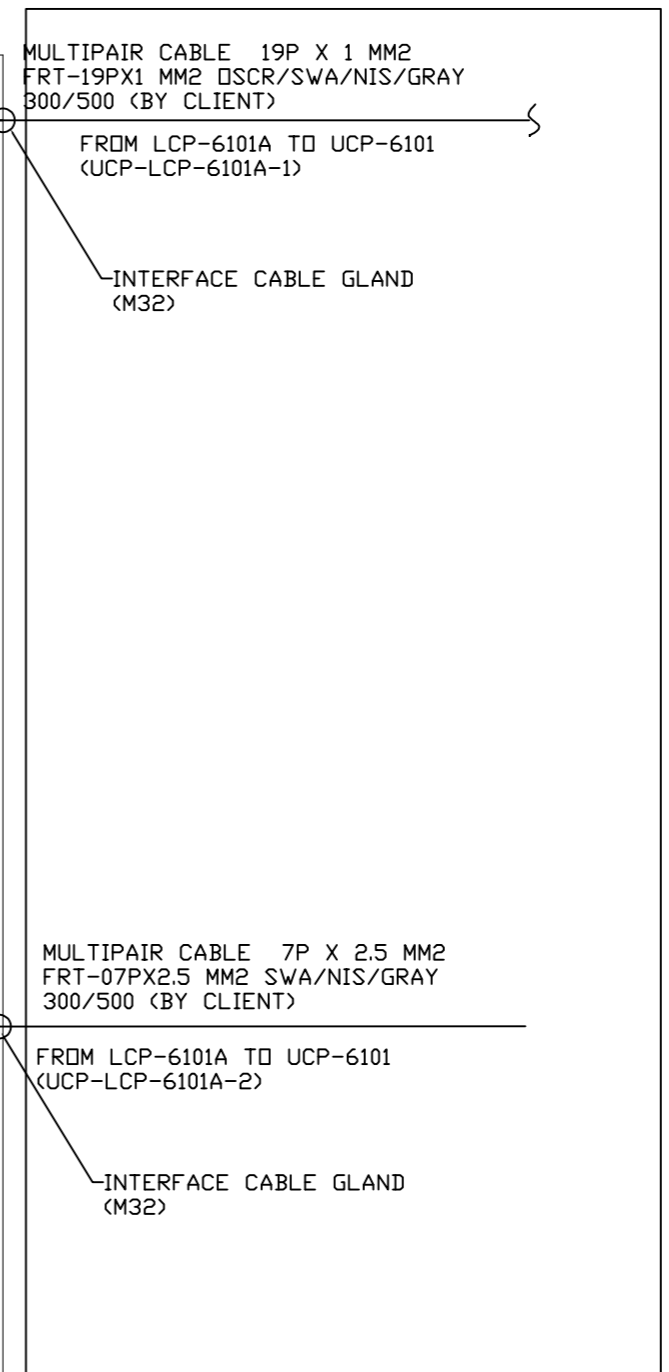
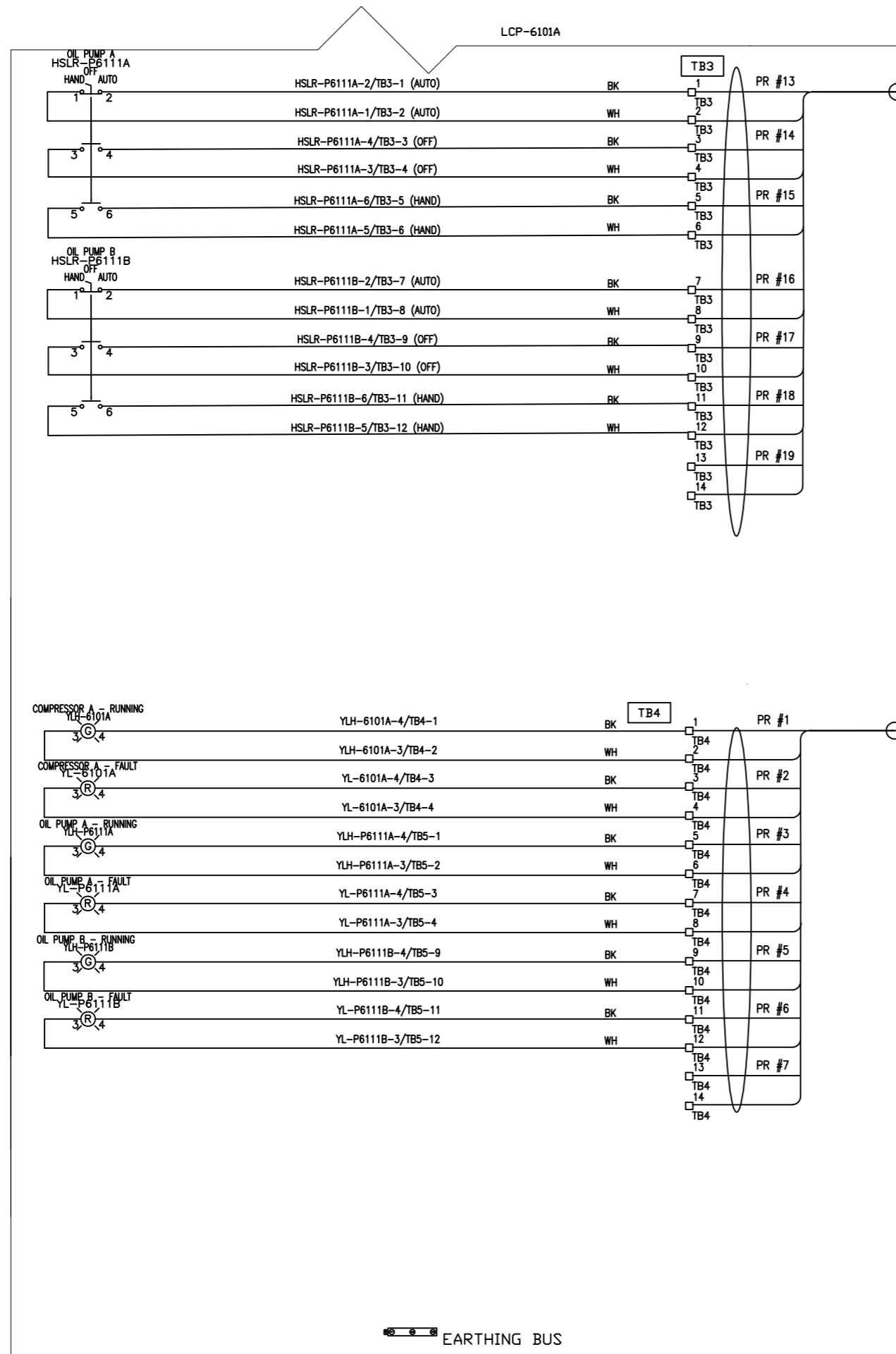
LCP-6101A



