

| | | | |
|--|--------------------------------------|--|---|
| TECNIMONT Tecnimont S.p.A. | REPSOL REPSOL POLIMEROS SA | 4274_CONST ALBA PROJECT-PP AND PEL PLANTS | |
| MOD-ITP-XL_220 Rev.1 | | RELEASE OF SPOOLS FROM WORKSHOP | Report n° IP-WSR-P-310-000250_RFI3873_MOD-ITP-XL_220 RFI Nr.: Date: |
| Unit - Plant Area - Isometric Number - Inspection Package Number IP-WSR-P-310-000250_RFI3873 - IP Spool Release From Workshop | | | |

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VRG41B10-1-SP01;2121-CT49A09-1-SP02;2121-CT49A09-1-SP03;1121-P40030-4-SP08;2121-CT49A09-1-SP01;2121-CYG40B12-1-SP02;1121-P40030-4-SP07;2121-CYG40B01-3-SP03;2121-CYG40B01-3-SP04;2121-CYG40B12-1-SP01;2121-CYG40C05-12-SP09;2121-CYG40B02-3-SP04;2121-CYG40B19-7-SP13;2121-CYG40B17-1-SP01;2121-CYG40B17-1-SP12;2121-CYG40B19-6-SP11;2121-CYG40B19-6-SP12;1121-P23021-2-SP03;1121-P23021-2-SP04;2121-CYG40B17-1-SP02

| Spool No. | Ready for destination to: P: Painting (1) W: Wrapping F: Field | NDE Class | Check List | | | | | |
|-----------|---|-----------|----------------|---------------------|-------------------------------|-----------------------------|---------------------------------|------------------------------|
| | | | Visual Inspect | Traceability OK (2) | Pending NDE / PMI (Yes/No/NA) | PWHT / HARDNESS (Yes/No/NA) | Inside Cleaning (3) (Yes/No/NA) | Spool Identified (Yes/No/NA) |
| | | | | | | | | |

Ion Dragos Andrei
06.08.2024.
On behalf of TCH



NoBo 1155

John Murray

06/08/2024

Ion Dragos Andrei
06.08.2024
On behalf of TCH

| 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 Product |
|------------------------|--|--|---------------------|---------------|--------------------|
| SUBCONTRACTOR | | | Date [DD-MMM-YYYY] | Name | Signature QC |
| CONTRACTOR | | | 06/08/2024 | COTRA FINNERA | |
| COMPANY | | | | | |
| (Free) | | | | | |

ISO Summary List

22635 / 1345
Page 1

| Client TECNIMONT/REPSOL | | Job # | 22635 | % RT/UT | |
|--|-------|--------------------------------|-----------------------------------|-------------------------------|-----------------------------|
| Local Portugal | | Project | 4274 ALBA-1007 Piping Fabrication | % PT/MT | |
| | | Revision | 02 | Priority | |
| | | PED Category | II | Assessment/Inspection/Results | |
| ISO # 2121-CY-G40B19-7 | | PED Category II | | | |
| Piping Size/Class 3-1E87 | | Assessment/Inspection/Results | | | |
| Product Description | | | | | |
| 3x3" WN FLANGE ASME B16.5 300# A105N RF | | | | | |
| 3x3" WN FLANGE ASME B16.5 300# A105N RF | | | | | |
| Spec# | Weld# | Joint | | | |
| 05 13 | S56 | BW | | | |
| Seq. N. | | Heat # | M.Certificate | FM-Dos | WPS |
| CERT. TCM 2330/776 ✓ | | BLD 2408426 ✓ | BC-23-Y145402 BLD-25-4525-906 | 17/Varetta PVX4010501 | MW/20_BW S71 |
| Weld Date/Stamp | | WT | NDT-PT/MT | NDT-RT/UT | NDT-PMI/HT |
| 15/04/2024 | | RT: RT-140658 | RT: RT-140658 | NDT-FT | NDT-PN |
| Notes | | Remarks | | | Approved QC |
| BN-Batt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld | | Approved by Client | | | Approved by 3rd party or AI |
| PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test | | Name: <u>Zélio J. Braga Jr</u> | | | Name: <u>John Doe</u> |
| UT-Ultrasonic Test; PMI-Positive Material Identification | | Date: <u>06/08/2024</u> | | | Date: <u>06/08/2024</u> |
| HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test | | Sign: <u>J. Braga Jr</u> | | | Sign: <u>John Doe</u> |


