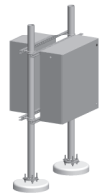


AUTOMATED WEATHER STATION

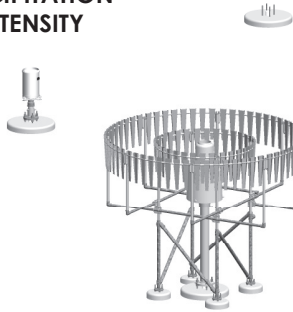
**CENTRAL HUB
(SIGNAL AND POWER)**



SNOW DEPTH 1



**PRECIPITATION
INTENSITY**



**PRECIPITATION
ACCUMULATION**

2 m WIND



SNOW DEPTH 2



**TEMPERATURE AND
RELATIVE HUMIDITY**



SNOW DEPTH 3



10 m WIND



Environment
Canada

Environnement
Canada

REVISION HISTORY:

REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	01/MAR/17	J.H.

AWS FOUNDATION SUMMARY

DESCRIPTION	DRAWING NUMBER	QUANTITY
INSTRUMENT BASE	AWS-IBC-A00	8
PRECIPITATION BASE	AWS-PBC-B00	1
WIND BASE	GT-C-S1	1
WIND ANCHOR	GT-C-S2	3
COMMUNICATION BASE	AWS-CBC-A00	2
SNOW DEPTH TARGET	AWS-STI-A00	3

NOTES:

- LAYOUT ALIGNED WITH TRUE NORTH.
- LAYOUT SHOWN FOR PREVAILING WIND DIRECTION FROM THE WEST. LAYOUT CAN BE MIRRORED FOR PREVAILING WIND DIRECTION FROM THE EAST.
- SNOW DEPTH TARGET DISTANCE FROM BASE SHOWN FOR AWS-SDI-C00 SNOW DEPTH MOUNTING (~2 m SENSOR HEIGHT).
- SEE AWS-STI-A00 DRAWING PACKAGE FOR SNOW DEPTH TARGET ASSEMBLY AND INSTALLATION.
- COMMUNICATIONS BASE AND WIND (10m) BASE SHALL BE GROUNDED WITH TWO GROUNDING RODS OR A GROUNDING PLATE. SEE DRAWINGS AWS-GD1-A00 AND AWS-GD2-A00 FOR GROUNDING ROD AND PLATE DETAILS.
- PRECIPITATION BASE SHALL BE GROUNDED WITH ONE GROUNDING ROD OR PLATE. SEE DRAWINGS AWS-GD1-A00 AND AWS-GD2-A00 FOR GROUNDING ROD AND PLATE DETAILS.
- GROUNDING RODS MUST BE SPACED 3 m APART AND AT LEAST 1 m FROM ELECTRICAL CABLES.
- GROUNDING PLATES SHALL BURIED A MINIMUM 600 mm BELOW GRADE AND BE AT LEAST 1 m FROM ELECTRICAL CABLES.
- PLUVIO2 PRECIPITATION BASE SHOWN FOR REFERENCE. REFER TO AWS-PBC-A00 FOR GEONOR BASE.

DO NOT SCALE

PROPRIETARY AND CONFIDENTIAL
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 LINEAR: ±0.10 m
 ANGULAR: ±2.0°

DESIGN:	JEFFERY HOOVER	1-MAR-2017
APPROVED:	SORIN PINZARIU	1-MAR-2017

MATERIAL: N/A
 FINISH: N/A

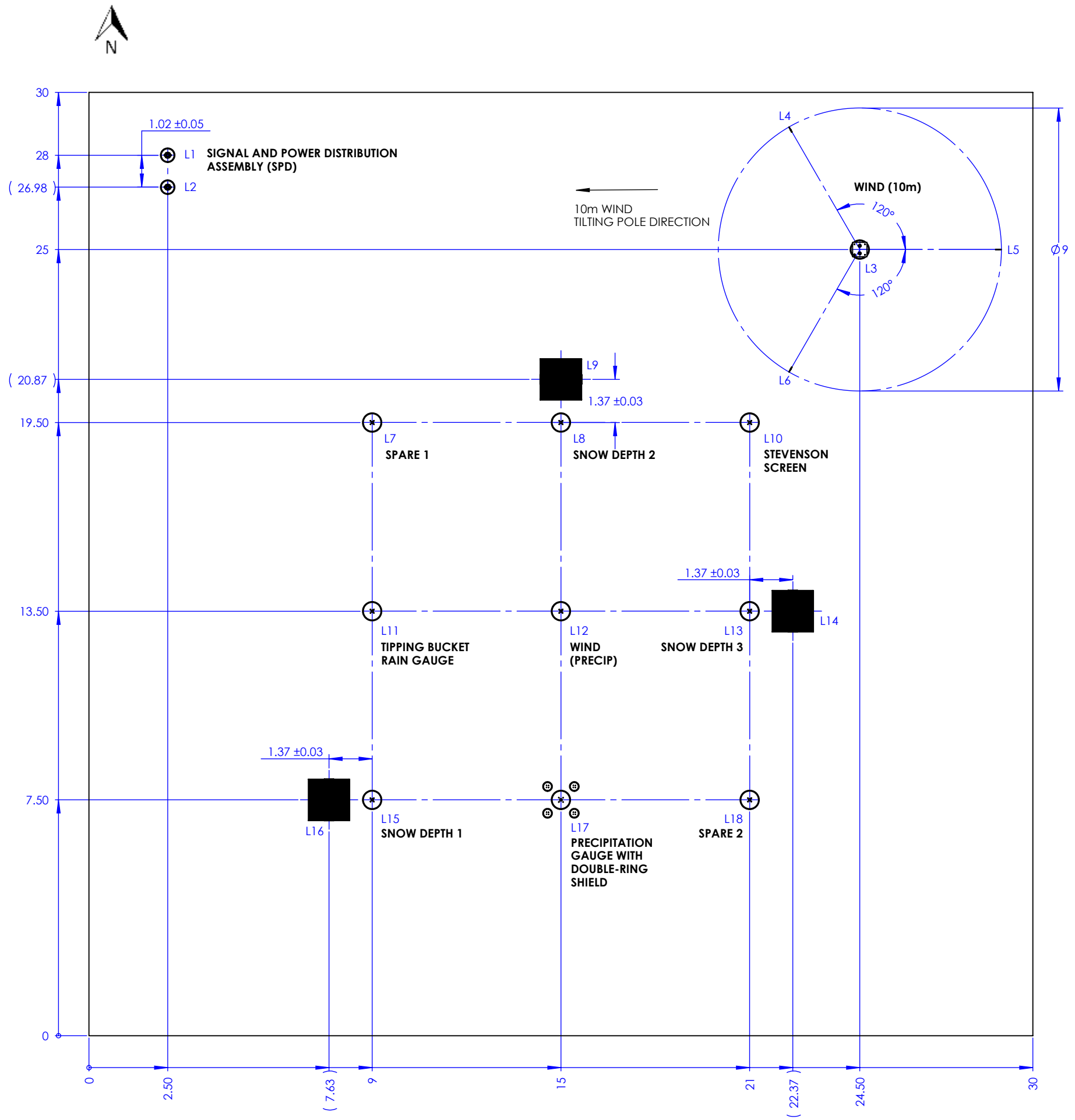
SPECIFICATION:

ALL DIMENSIONS IN METERS UNLESS OTHERWISE INDICATED

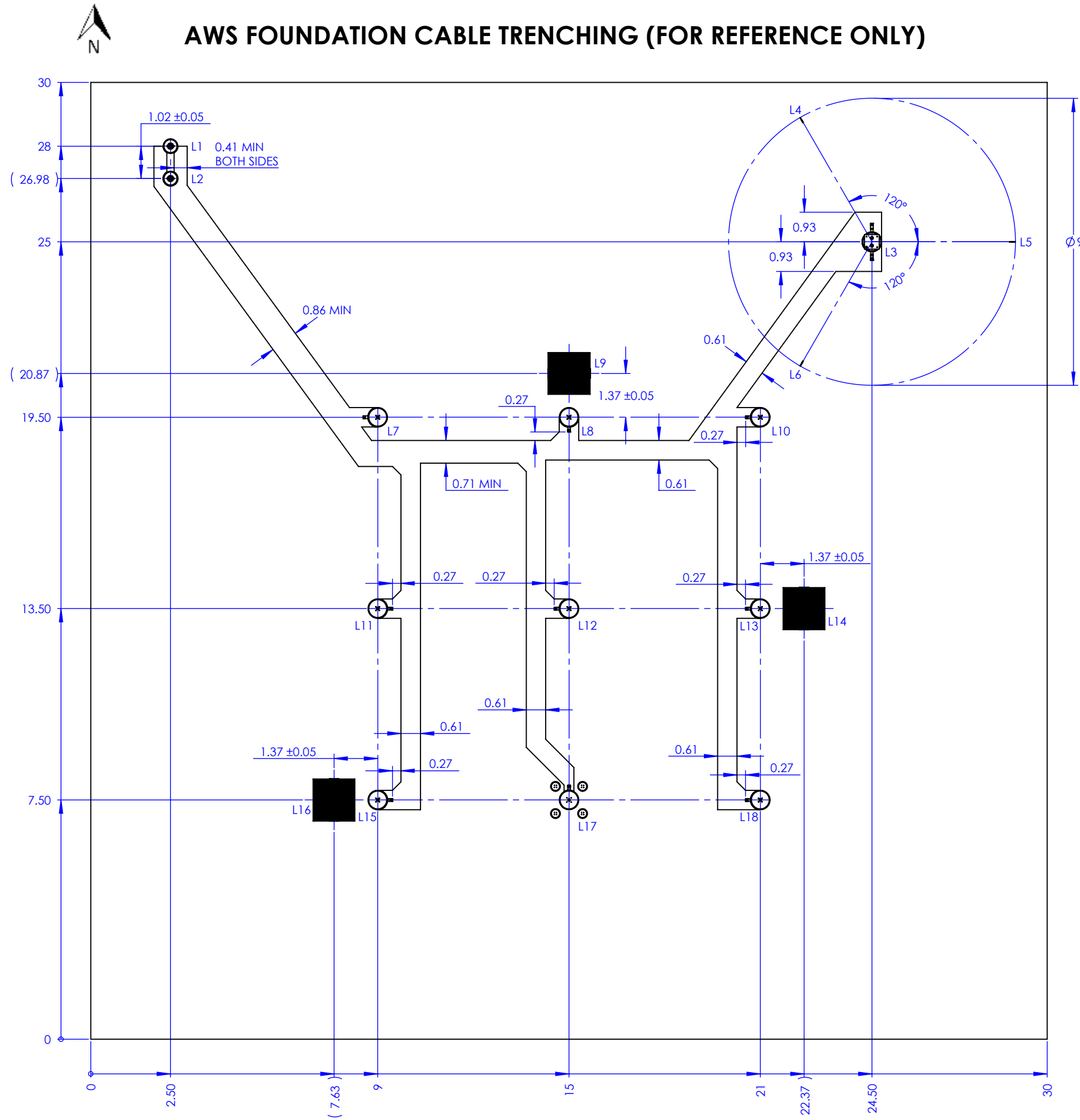
Environment Canada / Environnement Canada
 Meteorological Service of Canada / Service Météorologique du Canada

