



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**

**Philippine Atmospheric, Geophysical and Astronomical Services  
Administration (PAGASA)**

**PAGASA BIDS AND AWARDS COMMITTEE (PAGASA-BAC)**

**SUPPLEMENTAL / BID BULLETIN No. 2019-038-02**

21 October 2019

**Subject: "Supply, Delivery, Installation, Commissioning, Testing and Training of Hydro-Meteorological Rainfall and Water Level Telemetry Monitoring System Equipment for the Aklan River Flood Forecasting and Warning System;" (Reference: PR No. 2019-04-0265 / IB No. 2019-038; ABC Php16,302,480.00)**

This Bid Bulletin is being issued to clarify, amend and/or modify certain provisions under the Terms of Reference (TOR) of the instant Project; and, to answer the written requests for clarification submitted to the BAC by the prospective bidders, to wit:

**I. Request for Clarification from MASSIVE INTEGRATED TECHNOLOGY, INC.**

QUERY	REPLY
1. The TOR specified a rain gauge with an orifice area of 314cm <sup>2</sup> with a resolution of 0.5mm.  Would you consider a rain gauge with an orifice area of 200cm <sup>2</sup> with 0.2mm resolution instead of what was stated in the TOR? WMO recommends a rain gauge with an orifice area of 200 to 500 sq.cm. (WMO No. 8)	The specification under the TOR, <i>i.e.</i> ,  Inlet of collector: <b>20cm dia.</b> Orifice: <b>314cm<sup>2</sup></b> Resolution: <b>0.5mm</b>  must be <b>maintained</b> . This is in consideration of our hydro-meteorological nature and the closest to PAGASA's standard rain gauges.
2. We may require 2 monitoring/repeater stations based from the calculated communication link to optimize the network.  Can this be considered and integrated to the TOR and its cost implication?	The minimum technical requirements under the TOR shall be maintained; however, prospective bidders are not precluded from offering an alternative, higher and better solution thereto; <i>provided, that</i> , any additional cost implication of the same shall be borne by the prospective bidder concerned.

**II. Request for Clarification from SUPERSERVE CORPORATION**

QUERY	REPLY
3. We would like to request for a two week bid extension period in order to give us ample time to prepare the path propagation profiles together with the calculations and allow us to conduct a site inspection and validation of the coordinates provided by PAGASA. In line with this inspection, the presence of a PAGASA representative is highly appreciated in order to come up with a responsive bid proposal.	Under <b>SBB No. 2019-038-01</b> , dated 09 October 2019,  The schedule of <b>Submission and Opening of Bids</b> for the above-entitled Project has been amended or re-scheduled on <b>28 October 2019</b> , same time.
4. Will the payment terms under GCC 11 Advance Payment and Terms of payment apply in this	Unless otherwise revised, amended and/or in the Special Conditions of the Contract (SCC), the Terms