Reviewed by:
Nº BC 1155 □ Witnessed by:


| | | | | |
|---|-----------------------------|---------------------|----------------|-------------|
|  | Punch List | IDENTIFICATION CODE | | |
| | PUNCH LIST | SHEET 1 / 1 | DOC.CLASS 1 | ISSUE 01 |
|  <small>Engineering Challenges</small> | ISO ID: 2121 - CYG40B19 - 7 | | | |
|  <small>AMPAC Aluminio Industrial</small> | | | | |

Ion Dragos Andre
05.08.2024.
On behalf of TCM IT.

NOTES AND REMARKS

~~REGISTRATION NUMBER
05/10/2024
ON BEHALF OF TCM~~

| | DATE (dd-Mmm-YYYY) | NAME | SIGNATURE |
|---------------|--------------------|------|-----------|
| SUBCONTRACTOR | | | |
| CONTRACTOR | | | |
| COMPANY | | | |
| (Free) | | | |



PRO THE PRACTICAL CONSTRUCTION OF NARROW BOATS FOR ADVENTURE IN WEDS OR FISHING IN SEAS AND RIVERS.

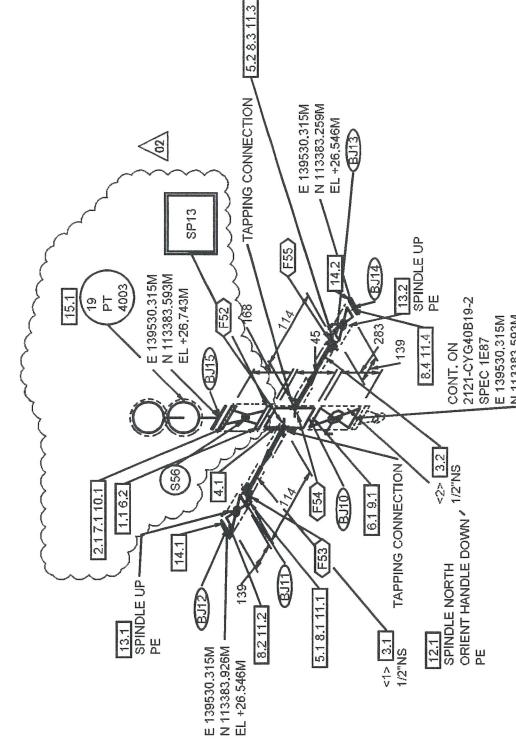
FIELD LEVEL SYMBOL FOR ADJUSTMENT OF INLINE COMPONENT WHERE MARKED FOR LINE DATA AND TEEING CONDITIONS REFER TO LINE LIST 4046-X-LL-1D-0000-00001

PRO THE PRACTICAL CONSTRUCTION OF NARROW BOATS FOR ADVENTURE IN WEDS OR FISHING IN SEAS AND RIVERS.