- 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. THERMOPL 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(α) RATED.
 - LOCAL PANEL IS EX(α), IIB, T3, IP65 RATED AND MATERIAL IS SS 316 OR ALUMINUM.
 - MULTI-CORE PAIR CABLE GANDS BY OTHERS.
 - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM.
 - ENCLOSURE THICKNESS: 1.5 MM.

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|--|---|----|----|----|----|
| Code: | <input type="checkbox"/> No Comment/ Approved (Applicable Only for TOR REVIEW and Tor Approval Documents) No comment and the document are released for manufacturing. | | | | |
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| DATE: _____ DEPT: _____ Signature: _____ | | | | | |
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| BT | BU | PR | SA | SV | TL |

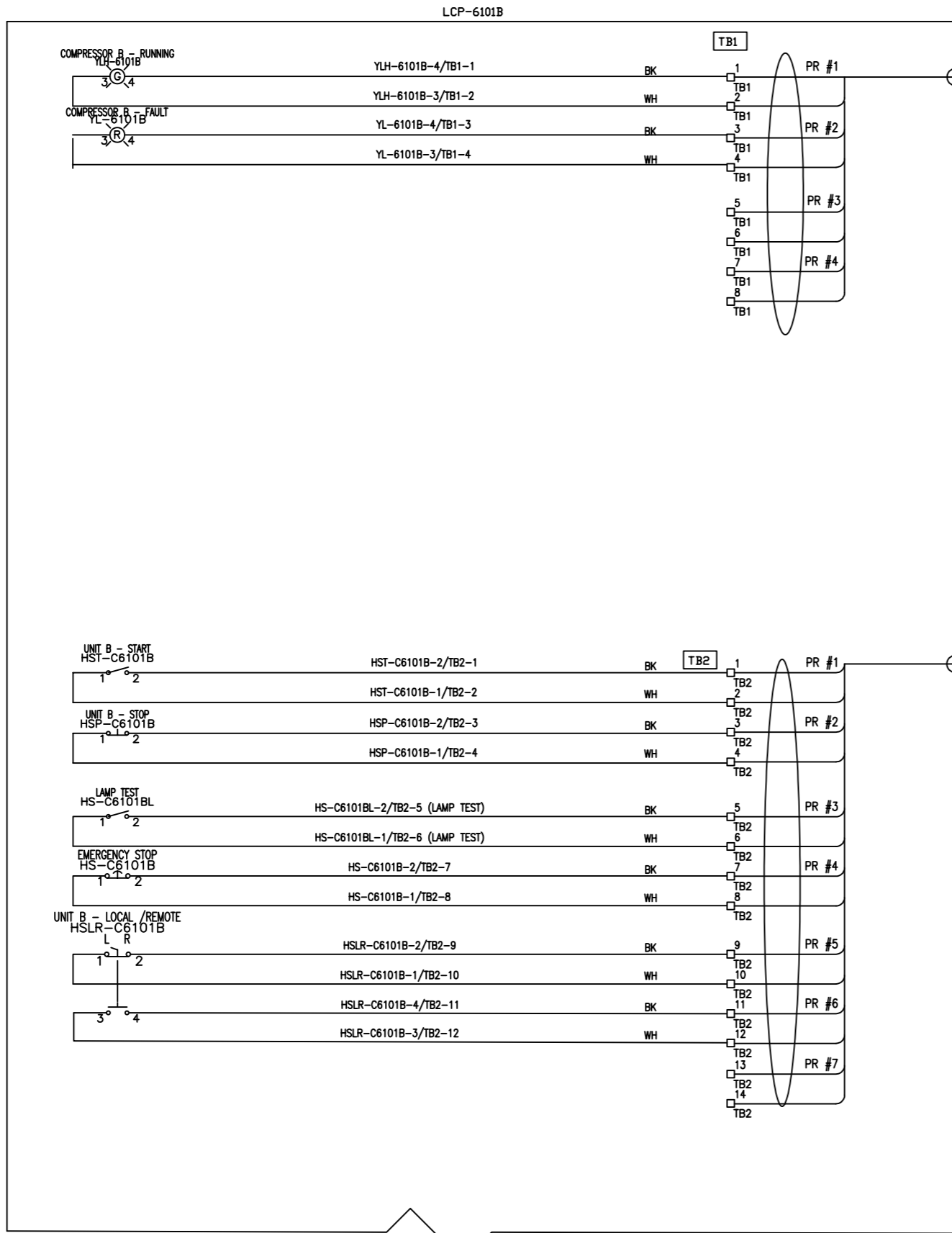
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| 00 | 12.Jan.26 | IFR | R.G | F.T | AJM |
| REV. | DATE (DD.MM.YY) | Purpose of Issue | Prepared | Checked | Approved |
| | | Gachsan Polymer Industries Company HDPE Plant | | | |
| PO No.: GPIC-PT-MA-PO-000-3029 | | | | | SCALE: 1:1 |
| DRAWING TITLE: LCP and Junction Box Layout, Arrangement and Wiring Drawing | | | | | |
| DRAWING NO. VD-GPIC-MA-3029-3029-0046 | | | | REV. SHEET NO. SIZE 02 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, GREEN OR W/YELLOW TRACER; NEUTRAL: WHITE; GROUND: GREEN.
 - 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.
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 - ENCLOSURE THICKNESS: 1.5 MM.

