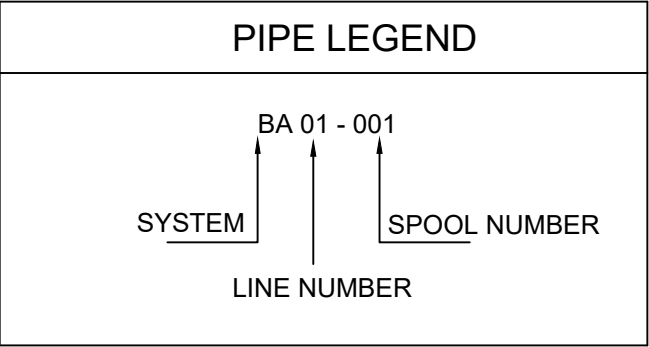




SPOOL INDEX SHEET					
SPOOL NAME	SHEET NO	DRAWN	DATE	REVISION	REMARKS
SPOOL INDEX SHEET	i		29-10-2024	B	
BA01-001	1		29-10-2024	C	Adjustable Spool with extra length
BA01-002	2		29-10-2024	B	
BA01-003	3		29-10-2024	B	
BA01-004	4		29-10-2024	B	
BA01-005	5		29-10-2024	C	Adjustable Spool with extra length
BA01-006	6		29-10-2024	B	
BA01-007	7		29-10-2024	B	
BA01-008	8		29-10-2024	B	
BA01-009	9		29-10-2024	B	
BA01-010	10		29-10-2024	B	
BA01-011	11		29-10-2024	B	
BA01-012	12		29-10-2024	B	
BA01-013	13		29-10-2024	C	Adjustable Spool with extra length
BA01-014	14		29-10-2024	B	
BA01-015	15		29-10-2024	B	
BA01-016	16		29-10-2024	B	
BA01-017	17		29-10-2024	B	
BA01-018	18		29-10-2024	B	
BA01-019	19		29-10-2024	B	
BA01-020	20		29-10-2024	B	
BA02-001	21		29-10-2024	B	
BA02-002	22		29-10-2024	B	
BA02-003	23		29-10-2024	B	
BA03-001	24		29-10-2024	B	
BA03-002	25		29-10-2024	D	
BA03-003	26		29-10-2024	B	
BA03-004	27		29-10-2024	B	
BA03-005	28		29-10-2024	B	
BA03-006	29		29-10-2024	B	
BA03-007	30		29-10-2024	B	
BA03-008	31		29-10-2024	B	
BA03-009	32		29-10-2024	B	
BA03-010	33		29-10-2024	B	
BA03-011	34		29-10-2024	C	Adjustable Spool with extra length
BA03-012	35		29-10-2024	C	Adjustable Spool with extra length
BA03-013	36		29-10-2024	B	
BA03-014	37		29-10-2024	B	
BA03-015	38		29-10-2024	B	
BA03-016	39		29-10-2024	C	Adjustable Spool with extra length
BA03-017	40		29-10-2024	B	
BA03-018	41		29-10-2024	C	Adjustable Spool with extra length

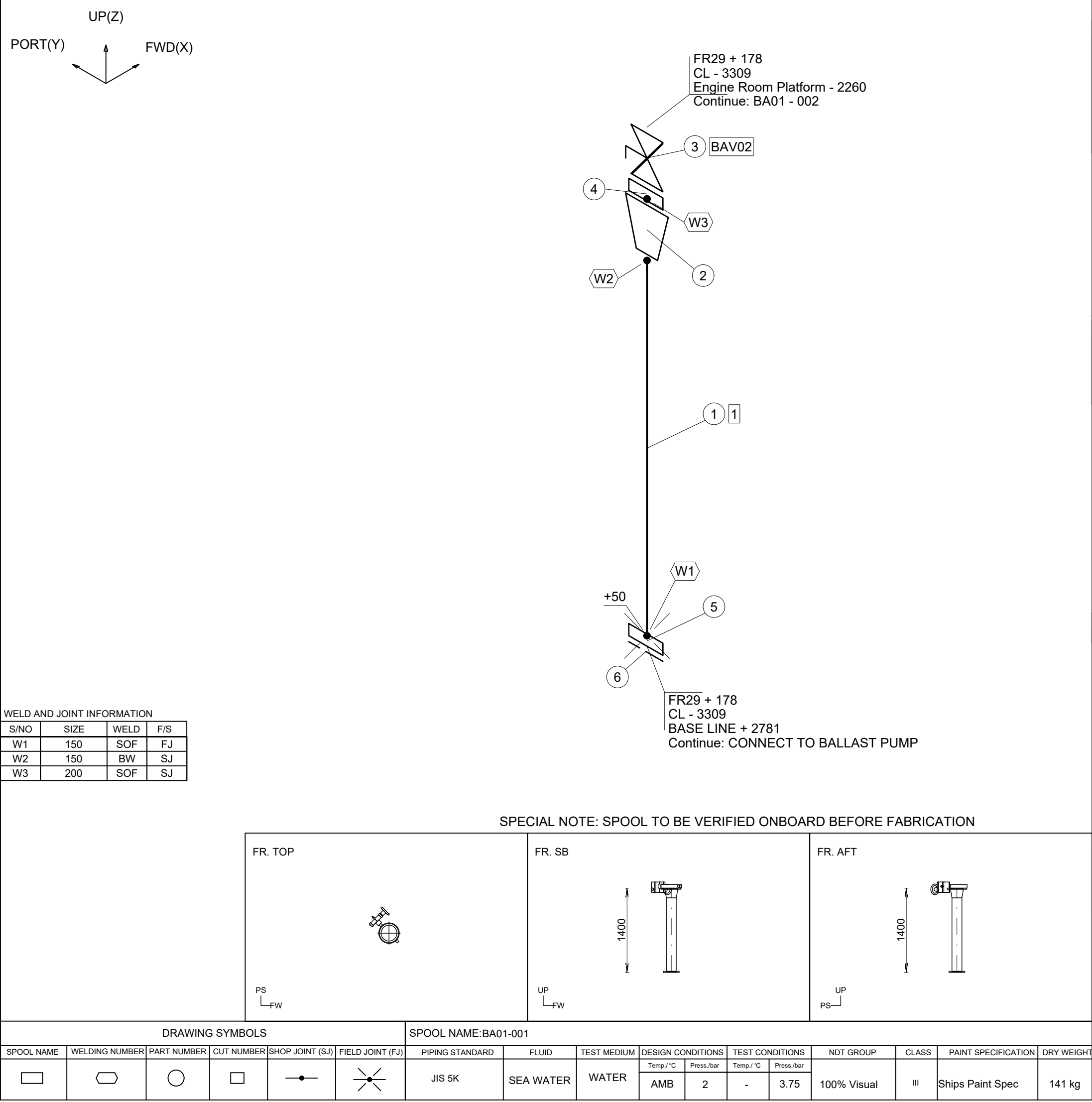
BA03-019	42		28-10-2024	C	Adjustable Spool with extra length
BA03-020	43		25-10-2024	B	
BA05-001	44		25-10-2024	B	
BA05-002	45		25-10-2024	B	
BA06-001	46		25-10-2024	B	
BA06-002	47		25-10-2024	B	
BA06-003	48		25-10-2024	B	
BA06-004	49		25-10-2024	B	
BA06-005	50		25-10-2024	B	
BA06-006	51		25-10-2024	B	
BA06-007	52		25-10-2024	B	
BA06-008	53		28-10-2024	C	Adjustable Spool with extra length
BA06-009	54		28-10-2024	C	
SAMPLING PORT	55		25-10-2024	B	





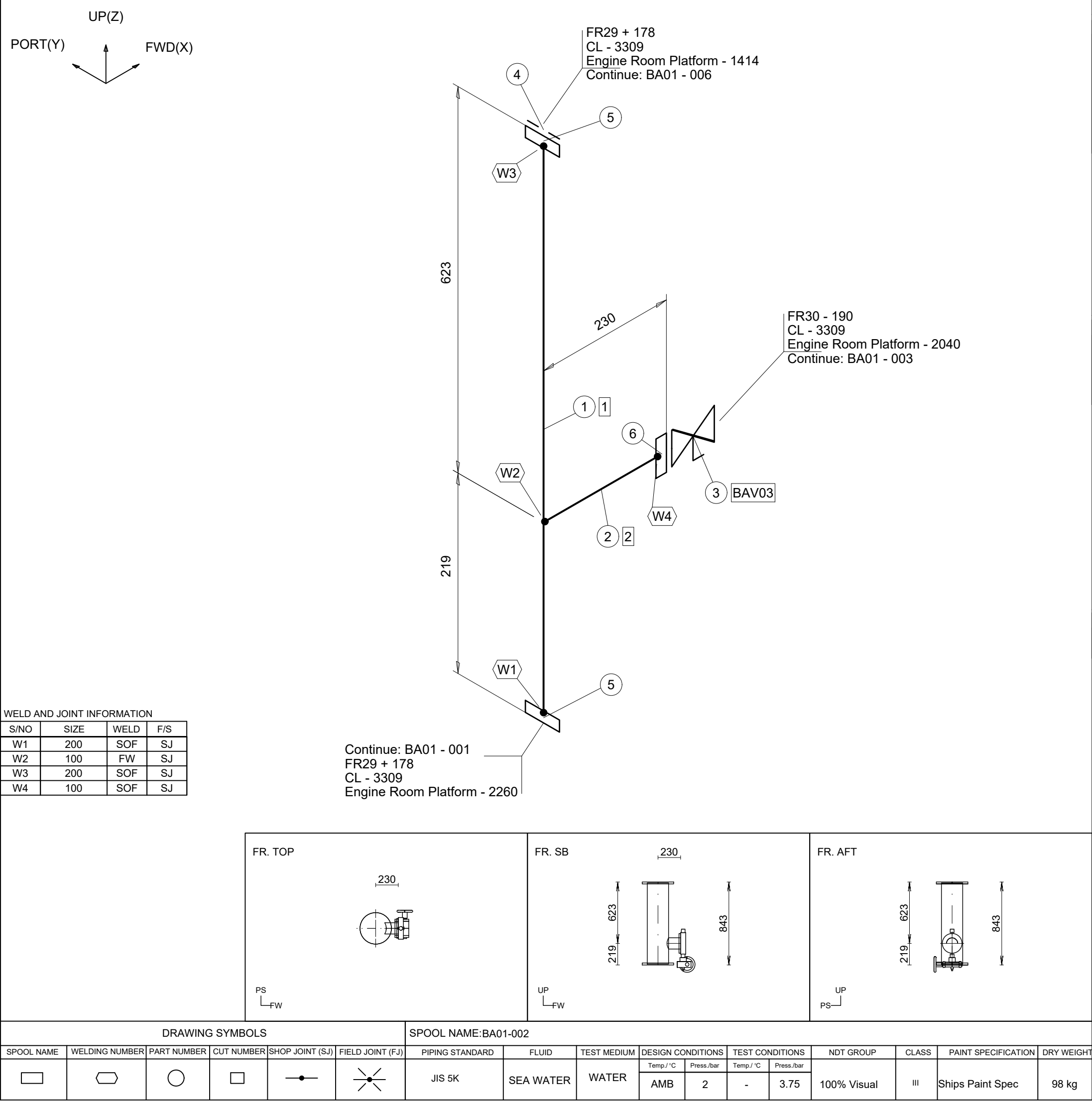
REFERENCE DOCUMENTS:

- 1.GSPL-P1513-PI-0001 BWTS Piping Schematic
- 2.GSPL-P1513-PI-0003 Compressed Air System Piping Schematic
- 3.GSPL-P1513-PI-0004 Sanitary & F.W Service System Piping Schematic
- 4.GSPL-P1513-PI-0201 Piping Arrangement Drawing for BWTS (1" & Above)

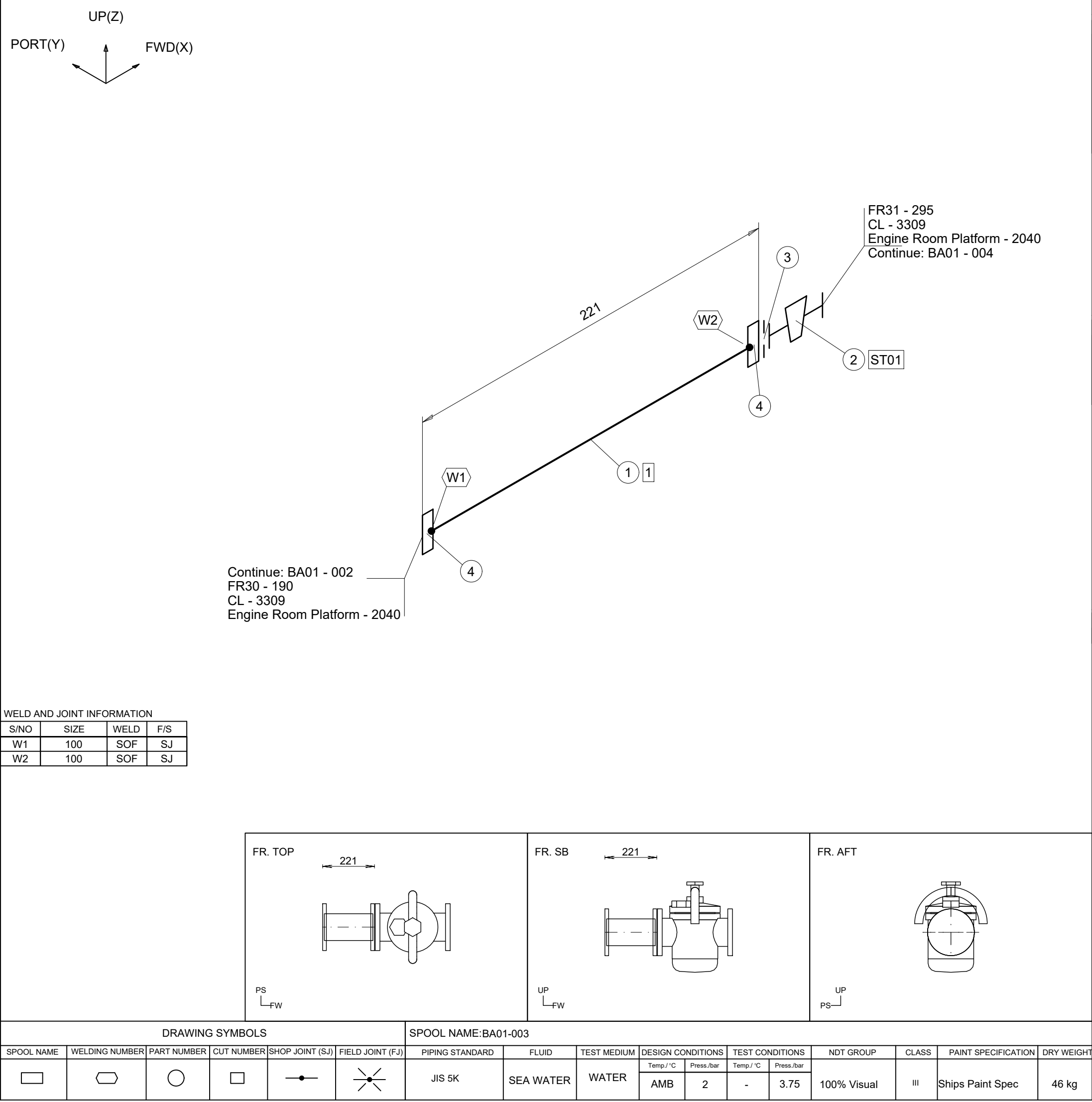
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A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
		Designed By:			
Client: Orkim Ship Management		BWTS Maker :		LeesGreen	
Location: -		IMO No.:		9546825	
Project No: P1513		Project Name:		ORKIM POWER	
Drawing title:					
PIPING SPOOL DRAWING FOR BWTS (1" & ABOVE)					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	i	GSPL-P1513-PI-0301		D





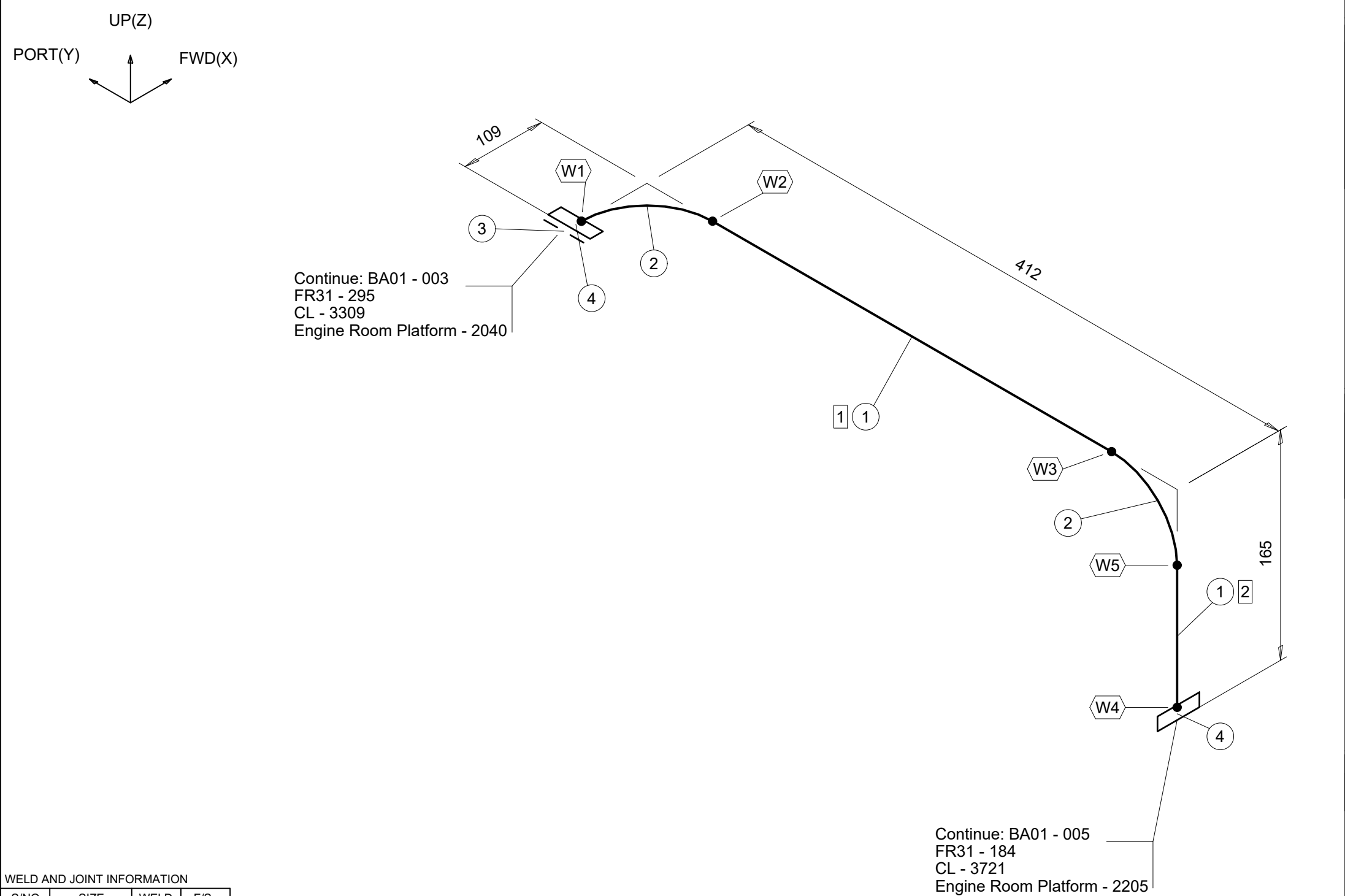
FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.28	Pipe Seamless, BW	150A Sch80	STPG370	41.80	
2	1		Reducer Concentric, BW	200A x 150A Sch80	PG 370	8.61	
4	1		Flange SOFF	200A JIS5K	SS 400	6.33	
5	1		Flange SOFF	150A JIS5K	SS 400	4.41	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Butterfly Valve		200A JIS 5K	-	68.00	
6	1	Gasket, JIS5K, Thk 3mm		150A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			150A Sch80	STPG370	1278	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
C	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
		Designed By:					
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen					
Location: -		IMO No.: 9546825					
Project No: P1513		Project Name: ORKIM POWER					
Drawing title:							
SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	01/55	BA01			C	



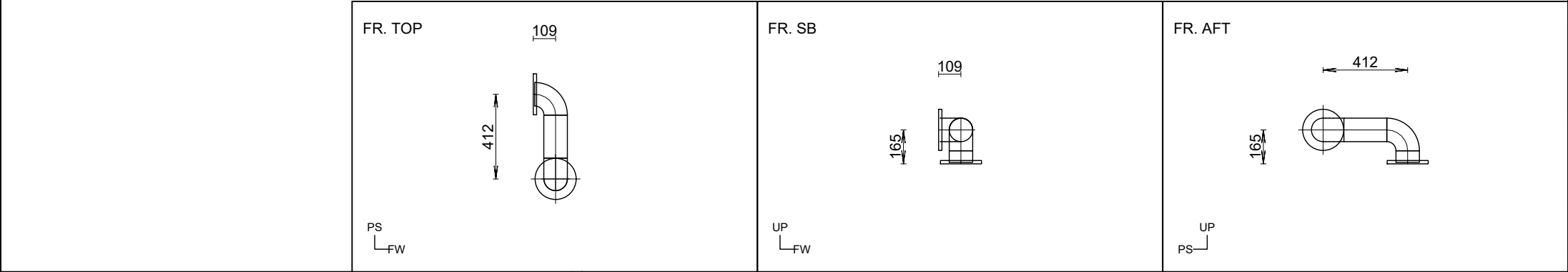
FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.82	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2		0.13	Pipe Seamless, BW	100A Sch80	STPG370	22.40	
5	2		Flange SOFF	200A JIS5K	SS 400	6.33	
6	1		Flange SOFF	100A JIS5K	SS 400	2.39	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Butterfly Valve		100A JIS 5K	-	27.00	
4	1	Gasket, JIS5K, Thk 3mm		200A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	823	
2	Pipe Seamless, BW			100A Sch80	STPG370	132	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:			
				<div><div><div></div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>			
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen			
Location: -				IMO No.: 9546825			
Project No: P1513				Project Name: ORKIM POWER			
Drawing title:							
SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	02/55	BA01			B	











FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.21	Pipe Seamless, BW	100A Sch80	STPG370	22.40	
4	2		Flange SOFF	100A JIS5K	SS 400	2.39	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
2	1	Simplex Strainer		100A JIS5K	STEEL	35.60	
3	1	Gasket, JIS5K, Thk 3mm		100A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			100A Sch80	STPG370	208	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By: 				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title: SPOOL-DRAWING FOR PIPE BA01							
Scale N.T.S	Format A3	Sheet 03/55	Drawing No: BA01			Revision No. B	

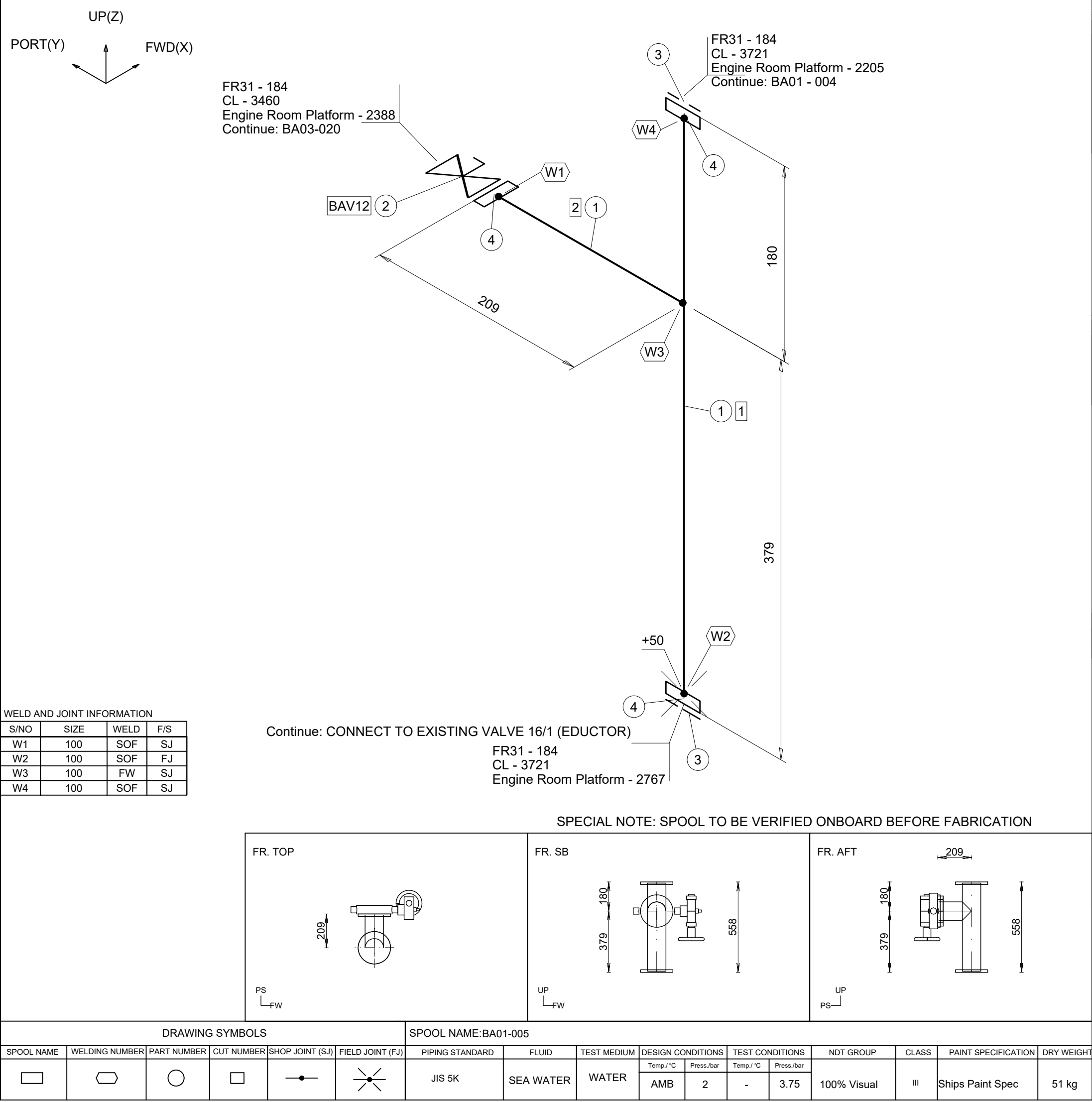


WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	100	SOF	SJ
W2	100	BW	SJ
W3	100	BW	SJ
W4	100	SOF	SJ
W5	100	BW	SJ

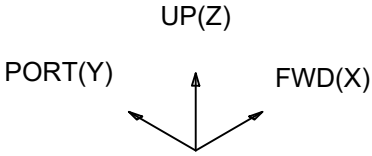


DRAWING SYMBOLS						SPOOL NAME:BA01-004										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	18 kg
									AMB	2	-	3.75				

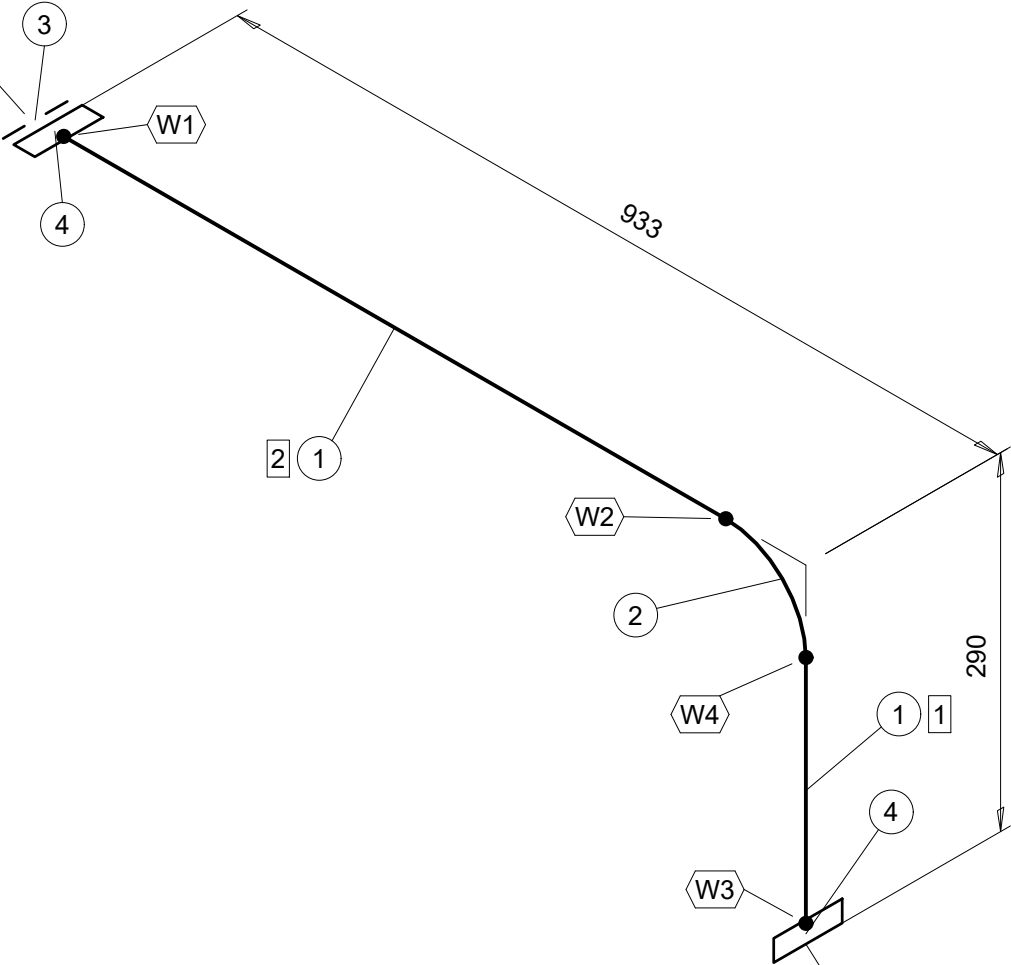
FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.27	Pipe Seamless, BW	100A Sch80	STPG370	22.40	
2	2		Elbow 90Deg. SR, BW	100A Sch80	PG 370	3.60	
4	2		Flange SOFF	100A JIS5K	SS 400	2.39	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Gasket, JIS5K, Thk 3mm		100A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			100A Sch80	STPG370	209	
2	Pipe Seamless, BW			100A Sch80	STPG370	57	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By: 				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title: SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	04/55	BA01			B	



FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.79	Pipe Seamless, BW	100A Sch80	STPG370	22.40	
4	3		Flange SOFF	100A JIS5K	SS 400	2.39	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
2	1	Butterfly Valve		100A JIS 5K	-	27.00	
3	2	Gasket, JIS5K, Thk 3mm		100A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			100A Sch80	STPG370	595	
2	Pipe Seamless, BW			100A Sch80	STPG370	200	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
C	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:			<div><div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen			
Location: -				IMO No.: 9546825			
Project No: P1513				Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	05/55	BA01			C	



FR29 + 178  
CL - 2373  
Engine Room Platform - 1124  
Continue: BA01 - 007



Continue: BA01 - 002  
FR29 + 178  
CL - 3309  
Engine Room Platform - 1414

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.80	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
4	2		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	77
2	Pipe Seamless, BW	200A Sch80	STPG370	720

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

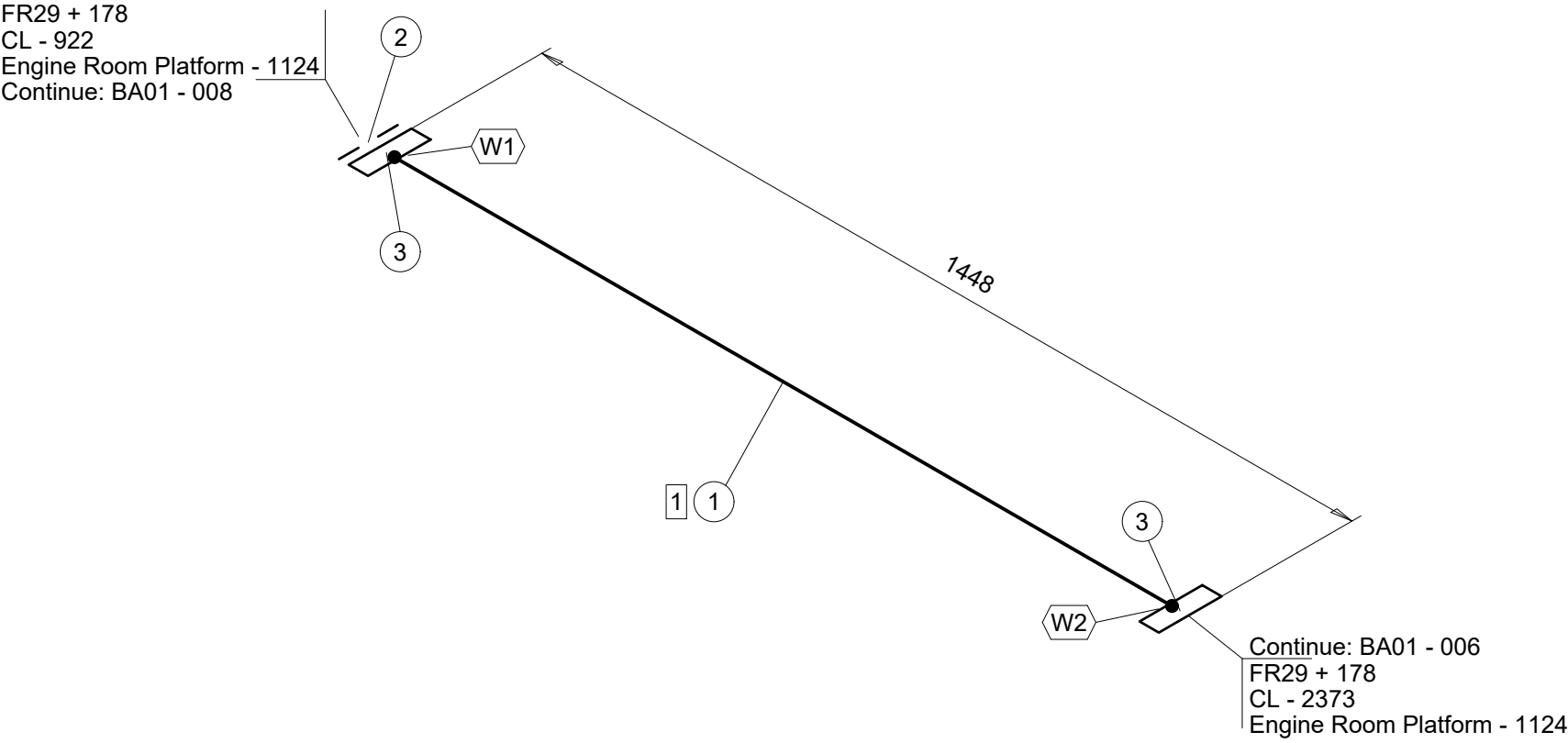
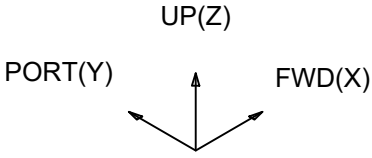
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Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			