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project? Say 15% down payment, 65% upon delivery of goods and 20% upon installation, testing and commissioning of the system.	and Conditions of Payment stipulated under GCC Clauses 10 & 12 shall be applied.
<p>5. Under the Terms of Reference item C.1 Bidders qualifications states that "For this purpose, the contract that is similar in nature shall be defined as <b><i>those involving supply, delivery, installation, testing and commissioning of various hydro-meteorological and water level telemetry monitoring equipment</i></b> with reputable firms within the Philippines or abroad;"</p> <p><i>Will the BAC allow a similar contract wherein the project scope covers supply, delivery and training for the usage of hydro-meteorological rainfall and water level telemetry system equipment supplied to a government weather bureau?</i></p>	<p>As defined under Item <b>C.1 of the TOR, a contract that is similar in nature to the Project to be bid are those <u>"involving supply, delivery, installation, testing and commissioning of various hydro-meteorological and water level telemetry monitoring equipment with reputable firms within the Philippines or abroad."</u></b></p> <p>The End-user Unit considers this criterion as necessary and crucial in determining the prospective bidder's experience and capability to undertake the implementation of the instant Project in accordance with its specific requirements.</p>
6. Under the Terms of Reference item F Project Coverage 1.1 Installation Sites, will PAGASA secure the necessary security permits for entry and the right of way for each area?	Yes. Negotiations with the concerned LGUs regarding the acquisition of lots identified as installation sites is on-going.
7. Under the terms of reference item G Schedule of Requirements item C summary of deliverable equipment specifies that a "galvanized monopole antenna mast with steps, guy wires, and turnbuckles, brackets and lightning protection," may we request for a typical drawing of the prescribed mast.	<p>The typical design for the monopole antenna mast is provided herewith as <b>Annex "A."</b></p> <p>The height of the antenna mast may vary based on the actual requirement of each site; however, for purposes of this bid and uniformity in the offer the height indicated in the drawing shall be followed.</p>
8. Under the terms of reference item H Technical Specifications item will under the Rain Gauge (Tipping Bucket Type), will PAGASA allow an orifice size of 100 cm <sup>2</sup>	Please see <b>Reply to Query No. 1</b> of this SBB.
9. Under the terms of reference item H Technical Specifications item 12 staff gauge, please provide a typical drawing for this item	The typical drawing for the Staff Gauge is hereto attached as <b>Annex "B"</b> .
10. Under the terms of reference item H Technical Specifications item 13 security fence and signage, please provide a typical drawing for this item;	The typical drawing for the security fence and sample signage are attached herewith as <b>Annexes "C" and "D"</b> , respectively.
11. Under the terms of reference item I Miscellaneous requirements item B Onsite Training, kindly clarify if all the ten (10) PAGASA personnel shall be coming from Manila.	<p>The ten (10) PAGASA personnel who will participate in the Onsite Training activity is as follows:</p> <p>5 – from the PAGASA Central Office; and 5 – from the Field Stations</p>
12. Under the terms of reference item J Contract period and place of delivery states that a "period of 160 calendar days commencing from the date of receipt by the winning bidder of the Notice to Proceed," We would like to request that the period be extended to 240 days to	<p>Item J. Contract period, TOR is hereby amended:</p> <p><b>From: 160 calendar days</b> <b>To: 240 calendar days</b></p>

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because the manufacturing period covers 120 days inclusive of Factory acceptance training, the shipment period of 60 days where the product we offer comes from Europe and the remaining 60 days to cover the local installation and training activities.	
13. Under section 7-Schedule of Requirements, we would like to request for the item description and quantity be indicated on the prescribed form.	The description and quantity of the goods/items and other requirements are already indicated in the TOR.

This shall form an integral part of the Bid Documents.

For information and guidance of all participating bidders.

