



K D KETCHEN & ASSOCIATES LTD.

851 Anders Road

Kelowna, BC

V1Z 1K2

Telephone: (250) 769-9335

Facsimile: (250) 769-9332

E-mail: kkitchen@shawcable.com

TRANSMITTAL RECORD

To: PK Metal Works Ltd.

Date: June 22, 2010

Attn: Ilya

Transmittal #: T-03

From: Dominic Cormier

Re: Taloyoak WTP

Client's Job #: 5822

Our Job #: 10-065

Sent: By E-mail

**Reason
for sending:** As requested

**Originals to
follow by courier:** No

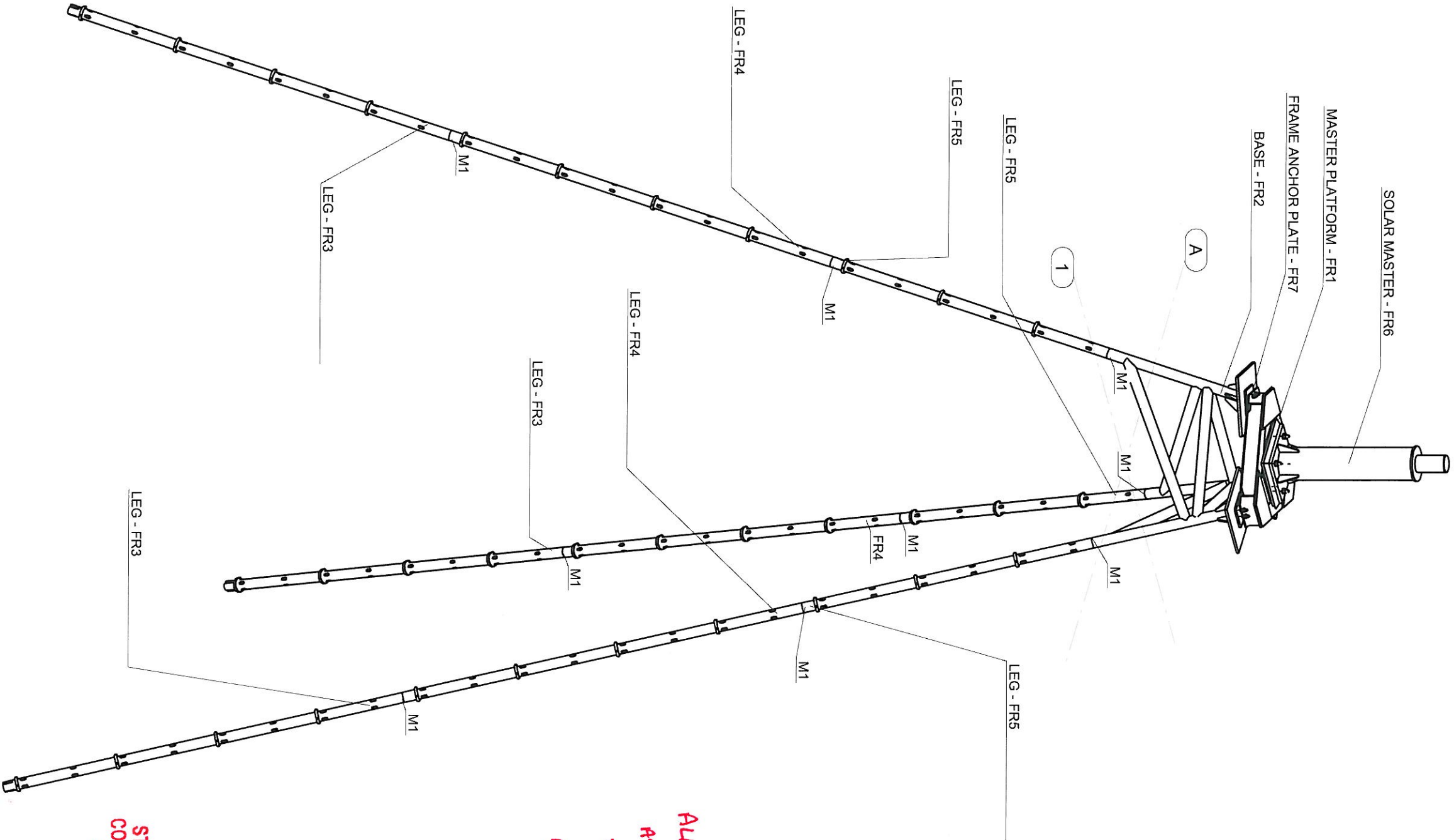
Copies	Dwgs Enclosed	Rev.	Description
1	3D		Stamped NWT/NU
1	Elevation A		Stamped NWT/NU
1	Plan + 1580		Stamped NWT/NU
1	Beam B-1 to B4		Stamped NWT/NU
1	Collar C1		Stamped NWT/NU
1	Frame F-1 to F-7		Stamped NWT/NU

Notes:

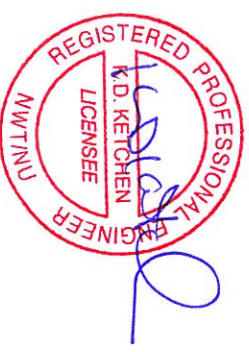
If you have any comments or concerns regarding the enclosed documents, please do not hesitate to contact our office.

Regards,

Dominic Cormier, EIT.



