



INSTRUMENT HOOK UP

LEGEND

00	ISSUED FOR REVIEW	A.GH	H.A	A.M	23-Jun-2026
REV.	DESCRIPTION	PREP.	CHK.	APP.	DATE
CLIENT:					
CONTRACTOR:					
PROJECT:					
TARAZ BITUMEN PLANT					
DRAWING TITLE:					
INSTRUMENT HOOK UP					
SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
1:800	A1	TRZ-IN-DW-707		1 OF 13	00



REVISION SHEET

ITEM	00				
1	X				
2	X				
3	X				
4	X				
5	X				
6	X				
7	X				
8	X				
9	X				
10	X				
11	X				
12	X				
13	X				

LEGEND



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CLIENT:


BITUMEN PRODUCTION

CONTRACTOR:

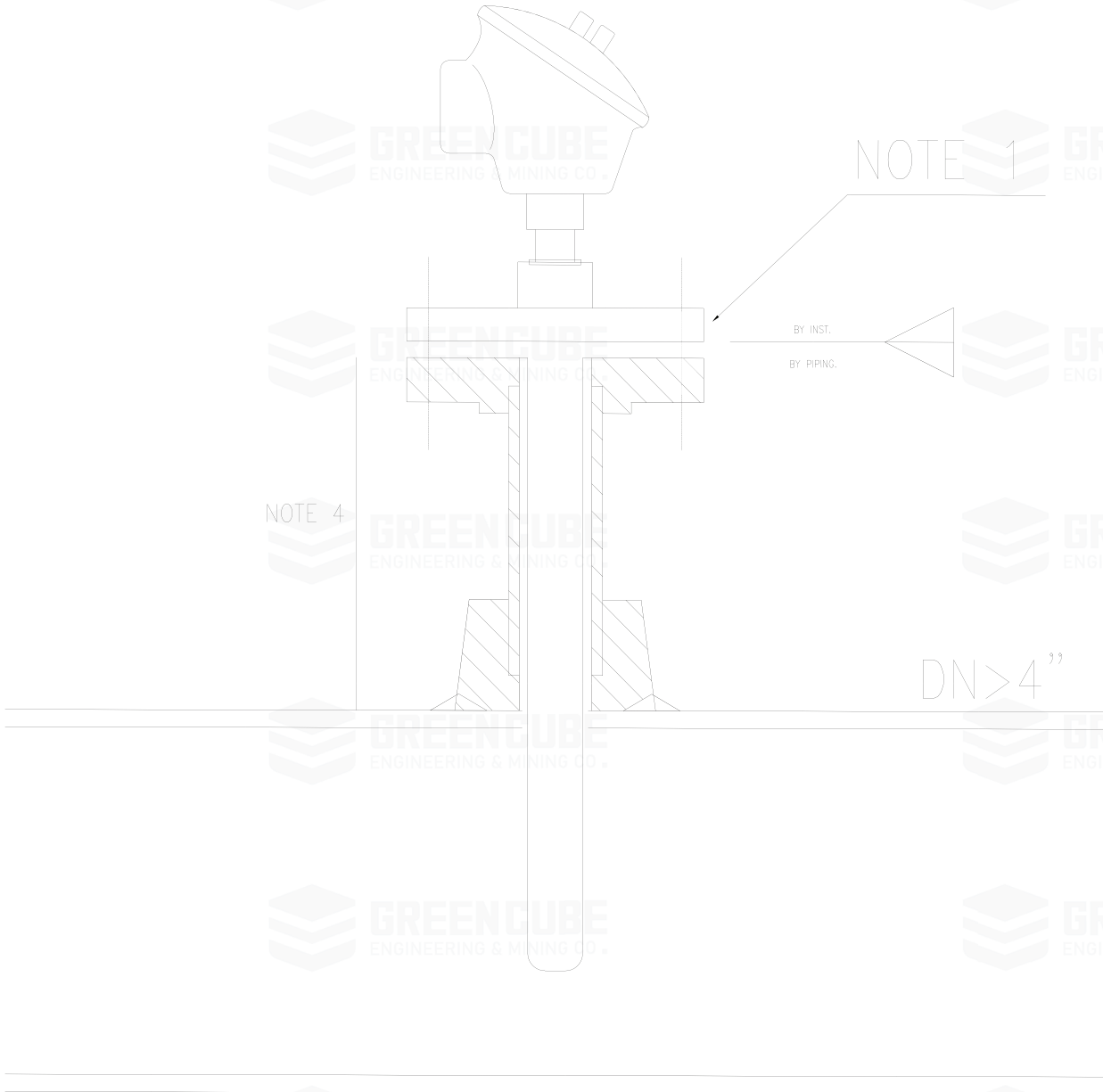

ENGINEERING & MINING CO.

PROJECT:

TARAZ
BITUMEN PLANT

DRAWING TITLE:					
INSTRUMENT HOOK UP					
SCALE	SIZE	DOCUMENT NUMBER	SHEET	REV.	
1:800	A1	TRZ-IN-DW-707	2 OF 13	00	

FUNCTIONAL NAME	Temperature Transmitter
2- NO. OF TRANSMITTERS	10
2- NO. OF GAUGES	0
4-ACCESSORIES :	None
3-TYP/NOZZLE LOCATION :	1- 1/2" IN- 300# / Pas



NOTES:

1. GASKET, BOLT & NUT TO BE SUPPLIED BY PIPING.
2. MINIMUM FLANGE RATING FOR THERMOWELL TO BE CONSIDERED 300#.
3. FOR ALL TEMPERATURE TRANSMITTERS AND TEMPERATURE GAUGES MOUNTED ON THE PIPE, THE FLANGE SIZE SHALL BE 1 1/2".
4. THE PROJECTION NOZZLE AND U LENGTH TO BE CONSIDERED ACCORDING TO DATA SHEET FOR INSTRUMENTATION "TRZ-IN-DS-701"

RELATED TAGS

TT-1029	TT-1031	TT-1033
TT-1035	TT-1041	TT-1043
TT-1061	TT-1063	TT-1067
TT-1069		

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DRAWING TITLE: INSTRUMENT HOOK UP					
SCALE	SIZE	DOCUMENT NUMBER			SHEET
1:800	A1	TRZ-IN-DW-707			4 OF 13
					REV. 00

