EARTHING DRAWING

SUPPLIER DOCUMENT NO.		EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029
FRONT SHEET	:	01
DRAWINGS	:	04
TOTAL SHEETS	:	05

REFERENCE DRAWINGS	DRAWING No.	NOTES:

REV		DRAWN	CHK	END	DATE
R02	RE-ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	01-07-22
R01	ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	22-06-22

COPY RIGHT RESERVED

CONTRACTOR

epic ATLANTIC

ENDORSEMENT

RELEASED FOR	DESIGN ENGR.	BFPC TECH REP	SPDC TECH REP	DATE
–	–	–	–	–

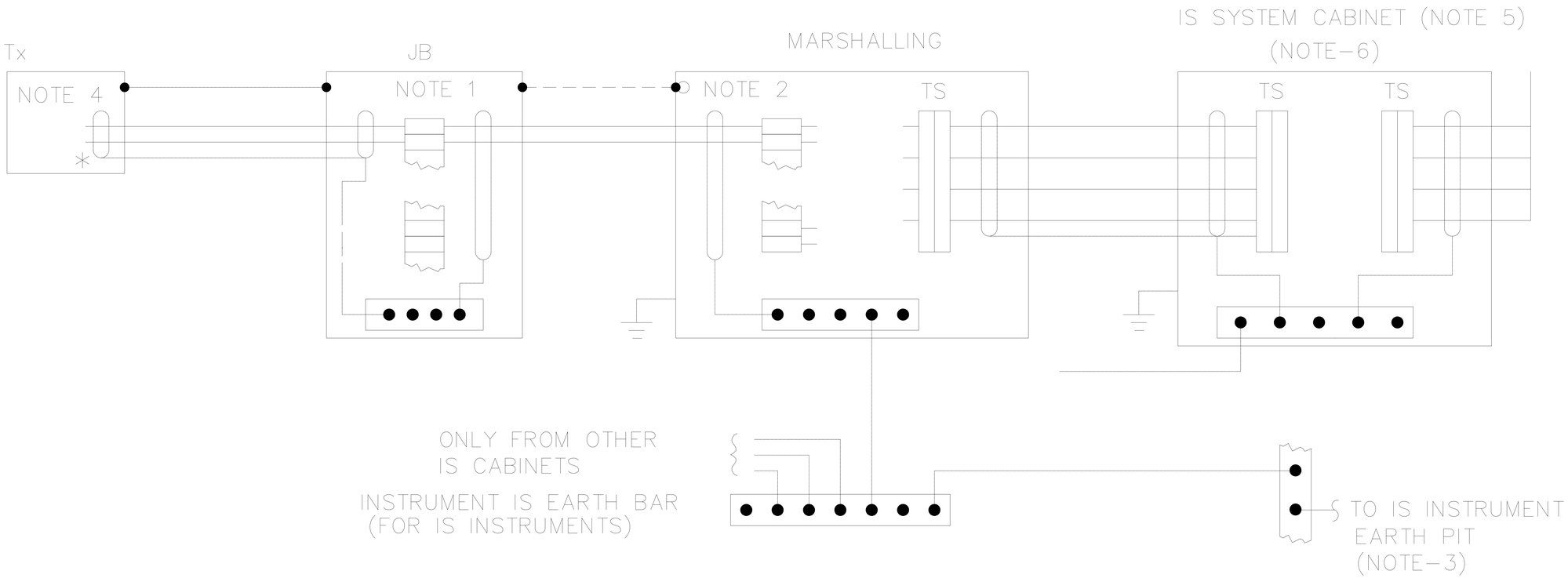
BRASS FERTILIZER & PETROCHEMICAL COMPANY LIMITED

brass fertilizer

GAS PROCESSING AND METHANOL COMPLEX PROJECT
FEED FOR GAS GATHERING PIPELINES

EARTHING DRAWING FOR BBOU/ELEP/AKAB

DRAWN: KIRAN P.	DATE: 01-07-2022	SHEET: 1 of 5	
CHECKED: PRINCE O.	DRAWING No. EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029	REV.	
ENDORSED: KINGSLEY. A.	PROJECT No. –	R02	
APP'D DATE: –	PROJECT No.		