ALL WELDS TO BE 8mm
AS SPECIFIED ON
STRUCTURAL DWGS
APPLICABLE TO ALL DWGS

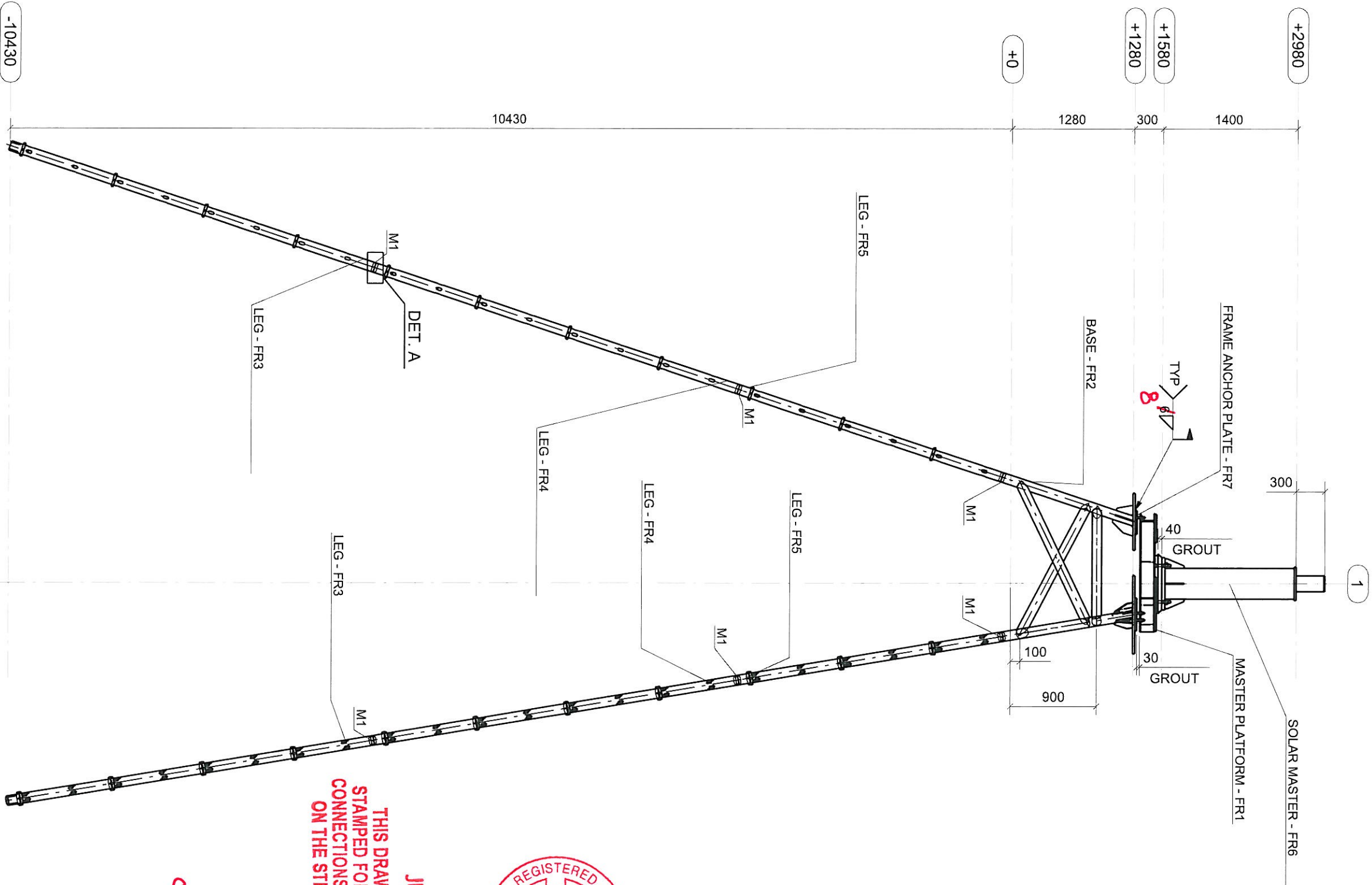


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THIS DRAWING HAS ONLY BEEN
STAMPED FOR THE DESIGN OF STEEL
CONNECTIONS WHICH ARE NOT SHOWN
ON THE STRUCTURAL DWGS

3d

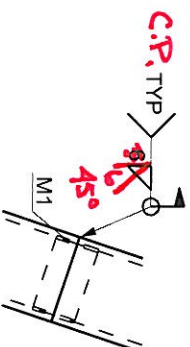
QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: 8 8				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

PK METAL WORKS LTD.	
19469 - 92 Ave. Surrey, BC V4N 4G6 Tel: 604-882-8699 Fax: 604-882-8799	
COMPANY: BI PUREWATER	
ADDRESS: #2,9790-190 STR. SURREY, BC	
TEL/FAX: 604-882-6650/604-882-6659	
PROJECT: SOLAR PANEL SUPPORT	
ADDRESS: TALOYOAK, NUNAVUT	
DATE: 15.05.10	
DRAWN: JK / PK REF. JIM TAM	
DRAWING TITLE: CHECK	
3d	
PO	
JOB # 5822	
DRAWING #5822-10-00-001	
REV.	



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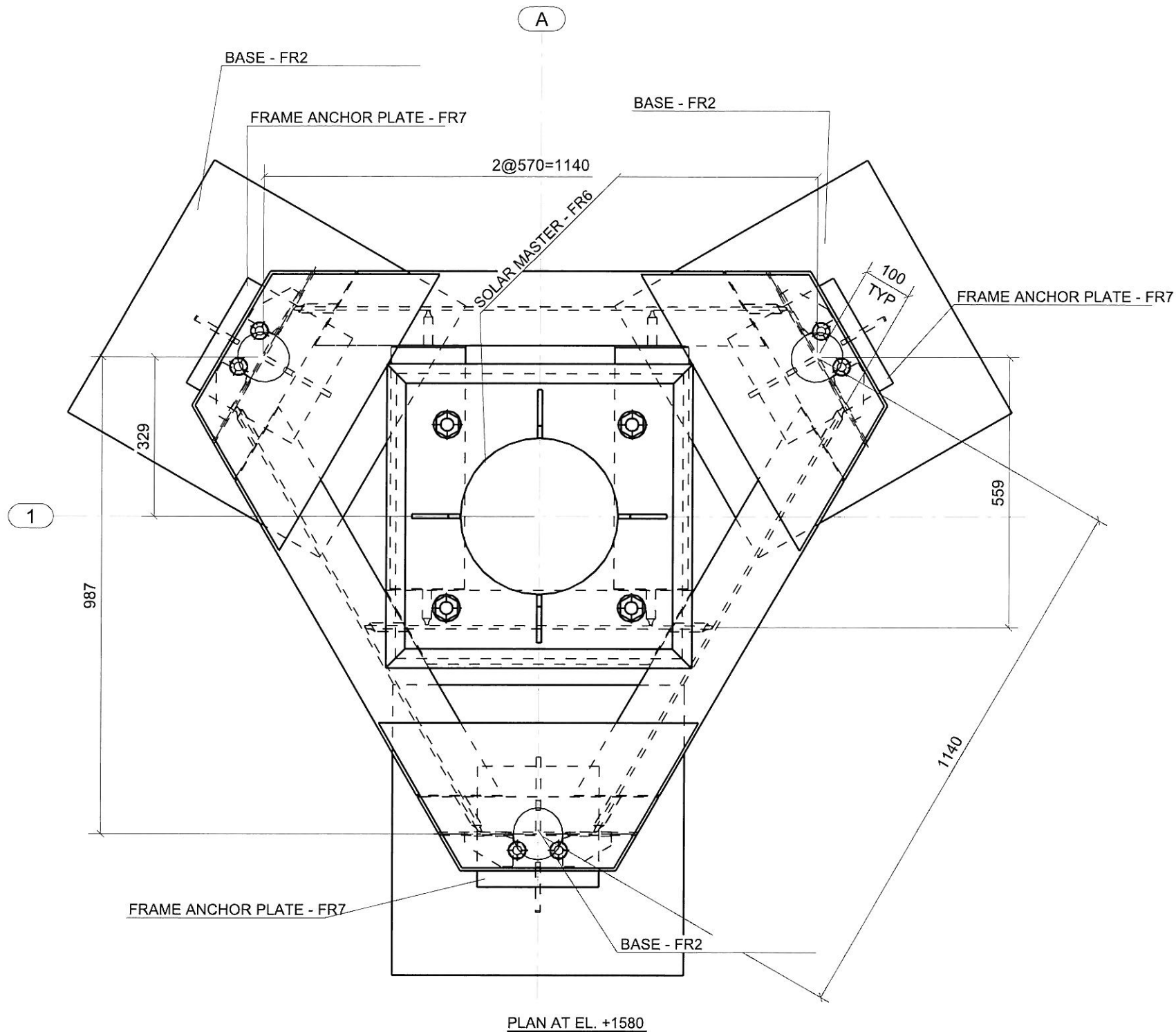


DETAIL A
TYP JOINT

ELEVATION ON GRID A

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: ϕ 8				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

PK METAL WORKS LTD.			
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COMPANY: BI PUREWATER			
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TEL/FAX: 604-882-6650/604-882-6659			
PROJECT: SOLAR PANEL SUPPORT			
ADDRESS: TALOYOK, NUNAVUT			
DATE: 15.05.10			
DRAWING TITLE: CHECK			
PO			
JOB # 5822			
DRAWING #5822-10-00-002 REV.			



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COMPANY: BI PUREWATER

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PROJECT: SOLAR PANEL SUPPORT

ADDRESS: TALOYOAK, NUNAVUT

DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM

DRAWING TITLE: CHECK CUST REF.