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| SIGNATURE: _____ | | | | | |
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| BT | BU | PR | SA | SV | TL |

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| | | Gachsan 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 02 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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 - 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.
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 - ENCLOSURE THICKNESS: 1.5 MM.

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| 01 | 14.Feb.26 | IFR | R.G | F.T | AJM |
| 00 | 12.Jan.26 | IFR | R.G | F.T | AJM |

| REV. | DATE | Purpose of Issue | Prepared | Checked | Approved |
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Gachsan 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

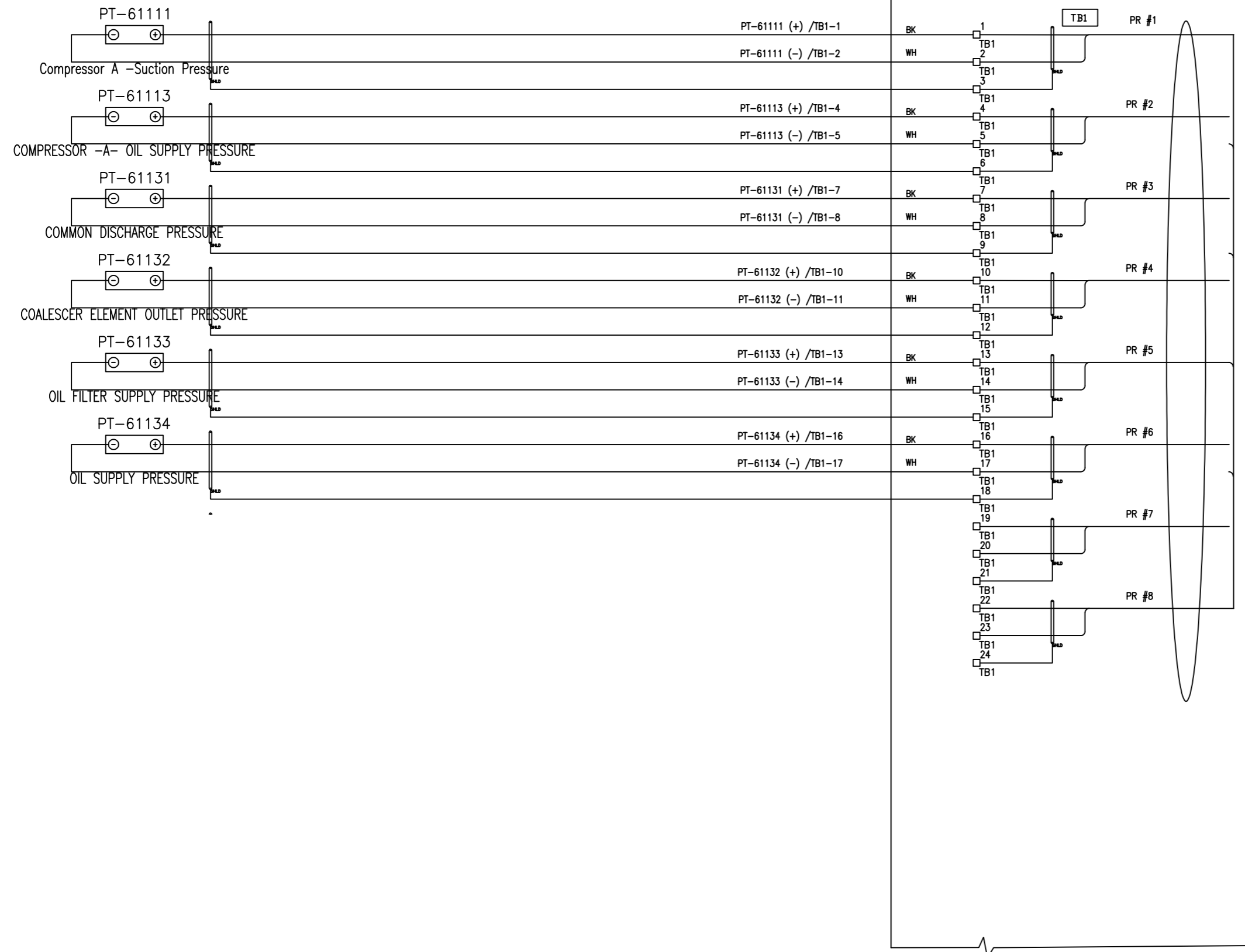
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| DRAWING NO. | REV. | SHEET NO. | SIZE |
| VD-GPIC-MA-3029-3029-0046 | 02 | 5 OF 14 | A3 |

NOTE

JUNCTION BOX SPECIFICATION:

- EX PROTECTION : IP 2G Ex e IB T3
- INGRESS PROTECTION : IP65
- AMBIENT TEMP. CONDITION : -20 ... +55 °C
- ENCLOSURE MATERIAL : STAINLESS STEEL 316
- TB Type : 2.5mm2/BLOCK
- 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

JB-UTA-611



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|---------------------------------|---|----|----|----|----|
| 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 noted under the status of "to be noted later". 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 generally/ 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 the Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same within 10 working days after receiving comments. | | | | |
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| DATE : DEPT : Signature : | | | | | |
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| BT | BU | PR | SA | HW | TL |