Tarazbitum
BITUMEN-PRODUCTION



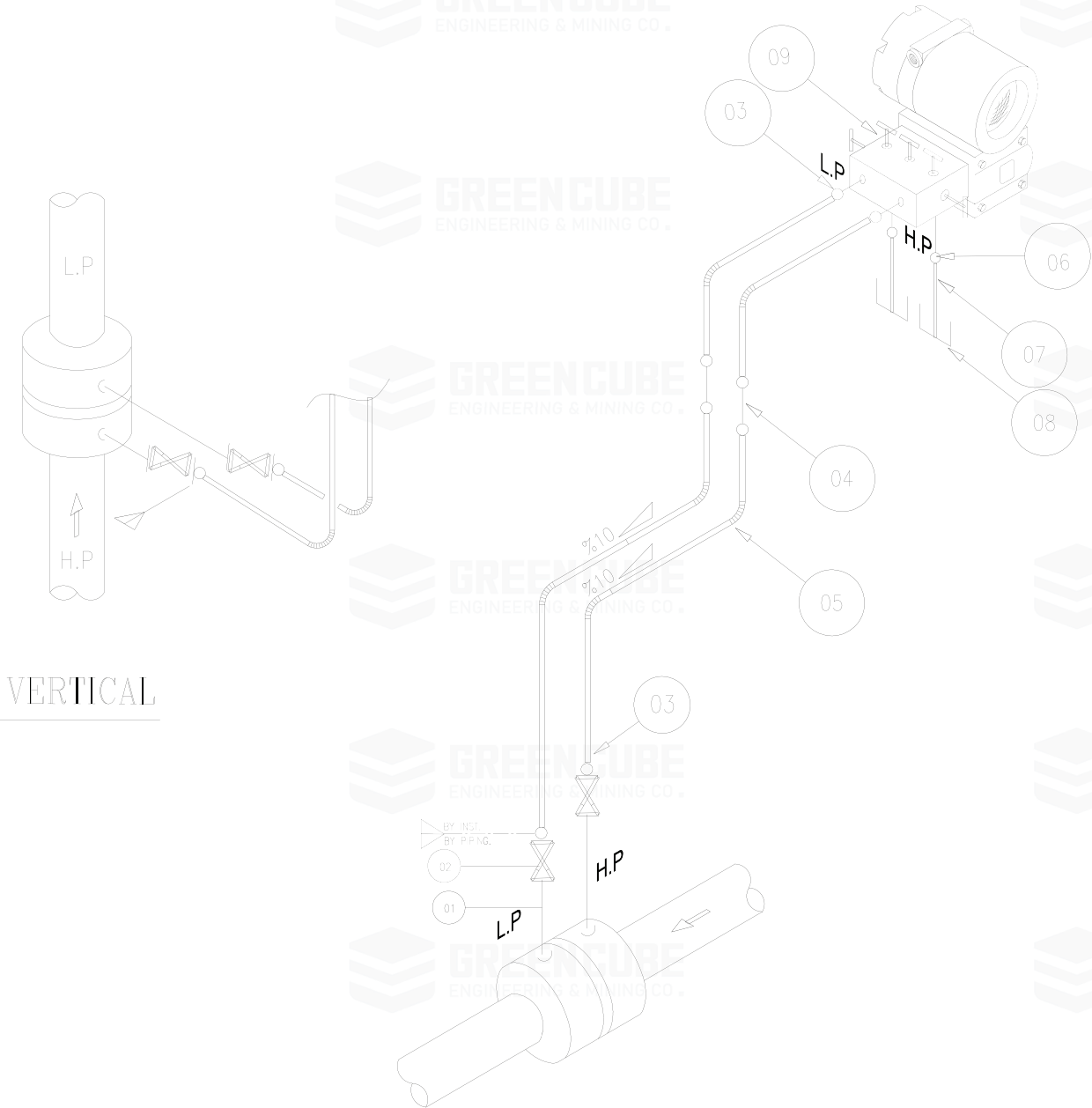
GREENCUBE ENGINEERING & MINING CO.

TARAZ
BITUMEN PLANT



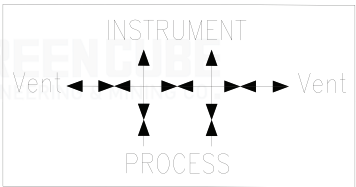
INSTRUMENT HOOK UP
GREENCUBE
ANALYTICAL INSTRUMENTS FOR A SUSTAINABLE WORLD

1- INSTR. NAME	Flow Transmitter DP Type
2- NO. OF TRANSMITTERS	2
3- MEASURING ELEMENT TYPE	Orifice
4- SERVICE	Gas
5- TAP/NOZZLE LOCATION	Pipe
6- ACCESSORIES	Refer to Below Table



VERTICAL

HORIZONTAL



DETAIL OF MANIFOLD

- NOTES:
- FOR REMOTE TRANSMITTERS, A 2-INCH PIPE, U-BOLTS, AND A BRACKET ARE REQUIRED.

01	NIPPLE	1/2" NPTM	4	EA	—	SUPPLY BY OTHERS
02	ISOLATION VALVE	1/2" NPTF	4	EA	—	SUPPLY BY OTHERS