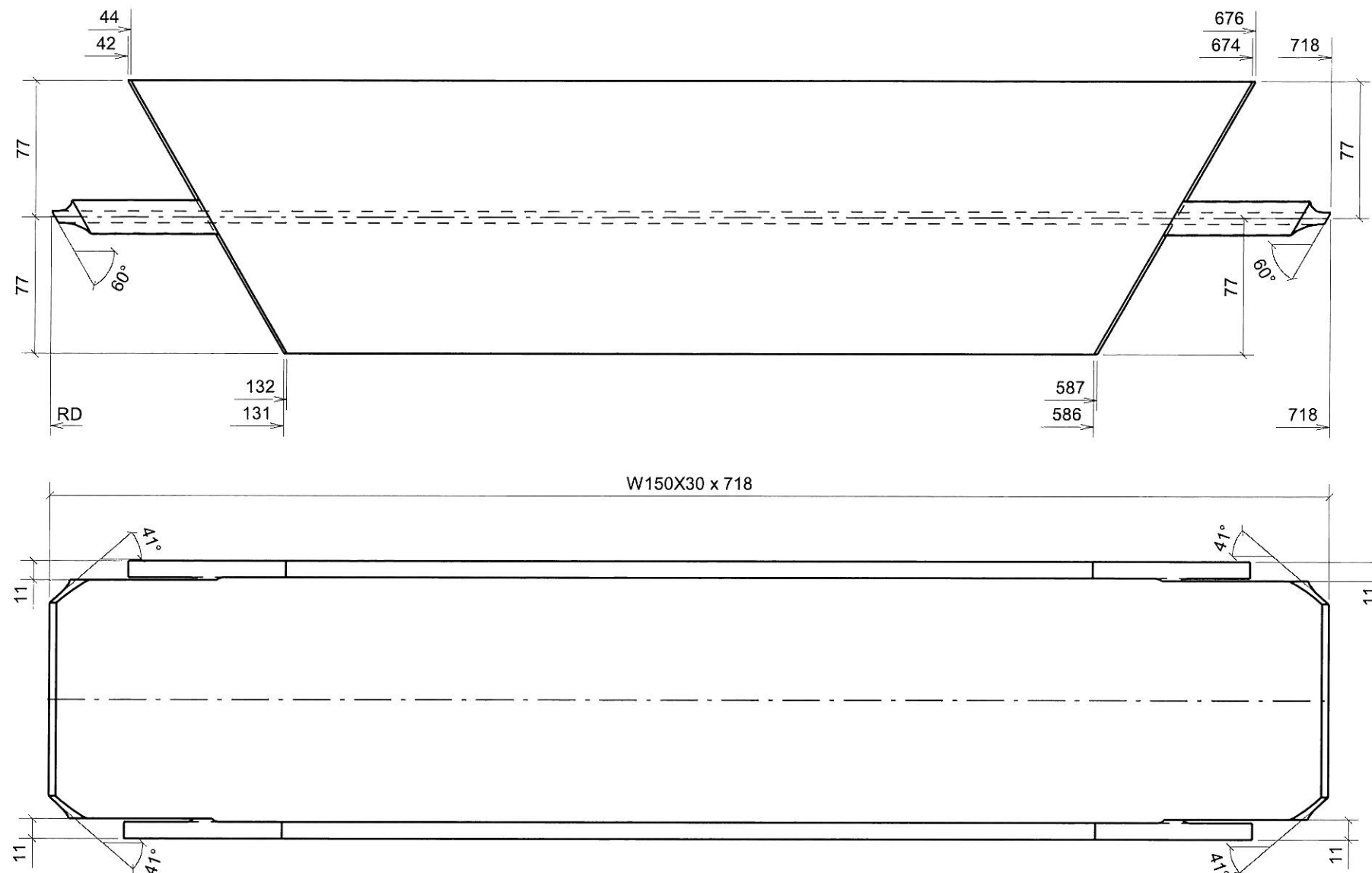
PLAN #1580

PO

JOB # 5822

DRAWING #5822-10-00-003 REV.

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				U.N.O.
PAINT: GALVANIZE				U.N.O.
WELD: 1/8		FILLET ALL AROUND		U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				



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ONE - BEAM - B1



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PROJECT: SOLAR PANEL SUPPORT

ADDRESS: TALOYOK, NUNAVUT

DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM

DRAWING TITLE: CHECK CUST REF.

[B.1] PO

BEAM JOB # 5822

BEAM DRAWING #5822-09-01-001|REV.

HOLES: 20.6

U.N.O.

PAINT: GALVANIZE

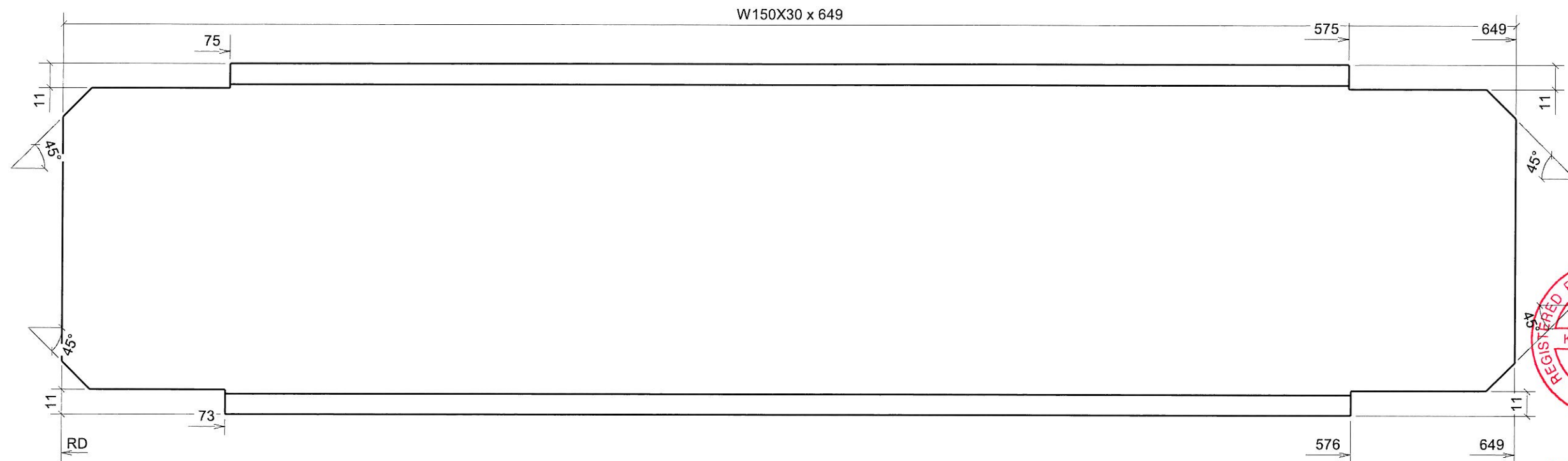
U.N.O.

WELD: 8/8

FILLET ALL AROUND

U.N.O.

STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W



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2 - BEAMS - B2

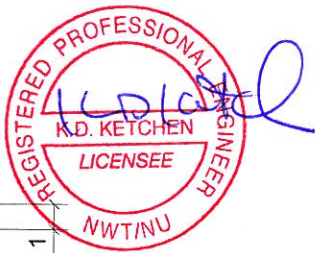
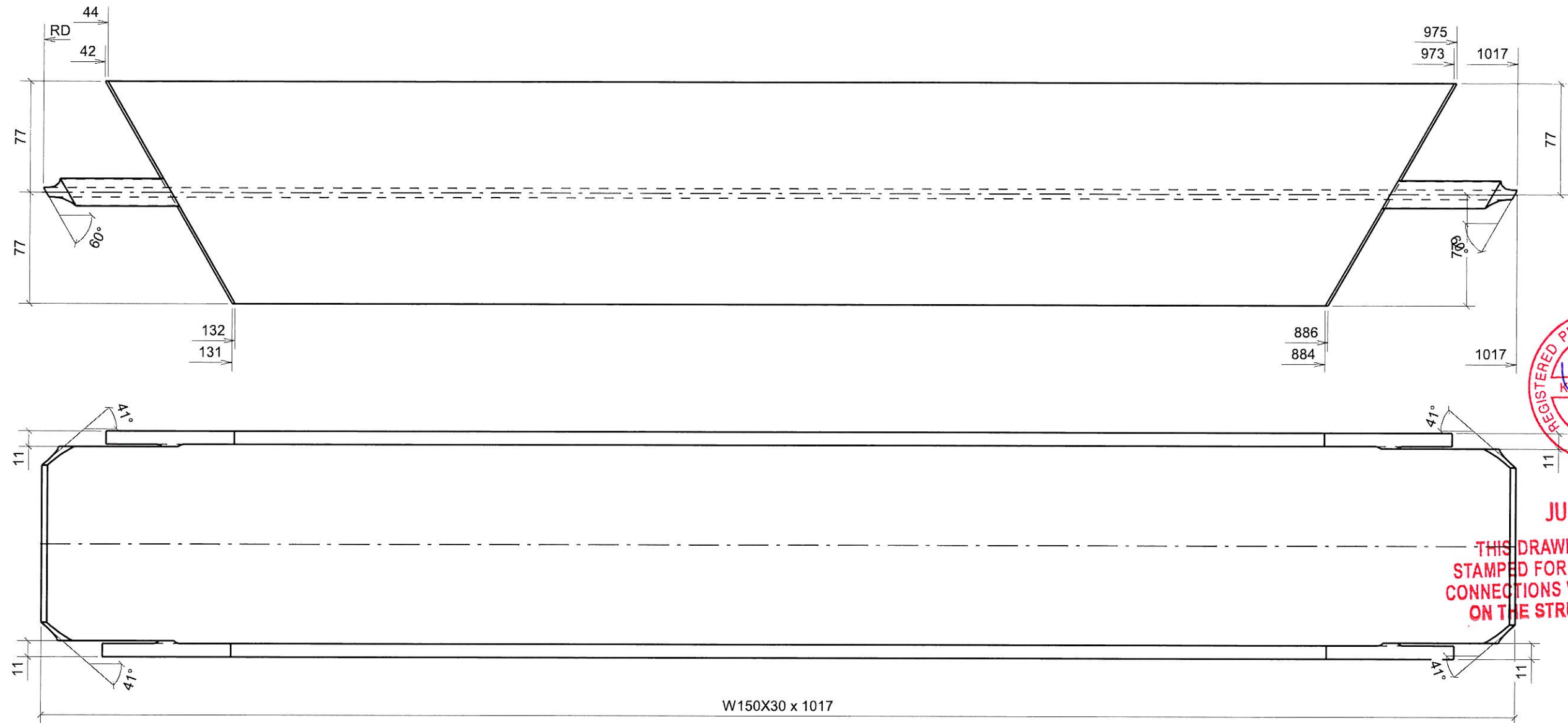


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PROJECT: SOLAR PANEL SUPPORT
ADDRESS: TALOYOAK, NUNAVUT
DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM
DRAWING TITLE: CHECK CUST REF.
[B.2] PO
BEAM JOB # 5822
BEAM DRAWING #5822-09-01-002|REV.

HOLES: 20.6	U.N.O.
PAINT: GALVANIZE	U.N.O.
WELD: FILLET ALL AROUND	U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W	



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W150X30 x 1017

3 - BEAMS - B3

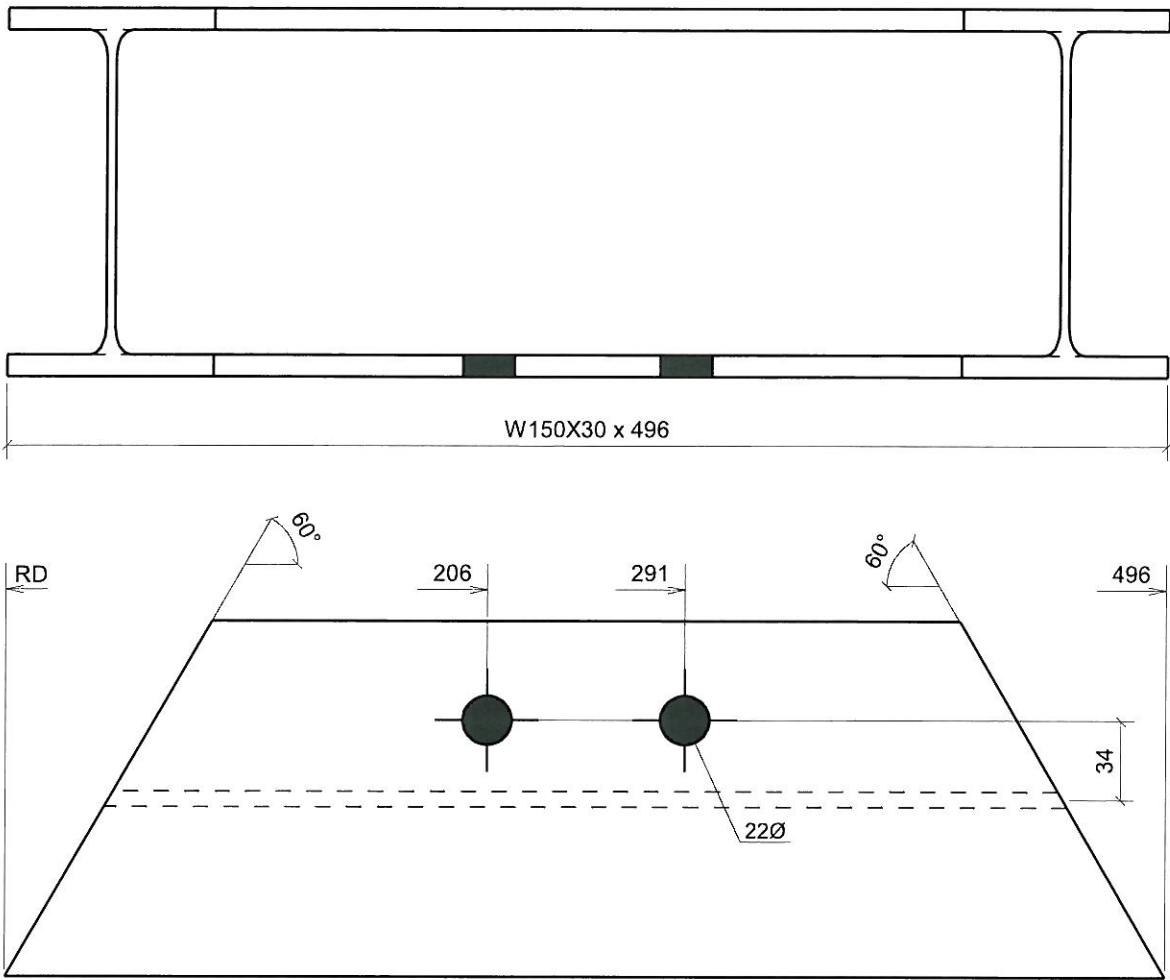
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PROJECT: SOLAR PANEL SUPPORT
ADDRESS: TALOY OAK, NUNAVUT
DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM
DRAWING TITLE: CHECK CUST REF.
[B.3] PO
BEAM JOB # 5822
BEAM DRAWING #5822-09-01-003/REV.

HOLES: 20.6	U.N.O.
PAINT: GALVANIZE	U.N.O.
WELD: 8 8	FILLET ALL AROUND U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W	



