

Sample: FIWP

-Field Installation Work Package

Cooling Water System
Rig in Place 18 Spools
512 Man hours
FIWP: L-12-34-015-12345



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1. Constraints

FIWP	L-12-34-015-12345	Cooling Water	Date
Revision	0		
Related to FIWPs	L-12-34-013/014/016	Threaded branches	
Discipline	Pipe		
Permit	Green Field		
Schedule ID	Activity ID P-1234	March 16/ 08 - May 14/08	
WorkFace Planner		Johnny Fitswell	Jan-31
Material Confirmed	Warehouse	Short one set of studs, two shoes	Feb-18
Material Requested	Heather		Mar-17
Required On Site			Mar-31
Scaffold Requested	Req # S-1234		Mar-14
Scaffold Confirmed		Billy Tubnclamp	Mar-24
Equipment Requested	Req # E-2456	60' Manlift, 65 ton crane.	Mar-12
Prerequisites	Civil Complete		Nov-24
	Equipment Set		Jan-12
	Steel Erected		Mar-11

Reviewed by		Comments	
Superintendent			
General Foreman			
Safety Representative			
Quality Control			
Foreman			

Recalled	By:	Reason:	
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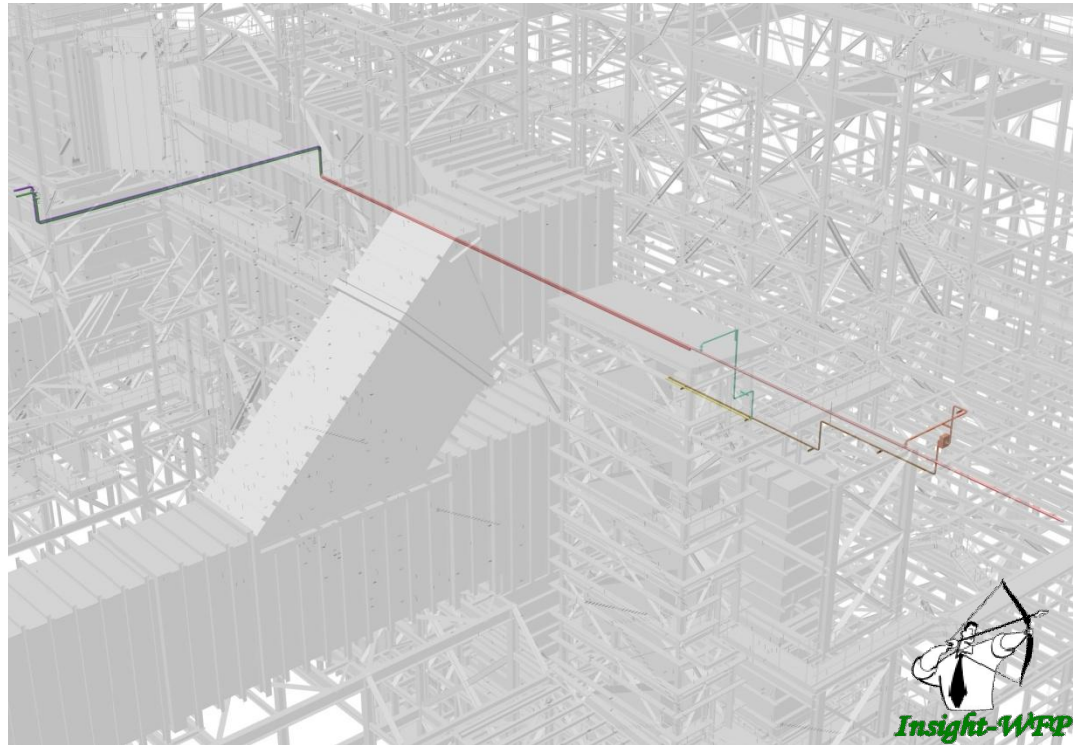
2. Scope

Secure in place the 18 spools identified. Install with wire rope and Crosby clamps, hot bolt flange connections in preparation for welding on the next shift. Work is 45' above grade, scaffold has been built for the east end connections. 60' Manlift is booked for the west end connections. 60 ton crane with jib has been reserved for 75% use. 25% Share with the Iron workers in the NE quadrant. – Equipment Coordinator is Ed on Radio channel 12B.

The spools c/w studs nuts and gaskets will be delivered to drop zone # 15 overnight on Sunday Mar 30th.

Shorts: One set of 1" studs and two shoes are missing and on back order. Due on Tuesday. Check the rigging trailer to see that there is enough rigging and order any shorts from the tool crib.

Planned Value: 512 hours.



3. Safety Review

This work is to be performed at heights from manlifts and scaffolds.

Standard Precautions: Prior to each shift please conduct a tool box safety review. Make mention of the dangers of working at heights and ask for the crew's input on what could be done to reduce or remove any known hazards.

Full body harnesses must be worn at all times with 100% tie off while in the manlifts.

Be aware that the Ironworkers are working in the structure in the NE quadrant. Please coordinate directly with the Forman, Bob Enweave on radio channel 11A.

Execute the Vehicle inspection checklist prior to each operation of the manlift and bring awareness to any other moving pieces of equipment. All manlift operators must be certified.

Please do not use any part of the scaffolds to support or brace rigging.

Have a safe day

Susan Petit

Safety Evangelist.

555-0911



4. Quality Review

Our WCCC Quality Manual has specific QC requirements for the rigging of spools as outlined on the attached Inspection and Test Plan.

Please reference the indicated sections of the WCCC quality manual online at: [Q drive/QualityManual/PipeRigging](#), for the details of our standard practices.

As the work is executed please ensure that the yellow boxes are signed and dated by the Foreman.

The green boxes will be signed off by the QC inspector as validation when the FIWP is returned complete.

Thanks

Doug

555-6589



[illegible]

Inspection and Test Plan

[illegible]

W- Witness

DR-Document Review

5. Trade Coordination

This work is high in the pipe rack in the center north end of the project. Ironworkers are scheduled to be working in the NE quadrant. Please coordinate activities with them. Bob Enweave on radio channel 11A.

Boilermakers are working further west and there may be some interruption from them as they set a vessel on Thursday.

Another Pipefitting crew is working to the East, welding spools.

Please use an appropriate amount of red flagging while flying the spools in and then replace it with Yellow caution tape when the imminent danger has passed. This will reduce the amount of impact that you have on other crews.



