

REFERENCE DRAWING	DWG NO.	REV.

LEGENDS :

- NOTES :
- 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 NEUTRAL GROUND BLACK WHITE GREEN OR GREEN W/YELLOW TRACER
DC SUPPLY POSITIVE RED OR RED SLEEVE OVER ANY COLOR EXCEPT GREEN
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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(d) RATED
 - LOCAL PANEL IS EX(e) RATED AND MATERIAL IS SS 316
 - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM

KEY PLAN :

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	

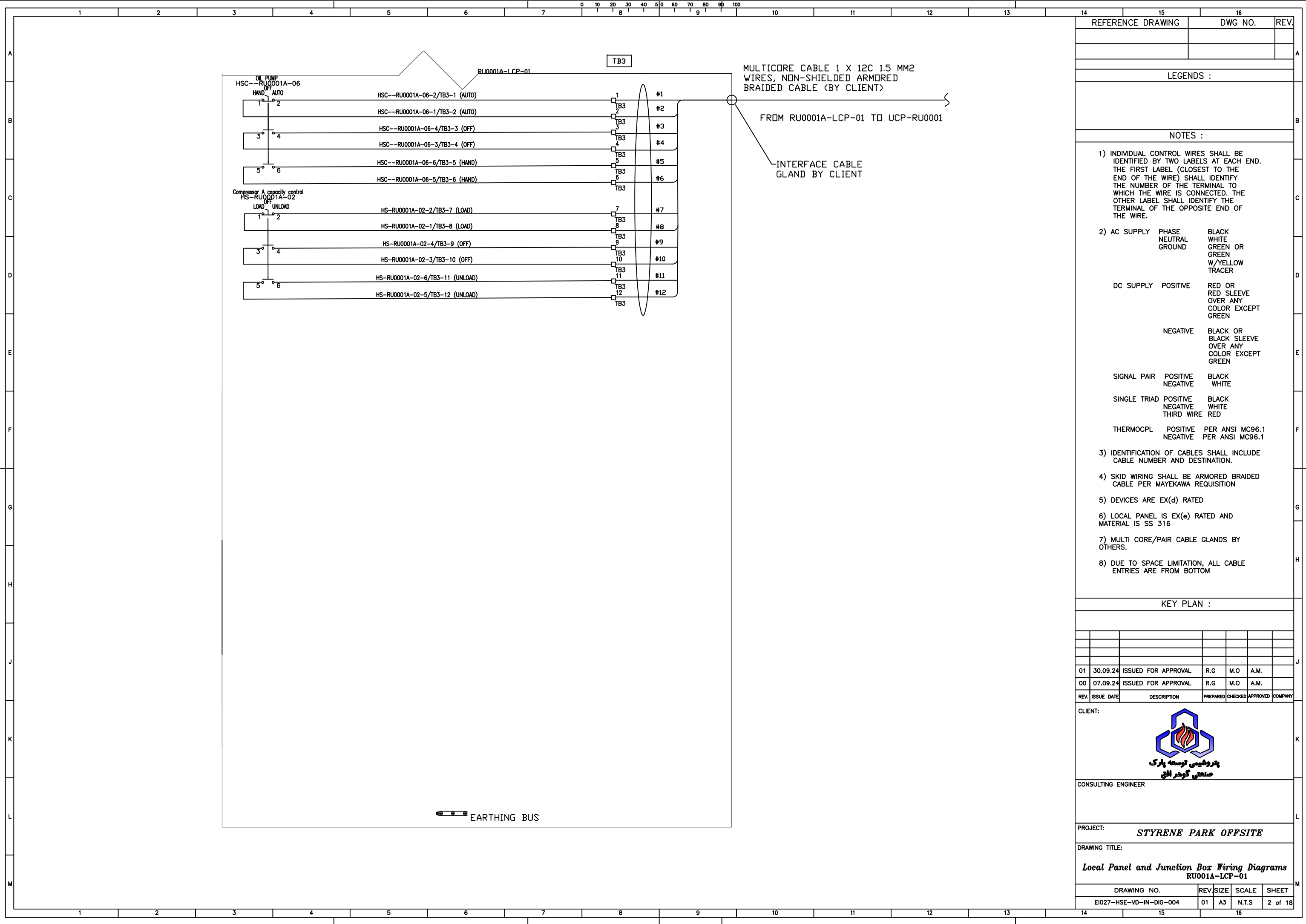


CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**


DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams RU0001A-LCP-01**

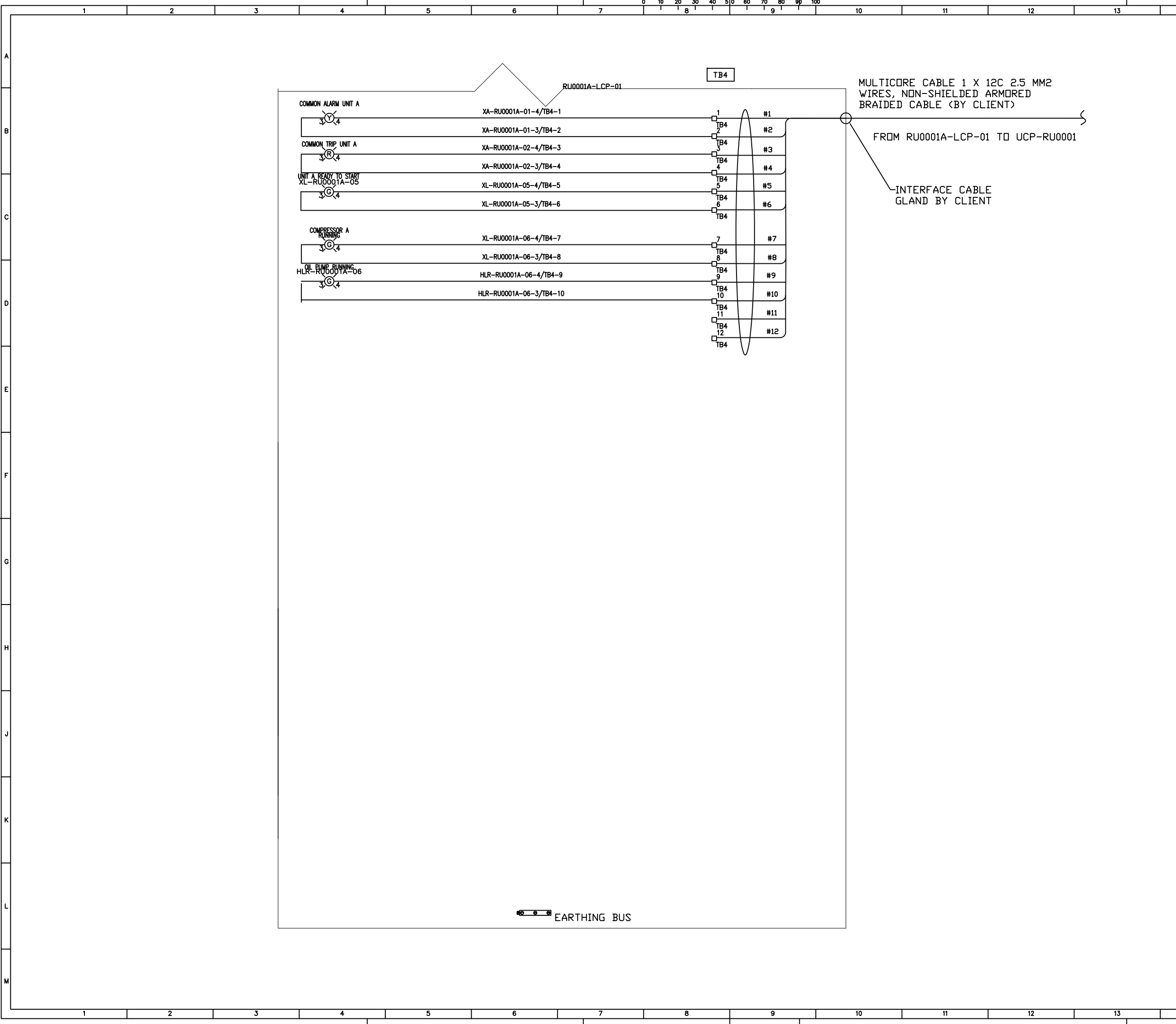
DRAWING NO.	REV.	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3 N.T.S	1 of 18




