




Sheet 01/01

2211-CWR80B01-2-SP02;2121-VA49A06-3-SP05;1121-N67028-1-SP02;1121-N67028-1-SP01;2121-VA40Z10-2-SP03;2121-VA40Z10-2-SP02;1121-CHWR43011-1-SP03;1121-CHWR43011-1-SP02;1121-CHWR43011-1-SP01;1111-VA00001-1-SP02;1111-VA00001-1-SP01;1111-LC63028-3-SP12;1111-LC63028-2-SP13;1111-IW01001-3-SP05;1111-IW01001-3-SP04;1111-IW01001-3-SP03;1111-JWR24005-1-SP01;1111-FW68A38-5-SP01;1111-FW68A38-5-SP02;1111-CHWS61027-1-SP02;1111-CHWS61027-1-SP01;1111-CHWR61014-1-SP01;7111-N00D01-2-SP03;7111-IW00B01-15-SP04;7111-FW68A88-3-SP02;7111-FW68A88-3-SP01;7111-FW68A88-2-SP16;7111-FW68A88-2-SP15;7111-FW68A88-2-SP17;7111-FW68A88-1-SP20;7111-FW68A88-1-SP19;7111-FW68A88-1-SP18;7111-CWR94005-3-SP02;7111-CWR94005-3-SP01;7111-N91M15-1-SP01;7111-CWS91J02-2-SP06;7111-CWS91J02-2-SP05;7111-CWR91K03-2-SP08;7111-CWR91K03-2-SP07;7111-LC91A01-1-SP01;7111-LC91A01-1-SP02;7111-LS91A81-1-SP01;7111-CWR952A04-1-SP01;7111-CWR91K04-1-SP01;7111-CWR40B03-1-SP01;7111-CWR40B03-1-SP02;7111-CWS91J23-1-SP01;7111-CWS91J04-1-SP01;7111-IW91N65-1-SP01

[illegible]

JOAQUIM PINTO  
PIPING SUP.  
Joaquim Pinto

| LEGEND OF CHECK RESULT | <input checked="" type="checkbox"/> Checked &<br>NOT Accepted | <input checked="" type="checkbox"/> Checked &<br>Accepted | N.A. Not Applicable | Y/N | Punch List<br>Produced |
|------------------------|---|---|---------------------|-----|------------------------|
|                        | Date<br>[DD-MMM-YYYY]   | Name  | Signature           |     |                        |
| SUBCONTRACTOR          | 16/10/2023  | Patricia Teixeira   | Patricia Teixeira   |     |                        |
| CONTRACTOR             | 16/10/2023  | LUT 6205  | LUT 6205            |     |                        |
| COMPANY                |   |   |                     |     |                        |
| (Free)                 |   |   |                     |     |                        |

|   |  |   |   |
|---|--|---|---|
| <br>Tecnimont S.p.A. | <br>REPSOL POLIMEROS SA | 4274_CONST<br>4274-ALBA PROJECT-PP AND PEL PLANTS                   |  |
| MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP<br>Rev.1   |  | Report n° IP-WSR-P-310-000008_MOD-ITP-XL_220<br>RFI Nr.: 294 Date : |   |
| Unit -  |  |   |   |
| Plant Area -  |  |   |   |
| Isometric Number  |  |   |   |
| Inspection Package Number IP-WSR-P-310-000008 - IP Spool Release From Workshop                        |  |   |   |

Sheet 01/01

The Present Inspection Package contains the following Elements:


2211-CWR80B01-2-SP02;2121-VA49A06-3-SP05;1121-N67028-1-SP02;1121-N67028-1-SP01;2121-VA40Z10-2-SP03;2121-VA40Z10-2-SP02;1121-CHWR43011-1-SP03;1121-CHWR43011-1-SP02;1121-CHWR43011-1-SP01;1111-VA00001-1-SP02;1111-VA00001-1-SP01;1111-LC63028-3-SP12;1111-LC63028-2-SP13;1111-IW01001-3-SP05;1111-IW01001-3-SP04;1111-IW01001-3-SP03;1111-JWR24005-1-SP01;1111-FW68A38-5-SP01;1111-FW68A38-5-SP02;1111-CHWS61027-1-SP02;1111-CHWS61027-1-SP01;1111-CHWR61014-1-SP01;7111-N00D01-2-SP03;7111-IW00B01-15-SP04;7111-FW68A88-3-SP02;7111-FW68A88-3-SP01;7111-FW68A88-2-SP16;7111-FW68A88-2-SP15;7111-FW68A88-2-SP17;7111-FW68A88-1-SP20;7111-FW68A88-1-SP19;7111-FW68A88-1-SP18;7111-CWR94005-3-SP02;7111-CWR94005-3-SP01;7111-N91M15-1-SP01;7111-CWS91J02-2-SP06;7111-CWS91J02-2-SP05;7111-CWR91K03-2-SP08;7111-CWR91K03-2-SP07;7111-LC91A01-1-SP01;7111-LC91A01-1-SP02;7111-LS91A81-1-SP01;7111-CWR52A04-1-SP01;7111-CWR91K04-1-SP01;7111-CWR40B03-1-SP01;7111-CWR40B03-1-SP02;7111-CWS91J23-1-SP01;7111-CWS91J04-1-SP01;7111-IW91N65-1-SP01

NOTES (\*): 4274-XH-PQ-00000001

1) Painting cycle to be indicated.

2) Refer to: 4274-LZ-PC-00000214 (COMPANY 4001008GEN-PC-214) "Management of Site Metallic Welding Activities" and 4274-LZ-PC-00000215 (COMPANY 4001008GEN-PC-215) "Procedure for Traceability of Piping Material"

3) Refer to: 4274-XH-SG-00000003 (COMPANY 45-L-45-000-2-00-80005) "Specification for Piping Fabrication & Erection Amendment to EC-L-51.01 and EC-L-51.02" and 4274-XH-PQ-00000001 (COMPANY 45-L-45-000-2-00-80081) "Inspection and Test Plan for Steel Piping Works"

  
 JOAQUIM PINTO  
 PIPING SUP.  
 Joaquim Pinto

|                        |  |  |                     |                           |
|------------------------|--|--|---------------------|---------------------------|
| LEGEND OF CHECK RESULT | <input checked="" type="checkbox"/> Checked & NOT Accepted | <input checked="" type="checkbox"/> Checked & Accepted | N.A. Not Applicable | Y / N Punch List Produced |
|                        | Date [DD-MMM-YYYY]   | Name   | Signature           |                           |
| SUBCONTRACTOR          | 16/10/2023   | Patricia Teixeira                                      | Patricia Teixeira   |                           |
| CONTRACTOR             | 16/10/2023   | Luiz Gomes   | Luiz Gomes          |                           |
| COMPANY                |  |  |                     |                           |
| (Free)                 |  |  |                     |                           |

# ISO Summary List

# 22635 / 1500

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA49A06-3** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-1C14**

PED Category **Art 4.3**

**Assessment Inspection/Results**

| Spool | Weld# | Joint | Product Description                     | Seq. N.                                 | Heat #   | M.Certificate     | FM-Dos            | WPS      | WeldDate/Stamp | VT         | NDT-PT/MT | NDT-RT/UT | NDT-PMI/HT   | NDT-PN | NDT-FT | Repair 1 | Repair 2 |
|-------|-------|-------|---|---|----------|-------------------|-------------------|----------|----------------|------------|-----------|-----------|--------------|--------|--------|----------|----------|
| 01    | 05    | S19   | BW                                      | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S | 228      | 215148            | CE23002054_3.1_01 | 5-Varela | MW.20_BW       | 08/09/2023 | VT-I-022  | ✓         |              |        |        |          |          |
|       |       |       | 3" PIPE - A106-B BE SMLS                | 17                                      | 23211709 | 23310546          | PVX1312824        |          | S138           |            |           |           |              |        |        |          |          |
| 03    | 05    | S18   | BW                                      | 3" PIPE - A106-B BE SMLS                | 17       | 23211709          | 23310546          | 5-Varela | MW.20_BW       | 08/09/2023 | VT-I-022  | ✓         | RT-RT-I-0117 | ✓      |        |          |          |
|       |       |       | 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S | 228                                     | 215148   | CE23002054_3.1_01 | PVX1312824        |          | S138           |            |           |           |              |        |        |          |          |