6. Material Take Off

Pipe Work Pack - Spools List

Work Package: **FIWP: L-12-34-015-12345**

Spool ID	ISO	Sheet	Rev	Bore	Material	Spec	Area	Service	Sys	QTY	UOM
SPOOL ISO-L-66K130-1A	ISO-L-66K130-1		0	12"	CS	UB-11S	ISO	K		14.42	LF
SPOOL ISO-L-66K130-1B	ISO-L-66K130-1		0	12"	CS	UB-11S	ISO	K		2.98	LF
SPOOL ISO-L-66K130-1C	ISO-L-66K130-1		0	12"	CS	UB-11S	ISO	K		27.82	LF
SPOOL ISO-L-66K130-1D	ISO-L-66K130-1		0	12"	CS	UB-11S	ISO	K		12.46	LF
SPOOL ISO-L-66K81-1A	ISO-L-66K81-1		0	12"	CS	UB-11S	ISO	K		14.41	LF
SPOOL ISO-L-66K81-1B	ISO-L-66K81-1		0	12"	CS	UB-11S	ISO	K		2.98	LF
SPOOL ISO-L-66K81-1C	ISO-L-66K81-1		0	12"	CS	UB-11S	ISO	K		27.82	LF
SPOOL ISO-L-66K81-1D	ISO-L-66K81-1		0	12"	CS	UB-11S	ISO	K		12.46	LF
SPOOL ISO-L-66LS16-1A	ISO-L-66LS16-1		0	16"	CS	INST_IT	ISO	LS		33.60	LF
SPOOL ISO-L-66LS16-2A	ISO-L-66LS16-2		0	16"	CS	SB-1	ISO	LS		9.39	LF
SPOOL ISO-L-66LS16-2B	ISO-L-66LS16-2		0	16"	CS	SB-1	ISO	LS		0.70	LF
SPOOL ISO-L-66LS3-1A	ISO-L-66LS3-1		0	16"	CS	INST_IT	ISO	LS		33.59	LF
SPOOL ISO-L-66LS3-2A	ISO-L-66LS3-2		0	16"	CS	SB-1	ISO	LS		7.60	LF
SPOOL ISO-L-66LS3-2B	ISO-L-66LS3-2		0	16"	CS	SB-1	ISO	LS		0.70	LF



Pipe Work Pack - Field Materials

Work Package: FIWP: L-12-34-015-12345

ISO	Sht	Rev	Mat'l Code	BOM Description	Bore	Mat'l Spec	Qty	UOM
ISO-L-66K130-1	0	_0		BLIND FLANGE RF FS A105-N	0.75	CS UB-11S	1	EA
ISO-L-66K130-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	8	EA
ISO-L-66K130-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	16	EA
ISO-L-66K130-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	48	EA
ISO-L-66K130-1	0	_1		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	12	CS UB-11S	4	EA
ISO-L-66K130-1	0	_1		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	0.75	CS UB-11S	2	EA
ISO-L-66K130-1	0	_14		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR CS I/R	18	CS UB-11S	1	EA
ISO-L-66K130-1	0	_13		GENERAL PIPE LUG 66PS-109	12	CS UB-11S	1	EA
ISO-L-66K130-1	0	SUPBS-12		SPECIAL SUPPORT 66SP-59	12	CS UB-11S	1	EA
ISO-L-66K130-1	0	SUPBS-18		SPECIAL SUPPORT 66SP-61	18	CS UB-11S	1	EA
ISO-L-66K130-1	0	SUPBS-18_1		SPECIAL SUPPORT 66SP-60	18	CS UB-11S	1	EA



ISO	Sht	Rev	Mat'l Code	BOM Description	Bore	Mat'l Spec	Qty	UOM
ISO-L-66K130-1	0	K_2		GATE VALVE RF FLGD BB OS&Y c/w GEAR OPERATOR NACE STANDARD A216GR WCB	12	CS UB-11S	1	EA
ISO-L-66K130-1	0	V-1.0.1F.1.12-N		GATE VALVE RF FLGD BB OS&Y NACE STANDARD A105-N	0.75	CS UB-11S	1	EA
ISO-L-66K81-1	0	_0		BLIND FLANGE RF FS A105-N	0.75	CS UB-11S	1	EA
ISO-L-66K81-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	48	EA
ISO-L-66K81-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	8	EA
ISO-L-66K81-1	0	_2		STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS UB-11S	16	EA
ISO-L-66K81-1	0	_1		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	12	CS UB-11S	4	EA
ISO-L-66K81-1	0	_1		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	0.75	CS UB-11S	2	EA
ISO-L-66K81-1	0	_14		GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR CS I/R	18	CS UB-11S	1	EA
ISO-L-66K81-1	0	_13		GENERAL PIPE LUG 66PS-109	12	CS UB-11S	1	EA
ISO-L-66K81-1	0	SUPBS-12		SPECIAL SUPPORT 66SP-85	12	CS UB-11S	1	EA
ISO-L-66K81-1	0	SUPBS-18		SPECIAL SUPPORT 66SP-83	18	CS UB-11S	1	EA
ISO-L-66K81-1	0	SUPBS-18_1		SPECIAL SUPPORT 66SP-84	18	CS UB-11S	1	EA
ISO-L-66K81-1	0	K_1		GATE VALVE RF FLGD BB OS&Y c/w GEAR OPERATOR NACE STANDARD A216GR WCB	12	CS UB-11S	1	EA
ISO-L-66K81-1	0	V-1.0.1F.1.12-N		GATE VALVE RF FLGD BB OS&Y NACE STANDARD A105-N	0.75	CS UB-11S	1	EA
ISO-L-66LS16-1	0				1.5	CS INST_I TEMS	0.41	LF

Saturday, March 17, 2018

Field Materials Report Work Package: FIWP: L-12-34-015-12345

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ISO	Sht	Rev	Mat'l Code	BOM Description	Bore	Mat'l	Spec	Qty	UOM
ISO-L-66LS16-1		0			1.5	CS	INST_I TEMS	0.41	LF
ISO-L-66LS16-1		0	_0	FLOW ELEMENT CL300 (BY INSTRUMENTATION)	1.5	CS	INST_I TEMS	1	EA
ISO-L-66LS16-1		0			1.5	CS	INST_I TEMS	0.82	LF
ISO-L-66LS16-1		0	SUPBS-16	SPECIAL SUPPORT 66PS-70	16	CS	INST_I TEMS	1	EA
ISO-L-66LS16-2		0	_9	STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS	SB-1	16	EA
ISO-L-66LS16-2		0	_9	STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS	SB-1	16	EA
ISO-L-66LS16-2		0	_8	GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	16	CS	SB-1	3	EA
ISO-L-66LS16-2		0	_0	PLUG THRD HEX HD FS A105-N	0.75	CS	SB-1	1	EA
ISO-L-66LS16-2		0	_10	PADDLE BLIND RF C/W SPACER PER ASME B16.48 A516 GR 70-N	16	CS	SB-1	1	EA
ISO-L-66LS3-1		0			1.5	CS	INST_I TEMS	0.4	LF
ISO-L-66LS3-1		0			1.5	CS	INST_I TEMS	0.4	LF
ISO-L-66LS3-1		0	_0	FLOW ELEMENT CL300 RF FLG (BY INSTRUMENTATION)	1.5	CS	INST_I TEMS	1	EA
ISO-L-66LS3-1		0			1.5	CS	INST_I TEMS	0.8	LF
ISO-L-66LS3-2		0	_9	STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS	SB-1	16	EA
ISO-L-66LS3-2		0	_9	STUD BOLTS c/w 2 NUTS A193-B7 / A194-2H	0.5	CS	SB-1	16	EA
ISO-L-66LS3-2		0	_8	GASKET 1/8 in THK SP WND 304SS GRAPHITE FILLED CS CR	16	CS	SB-1	3	EA
ISO-L-66LS3-2		0	_0	PLUG THRD HEX HD FS A105-N	0.75	CS	SB-1	1	EA
ISO-L-66LS3-2		0	_10	PADDLE BLIND RF C/W SPACER PER ASME B16.48 A516 GR 70-N	16	CS	SB-1	1	EA