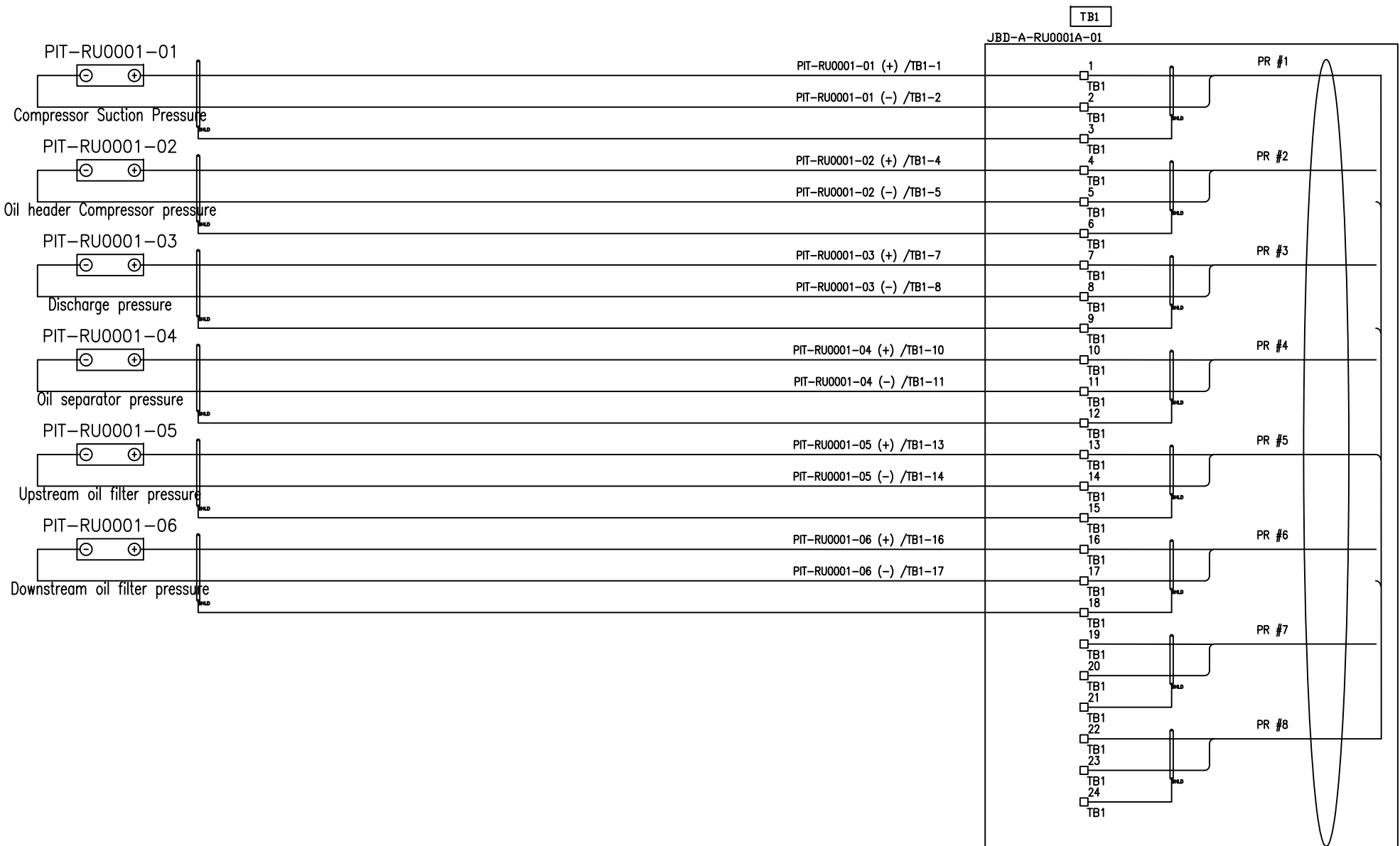
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 <p>پارس پتروشیمی توسعه پارک صنعتی گوهر ابق</p>						
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DRAWING NO.		REV.	SIZE	SCALE	SHEET	
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JUNCTION BOX SPECIFICATION:

- EX PROTECTION : II 2G Ex e IIB T3
- INGRESS PROTECTION : IP65
- AMBIENT TEMP. CONDITION : -20 ... +55 °C
- ENCLOSURE MATERIAL : STAINLESS STEEL 316
- TB Type/Qty : UT2.5 BU (2.5mm²/BLUE) / 45 pcs
- 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


REFERENCE DRAWING	DWG NO.	REV.

- LEGENDS :**
- NOTES :**
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CLIENT:



CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams**
JBD-A-RU0001A-01

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	4 of 18

TB1 JBD-D-RU0001A-02

MULTICORE CABLE 1 X 12C 2.5 MM2
WIRES, NON-SHIELDED ARMORED
BRAIDED CABLE (BY CLIENT)

FROM JBD-D-RU0001A-02 TO UCP-RU0001

INTERFACE CABLE
GLAND BY CLIENT

SLIDE VALVE
UNLOAD RETURN
SOV-RU0001A-01E SOV-RU0001A-01E-2/TB1-1

SOV-RU0001A-01E-1/TB1-2

SLIDE VALVE
LOAD SUPPLY
SOV-RU0001A-01C SOV-RU0001A-01C-2/TB1-3

SOV-RU0001A-01C-1/TB1-4

SLIDE VALVE
UNLOAD SUPPLY
SOV-RU0001A-01A SOV-RU0001A-01A-1/TB1-5

SOV-RU0001A-01A-2/TB1-6

SLIDE VALVE
LOAD RETURN
SOV-RU0001A-01D SOV-RU0001A-01D-2/TB1-7

SOV-RU0001A-01D-1/TB1-8

OIL SEPARATOR LEVEL SWITCH

LS-RU0001A-01 LS-RU0001A-01-5/TB1-9

LS-RU0001A-01-4/TB1-10

+24 VDC LS-RU0001A-01-1/TB1-11

0 VDC LS-RU0001A-01-2/TB1-12

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/Qty : UT2.5 BU (2.5mm2/GREY) / 16 pcs