NOTES :

1. CABLE GLAND GRIPPING ON ARMOURING; CONTINUITY BY GLAND PLATE.
2. METAL FIELD JUNCTION BOXES ONLY NEED SAFETY EARTH VIA SUPPORT IF THEY CONTAIN VOLTAGES ABOVE 50 VDC.
3. SAFETY EARTH IN CONTROL ROOM BUILDING SHALL BE A RING SYSTEM.
4. INSTRUMENT HOUSINGS EARTHED VIA MOUNTING HARDWARE
5. BETWEEN THESE CABINETS CONNECT SCREEN OF CABLE ON ONE SIDE TO INSOLATED INSTRUMENT EARTH BAR ONLY.
6. SYSTEM CABINET IS APPLICABLE IF ADDITONAL CABINET OTHER THAN MARSHALLING CABINET REQUIRED.
7. INSTRUMENT EARTH PIT AND SAFETY EARTH PIT ARE TWO INDEPENDENT EARTH PITS.
8. THE REDUNDANT SYSTEM EARTH PITS SHALL BE CONNECTED TO THE ELECTRICAL PROTECTIVE EARTHING SYSTEM THROUGH SUITABLE SURGE ISOLATION AND PROTECTION DEVICE LIKE (ISOLATING SPARK GAP- ISG) INTO EQUIPOTENTIAL BONDING. THESE LIGHTNING SURGE ISOLATION AND PROTECTION DEVICES SHALL COMPLY TO THE REQUIREMENTS OF IEC 62561-3.

CABLE SCREEN

CABLE ARMOURING

TS TERMINAL STRIP

COPPER INSOLATED INSTRUMENT EARTH BAR.

* CABLE SCREEN CUT BACK AND INSOLATED.

CONNECT TO SAFETY EARTH BAR

IS INTRINSIC SAFE

REFERENCE DRAWINGS	DRAWING No.

NOTES:

REV		DRAWN	CHK	END	DATE
R02	RE-ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	01-07-22
R01	ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	22-06-22