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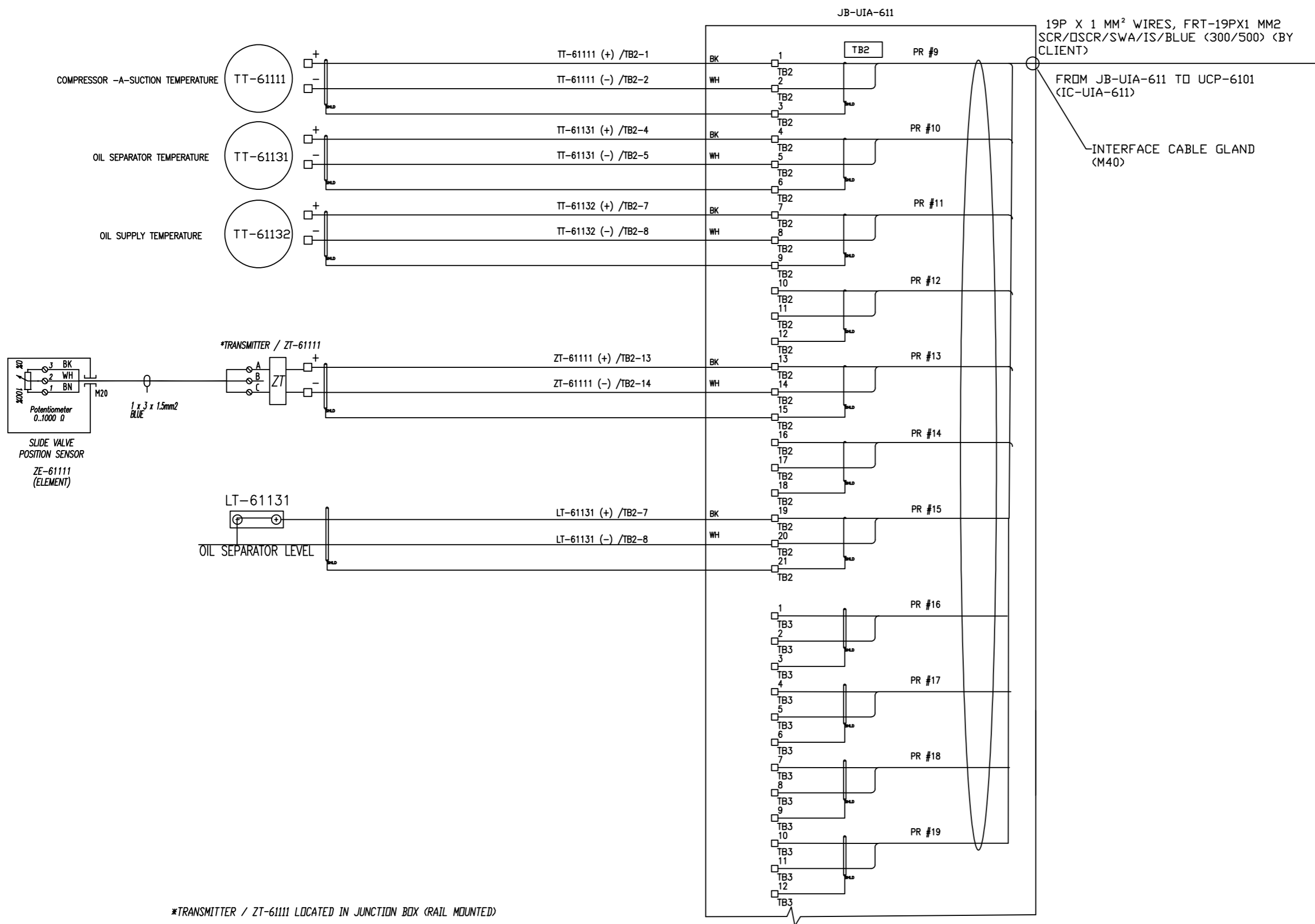
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Gachsan Polymer Industries Company
HDPE Plant

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

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

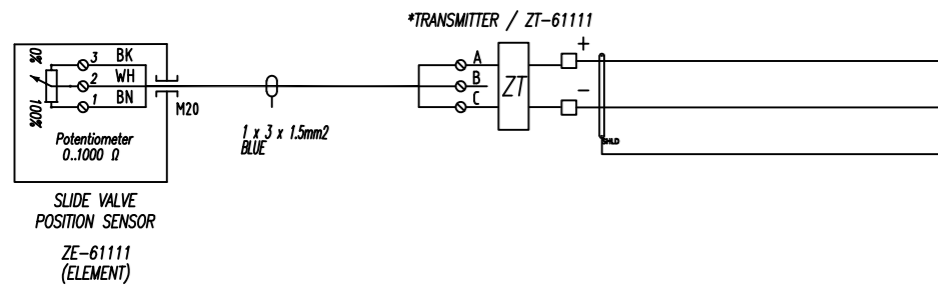
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| DRAWING NO. | REV. | SHEET NO. | SIZE |
| VD-GPIC-MA-3029-3029-0046 | 02 | 6 OF 14 | A3 |



NOTE

JUNCTION BOX SPECIFICATION:

- EX PROTECTION : IP 26 Ex e IB 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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EIED

DATE: _____
 DESIGNED BY: _____
 SIGNATURE: _____

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| BT | BU | PR | SA | SV | TL |