***Sgd.***

**ENGR. CATALINO L. DAVIS**

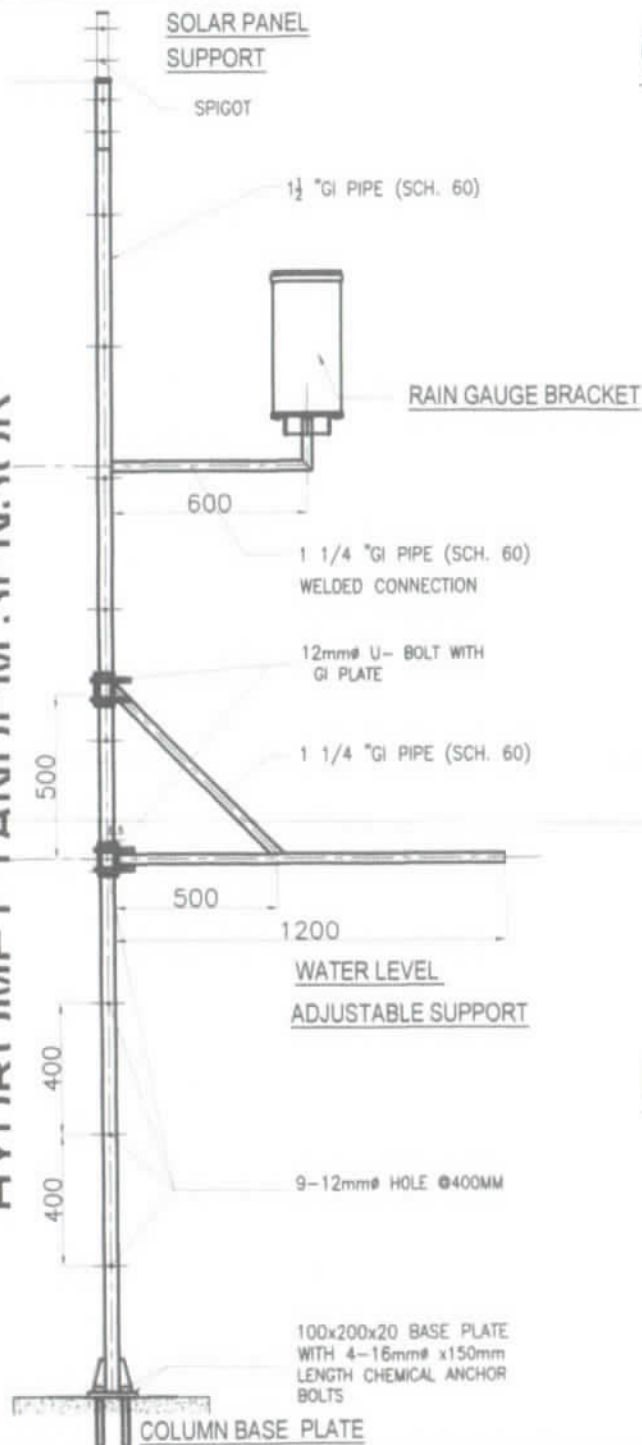
*Chairperson, PAGASA-BAC*

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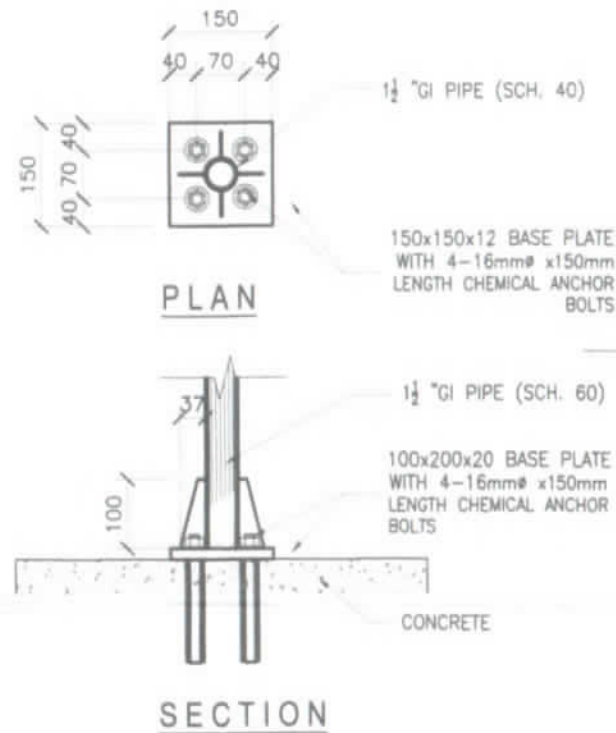
Science Garden Compound, BIR Road, Brgy. Central, Quezon City,  
Metro Manila, Philippines 1100  
Postal Address: P.O. Box 3278 Manila

Tel. Nos. (632) 929 48 65; (632) 434 90 40  
Fax: (632) 929 48 65  
Website: <http://bagong.pagasa.dost.gov.ph>

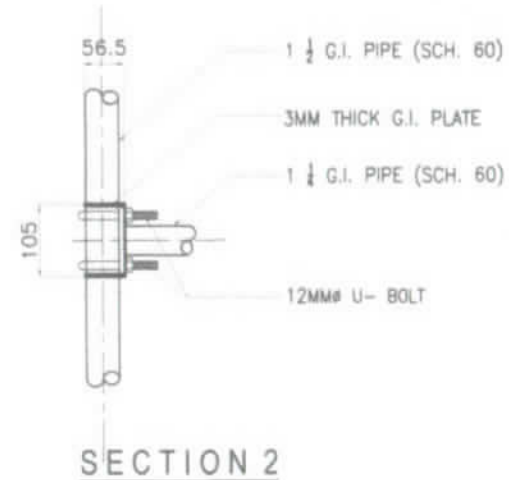
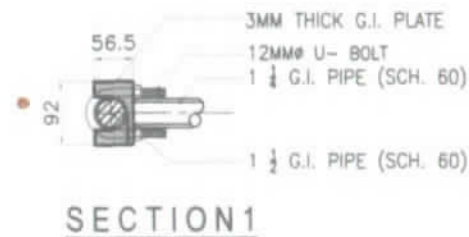
## HYDROMET TANDEM SENSOR