COPY RIGHT RESERVED

CONTRACTOR

ENDORSEMENT

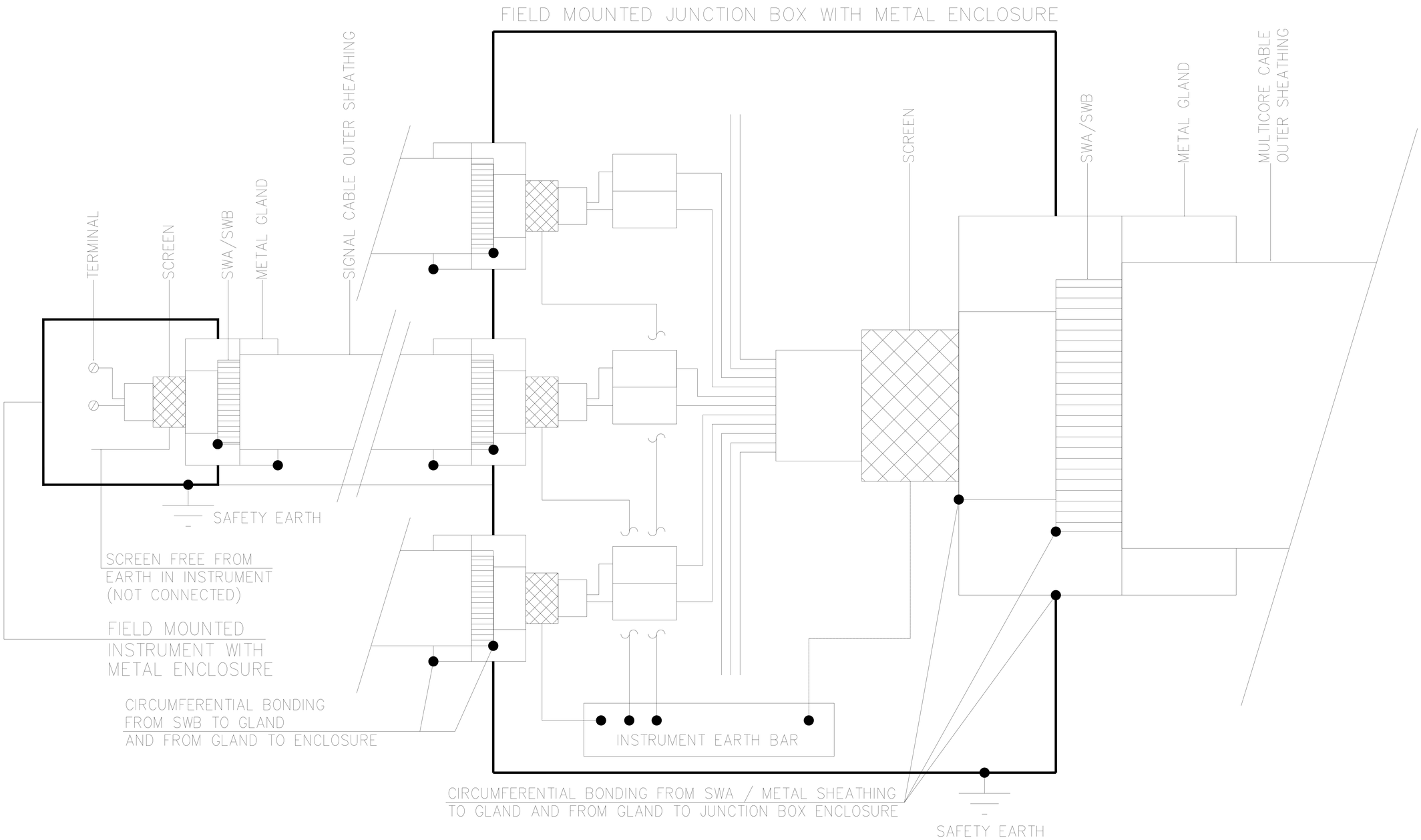
RELEASED FOR	DESIGN ENGR.	BFPC TECH REP	SPDC TECH REP	DATE
-	-	-	-	-

BRASS FERTILIZER & PETROCHEMICAL COMPANY LIMITED

GAS PROCESSING AND METHANOL COMPLEX PROJECT
FEED FOR GAS GATHERING PIPELINES

EARTHING DRAWING FOR BBOU/ELEP/AKAB

DRAWN: KIRAN P.	DATE: 01-07-2022	SHEET: 2 of 5	
CHECKED: PRINCE O.	DRAWING No. EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029		REV.
ENDORSED: KINGSLEY. A.	PROJECT No. -		R02
APP'D DATE: -	PROJECT No.		



REFERENCE DRAWINGS	DRAWING No.

NOTES:

REV		DRAWN	CHK	END	DATE
R02	RE-ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	01-07-22
R01	ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	22-06-22