TITLE:
AWS FOUNDATION SQUARE LAYOUT

DRAWING NUMBER:	AWS-LA2-A00	REVISION:	01
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AWS FOUNDATION CABLE TRENCHING (FOR REFERENCE ONLY)



AWS FOUNDATION SUMMARY

DESCRIPTION	DRAWING NUMBER	QUANTITY
INSTRUMENT BASE	AWS-IBC-A00	8
PRECIPITATION BASE	AWS-PBC-B00	1
WIND BASE	GT-C-S1	1
WIND ANCHOR	GT-C-S2	3
COMMUNICATION BASE	AWS-CBC-A00	2
SNOW DEPTH TARGET	AWS-STI-A00	3

REVISION HISTORY:			
REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	01/MAR/17	J.H.

- NOTES:**
- TRENCHING PATHS SHOWN FOR REFERENCE ONLY.
 - TRENCH DEPTH ALONG ADJACENT CABLE RUNS SHALL BE 24" MINIMUM FOR ARMORED CABLES (32" MIN FOR NON-ARMORED CABLES). SEE DRAWING AWS-CR1-A00 FOR CABLE ROUTING REQUIREMENTS.
 - TRENCH DEPTH AROUND CROSSING CABLE LOCATIONS (AROUND BASES) SHALL BE 32" MINIMUM FOR ARMORED CABLES (38" MIN FOR NON-ARMORED CABLES). SEE DRAWING AWS-CR1-A00 FOR CABLE ROUTING REQUIREMENTS.

AWS FOUNDATION LAYOUT

LOCATION	STANDARD BASE	BASE DRAWING NUMBER
L1	COMMUNICATION BASE	AWS-CBC-A00
L2	COMMUNICATION BASE	AWS-CBC-A00
L3	WIND BASE	GT-C-S1
L4	WIND ANCHOR	GT-C-S2
L5	WIND ANCHOR	GT-C-S2
L6	WIND ANCHOR	GT-C-S2
L7	INSTRUMENT BASE	AWS-IBC-A00
L8	INSTRUMENT BASE	AWS-IBC-A00
L9	SNOW DEPTH TARGET	AWS-STI-A00
L10	INSTRUMENT BASE	AWS-IBC-A00
L11	INSTRUMENT BASE	AWS-IBC-A00
L12	INSTRUMENT BASE	AWS-IBC-A00
L13	INSTRUMENT BASE	AWS-IBC-A00
L14	SNOW DEPTH TARGET	AWS-STI-A00
L15	INSTRUMENT BASE	AWS-IBC-A00
L16	SNOW DEPTH TARGET	AWS-STI-A00
L17	PRECIPITATION BASE	AWS-PBC-B00
L18	INSTRUMENT BASE	AWS-IBC-A00

- LAYOUT SHOWN FOR PREVAILING WIND DIRECTION FROM THE WEST. LAYOUT CAN BE MIRRORED FOR PREVAILING WIND DIRECTION FROM THE EAST.
- OPTIONAL HELICAL OR CONCRETE ANCHORS FOR 10m WIND TOWER GUY ANCHORS. HELICAL ANCHOR PREFERRED FOR REDUCED INFLUENCE ON TEMPERATURE MEASUREMENT.
- REFER TO AWS-STI-A00 DRAWING PACKAGE FOR SNOW DEPTH TARGET ASSEMBLY AND INSTALLATION.
- REFER TO AWS-PSL-A01, AWS-CR1-A00 AND AWS-SSL-A01 FOR CABLE DETAILS.
- REFER TO AWS-LA1-A00 FOR GROUNDING DETAILS (NOTES 5, 6, 7 AND 8).
- PLUVIO2 PRECIPITATION BASE SHOWN FOR REFERENCE. REFER TO AWS-PBC-A00 FOR GEONOR BASE.

DO NOT SCALE

PROPRIETARY AND CONFIDENTIAL
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
LINEAR: ±0.10 m
ANGULAR: ±2.0°

DESIGN:	JEFFERY HOOVER	1-MAR-2017
APPROVED:	SORIN PINZARIU	1-MAR-2017

MATERIAL: N/A

FINISH: N/A

SPECIFICATION:

ALL DIMENSIONS IN METERS UNLESS OTHERWISE INDICATED

Environment Canada
 Environment Canada
 Meteorological Service of Canada
 Service Météorologique du Canada

TITLE:
**CABLE TRENCHING
 OFFSET OPTION**

DRAWING NUMBER: **AWS-CT2-A00** REVISION: **01**

REVISION HISTORY:

REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	1/MAR/17	J.H.

NOTES:

1. SCREENED SAND OR SCREENED EARTH WITH PARTICLE SIZE LESS THAN 4.75 mm ADDED IN TRENCH TO ENCASE POWER AND SIGNAL CABLES.
2. ELECTRICAL CABLE INSTALLATION MUST MEET ALL REGIONAL CODES AND STANDARDS.
3. 10.5" MINIMUM CABLE BEND RADIUS FOR 1" DIAMETER CABLES.
4. 24" (18" MIN) CABLE DEPTH BELOW GRADE FOR ARMORED CABLES. 30" (24" MIN) CABLE DEPTH BELOW GRADE FOR NON-ARMORED CABLES.
5. ELECTRICAL POWER CABLE AND SIGNAL CABLE MUST EXTEND 4m ABOVE CONDUIT AT ALL BASES.
6. INSULATED CABLES SHALL NOT BE INSTALLED WHEN THE TEMPERATURES ARE SUFFICIENTLY LOW TO CAUSE DAMAGE TO THE CABLE INSULATION.
7. WHERE CABLES ARE SUBJECT TO MOVEMENT BY SETTLEMENT OR FROST, SLACK IN THE FORM OF A CABLE LOOP SHALL BE ADDED TO PREVENT CABLE DAMAGE.
8. BACKFILL CONTAINING LARGE ROCKS OR OTHER MATERIALS SHALL NOT BE PLACED IN AN EXCAVATION WHERE SUCH MATERIALS MAY DAMAGE CABLES, PREVENT ADEQUATE COMPACTION, OR CONTRIBUTE TO CORROSION OF CABLE OR SUBSTRUCTURES.

DO NOT SCALE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 LINEAR: ±1/2"
 ANGULAR: ±2.0°

DESIGN: **JEFFERY HOOVER** 1-MAR-2017

APPROVED: **SORIN PINZARIU** 1-MAR-2017

MATERIAL: N/A

FINISH: N/A

SPECIFICATION:

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE INDICATED

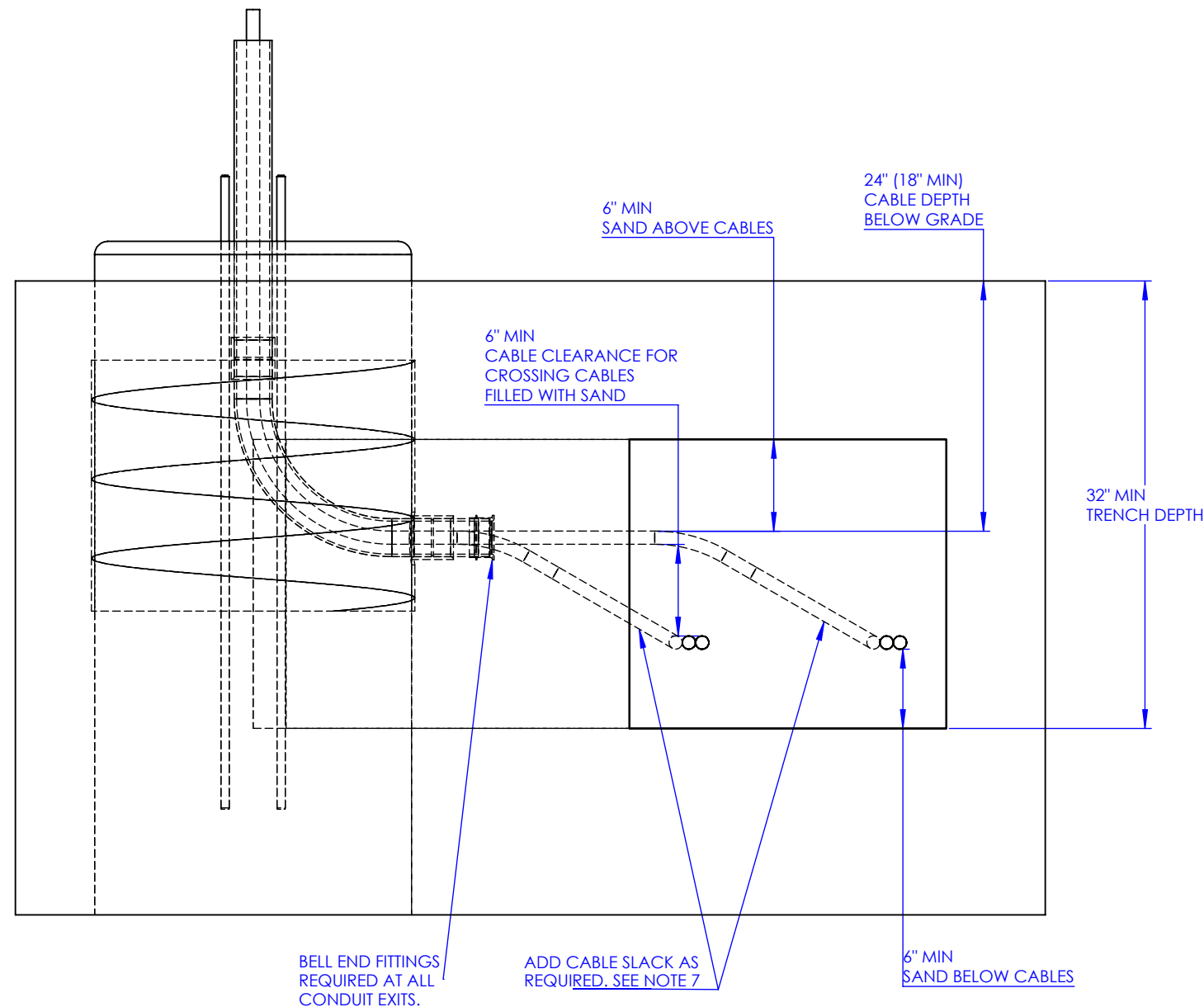
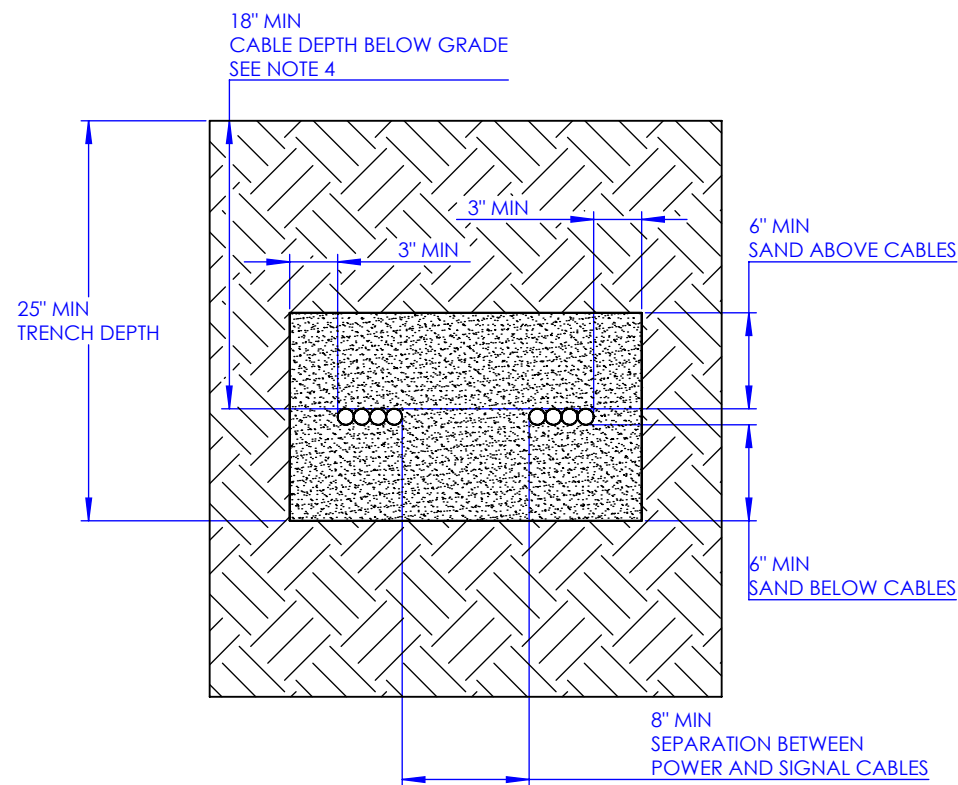
Environment Canada / Environnement Canada
 Meteorological Service of Canada / Service Météorologique du Canada

TITLE: **POWER & SIGNAL CABLE ROUTING**

DRAWING NUMBER: **AWS-CR1-A00** REVISION: **01**

POWER AND SIGNAL CABLE ROUTING FOR CROSSING ARMORED CABLES

TRENCH PROFILE FOR ADJACENT ARMORED CABLES



REVISION HISTORY:

REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	1/MAR/17	J.H.

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	QUANTITY
1	SONOTUBE, 24" DIA., 28" LENGTH	N/A	1
2	CONCRETE FOUNDATION, MIN 25 MPa AT 28 DAYS, SEE NOTES	CONCRETE MIN 25 MPa	0.75 m ³
3	THREADED PIPE FLANGE, FOR 3" SCH. 40 PIPE.	ALUMINUM	1
4	PIPE NIPPLE, FULLY THREADED, 3" SCH. 40, 3 NPT.	ALUMINUM	1
5	THREADED ROD, 5/8"-11, 48" MIN LENGTH, ASTM A307, CLASS 1A THREAD FIT.	HOT-DIPPED GALVANIZED STEEL	4
6	HEX NUT 5/8"-11, ASTM A563, CLASS 2B THREAD FIT.	HOT DIPPED GALVANIZED	12
7	WASHER 5/8", ASTM F436 (TYPE 1).	HOT-DIPPED GALVANIZED STEEL	8
8	CONDUIT TUBE, 2.5" SCH. 40, 4.25" LENGTH	RIGID PVC	1
9	CONDUIT ELBOW, PLAIN ENDS, 2.5" SCH. 40.	RIGID PVC	1
10	CONDUIT COUPLING, 2.5" SCH. 40.	RIGID PVC	2
11	CONDUIT END BELL, 2.5" SCH. 40.	RIGID PVC	1
12	CONDUIT TUBE, 2.5" SCH. 40, 24" LENGTH	RIGID PVC	1

NOTES:

- INSTRUMENT BASE DESIGN LOADS:
COMPRESSION: 1.7 kN
HORIZONTAL: 4.0 kN
MOMENT: 7.1 kN-m
- MATERIAL, METHOD OF CONSTRUCTION AND TESTING: CAN/CSA-A23.1 AND A23.2.
- ENSURE CONCRETE SURFACE IS TROWEL FINISHED (SLIGHTLY DOMED) TO ENCOURAGE WATER RUNOFF.
- ALL CONCRETE TO BE MINIMUM 25 MPa AT 28 DAYS CLASS 'C-1' MIX WITH TYPE 10 CEMENT AND 5 TO 8 % AIR CONTENTS.
- ALL EXPOSED THREADS SHALL BE CLEAN. PROTECT DURING INSTALLATION.
- THREADED RODS SHALL BE CENTERED IN BASE WITHIN ± 1".
- FLANGE/TEMPLATE SHALL BE ORIENTED WITH TRUE NORTH AS SHOWN IN FLANGE/TEMPLATE VIEW.
- FLANGE/TEMPLATE SHALL BE LEVEL TO ENSURE VERTICALITY OF THREADED RODS.
- RIGID PVC PIPE (CONDUIT) SHALL BE SECURED MECHANICALLY TO PREVENT DISTURBANCE OF THEIR ALIGNMENT DURING CONSTRUCTION. SEE DETAIL A.
- REFER TO DRAWING AWS-GN1-A00 FOR ADDITIONAL NOTES.

DO NOT SCALE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
LINEAR: ± 1/2"
ANGULAR: ± 2.0°

DESIGN: **JEFFERY HOOVER** 1-MAR-2017


APPROVED: **SORIN PINZARIU** 1-MAR-2017

MATERIAL: N/A

FINISH: N/A

SPECIFICATION:

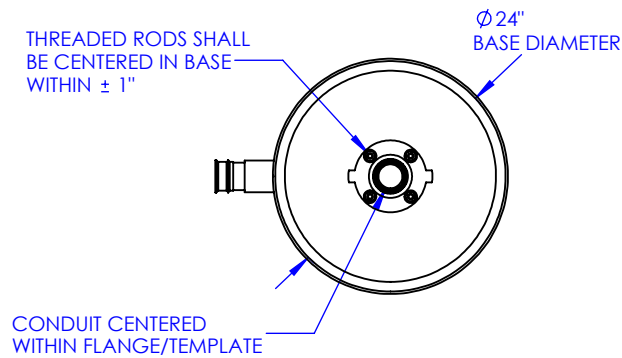
 ALL DIMENSIONS IN INCHES UNLESS OTHERWISE INDICATED

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Meteorological Service of Canada / Service Météorologique du Canada

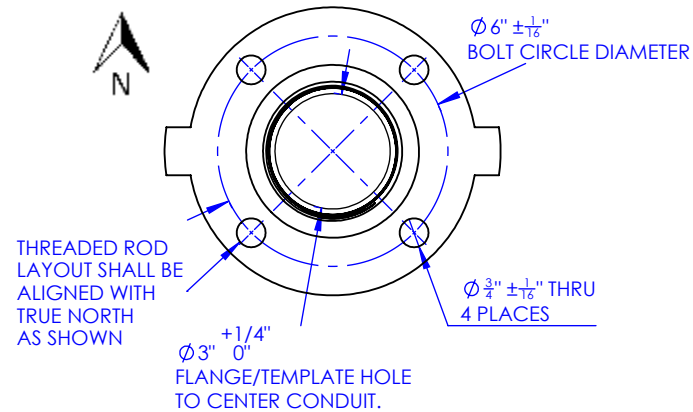
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DRAWING NUMBER: **AWS-IBC-A00** REVISION: **01**