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

1 #1

2 #2

3 #3

4 #4

5 #5

6 #6

7 #7

8 #8

9 #9

10 #10

11 #11

12 #12

13

TB1

14

TB1

15

TB1

16

TB1

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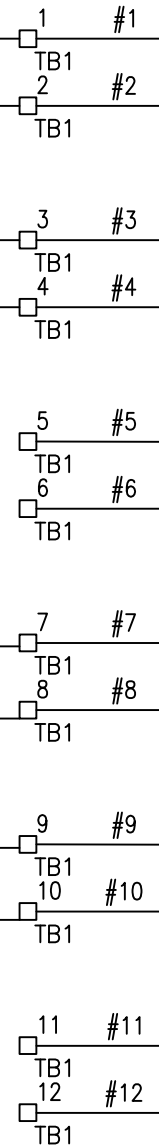
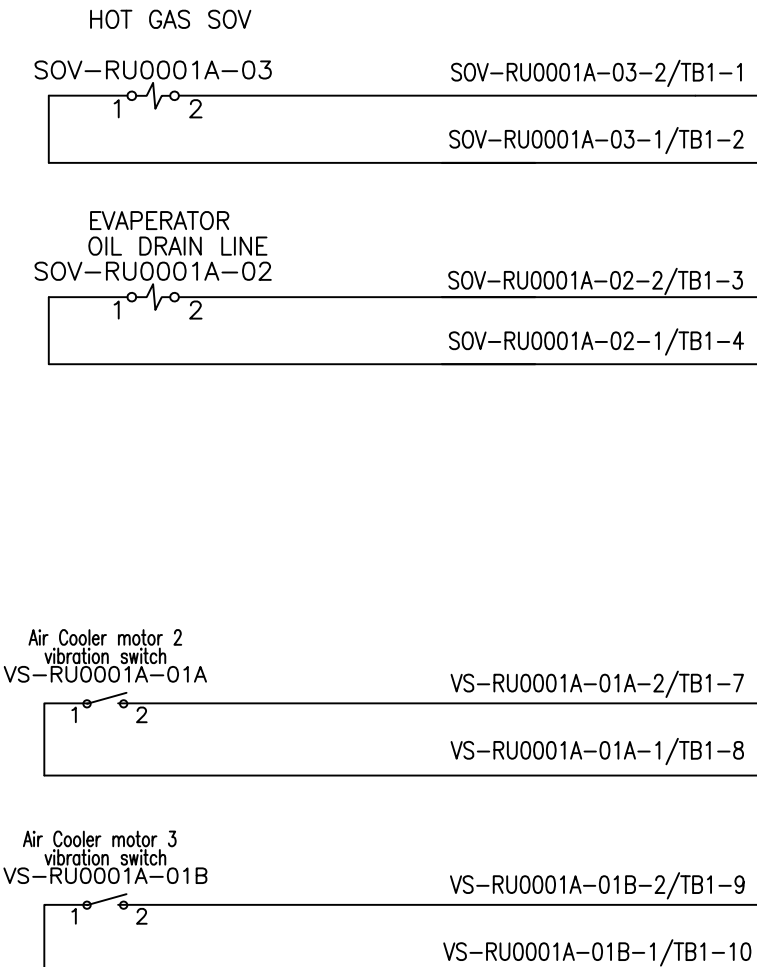
PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE:

Local Panel and Junction Box Wiring Diagrams
JBD-D-RU0001A-02

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	7 of 18

TB1 JBD-D-RU0001A-04



MULTICORE CABLE 1 X 12C 2.5 MM2 WIRES, NON-SHIELDED ARMORED BRAIDED CABLE (BY CLIENT)


FROM JBD-D-RU0001A-04 TO UCP-RU0001

INTERFACE CABLE GLAND BY CLIENT

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E027-HSE-VD-IN-DIG-004		01	A3	N.T.S	8 of 18	

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/Qty : UT2.5 BU (2.5mm2/GRAY) / 12 pcs

INTERNAL WIRING : 2.5mm2 Yellow/Green (PE)