03	MALE CONNECTOR, DOUBLE COMPRESSION TYPE	1/2"(NPTM)x1/2ø	8	EA	S.S. 316 / CL.3000	SUPPLY BY INS. DEPARTMENT
04	UNION, DOUBLE COMPRESSION TYPE	1/2"ø	4	EA	S.S. 316 / CL.3000	SUPPLY BY INS. DEPARTMENT
05	TUBE, SEAMLESS, WT 0.065"	1/2"ø	24	M	S.S. 316	SUPPLY BY INS. DEPARTMENT
06	MALE CONNECTOR, DOUBLE COMPRESSION TYPE	1/4"(NPTM)x1/4ø	4	EA	S.S. 316 / CL.3000	SUPPLY BY INS. DEPARTMENT
07	TUBE, SEAMLESS, WT 0.049"	1/4"ø	4	M	S.S. 316	SUPPLY BY INS. DEPARTMENT
08	CAP FOR TUBE	1/4"ø	4	EA	S.S. 316 / CL.3000	SUPPLY BY INS. DEPARTMENT
09	5 WAY MANIFOLD	1/2" (NPTF)	2	EA	S.S. 316 / CL.3000	SUPPLY BY INS. DEPARTMENT
ITEM NO.	DESCRIPTION	SIZE	QTY	UNIT	MATERIAL RATING	REMARKS
PROCESS CONN. SIZE / TYPE:		1/2" NPTF				