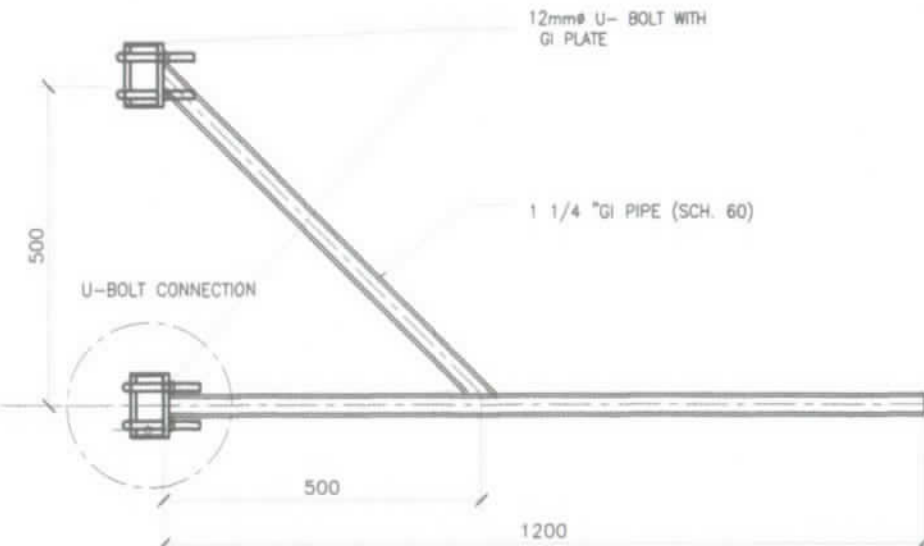
## COLUMN BASE PLATE



## U-BOLT CONNECTION



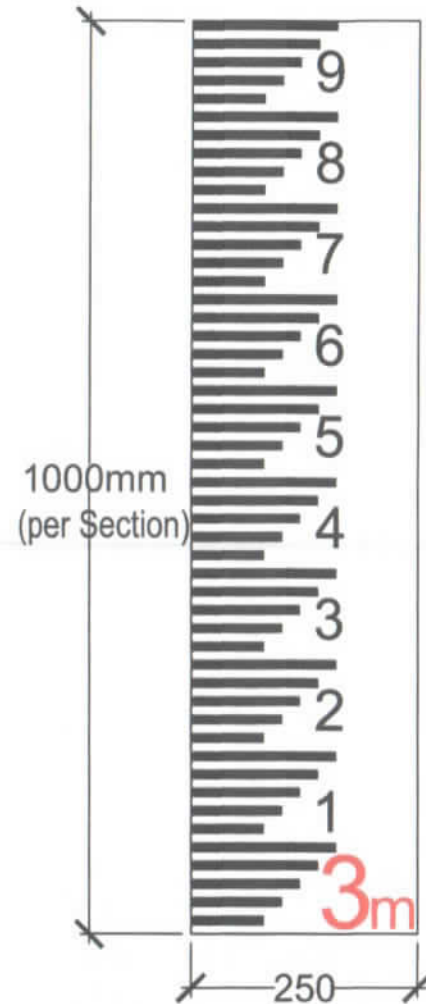
## ADJUSTABLE SUPPORT



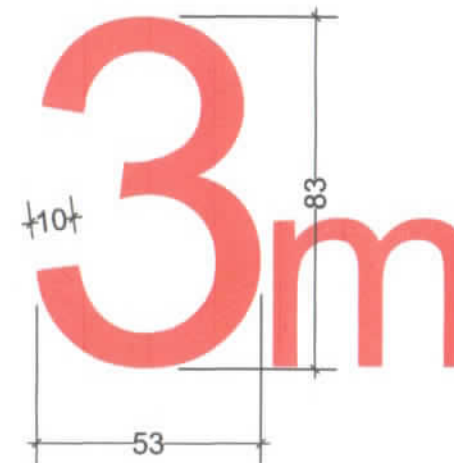
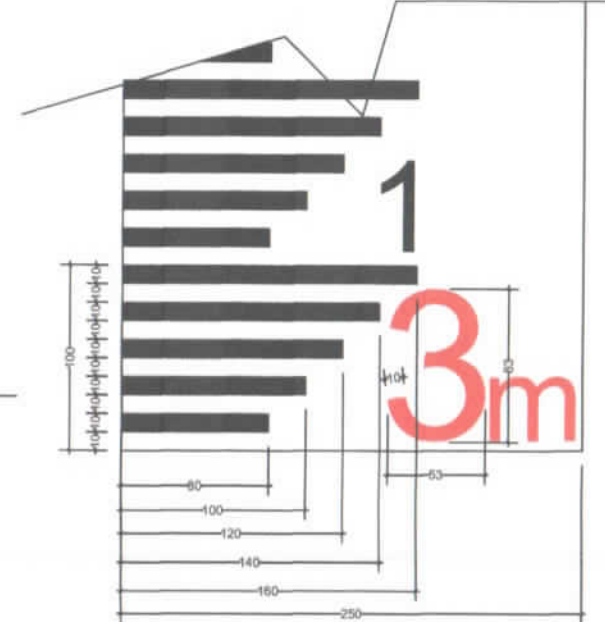
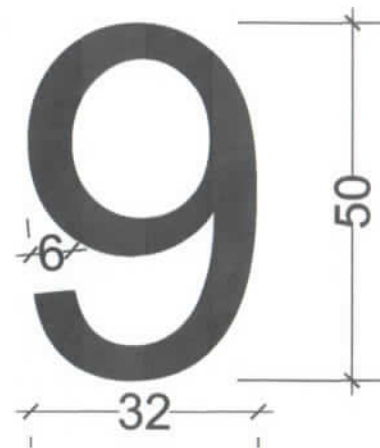