OPERATING VOLTAGE : <= 30V

OPERATING CURRENT (TOTAL) : <= 6A

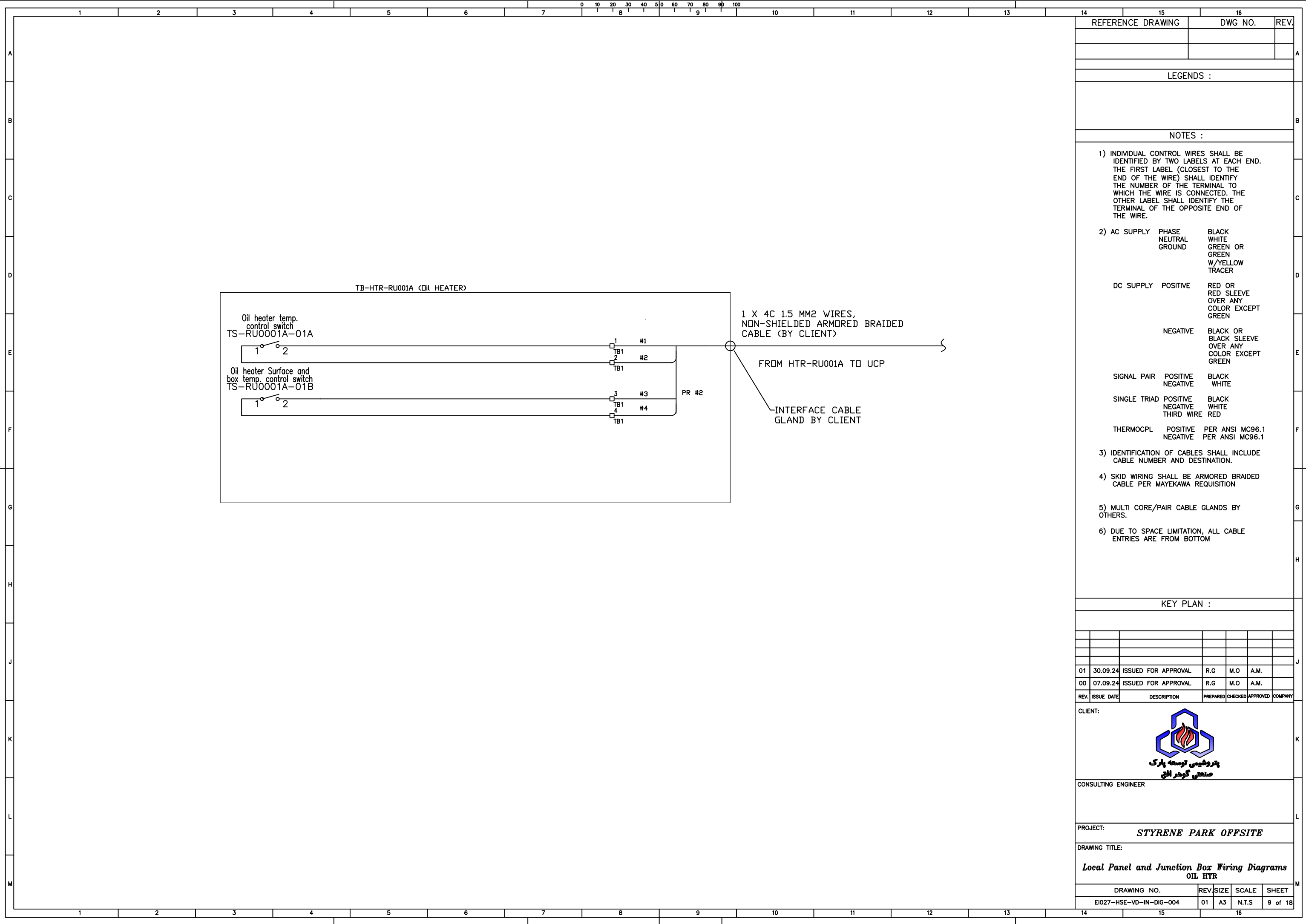
EXTERNAL CABLE SIZE : 1.5mm2 ... 2.5mm2


BREATHER/DRAIN : Stainless steel

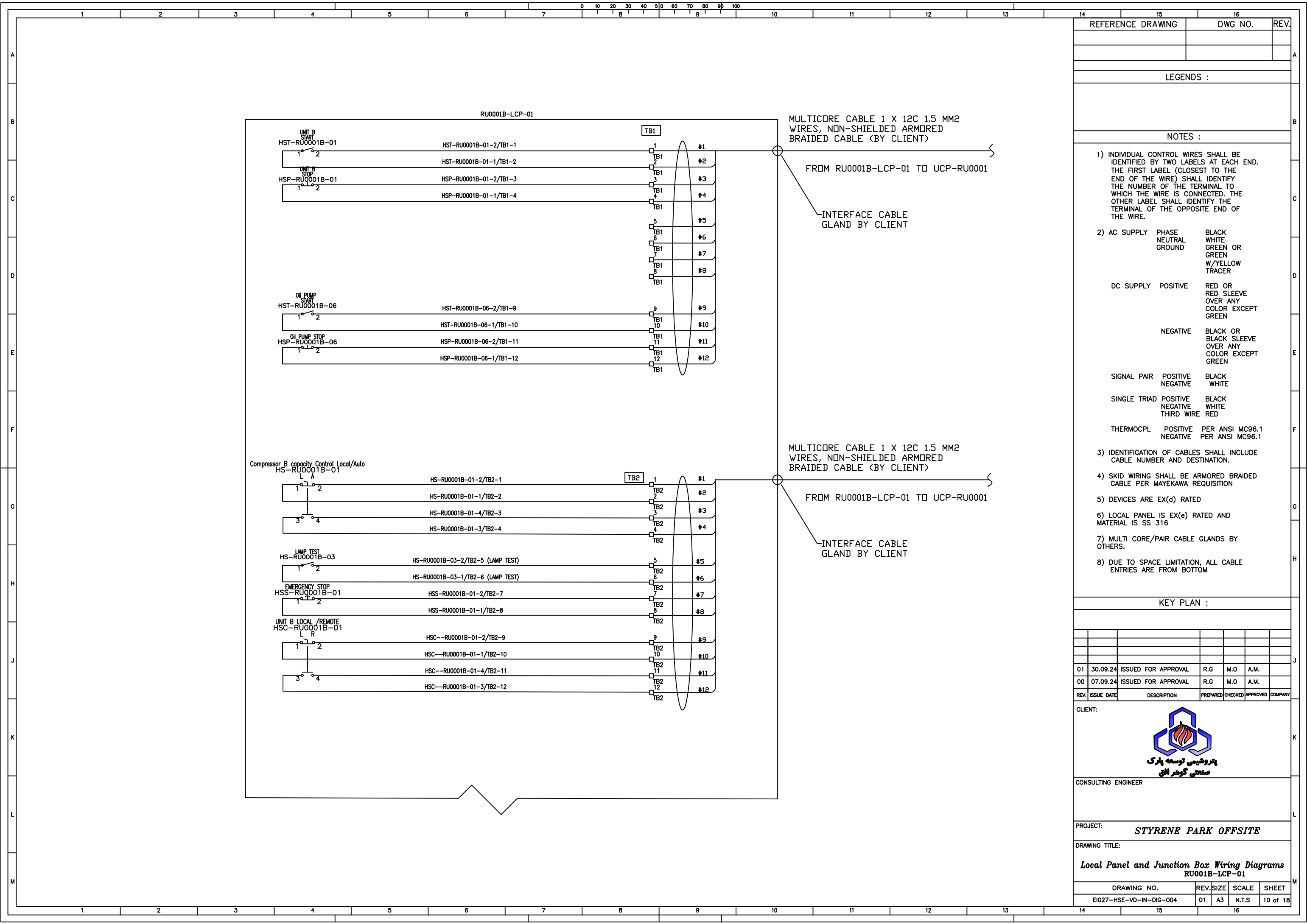
STOPPING PLUG : Nickel plated brass

CABLE GLAND : Nickel plated brass

EARTH BOLT : M8



14	15	16
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DRAWING TITLE: Local Panel and Junction Box Wiring Diagrams OIL HTR		
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 - DEVICES ARE EX(d) RATED
 - LOCAL PANEL IS EX(e) RATED AND MATERIAL IS SS 316
 - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM

KEY PLAN :