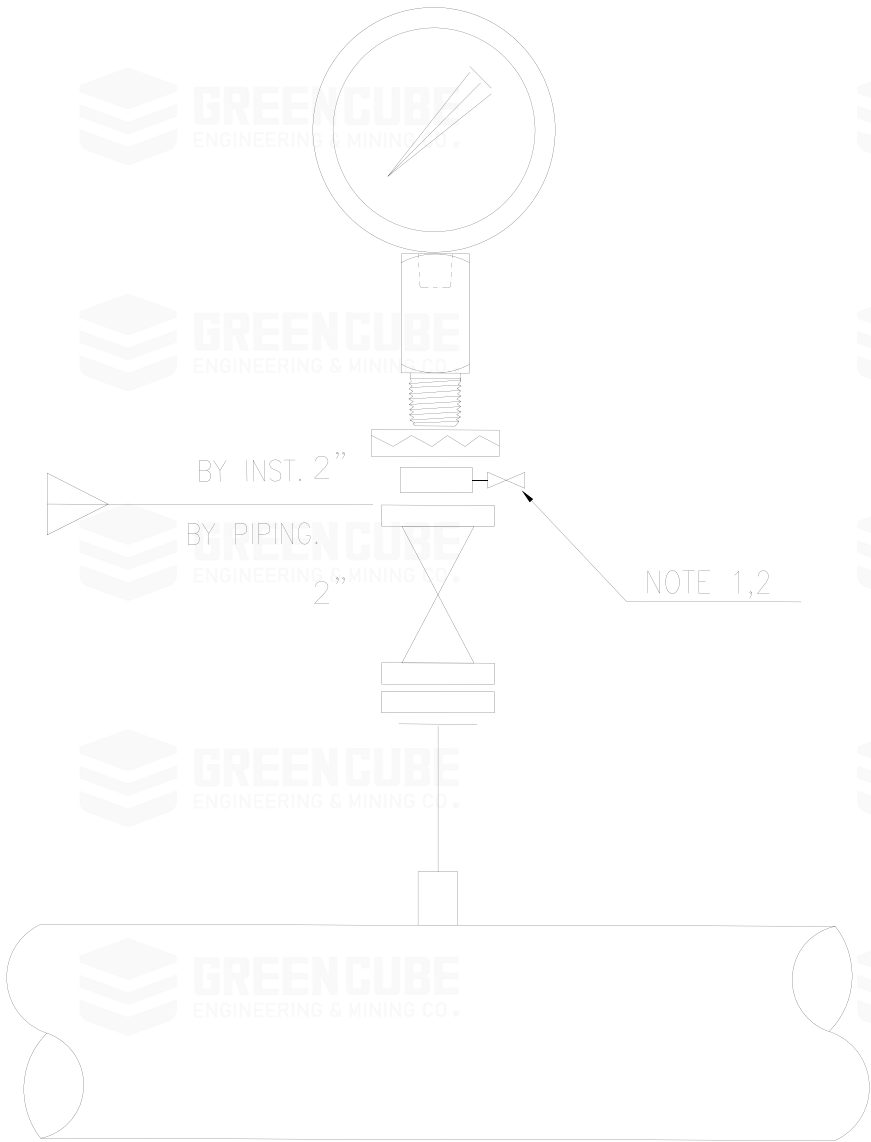
RELATED TAGS

FIT-1001

FIT-1002

00	ISSUED FOR REVIEW	A.G.H	H.A	A.M	23-Jun-2026
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TARAZ BITUMEN PLANT					
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SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
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1-TYPICAL NAME: Pressure Gauge And Transmitter With Direct Inaugraph Seal	
2- NO. OF TRANSMITTERS :	4
3-NO. OF GAUGES :	11
4-MEASURING ELEMENT TYPE :	Bourdon Tube/Diaphragm
5- IAW/NOZ/11 LOCATION :	2" Flanged RF 300#/Pipe