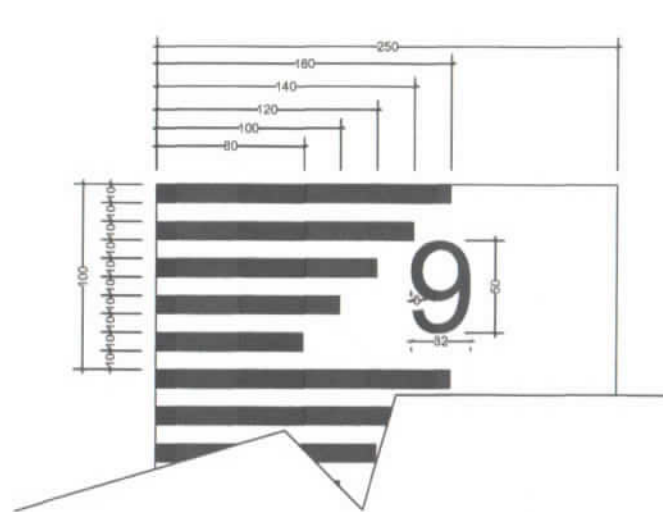
PROJ	SHEET NO.	DRAWN BY	CHECKED BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVAL
INSHYDRO-METEOROLOGICAL EQU	A/3	LALAIN D. BLANCO	ROY A. BADILLA	JESSIE B. ARCE	EDWIN F. MANRESA	CATALINO L. DAVIS	DR. VICENTE B. MALANO

NOTE:

All dimensions are in millimeters.