Drawing title:

SPOOL-DRAWING FOR PIPE BA01

Scale	Format	Sheet	Drawing No:	Revision No.	
N.T.S	A3	06/55	BA01	B	





FABRICATION MATERIAL					
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL
1		1.43	Pipe Seamless, BW	200A Sch80	STPG370
3	2		Flange SOFF	200A JIS5K	SS 400

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION		SIZE	MATERIAL
2	1	Gasket, JIS5K, Thk 3mm		200A	CNAF

CUT INFORMATION				
CUT NO.	DESCRIPTION		SIZE	CUT LENGTH (mm)
1	Pipe Seamless, BW		200A Sch80	1429







NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	SOF	SJ

FR. TOP

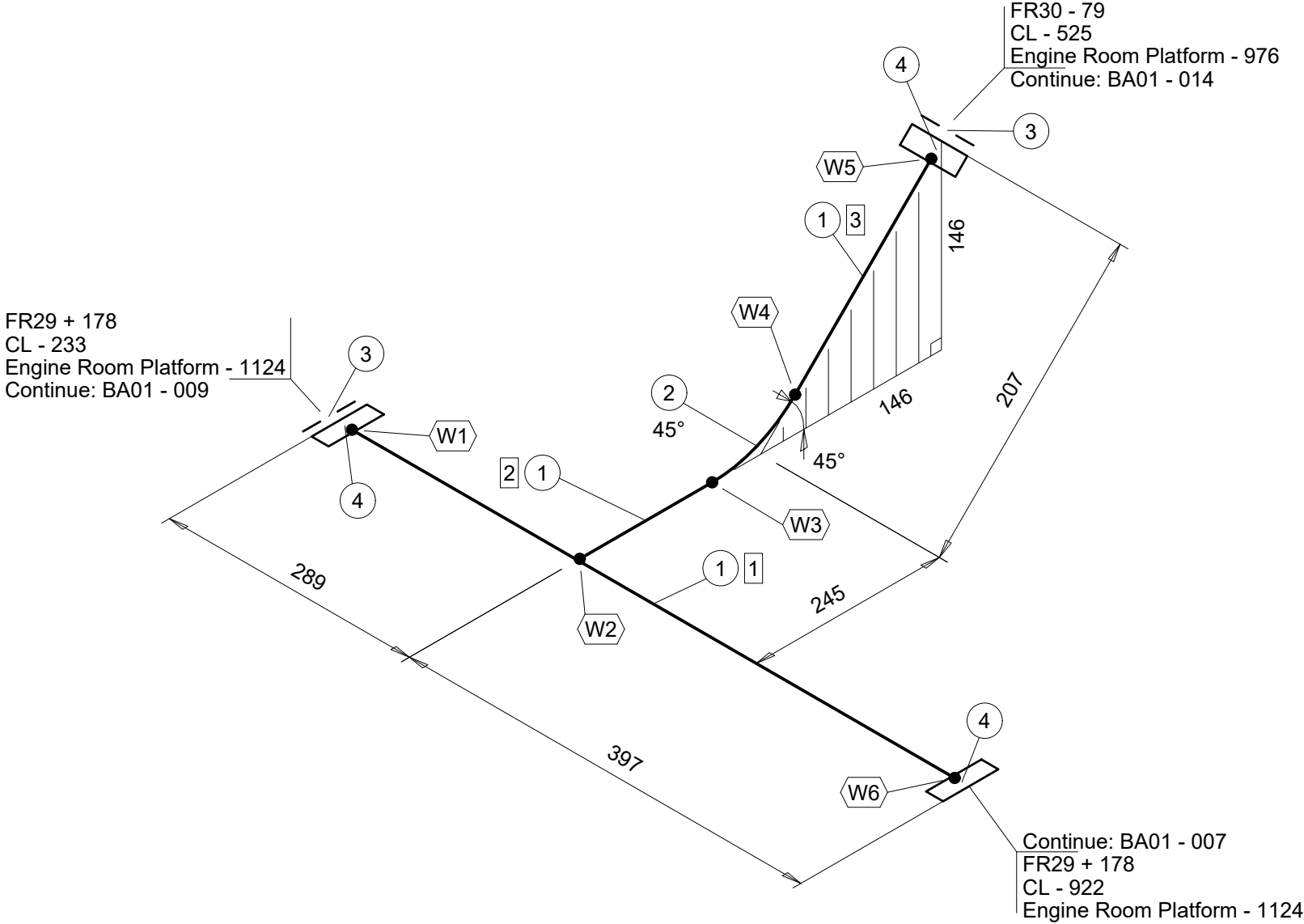
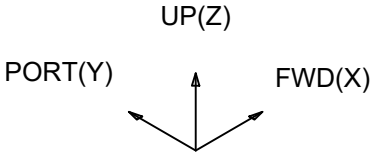
FR. SB

FR. AFT

DRAWING SYMBOLS						SPOOL NAME:BA01-007										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	104 kg
									AMB	2	-	3.75				

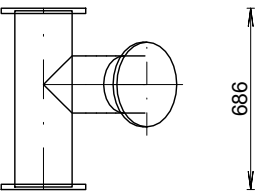
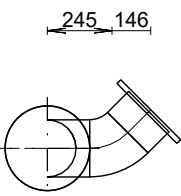
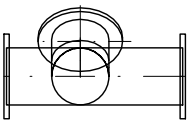






B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA01					
Scale	Format	Sheet	Drawing No:		
N.T.S	A3	07/55	BA01		
					Revision No.
					B

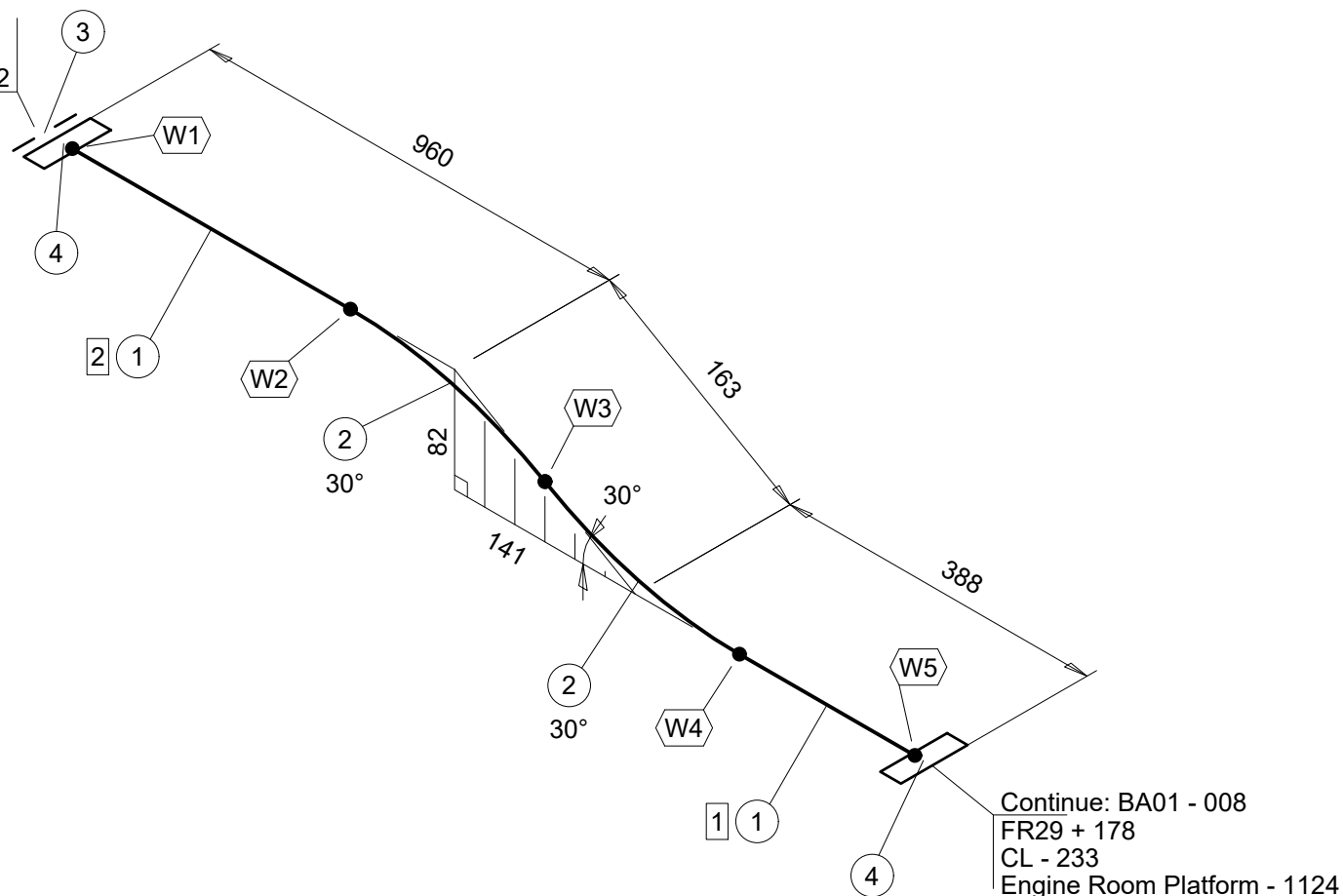
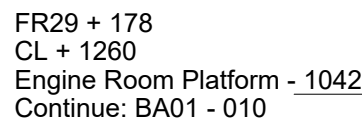




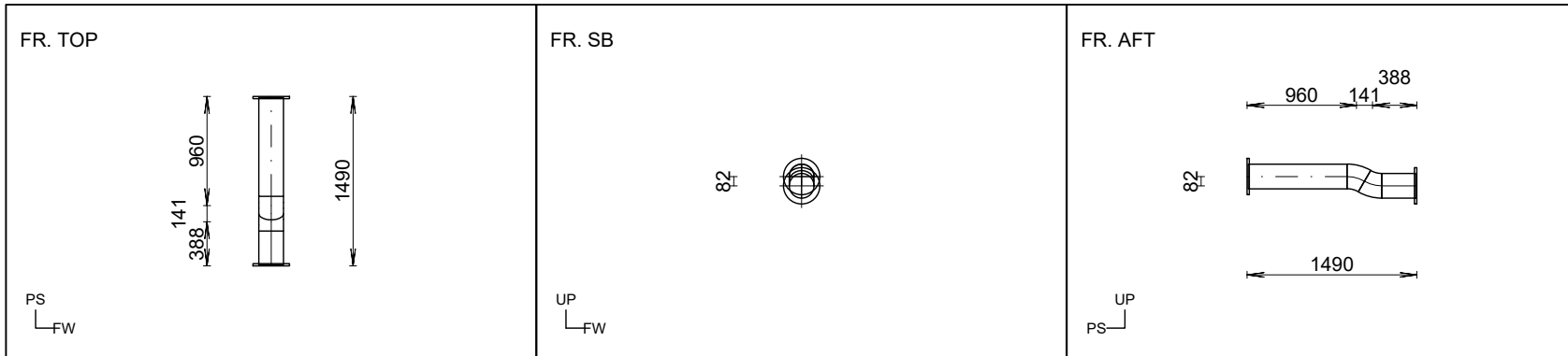
FABRICATION MATERIAL								
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)		
1		0.94	Pipe Seamless, BW	200A Sch80	STPG370	63.80		
2	1		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97		
4	3		Flange SOFF	200A JIS5K	SS 400	6.33		
ERECTION MATERIAL								
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)		
3	2	Gasket, JIS5K, Thk 3mm		200A	CNAF			
CUT INFORMATION								
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)		
1	Pipe Seamless, BW			200A Sch80	STPG370	667		
2	Pipe Seamless, BW			200A Sch80	STPG370	161		
3	Pipe Seamless, BW			200A Sch80	STPG370	113		
NOTES:								
1. ALL DIMENSIONS ARE IN MILLIMETERS.								
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.								
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.								
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.								
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD	
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div><div>YFMARINE</div></div></div>				Designed By:			<div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div>Goltens</div> <div>Singapore Pte Ltd.</div>	
Client: Orkim Ship Management				BWTS Maker Name:			LeesGreen	
Location: -				IMO No.:			9546825	
Project No: P1513				Project Name:			ORKIM POWER	
Drawing title:								
SPOOL-DRAWING FOR PIPE BA01								
Scale	Format	Sheet	Drawing No:				Revision No.	
N.T.S	A3	08/55	BA01				B	







WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	FW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	SOF	SJ
W6	200	SOF	SJ

<div>FR. TOP</div> <div><div><div>245146</div><div>289</div><div>397</div><div>686</div><div>391</div><div>PSFW</div></div><div></div></div>						<div>FR. SB</div> <div><div><div>245146</div><div>146</div><div>391</div><div>UPFW</div></div><div></div></div>						<div>FR. AFT</div> <div><div><div>289397</div><div>146</div><div>686</div><div>PSUP</div></div><div></div></div>					
DRAWING SYMBOLS						SPOOL NAME:BA01-008											
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT	
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	82 kg	
									AMB	2	-	3.75					



S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	SOF	SJ




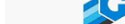
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SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	107 kg
									AMB	2	-	3.75				

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	297
2	Pipe Seamless, BW	200A Sch80	STPG370	869

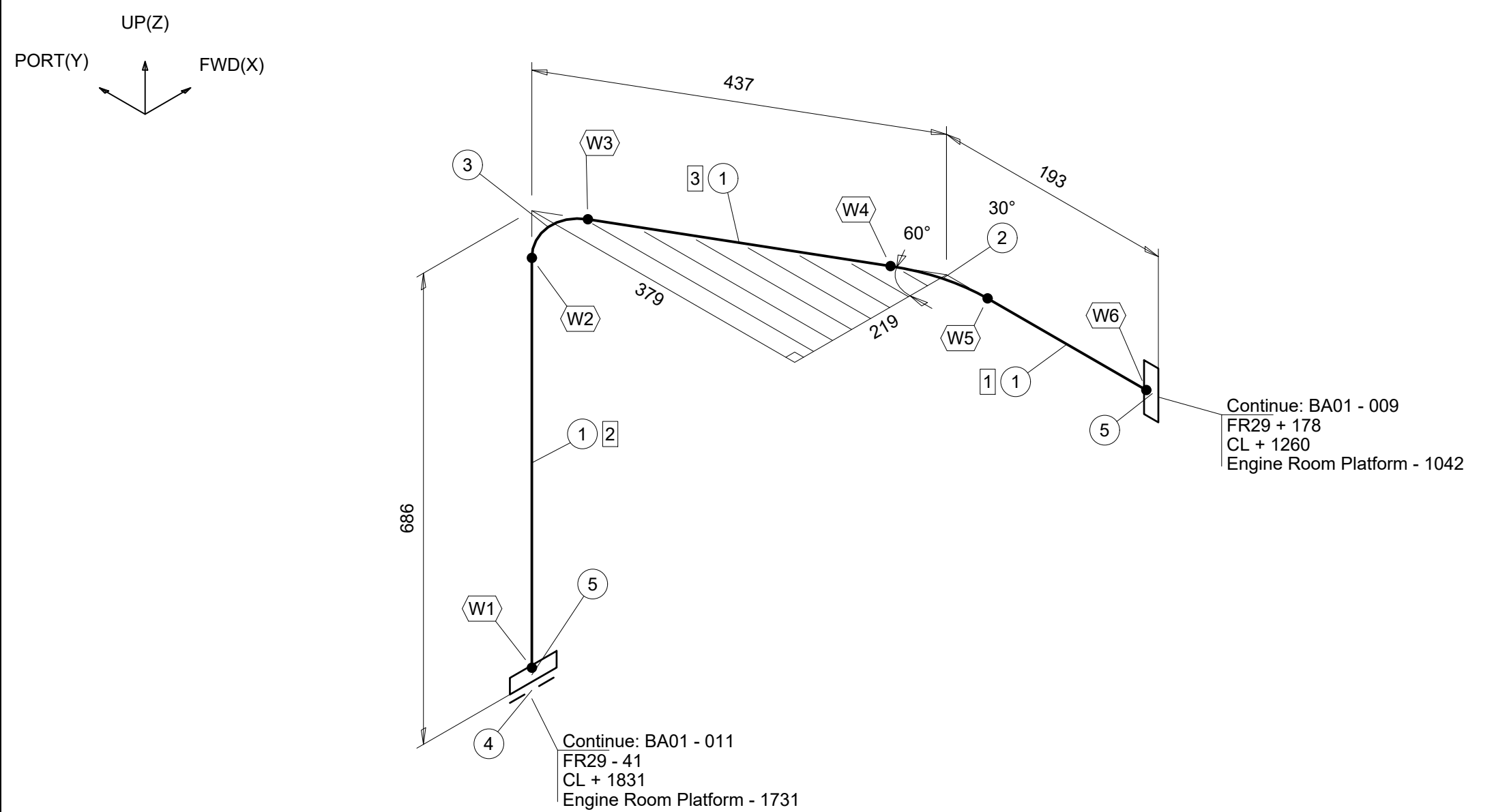
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

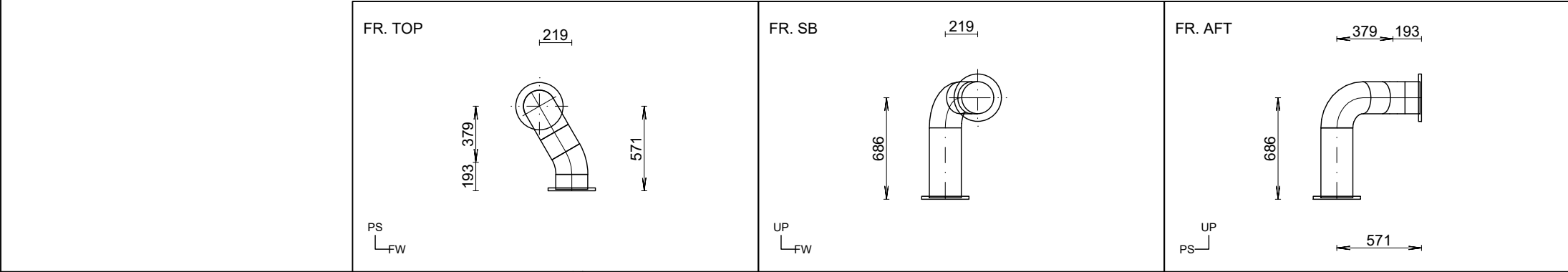
		Designed By: 	
Client:	Orkim Ship Management	BWTS Maker Name:	LeesGreen
Location:	-	IMO No.:	9546825
Project No:	P1513	Project Name:	ORKIM POWER







Drawing title: <b>SPOOL-DRAWING FOR PIPE BA01</b>				
Scale N.T.S	Format A3	Sheet 09/55	Drawing No:  <b>BA01</b>	Revision No.  <b>B</b>





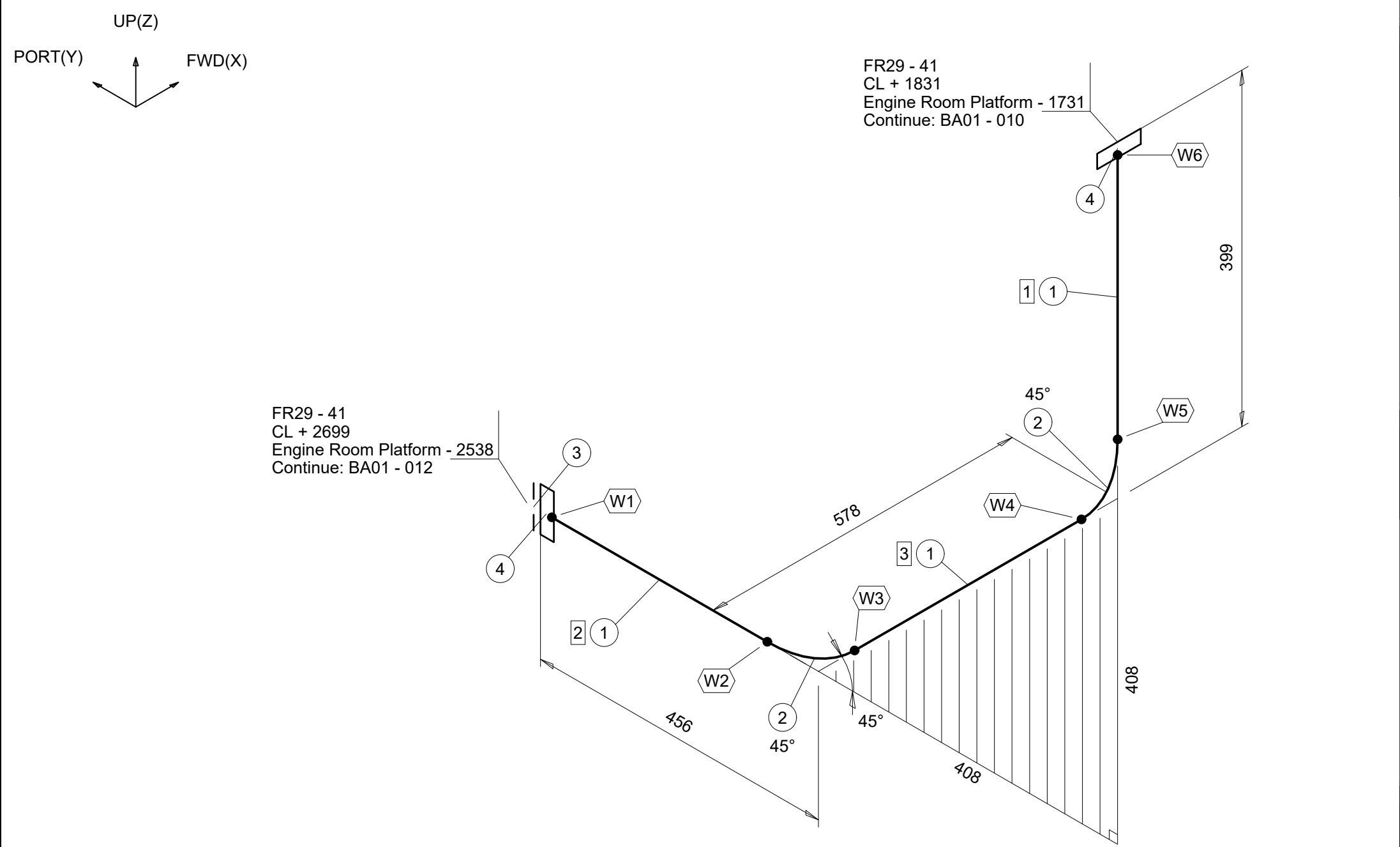
WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ



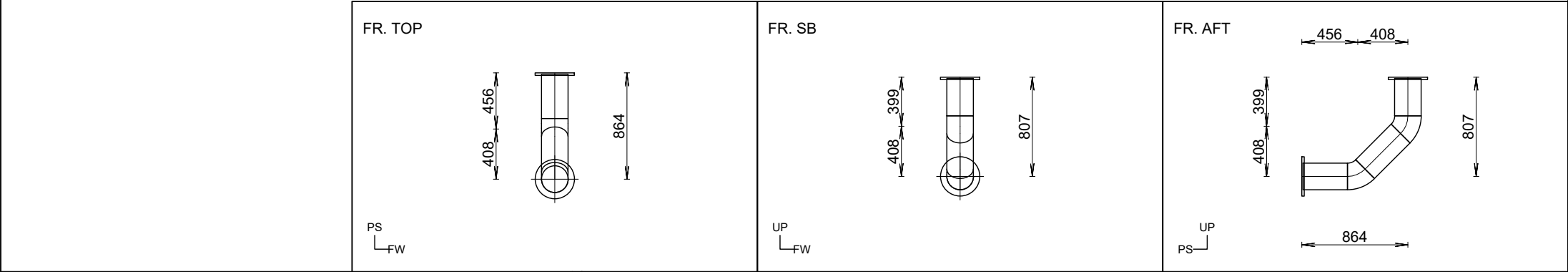
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SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	89 kg
									AMB	2	-	3.75				







FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.73	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 30Deg. LR, BW	200A Sch80	PG 370	9.97
3	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
5	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	101
2	Pipe Seamless, BW			200A Sch80	STPG370	473
3	Pipe Seamless, BW			200A Sch80	STPG370	153
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
				Designed By: 		
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen			
Location: -			IMO No.: 9546825			
Project No: P1513			Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA01						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	10/55	BA01			B





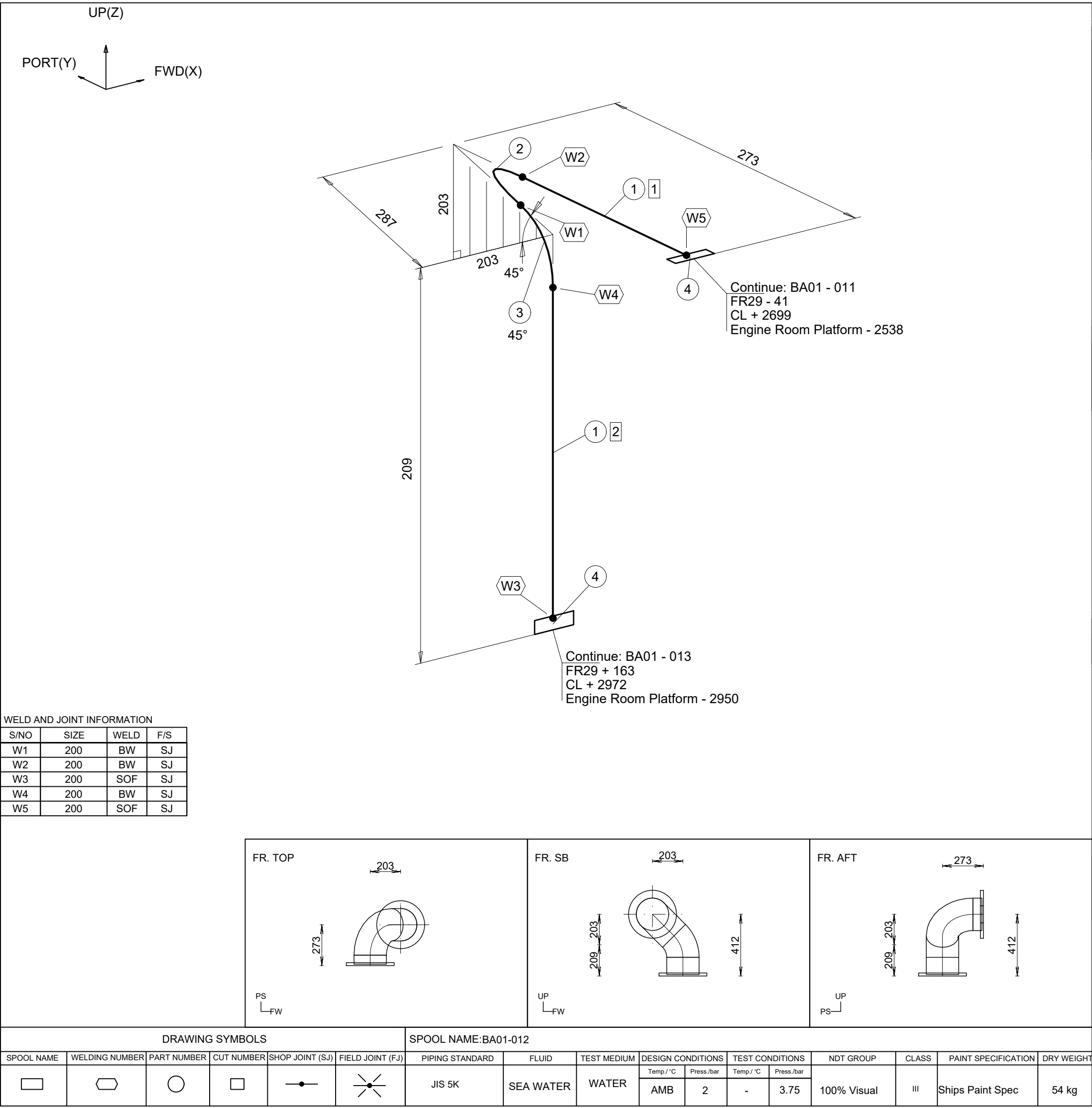
WELD AND JOINT INFORMATION



S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ

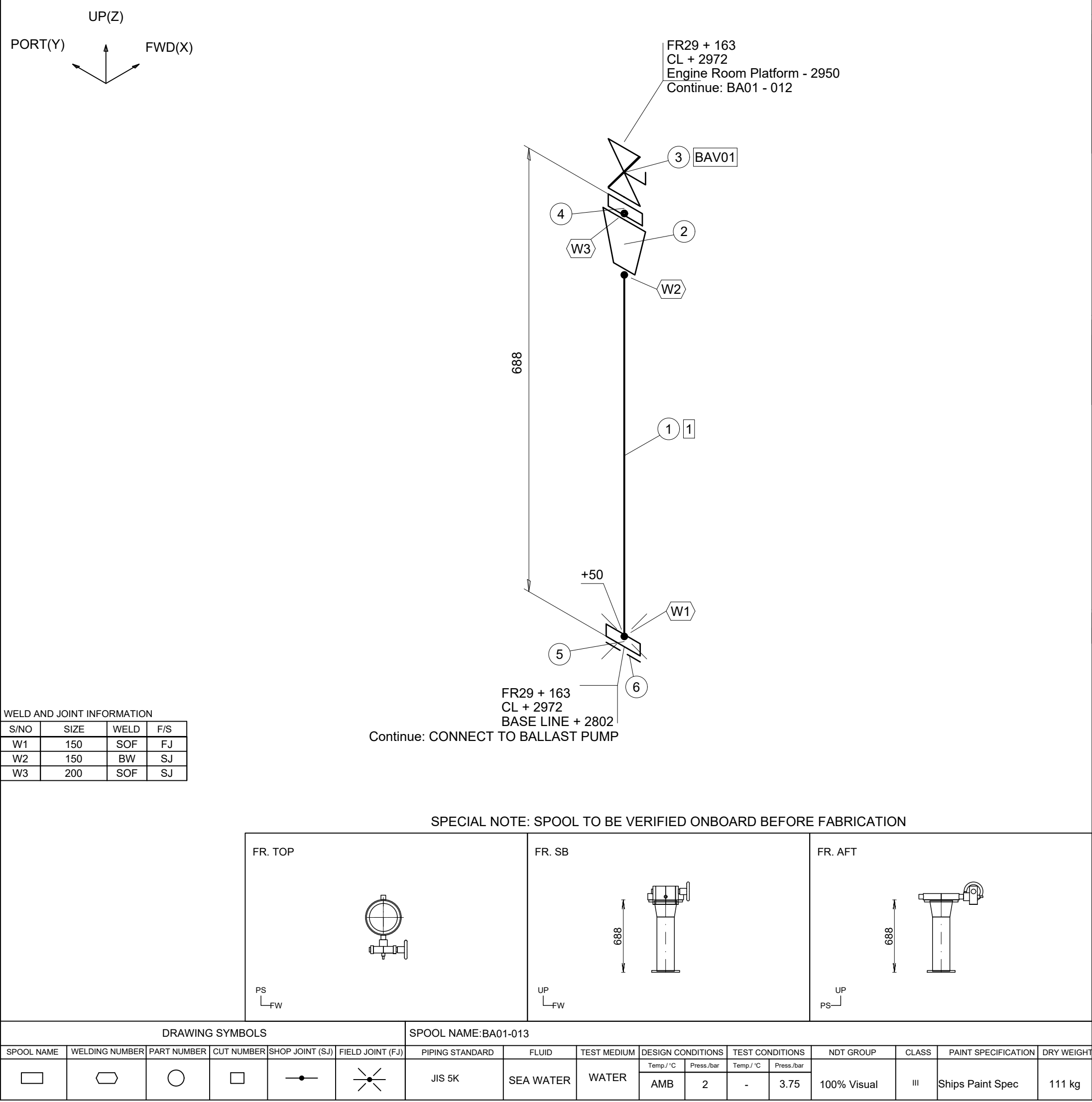


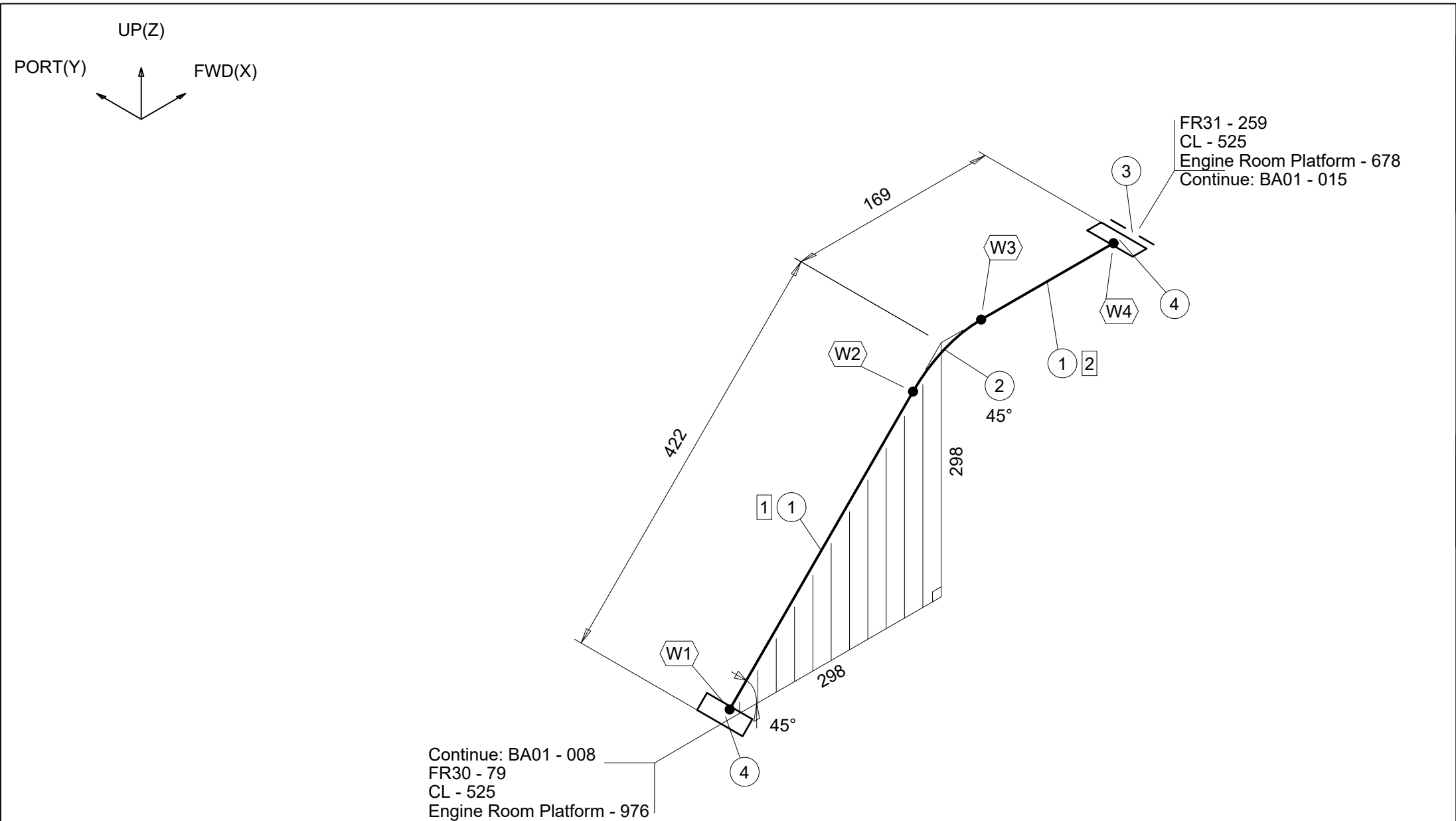
DRAWING SYMBOLS						SPOOL NAME:BA01-011										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	102 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.08	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	2		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97
4	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	305
2	Pipe Seamless, BW			200A Sch80	STPG370	362
3	Pipe Seamless, BW			200A Sch80	STPG370	410
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION		DRAWN BY	CHKD BY	APPRD
			Designed By: 			
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen			
Location: -			IMO No.: 9546825			
Project No: P1513			Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA01						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	11/55	BA01			B