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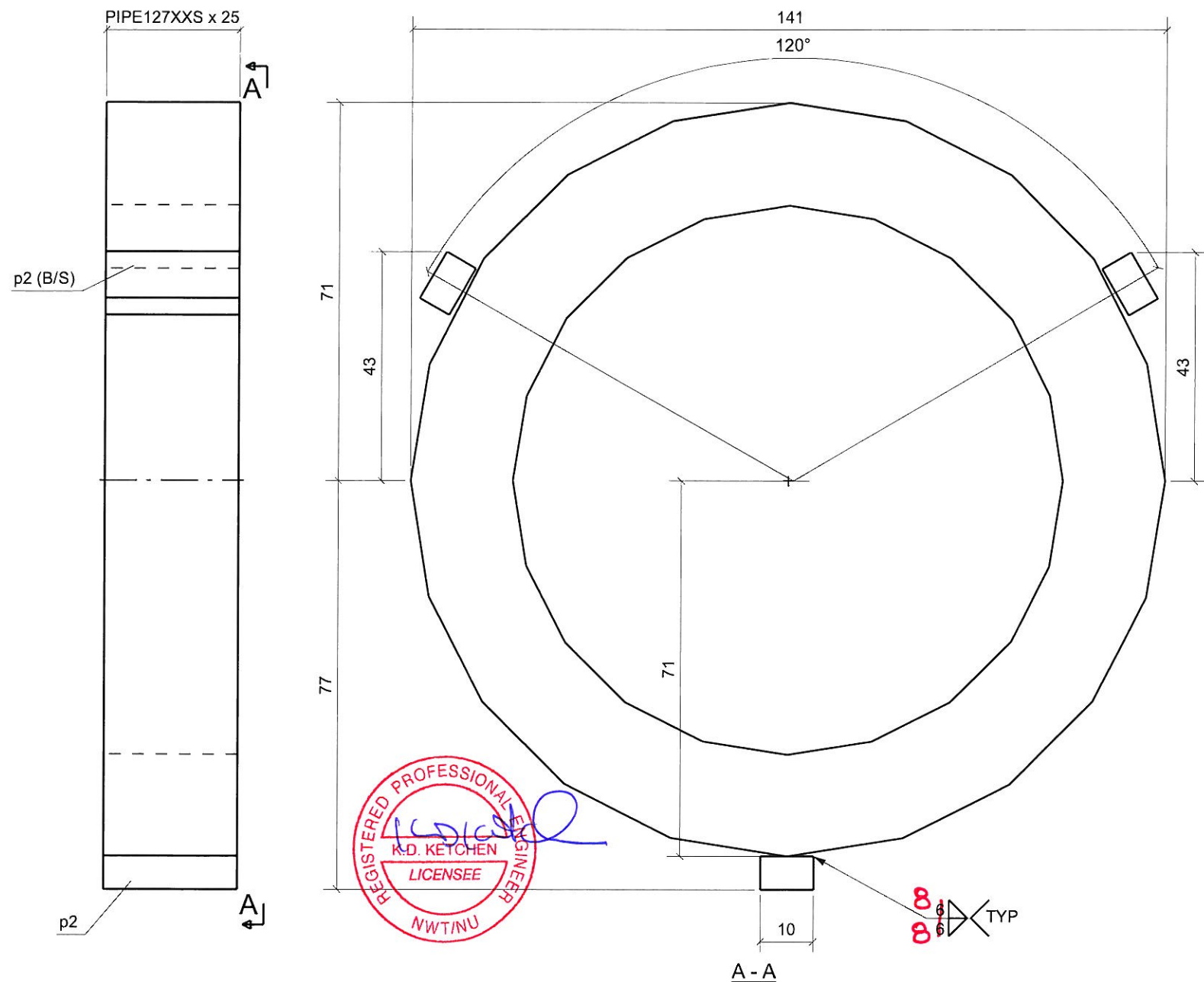
3 - BEAMS - B4



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COMPANY: BI PUREWATER		
ADDRESS: #2,9790-190 STR. SURREY, BC		
TEL/FAX: 604-882-6650/604-882-6659		
PROJECT: SOLAR PANEL SUPPORT		
ADDRESS: TALOY OAK, NUNAVUT		
DATE: 15.05.10	DRAWN: IK	PK REF. JIM TAM
DRAWING TITLE: [B.4]	CHECK	CUST REF.
BEAM		PO
BEAM		JOB # 5822
		DRAWING # 5822-09-01-004 REV.

HOLES: 20.6	U.N.O.
PAINT: GALVANIZE	U.N.O.
WELD: 8 8	FILLET ALL AROUND U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W	



SPLIT PIPE OPEN TO MAKE GAP IN ORDER TO SLIP IT ONTO THE LEG.
AFTER INSTALLING FILL GAP WITH WELD.

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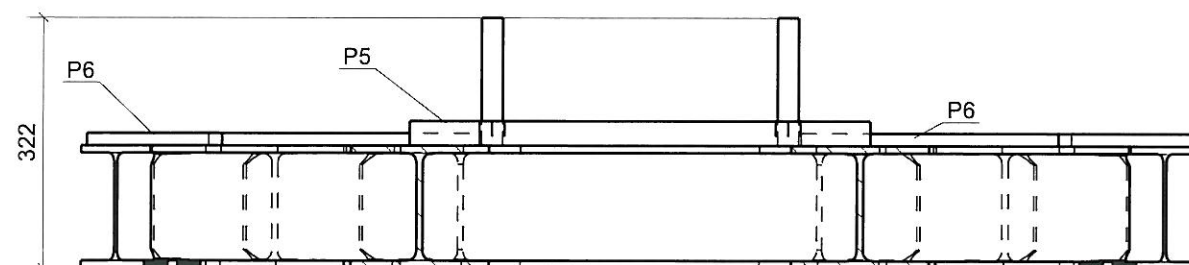
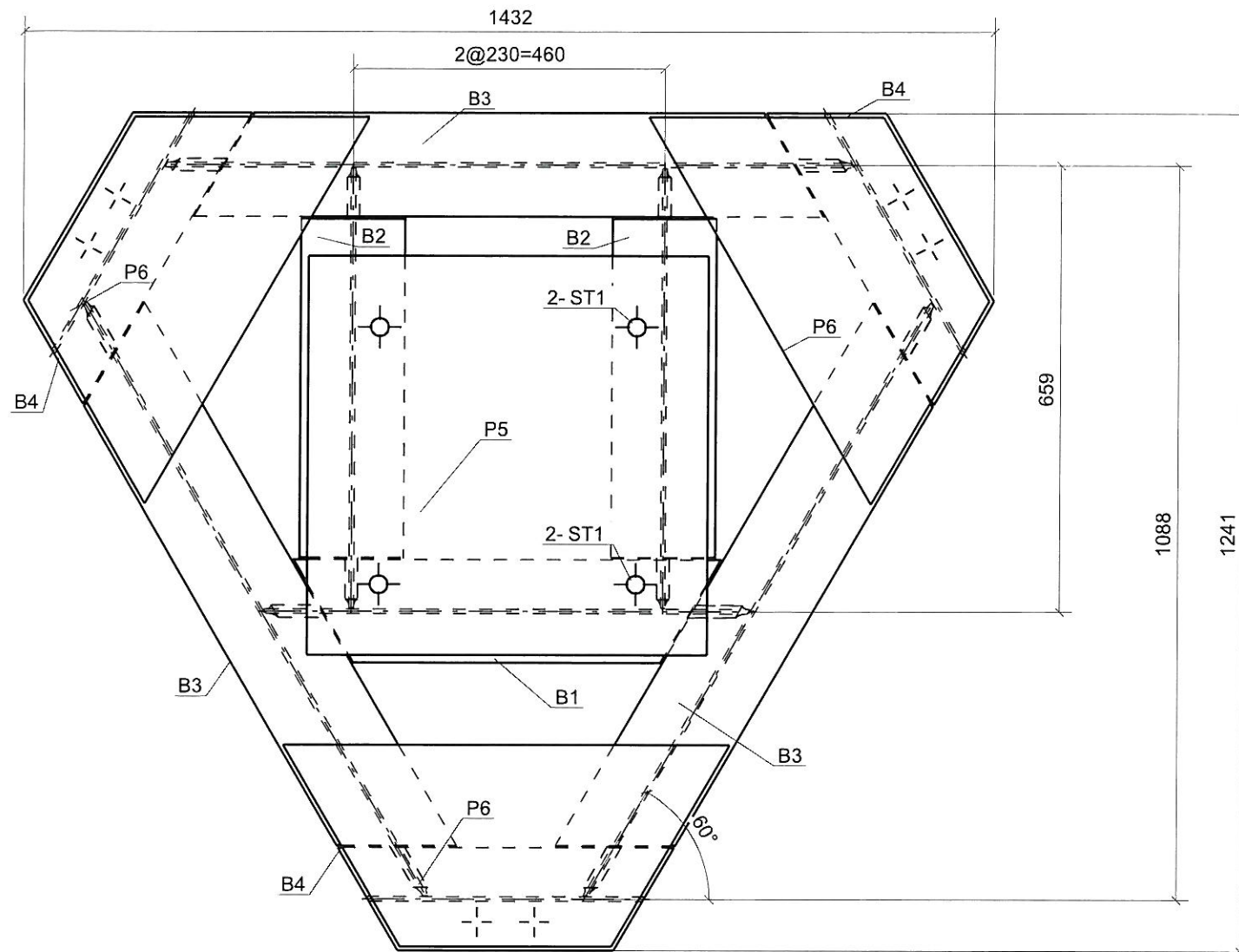
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ADDRESS: #2,9790-190 STR. SURREY, BC		
TEL/FAX: 604-882-6650/604-882-6659		
PROJECT: SOLAR PANEL SUPPORT		
ADDRESS: TALOYOAK, NUNAVUT		
DATE: 15.05.10	DRAWN: IK	PK REF. JIM TAM
DRAWING TITLE: COLAR	CHECK	CUST REF.
C1		PO
		JOB # 5822
		DRAWING #5822-10-02-001
		REV.