| LINE DATA | | | | | | | | | | PIPING ISOMETRIC | | IDENTIFICATION CODE | |
|-----------------|-----|---------------------------------|------|---------|-----|----------|----|---------------------------------|------------------|------------------|---------|---------------------|--------|
| FLUID CODE: CYG | | PIPE NO. 3"-CYG-40E19-1EB7 (SS) | | WELDING | | PAINTING | | CLIENT REF. REPSOL POLYMERS | | Job No. | Job No. | Area | Code |
| TG | MW | TG | MW | TG | MW | TG | MW | TG | MW | UNIT | UNIT | 19 | 7 |
| DRAWN | CHD | 1E87 | APPD | SS / 50 | A-1 | N | 20 | 19-A-18-2003-01-40E001 sheet 28 | XH-SL-3000000002 | E-C | E-C | 19 | REV 02 |
| UP | UP | | | | | | | | XH-SL-214210001 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000002 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000003 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000004 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000005 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000006 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000007 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000008 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000009 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000010 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000011 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000012 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000013 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000014 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000015 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000016 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000017 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000018 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000019 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000020 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000021 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000022 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000023 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000024 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000025 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000026 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000027 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000028 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000029 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000030 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000031 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000032 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000033 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000034 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000035 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000036 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000037 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000038 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000039 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000040 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000041 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000042 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000043 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000044 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000045 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000046 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000047 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000048 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000049 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000050 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000051 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000052 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000053 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000054 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000055 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000056 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000057 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000058 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000059 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000060 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000061 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000062 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000063 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000064 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000065 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000066 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000067 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000068 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000069 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000070 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000071 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000072 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000073 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000074 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000075 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000076 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000077 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000078 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000079 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000080 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000081 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000082 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000083 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000084 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000085 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000086 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000087 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000088 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000089 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000090 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000091 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000092 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000093 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000094 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000095 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000096 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000097 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000098 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000099 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000100 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000101 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000102 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000103 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000104 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000105 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000106 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000107 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000108 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000109 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000110 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000111 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000112 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000113 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000114 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000115 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000116 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000117 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000118 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000119 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000120 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000121 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000122 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000123 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000124 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000125 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000126 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000127 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000128 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000129 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000130 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000131 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000132 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000133 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000134 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000135 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000136 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000137 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000138 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000139 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000140 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000141 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000142 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000000143 | E-C | E-C | | |
| | | | | | | | | | XH-SL-3000 | | | | |