Saturday, March 17, 2018

Field Materials Report Work Package: FIWP: L-12-34-015-12345

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7. Copy of Scaffold Request

Date: March 14

Request # S-1234

Requestor: Johnny Fitswell

FIWP: **L-12-34-015-12345**

Required by: Mar 23rd

Projected end date: June 30

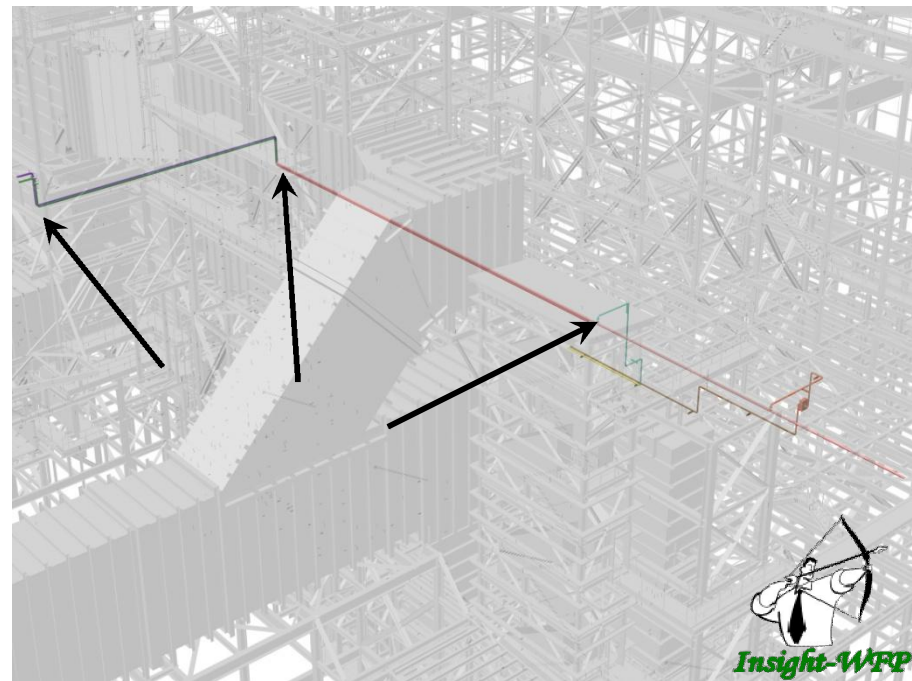
Description: North central area of the project at EL 141'.

Three scaffold as discussed for access at connection points, see 3D snap shot.

Will be then used for welding in the next month.

Status: Confirmed Mar 24

Billy Tubnclamp.



8. Copy of Equipment Request

Date: March 12

Request # E-2456

Requestor: Johnny Fitswell

FIWP: **L-12-34-015-12345**

Required on: Mar 31st – April 4th

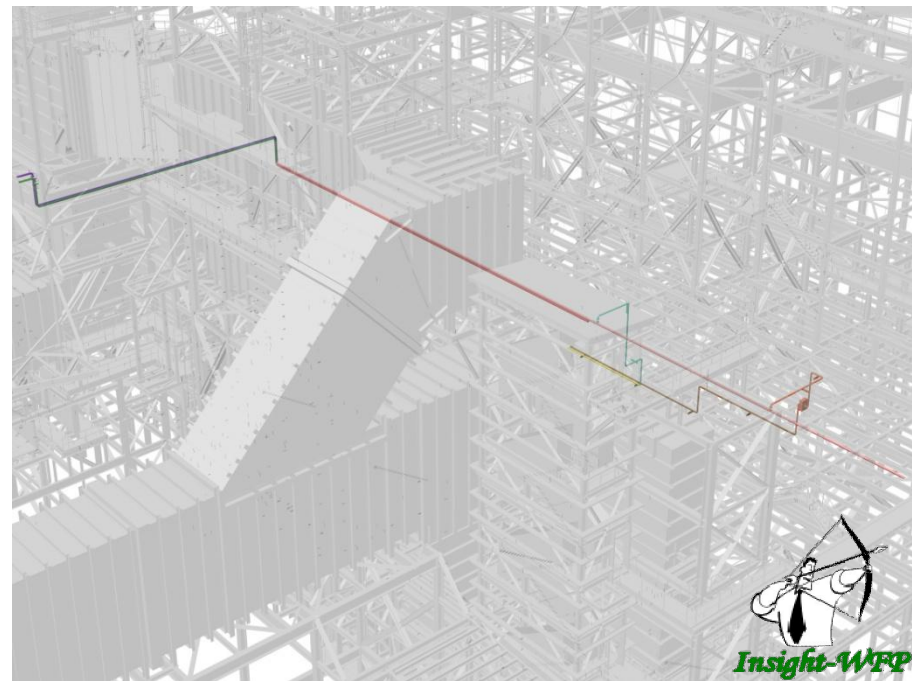
Equipment requested: 100% of a 60' manlift

75% of a 65 ton crane with a jib.

Scope: Rigging in 18 x 4" and 6" spools in the North central area of the project.
Once rigged into place the spools will be lashed with wire rope rigging.

Final alignment will be completed
without the crane.