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	

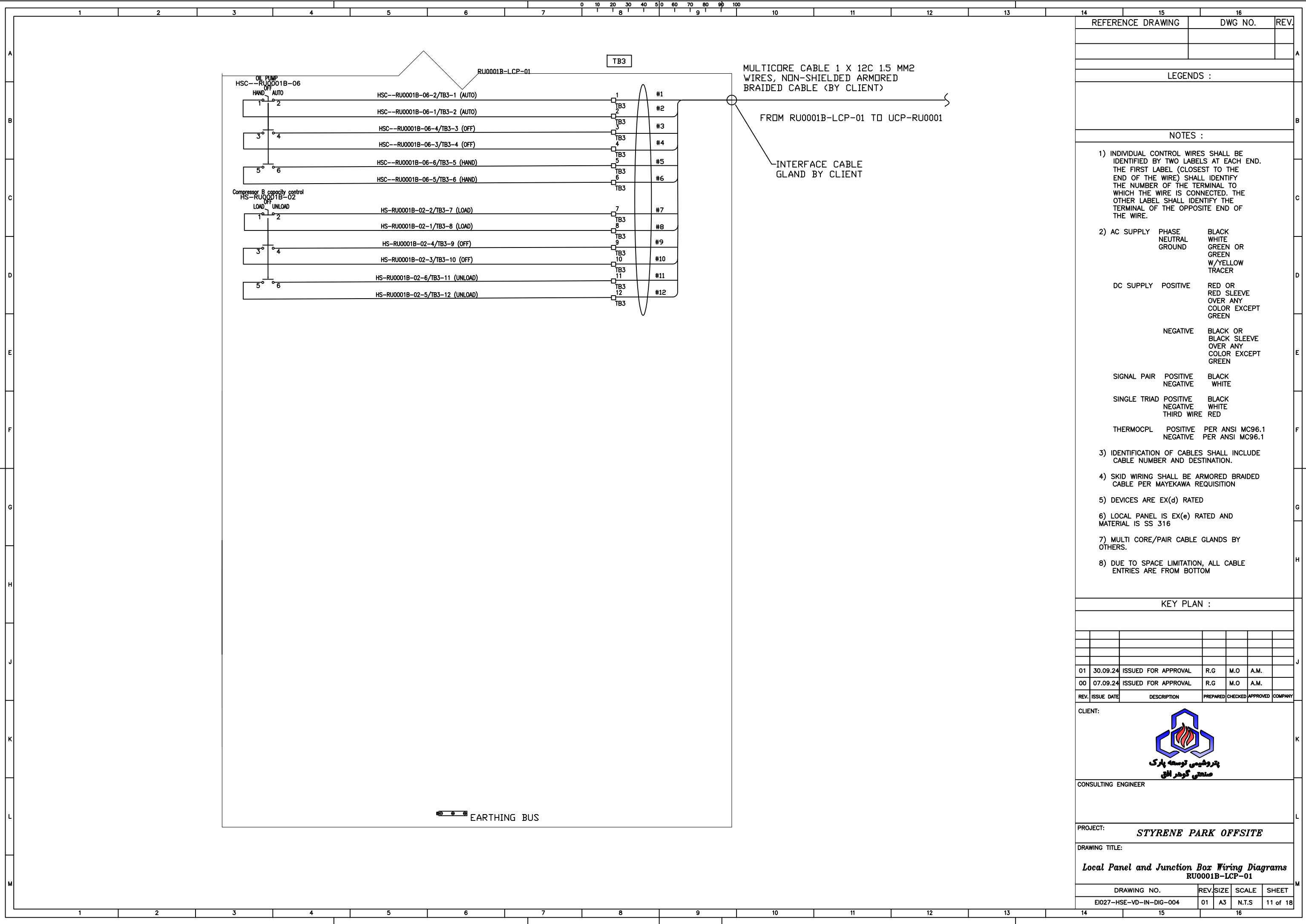


CONSULTING ENGINEER

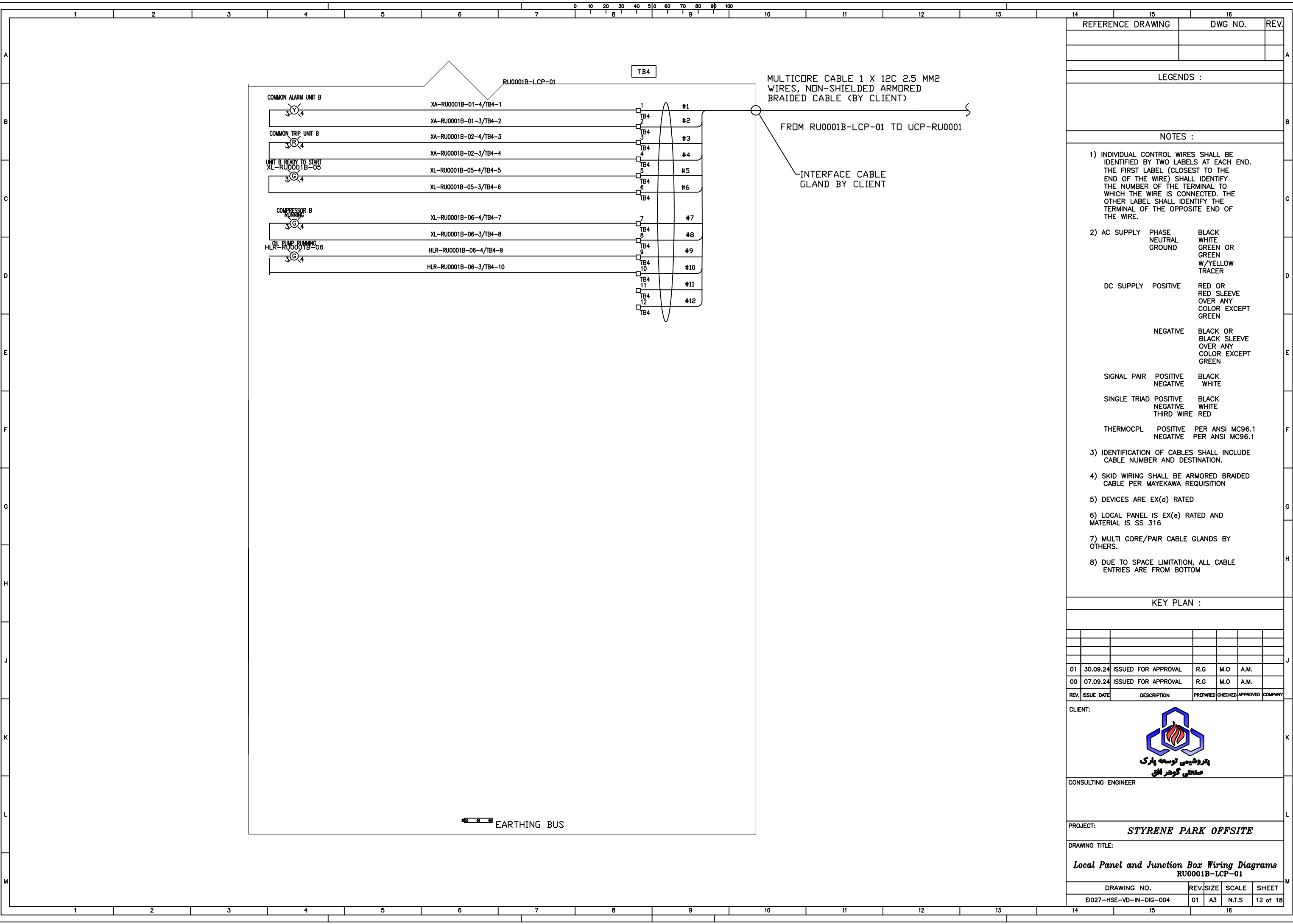
PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE:
**Local Panel and Junction Box Wiring Diagrams
RU0001B-LCP-01**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	10 of 18



REFERENCE DRAWING		DWG NO.		REV.		
LEGENDS :						
NOTES :						
1) 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.						
2) AC SUPPLY	PHASE	BLACK				
	NEUTRAL	WHITE				
	GROUND	GREEN OR 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				
3) IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.						
4) SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION						
5) DEVICES ARE EX(d) RATED						
6) LOCAL PANEL IS EX(e) RATED AND MATERIAL IS SS 316						
7) MULTI CORE/PAIR CABLE GLANDS BY OTHERS.						
8) DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM						
KEY PLAN :						
01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
CLIENT:						
CONSULTING ENGINEER						
PROJECT: STYRENE PARK OFFSITE						
DRAWING TITLE: Local Panel and Junction Box Wiring Diagrams RU0001B-LCP-01						
DRAWING NO.		REV.	SIZE	SCALE	SHEET	
E027-HSE-YD-IN-DIG-004		01	A3	N.T.S	11 of 18	



14	15	16
REFERENCE DRAWING	DWG NO.	REV.

LEGENDS :

- NOTES :
- 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
 NEUTRAL
 GROUND
 DC SUPPLY POSITIVE
 NEGATIVE
 SIGNAL PAIR POSITIVE
 NEGATIVE
 SINGLE TRIAD POSITIVE
 NEGATIVE
 THIRD WIRE
 THERMOCP L POSITIVE
 NEGATIVE
 - BLACK
 WHITE
 GREEN OR
 GREEN
 W/YELLOW
 TRACER
 RED OR
 RED SLEEVE
 OVER ANY
 COLOR EXCEPT
 GREEN
 BLACK OR
 BLACK SLEEVE
 OVER ANY
 COLOR EXCEPT
 GREEN
 BLACK
 WHITE
 PER ANSI MC96.1
 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) RATED AND MATERIAL IS SS 316
 - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM

KEY PLAN :

01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.