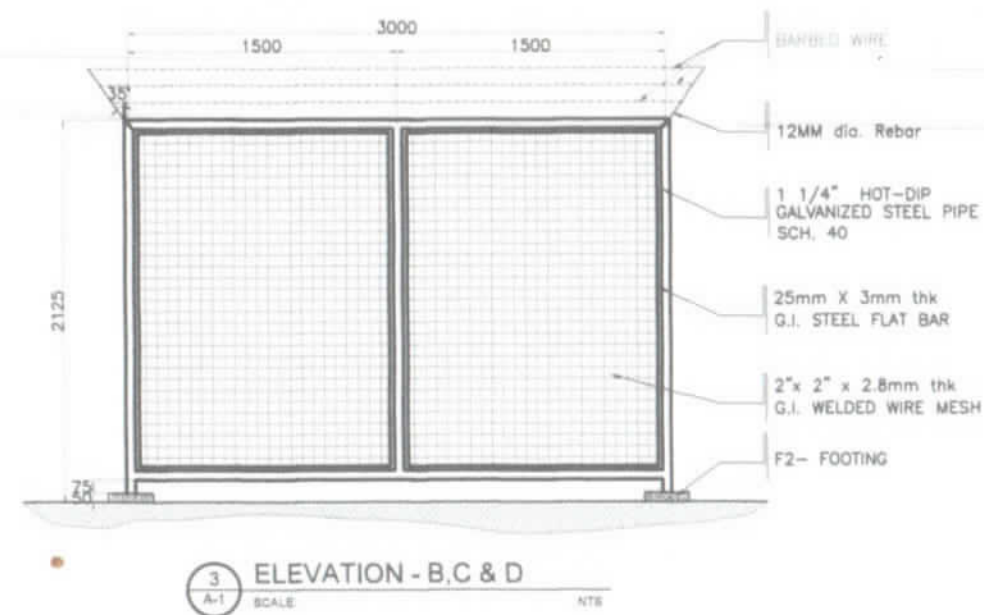
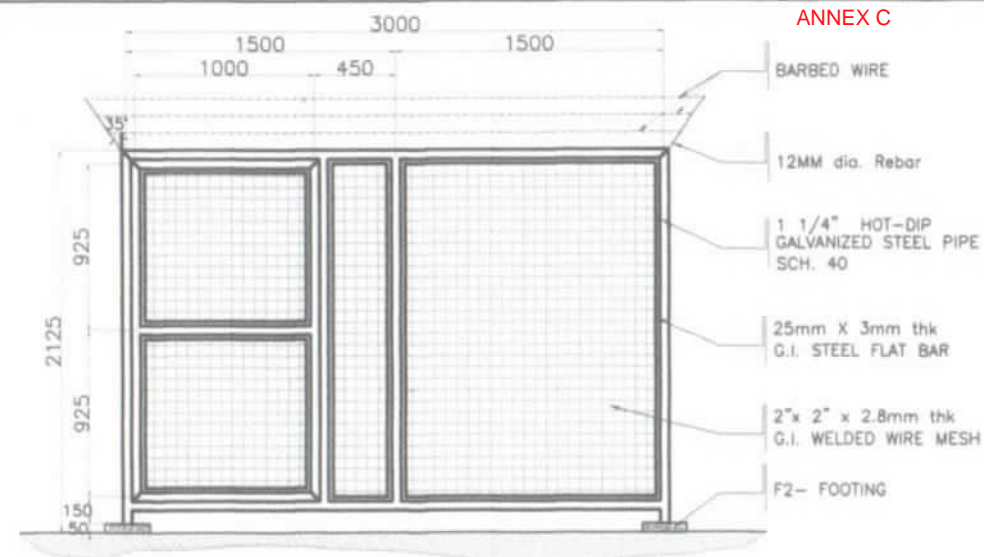
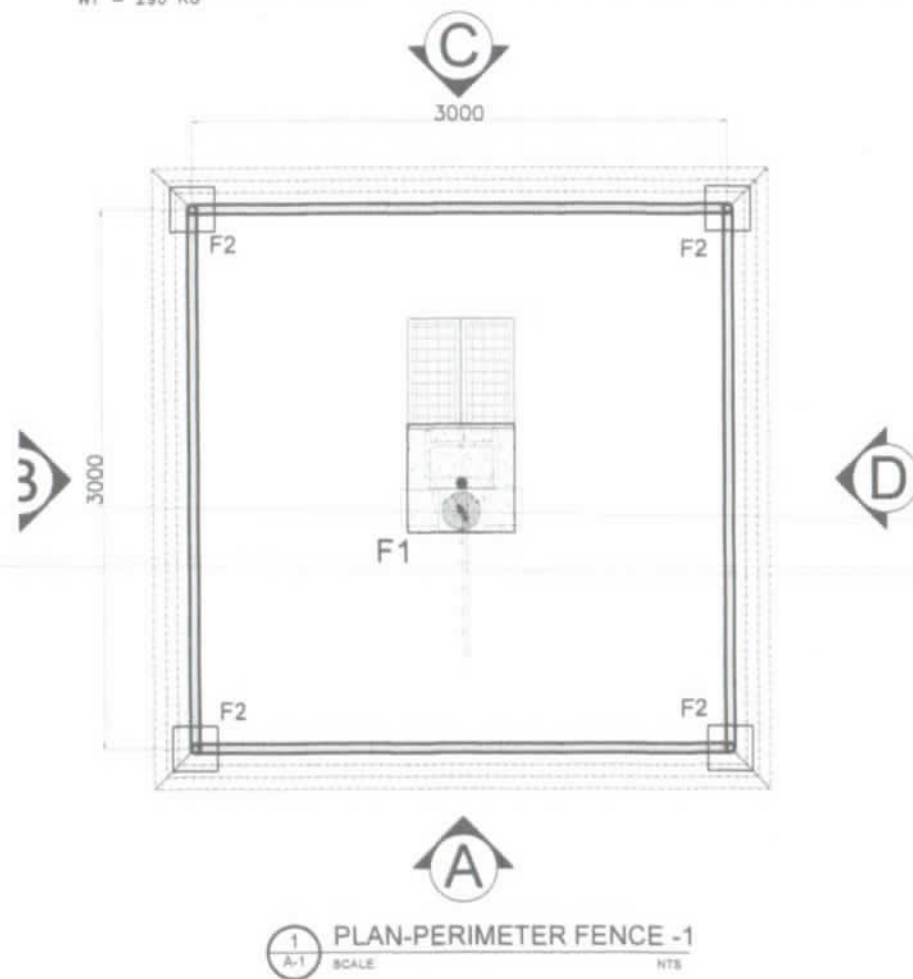