Status: Confirmed Mar 12
B.J. Counterweight



Crew #		Daily Time Sheet				
Foreman			HOURS WORKED		TOTAL	
EMPLOYEE NO.	NAME	Trade	L-12-34-015-12345	L-12-34-015-12346	Straight Time	Over Time
		TOTALS				

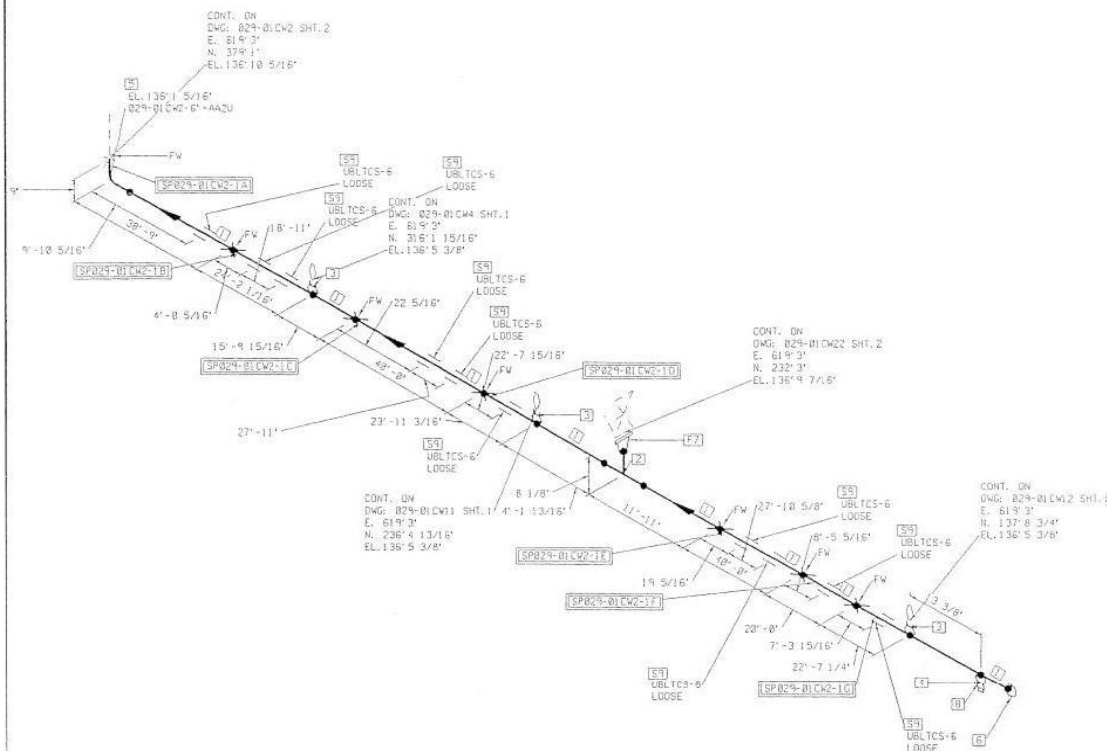
Description of work

APPROVALS	L-12-34-015-12345 - Small bore Carbon Steel - Rigging
	L-12-34-015-12346 Small bore carbon steel - Connecting



Iso 12-34-01CW01

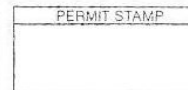




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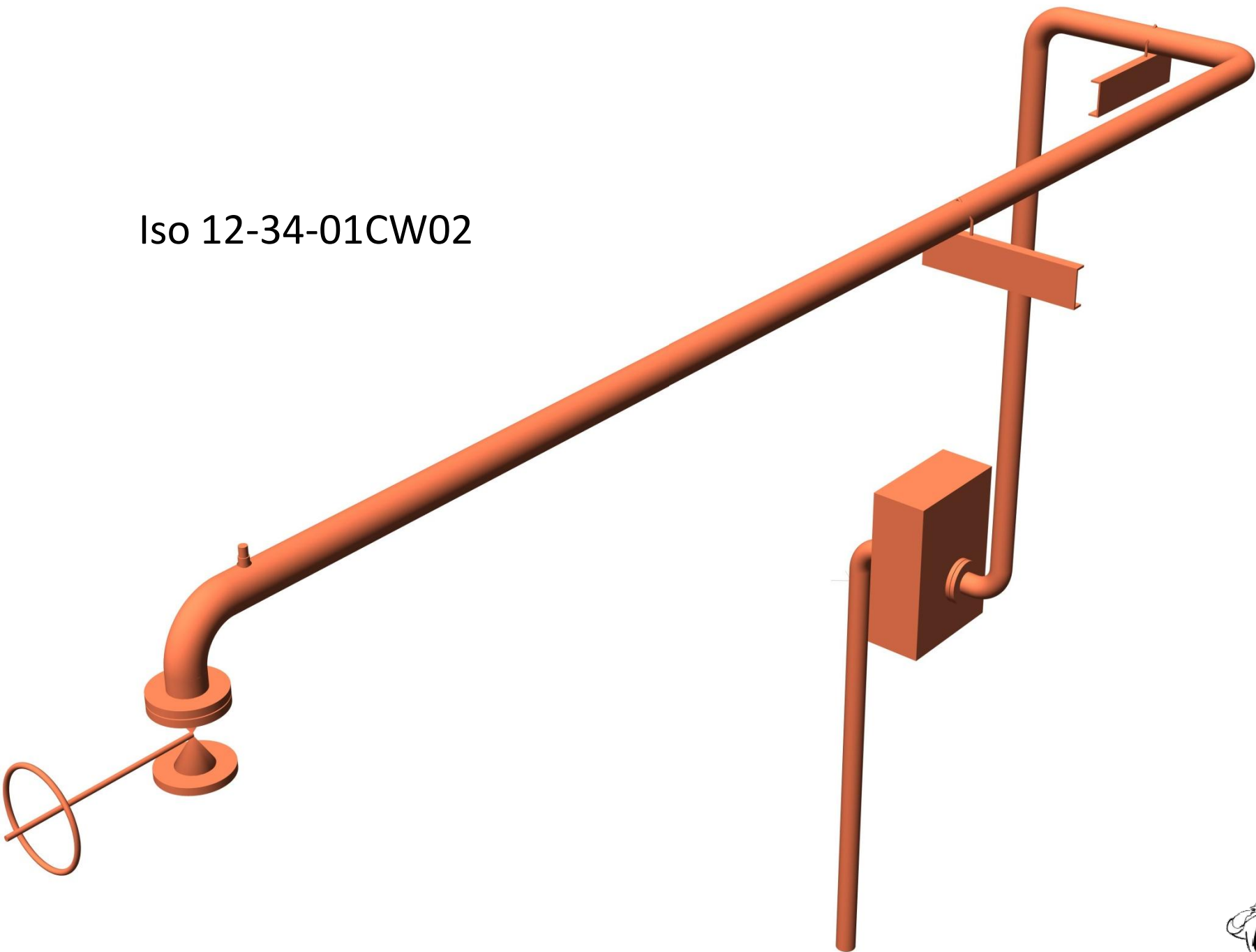
SHOP BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
1	LPWP1055	PIPE, ERW, STD WT, BE, SA53 B.	6	241' 10"
2	LFW21091	TEE, RED, STD WT, BW, SA234 WPB.	6X4	1
3	LOLT1209	THREDOLET, CL 3000, THD, SA105.	6X2	3
4	LOLT1209	THREDOLET, CL 3000, THD, SA105.	6X3/4	1
5	LFW91089	ELBOW, 90, LR, STD WT, BW, SA234 WPB.	6	1
6	LFWC1094	CAP, STD WT, BW, SA234 WPB.	6	1
7	LLFW1205	FLANGE, WN, CL 150, RF, STD WT, SA105.	4	1