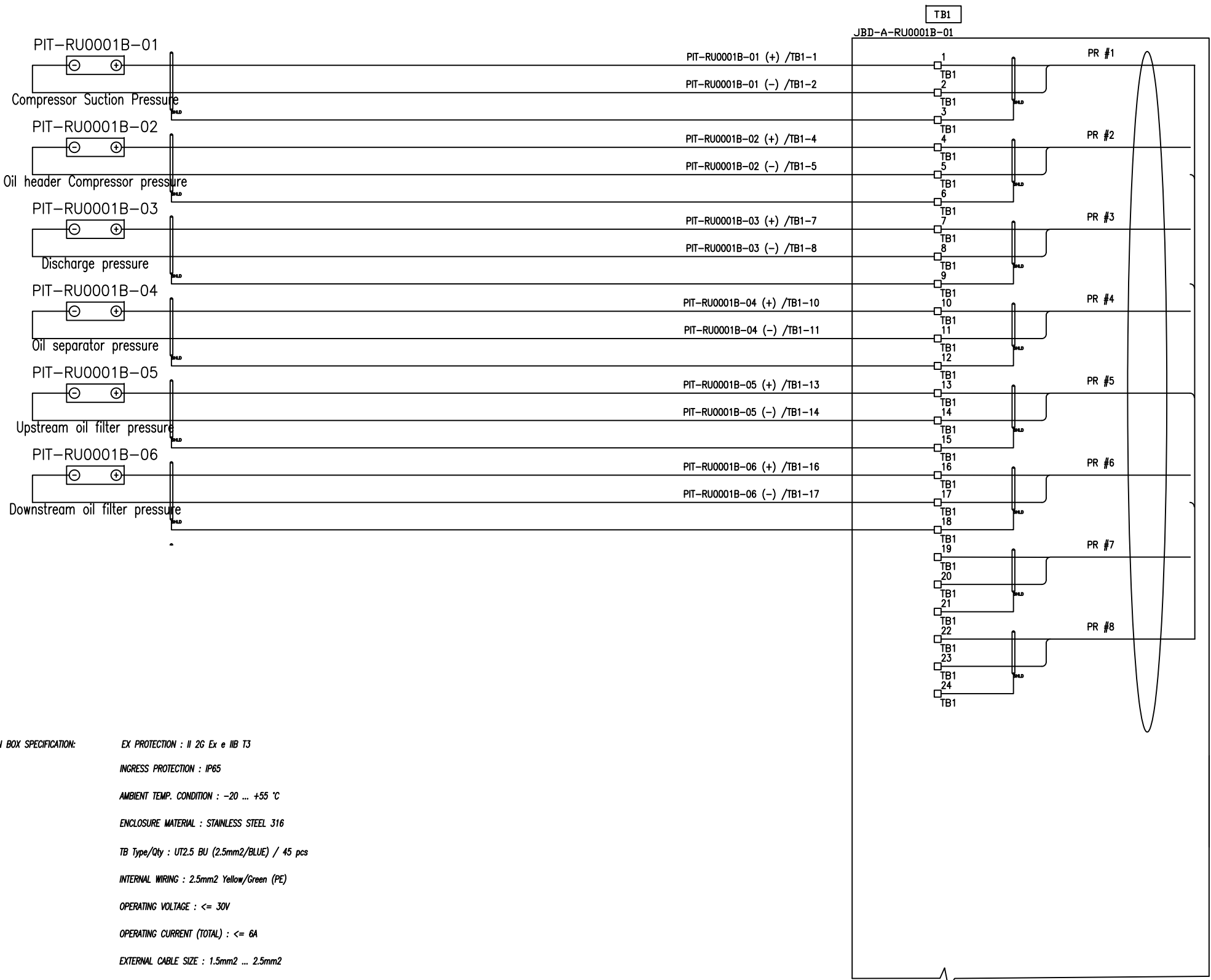
CLIENT:

CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE:
**Local Panel and Junction Box Wiring Diagrams
 RU0001B-LCP-01**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
E1027-HSE-VD-IN-DIG-004	01	A3	N.T.S	12 of 18



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/Qty : UT2.5 BU (2.5mm²/BLUE) / 45 pcs
- 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

15	16	REV.
REFERENCE DRAWING	DWG NO.	

- LEGENDS :**
- NOTES :**
- 1) 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.
 - 2) AC SUPPLY PHASE NEUTRAL GROUND BLACK WHITE GREEN OR GREEN 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 L POSITIVE PER ANSI MC96.1 NEGATIVE PER ANSI MC96.1
 - 3) IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
 - 4) SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION
 - 5) DEVICES ARE EX(i)a RATED
 - 6) JUNCTION BOX IS EX(e) RATED AND MATERIAL IS SS 316
 - 7) MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - 8) DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM
 - 9) SEPARATION PLATE BETWEEN ANALOG, DIGITAL & POWER CABLES IS REQUIRED.

KEY PLAN :

01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
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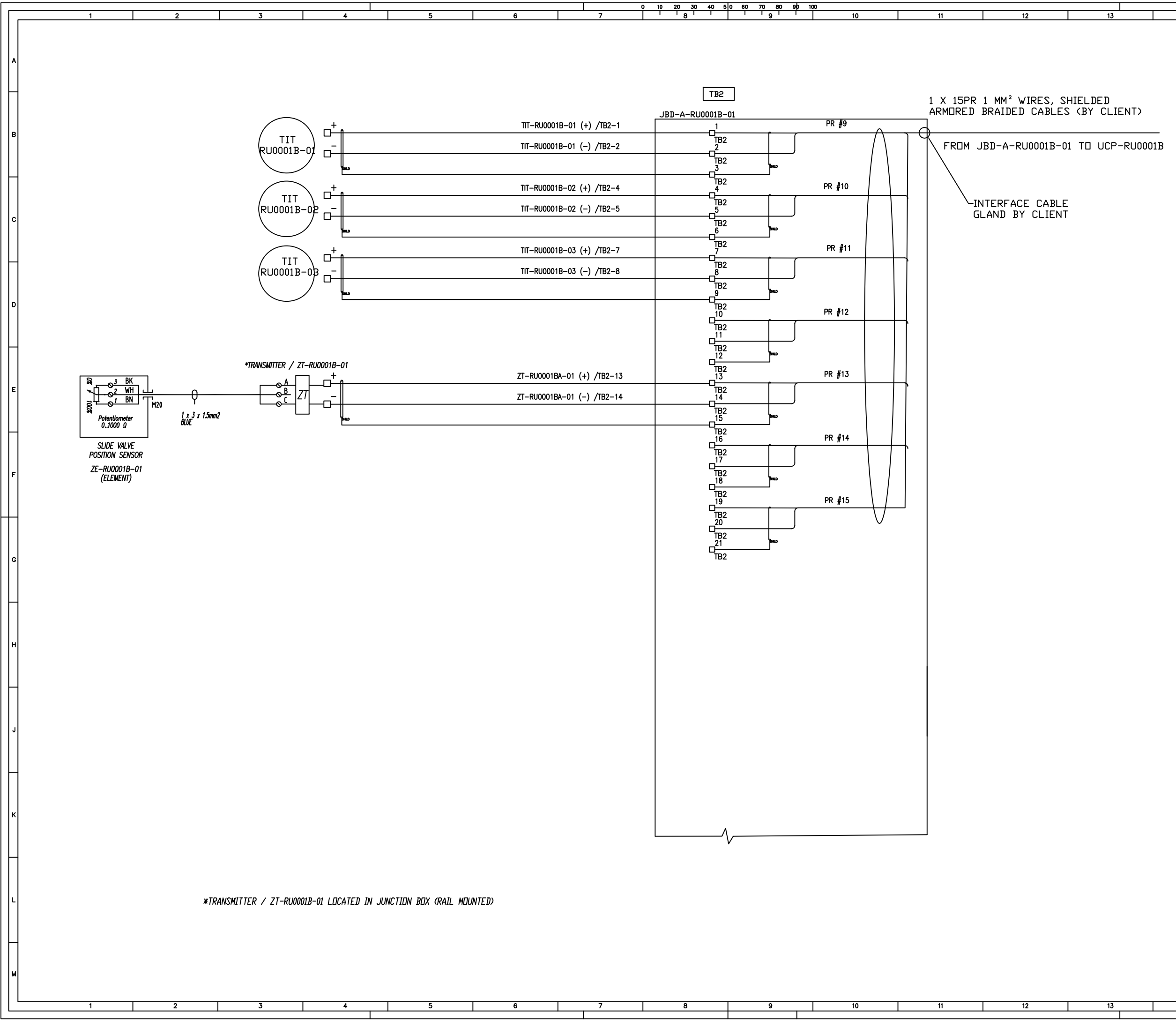


CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams JBD-A-RU0001B-01**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	13 of 18



15	16	REV.
REFERENCE DRAWING	DWG NO.	