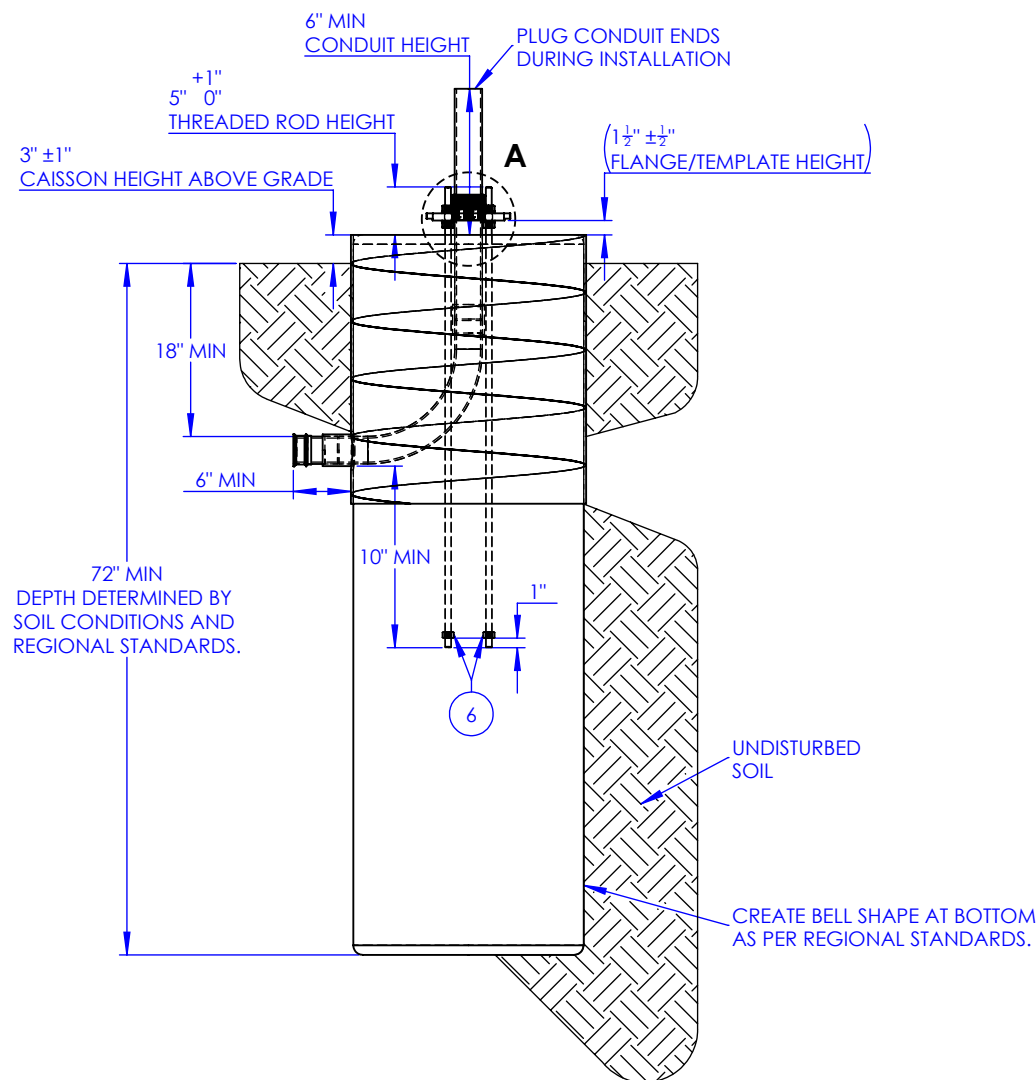
TOP VIEW



**FLANGE/TEMPLATE (ITEMS 3 & 4)
(OPTIONAL WOOD MATERIAL)**

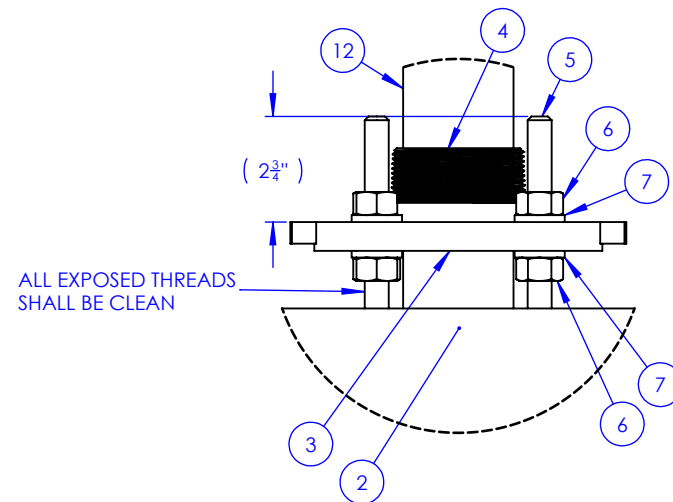


SIDE VIEW

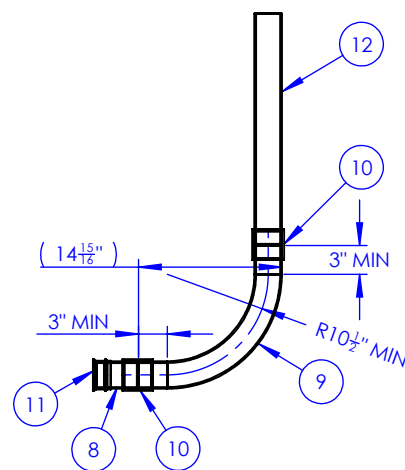


DETAIL A

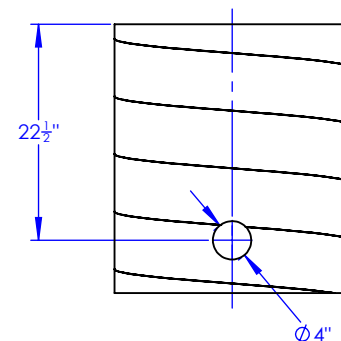
FLANGE AND THREADED ROD INSTALLATION



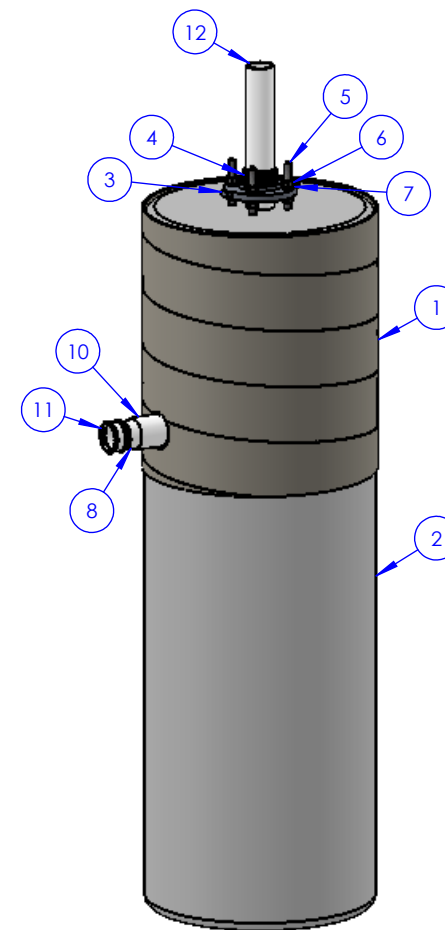
CONDUIT ASSEMBLY



SONOTUBE



ORTHOGRAPHIC VIEW



REVISION HISTORY:

REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	1/MAR/17	J.H.

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	QUANTITY
1	SONOTUBE, 18" DIA., 28" LENGTH	N/A	1
2	CONCRETE FOUNDATION, MIN 25 MPa AT 28 DAYS, SEE NOTES	CONCRETE MIN 25 MPa	0.5 m ³
3	THREADED PIPE FLANGE, FOR 3" SCH. 40 PIPE.	ALUMINUM	1
4	THREADED ROD, 5/8"-11, 36" MIN LENGTH, ASTM A307, CLASS 1A THREAD FIT.	HOT-DIPPED GALVANIZED STEEL	4
5	HEX NUT 5/8"-11, ASTM A563, CLASS 2B THREAD FIT.	HOT DIPPED GALVANIZED	12
6	WASHER 5/8", ASTM F436 (TYPE 1).	HOT-DIPPED GALVANIZED STEEL	8

NOTES:

1. COMMUNICATIONS BASE DESIGN LOADS:
COMPRESSION: 3.3 kN
HORIZONTAL: 4.6 kN
MOMENT: 4.7 kN-m
2. MATERIAL, METHOD OF CONSTRUCTION AND TESTING: CAN/CSA-A23.1 AND A23.2.
3. ENSURE CONCRETE SURFACE IS TROWEL FINISHED (SLIGHTLY DOMED) TO ENCOURAGE WATER RUNOFF.
4. ALL CONCRETE TO BE MINIMUM 25 MPa AT 28 DAYS CLASS 'C-1' MIX WITH TYPE 10 CEMENT AND 5 TO 8 % AIR CONTENTS.
5. ALL EXPOSED STRUCTURAL STEEL IS TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH CSA STANDARD G164, UNO.
6. ALL EXPOSED THREADS SHALL BE CLEAN. PROTECT DURING INSTALLATION.
7. THREADED RODS MUST BE CENTERED IN BASE WITHIN ± 1".
8. FLANGE/TEMPLATE SHALL BE ORIENTED WITH TRUE NORTH AS SHOWN IN FLANGE/TEMPLATE VIEW.
9. FLANGE/TEMPLATE SHALL BE LEVEL TO ENSURE VERTICALITY OF THREADED RODS.
10. REFER TO DRAWING AWS-GN1-A00 FOR ADDITIONAL NOTES.