- NOTES:
1. DRIP RING 2" (ACC. TO PIPING CLASS) MIN.300# INCLUDING NEEDLE VALVES WILL BE SUPPLIED BY INSTRUMENT DEPARTMENT.
 2. LONG BOLT, NUT, GASKET WILL BE SUPPLIED BY PIPING DEPARTMENT.

RELATED TAGS

PG-101A	PG-101B	PG-101C
PG-201A	PG-201B	PG-202A
PG-202B	PG-203A	PG-203B
PG-301A	PG-301B	PIT-1001
PIT-1003	PIT-1009	PIT-1013
PG-1002	PG-1004	

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SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
1:800	A1	TRZ-IN-DW-707		7 OF 13	00



CLIENT:

 **Tarazbitum**
BITUMEN PRODUCTION

 **GEM**
ENGINEERING & MINING CO.

CONTRACTOR:

 **GREENCOPPER**
ENGINEERING & MINING CO.

1-TYPICAL NAME :Pressure Transmitter With Remote Diaphragm Seal
2- NO. OF TRANSMITTERS : 7
3-MEASURING ELEMENT TYPE : Diaphragm
4-SERVICE : Liquid
5- IN/NOZZLE LOCATION : 27knot R" 300#/Tank
6-ACCESSORIES : Remote Diaphragm Seal



- NOTES:
- 1. DRIP RING 2" (ACC. TO PIPING CLASS) MIN.300# INCLUDING NEEDLE VALVES WILL BE SUPPLIED BY INSTRUMENT DEPARTMENT.
 - 2. LONG BOLT, NUT, GASKET WILL BE SUPPLIED BY PIPING DEPARTMENT.
 - 3. FOR REMOTE TRANSMITTERS, A 2-INCH PIPE, U-BOLTS, AND A BRACKET ARE REQUIRED.