LEGENDS :

NOTES :

- 1) 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.
- 2) AC SUPPLY PHASE NEUTRAL GROUND
 DC SUPPLY POSITIVE
 DC SUPPLY NEGATIVE
 SIGNAL PAIR POSITIVE NEGATIVE
 SINGLE TRIAD POSITIVE NEGATIVE THIRD WIRE
 THERMOCP L POSITIVE NEGATIVE
- 3) IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
- 4) SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION
- 5) DEVICES ARE EX(ia) RATED
- 6) JUNCTION BOX IS EX(e) RATED AND MATERIAL IS SS 316
- 7) MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
- 8) DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM
- 9) SEPARATION PLATE BETWEEN ANALOG, DIGITAL & POWER CABLES IS REQUIRED.

KEY PLAN :

01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY

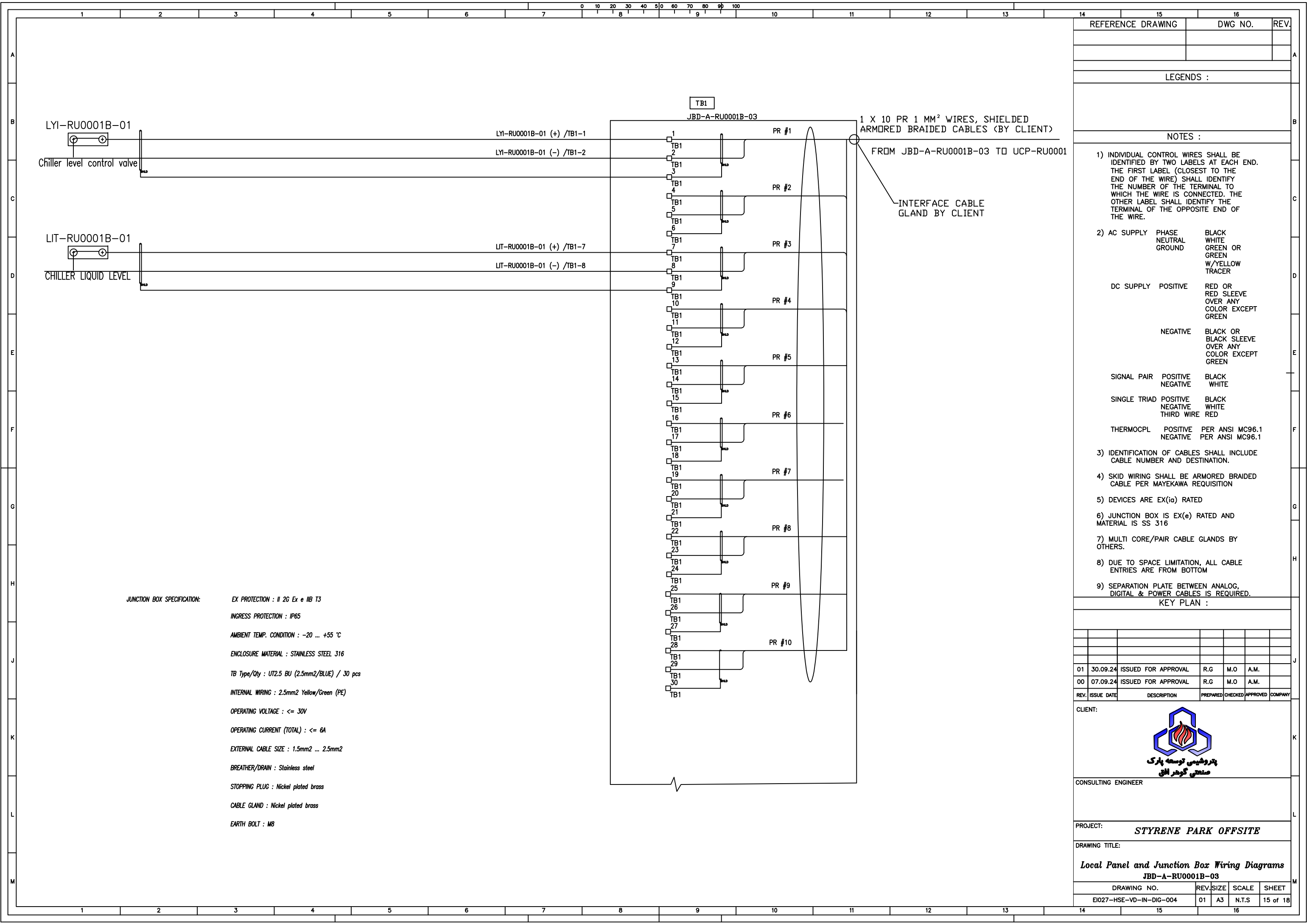
CLIENT:

CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams JBD-A-RU0001B-01**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	14 of 18



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/Qty : UT2.5 BU (2.5mm2/BLUE) / 30 pcs
- 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

REFERENCE DRAWING	DWG NO.	REV.

LEGENDS :

- NOTES :
- 1) 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.
 - 2) AC SUPPLY PHASE NEUTRAL GROUND DC SUPPLY POSITIVE NEGATIVE SIGNAL PAIR POSITIVE NEGATIVE SINGLE TRIAD POSITIVE NEGATIVE THIRD WIRE RED THERMOCPPL POSITIVE NEGATIVE
 - 3) IDENTIFICATION OF CABLES SHALL INCLUDE CABLE NUMBER AND DESTINATION.
 - 4) SKID WIRING SHALL BE ARMORED BRAIDED CABLE PER MAYEKAWA REQUISITION
 - 5) DEVICES ARE EX(ia) RATED
 - 6) JUNCTION BOX IS EX(e) RATED AND MATERIAL IS SS 316
 - 7) MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - 8) DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM
 - 9) SEPARATION PLATE BETWEEN ANALOG, DIGITAL & POWER CABLES IS REQUIRED.

KEY PLAN :

01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY



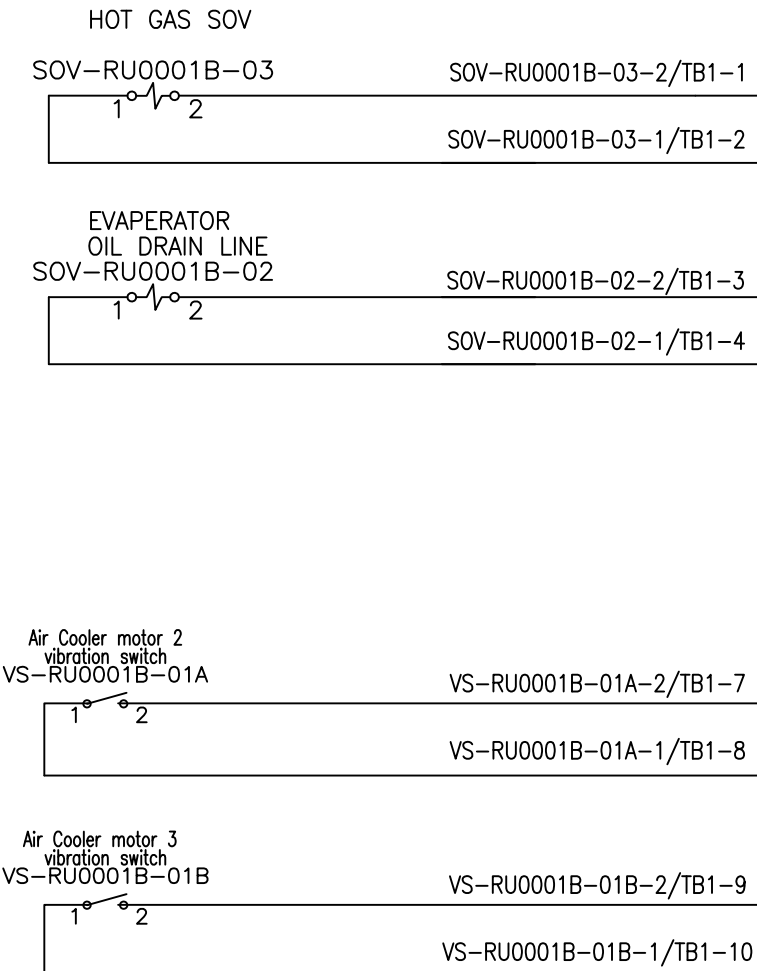
CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE:
Local Panel and Junction Box Wiring Diagrams
JBD-A-RU0001B-03