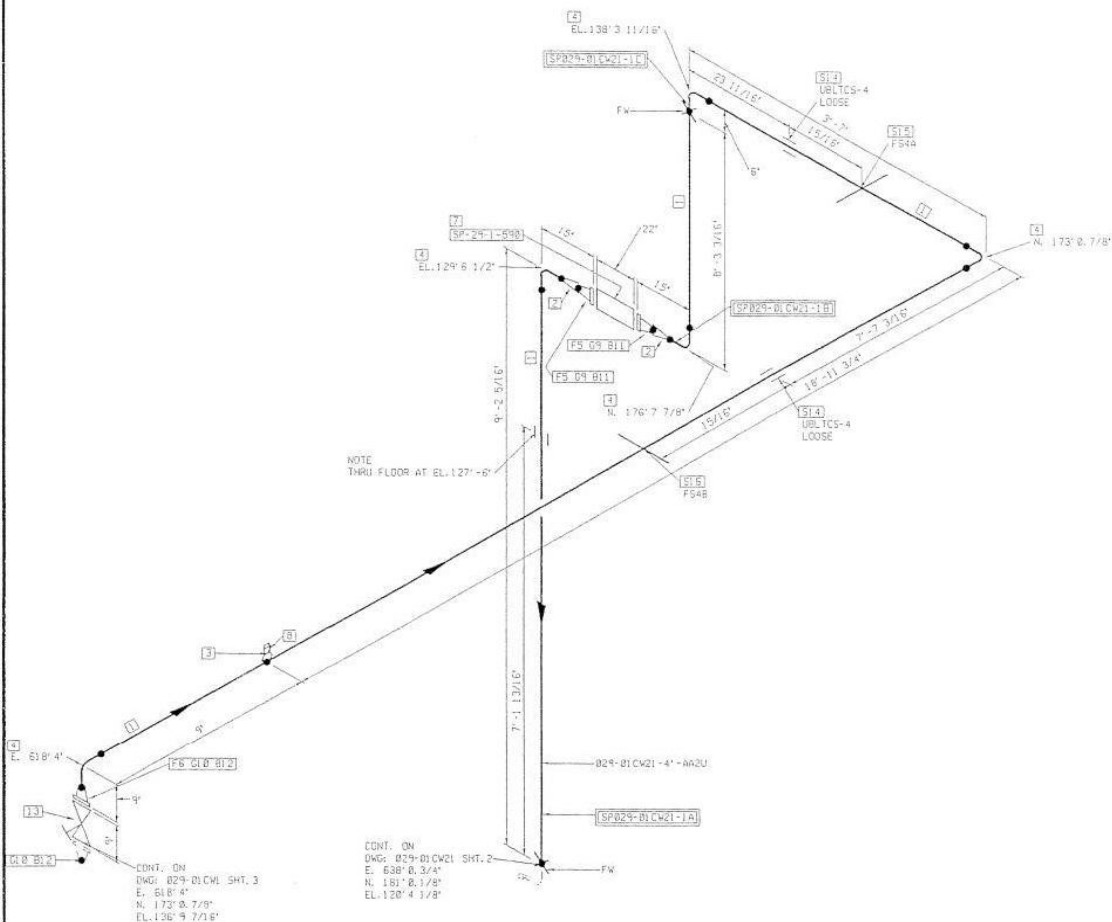
FIELD BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
8	LFTP1084	PLUG, HEX BULL, THD, SA234 WPB-S9.	3/4	1
SUPPORTS				
9	UBLTCS-6	U-BOLTS, CS, Ø. 5 INCH THRU 24 INCHES, SD-002-200-L-638-178.	6	10
SPOOL NUMBERS				
SP029-01CW2-1A	SP029-01CW2-1B	SP029-01CW2-1C	SP029-01CW2-1D	
SP029-01CW2-1E	SP029-01CW2-1F	SP029-01CW2-1G		