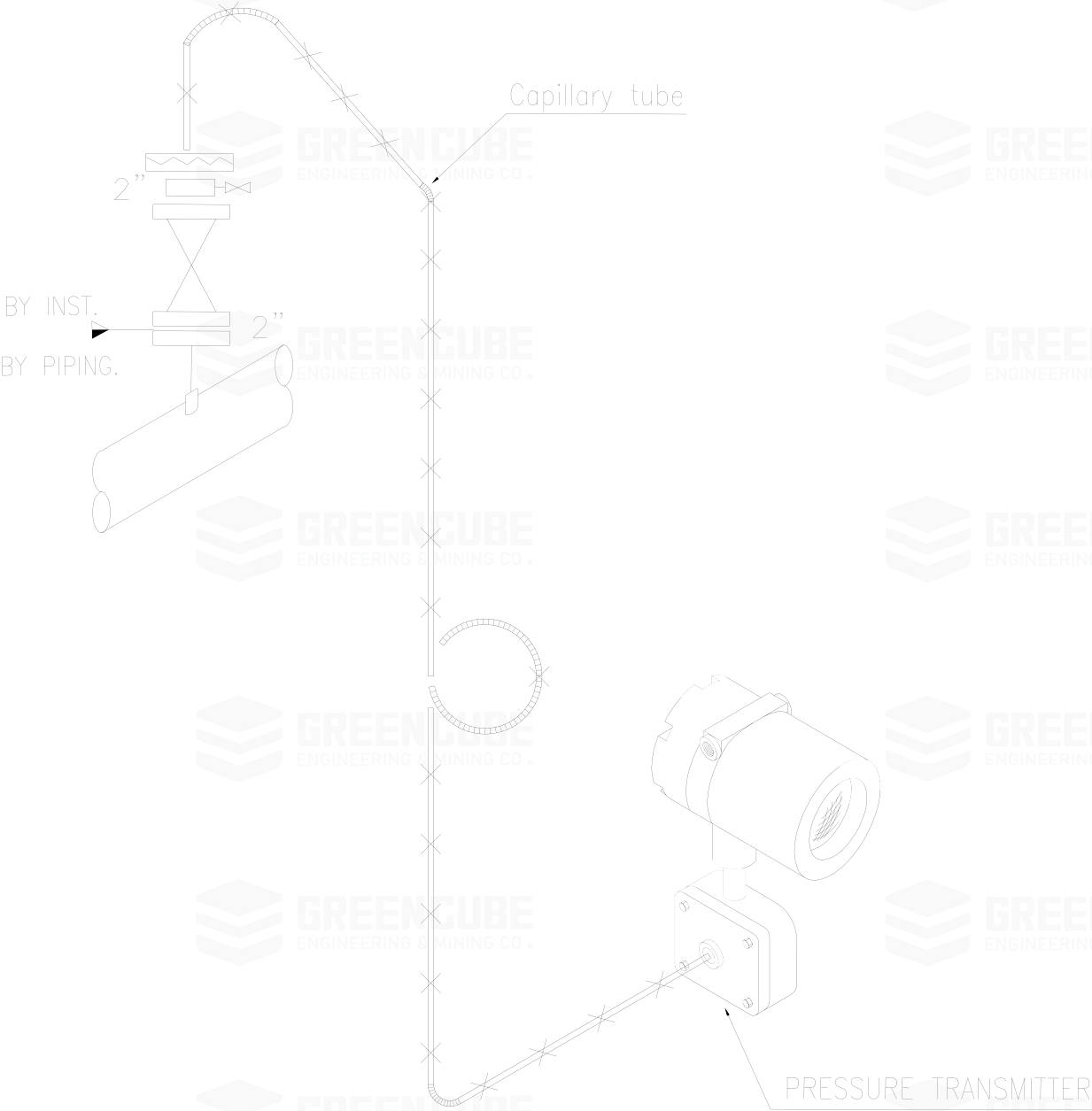
RELATED TAGS

PIT-1011

III 1015

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SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
1:800	A1	TRZ-IN-DW-707		9 OF 13	00

1-TYPICAL NAME :Pressure Transmitter With Remote Diaphragm Seal
2- NO. OF TRANSMITTERS : 7
3-MEASURING ELEMENT TYPE : Diaphragm
4-SERVICE : Liquid
5- IN/NOZZLE LOCATION : 27knot R" 300# Pipe
6-ACCESSORIES : Remote Diaphragm Seal



- NOTES:
1. DRIP RING 2" (ACC. TO PIPING CLASS) MIN.300# INCLUDING NEEDLE VALVES WILL BE SUPPLIED BY INSTRUMENT DEPARTMENT.
 2. LONG BOLT, NUT, GASKET WILL BE SUPPLIED BY PIPING DEPARTMENT.
 3. FOR REMOTE TRANSMITTERS, A 2-INCH PIPE, U-BOLTS, AND A BRACKET ARE REQUIRED.

RELATED TAGS

PIT-1005	PIT-1007	PIT-1017
PIT-1019	PIT-1021	PIT-1023

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SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
1:800	A1	TRZ-IN-DW-707		10 OF 13	00

1- PIPCA NAME	Level Gauge (Glass)
2- NO. OF Piping	1
3- MEASURING ELEMENT TYPE	-
4-SERVICE	Liquid
5- TAG/NOZZLE LOCATION	27keros BP 5008/Equipment
6-ACCESSORIES	-