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	15 of 18

TB1 JBD-D-RU0001B-04



MULTICORE CABLE 1 X 12C 2.5 MM2 WIRES, NON-SHIELDED ARMORED BRAIDED CABLE (BY CLIENT)

FROM JBD-D-RU0001B-04 TO UCP-RU0001

INTERFACE CABLE GLAND BY CLIENT


REFERENCE DRAWING	DWG NO.	REV.
LEGENDS :		
NOTES :		

- 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 NEUTRAL GROUND: BLACK WHITE GREEN OR GREEN W/YELLOW TRACER
- DC SUPPLY POSITIVE: RED OR RED SLEEVE OVER ANY COLOR EXCEPT GREEN
- DC SUPPLY NEGATIVE: BLACK OR BLACK SLEEVE OVER ANY COLOR EXCEPT GREEN
- SIGNAL PAIR POSITIVE NEGATIVE: BLACK WHITE
- SINGLE TRIAD POSITIVE NEGATIVE THIRD WIRE: BLACK WHITE RED
- THERMOCP L POSITIVE NEGATIVE: PER ANSI MC96.1 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
- JUNCTION BOX IS EX(e) RATED AND MATERIAL IS SS 316
- MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
- DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM
- SEPARATION PLATE BETWEEN ANALOG, DIGITAL & POWER CABLES IS REQUIRED.

KEY PLAN :

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	

CLIENT:



CONSULTING ENGINEER

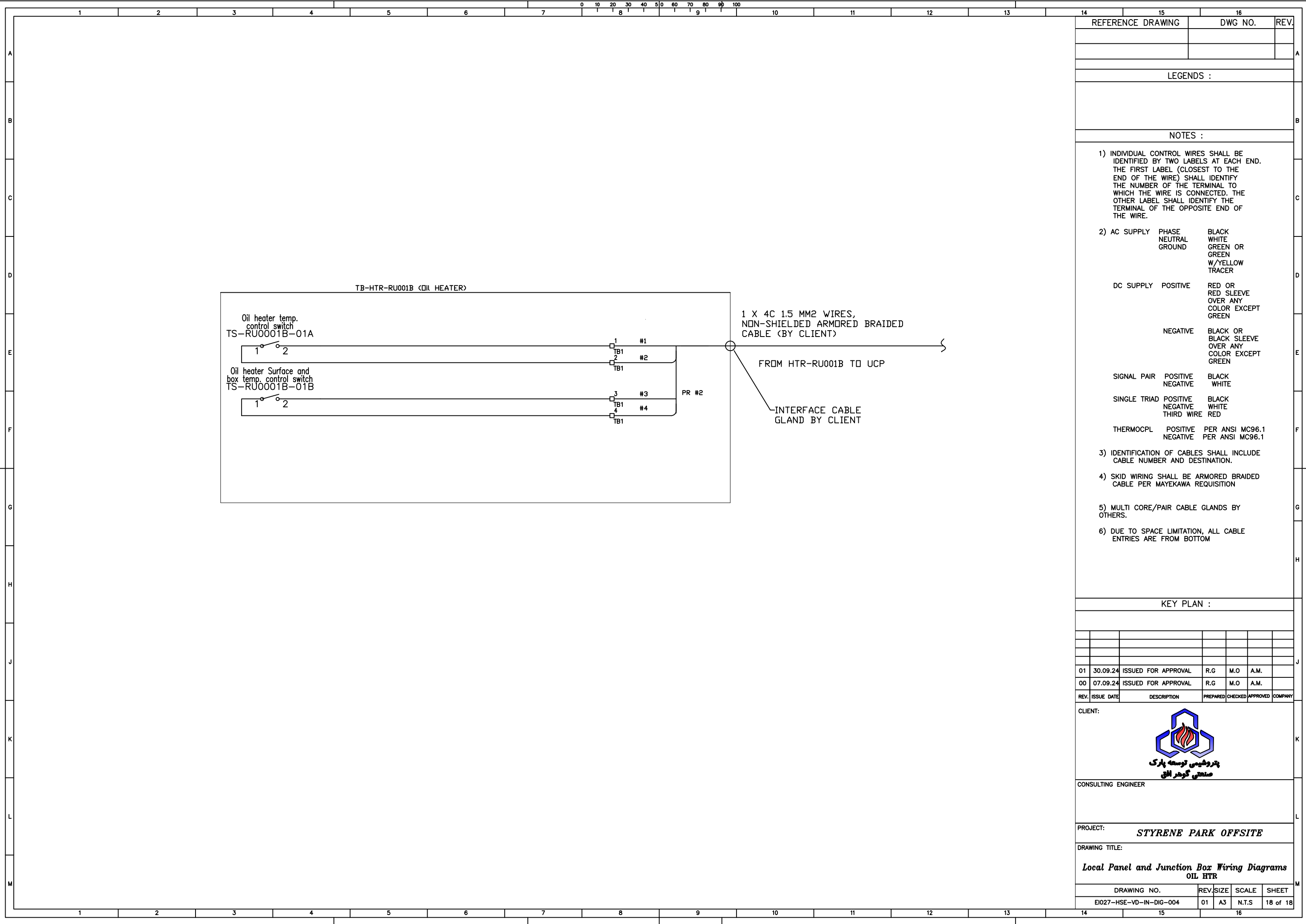
PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams JBD-D-RU0001B-04**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	17 of 18

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/Qty : UT2.5 BU (2.5mm2/GRAY) / 12 pcs
- 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



REFERENCE DRAWING	DWG NO.	REV.

LEGENDS :

- NOTES :
- 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
NEUTRAL: WHITE
GROUND: GREEN OR GREEN 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
 - MULTI CORE/PAIR CABLE GLANDS BY OTHERS.
 - DUE TO SPACE LIMITATION, ALL CABLE ENTRIES ARE FROM BOTTOM

KEY PLAN :

REV.	ISSUE DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	COMPANY
01	30.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	
00	07.09.24	ISSUED FOR APPROVAL	R.G	M.O	A.M.	



CONSULTING ENGINEER

PROJECT: **STYRENE PARK OFFSITE**

DRAWING TITLE: **Local Panel and Junction Box Wiring Diagrams OIL HTR**

DRAWING NO.	REV.	SIZE	SCALE	SHEET
EI027-HSE-VD-IN-DIG-004	01	A3	N.T.S	18 of 18