COPY RIGHT RESERVED

CONTRACTOR: epic ATLANTIC

ENDORSEMENT

RELEASED FOR	DESIGN ENGR.	BFPC TECH REP	SPDC TECH REP	DATE
–	–	–	–	–

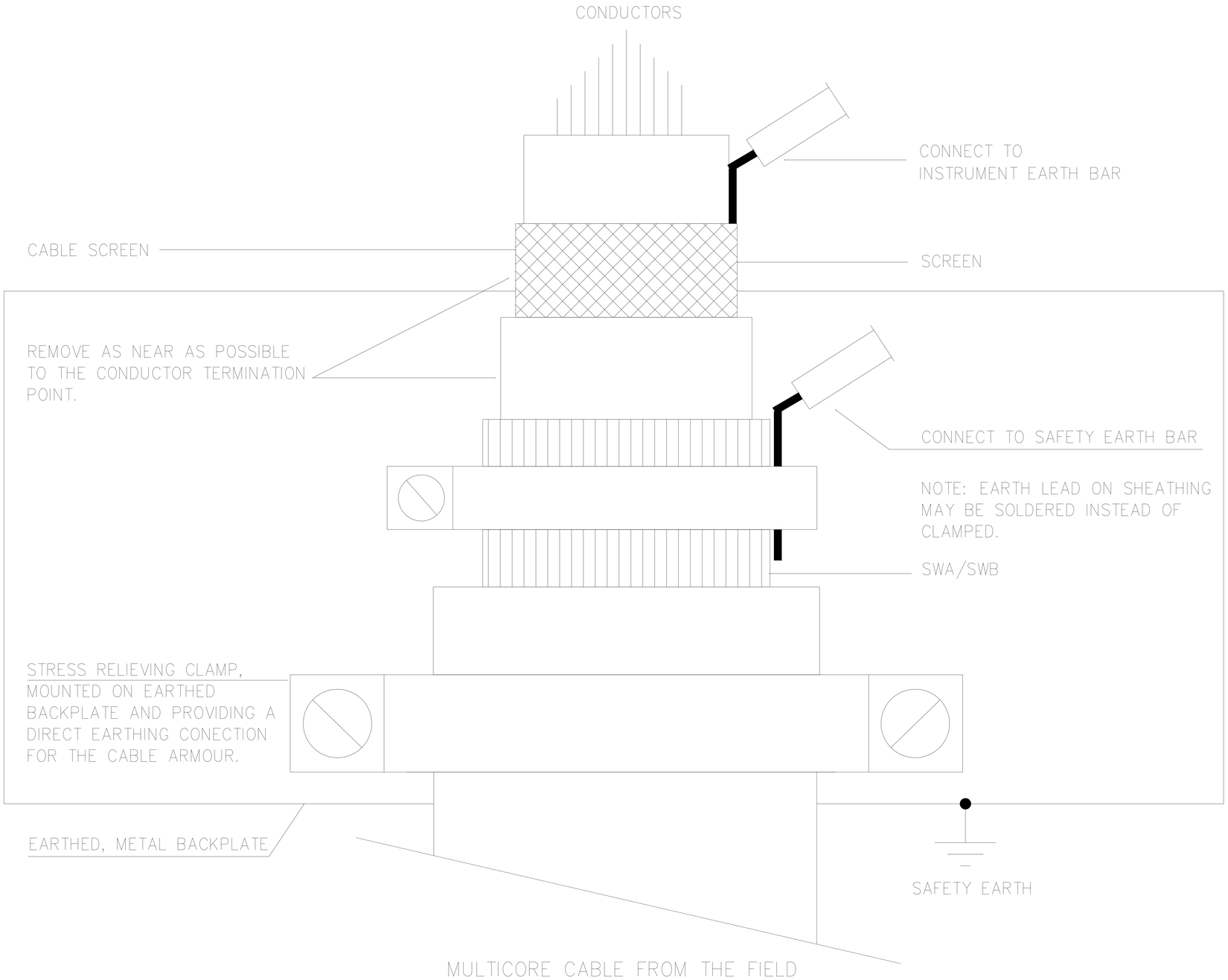
BRASS FERTILIZER & PETROCHEMICAL COMPANY LIMITED

brass fertilizer

GAS PROCESSING AND METHANOL COMPLEX PROJECT
FEED FOR GAS GATHERING PIPELINES

EARTHING DRAWING FOR BBOU/ELEP/AKAB

DRAWN: KIRAN P.	DATE: 01-07-2022	SHEET: 3 of 5	
CHECKED: PRINCE O.	DRAWING No. EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029		REV.
ENDORSED: KINGSLEY. A.	PROJECT No. –		R02
APP'D DATE: –	PROJECT No.		



REFERENCE DRAWINGS	DRAWING No.

NOTES:

REV		DRAWN	CHK	END	DATE
R02	RE-ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	01-07-22
R01	ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	22-06-22

