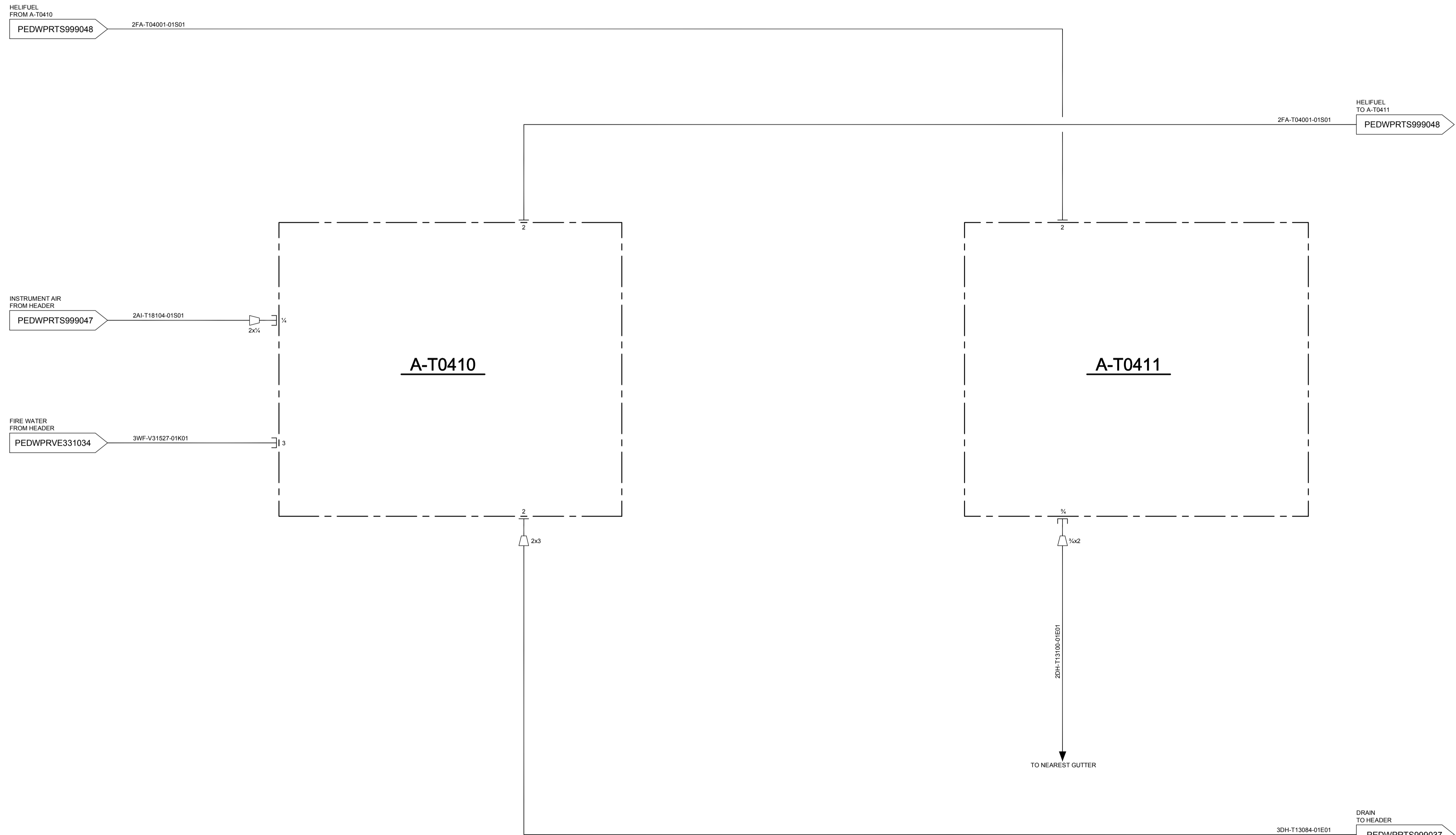


| TANK LAY DOWN-HELIFUEL PACKAGE | |
|--------------------------------|---------|
| TAG | A-T0410 |
| STORAGE (l) | 2x2900 |
| PUMP (m ³ /h) | 13.7 |
| PRESSURE (bar(g)) | 3.45 |