STAFF GAUGE



# AUTOMATIC RAIN GAUGE PERIMETER FENCE

WT = 296 KG

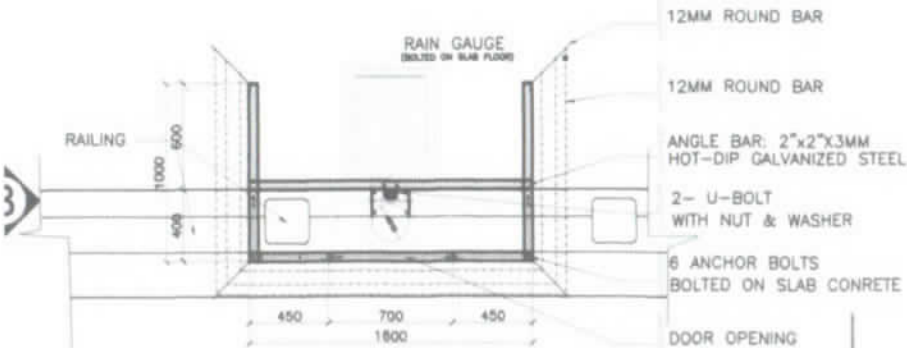


TITLE	SHEET NO.	DRAWN BY:	CHECKED BY	VERIFIED BY:	NOTED BY:	RECOMMENDING APPROVAL	APPROVAL:
ATION OF HYDRO-METEOROLOGICAL ENT	A/1	LALAIN D. BLANCO JO	ROY A. BADILLA CHIEF, HMO	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA for AES	DR. VICENTE B. MALANO ADMINISTRATOR
N							