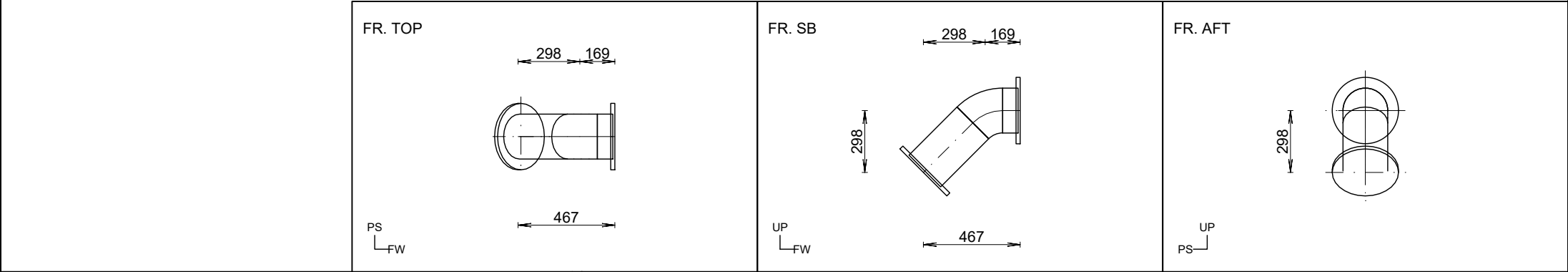
FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.17	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90	
3	1		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97	
4	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	61	
2	Pipe Seamless, BW			200A Sch80	STPG370	115	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By: 				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	12/55	BA01			B	













WELD AND JOINT INFORMATION

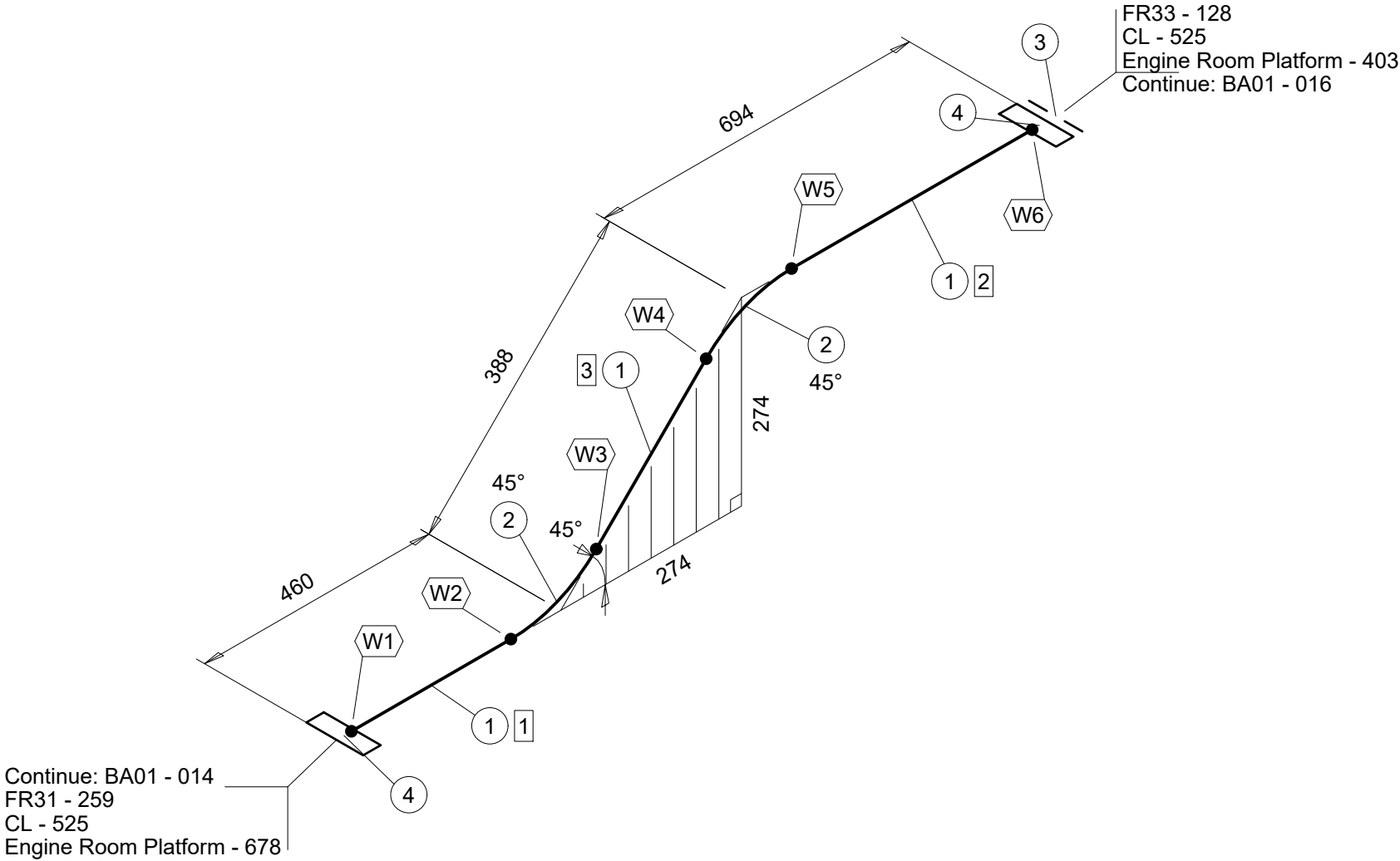
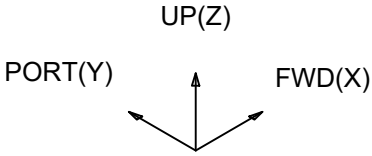
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA01-014										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	49 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.40	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	1		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97	
4	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Gasket, JIS5K, Thk 3mm		200A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	328	
2	Pipe Seamless, BW			200A Sch80	STPG370	75	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By:				
							
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA01							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	14/55	BA01			B	





FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.18	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	2		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97
4	2		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION		SIZE	CUT LENGTH (mm)
1	Pipe Seamless, BW		200A Sch80	366
2	Pipe Seamless, BW		200A Sch80	600
3	Pipe Seamless, BW		200A Sch80	220

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

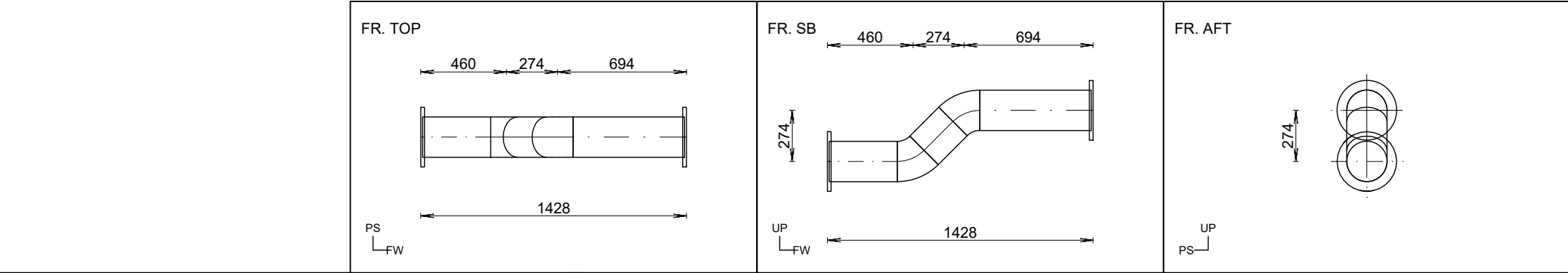
		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location: -		IMO No.:		9546825	
Project No: P1513		Project Name:		ORKIM POWER	







Drawing title:					
SPOOL-DRAWING FOR PIPE BA01					

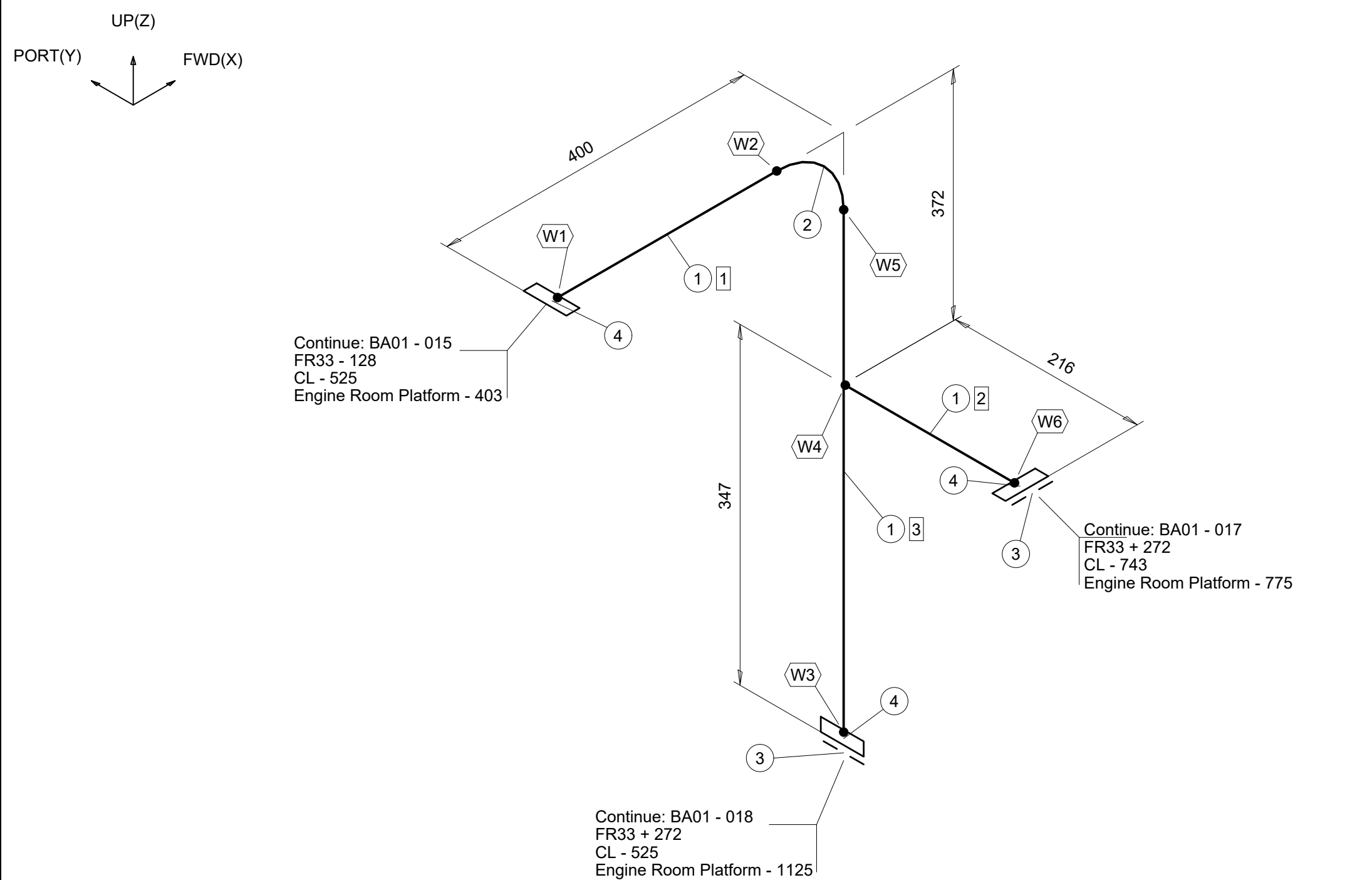
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N.T.S	A3	15/55		BA01	B

WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA01-015										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	109 kg
									AMB	2	-	3.75				









WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	SOF	SJ
W4	200	FW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ

FR. TOP

FR. SB

FR. AFT

DRAWING SYMBOLS						SPOOL NAME:BA01-016										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	90 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL

PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.90	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
4	3		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL

PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	2	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION

CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	187
2	Pipe Seamless, BW	200A Sch80	STPG370	206
3	Pipe Seamless, BW	200A Sch80	STPG370	506

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

Designed By:

Client: Orkim Ship Management

BWTS Maker Name: LeesGreen

Location: -

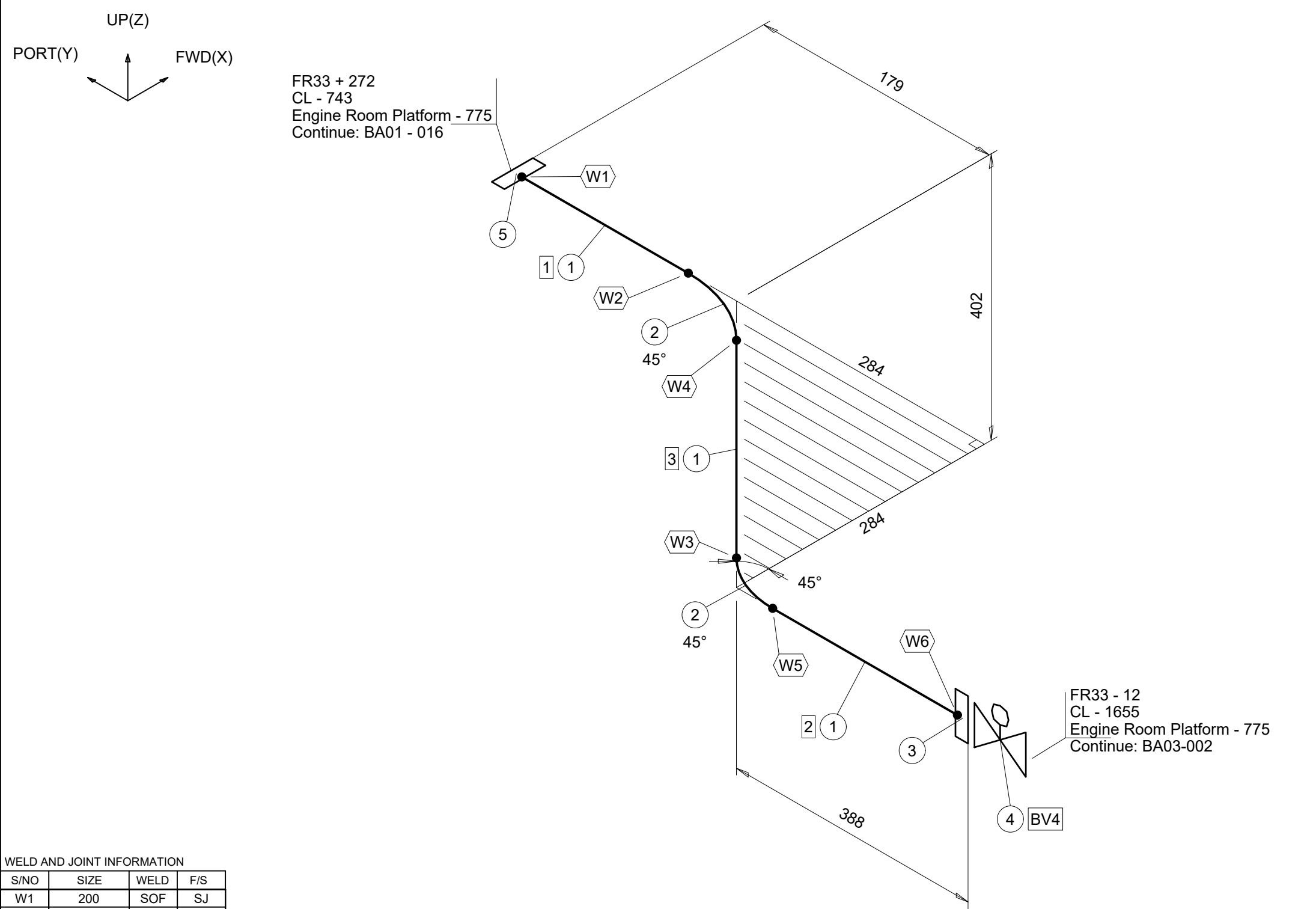
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Project No: P1513

Project Name: ORKIM POWER

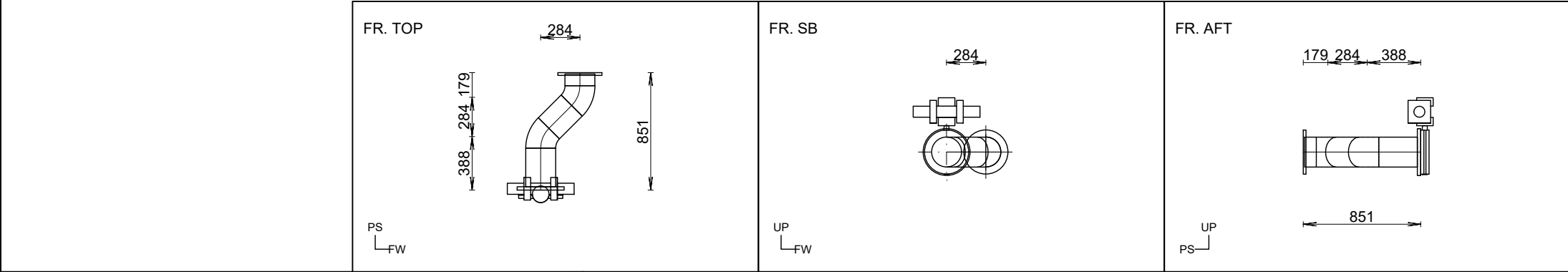
Drawing title: SPOOL-DRAWING FOR PIPE BA01







Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	16/55	BA01	B



WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA01-017										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	120 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.61	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	2		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97
3	1		Flange SOFF	DN200 PN10	Carbon Steel	9.31
5	1		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL

PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Butterfly Valve	DN200 PN10		45.10

CUT INFORMATION

CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	85
2	Pipe Seamless, BW	200A Sch80	STPG370	290
3	Pipe Seamless, BW	200A Sch80	STPG370	234



NOTES:

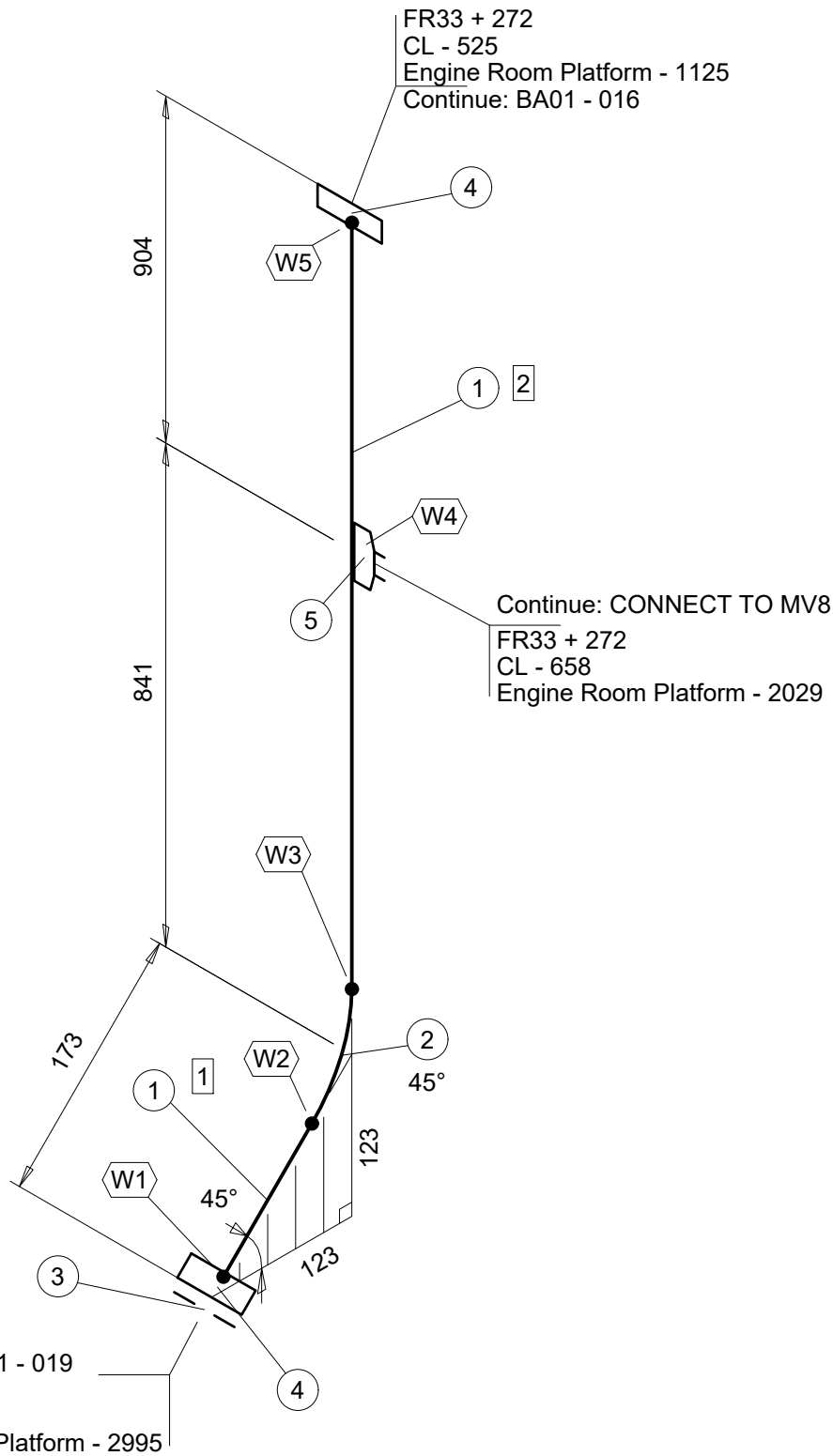
1. ALL DIMENSIONS ARE IN MILLIMETERS.

2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
		Designed By: 			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA01					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	17/55	BA01		B



WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	15	BRN	SJ
W5	200	SOF	SJ

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.73	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97
4	2		Flange SOFF	200A JIS5K	SS 400	6.33
5	1		Female boss G1/2 with male connector G1/2	-	CS	0.15


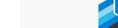
ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	80
2	Pipe Seamless, BW	200A Sch80	STPG370	1651







NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

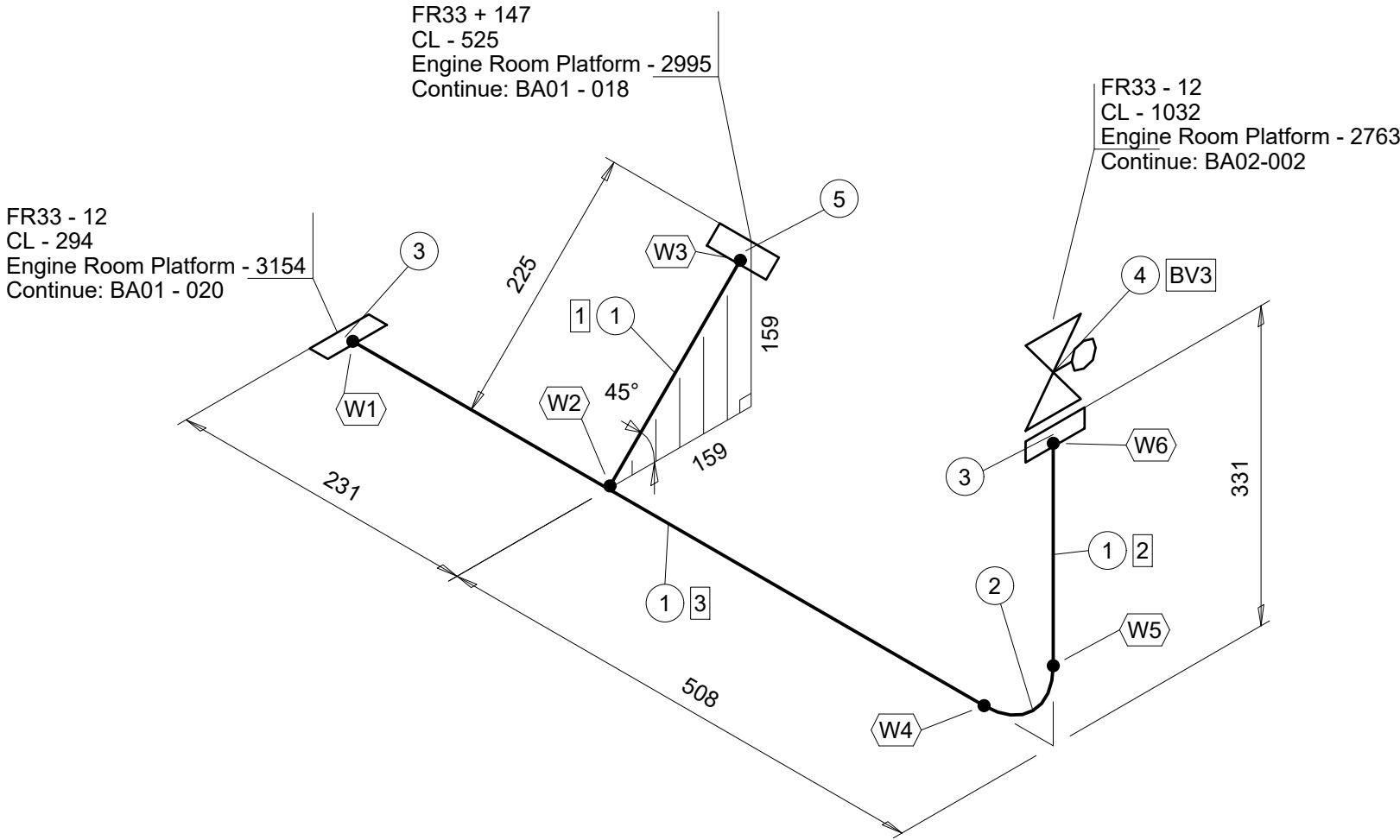
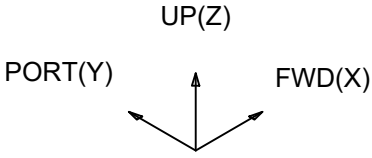
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A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

		Designed By: 	
Client:	Orkim Ship Management	BWTS Maker Name:	LeesGreen
Location:	-	IMO No.:	9546825
Project No:	P1513	Project Name:	ORKIM POWER

Drawing title:	SPOOL-DRAWING FOR PIPE BA01
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DRAWING SYMBOLS						SPOOL NAME:BA01-018										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	134 kg
									AMB	2	-	3.75				

Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	18/55	BA01	B



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.85	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	2		Flange SOFF	DN200 PN10	Carbon Steel	9.31
5	1		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION		SIZE	UNIT Wt. (kg)
4	1	Butterfly Valve		DN200 PN10	45.10

CUT INFORMATION				
CUT NO.	DESCRIPTION		SIZE	CUT LENGTH (mm)
1	Pipe Seamless, BW		200A Sch80	213
2	Pipe Seamless, BW		200A Sch80	113
3	Pipe Seamless, BW		200A Sch80	521

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

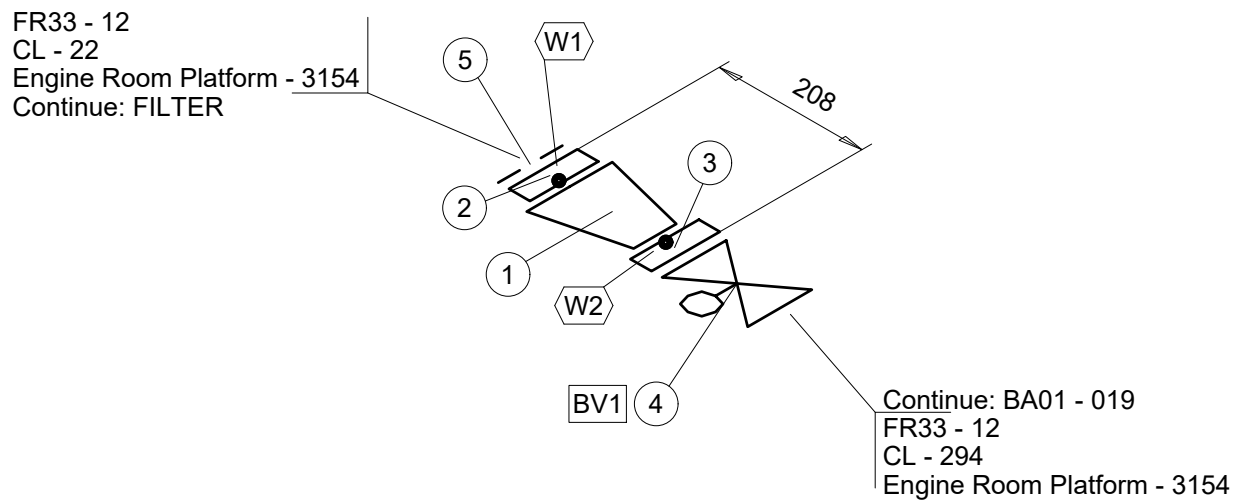
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A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

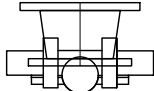
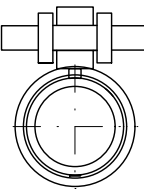
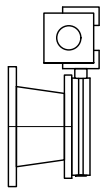
		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			



Drawing title:

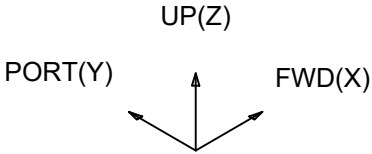
SPOOL-DRAWING FOR PIPE BA01

Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	19/55	BA01	B

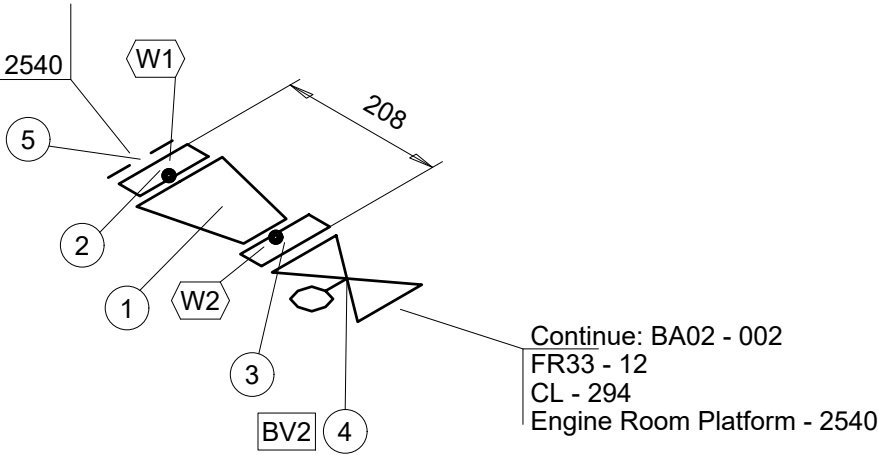


<p>FR. TOP</p>  <p>208</p> <p>PS └─FW</p>	<p>FR. SB</p>  <p>UP └─FW</p>	<p>FR. AFT</p>  <p>208</p> <p>UP └─PS</p>
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FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1	1		Reducer Concentric, BW	250A x 200A Sch80	PG 370	15.20
2	1		Flange SOFF	DN250 PN10	Carbon Steel	11.90
3	1		Flange SOFF	DN200 PN10	Carbon Steel	9.31
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Butterfly Valve		DN200 PN10		45.10
5	1	Gasket, PN10, Thk 3mm		DN250	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS. 3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE. 4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
				Designed By: 		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA01						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	20/55	BA01			B