N

MIR42



Ion Dragos Andrei
05.08.2021
On behalf of Tech

 ASRI

AUTHORISED FOR CONSTRUCTION

UNAUTHORISED CONSTRUCTION IS PROHIBITED
CONSTRUCTION IS SHOWN ON ISO LIST FOR RELEVANT PIPING AREA

TYPE
OUT

| BILL OF MATERIALS | | | | | | | | | | | | | |
|--|---|-------------|-----------|--------------------|-----------|----------------|-----------|-----------|-----------|----------|------------------|---------------------|---------------|
| FABRICATION MATERIALS | | | | ERECTION MATERIALS | | | | | | | | | |
| PS NO. | DESCRIPTION | NS (MM) | ITEM CODE | QTY. | QTY. | ITEM CODE | QTY. | | | | | | |
| 1 | ELANGES WN FLANGE ASME B16.5 300# A105 RIFED BE 125 - 250 AARH | 3 | I4217853 | 1 | | | | | | | | | |
| 2 | WN FLANGE ASME B16.5 300# A105 RIFED BE 125 - 250 AARH FORIC-CH4B905-S-STD-AWF-A300535STD-(L-286) | 3 | I4217826 | 1 | | | | | | | | | |
| PS NO. | DESCRIPTION | NS (MM) | ITEM CODE | QTY. | QTY. | ITEM CODE | QTY. | | | | | | |
| PIPE | A105-B PIPE SMLS TO(A)C3202 S-X5-SP4010A112YSS-(L-6779) | 1/2 | I132777 | | | | | | | | | | |
| 4 | Drip Ring Y-HST-D08-300# A516-T0 NORM. F/F TEE 125 - 250 AARH | 3 | I6407995 | 1 | | | | | | | | | |
| SUPPL. REQ. | SPL ASME B16.5 D0108-FCS002 NRREQD-N/A(NA) | | | | | | | | | | | | |
| ELANGES | WN FLANGE ASME B16.5 300# A105 RIFED BE 125 - 250 AARH | 1/2 | I6792189 | 2 | | | | | | | | | |
| F0ZCF-CH4B905-S-X5-SWF-A3005351238-(L-375) | | | | | | | | | | | | | |
| GASKETS | SPRAL WOUND GASKET ASME B16.20 300# RTFEE 316GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GPFI1001 SPA-G50RBEA3-(L-SP401) | 3 | I60205412 | 2 | | | | | | | | | |
| 7 | SPRAL WOUND GASKET ASME B16.20 300# RTFEE 316GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GPFI1001 SPA-G50RBEA3-(L-SP408) | 3 | I60680978 | 1 | | | | | | | | | |
| 8 | SPRAL WOUND GASKET ASME B16.20 300# RTFEE 316GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GPFI1001 SPA-G50RBEA3-(L-SP401) | 1/2 | I60205405 | 4 | | | | | | | | | |
| STUD BOL TS8-NUTS ASME B18.31 2018.2.2 A193B7/A194-2H INCH SIZE 101CB001-S402565 GA4671A-(2) NUTS PER BOLT - 150 mm Length | 3/4 | I53437475 | 8 | | | | | | | | | | |
| 10 | STUD BOL TS8-NUTS ASME B18.31 2018.2.2 A193B7/A194-2H INCH SIZE 101CB001-S402565 CS4671A-(2) NUTS PER BOLT - 150 mm Length | 3/4 | I53437469 | 8 | | | | | | | | | |
| 11 | STUD BOL TS8-NUTS ASME B18.31 2018.2.2 A193B7/A194-2H INCH SIZE 101CB001-S402565 CS4671A-(2) NUTS PER BOLT - 150 mm Length | 1/2 | I53437190 | 16 | | | | | | | | | |
| VALVE ISOLATION | | | | | | | | | | | | | |
| 12 | BALL VALVE BE EN1730 300# STWCB RPF 316PEEK B72H125 -250 AARH 2PSS-BL BORL FLOATING BALL RL ASME B16.5 YOFC2CB905-NIPEC-B431-L298-(L-316) | 3 | I6984310 | 1 | | | | | | | | | |
| 13 | BALL VALVE ASME B16.5 300# A216-WC RPF B72H125 -250 AARH BORL -2NPT -(NA) YOFC2CB905-NIPEC-B431-L298-(L-316) | 1/2 | I64811253 | 2 | | | | | | | | | |
| 14 | BALL FLANGE ASME B16.5 300# A105 RIFED 125 - 250 AARH FUC-C4B905-48F-A3005351238-(L-143) | 1/2 | I6523274 | 2 | | | | | | | | | |
| INSTRUMENTS | | | | | | | | | | | | | |
| 15 | INSTRUMENT COMPONENT 19FT4003 | 3 | | 1 | | | | | | | | | |
| CUT LIST | PIECE NO. | LENGTH (MM) | SIZE (IN) | WELD NO. | WELD CAT. | WELD SIZE (IN) | WELD TYPE | WELD LIST | BOLT LIST | BOLT NO. | FLANGE SIZE (IN) | SIZE (IN) | LENGTH (MM) |
| <1> | 100 | 1/2" | F53 | F | 1/2" | SW | EJ11 | 3/4" | | | | | |
| <2> | 100 | 1/2" | F54 | F | 1/2" | SW | EJ12 | 1/2" | | | | | |
| | | | F55 | F | 1/2" | SM | EJ13 | 1/2" | | | | | |
| | | | S56 | S | 3/8" | BW | EJ14 | 1/2" | | | | | |
| | | | | | | | EJ15 | 3/4" | | | | | |
| INCH METER | | | | | | | | | | | | PIPE NS (IN) | CL LENGTH (M) |
| | | | | | | | | | | | | 3 | 0.5 |
| | | | | | | | | | | | | | 0.4 |
| ISOMETRIC NO. 4274-SP-XH-DL-2121-CY40B19-74S02 | | | | | | | | | | | | SPOOLING REV NO. 02 | |
| SHEET NO. 1 OF 1 | | | | | | | | | | | | | |

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