DO NOT SCALE

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
LINEAR: ± 1/2"
ANGULAR: ± 2.0°

DESIGN: **JEFFERY HOOVER** 1-MAR-2017


APPROVED: **SORIN PINZARIU** 1-MAR-2017

MATERIAL: N/A

FINISH: N/A

SPECIFICATION:

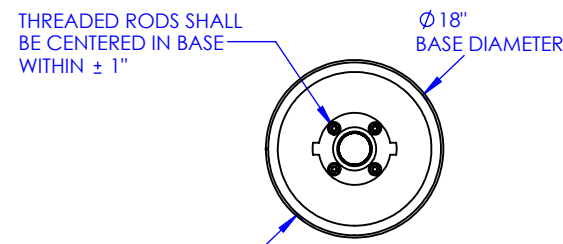
 ALL DIMENSIONS IN INCHES UNLESS OTHERWISE INDICATED

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Meteorological Service of Canada / Service Météorologique du Canada

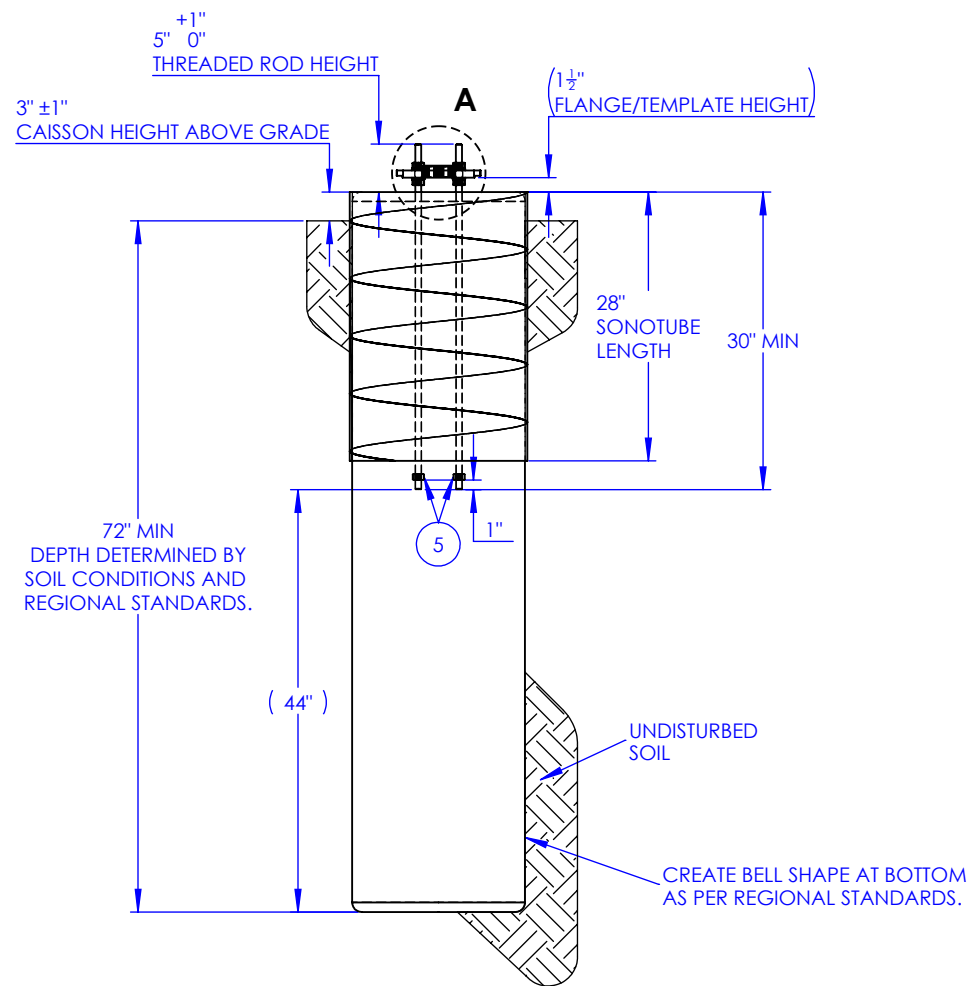
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COMMUNICATION BASE CONCRETE FOUNDATION

DRAWING NUMBER: **AWS-CBC-A00** REVISION: **01**

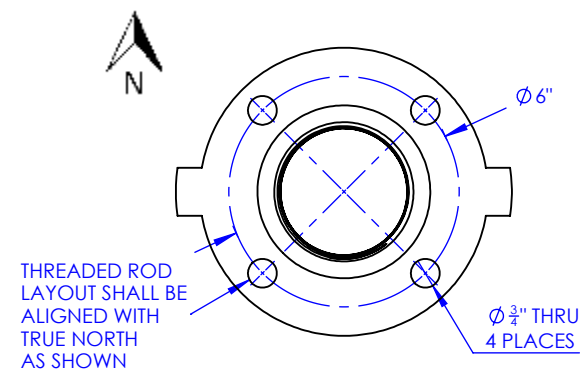
TOP VIEW



SIDE VIEW

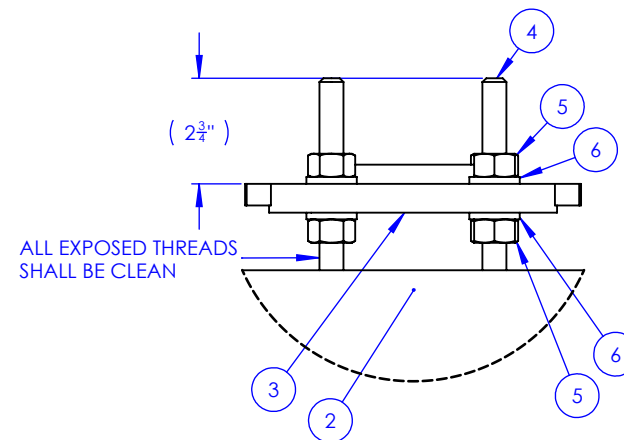


FLANGE/TEMPLATE (ITEMS 3 & 4) (OPTIONAL WOOD MATERIAL)

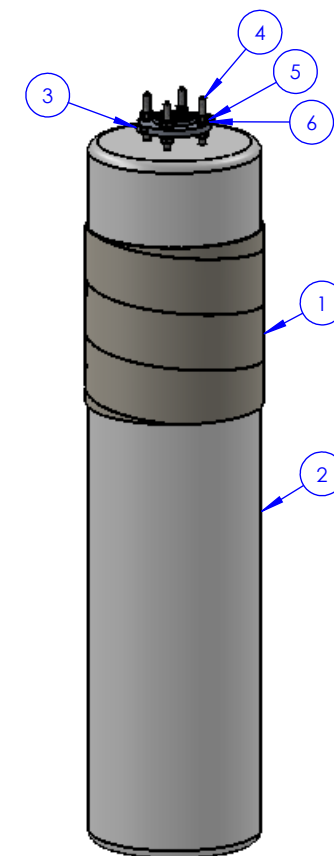


DETAIL A

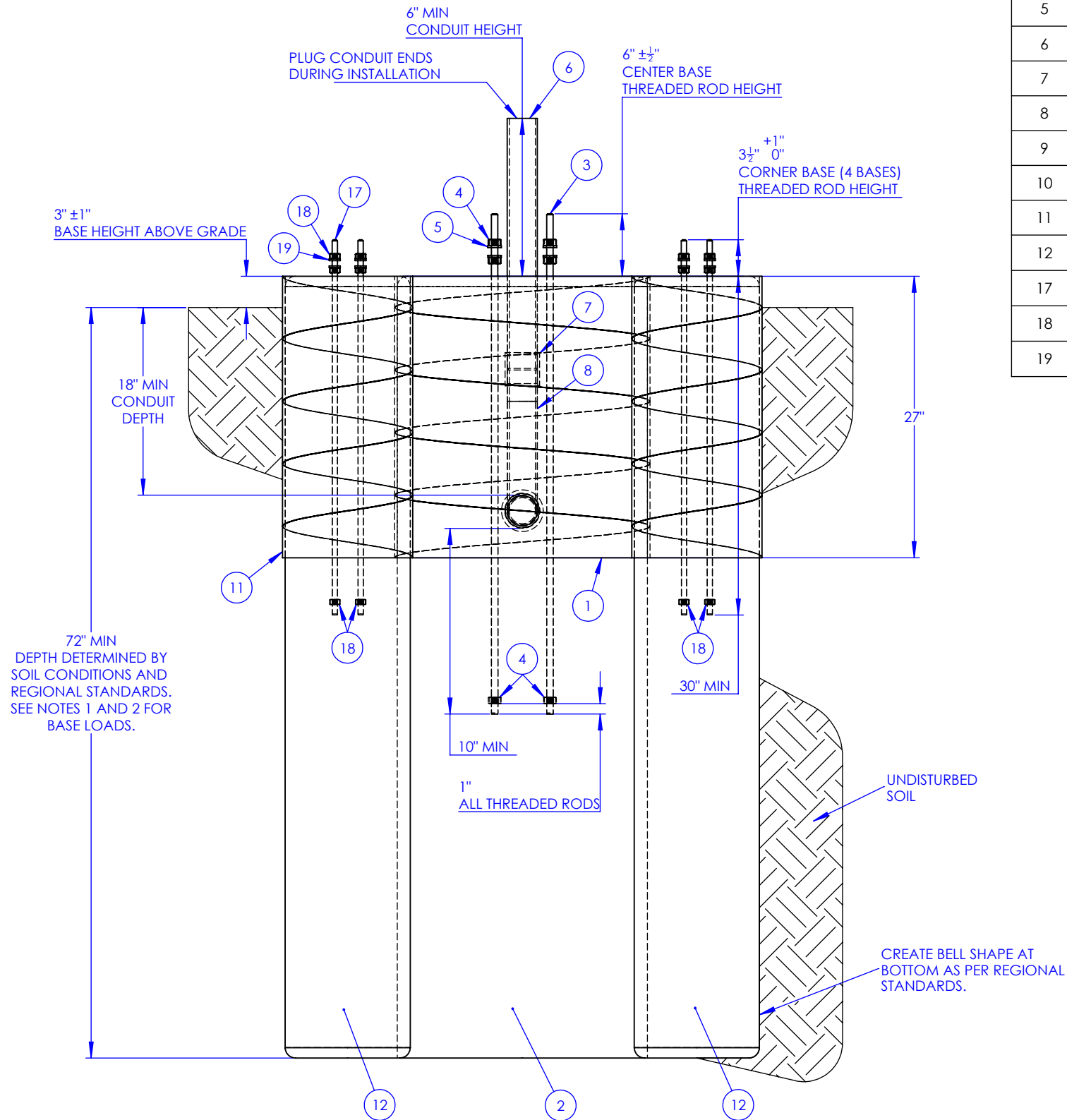
FLANGE/TEMPLATE AND THREADED ROD INSTALLATION