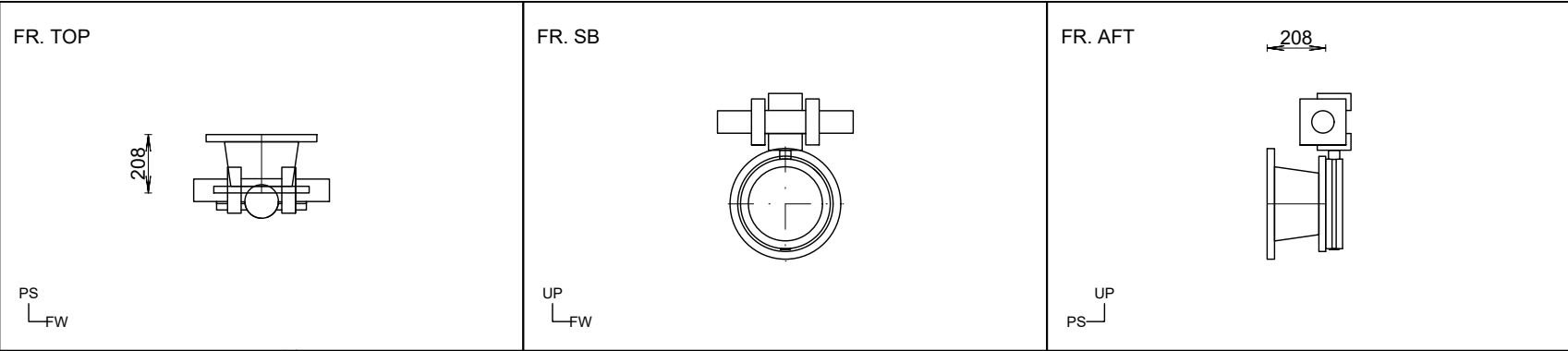




FR33 - 12  
CL - 22  
Engine Room Platform - 2540  
Continue: FILTER



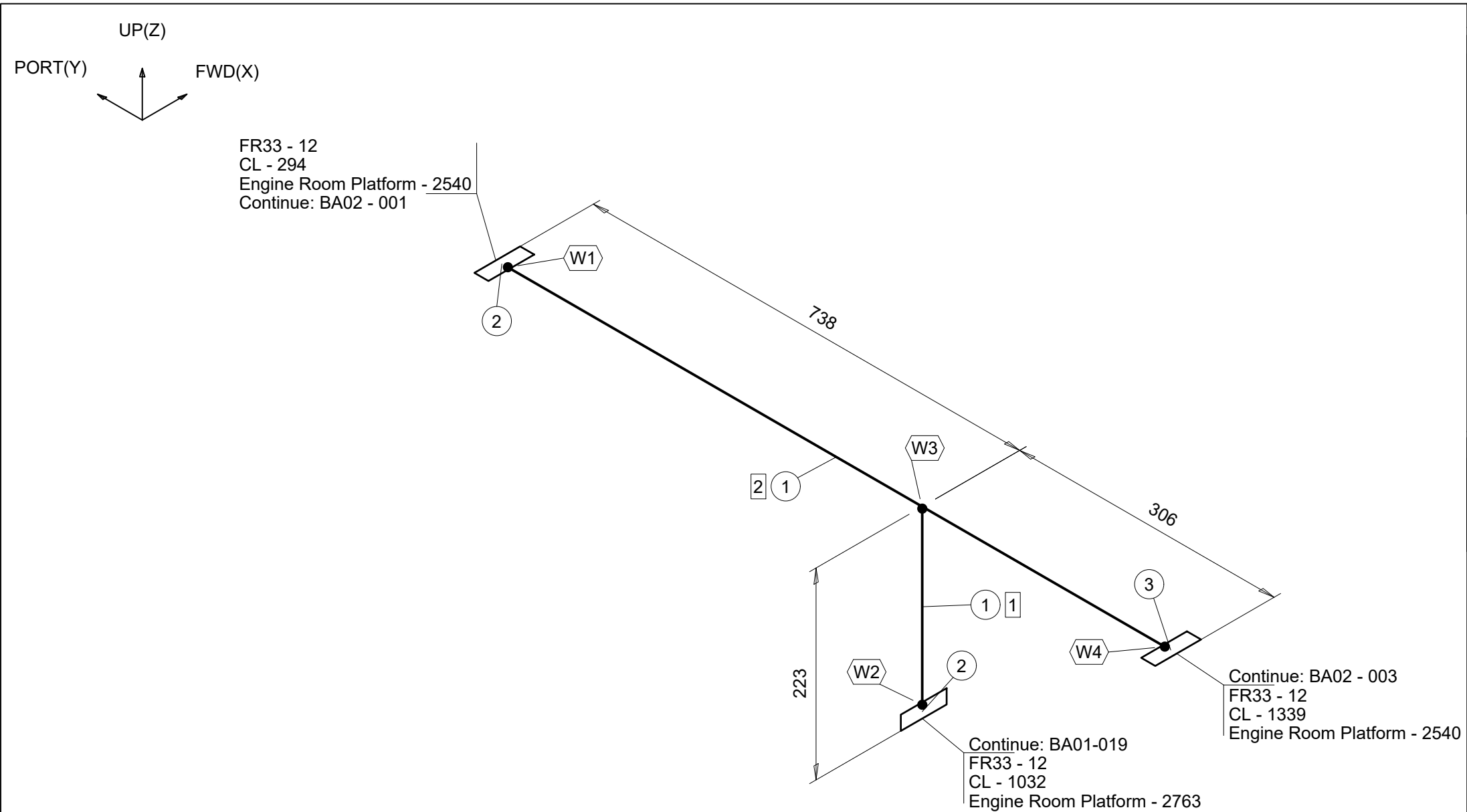
WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	250	SOF	SJ
W2	200	SOF	SJ



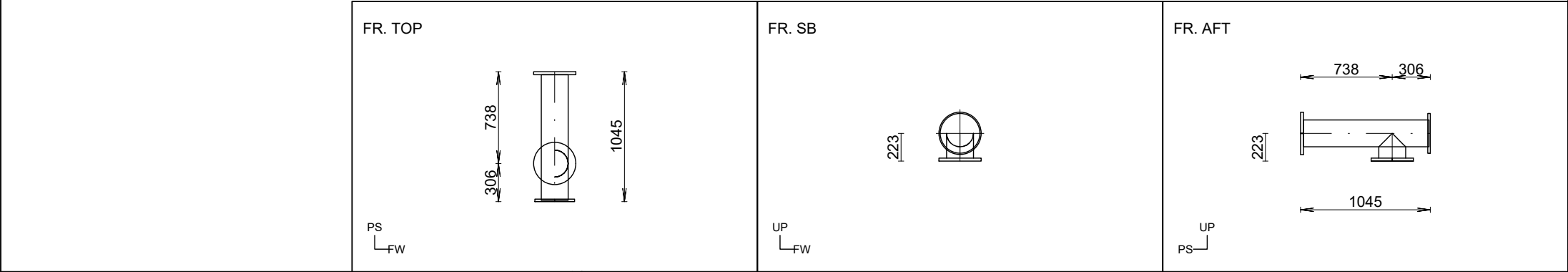
FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1	1		Reducer Concentric, BW	250A x 200A Sch80	PG 370	15.20
2	1		Flange SOFF	DN250 PN10	Carbon Steel	11.90
3	1		Flange SOFF	DN200 PN10	Carbon Steel	9.31
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Butterfly Valve		DN200 PN10		45.10
5	1	Gasket, PN10, Thk 3mm		DN250	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION		DRAWN BY	CHKD BY	APPRD
<div></div>				Designed By: <div></div>		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA02						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	21/55	BA02			B













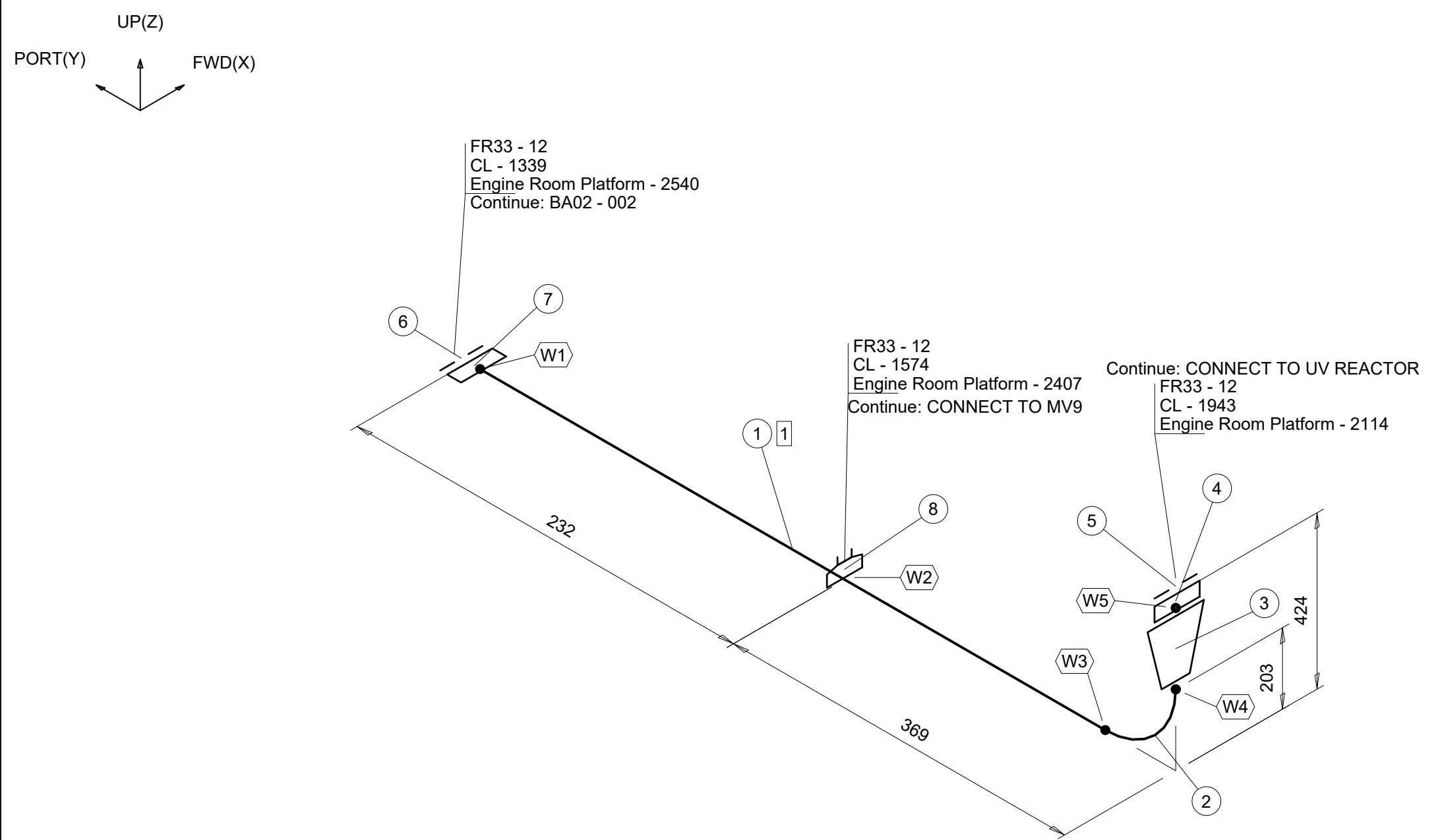
WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	SOF	SJ
W3	200	FW	SJ
W4	200	SOF	SJ



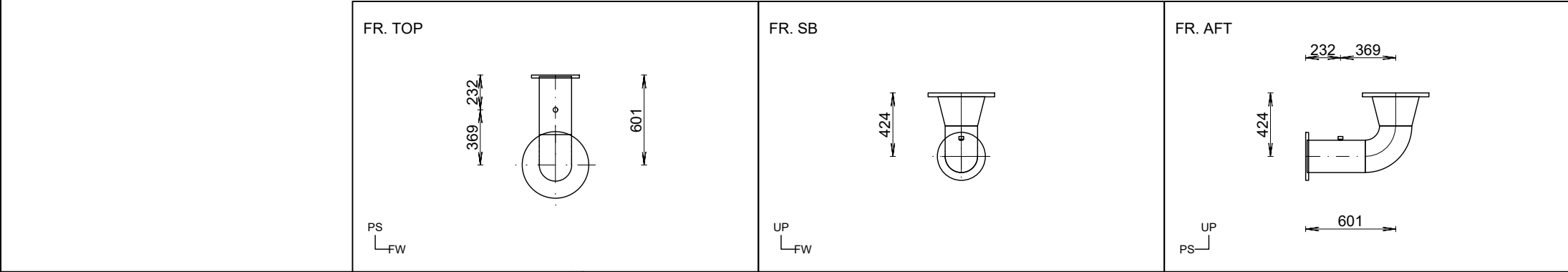
DRAWING SYMBOLS						SPOOL NAME:BA02-002										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K / PN10	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	97 kg
									AMB	2	-	3.75				







FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.23	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	2		Flange SOFF	DN200 PN10	Carbon Steel	9.31	
3	1		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	209	
2	Pipe Seamless, BW			200A Sch80	STPG370	1021	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By:				
							
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA02							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	22/55	BA02			B	



WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	15	BRN	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	300	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA02-003										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K / PN10	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	88 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.39	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	1		Reducer Concentric, BW	300A x 200A Sch80	PG 370	22.50
4	1		Flange SOFF	DN300 PN10	Carbon Steel	13.80
7	1		Flange SOFF	200A JIS5K	SS 400	6.33
8	1		Female boss G1/2 with male connector G1/2	-	CS	0.15

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
5	1	Gasket, PN10, Thk 3mm	DN300	CNAF	
6	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION			CUT LENGTH (mm)
1	Pipe Seamless, BW			388



NOTES:

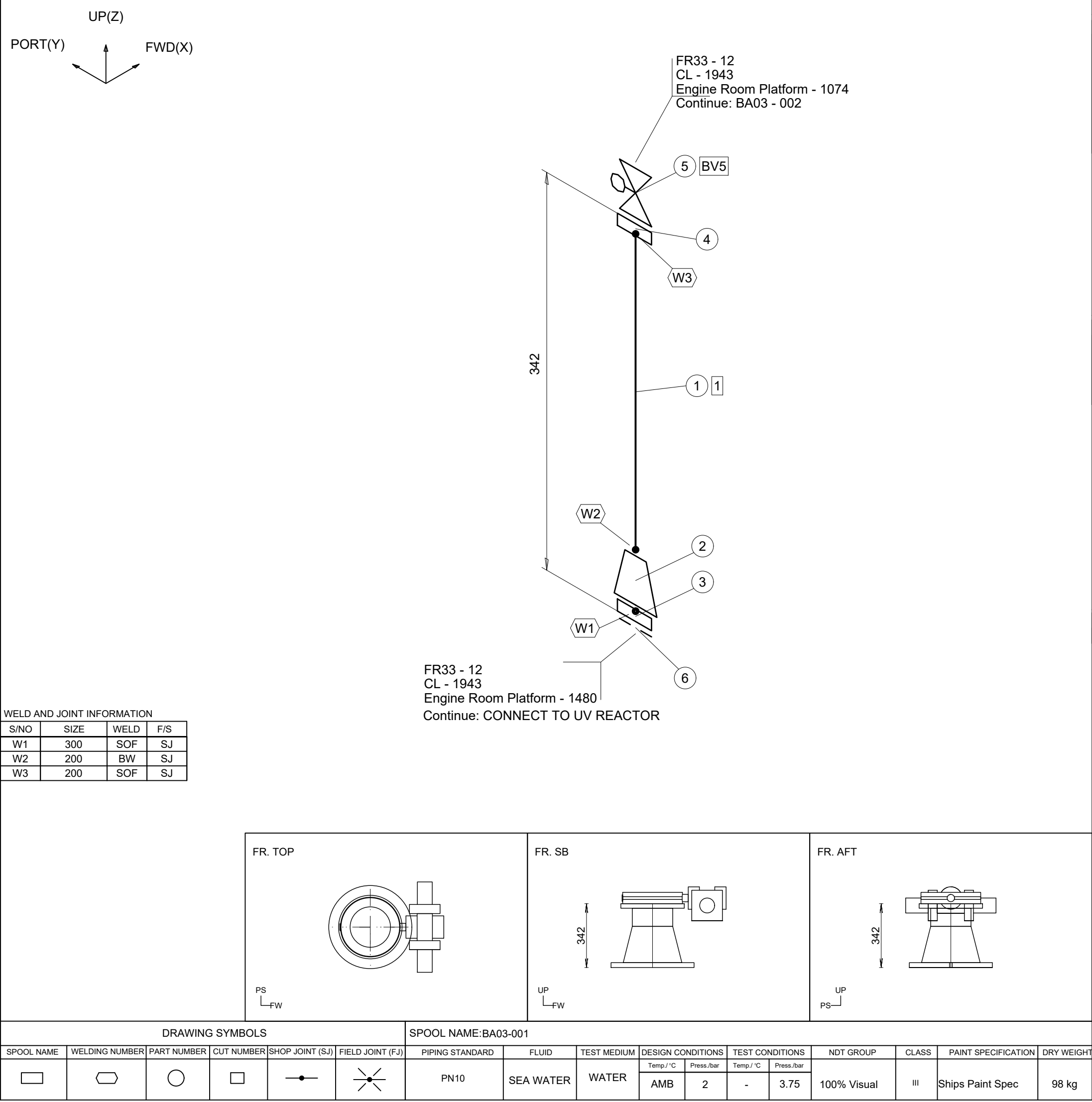
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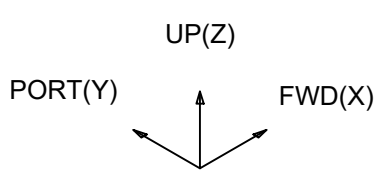
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

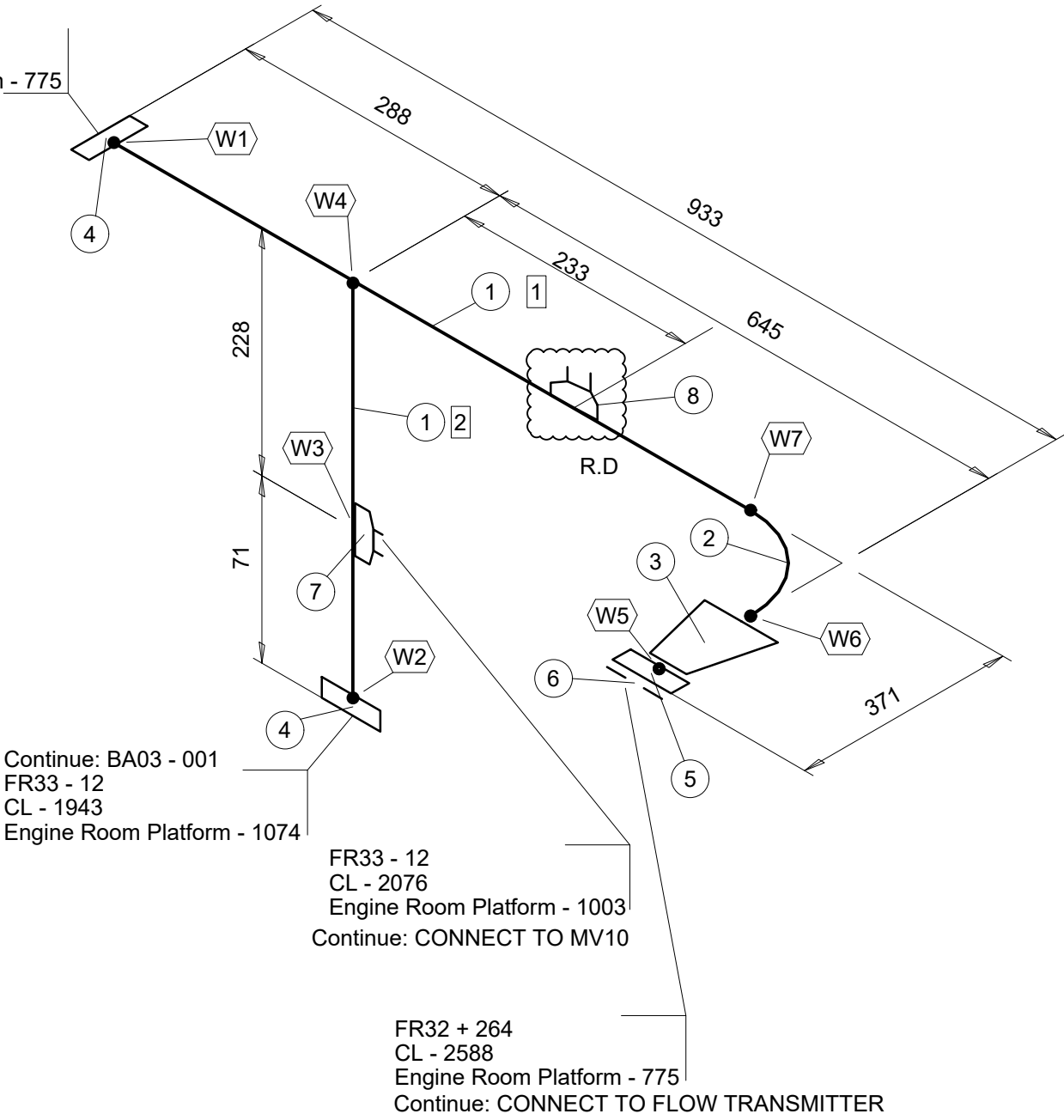
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
		<div>Designed By:</div> <div></div>			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA02					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	23/55	BA02		B

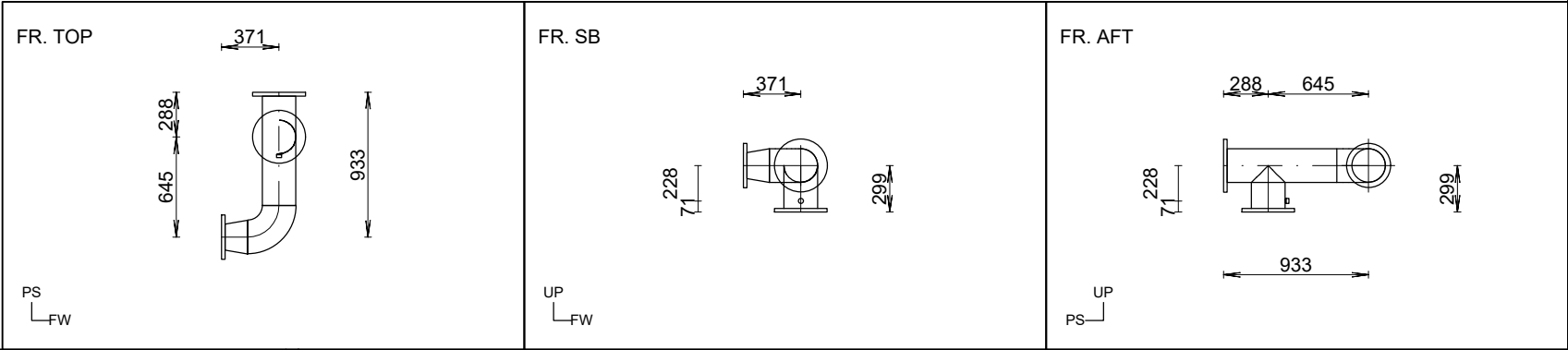




FR33 - 12  
CL - 1655  
Engine Room Platform - 775  
Continue: BA01-017



WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	SOF	SJ
W3	15	BRN	SJ
W4	200	FW	SJ
W5	150	SOF	SJ
W6	200	BW	SJ
W7	200	BW	SJ











FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.00	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	1		Reducer Concentric, BW	200A x 150A Sch80	PG 370	8.61
4	2		Flange SOFF	DN200 PN10	Carbon Steel	9.31
5	1		Flange SOFF	DN150 PN16	Carbon Steel	7.00
7	1		Female boss G1/2 with male connector G1/2	-	CS	0.15
8	1		Female boss G1/2 with male connector G1/2	-	CS	0.15

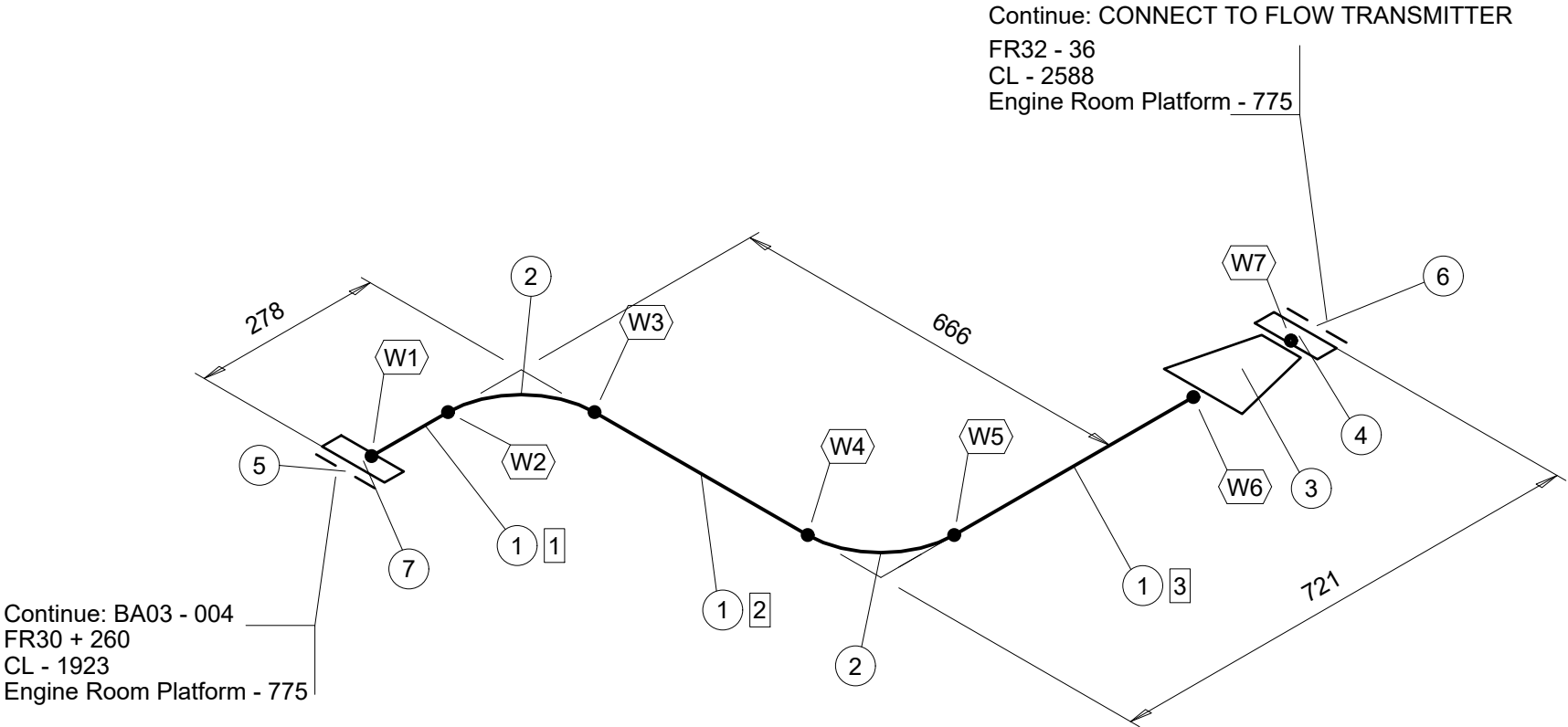
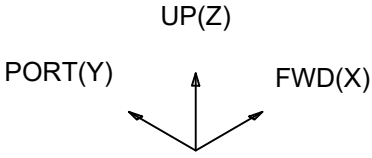
ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
6	1	Gasket, PN16, Thk 3mm	DN150	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	716
2	Pipe Seamless, BW	200A Sch80	STPG370	285

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

D	08/11/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location: -		IMO No.:		9546825	
Project No: P1513		Project Name:		ORKIM POWER	
Drawing title:					
SPOOL-DRAWING FOR PIPE BA03					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	25/55	BA03		D

DRAWING SYMBOLS						SPOOL NAME:BA03-002										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						PN10/PN16	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	112 kg
									AMB	2	-	3.75				



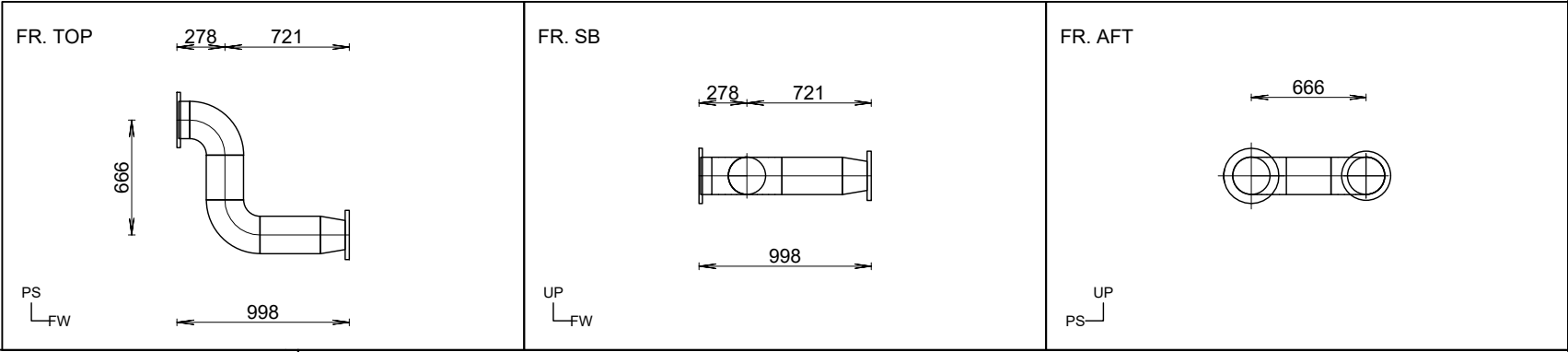
FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.67	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	2		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	1		Reducer Concentric, BW	200A x 150A Sch80	PG 370	8.61
4	1		Flange SOFF	DN150 PN16	Carbon Steel	7.00
7	1		Flange SOFF	200A JIS5K	SS 400	6.33







ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
5	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	
6	1	Gasket, PN16, Thk 3mm	DN150	CNAF	



CUT INFORMATION				
CUT NO.	DESCRIPTION		SIZE	CUT LENGTH (mm)
1	Pipe Seamless, BW		200A Sch80	65
2	Pipe Seamless, BW		200A Sch80	260
3	Pipe Seamless, BW		200A Sch80	351

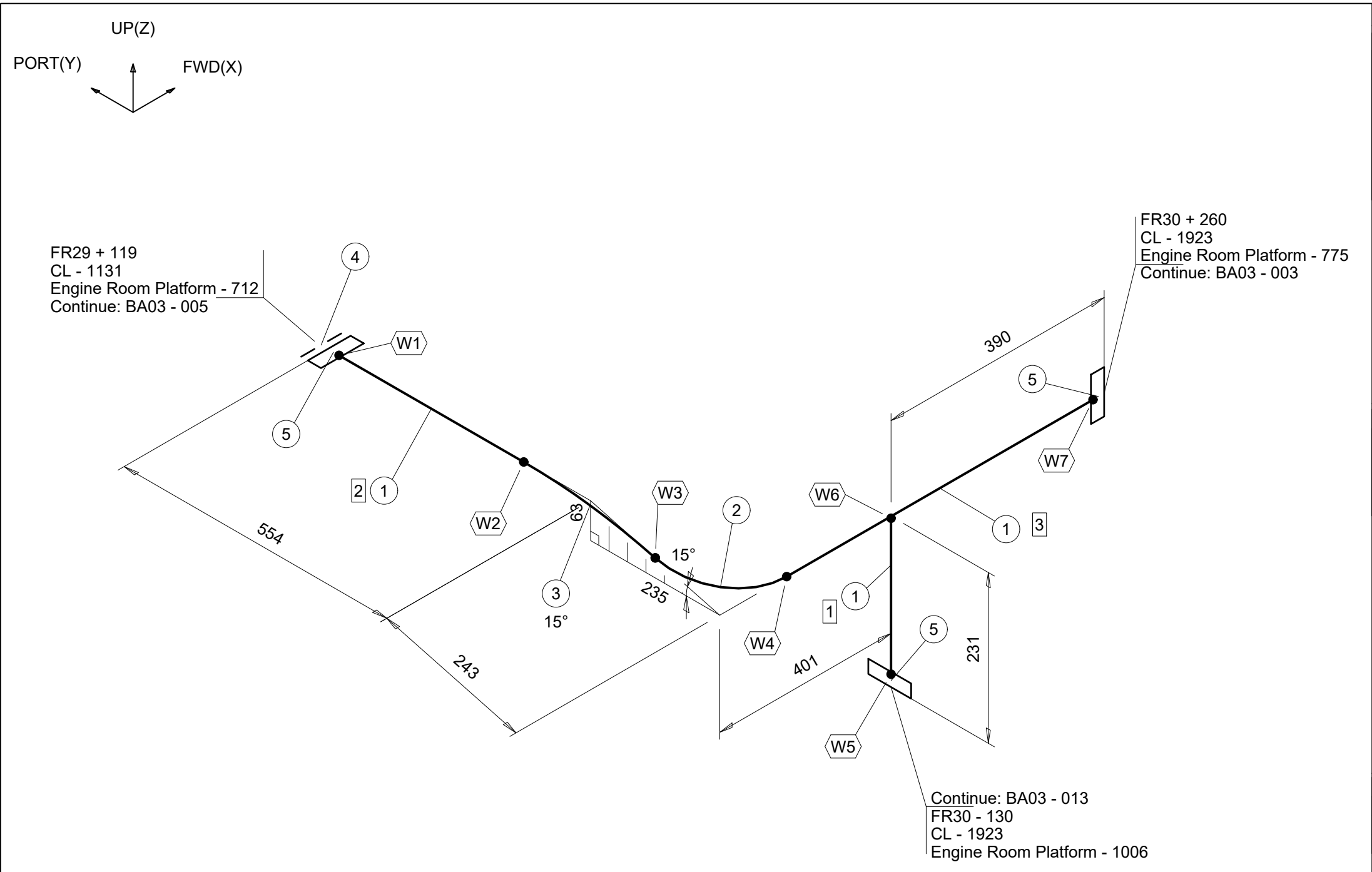
NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	BW	SJ
W7	150	SOF	SJ



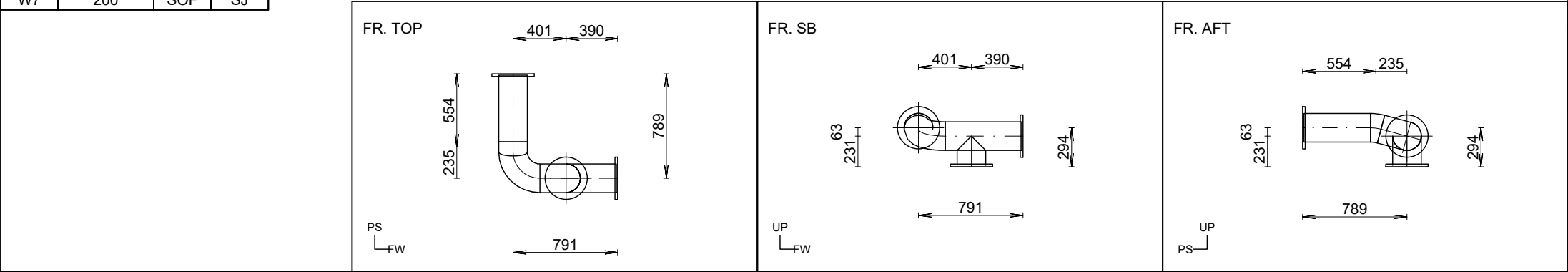
DRAWING SYMBOLS						SPOOL NAME:BA03-003										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K / PN16	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	105 kg
									AMB	2	-	3.75				