33 - COLARS - C1					
MARK	QTY	DESCRIPTION	LENGTH _{mm}	WEIGHT _{lbs}	REMARKS
C1	33	PIPE127XXS	24	98.6	A53
p2	99	PL6X10	25	2.7	300W
TOTAL WEIGHT				101.2	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: 8/8				
FILLET ALL AROUND				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				



ONE - MASTER PLATFORM - FR1

MARK	QTY	DESCRIPTION	LENGTH _{mm}	WEIGHT _{lbs}	REMARKS
B1	1	W150X30	718	47.1	
B2	2	W150X30	649	85.2	
B3	3	W150X30	1017	200.1	
B4	3	W150X30	496	97.6	
P5	1	PL32X590	590	191.3	
P6	3	PL16X300	659	120.1	
ST1	4	D27	165	6.2	THREADED
TOTAL WEIGHT				747.6	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: 8 8				
FILLET ALL AROUND				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				



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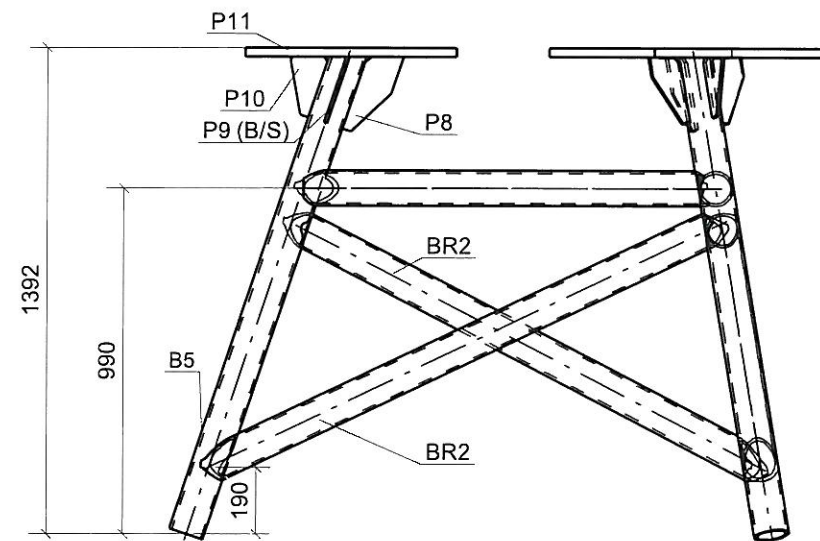
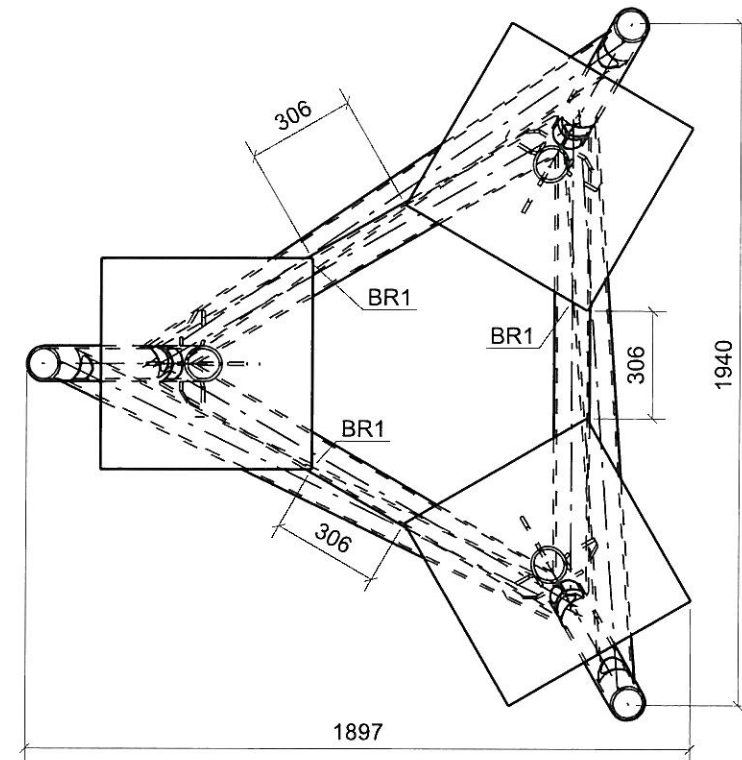
DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM

DRAWING TITLE: CHECK CUST REF.

FRAME PO

FR1 JOB # 5822

DRAWING #5822-10-29-001 REV.




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ONE - BASE - FR2

MARK	QTY	DESCRIPTION	LENGTH <small>mm</small>	WEIGHT <small>lbs</small>	REMARKS
B5	3	HSS102X8.0	1457	177.1	
BR1	3	HSS102X8.0	1335	162.2	
BR2	3	HSS102X8.0	1769	214.9	
P8	3	PL10X100	250	8.9	
P9	6	PL10X100	198	14.3	
P10	3	PL10X100	178	5.6	
P11	3	PL600X25	600	474.7	
TOTAL WEIGHT				1057.6	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				U.N.O.
PAINT: GALVANIZE				U.N.O.
WELD:  FILLET ALL AROUND				U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

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PROJECT: SOLAR PANEL SUPPORT

ADDRESS: TALOYOK, NUNAVUT

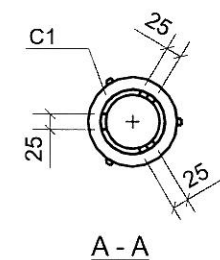
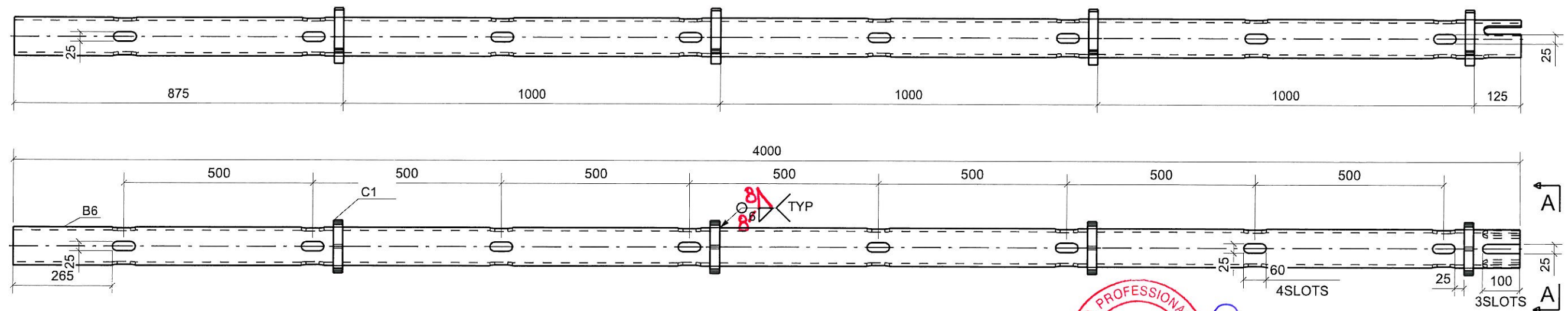
DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM

DRAWING TITLE: CHECK CUST REF.