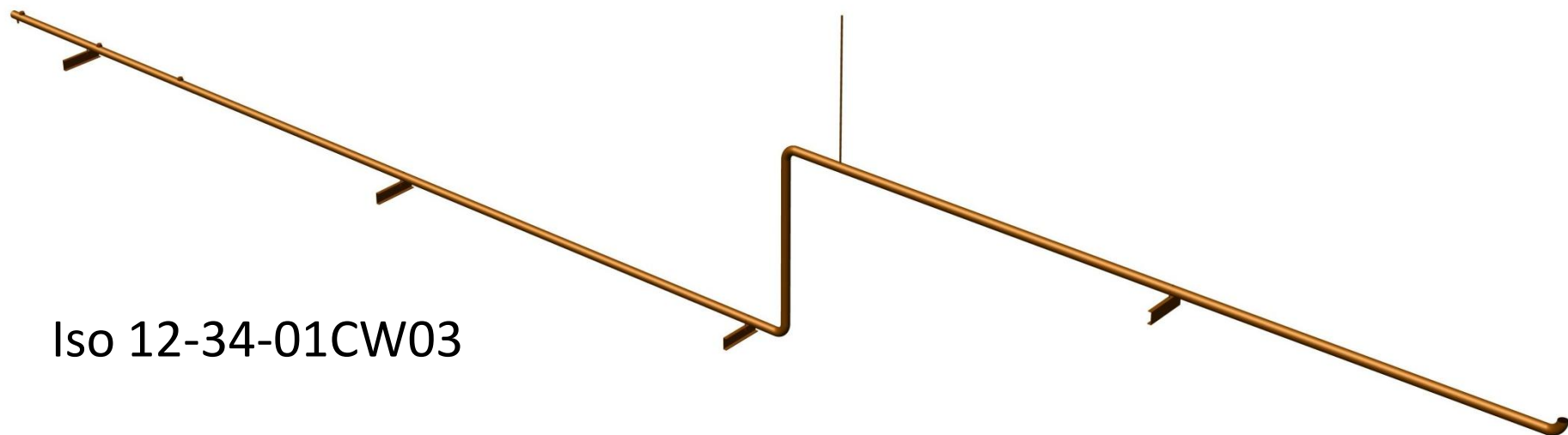


Insight-WFP

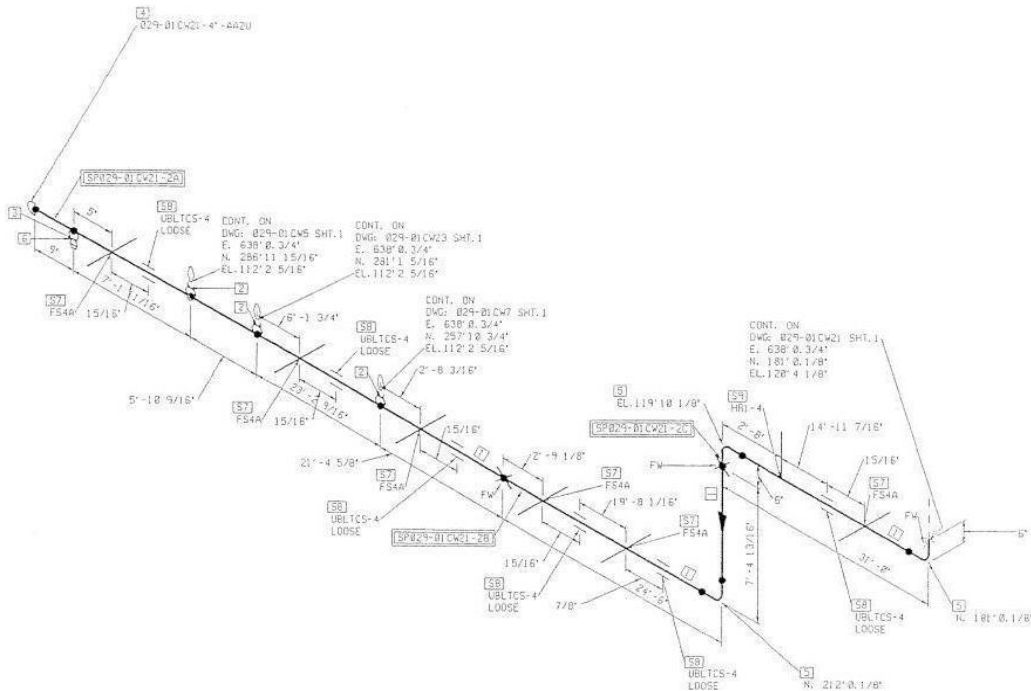
Iso 12-34-01CW02







Iso 12-34-01CW03



SHOP BILL OF MATERIAL

NO.	CODE	DESCRIPTION	SIZE	QTY
1	LPW1055	PIPE, ERW, STD WT, BE, SA53 B.	4	11'9/4'
2	LQTI209	THREDOLET, CL 3000, THD.	4X2	3
3	LQTI209	THREDOLET, CL 3000, THD.	4X3/4	1
4	LFWC1094	CAP, STD WT, BW, SA234 WPB.	4	1
5	LFW1089	ELBOW, 90, LR, STD WT, BW, SA234 WPB.	4	3

FIELD BILL OF MATERIAL

NO.	CODE	DESCRIPTION	SIZE	QTY
6	LFTP1084	PLUG, HEX BULL. THD. SA234 WPB-S9.	3/4	1

SUPPORTS

7	FS4A	FIELD SUPPORTS, STEEL, 3 INCHES THRU 12 INCHES, 90-000-000-L-630-210.	4	6
8	UBLTCS-4	U-BOLTS, CS, Ø. 5 INCH THRU 24 INCHES, SD-000-000-L-630-178.	4	6
9	HR1-4	HANGER ROD & PIPE CLAMP, SD-000-000-L-630-217.	4	1

SPOOL NUMBERS

SP029-01CW21-2A SP029-01CW21-2B SP029-01CW21-2C

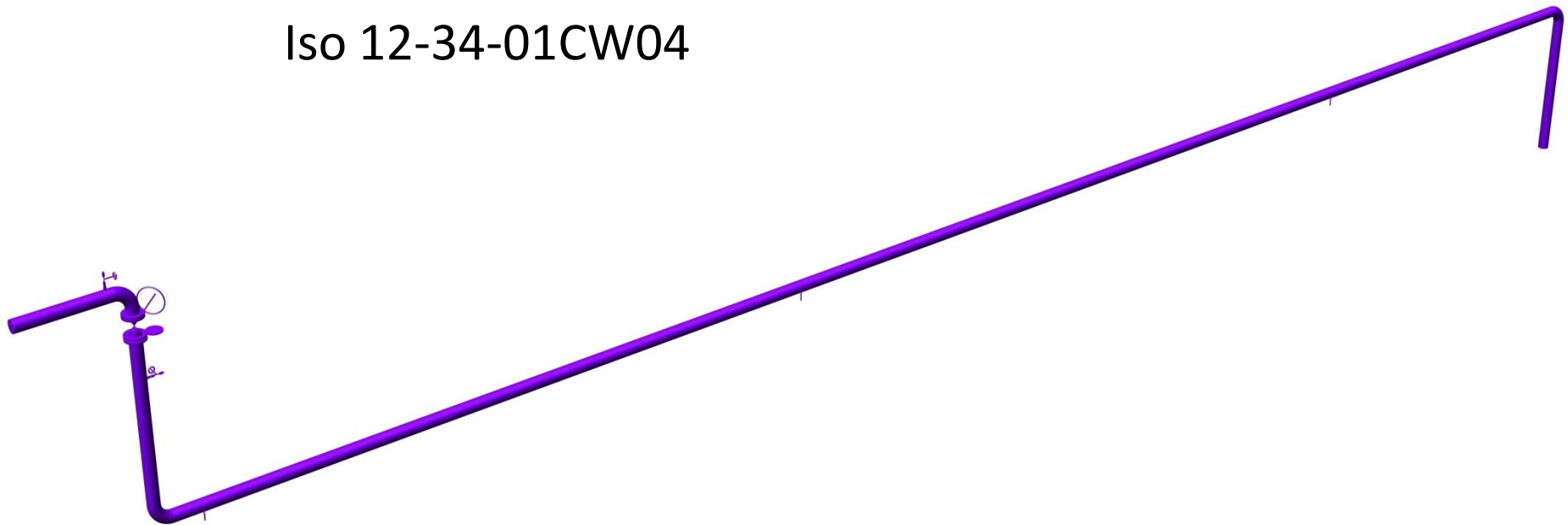
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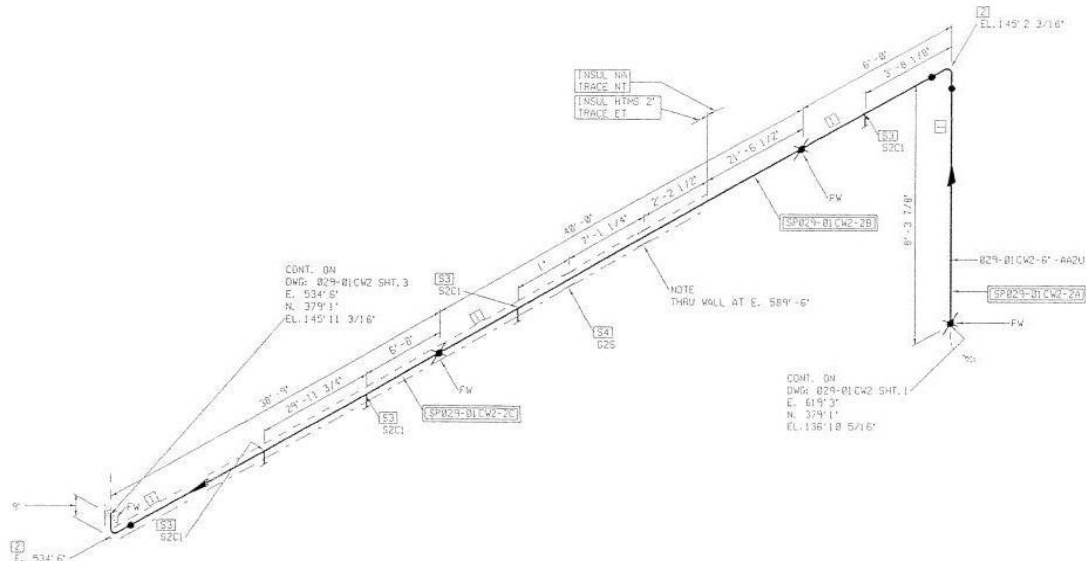
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Insight-WFP