B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
<div></div>			<div>Designed By: </div>		
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen		
Location: -			IMO No.: 9546825		
Project No: P1513			Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA03					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	26/55	BA03		B





WELD AND JOINT INFORMATION

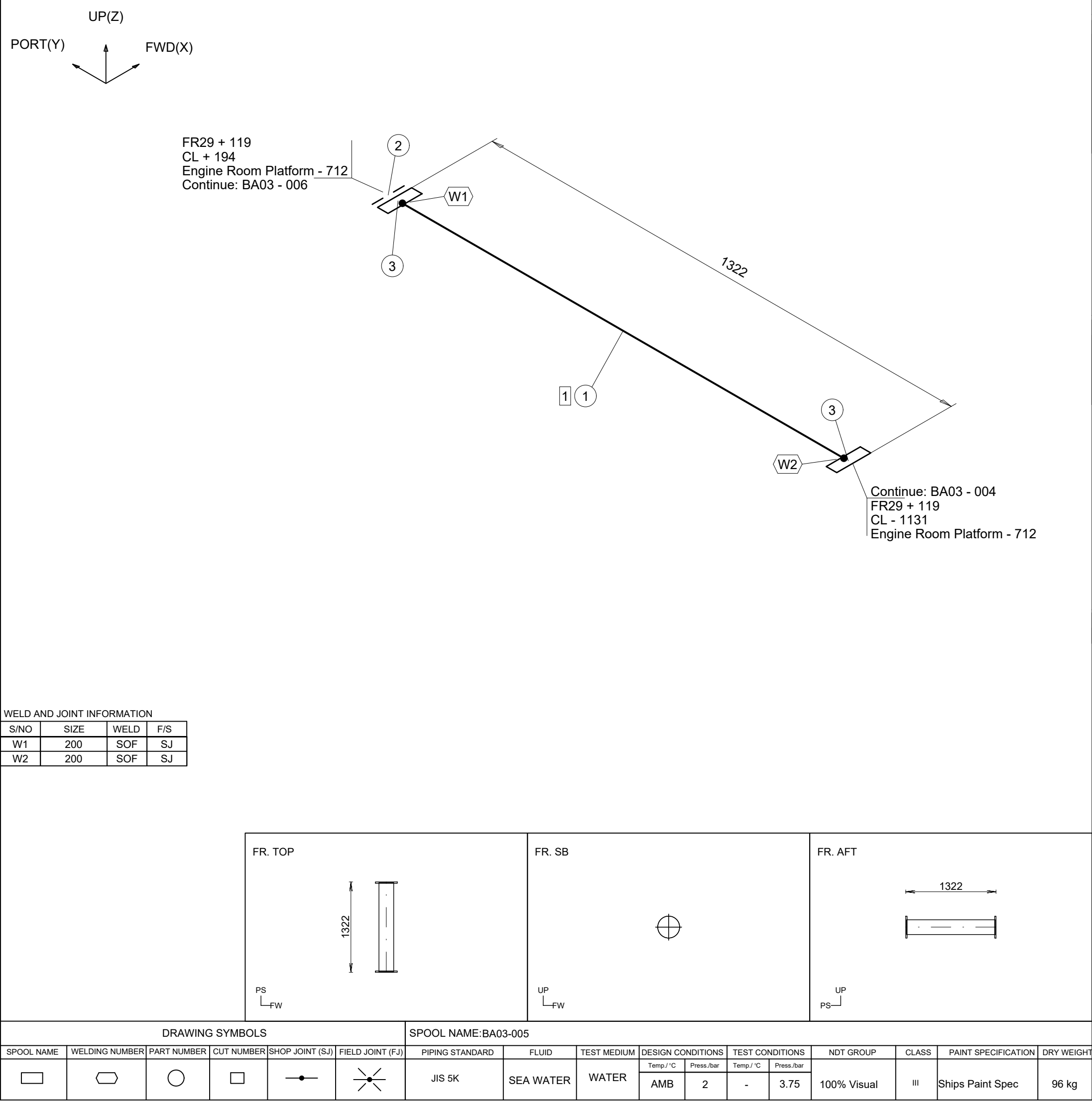
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	SOF	SJ
W6	200	FW	SJ
W7	200	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA03-004										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	121 kg
									AMB	2	-	3.75				

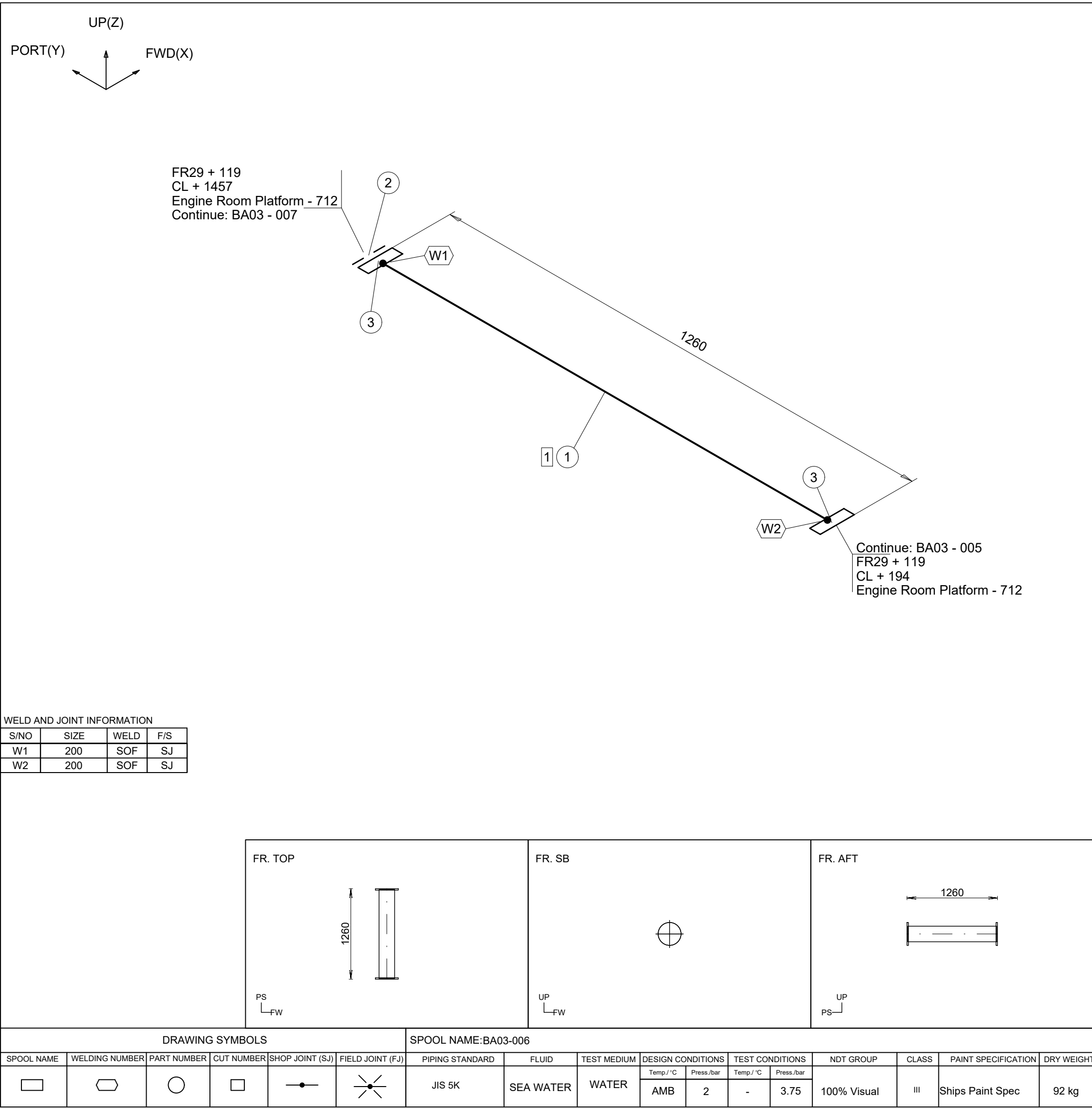
FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.30	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	1		Elbow 15Deg. LR, BW	200A Sch80	PG 370	4.98
5	3		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	221
2	Pipe Seamless, BW			200A Sch80	STPG370	504
3	Pipe Seamless, BW			200A Sch80	STPG370	578
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
			Designed By:			
						
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen			
Location: -			IMO No.: 9546825			
Project No: P1513			Project Name: ORKIM POWER			
Drawing title:						
SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	27/55	BA03			B





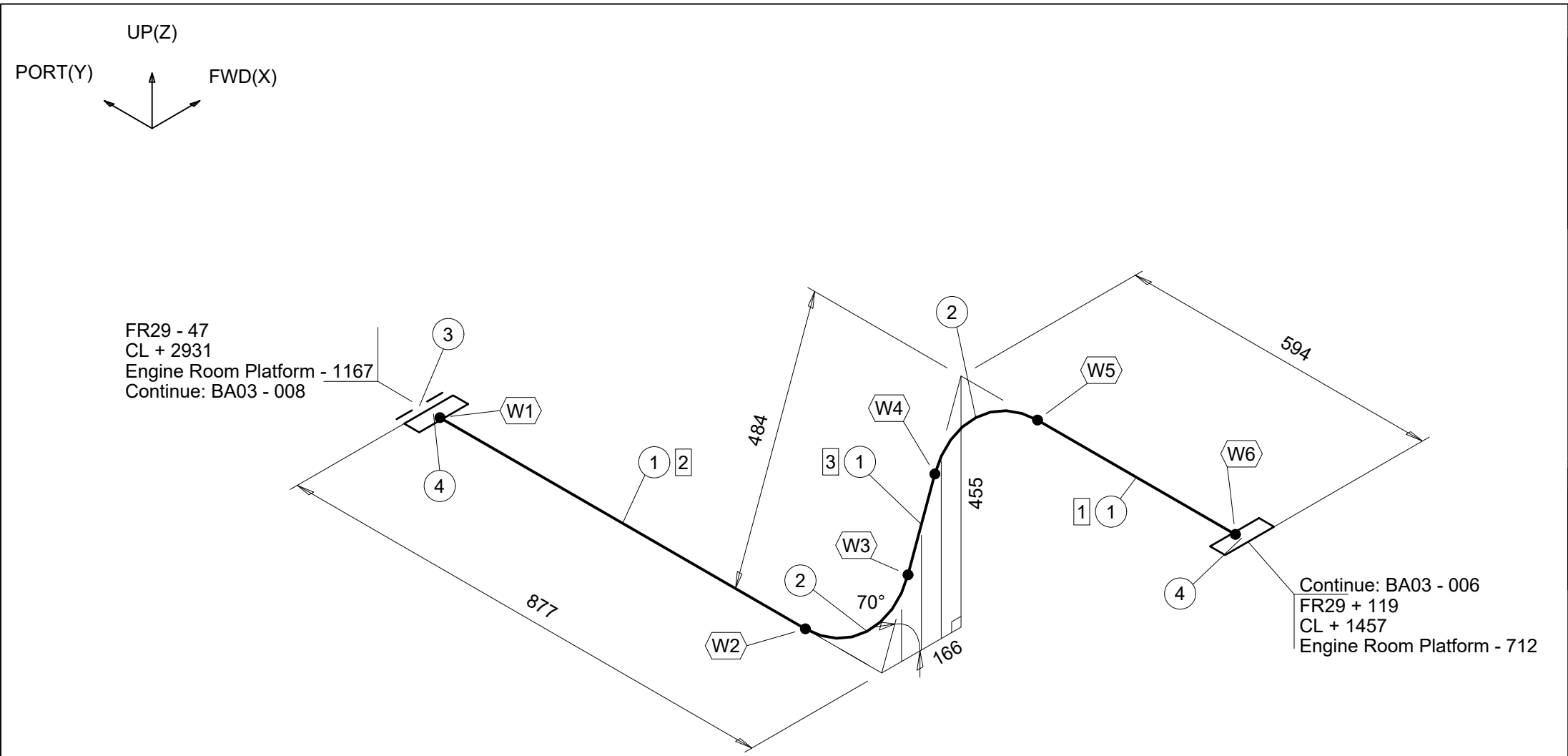


FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.30	Pipe Seamless, BW	200A Sch80	STPG370	63.80
3	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
2	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	1302
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:		
				<div><div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title:						
SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	28/55	BA03			B

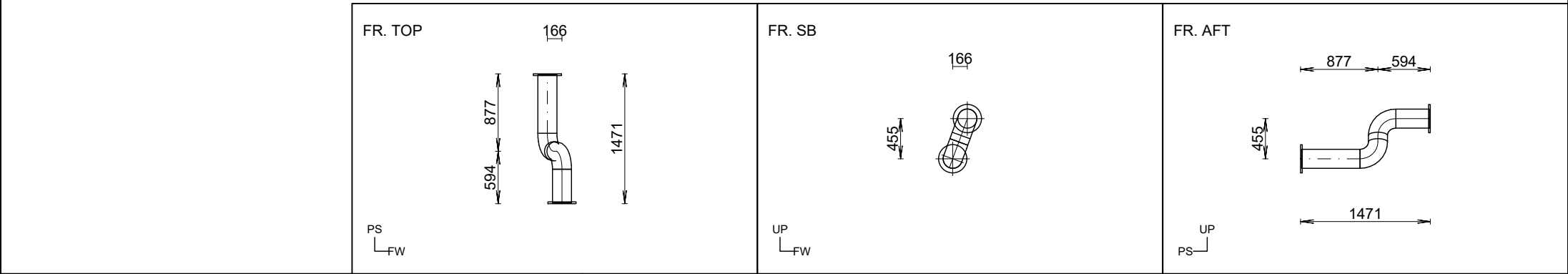












FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.24	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
3	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
2	1	Gasket, JIS5K, Thk 3mm		200A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	1240	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
				Designed By:			
Client:		Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location:		-		IMO No.:		9546825	
Project No:		P1513		Project Name:		ORKIM POWER	
Drawing title:							
SPOOL-DRAWING FOR PIPE BA03							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	29/55	BA03			B	

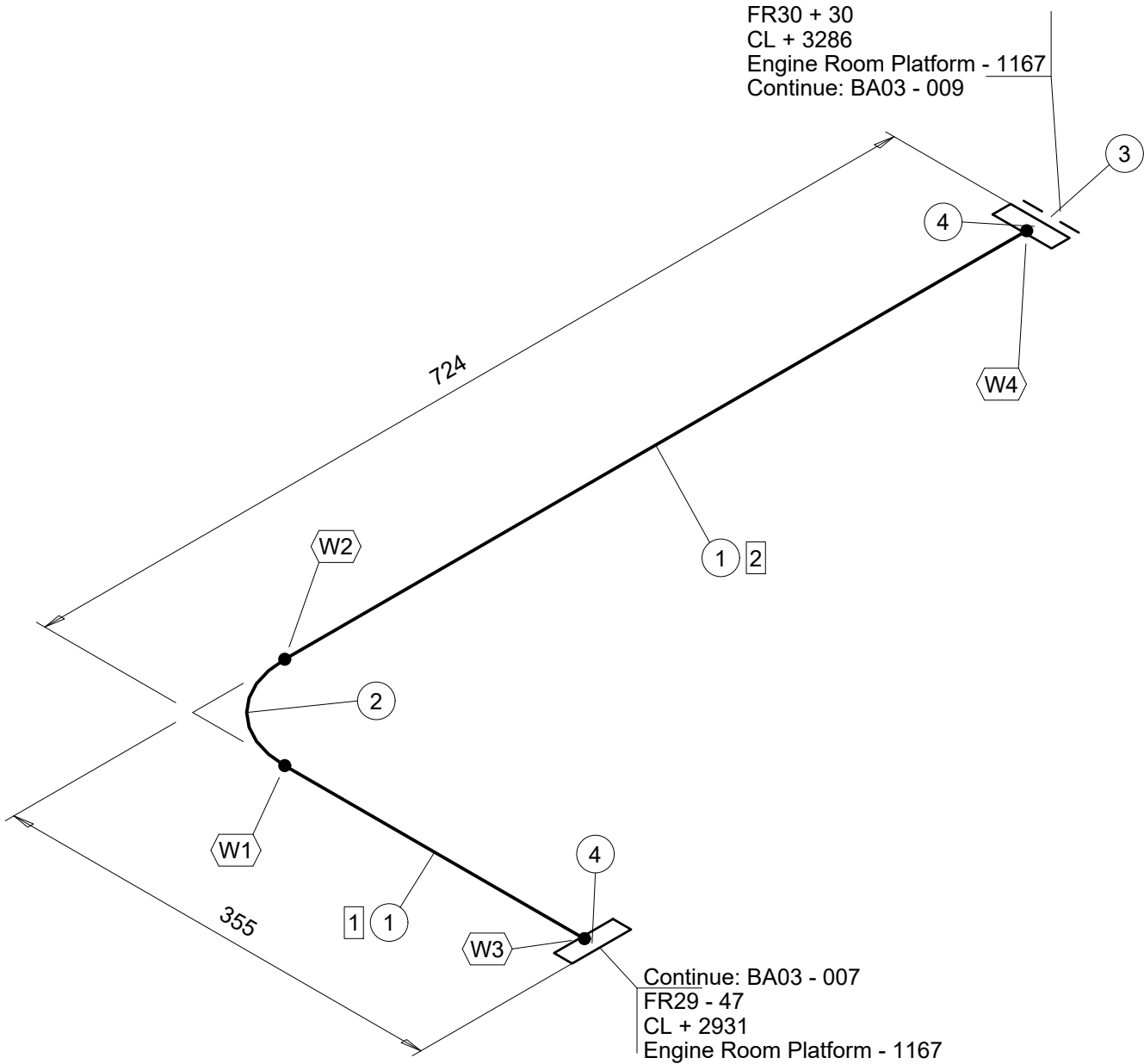
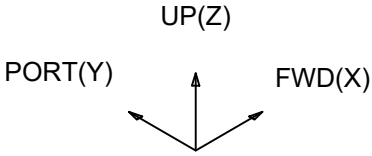


WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	BW	SJ
W5	200	BW	SJ
W6	200	SOF	SJ



DRAWING SYMBOLS						SPOOL NAME:BA03-007										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	125 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.12	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	2		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
4	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	381
2	Pipe Seamless, BW			200A Sch80	STPG370	664
3	Pipe Seamless, BW			200A Sch80	STPG370	78
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
				Designed By:		
						
Client:		Orkim Ship Management		BWTS Maker Name:		LeesGreen
Location:		-		IMO No.:		9546825
Project No:		P1513		Project Name:		ORKIM POWER
Drawing title:						
SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	30/55	BA03			B



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.65	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
4	2		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	143
2	Pipe Seamless, BW	200A Sch80	STPG370	511

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location: -		IMO No.:		9546825	
Project No: P1513		Project Name:		ORKIM POWER	







Drawing title:						SPOOL-DRAWING FOR PIPE BA03					
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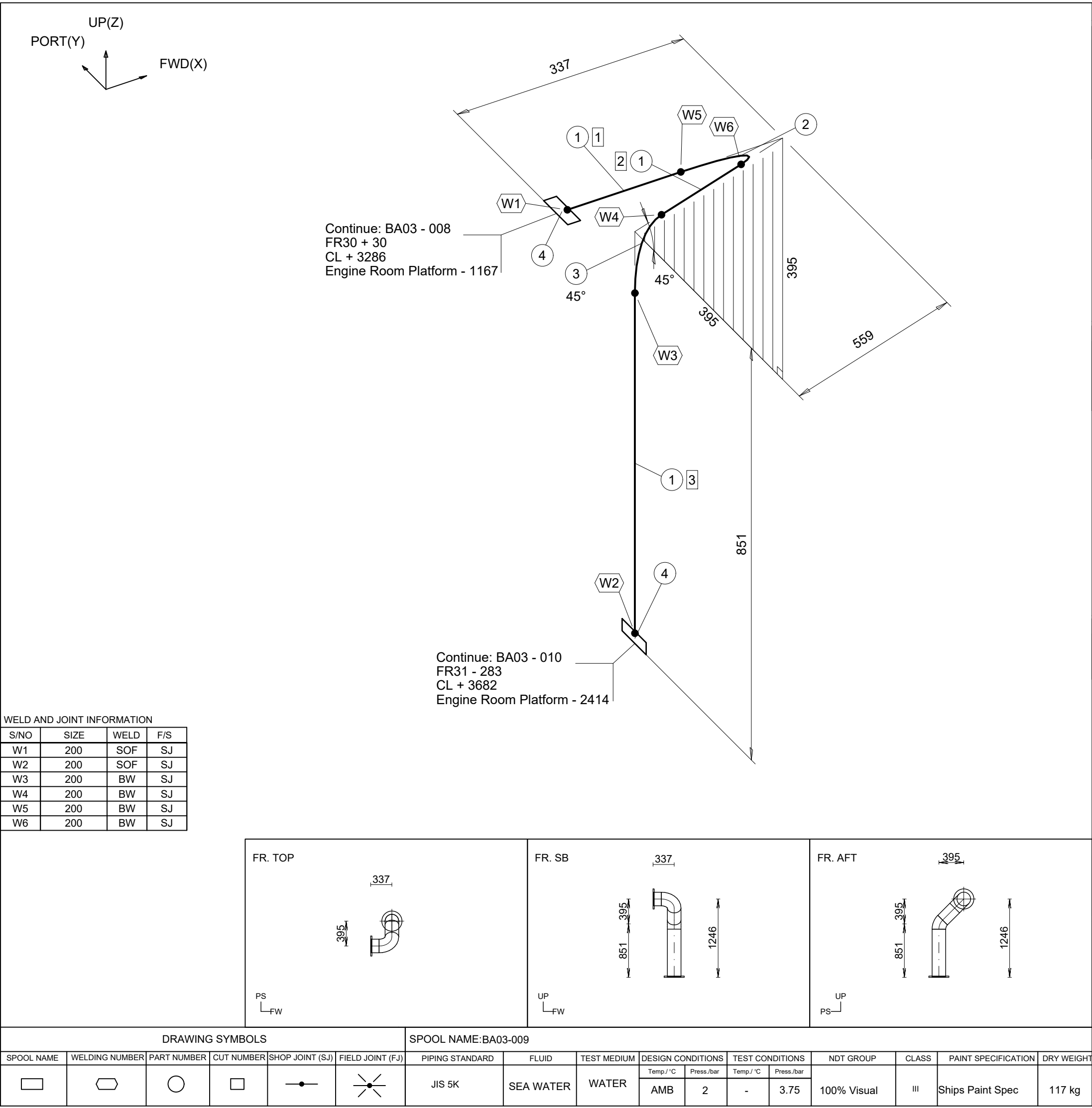
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	31/55	BA03			B

WELD AND JOINT INFORMATION

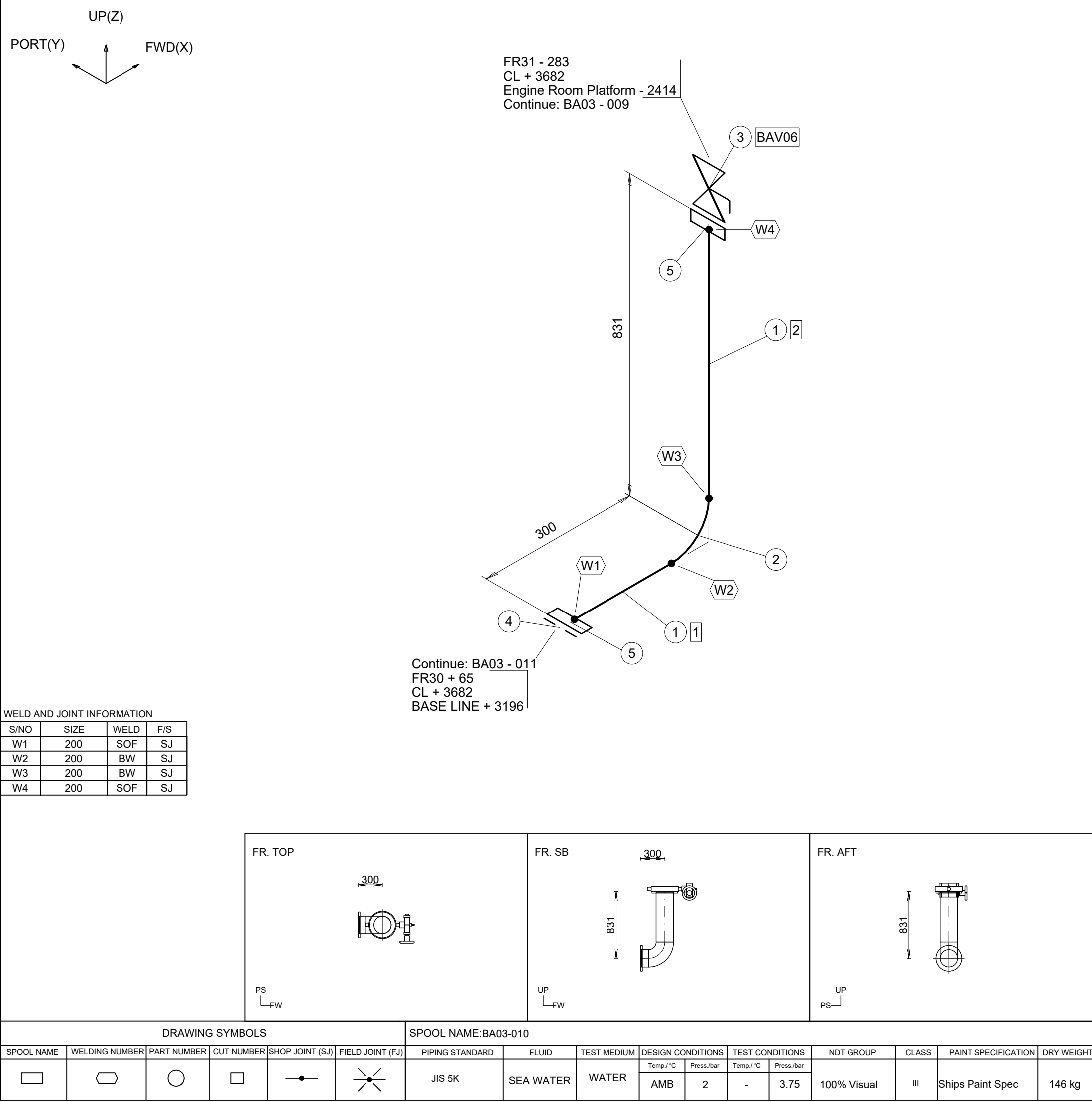
S/NO	SIZE	WELD	F/S
W1	200	BW	SJ
W2	200	BW	SJ
W3	200	SOF	SJ
W4	200	SOF	SJ

FR. TOP 			FR. SB 			FR. AFT 		
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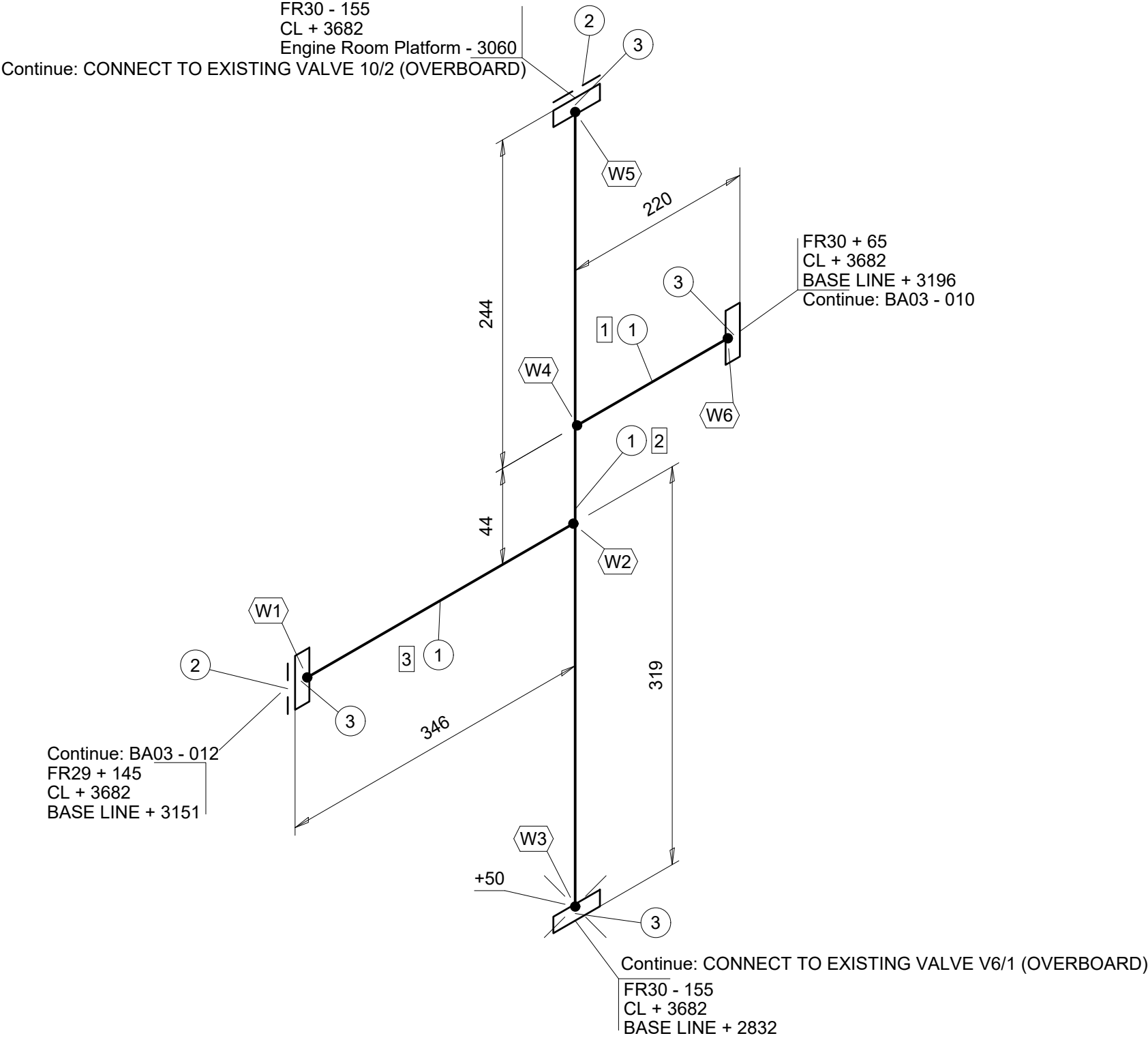
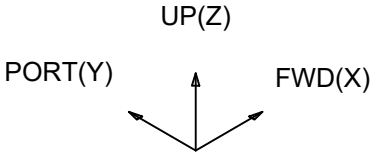
DRAWING SYMBOLS						SPOOL NAME:BA03-008										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	75 kg
									AMB	2	-	3.75				



FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.15	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90	
3	1		Elbow 45Deg. SR, BW	200A Sch80	PG 370	9.97	
4	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	125	
2	Pipe Seamless, BW			200A Sch80	STPG370	272	
3	Pipe Seamless, BW			200A Sch80	STPG370	757	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>			Designed By:				
			<div><div><div>G</div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA03							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	32/55	BA03			B	



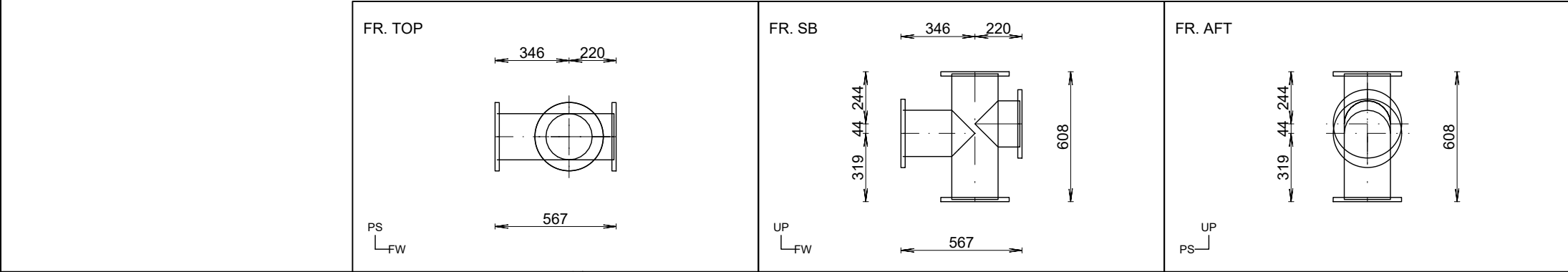
FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.70	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
5	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Butterfly Valve		200A JIS 5K	-	68.00
4	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	87
2	Pipe Seamless, BW			200A Sch80	STPG370	618
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION		DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div></div><div>YFMARINE</div></div>			Designed By:			
			<div><div><div>Goltens</div></div><div>Singapore Pte Ltd.</div></div>			
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen			
Location: -			IMO No.: 9546825			
Project No: P1513			Project Name: ORKIM POWER			
Drawing title:						
SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	33/55	BA03			B











WELD AND JOINT INFORMATION

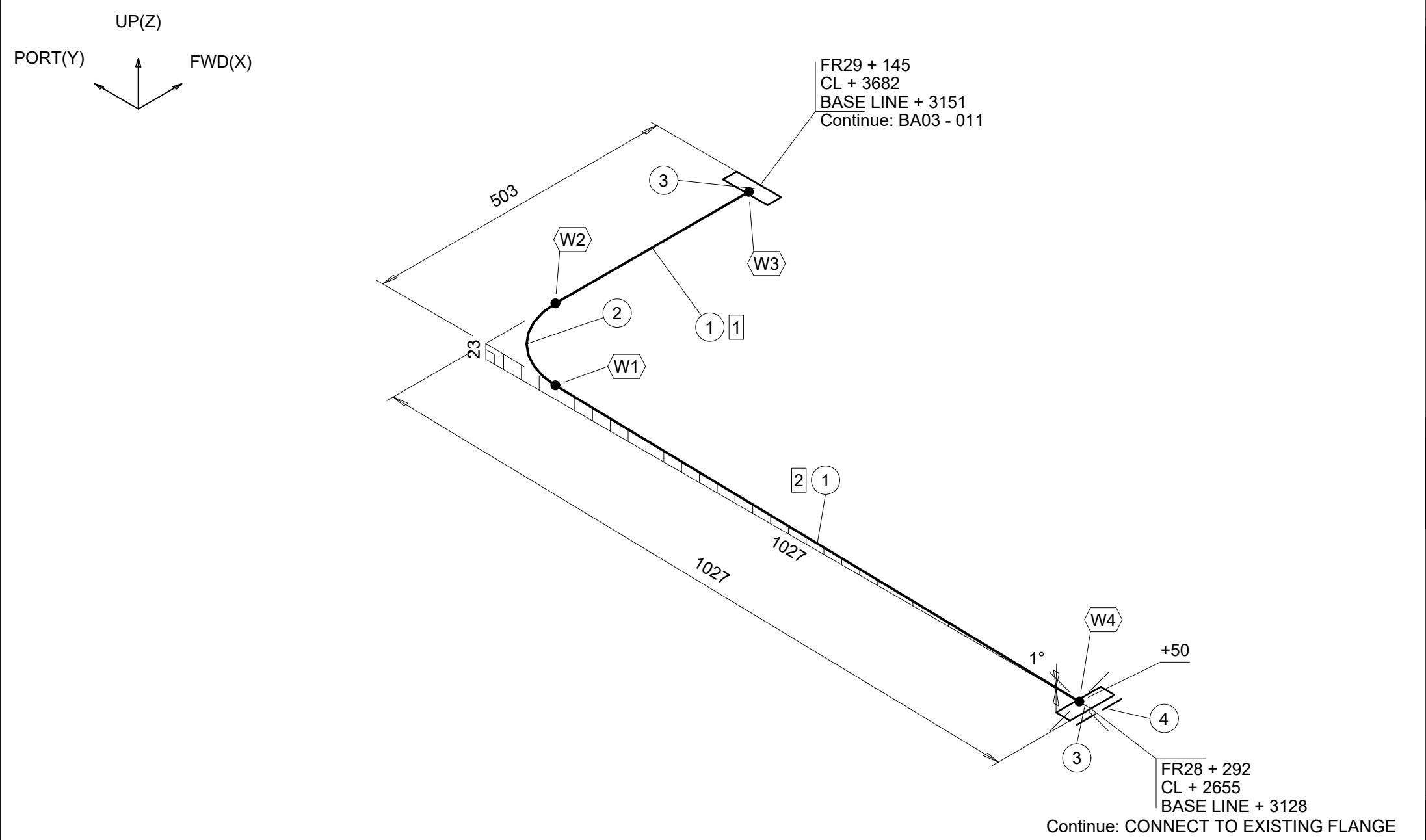
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	FW	SJ
W3	200	SOF	FJ
W4	200	FW	SJ
W5	200	SOF	FJ
W6	200	SOF	SJ

SPECIAL NOTE : SPOOL TO BE VERIFIED ONBOARD BEFORE FABRICATION.