FRAME PO

FR2 JOB # 5822

DRAWING #5822-10-29-002 REV.



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3 - LEGS - FR3

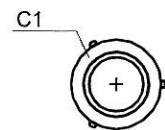
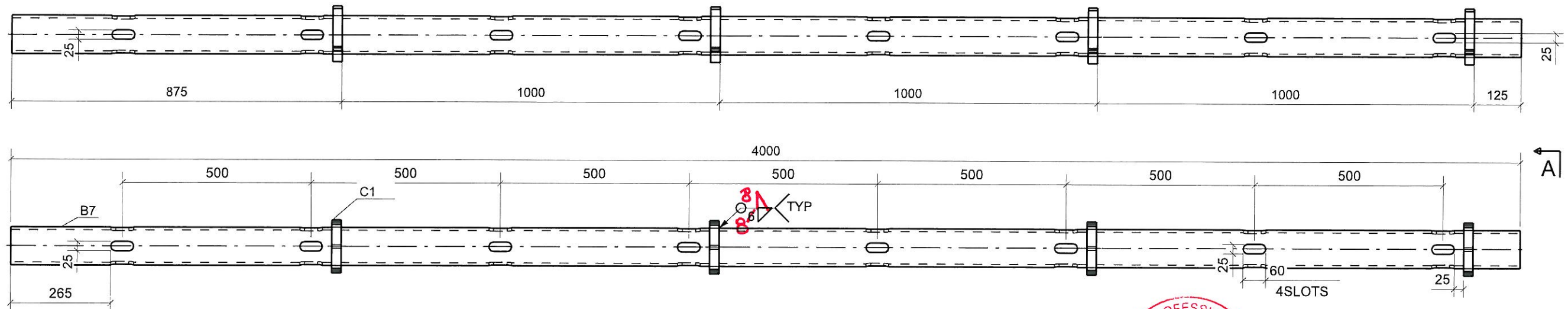
MARK	QTY	DESCRIPTION	LENGTH _{mm}	WEIGHT _{lbs}	REMARKS
C3	132	PIPE127XXS	25	394.2	A53
p2	396	PL6X10	25	10.7	
B6	3	HSS102X8.0	4000	486.0	
TOTAL WEIGHT				890.9	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				U.N.O.
PAINT: GALVANIZE				U.N.O.
WELD: 6 8				FILLET ALL AROUND U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

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PROJECT: SOLAR PANEL SUPPORT		
ADDRESS: TALOYOK, NUNAVUT		
DATE: 15.05.10	DRAWN: IK	PK REF. JIM TAM
DRAWING TITLE: FRAME	CHECK	CUST REF.
FR3		PO
		JOB # 5822
		DRAWING #5822-10-29-003 REV.



A - A




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3 - LEGS - FR4

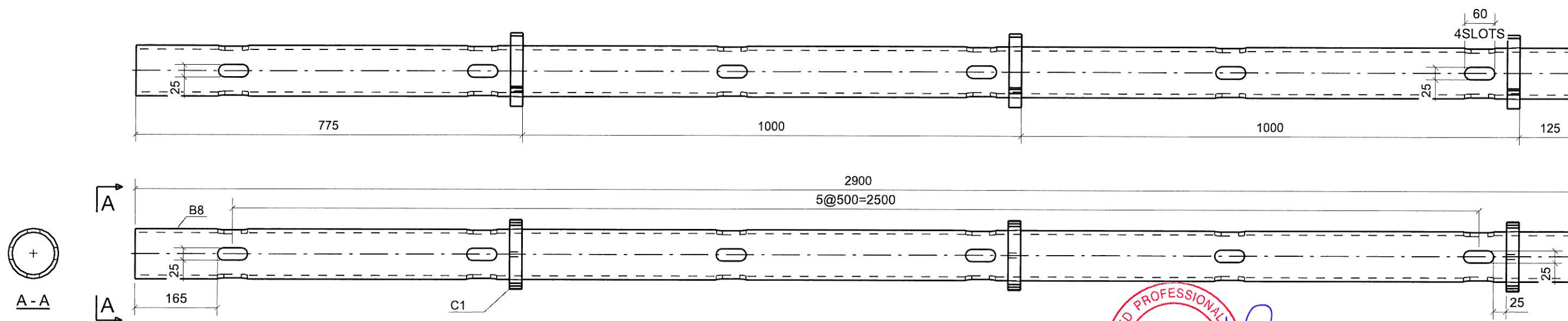
MARK	QTY	DESCRIPTION	LENGTH _{mm}	WEIGHT _{lbs}	REMARKS
C3	132	PIPE127XXS	25	394.2	A53
p2	396	PL6X10	25	10.7	
B7	3	HSS102X8.0	4000	486.0	
TOTAL WEIGHT				890.9	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				U.N.O.
PAINT: GALVANIZE				U.N.O.
WELD:  FILLET ALL AROUND				U.N.O.
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

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PROJECT: SOLAR PANEL SUPPORT
ADDRESS: TALOYOAK, NUNAVUT
DATE: 15.05.10 DRAWN: IK PK REF. JIM TAM
DRAWING TITLE: CHECK CUST REF.
FRAME PO
FR4 JOB # 5822
DRAWING #5822-10-29-004 REV.



JUN 22 2010

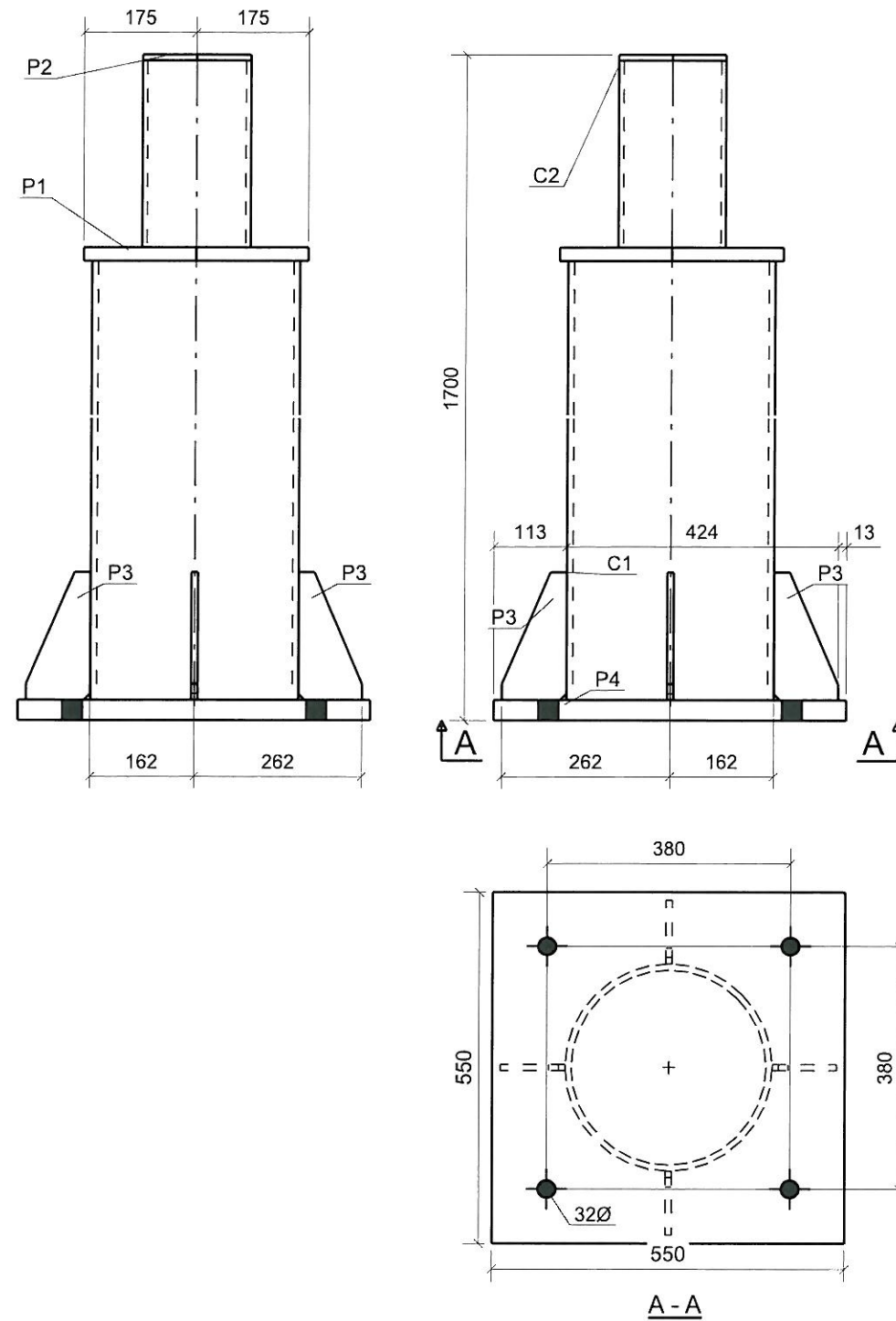
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3 - LEGS - FR5