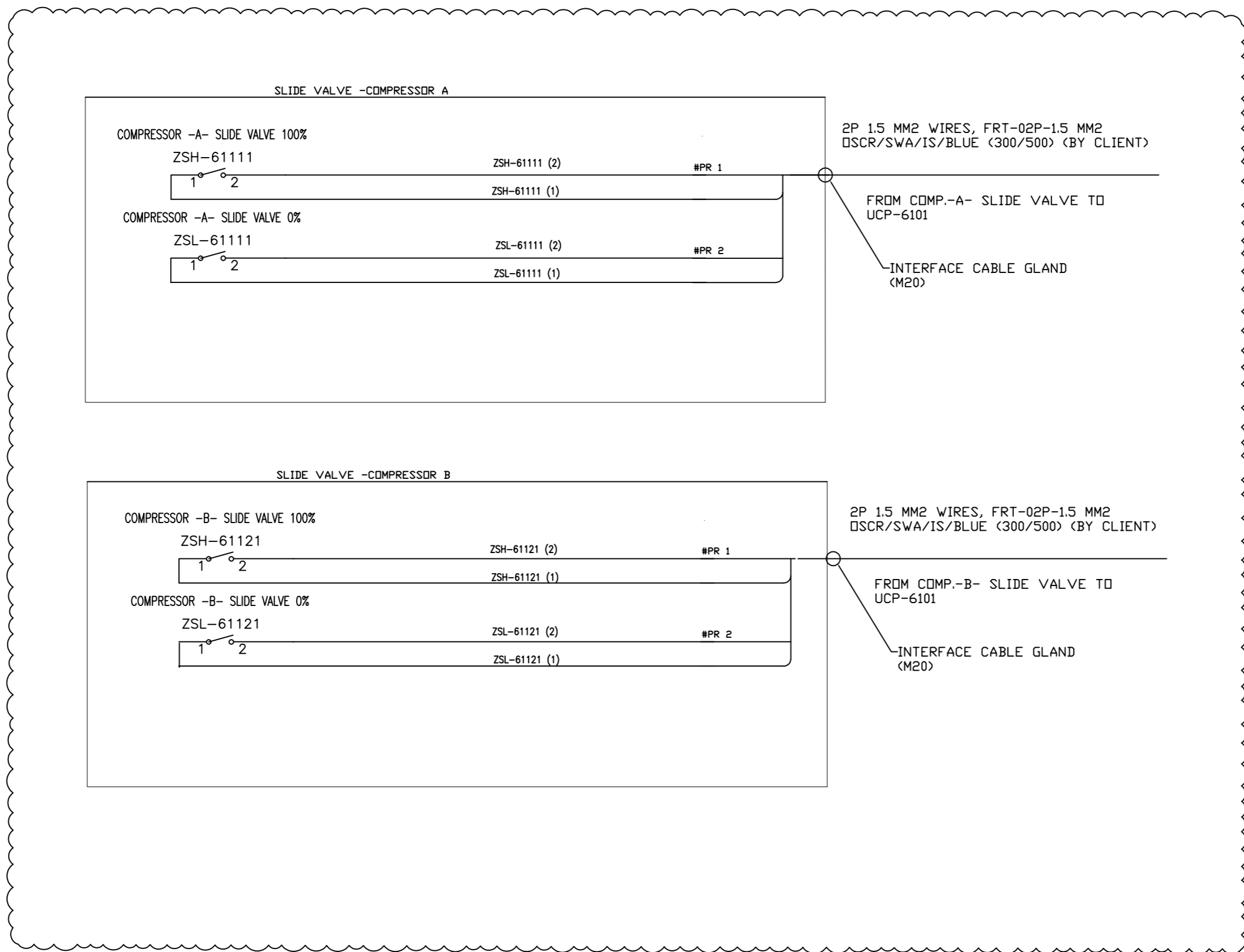
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Gachsaran Polymer Industries Company
HDPE Plant

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

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

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| DRAWING NO. | REV. | SHEET NO. | SIZE |
| VD-GPIC-MA-3029-3029-0046 | 02 | 7 OF 14 | A3 |



NOTE

JUNCTION BOX SPECIFICATION:

EX PROTECTION : II 2G Ex e IB 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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EIED

DATE :
DEPT :
Signature :

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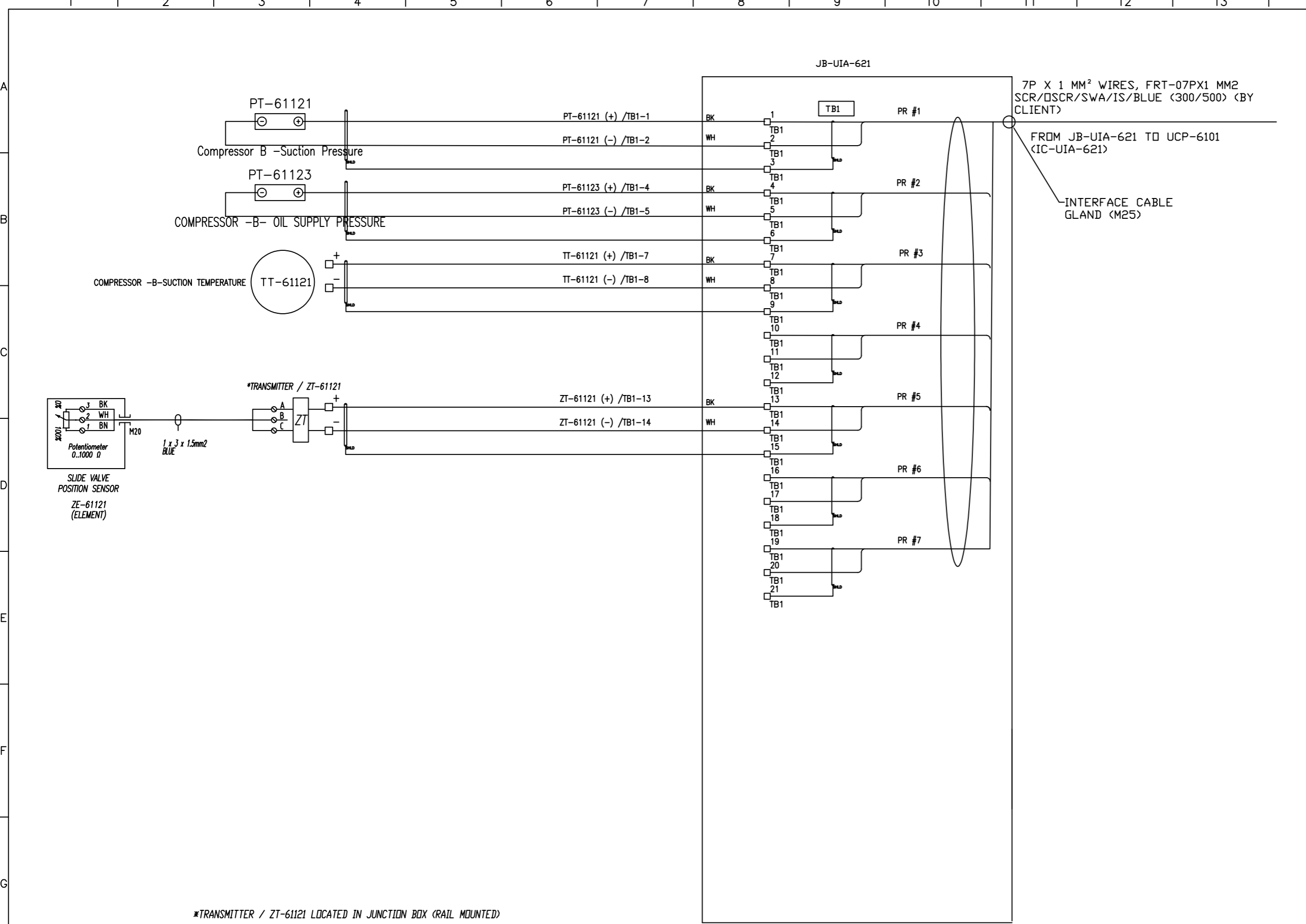
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Gachsan Polymer Industries Company
HDPE Plant