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RELATED TAGS

LG-1001

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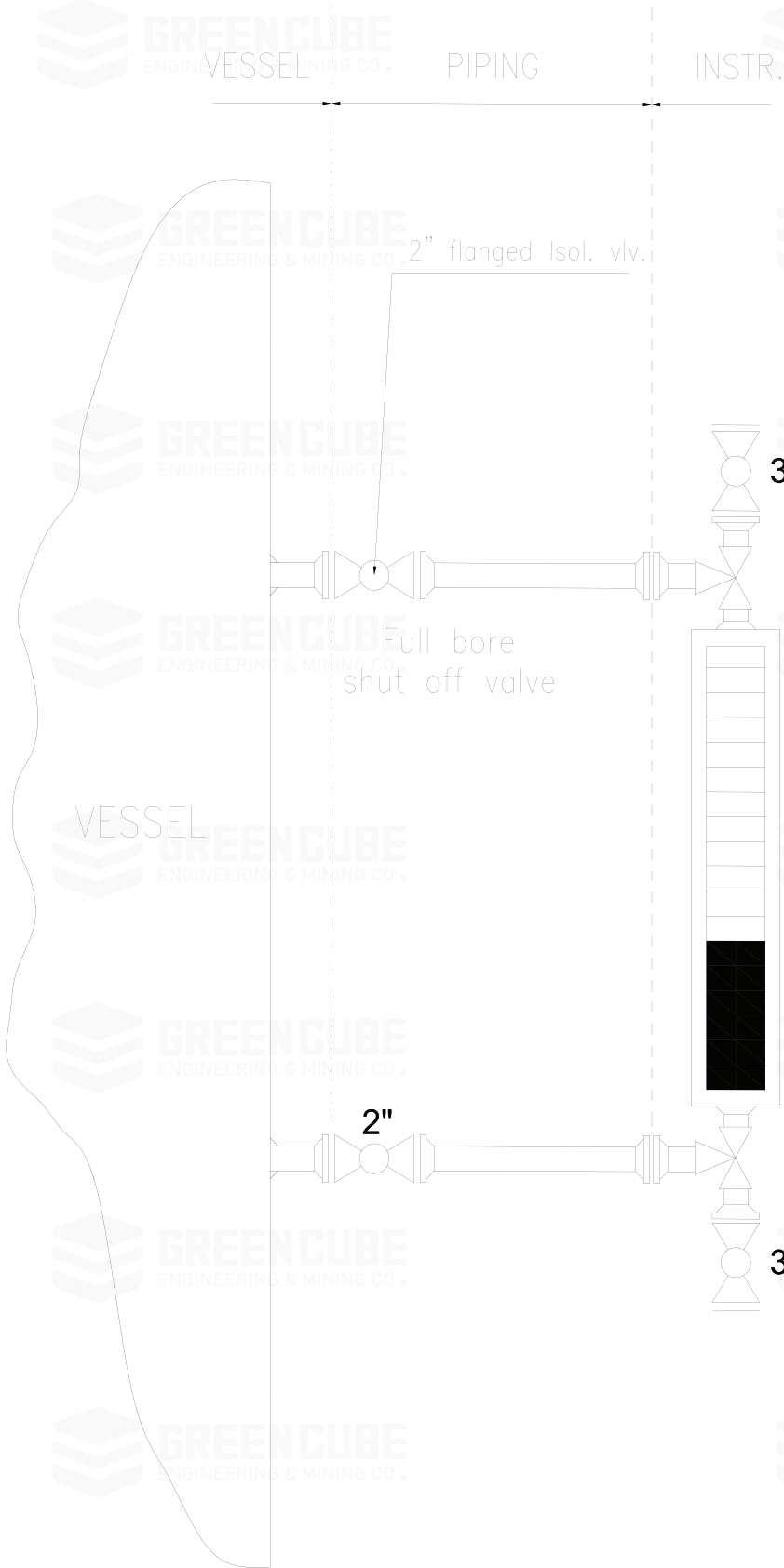
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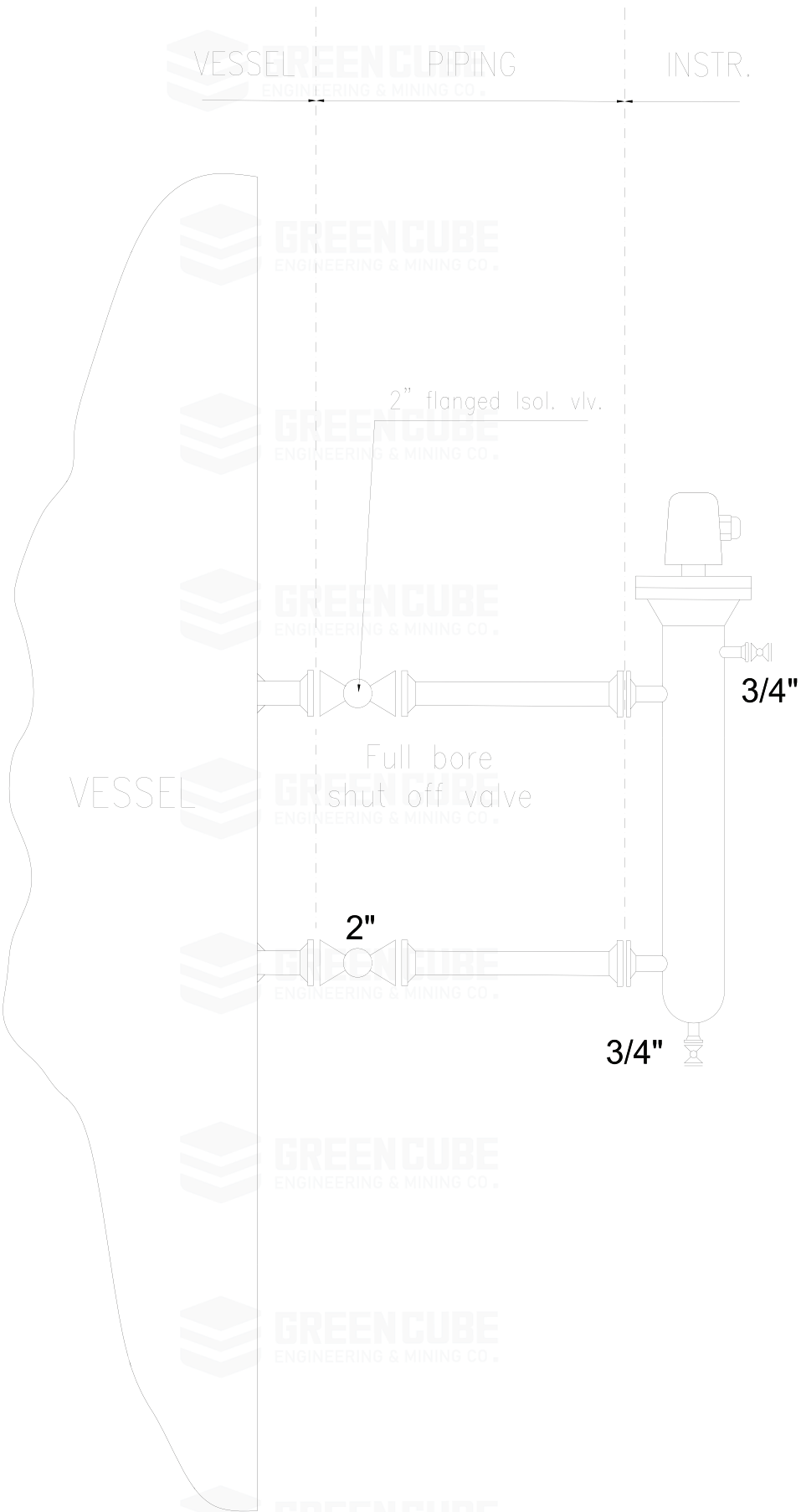
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CONTRACTOR:					
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INSTRUMENT HOOK UP					
SCALE	SIZE	DOCUMENT NUMBER		SHEET	REV.
1:800	A1	TRZ-IN-DW-707		11 OF 13	00

1- PIPCA NAME :	Level Switch (Float)
2- NO. OF Switches :	1
3- MEASURING ELEMENT TYPE :	Float
4-SERVICE :	Liquid
5- TAG/NOZZLE LOCATION :	27kmed RF 5008/Equipment
6-ACCESSORIES :	-



RELATED TAGS

LSLL-1001

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PROJECT

TARAZ
BITUMEN PLANT

DRAWING TITLE

INSTRUMENT HOOK UP