Iso 12-34-01CW04





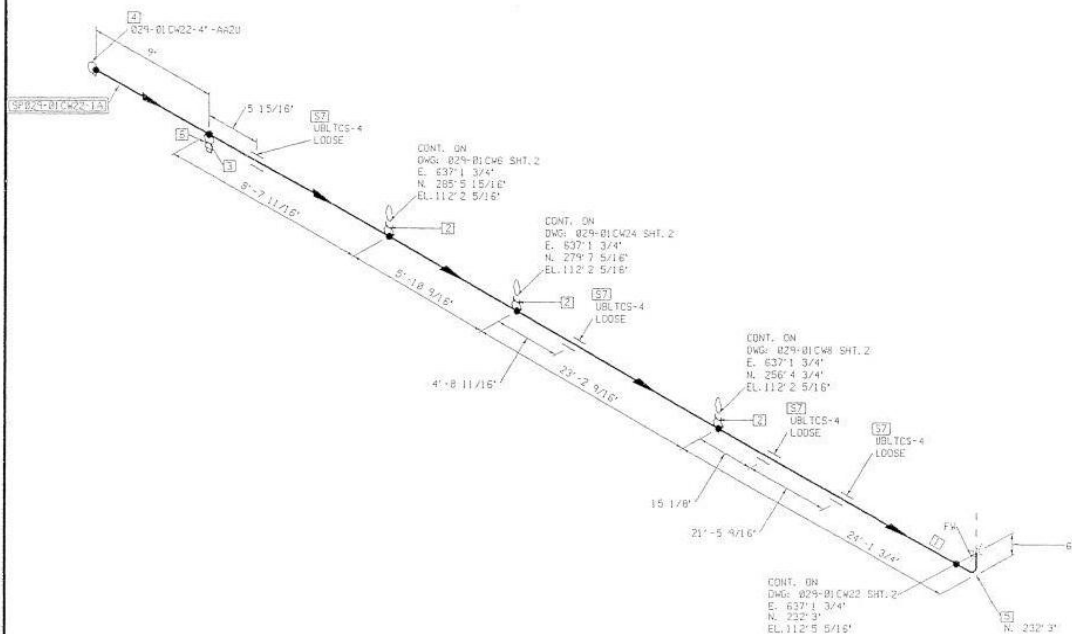
SHOP BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
1	LPWR055	PIPE, ERW, STD WT, BE, SA53 B.	6	90' 10
2	LFWR059	ELBOW, 90, LR, STD WT, BW, SA234 WP8.	6	2
SUPPORTS				
3	S2C1	SHOE, CS, 3 INCHES THRU 10 INCHES PIPE, SD-000-000-L-530-153.	6	4
FIELD BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
SUPPORTS				
4	G2S	GUIDES, WITH SHOE, HORIZONTAL LINES, SD-000-000-L-630-97.	6	1
SPDOL NUMBERS				
SP029-01CW2-2A		SP029-01CW2-2B SP029-01CW2-2C		
PERMIT STAMP				