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 02 8 OF 14 A3



NOTE

JUNCTION BOX SPECIFICATION:

- EX PROTECTION : IP 26 Ex e IB 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-61121 LOCATED IN JUNCTION BOX (RAIL MOUNTED)

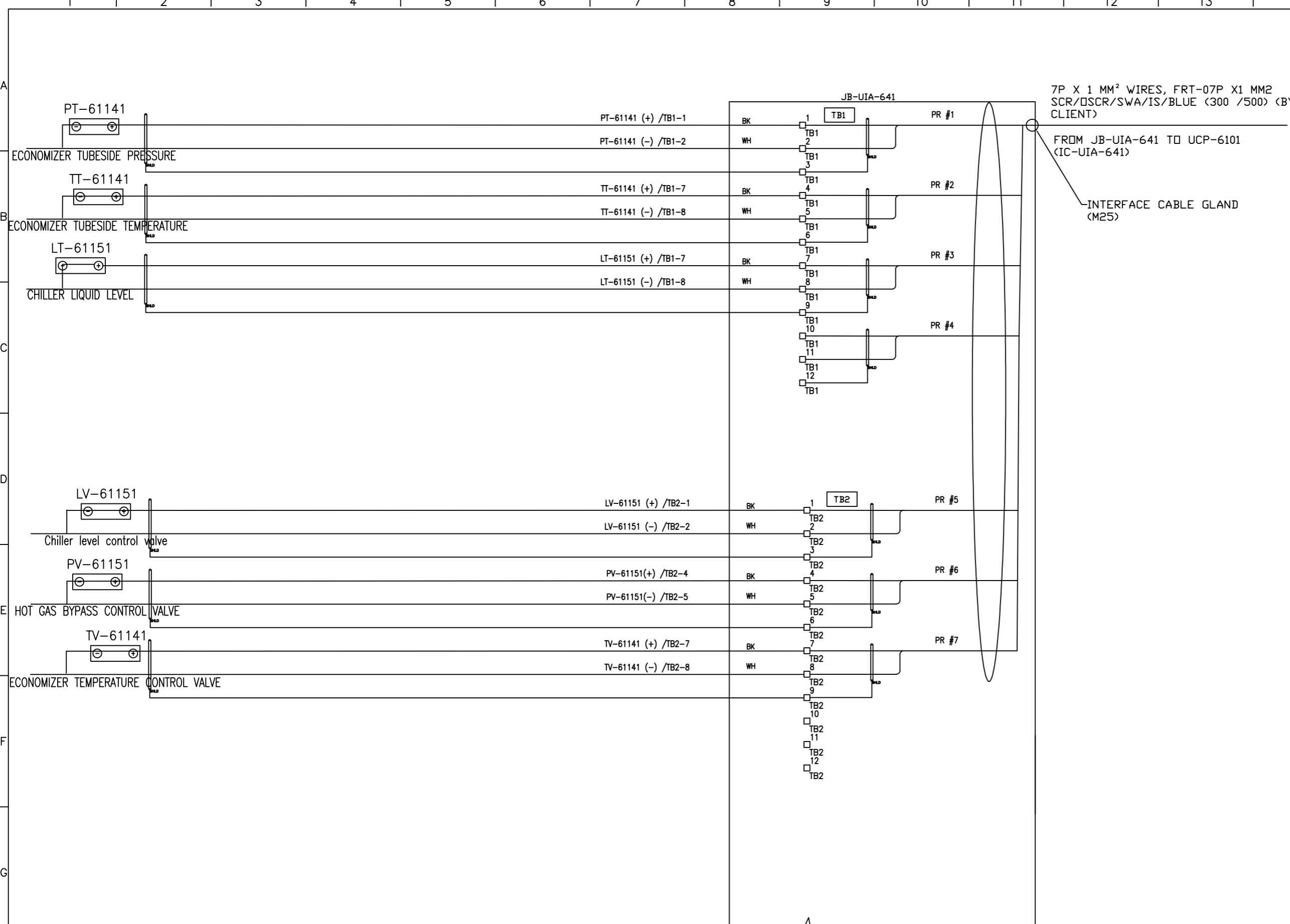
| | |
|----------|---|
| Code: | <input type="checkbox"/> No Comment/Approved (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for manufacturing. |
| Code: | <input type="checkbox"/> No Comment/Approved with Hold(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change incorporated. |
| Code: | <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 reworked". All corrected documents shall be resubmitted before starting the manufacturing process. |
| Code: | <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/remarks 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 reaching Order/Order or its Order from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same within 10 working days after receiving comments. |
| No Code: | <input type="checkbox"/> No Code (Only for "For Information" Documents and "As Built Status") Document has been submitted for PURCHASER's information. (No Comments, amendments and corrections of document content is in 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 technical agreement in writing.

DATE: _____
EIED
Signature: _____

| | | | | | |
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| CV | PI | EL | IN | ME | MA |
| BT | BU | PR | SA | HV | TL |

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|--|-----------------|--|----------|--------------------------------------|------------|
| 02 | 06.Apr.26 | IFR | R.G | F.T | AJM |
| 01 | 14.Feb.26 | IFR | R.G | F.T | AJM |
| 00 | 12.Jan.26 | IFA | R.G | F.T | AJM |
| REV. | DATE (DD.MM.YY) | Purpose of Issue | Prepared | Checked | Approved |
| | | Gachsan 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 02 9 OF 14 A3 | |



NOTE

JUNCTION BOX SPECIFICATION:

- EX PROTECTION : I 2G Ex e IB 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

| | |
|---------|--|
| Code | <input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document are released for manufacturing. |
| Code | <input type="checkbox"/> No Comment/ Approved with Hold(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if changes incorporated. |
| Code | <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 held back". All corrected documents shall be resubmitted before starting the manufacturing process. |
| Code | <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/remarks 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 reaching Order/Order or No Order from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same within 8 working days after receiving comments. |
| No Code | <input type="checkbox"/> No Code (Only for "For Information" documents and "No Bill Entry" documents but has been submitted for PURCHASER's release. PO, Contingency, completion and correction 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 technical agreement in writing.