ORTHOGRAPHIC VIEW



SIDE VIEW FINAL INSTALLATION



BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	QUANTITY
1	SONOTUBE, 24" DIA., 32" LENGTH	N/A	1
2	CONCRETE (CENTER FOUNDATION), MIN 25 MPa AT 28 DAYS, SEE NOTES	CONCRETE MIN 25 MPa	1
3	THREADED ROD, 5/8"-11, 48" MIN LENGTH, ASTM A307, CLASS 1A THREAD FIT.	HOT-DIPPED GALVANIZED STEEL	4
4	HEX NUT 5/8"-11, ASTM A563, CLASS 2B THREAD FIT.	HOT DIPPED GALVANIZED	12
5	WASHER 5/8", ASTM F436 (TYPE 1).	HOT-DIPPED GALVANIZED STEEL	8
6	CONDUIT TUBE, 2.5" SCH. 40, 24" LENGTH	RIGID PVC	1
7	CONDUIT COUPLING, 2.5" SCH. 40.	RIGID PVC	2
8	CONDUIT ELBOW, PLAIN ENDS, 2.5" SCH. 40.	RIGID PVC	1
9	CONDUIT TUBE, 2.5" SCH. 40, 4.25" LENGTH	RIGID PVC	1
10	CONDUIT END BELL, 2.5" SCH 40.	RIGID PVC	1
11	SONOTUBE, 12" DIA., 27" LENGTH	N/A	4
12	CONCRETE (OUTER FOUNDATION), MIN 25 MPa AT 28 DAYS, SEE NOTES	CONCRETE, MIN 25 MPa	4
17	THREADED ROD, 1/2"-13, 36" MIN LENGTH, ASTM A307, CLASS 1A THREAD FIT.	HOT-DIPPED GALVANIZED STEEL	16
18	HEX NUT, 1/2"-13, ASTM A563, CLASS 2B THREAD FIT.	HOT-DIPPED GALVANIZED STEEL	48
19	WASHER, 1/2", ASTM F436 (TYPE 1).	HOT-DIPPED GALVANIZED STEEL	32

REVISION HISTORY:

REV	DESCRIPTION	DATE	INITIALS
01	INITIAL RELEASE	1/MAR/17	J.H.

NOTES:

- CENTER BASE DESIGN LOADS:
COMPRESSION: 3.4 kN
HORIZONTAL: 5.4 kN
MOMENT: 7.6 kN-m
- OUTER BASE DESIGN LOADS (EACH BASE):
COMPRESSION: 1.7 kN
HORIZONTAL: 2.8 kN
MOMENT: 4.1 kN-m
- CONCRETE VOLUME IS MINIMUM 1.5 m³ FOR ALL BASES (0.75 m³ CENTER BASE, 0.75 m³ OUTER BASES).
- ALL CONCRETE TO BE MINIMUM 25 MPa AT 28 DAYS CLASS 'C-1' MIX WITH TYPE 10 CEMENT AND 5 TO 8 % AIR CONTENTS.
- ENSURE CONCRETE SURFACE IS TROWEL FINISHED (SLIGHTLY DOMED) TO ENCOURAGE WATER RUNOFF.
- ALL EXPOSED THREADS SHALL BE CLEAN. PROTECT DURING INSTALLATION.
- USE AWS-PBJ-A01 JIG FOR LOCATING THREADED RODS IN BASES.
- THREADED RODS (ITEMS 3 AND 17) SHALL BE CENTERED IN SONOTUBES WITHIN ± 2".
- REFER TO DRAWING AWS-GN1-A00 FOR ADDITIONAL NOTES.

DO NOT SCALE

PROPRIETARY AND CONFIDENTIAL

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

LINEAR: ± 1/2"
ANGULAR: ± 2.0°

DESIGN: **JEFFERY HOOVER** 1-MAR-2017

APPROVED: **SORIN PINZARIU** 1-MAR-2017

MATERIAL: N/A

FINISH: N/A

SPECIFICATION:



ALL DIMENSIONS IN INCHES UNLESS OTHERWISE INDICATED

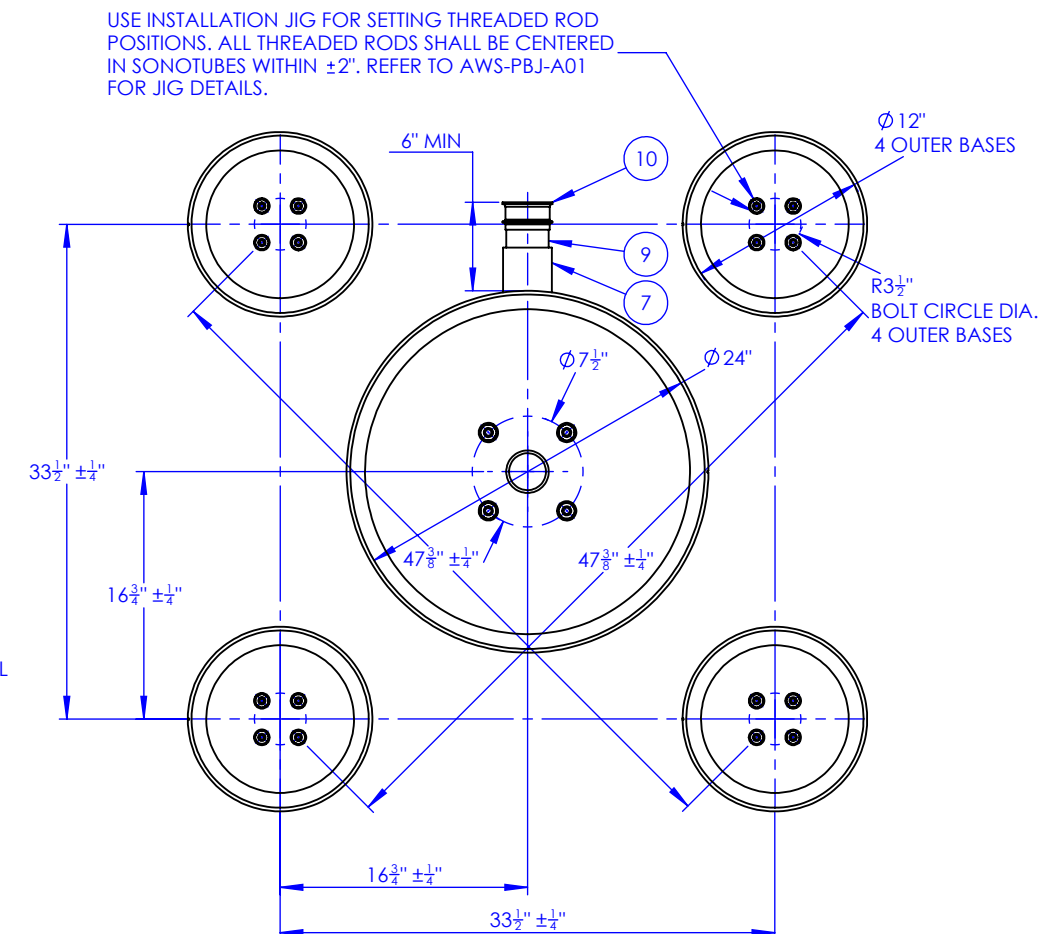


Meteorological Service of Canada
Service Météorologique du Canada

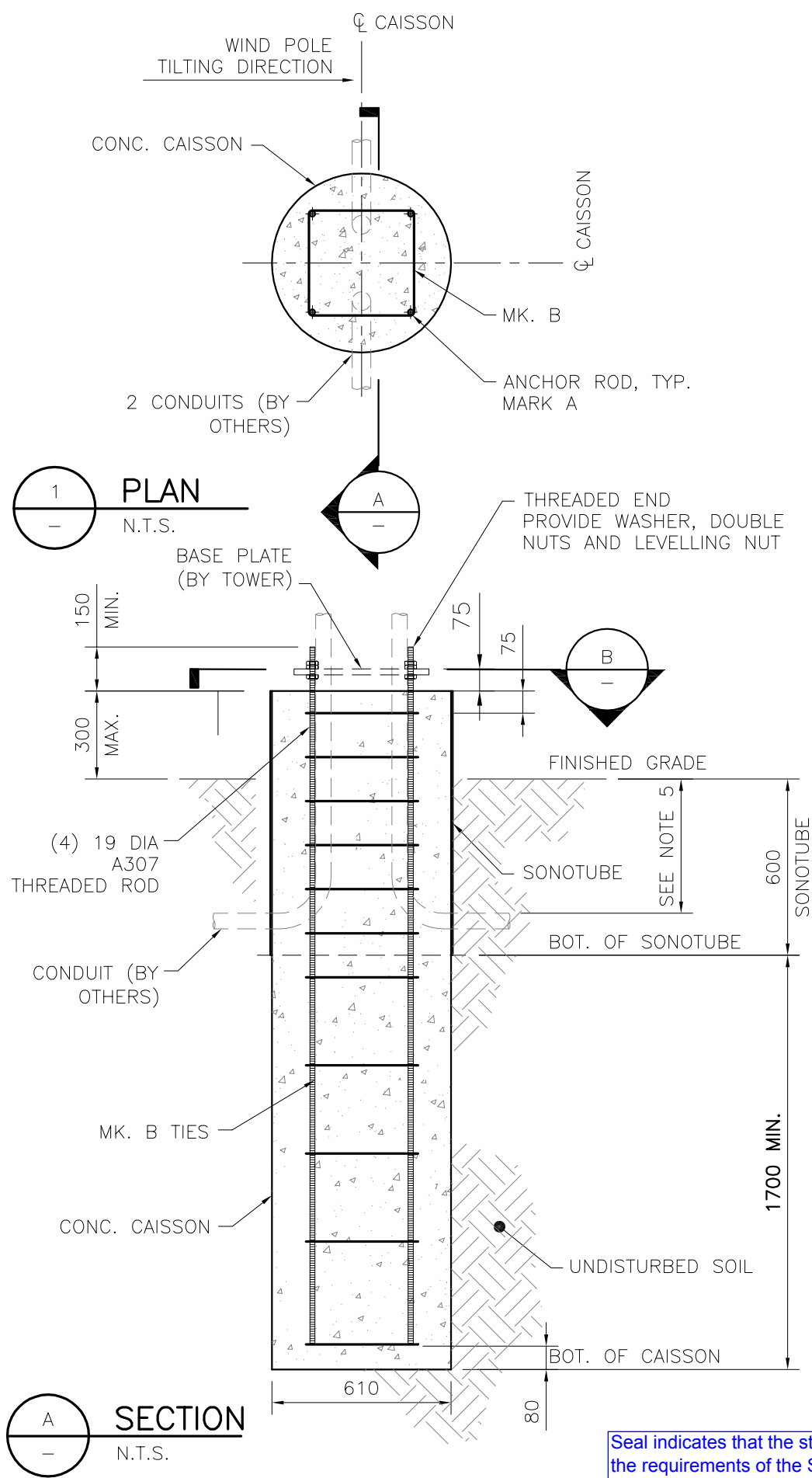
TITLE:
**PLUVIO2 PRECIPITATION
BASE FOUNDATION**

DRAWING NUMBER: **AWS-PBC-B00** REVISION: **01**

TOP VIEW FINAL INSTALLATION

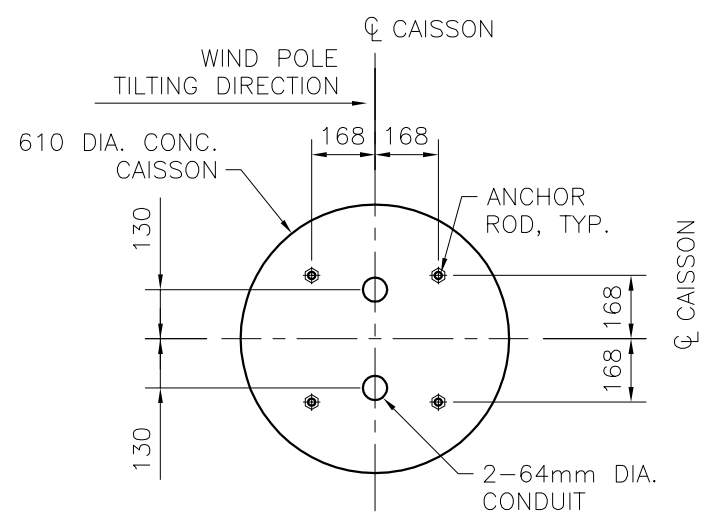


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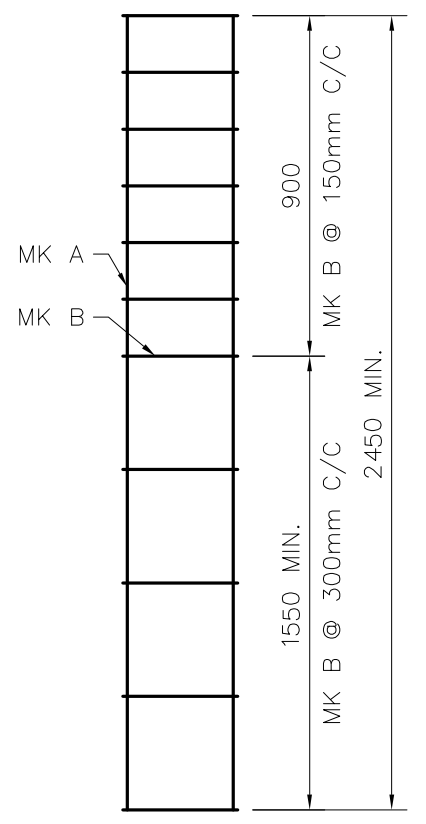


1 PLAN
N.T.S.

A SECTION
N.T.S.



B SECTION
N.T.S.



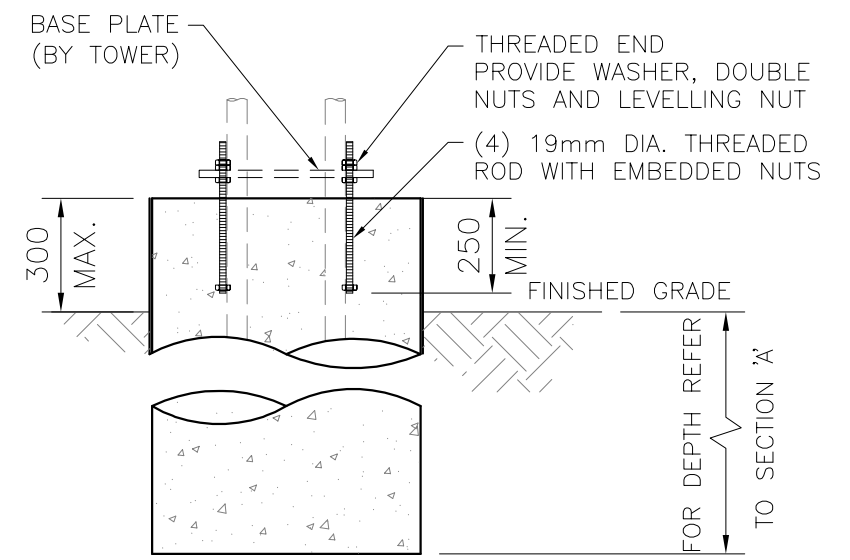
2 BAR SCHEDULE
N.T.S.

NOTES:

- REFER TO DRAWING GE-G-G2 FOR GENERAL STRUCTURAL NOTES.
- REFER TO DRAWING GE-G-G4 FOR LEGEND AND ABBREVIATIONS.
- CONCRETE CAISSON HAS BEEN DESIGNED FOR 150 kPA BEARING PRESSURE.
- REFER TO ENVIRONMENT CANADA DRAWING "TILTABLE-BOLTED BASE", WORK NO. 4114, DWG. NO. B3011-43 FOR POLE BOLTED BASE DETAIL.
- REFER TO ENVIRONMENT CANADA SPECIFICATION FOR PLACEMENT OF PVC PIPES.