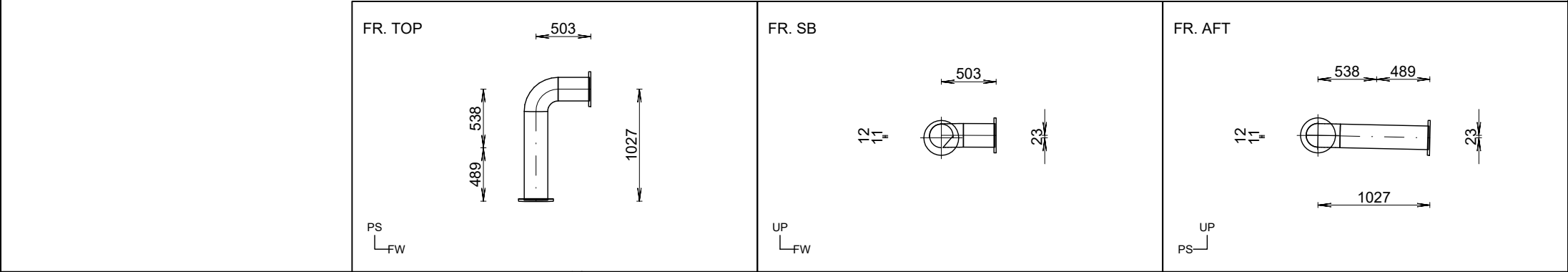
DRAWING SYMBOLS						SPOOL NAME:BA03-011										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	91 kg
									AMB	2	-	3.75				







FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.18	Pipe Seamless, BW	200A Sch80	STPG370	63.80
3	4		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
2	2	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	211
2	Pipe Seamless, BW			200A Sch80	STPG370	638
3	Pipe Seamless, BW			200A Sch80	STPG370	337
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
C	29/10/2024	TEMPLATE CHANGE			SK	TT GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
					Designed By:  <b>Goltens</b> <small>Singapore Pte Ltd.</small>	
Client:		Orkim Ship Management			BWTS Maker Name: LeesGreen	
Location:		-			IMO No.: 9546825	
Project No:		P1513			Project Name: ORKIM POWER	
Drawing title:						
SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	34/55	BA03			C



WELD AND JOINT INFORMATION

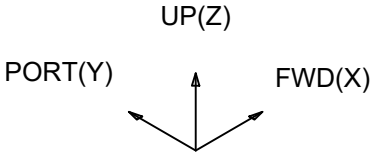
S/NO	SIZE	WELD	F/S
W1	200	BW	SJ
W2	200	BW	SJ
W3	200	SOF	SJ
W4	200	SOF	FJ



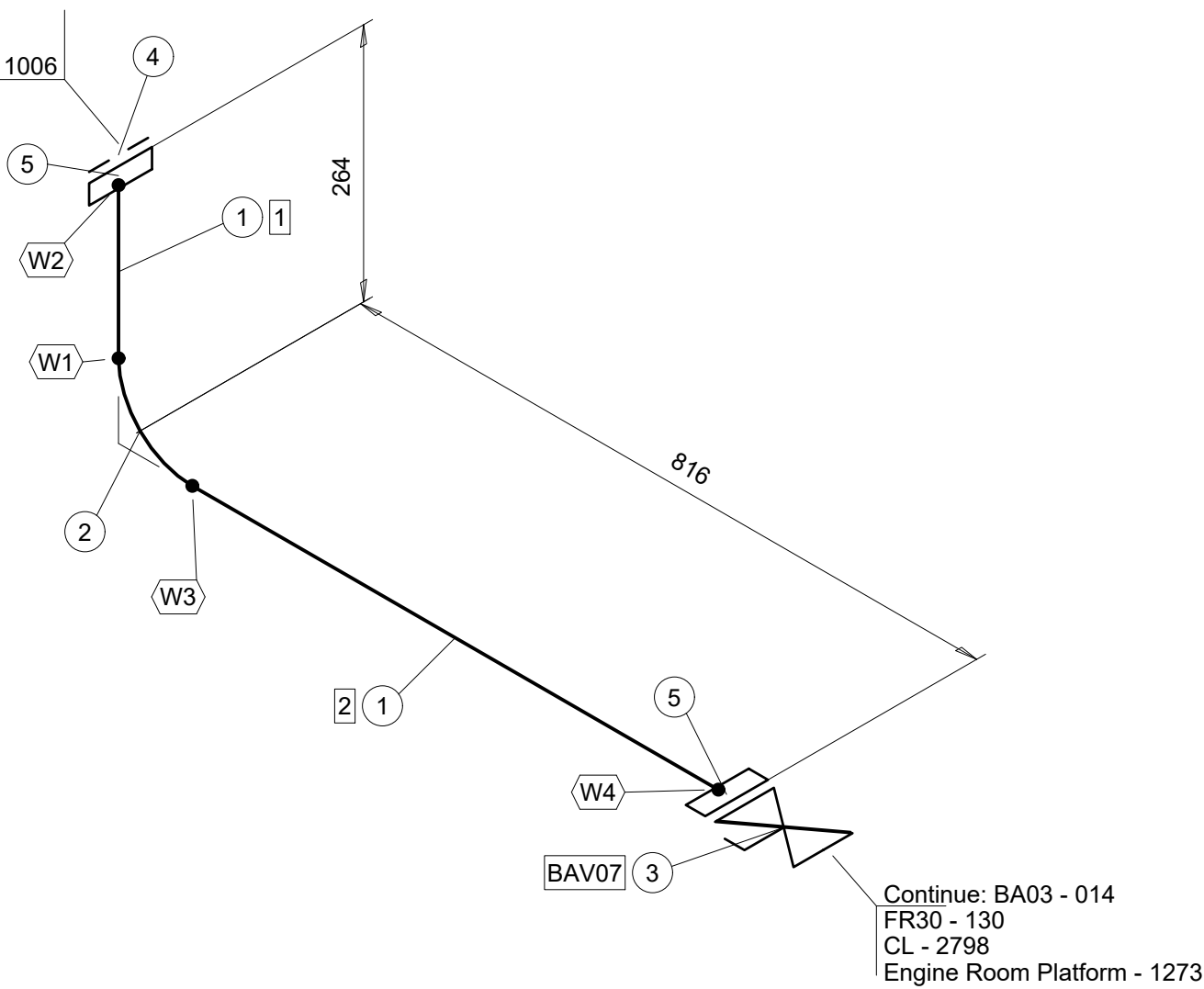
DRAWING SYMBOLS						SPOOL NAME:BA03-012										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	107 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.15	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90	
3	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
4	1	Gasket, JIS5K, Thk 3mm		200A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	290	
2	Pipe Seamless, BW			200A Sch80	STPG370	864	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
C	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>			Designed By:				
			<div><div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA03							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	35/55	BA03			C	



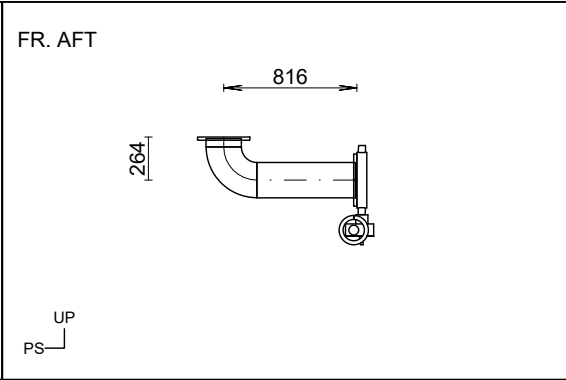
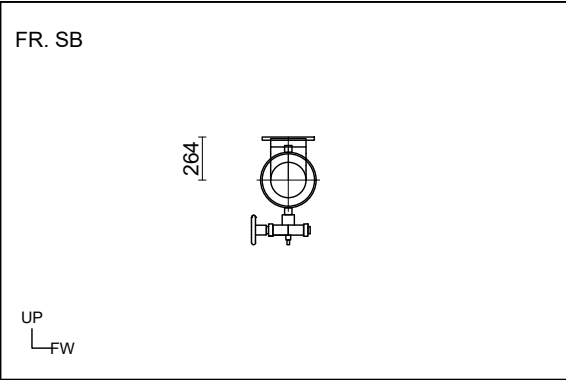
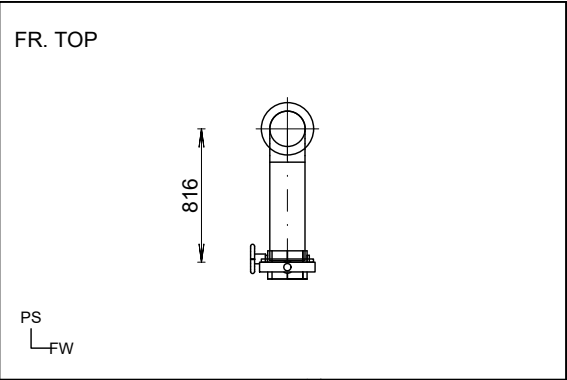








FR30 - 130  
CL - 1923  
Engine Room Platform - 1006  
Continue: BA03 - 004



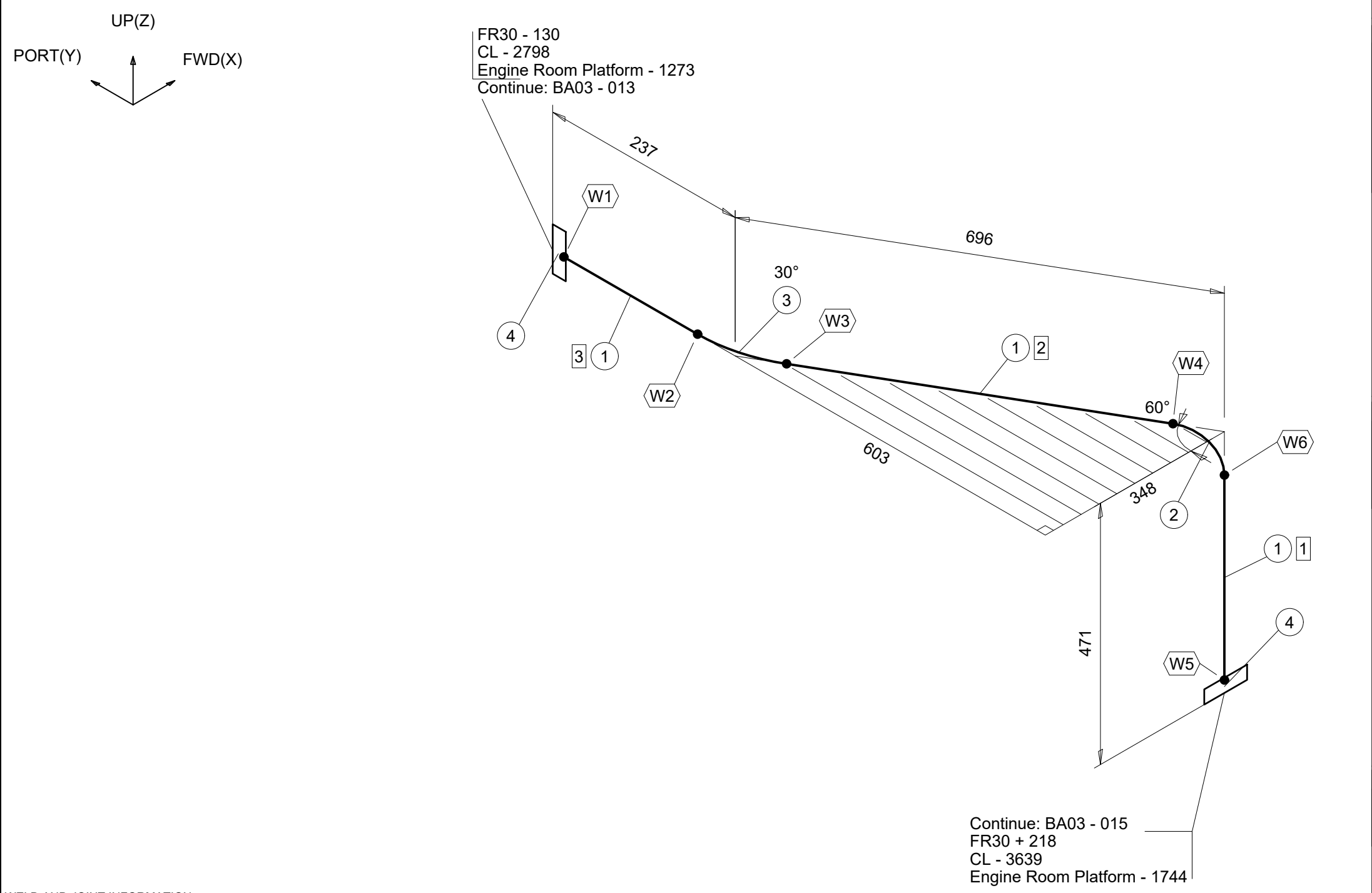
WELD AND JOINT INFORMATION

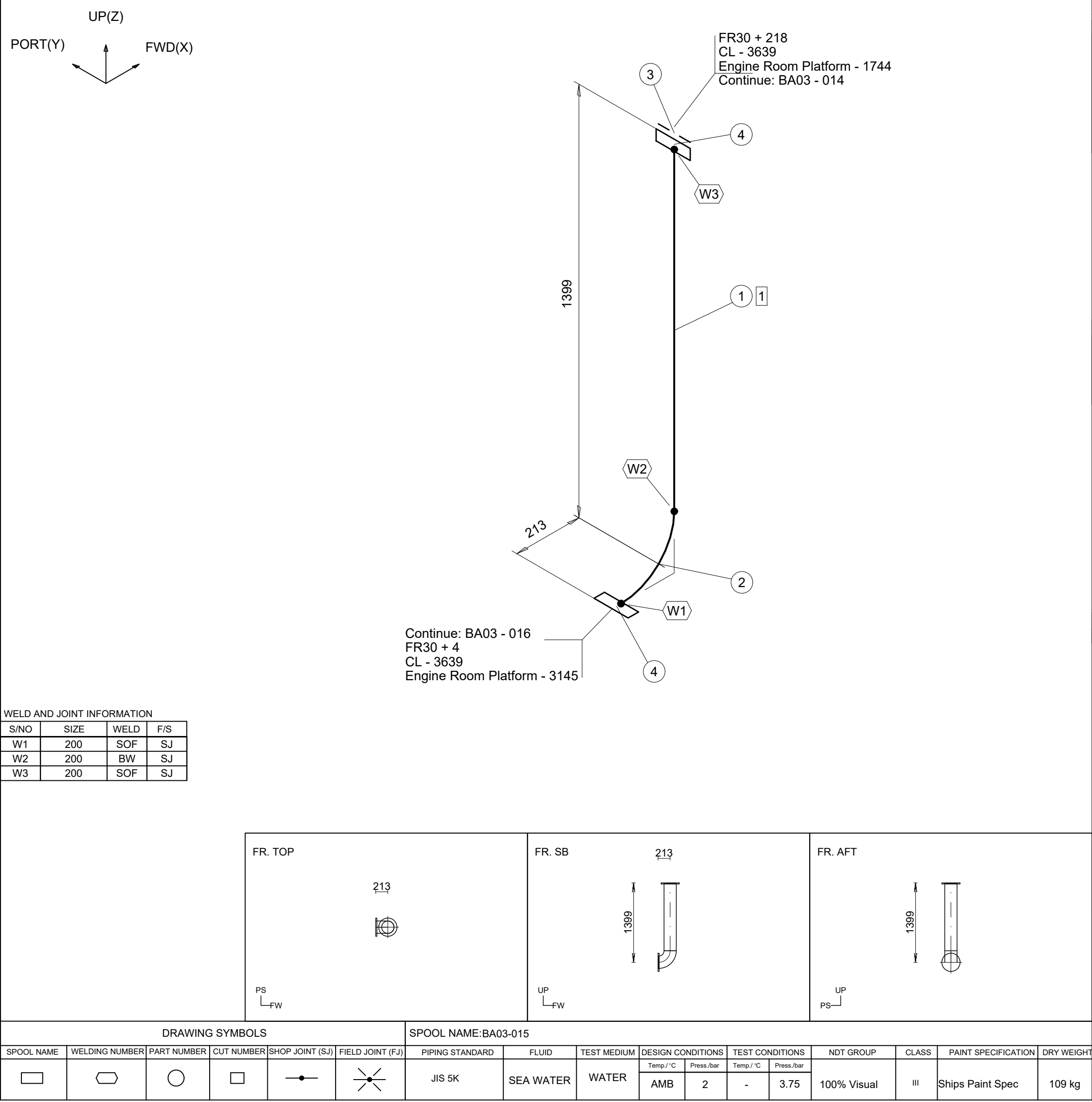
S/NO	SIZE	WELD	F/S
W1	200	BW	SJ
W2	200	SOF	SJ
W3	200	BW	SJ
W4	200	SOF	SJ



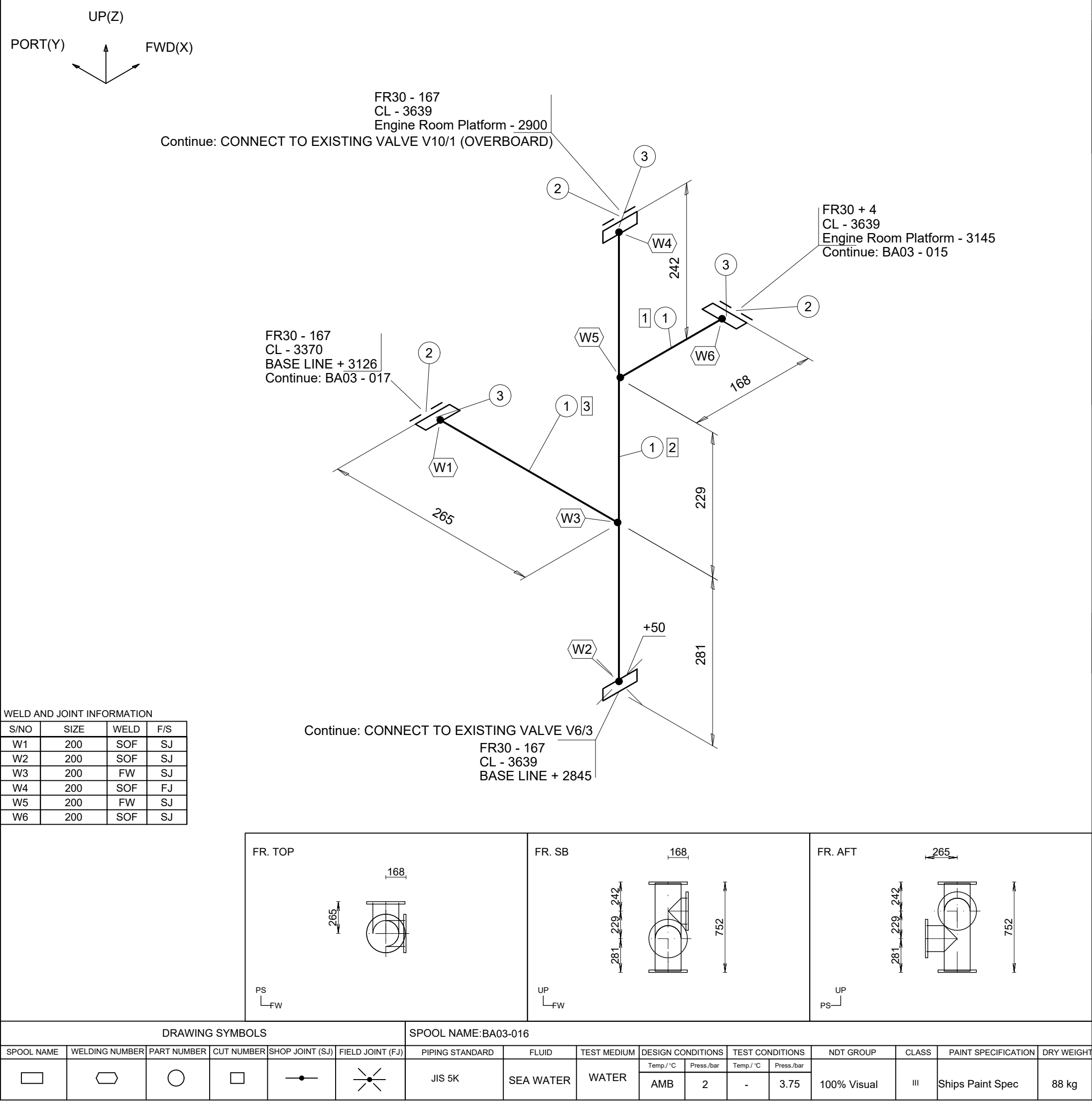
DRAWING SYMBOLS						SPOOL NAME:BA03-013										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	143 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.65	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
5	2		Flange SOFF	200A JIS5K	SS 400	6.33

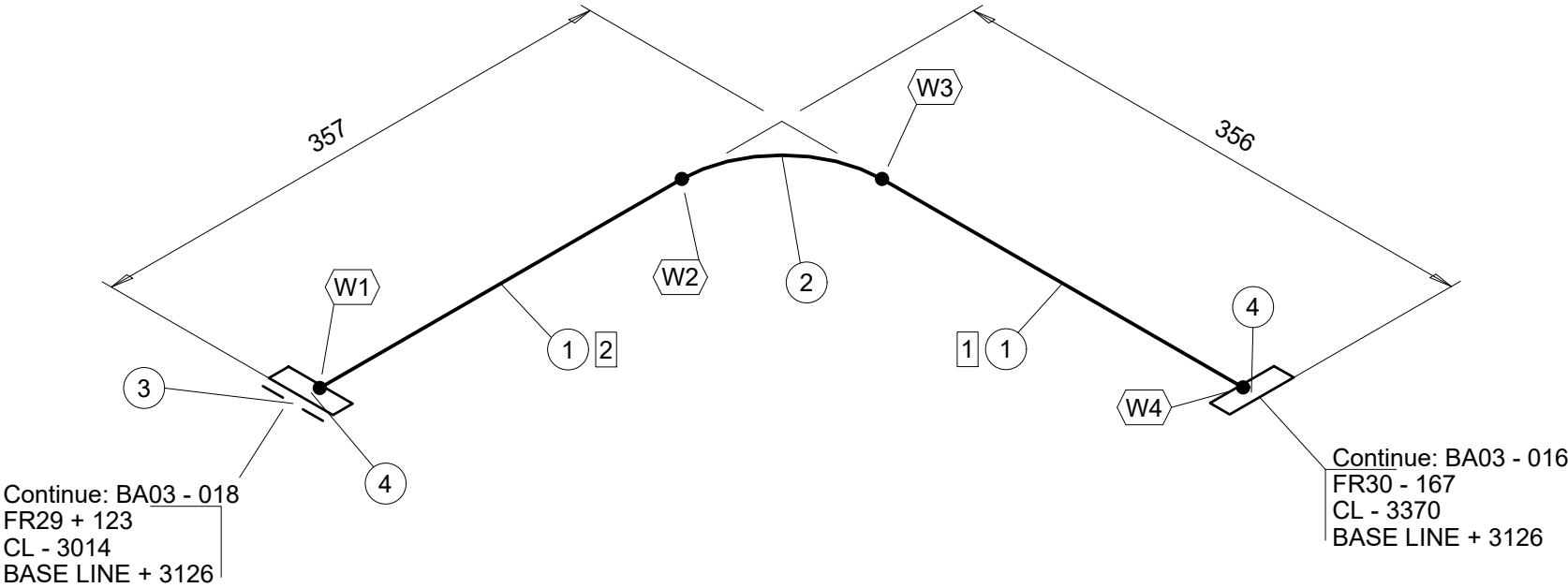
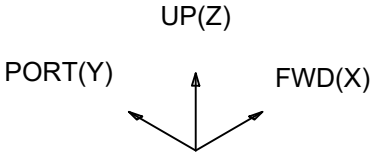




FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.19	Pipe Seamless, BW	200A Sch80	STPG370	63.80	
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90	
4	2		Flange SOFF	200A JIS5K	SS 400	6.33	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Gasket, JIS5K, Thk 3mm		200A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			200A Sch80	STPG370	1186	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:			<div><div><div>G</div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen			
Location: -				IMO No.: 9546825			
Project No: P1513				Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA03							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	38/55	BA03			B	



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.19	Pipe Seamless, BW	200A Sch80	STPG370	63.80
3	4		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
2	3	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	156
2	Pipe Seamless, BW			200A Sch80	STPG370	783
3	Pipe Seamless, BW			200A Sch80	STPG370	256
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
C	29/10/2024	TEMPLATE CHANGE			SK	TT GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By: <div><div><div>G</div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA03						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	39/55	BA03			C



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.29	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
4	2		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	200A	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	143
2	Pipe Seamless, BW	200A Sch80	STPG370	144

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.

2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

<div>YFMARINE</div>		Designed By: <div>GoltensSingapore Pte Ltd.</div>			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			







Drawing title: SPOOL-DRAWING FOR PIPE BA03					
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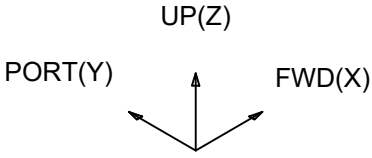
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	40/55	BA03		B

WELD AND JOINT INFORMATION

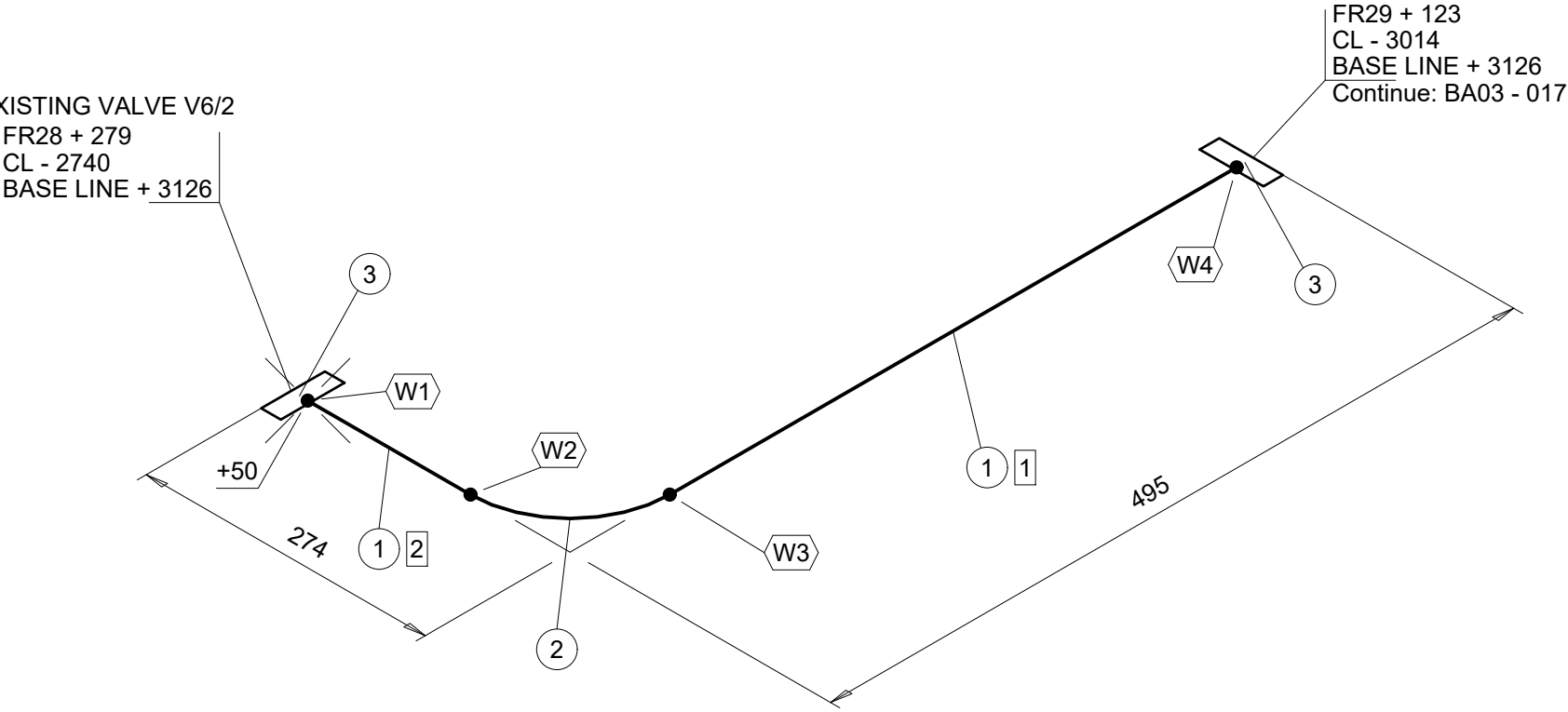
S/NO	SIZE	WELD	F/S
W1	200	SOF	SJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	SOF	SJ

<div>FR. TOP</div> <div><div>357</div><div>356</div><div>PSFW</div></div>	<div>FR. SB</div> <div><div>357</div><div>UPFW</div></div>	<div>FR. AFT</div> <div><div>356</div><div>UPPS</div></div>
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DRAWING SYMBOLS						SPOOL NAME:BA03-017										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	51 kg
									AMB	2	-	3.75				



Continue: CONNECT TO EXISTING VALVE V6/2  
FR28 + 279  
CL - 2740  
BASE LINE + 3126

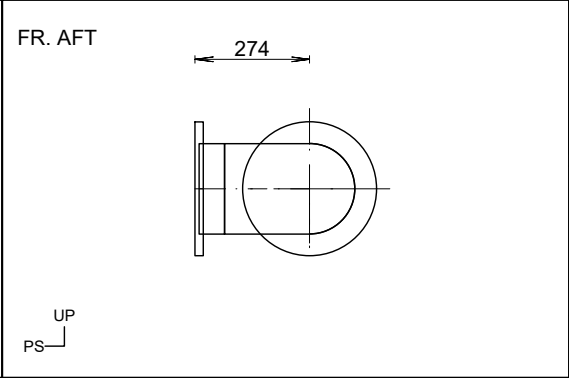
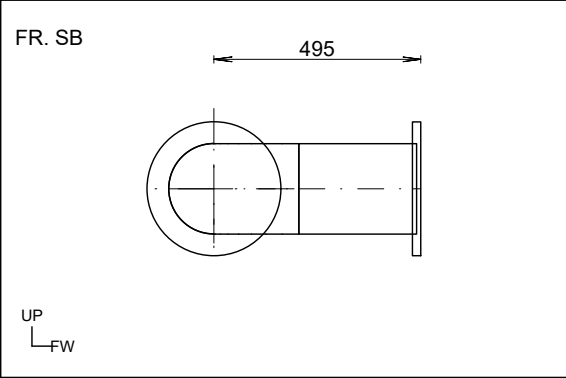
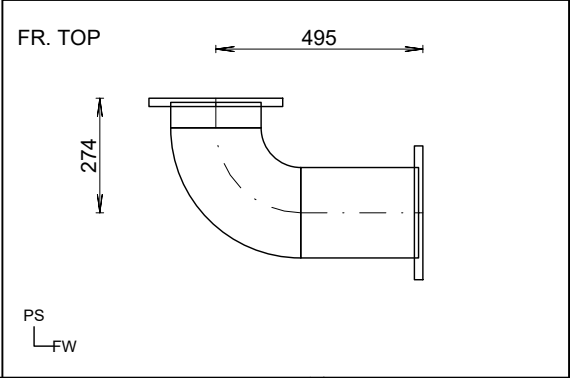








FR29 + 123  
CL - 3014  
BASE LINE + 3126  
Continue: BA03 - 017

WELD AND JOINT INFORMATION

S/NO	SIZE	WELD	F/S
W1	200	SOF	FJ
W2	200	BW	SJ
W3	200	BW	SJ
W4	200	SOF	SJ

SPECIAL NOTE: SPOOL TO BE VERIFIED ONBOARD BEFORE FABRICATION.