ISOMETRIC NO: 02901CW22



Insight-WFP

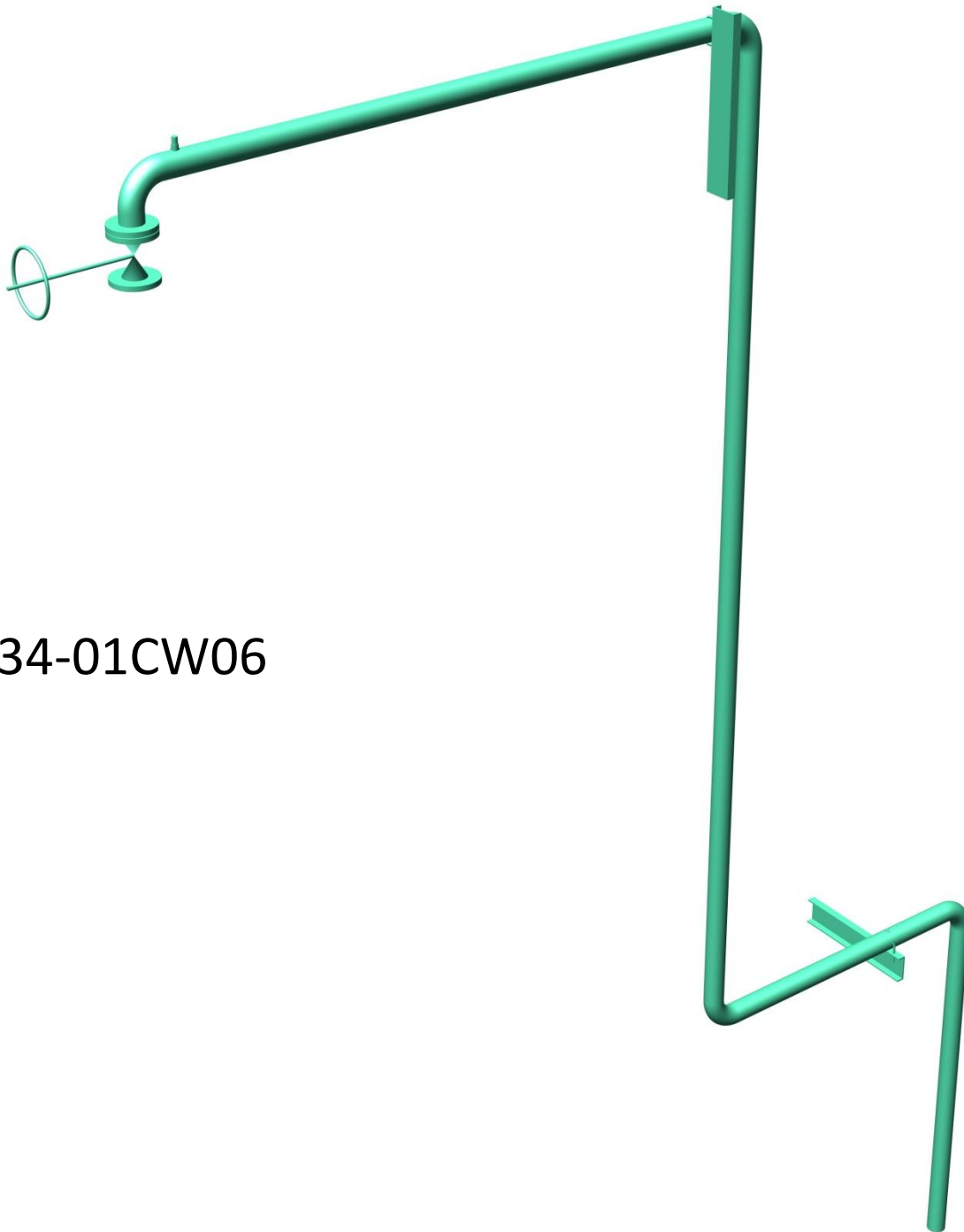
Iso 12-34-01CW05



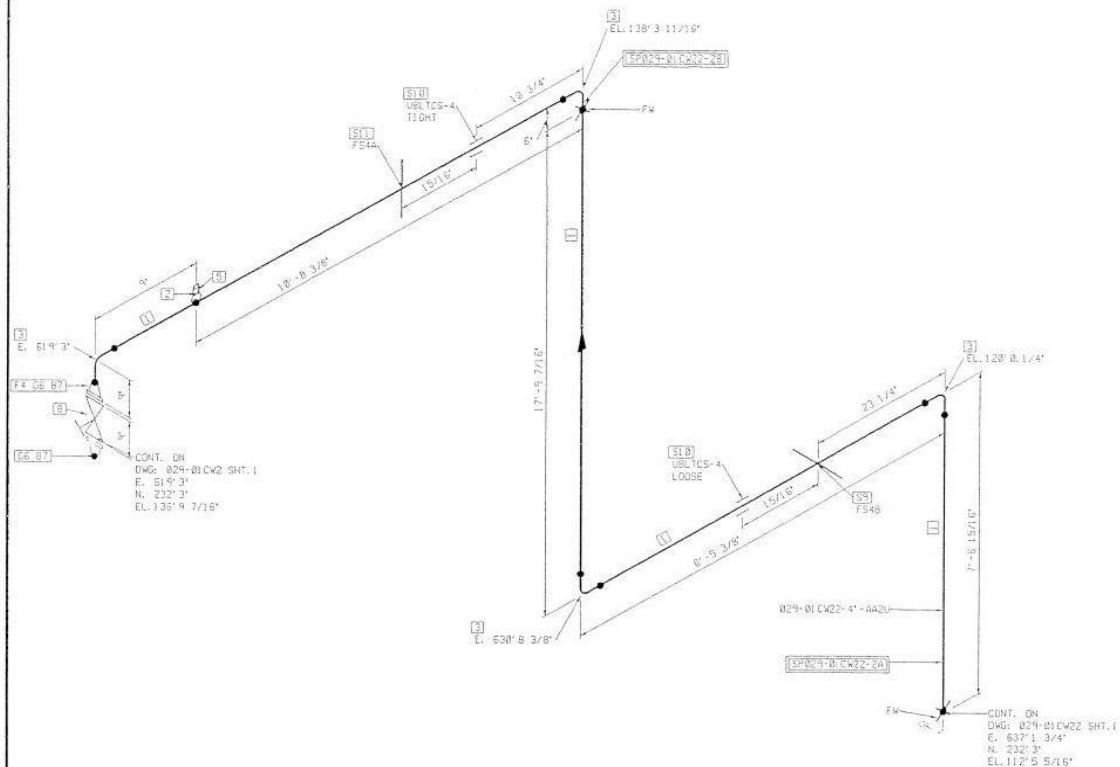
ISOMETRIC NO. 02901CW22

SHOP BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
1	LPWH1055	PIPE, ERW, STD WT, 8E, SA53-B.	4	62' 2"
2	LQLT1209	THREDOLET, CL 3000, THD, SA105.	4X2	3
3	LQLT1209	THREDOLET, CL 3000, THD, SA105.	4X3/4	1
4	LPWC1094	CAP, STD WT, 8W, SA234 WPB.	4	1
5	LPWH1089	ELBOW, 90, LR, STD WT, 8W, SA234 WPB.	4	1
FIELD BILL OF MATERIAL				
NO.	CODE	DESCRIPTION	SIZE	QTY
6	LFTP1084	PLUG, HEX BULL, THD, SA234 WPB-S9.	3/4	1
SUPPORTS				
7	VBLTCS-4	U-BOLTS, CS, 0.5 INCH THRU 24 INCHES, SD-000-000-L-630-178.	4	4
SPOOL NUMBERS				
SP029-B1CW22-1A				
PERMIT STAMP				





Iso 12-34-01CW06



ISOMETRIC NO. 02901CW222

NO.		CODE	DESCRIPTION	SIZE	QTY
1		LPWA1055	PIPE, ERW, STD WT, 80, SABS B.	4	40' ±
2		LDLT1289	THREDOLET, CL 3000, THD, SA105	4X3/4	1
3		LFWA1059	ELBOW, 90, LR, STD WT, 80, SA234 WPB	4	4
4		LLFW1205	FLANGE, WN, CL 150, RF, STD WT, SA105	4	1

NO.	CODE	DESCRIPTION	SIZE	QTY
5	LFTP1084	PLUG, HEX BULL, THD. SA234 W6-S9.	3/4	1
6	LG6S1216	GASKET, SP WD. CL 150, 1/8", 304 SS/GRAPHIC	4	2
7	LG6S1113	BOLT, STUD, A193 B7 W/2 A194 2H NUTS., 3.5" BOLT LENGTH	5/8	16
8	LYGR1358	VALVE, GATE, CL 150, RF. A216 WCB, TRIM 8, CAT. 2.	4	1
		<u>SUPPORTS</u>		
9	FS4B	FIELD SUPPORTS, STEEL, 3 THRU 12 INCHES PIPE SIZES, SD-000-000-L-630-51.	4	1
10	UBLTCS-4	U-BOLTS, CS, 0.5 INCH THRU 24 INCHES, SD-000-000-L-630-178.	4	2
11	FS4A	FIELD SUPPORTS, STEEL, 3 INCHES THRU 12 INCHES, SD-000-000-L-630-210.	4	1

SPOOL NUMBERS

SP029-01 CW22-2A SP029-01 CW22-2B

PERMIT STAMP



Foreman's Daily Planner

		Team 1	Team 2	Team 3	Team 4	
	Names					
Date						Comments
	Monday					
	Tuesday					
	Wednesday					
	Thursday					
	Friday					
	Saturday					
	Sunday					