EIED

DATE :
SIGNED :
Signature :

| | | | | | |
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| CV | PI | EL | IN | ME | MA |
| BT | BU | PR | SA | HY | TL |

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| 02 | 06.Apr.26 | IFR | R.G | F.T | AJM |
| 01 | 14.Feb.26 | IFR | R.G | F.T | AJM |
| 00 | 12.Jan.26 | IFR | R.G | F.T | AJM |

| REV. | DATE | Purpose of Issue | Prepared | Checked | Approved |
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| | | |
| Gachsan Polymer Industries Company | | HDPE Plant |

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

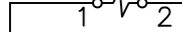
DRAWING TITLE:
LCP and Junction Box Layout, Arrangement and Wiring Drawing

| DRAWING NO. | REV. | SHEET NO. | SIZE |
|---------------------------|------|-----------|------|
| VD-GPIC-MA-3029-3029-0046 | 02 | 10 OF 14 | A3 |

JB-UEV-612

SLIDE VALVE SOV
UNLOAD
XY-61111

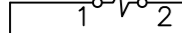
XY-61111/TB1-1



XY-61111/TB1-2

SLIDE VALVE SOV
LOAD
XY-61112

XY-61112/TB1-3



XY-61112/TB1-4

TB1

BK 1 PR #1

WH 2 TB1

BK 3 PR #2

WH 4 TB1

5 PR #3

TB1

6 TB1

7 PR #4

TB1

8 TB1

4P X 2.5 MM² WIRES, FRT-04PX2.5 MM²
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 IB 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, make and resubmit the document. The document is released for Manufacturing if change incorporated. | | | | |
| Code3 | <input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, make and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process. | | | | |
| Code4 | <input type="checkbox"/> Not Assembled (Rejected) Vendor/Sub-Contractor shall re-work/Re-Analyze/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 Order/Check or No Order from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within a working days after receiving comments. | | | | |
| No Code | <input type="checkbox"/> No Code (Only for "For Information" Documents and "As Built Draw") Document has been submitted for PURCHASER's Information (PI). Considering completeness and correctness of document content is in Vendor/Sub-Contractor's responsibility. The above checking result by ESD shall in no way release Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing. | | | | |
| DATE : DEPT : Signature : | | | | | |
| CV | PR | EL | IN | ME | MA |
| BT | BU | PR | SA | KV | TL |

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|----|-----------|-----|-----|-----|-----|
| 02 | 06.Apr.26 | IFR | R.G | F.T | A.M |
| 01 | 14.Feb.26 | IFR | R.G | F.T | A.M |
| 00 | 12.Jan.26 | IFA | R.G | F.T | A.M |

| REV. | DATE (DD.MM.YY) | Purpose of Issue | Prepared | Checked | Approved |
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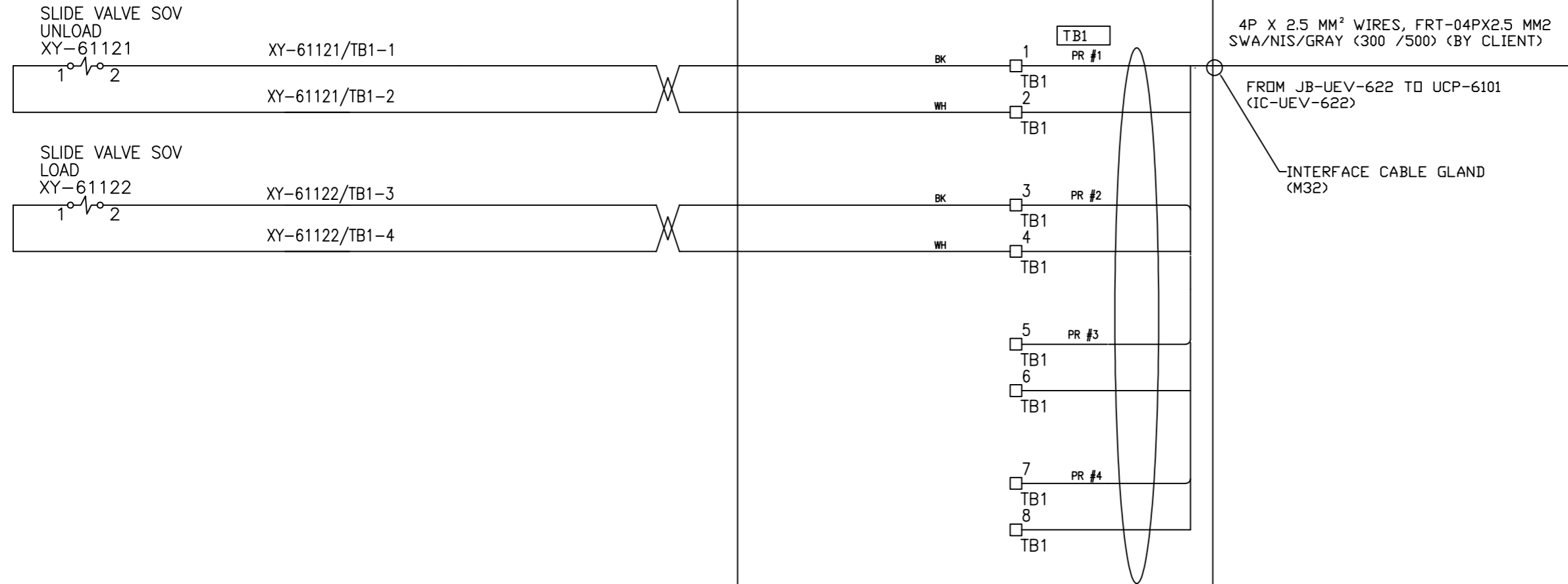
Gachsan Polymer Industries Company
HDPE Plant

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 02 11 OF 14 A3

JB-UEV-622



NOTE

JUNCTION BOX SPECIFICATION:

- EX PROTECTION : IP 26 Ex e IB 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

| | |
|---------|---|
| Code | <input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for manufacturing. |
| Code | <input type="checkbox"/> No Comment/ Approved with Hold(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change incorporated. |
| Code | <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 held back". All corrected documents shall be resubmitted before starting the manufacturing process. |
| Code | <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 reaching Order/Check or No Order from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same within within 8 working days after receiving comments. |
| No Code | <input type="checkbox"/> No Code (Only for "For Information" Documents and "No Bill Entry" Documents has been submitted by PURCHASER's intention. PO, Contingency, completion and correction 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.