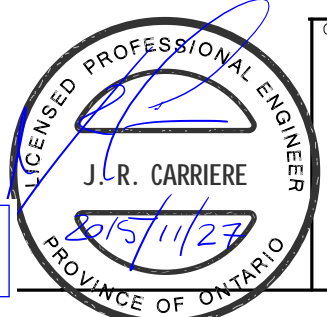
REINFORCEMENT CHART

MK.	QTY	SIZE	SHAPE
A	4	19 DIA A307 THREADED ROD	
B	VARIABLES	10M	



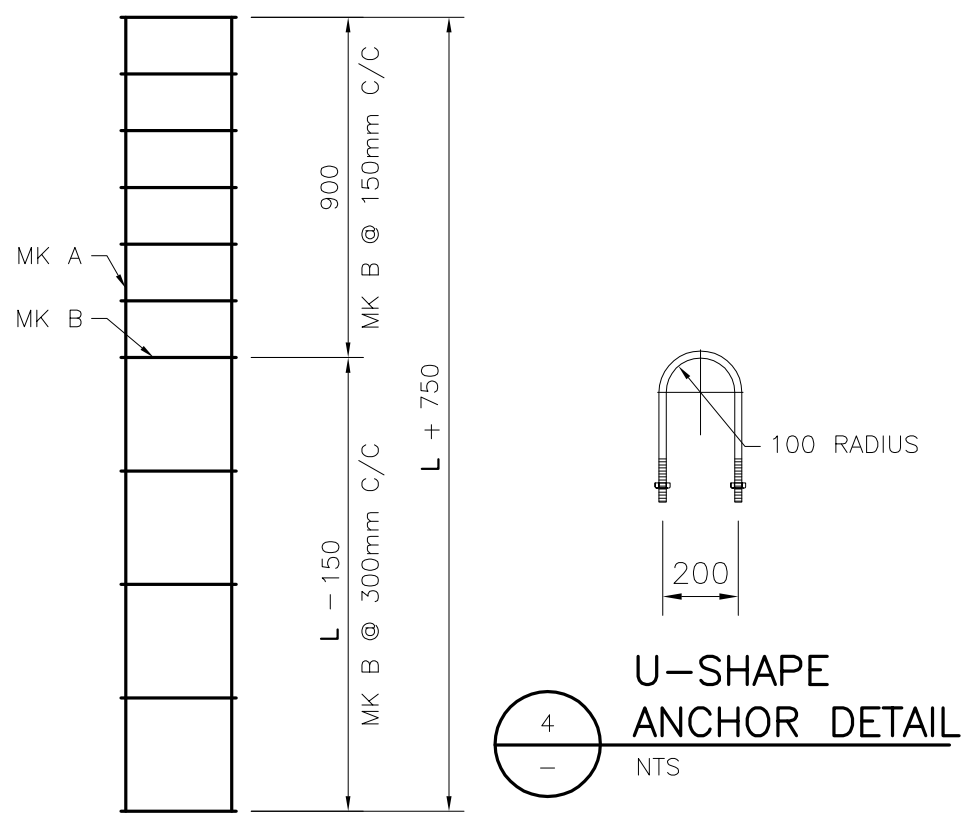
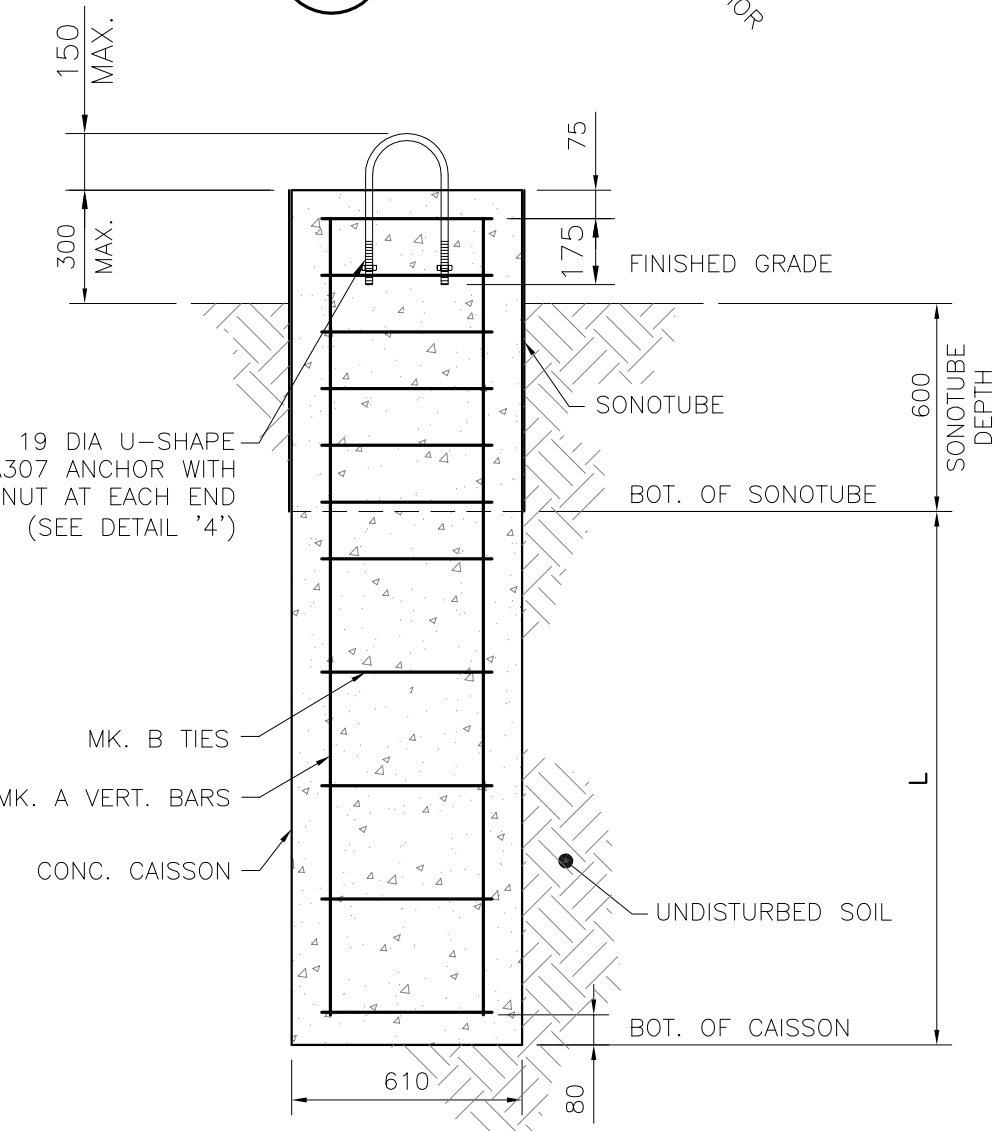
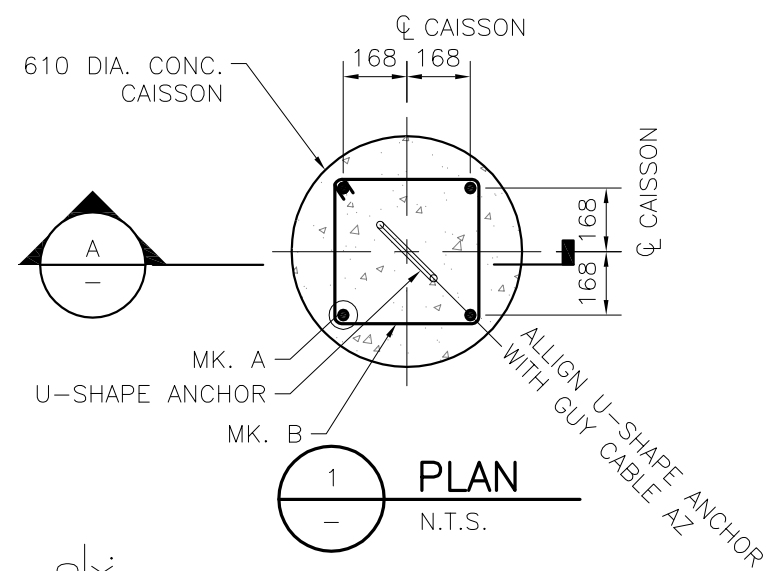
3 ALTERNATIVE-PLAIN CONC. OPTION
N.T.S.

Seal indicates that the standard design meets the requirements of the Standards specified and for soil/rock parameter noted on the drawings



Mark	Description	Date	By
B	ISSUED FOR CONSTRUCTION	NOV.26/15	JRC
A	CLIENT REVIEW	OCT.06/15	JRC
<small>DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.</small>			
Project No.:	Date:		
1150485	SEP.2015	<small>Suite 600 - 235 Yorkland Blvd. Toronto, Ontario M2J 1T1 Tel: 416 499 3110 Fax: 416 499 9658</small>	
Drawn: F.S.A.	Design: T.H.	Checked: J.R.C.	CAD Dwg. File: 1150485_GT.dwg
ENVIRONMENT CANADA TYPICAL FOUNDATION DESIGN STANDARD 10M WIND TOWER, GUYED CAISSON FOUNDATION, SHT. 1 OF 2			Drawing No.: GT-C-S1

DRAWING NAME: \\lor01fpmh.local\data1\shared\Proj\1150485\9. Drawings & GIS\3. Issued for Construction\1150485_GT.dwg (C-S2)
 PLOT DATE: 2015/11/26 9:12:21 AM



NOTES:

- REFER TO DRAWING GE-G-G2 FOR GENERAL STRUCTURAL NOTES.
- REFER TO DRAWING GE-G-G3 FOR HELICAL ANCHOR/MICROPILES NOTES.
- REFER TO DRAWING GE-G-G4 FOR LEGEND AND ABBREVIATIONS.
- CONCRETE CAISSON HAS BEEN DESIGNED FOR THE FOLLOWING SOIL CONDITION AS OUTLINED IN TABLE 1.
- REFER TO DRAWING GE-G-G4 FOR LEGEND AND ABBREVIATIONS.
- REFER TO ENVIRONMENT CANADA DRAWING "TILTABLE-BOLTED BASE", WORK NO. 4114, DWG. NO. B3011-43 FOR POLE BOLTED BASE DETAIL.

TABLE 1

COHESSIONLESS SOIL RANKING PASSIVE PRESSURE (Kp) OF 1.8 (ULTIMATE SKIN FRICTION OF AT LEAST 6 kPa)	
CONDITION	MIN. CAISSON DEPTH "L" (mm)
DRY	2100
SUBMERGED	3100

COHESIVE SOILS (Cu OF 12 kPa OR BETTER; SKIN FRICTION OF 6 kPa OR BETTER)	
CONDITION	MIN. CAISSON DEPTH "L" (mm)
DRY	2100
SUBMERGED	3100

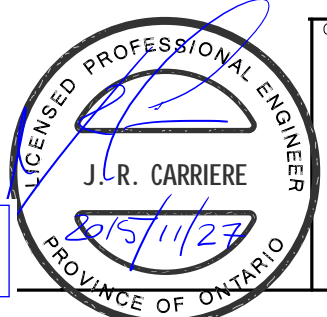
REINFORCEMENT CHART

MK.	QTY	SIZE	SHAPE
A	4	20M	—
B	VARIES	10M	⊔

Mark	Description	Date	By
B	ISSUED FOR CONSTRUCTION	NOV.26/15	JRC
A	CLIENT REVIEW	OCT.06/15	JRC

Project No.:	Date:		Suite 600 - 235 Yorkland Blvd. Toronto, Ontario M2J 1T1 Tel: 416 499 3110 Fax: 416 499 9658
1150485	SEP.2015		
Drawn: F.S.A.	Design: T.H.	Checked.: J.R.C.	CAD Dwg. File: 1150485_GT.dwg
ENVIRONMENT CANADA TYPICAL FOUNDATION DESIGN STANDARD 10M WIND TOWER, GUY ANCHOR CAISSON FOUNDATION, SHT. 2 OF 2			Drawing No.: GT-C-S2

Seal indicates that the standard design meets the requirements of the Standards specified and for soil/rock parameter noted on the drawings





Jenpeg Airport

Proposed Weather Station Location



Google Earth

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Image © 2022 CNES / Airbus

1 km