COPY RIGHT RESERVED

CONTRACTOR: epic ATLANTIC

ENDORSEMENT

RELEASED FOR	DESIGN ENGR.	BFPC TECH REP	SPDC TECH REP	DATE
–	–	–	–	–

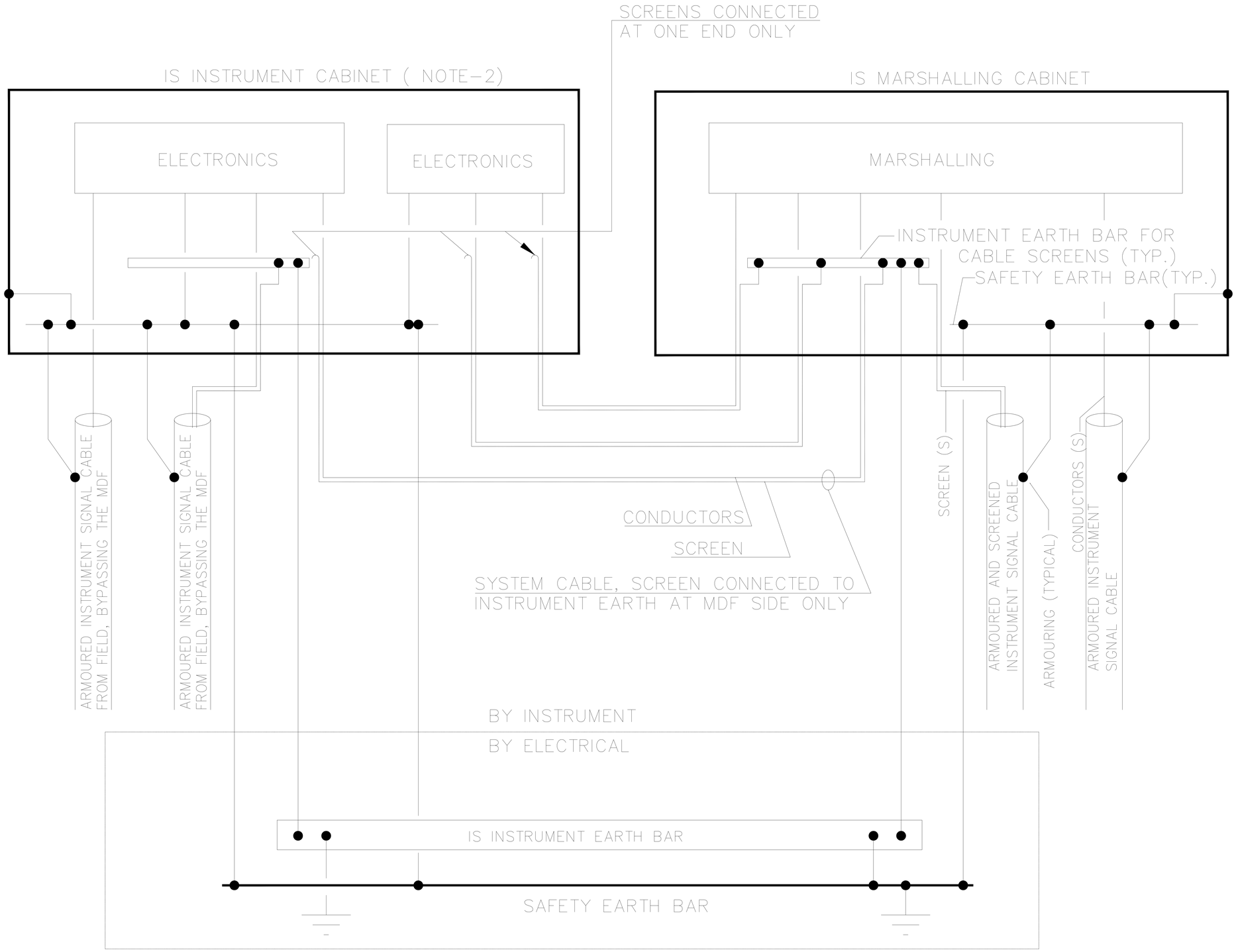
BRASS FERTILIZER & PETROCHEMICAL COMPANY LIMITED

brass fertilizer

GAS PROCESSING AND METHANOL COMPLEX PROJECT
FEED FOR GAS GATHERING PIPELINES

EARTHING DRAWING FOR BBOU/ELEP/AKAB

DRAWN: KIRAN P.	DATE: 01-07-2022	SHEET: 4 of 5	
CHECKED: PRINCE O.	DRAWING No. EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029		REV.
ENDORSED: KINGSLEY. A.	PROJECT No. –		R02
APP'D DATE: –	PROJECT No.		



REFERENCE DRAWINGS	DRAWING No.

NOTES:

REV		DRAWN	CHK	END	DATE
R02	RE-ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	01-07-22
R01	ISSUED FOR REVIEW	KIRAN P.	PRINCE O.	KINGSLEY A.	22-06-22

COPY RIGHT RESERVED

CONTRACTOR: epic ATLANTIC

ENDORSEMENT

RELEASED FOR	DESIGN ENGR.	BFPC TECH REP	SPDC TECH REP	DATE
–	–	–	–	–

BRASS FERTILIZER & PETROCHEMICAL COMPANY LIMITED

brass fertilizer

GAS PROCESSING AND METHANOL COMPLEX PROJECT
FEED FOR GAS GATHERING PIPELINES

EARTHING DRAWING FOR BBOU/ELEP/AKAB

DRAWN: KIRAN P.	DATE: 01-07-2022	SHEET: 5 of 5	
CHECKED: PRINCE O.	DRAWING No. EA-BFPCL-GPMC-GGPL-FEED-ICS-DWG-029		REV.
ENDORSED: KINGSLEY. A.	PROJECT No. –		R02
APP'D DATE: –	PROJECT No.		