MARK	QTY	DESCRIPTION	LENGTH	WEIGHT	REMARKS
B8	3	HSS102X8.0	2900	352.3	350W
C1	9	COLARS SUBASSEMBLIES		27.6	
		TOTAL WEIGHT		379.9	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6 U.N.O.				
PAINT: GALVANIZE U.N.O.				
WELD: 8-8 FILLET ALL AROUND U.N.O.				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

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ADDRESS: TALOYOAK, NUNAVUT	
DATE: 15.05.10	DRAWN: IK PK REF. JIM TAM
DRAWING TITLE: FRAME	CHECK CUST REF.
FR5	PO
	JOB # 5822
	DRAWING #5822-10-29-005 REV.



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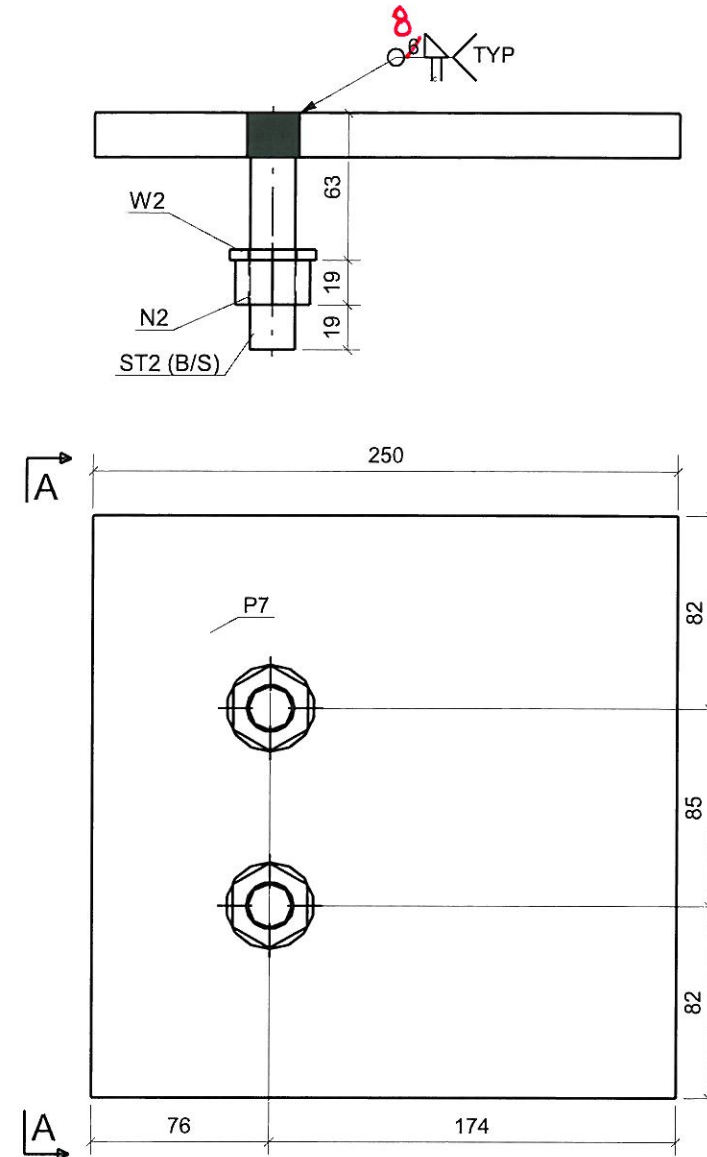
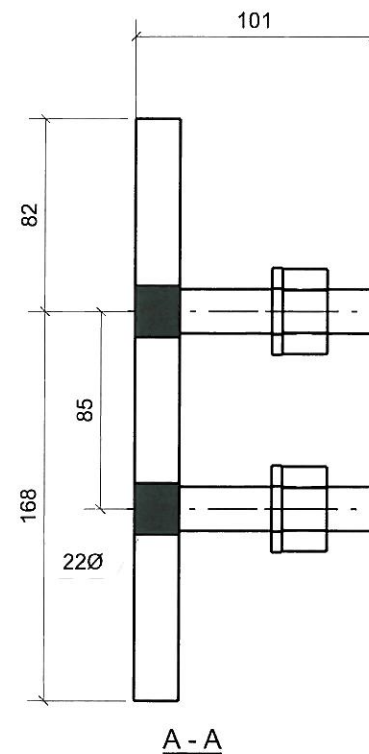
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ADDRESS: TALOYOK, NUNAVUT		
DATE: 15.05.10	DRAWN: IK	PK REF. JIM TAM
DRAWING TITLE: FRAME	CHECK	CUST REF. PO
FR6		JOB # 5822
		DRAWING #5822-10-29-006 REV.

ONE - SOLAR MASTER - FR6					
MARK	QTY	DESCRIPTION	LENGTH mm	WEIGHT lbs	REMARKS
C1	1	HSS324X9.5	1348	219.5	
C2	1	HSS168X8.0	291	20.1	
P1	1	PL21X350	350	34.1	
P2	1	PL10X168	168	3.6	
P3	4	PL10X100	200	8.8	
P4	1	PL550X32	550	166.2	
TOTAL WEIGHT				452.3	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: 6 8				
FILLET ALL AROUND				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				



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3 - FRAME ANCHOR PLATES - FR7

MARK	QTY	DESCRIPTION	LENGTH mm	WEIGHT lbs	REMARKS
N2	6	3/4_HEAVY_HEX_NUT	19	1.1	
P7	3	PL19X250	250	61.8	
ST2	6	D19	101	2.7	THREADED
W2	6	3/4_WASHER	5	0.3	
TOTAL WEIGHT				66.0	

QTY.	SIZE	LONG	A325	U.N.O.
HOLES: 20.6				
PAINT: GALVANIZE				
WELD: 6 8				
FILLET ALL AROUND				
STEEL GRADE: G40.21 GRADE 300W, W SHAPE 350W				

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Tel: 604-882-8699 Fax: 604-882-8799

COMPANY: BI PUREWATER			
ADDRESS: #2,9790-190 STR. SURREY, BC			
TEL/FAX: 604-882-6650/604-882-6659			
PROJECT: SOLAR PANEL SUPPORT			
ADDRESS: TALOYOAK, NUNAVUT			
DATE: 15.05.10		DRAWN: IK	
		PK REF. JIM TAM	
DRAWING TITLE:		CHECK	
FRAME		CUST REF.	
		PO	
FR7		JOB # 5822	
		DRAWING # 5822-10-29-007	
		REV.	