## Notes

BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld

PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test

UT-Ultrasonic Test; PMI-Positive Material Identification

HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test

## Remarks

## APPROVED QC

Name: *Patricia Teixeira*

Date: *16/10/2023*

Sign: *Patricia Teixeira*

QC

## APPROVED by Client

Name: *Luiz Gomes*

Date: *16/10/2023*

Sign: *[Signature]*

MWI

## APPROVED by 3rd party or AI

Name:

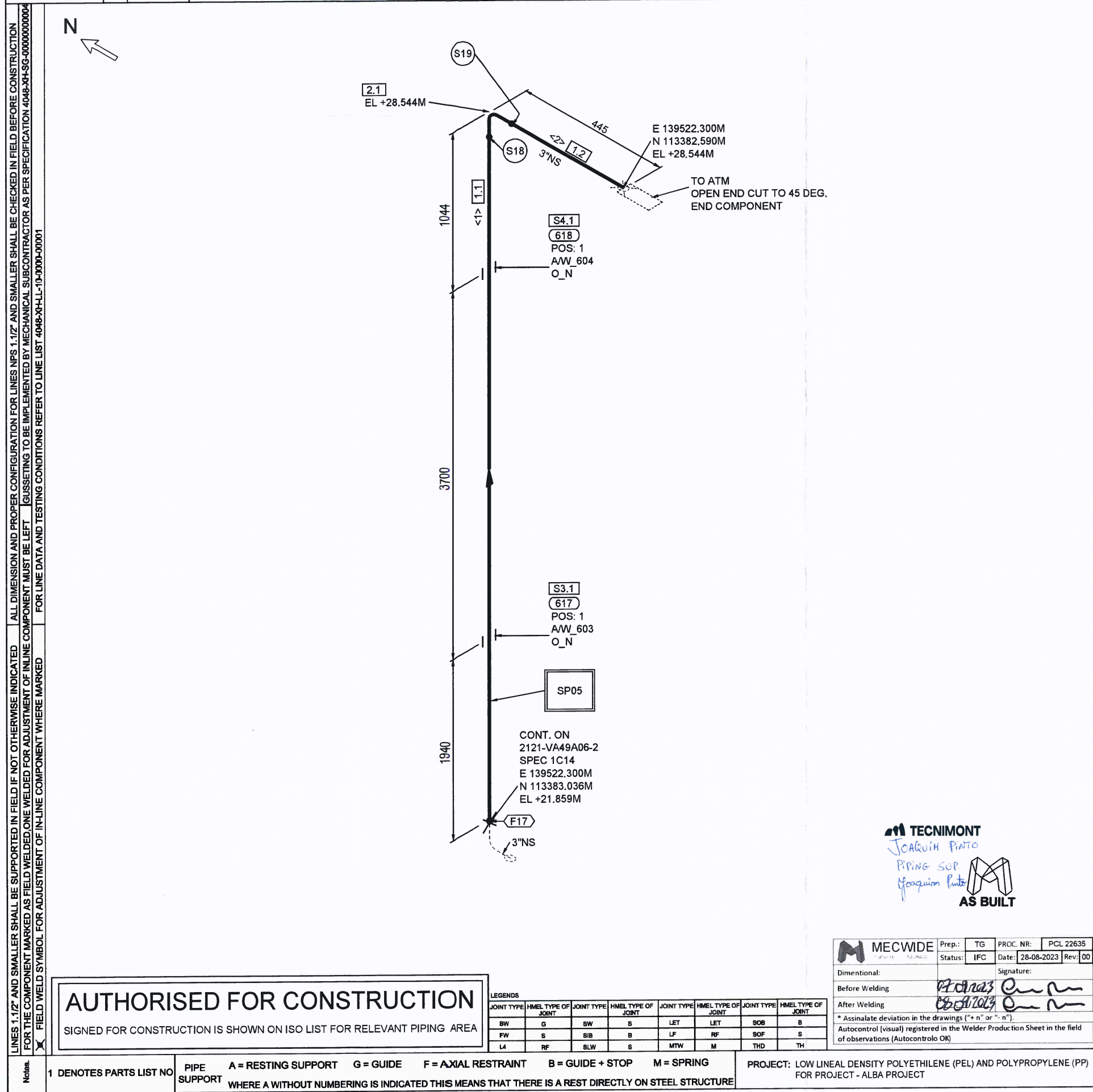
Date:

Sign:





|     |                       |                      |                         |            |                |               |          |       |   |   |                           |                                 |                                 |                              |                              |                                 |                |     |      |   |
|-----|-----------------------|----------------------|-------------------------|------------|----------------|---------------|----------|-------|---|---|---------------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|---------------------------------|----------------|-----|------|---|
|     | LINE DATA             |                      |                         |            |                |               |          |       |   |   |                           |                                 | PIPING ISOMETRIC                |                              | IDENTIFICATION CODE          |                                 |                |     |      |   |
|     | FLUID CODE: VA        |                      |                         |            |                |               |          |       |   |   | LINE NO. 3"-VA-49A06-1C14 |                                 | PLANT: SINES INDUSTRIAL COMPLEX |                              | CLIENT REF: REPSOL POLYMEROS |                                 | Job            | ETC | Area | N |
|     | PIPING MATERIAL CLASS |                      | INSULATION              | WELD CLASS | HEAT TREATMENT | PAINTING CODE | P&ID No. |       |   |   | 4274                      |                                 | XHDL                            | 2121                         | VA49A06                      |                                 |                |     |      |   |
|     | 00                    | 28-08-2023           | ISSUED FOR CONSTRUCTION | TG         | MW             | TM            | 1C14     | N / 0 | E | N | 1                         | 19-A-13-000-1-01-00001 sheet 57 | UNIT                            | 19                           | SHEET                        | 3                               | REV            | 00  |      |   |
| REV | DATE                  | REVISION DESCRIPTION | DRAWN UP                | CHKD UP    | APP'D          |               |          |       |   |   |                           | PIPING ASSEMBLY DRAWING         | 19-L-19-000-2-00-86196 sheet 7  | PIPING SUPPORT SPECIFICATION | XH-SG-00000002               | PIPING STANDARD SUPPORT SUMMARY | XH-LP-00000001 |     |      |   |
|     |                       |                      |                         |            |                |               |          |       |   |   |                           | PIPING ISOMETRIC LIST           | XH-LD-21210001                  | PIPING TYPICAL INSTALLATIONS | XH-SL-00000002               | WELDING SPECIFICATION           | XH-SW-00000001 |     |      |   |



| BILL OF MATERIALS                               |  |           |             |              |                  |
|---|--|-----------|-------------|--------------|------------------|
| FABRICATION MATERIALS                           |  |           |             |              |                  |
| PS NO   | DESCRIPTION  | NS (MM)   | ITEM CODE   | QTY.         | HOLD             |
| 1   | PIPE<br>PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).                       | 3         | 1117921     | 6.9 M        |                  |
| 2   | FITTINGS<br>90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955). | 3         | 1128599     | 1            |                  |
| ERECTION MATERIALS                              |  |           |             |              |                  |
| PS NO   | DESCRIPTION  | NS (MM)   | ITEM CODE   | QTY.         | HOLD             |
| 3   | SUPPORTS<br>U BOLT (FOR GUIDE)-P02D  | 3         | 617         | 1            |                  |
| 4   | U BOLT (FOR GUIDE)-P02D  | 3         | 618         | 1            |                  |
| CUT LIST  |  |           |             |              |                  |
| PIECE NO  | LENGTH (MM)  | SIZE (IN) | WELD NO     | WELD CAT.    | WELD TYPE        |
| <1>   | 6568   | 3"        | F17         | F            | BW               |
| <2>   | 328  | 3"        | S18         | S            | BW               |
|   |  |           | S19         | S            | BW               |
| WELD LIST                                       |  |           |             |              |                  |
| WELD NO   | WELD CAT.  | SIZE (IN) | WELD TYPE   | BOLT NO      | FLANGE SIZE (IN) |
| F17   | F  | 3"        | BW          |              |                  |
| S18   | S  | 3"        | BW          |              |                  |
| S19   | S  | 3"        | BW          |              |                  |
| BOLT LIST                                       |  |           |             |              |                  |
| BOLT NO   | FLANGE SIZE (IN)   | SIZE (IN) | LENGTH (MM) | INCH METER   |                  |
|   |  |           |             | PIPE NS (IN) | CL LENGTH (M)    |
|   |  |           |             | 3            | 7.1              |
| ISOMETRIC NO. 4274-SP-XH-DL-2121-VA49A06-3-IS00 |  |           |             |              |                  |
| SPOOLING REV NO. 00                             |  |           |             |              |                  |