EIED

DATE :
SIGNED :
Signature :

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

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|------|-----------------|------------------|----------|---------|----------|
| 02 | 06.Apr.26 | IFR | R.G | F.T | AJM |
| 01 | 14.Feb.26 | IFR | R.G | F.T | AJM |
| 00 | 12.Jan.26 | IFR | R.G | F.T | AJM |
| REV. | DATE (DD.MM.YY) | 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

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|--|---------------------------------------|
| DRAWING NO. VD-GPIC-MA-3029-3029-0046 | REV. SHEET NO. SIZE 02 12 OF 14 A3 |
|--|---------------------------------------|

JB-UEV-652

OIL RECOVERY VALVE SOV
COMPRESSOR DISCHARGE
XY-61151

XY-61151/TB1-1

1 2
XY-61151/TB1-2

XY-61151/TB1-2

OIL RECOVERY VALVE SOV
CHILLER RECOVERY
XY-61152

XY-61152/TB1-3

1 2
XY-61152/TB1-4

XY-61152/TB1-4

TB1

BK 1 PR #1

WH 2 TB1

WH 2 TB1

BK 3 PR #2

WH 4 TB1

WH 4 TB1

5 PR #3

TB1

6 TB1

TB1

7 PR #4

TB1

8 TB1

TB1

4P X 2.5 MM² 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 : IP 26 Ex e IB 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

| | | | | | |
|-------------------------------------|--|----|----|----|----|
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| Code: | <input type="checkbox"/> No Comment/ Approved with Hold(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for manufacturing if change incorporated. | | | | |
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| No Code: | <input type="checkbox"/> No Code (Only for "For Information" Documents and "As Built Status") Document has been submitted by PURCHASER's intention (PO, Completion, completion and correction of document, contact is in 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 technical agreement in writing. | | | | |
| DATE : DESIGNED : SIGNATURE : | | | | | |
| CV | PI | EL | IN | ME | MA |
| BT | BU | PR | SA | HY | TL |

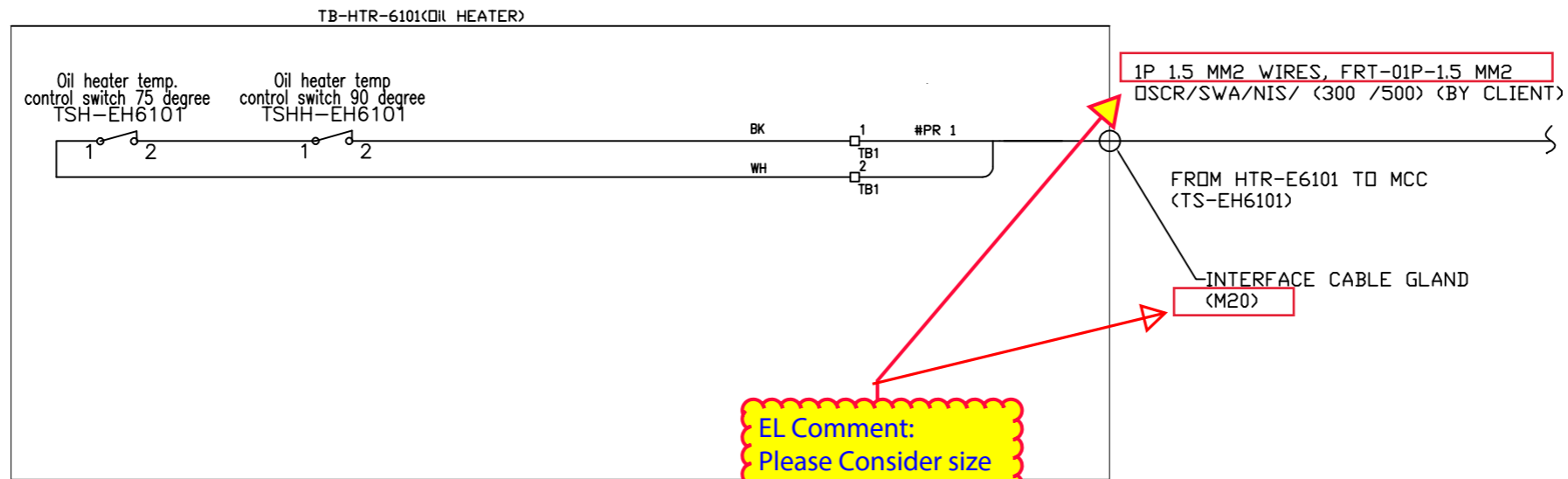
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| 02 | 06.Apr.26 | IFR | R.G | F.T | AJM |
| 01 | 14.Feb.26 | IFR | R.G | F.T | AJM |
| 00 | 12.Jan.26 | IFR | R.G | F.T | AJM |
| REV. | DATE (DD.MM.YY) | Purpose of Issue | Prepared | Checked | Approved |



Gachsan 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 | 02 | 13 OF 14 | A3 |



EL Comment:
Please Consider size 4 for this cable & Please consider M25 for gland on equipment
Vendor Reply:
Following to our meeting, M20 confirmed by Client.

NOTE

| | |
|----------|---|
| Code: | <input type="checkbox"/> No Comment/ Approved (Applicable Only for TOR REVIEW and Tor Approval Documents) No comment and the document are released for manufacturing. |
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EIED

DATE: _____
SIGNATURE: _____

| | | | | | |
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| CV | PI | EL | IN | ME | MA |
| BT | BU | PR | SA | HY | TL |

| | | | | | |
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| | | Gachsan Polymer Industries Company HDPE Plant | |
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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 02 14 OF 14 A3 |
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