| DISPENSING UNIT | |
|-----------------|---------|
| TAG | A-T0411 |
| DESIGN | 3 stage |



| GENERAL NOTES | |
|---------------|-------------|
| ID | DESCRIPTION |
| | |

| LAYOUT NOTES | |
|--------------|-------------|
| ID | DESCRIPTION |
| | |

| REFERENCE DOCUMENTS | | |
|---------------------|-----------------|--------------------------------------------|
| ID | SBM DOC. NUMBER | DESCRIPTION |
| 1 | PEDWPRPG999003 | FPSO - PIPING LEGEND - P&ID |
| 2 | PEDWPRPG999004 | FPSO - PIPING IDENTIFICATION LEGEND - P&ID |
| 3 | PEDWPRPG999005 | FPSO - INSTRUMENTATION LEGEND - P&ID |
| 4 | PEDWPRPG999006 | FPSO - EQUIPMENT LEGEND - P&ID |
| 5 | PEDWPRPG999007 | FPSO - TYPICAL DETAILS - P&ID 1 |
| 6 | PEDWPRPG999008 | FPSO - TYPICAL DETAILS - P&ID 2 |
| 7 | PEDWPRPG999009 | FPSO - TYPICAL DETAILS - P&ID 3 |
| 8 | PESDPITS999120 | TOPSIDES - PIPING DETAIL - SPECIFICATION |

| LEGEND | |
|--------|--------------------------------|
| | CLOUD INDICATING ITEMS ON HOLD |

| HOLDS | |
|------------------------------------------------------------------------------------------------------|--------------------|
| ID | DESCRIPTION |
| 1 | VENDOR INFORMATION |
| <div style="border: 2px solid black; padding: 10px; width: fit-content; margin: 0 auto;">TS005</div> | |

| Revision | Date (dd-MMM-yy) | Description of revision | Prepared by | Engineering checked by | Approved by LE | Approved by EPM |
|----------|------------------|---------------------------|-------------|------------------------|----------------|-----------------|
| C1 | 12-MAY-12 | FOR COMMENTS AND APPROVAL | Lad | Bnh | Vra | Cem |
| 11 | 20-JAN-12 | INTER DISCIPLINE CHECKING | Rep | Bnh | Vra | Cem |

SBM OFFSHORE
Engineering Subcontractor to:
SINGAPORE OFFSHORE INC.
P.O. Box 152
S. Road 061 F16043
CH-1723 Masdar
Singapore
Tel: +41 28 439 99 20
Fax: +41 28 439 99 39
www.sbmoffshore.com

© Copyright SBM Offshore N.V. 2012
Copyright by SBM Offshore N.V. or any of its subsidiaries.
This document is the property of SBM Offshore N.V. or any of its subsidiaries. This document or any part thereof is CONFIDENTIAL and may not be made known, copied, published, or used in any other way without the permission of SBM Offshore N.V. or any of its subsidiaries.

PETROBRAS NETHERLANDS B.V.

| | |
|---------|--------------------------|
| Client | PETROBRAS NETHERLANDS BV |
| Project | FPSO CIDADE DE ILHABELA |

| | |
|-------|-------------------------------------------------|
| Title | TOPSIDES HELICOPTER REFUELING SYSTEM P&ID |
|-------|-------------------------------------------------|

| | | | | | | | | | | | | | |
|--------|----|-------------------|--|-------|--------|----------------|----------|-----------------|---------------|------------------|-------|----------|----|
| Format | A1 | Projection Method | | Scale | N.T.S. | Project Number | HI 39520 | Document Number | PEDWPTS004001 | Sheet No./Sheets | 1 / 1 | Revision | C1 |
|--------|----|-------------------|--|-------|--------|----------------|----------|-----------------|---------------|------------------|-------|----------|----|