DRAWING SYMBOLS						SPOOL NAME:BA03-018										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	58 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL

PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.39	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2	1		Elbow 90Deg. SR, BW	200A Sch80	PG 370	19.90
3	2		Flange SOFF	200A JIS5K	SS 400	6.33

ERECTION MATERIAL

PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
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CUT INFORMATION

CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	282
2	Pipe Seamless, BW	200A Sch80	STPG370	111

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

C	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

Designed By:

Client: Orkim Ship Management

BWTS Maker Name: LeesGreen

Location: -

IMO No.: 9546825

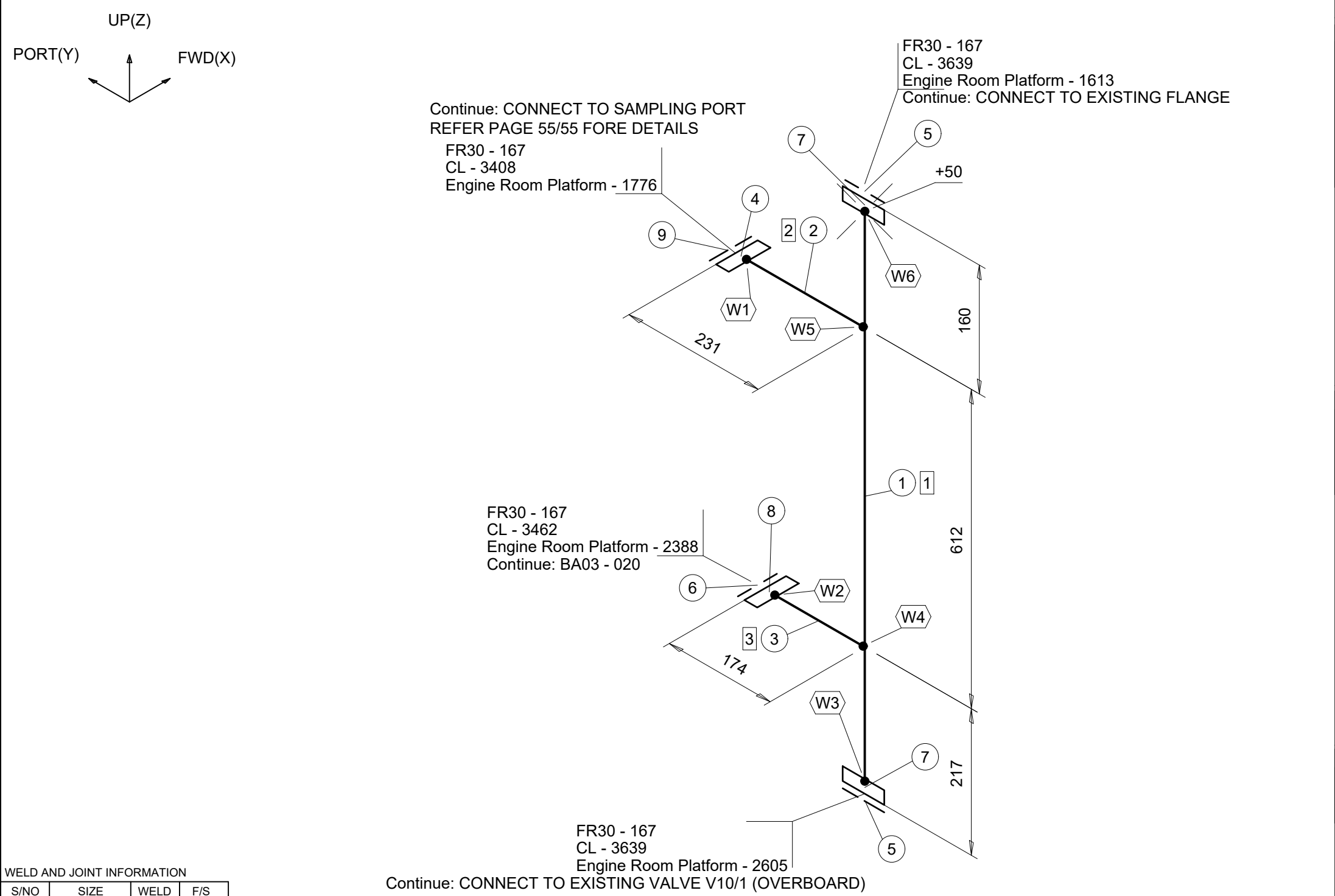
Project No: P1513

Project Name: ORKIM POWER

Drawing title:

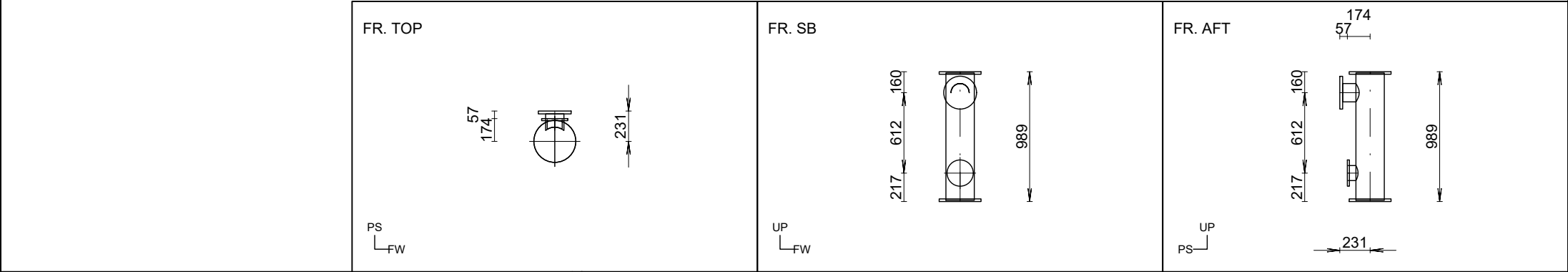
SPOOL-DRAWING FOR PIPE BA03







Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	41/55	BA03	C



WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	125	SOF	SJ
W2	100	SOF	SJ
W3	200	SOF	FJ
W4	100	FW	SJ
W5	125	FW	SJ
W6	200	SOF	FJ

SPECIAL NOTE: SPOOL TO BE VERIFIED ONBOARD BEFORE FABRICATION.



DRAWING SYMBOLS						SPOOL NAME:BA03-019										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K / PN10	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	94 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.02	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2		0.14	Pipe Seamless, BW	125A Sch80	STPG370	30.50
3		0.07	Pipe Seamless, BW	100A Sch80	STPG370	22.40
4	1		Flange SOFF	DN125 PN10	Carbon Steel	5.46
7	2		Flange SOFF	200A JIS5K	SS 400	6.33
8	1		Flange SOFF	100A JIS5K	SS 400	2.39

ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
5	2	Gasket, JIS5K, Thk 3mm		200A	CNAF	
6	1	Gasket, JIS5K, Thk 3mm		100A	CNAF	
9	1	Gasket, PN10, Thk 3mm		DN125	CNAF	

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	200A Sch80	STPG370	1020
2	Pipe Seamless, BW	125A Sch80	STPG370	136
3	Pipe Seamless, BW	100A Sch80	STPG370	75



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.

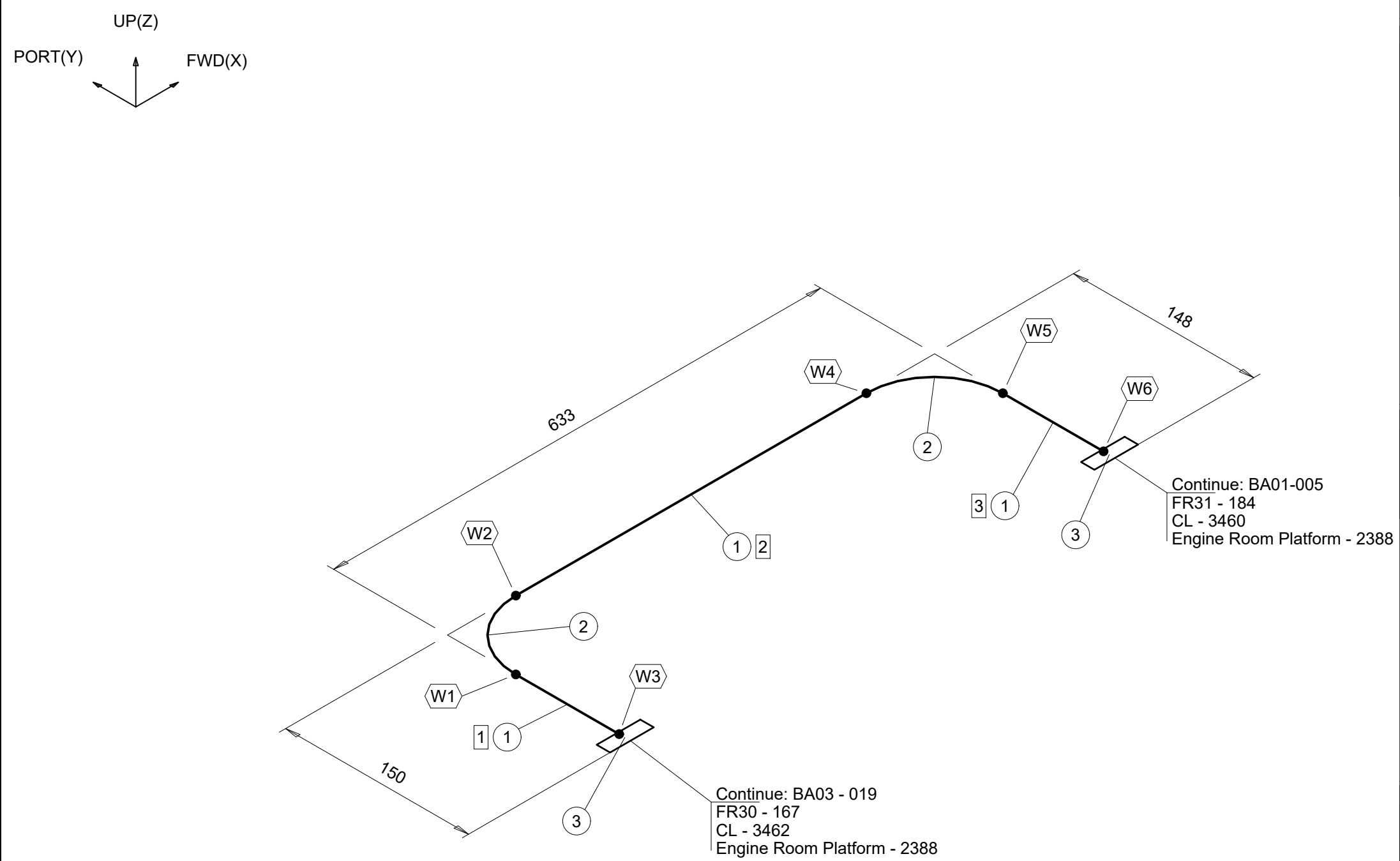
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

C	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
<div></div>			<div>Designed By: </div>		
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen		
Location: -			IMO No.: 9546825		
Project No: P1513			Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA03					
Scale N.T.S	Format A3	Sheet 42/55	Drawing No:  BA03		Revision No.  C











WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	100	BW	SJ
W2	100	BW	SJ
W3	100	SOF	SJ
W4	100	BW	SJ
W5	100	BW	SJ
W6	100	SOF	SJ

FR. TOP

FR. SB

FR. AFT

DRAWING SYMBOLS						SPOOL NAME:BA03-020										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	24 kg
									AMB	2	-	3.75				

FABRICATION MATERIAL

PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.51	Pipe Seamless, BW	100A Sch80	STPG370	22.40
2	2		Elbow 90Deg. SR, BW	100A Sch80	PG 370	3.60
3	2		Flange SOFF	100A JIS5K	SS 400	2.39

ERECTION MATERIAL

PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
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CUT INFORMATION

CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	100A Sch80	STPG370	42
2	Pipe Seamless, BW	100A Sch80	STPG370	430
3	Pipe Seamless, BW	100A Sch80	STPG370	40

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.

2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

Designed By:

Client: Orkim Ship Management

BWTS Maker Name: LeesGreen

Location: -

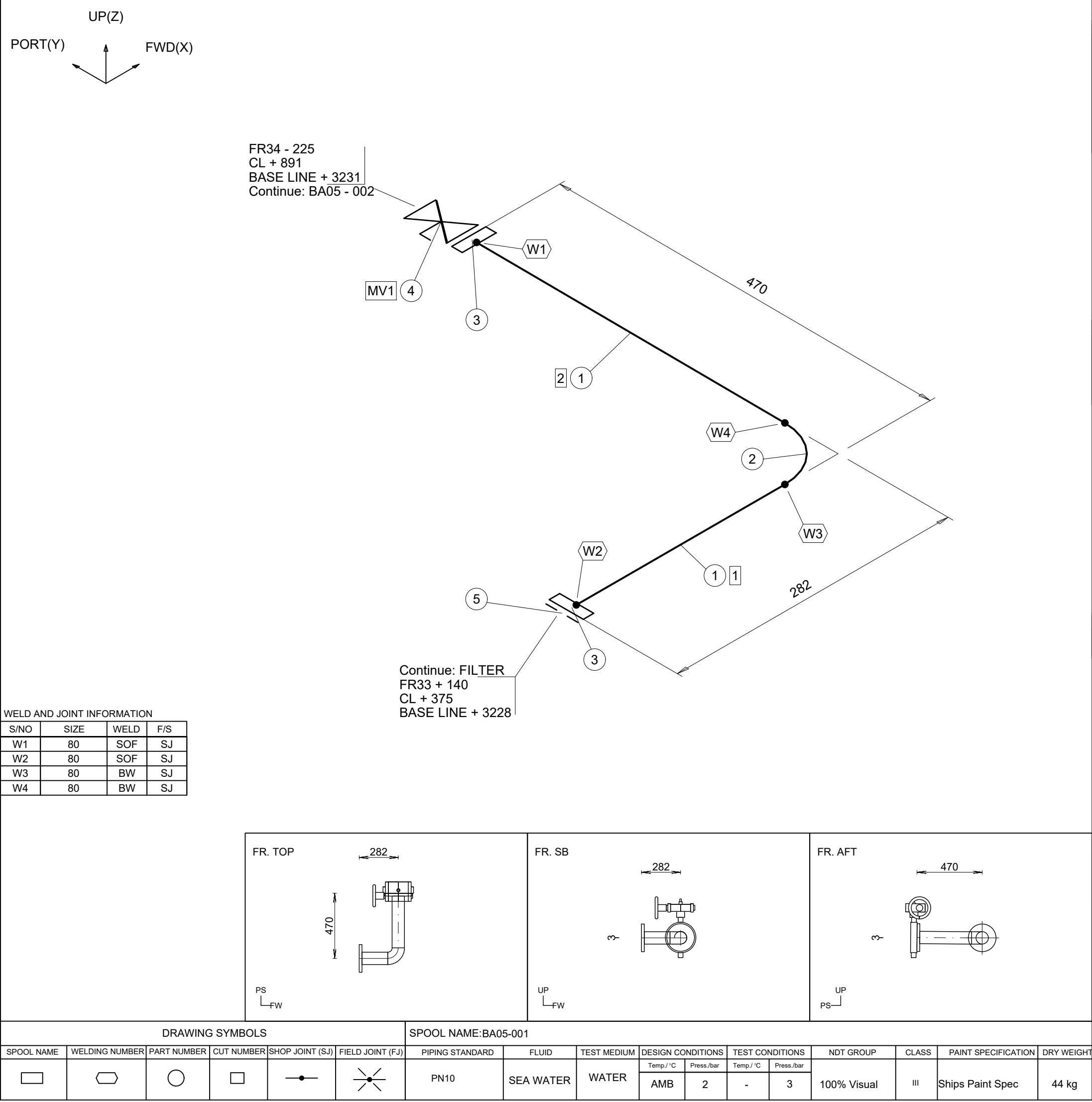
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Project No: P1513

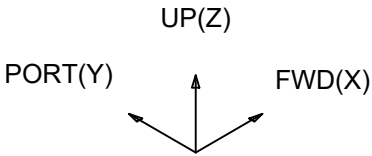
Project Name: ORKIM POWER

Drawing title: SPOOL-DRAWING FOR PIPE BA03

Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	43/55	BA03	B



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.58	Pipe Seamless, BW	80A Sch80	STPG370	15.30
2	1		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00
3	2		Flange SOFF	DN80 PN10	Carbon Steel	3.79



FR34 - 225  
CL + 1266  
Engine Room Platform - 3116  
Continue: BACKFLUSH PUMP

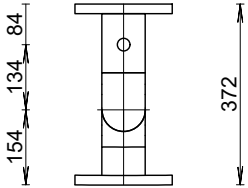
FR34 - 225  
CL + 1179  
Engine Room Platform - 3047  
Continue: CONNECT TO MV6

Continue: BA05 - 001  
FR34 - 225  
CL + 891  
BASE LINE + 3231

WELD AND JOINT INFORMATION

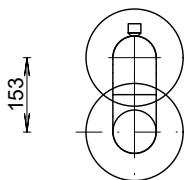
S/NO	SIZE	WELD	F/S
W1	80	SOF	SJ
W2	10	BRN	SJ
W3	80	BW	SJ
W4	80	BW	SJ
W5	80	BW	SJ
W6	80	SOF	SJ

FR. TOP



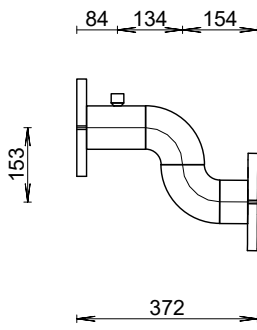
PS  
FW

FR. SB



UP  
FW

FR. AFT



UP  
PS

DRAWING SYMBOLS

SPOOL NAME:BA05-002

SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						PN10	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	11 kg
									AMB	2	-	3				

FABRICATION MATERIAL

PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.20	Pipe Seamless, BW	80A Sch80	STPG370	15.30
2	2		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00
3	2		Flange SOFF	DN80 PN10	Carbon Steel	3.79
5	1		Female boss G1/4 with male connector G1/4	-	CS	0.15

ERECTION MATERIAL



PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Gasket, PN10, Thk 3mm	DN80	CNAF	

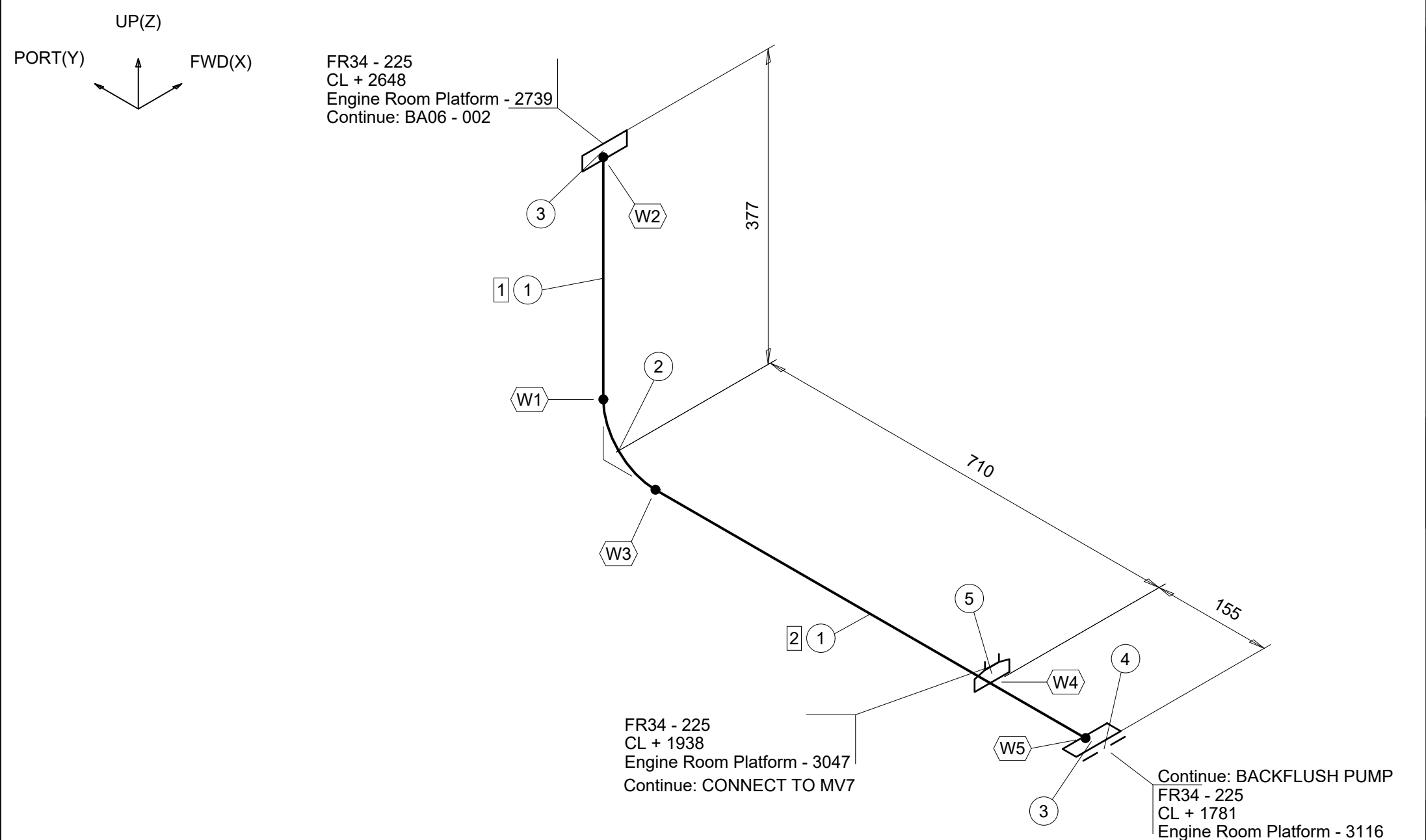
CUT INFORMATION

CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW	80A Sch80	STPG370	66
2	Pipe Seamless, BW	80A Sch80	STPG370	130

NOTES:

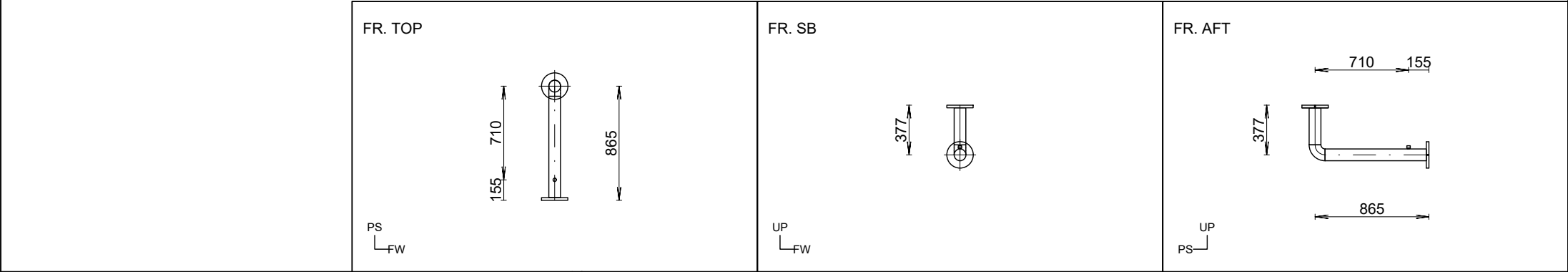
- ALL DIMENSIONS ARE IN MILLIMETERS.
- CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.
- Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.
- MATERIAL : CARBON STEEL HOT DIP GALVANIZED.







B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD
<div></div>			<div>Designed By: </div>		
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen		
Location: -			IMO No.: 9546825		
Project No: P1513			Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA05					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	45/55	BA05		B





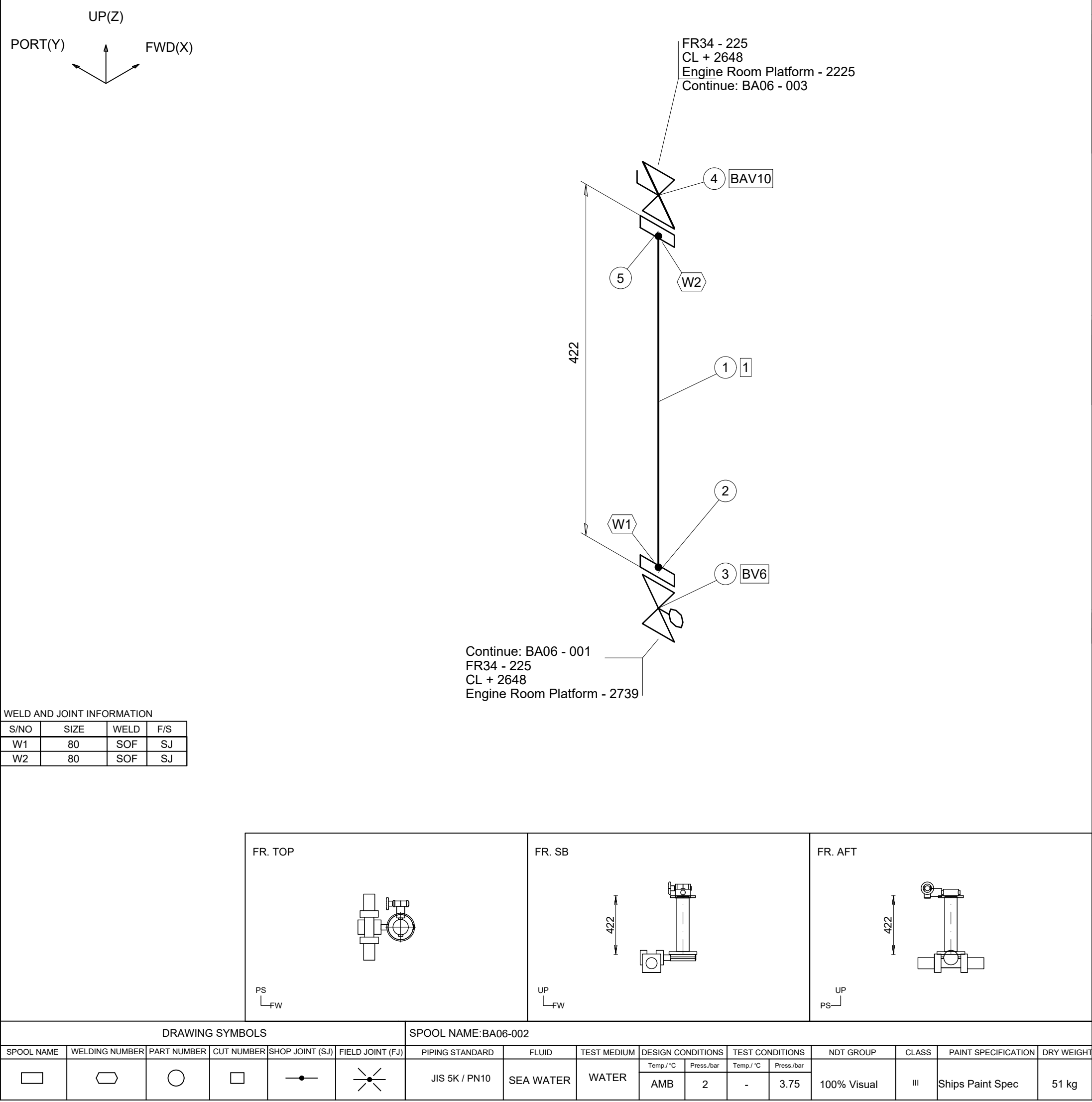
WELD AND JOINT INFORMATION



S/NO	SIZE	WELD	F/S
W1	80	BW	SJ
W2	80	SOF	SJ
W3	80	BW	SJ
W4	10	BRN	SJ
W5	80	SOF	SJ

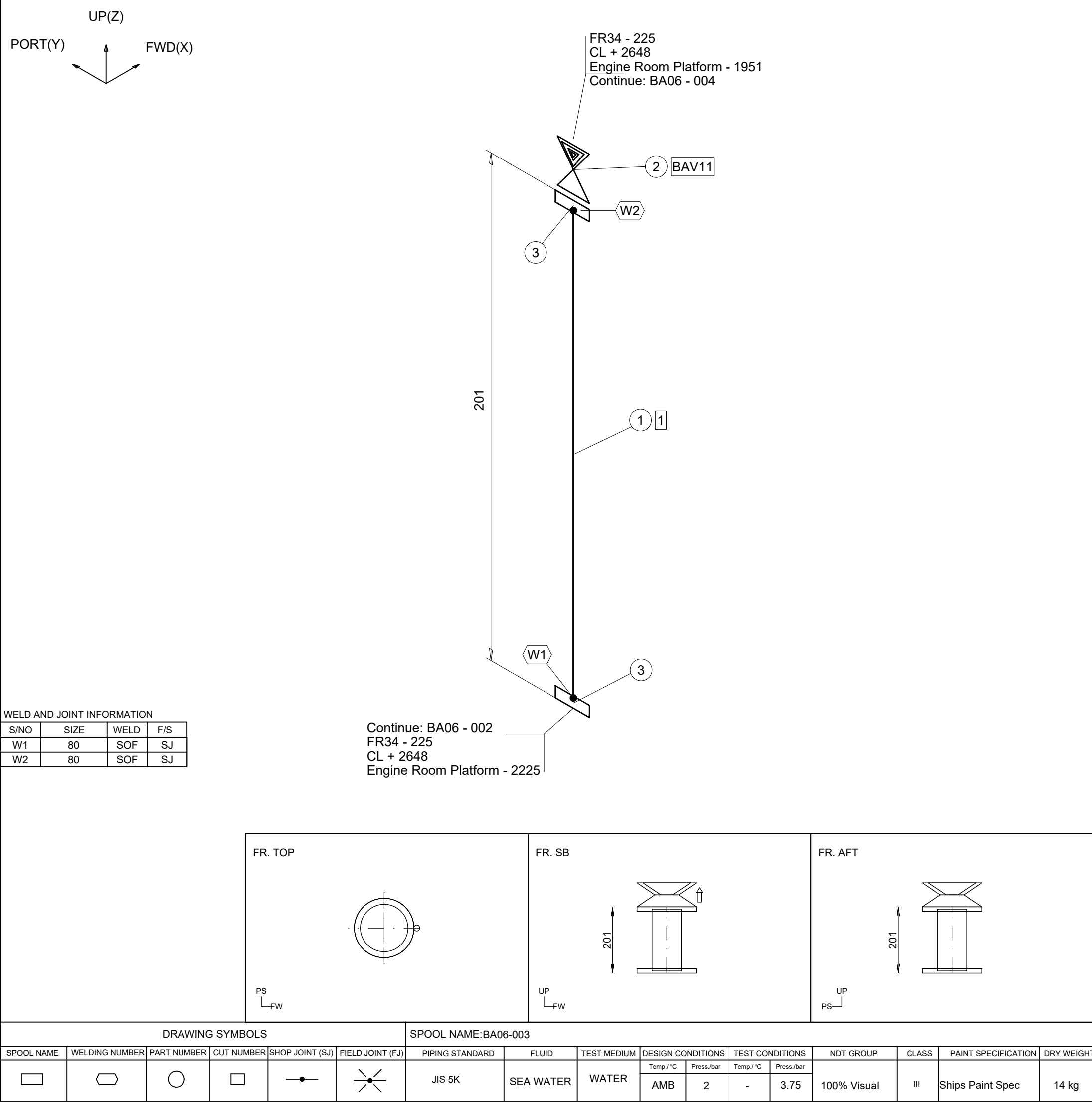




DRAWING SYMBOLS						SPOOL NAME:BA06-001										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						PN10	SEA WATER	WATER	Temp./ °C	Press./bar	Temp./ °C	Press./bar	100% Visual	III	Ships Paint Spec	24 kg
									AMB	2	-	3.75				

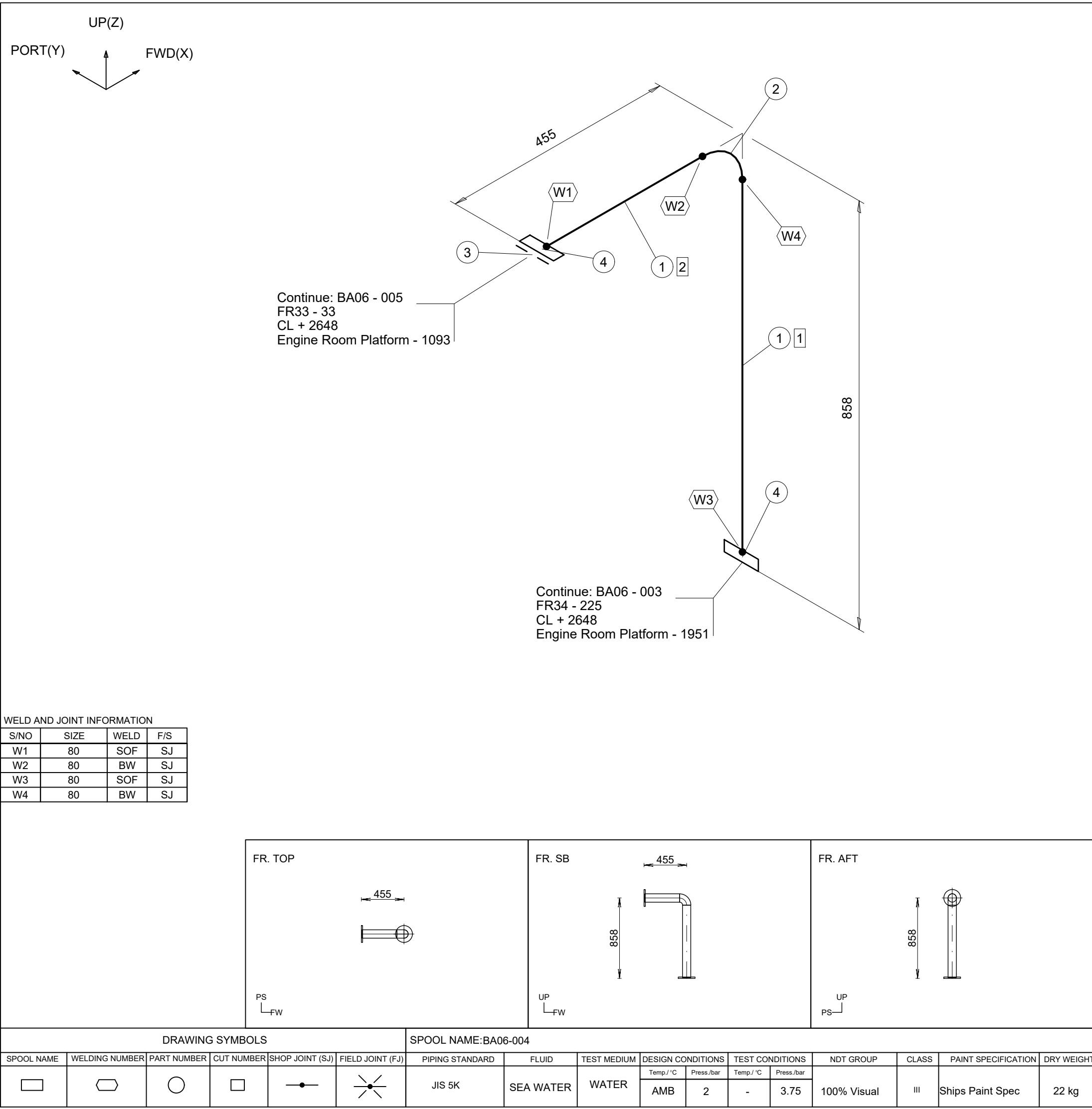
FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		1.07	Pipe Seamless, BW	80A Sch80	STPG370	15.30
2	1		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00
3	2		Flange SOFF	DN80 PN10	Carbon Steel	3.79
5	1		Female boss G1/4 with male connector G1/4	-	CS	0.15
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Gasket, PN10, Thk 3mm		DN80	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			80A Sch80	STPG370	289
2	Pipe Seamless, BW			80A Sch80	STPG370	777
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION		DRAWN BY	CHKD BY	APPRD
			Designed By: 			
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen			
Location: -			IMO No.: 9546825			
Project No: P1513			Project Name: ORKIM POWER			
Drawing title: SPOOL-DRAWING FOR PIPE BA06						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	46/55	BA06			B



FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.40	Pipe Seamless, BW	80A Sch80	STPG370	15.30	
2	1		Flange SOFF	DN80 PN10	Carbon Steel	3.79	
5	1		Flange SOFF	80A JIS5K	SS 400	1.99	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Butterfly Valve		DN80 PN10		28.57	
4	1	Butterfly valve		80A JIS 5K	FC/BC	9.70	
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			80A Sch80	STPG370	403	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
			Designed By:				
							
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA06							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	47/55	BA06			B	

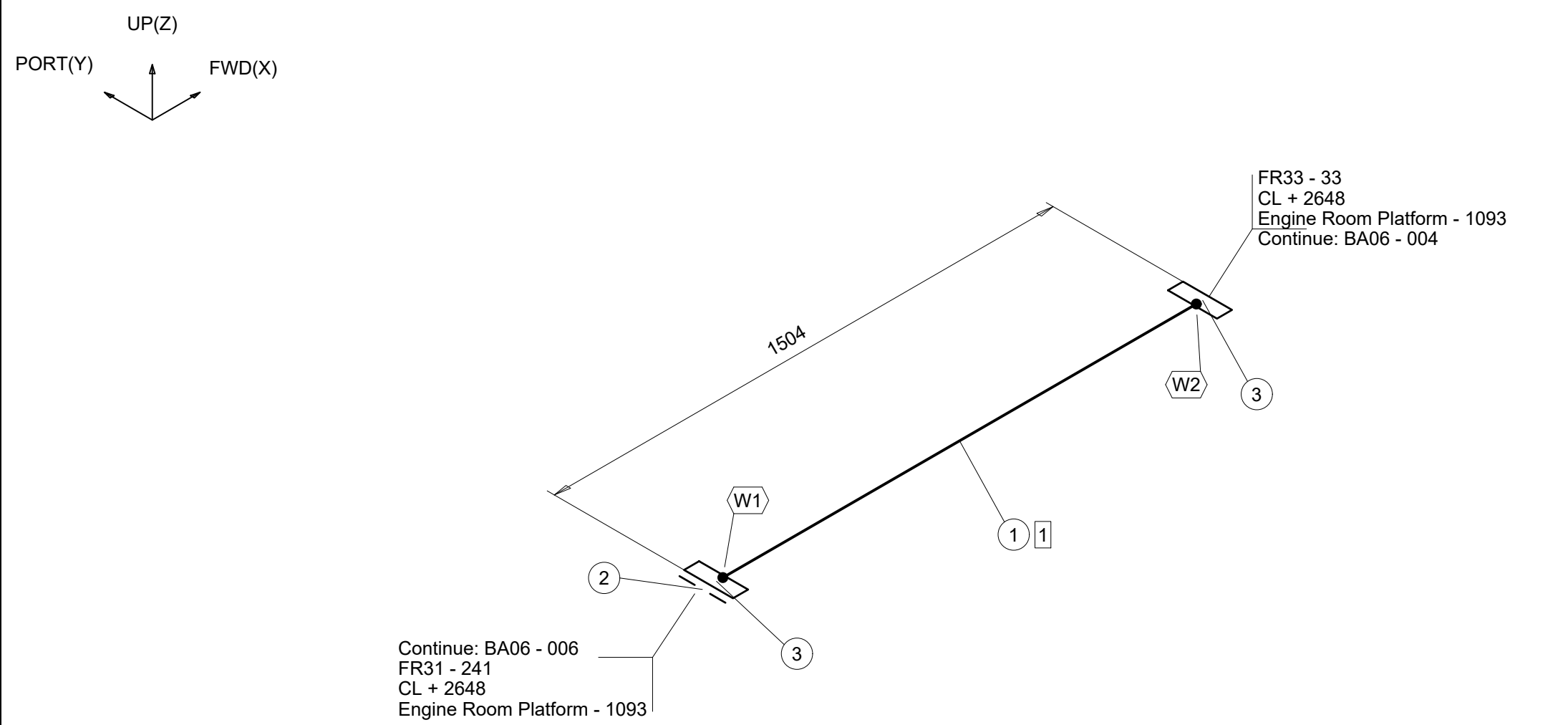


FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.19	Pipe Seamless, BW	80A Sch80	STPG370	15.30	
3	2		Flange SOFF	80A JIS5K	SS 400	1.99	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
2	1	Dual Plate Check valve		80A JIS5K	-	6.50	
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			80A Sch80	STPG370	188	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
				Designed By:			
							Goltens Singapore Pte Ltd.
Client:		Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location:		-		IMO No.:		9546825	
Project No:		P1513		Project Name:		ORKIM POWER	
Drawing title:							
SPOOL-DRAWING FOR PIPE BA06							
Scale	Format	Sheet	Drawing No:				Revision No.
N.T.S	A3	48/55	BA06				B

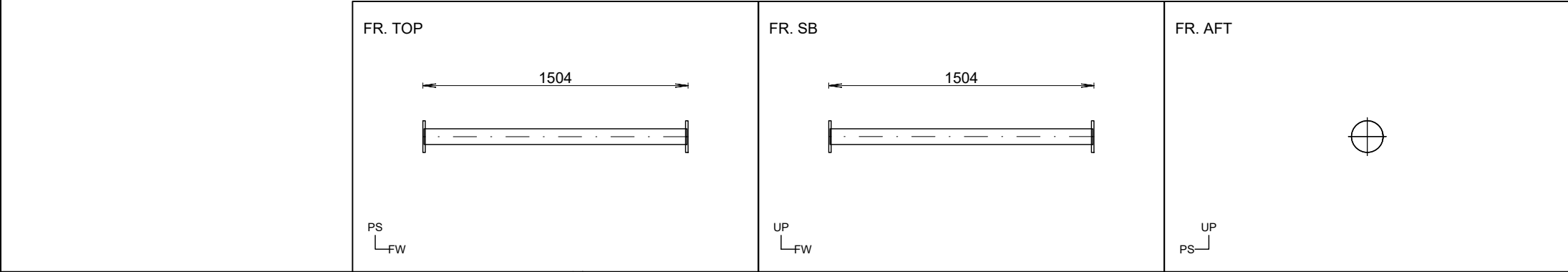








FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.15	Pipe Seamless, BW	80A Sch80	STPG370	15.30	
2	1		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00	
4	2		Flange SOFF	80A JIS5K	SS 400	1.99	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Gasket, JIS5K, Thk 3mm		80A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			80A Sch80	STPG370	776	
2	Pipe Seamless, BW			80A Sch80	STPG370	373	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:			<div><div><div></div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen			
Location: -				IMO No.: 9546825			
Project No: P1513				Project Name: ORKIM POWER			
Drawing title:							
SPOOL-DRAWING FOR PIPE BA06							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	49/55	BA06			B	





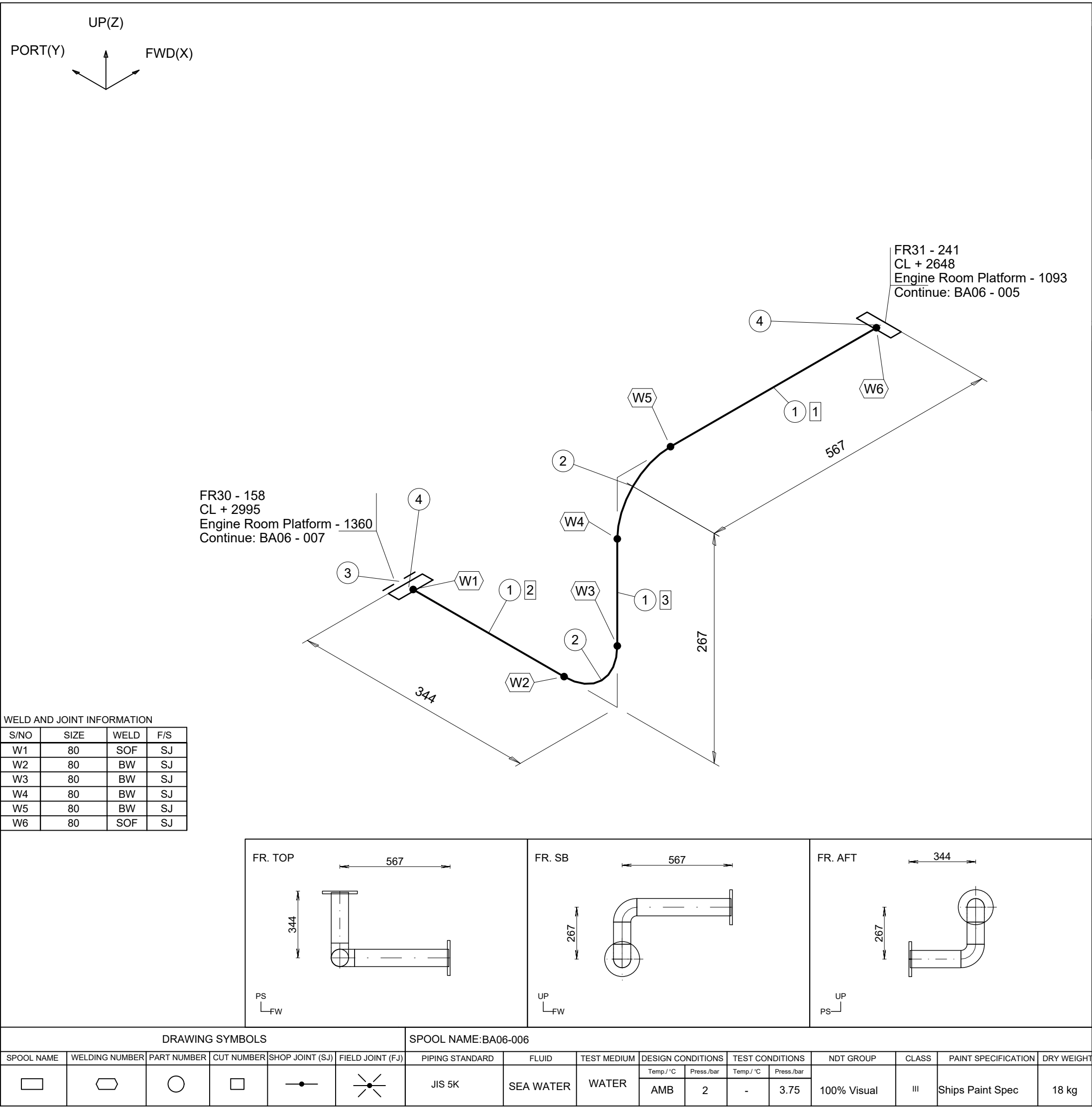


WELD AND JOINT INFORMATION			
S/NO	SIZE	WELD	F/S
W1	80	SOF	SJ
W2	80	SOF	SJ

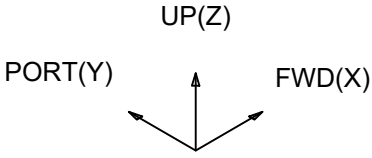


DRAWING SYMBOLS						SPOOL NAME:BA06-005										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						JIS 5K	SEA WATER	WATER	Temp./°C	Press./bar	Temp./°C	Press./bar	100% Visual	III	Ships Paint Spec	27 kg
									AMB	2	-	3.75				

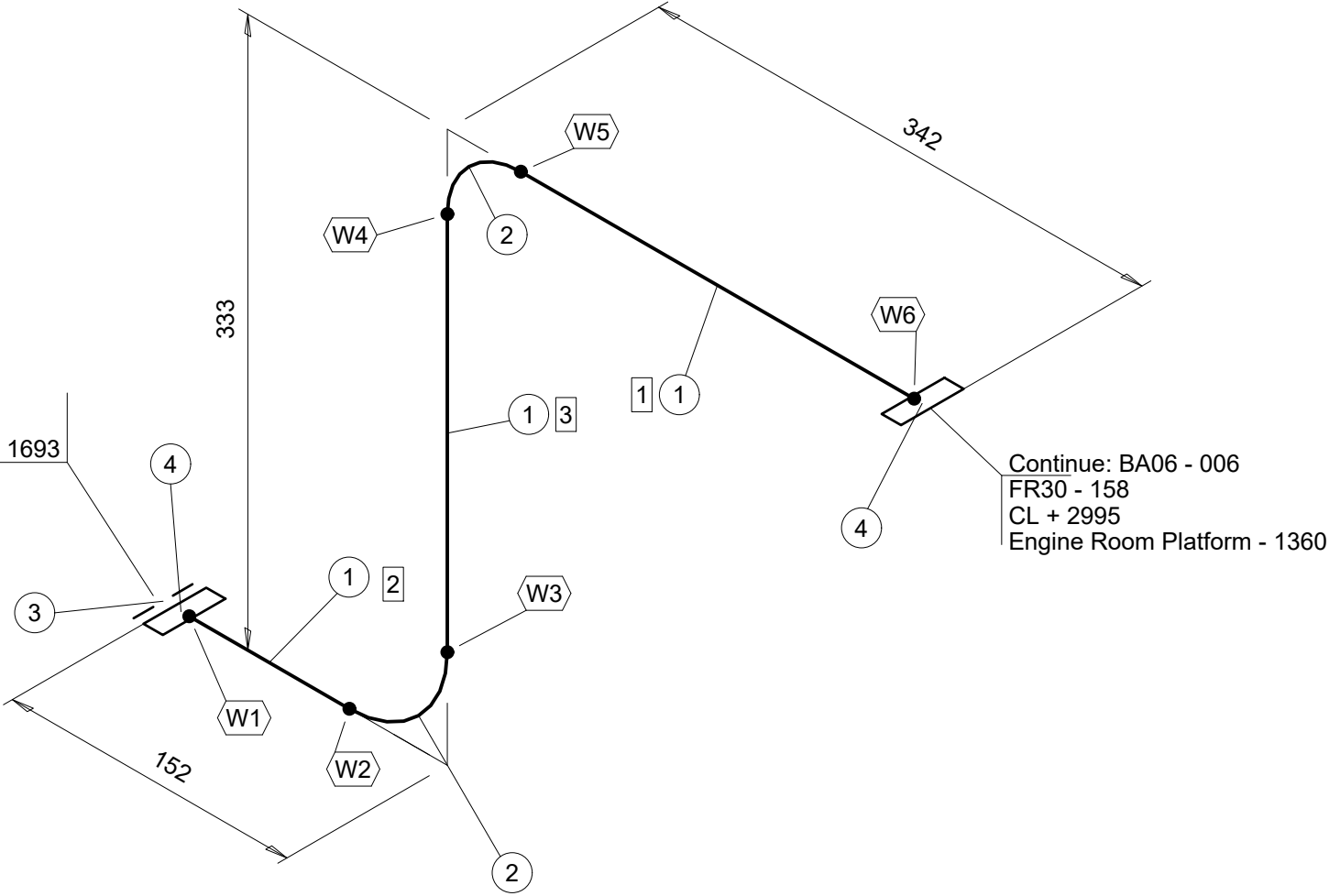
FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		1.49	Pipe Seamless, BW	80A Sch80	STPG370	15.30	
3	2		Flange SOFF	80A JIS5K	SS 400	1.99	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
2	1	Gasket, JIS5K, Thk 3mm		80A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			80A Sch80	STPG370	1491	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE			SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
				Designed By:			
Client:		Orkim Ship Management		BWTS Maker Name:		LeesGreen	
Location:		-		IMO No.:		9546825	
Project No:		P1513		Project Name:		ORKIM POWER	
Drawing title:							
SPOOL-DRAWING FOR PIPE BA06							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	50/55	BA06			B	



FABRICATION MATERIAL							
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)	
1		0.86	Pipe Seamless, BW	80A Sch80	STPG370	15.30	
2	2		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00	
4	2		Flange SOFF	80A JIS5K	SS 400	1.99	
ERECTION MATERIAL							
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)	
3	1	Gasket, JIS5K, Thk 3mm		80A	CNAF		
CUT INFORMATION							
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)	
1	Pipe Seamless, BW			80A Sch80	STPG370	485	
2	Pipe Seamless, BW			80A Sch80	STPG370	261	
3	Pipe Seamless, BW			80A Sch80	STPG370	115	
NOTES:							
1. ALL DIMENSIONS ARE IN MILLIMETERS.							
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.							
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.							
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.							
B	29/10/2024	TEMPLATE CHANGE		SK	TT	GC	
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC	
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY	APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>			Designed By:				
			<div><div><div>G</div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>				
Client: Orkim Ship Management			BWTS Maker Name: LeesGreen				
Location: -			IMO No.: 9546825				
Project No: P1513			Project Name: ORKIM POWER				
Drawing title:							
SPOOL-DRAWING FOR PIPE BA06							
Scale	Format	Sheet	Drawing No:			Revision No.	
N.T.S	A3	51/55	BA06			B	



FR30 - 158  
CL + 3492  
Engine Room Platform - 1693  
Continue: BA06 - 008



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.51	Pipe Seamless, BW	80A Sch80	STPG370	15.30
2	2		Elbow 90Deg. SR, BW	80A Sch80	PG 370	0.00
4	2		Flange SOFF	80A JIS5K	SS 400	1.99

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
3	1	Gasket, JIS5K, Thk 3mm	80A	CNAF	

CUT INFORMATION					
CUT NO.	DESCRIPTION		SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW		80A Sch80	STPG370	259
2	Pipe Seamless, BW		80A Sch80	STPG370	70
3	Pipe Seamless, BW		80A Sch80	STPG370	181

NOTES:  
1. ALL DIMENSIONS ARE IN MILLIMETERS.  
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.  
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.  
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.

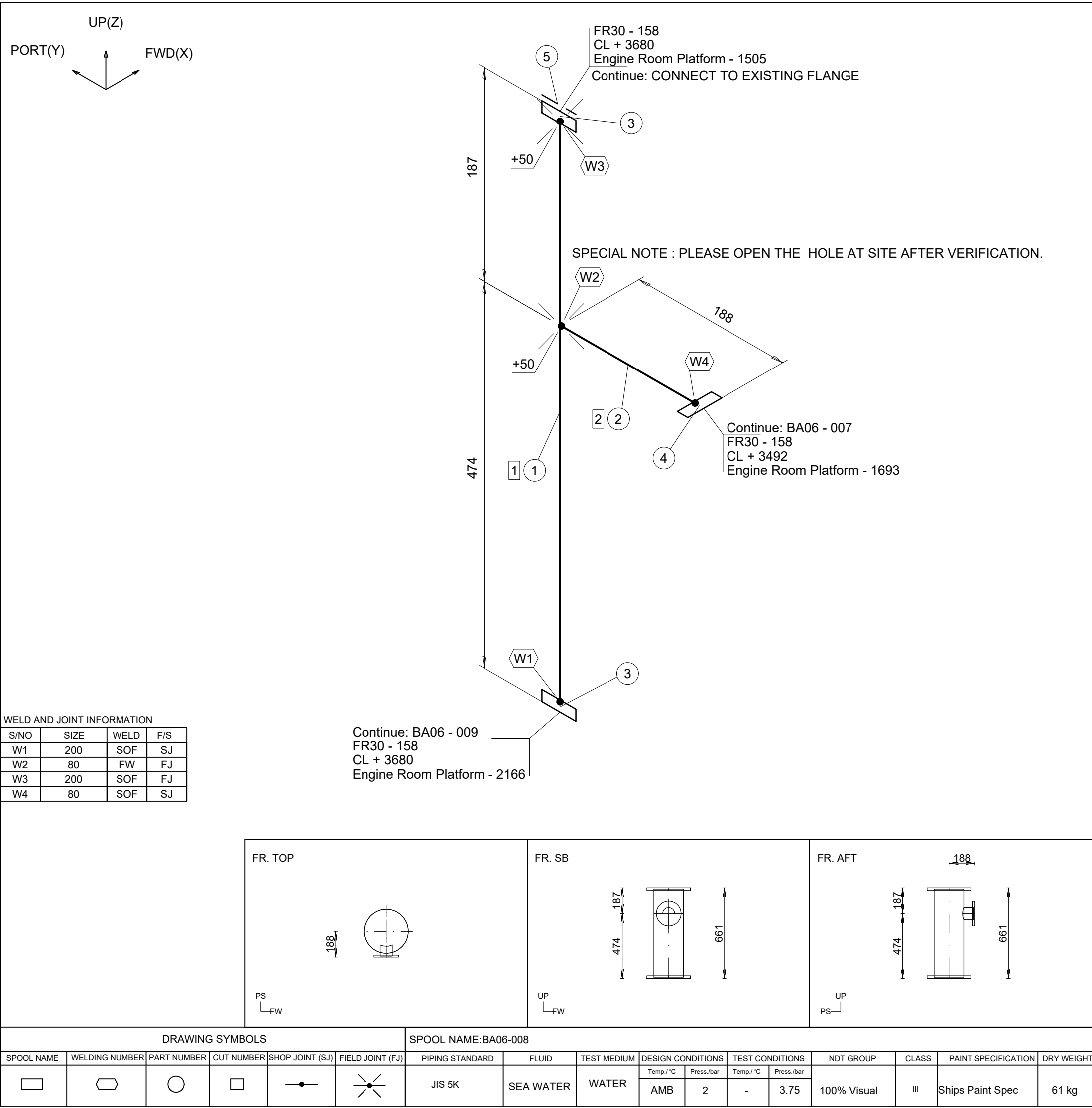
B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

		Designed By:			
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			

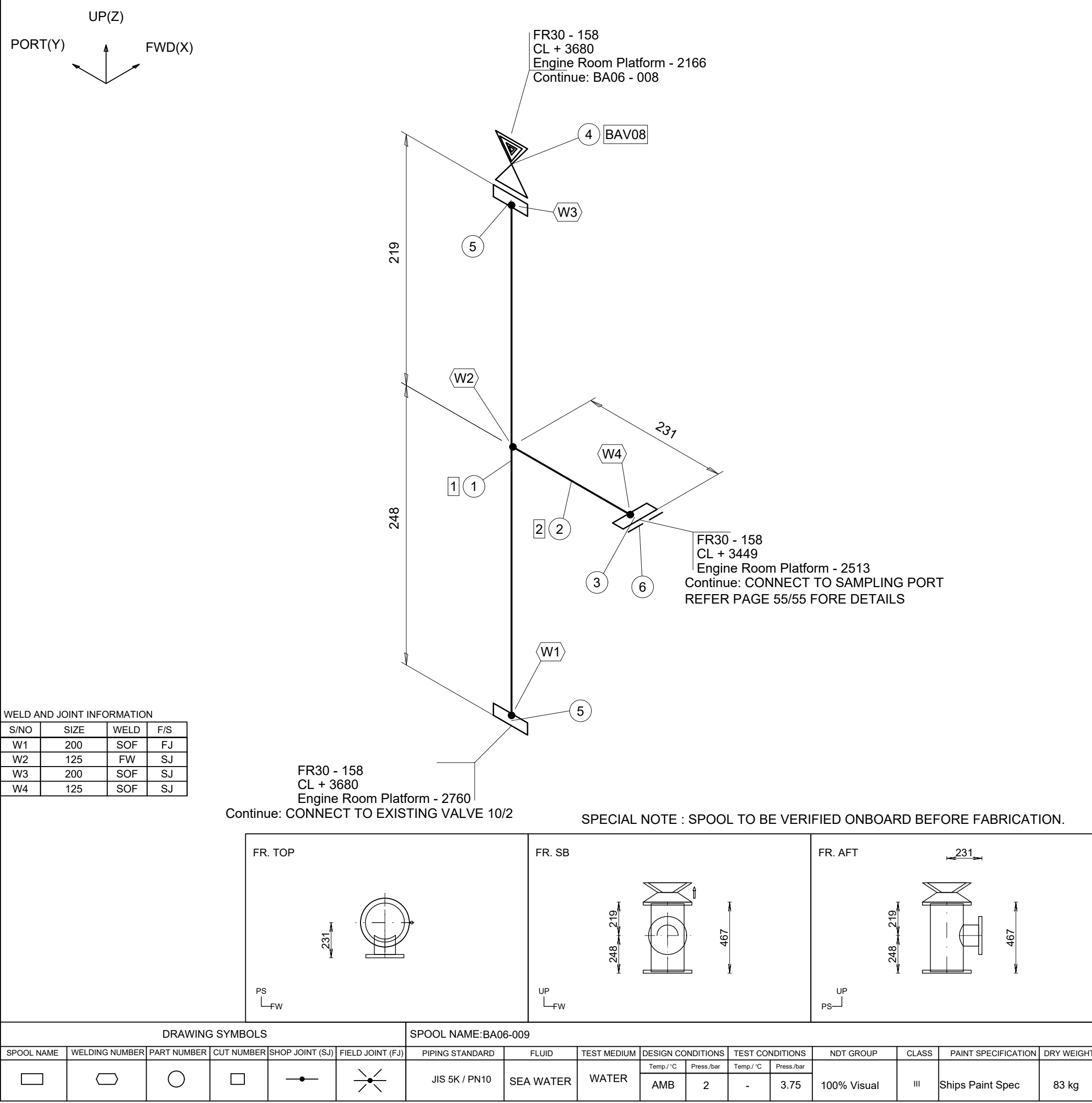
Drawing title:

SPOOL-DRAWING FOR PIPE BA06

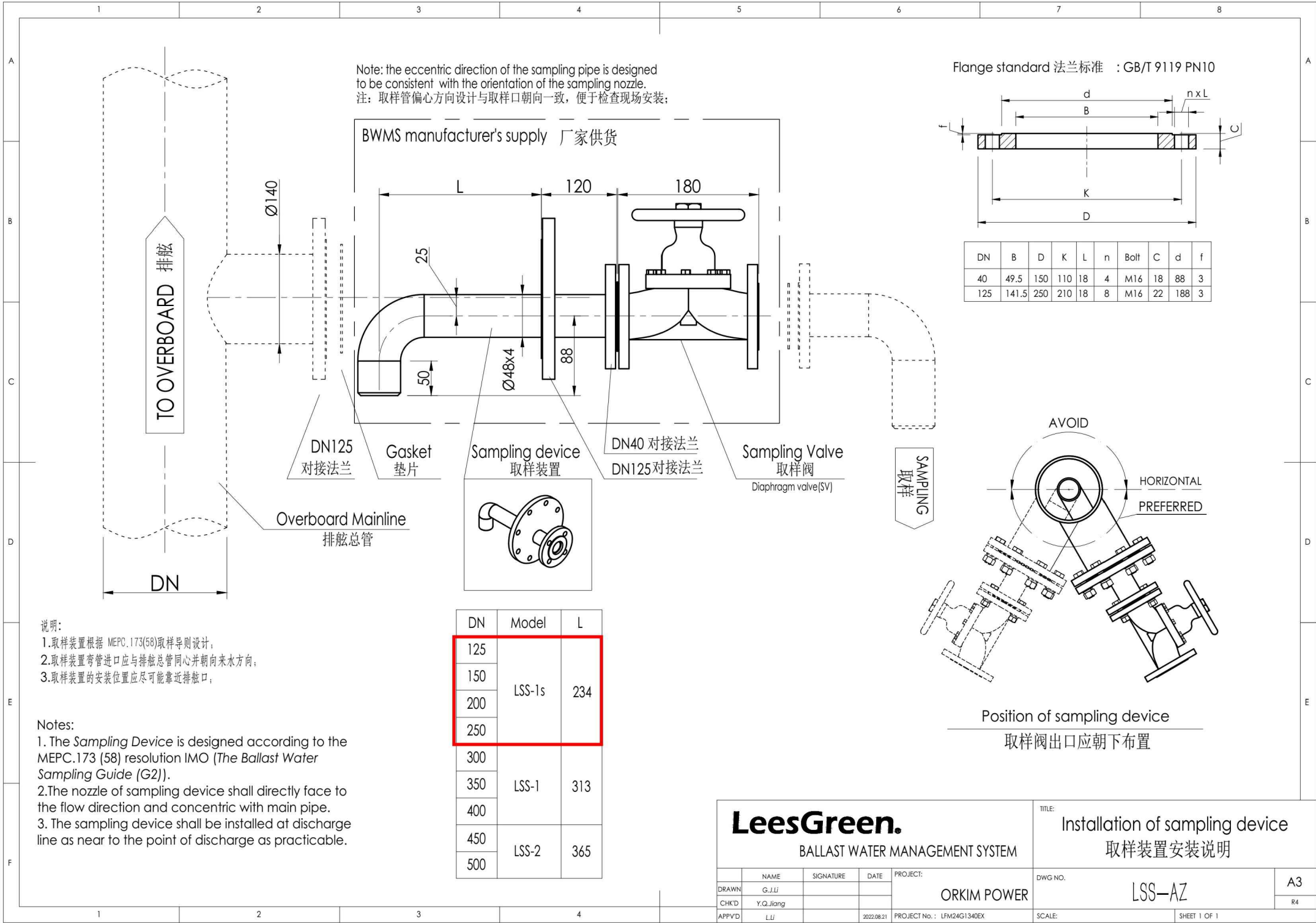
Scale	Format	Sheet	Drawing No:	Revision No.
N.T.S	A3	52/55	BA06	B



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.69	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2		0.13	Pipe Seamless, BW	80A Sch80	STPG370	15.30
3	2		Flange SOFF	200A JIS5K	SS 400	6.33
4	1		Flange SOFF	80A JIS5K	SS 400	1.99
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
5	1	Gasket, JIS5K, Thk 3mm		200A	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	691
2	Pipe Seamless, BW			80A Sch80	STPG370	133
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
C	29/10/2024	TEMPLATE CHANGE		SK	TT	GC
B	28/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION		SK	TT	GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By:		
				<div><div><div></div><div>Goltens</div><div>Singapore Pte Ltd.</div></div></div>		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title:						
SPOOL-DRAWING FOR PIPE BA06						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	53/55	BA06			C



FABRICATION MATERIAL						
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)
1		0.45	Pipe Seamless, BW	200A Sch80	STPG370	63.80
2		0.14	Pipe Seamless, BW	125A Sch80	STPG370	30.50
3	1		Flange SOFF	DN125 PN10	Carbon Steel	5.46
5	2		Flange SOFF	200A JIS5K	SS 400	6.33
ERECTION MATERIAL						
PART	QTY.	DESCRIPTION		SIZE	MATERIAL	UNIT Wt. (kg)
4	1	Dual Plate Check valve		200A JIS5K	-	29.00
6	1	Gasket, PN10, Thk 3mm		DN125	CNAF	
CUT INFORMATION						
CUT NO.	DESCRIPTION			SIZE	MATERIAL	CUT LENGTH (mm)
1	Pipe Seamless, BW			200A Sch80	STPG370	448
2	Pipe Seamless, BW			125A Sch80	STPG370	136
NOTES:						
1. ALL DIMENSIONS ARE IN MILLIMETERS.						
2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS.						
3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.						
4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED.						
C	29/10/2024	TEMPLATE CHANGE			SK	TT GC
B	28/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
A	25/10/2024	ISSUED FOR CONSTRUCTION			SK	TT GC
REV.	DATE	DESCRIPTION			DRAWN BY	CHKD BY APPRD
<div><div><div>YF</div><div>YFMARINE</div></div></div>				Designed By: <div><div><div>G</div><div>oltens</div><div>Singapore Pte Ltd.</div></div></div>		
Client: Orkim Ship Management				BWTS Maker Name: LeesGreen		
Location: -				IMO No.: 9546825		
Project No: P1513				Project Name: ORKIM POWER		
Drawing title: SPOOL-DRAWING FOR PIPE BA06						
Scale	Format	Sheet	Drawing No:			Revision No.
N.T.S	A3	54/55	BA06			C



FABRICATION MATERIAL					
PART	QTY.	LENGTH (m)	DESCRIPTION	SIZE	MATERIAL
UNIT Wt. (kg)					

ERECTION MATERIAL					
PART	QTY.	DESCRIPTION	SIZE	MATERIAL	UNIT Wt. (kg)

CUT INFORMATION				
CUT NO.	DESCRIPTION	SIZE	MATERIAL	CUT LENGTH (mm)

NOTES:



1. ALL DIMENSIONS ARE IN MILLIMETERS







2. CUT PIPE LENGTHS ARE CALCULATED FOR NOMINAL FITTING DIMENSIONS

3. Y-CO-ORDINATE IS ' + ' ON PORT SIDE OF CENTER LINE, AND ' - ' ON STBD. SIDE.

4. MATERIAL : CARBON STEEL HOT DIP GALVANIZED

B	29/10/2024	TEMPLATE CHANGE	SK	TT	GC
A	25/10/2024	ISSUED FOR CONSTRUCTION	SK	TT	GC
REV.	DATE	DESCRIPTION	DRAWN BY	CHKD BY	APPRD

		Designed By:			
					
Client: Orkim Ship Management		BWTS Maker Name: LeesGreen			
Location: -		IMO No.: 9546825			
Project No: P1513		Project Name: ORKIM POWER			

DRAWING SYMBOLS						SPOOL NAME:SAMPLING PORT										
SPOOL NAME	WELDING NUMBER	PART NUMBER	CUT NUMBER	SHOP JOINT (SJ)	FIELD JOINT (FJ)	PIPING STANDARD	FLUID	TEST MEDIUM	DESIGN CONDITIONS		TEST CONDITIONS		NDT GROUP	CLASS	PAINT SPECIFICATION	DRY WEIGHT
						PN10			Temp./ °C	Press./bar	Temp./ °C	Press./bar		III		

SPOOL-DRAWING FOR PIPE SAMPLING PORT					
Scale	Format	Sheet	Drawing No:		Revision No.
N.T.S	A3	55/55	SAMPLING PORT		B