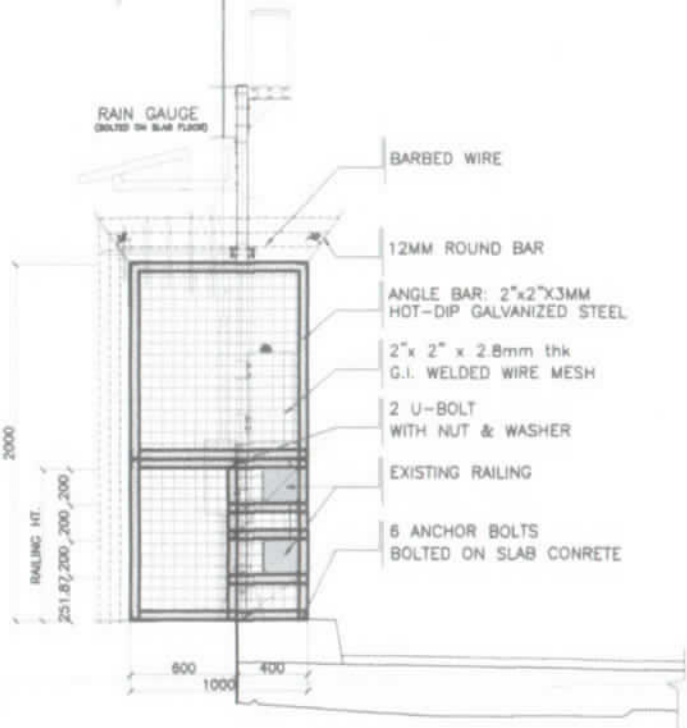


PERIMETER FENCE

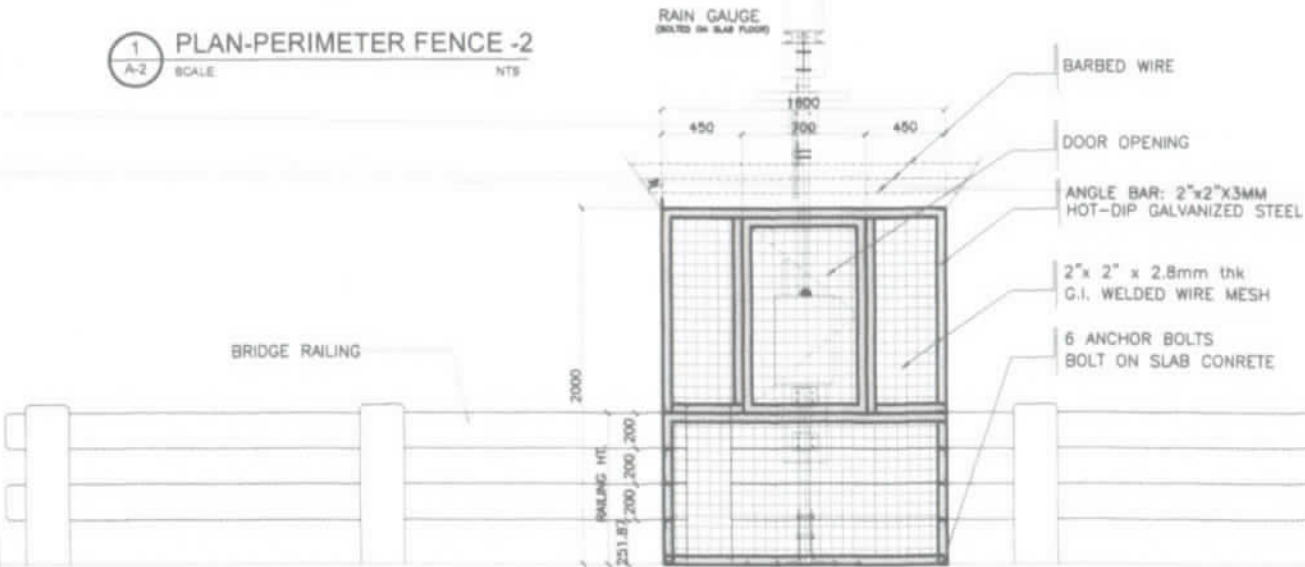
ANNEX C



1 PLAN-PERIMETER FENCE -2  
A-2 SCALE NTS



2 ELEVATION - B  
A-2 SCALE NTS



3 ELEVATION - A  
A-2 SCALE NTS

ECT TITLE	SHEET NO.	DRAWN BY	CHECKED BY	VERIFIED BY	NOTED BY	RECOMMENDING APPROVAL	APPROVAL
LLATION OF HYDRO-METEOROLOGICAL MENT	A/2	LALAIN D. BLANCO JO	ROY A. BADILLA CHIEF, HMO	JESSIE B. ARCE CHIEF, MEIES, ETSD	EDWIN F. MANRESA CHIEF, ETSD	CATALINO L. DAVIS DA REP AES	DR. VICENTE B. MALANO ADMINISTRATOR
ION							



Republic of the Philippines  
Department of Science and Technology



PHILIPPINE ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL SERVICES ADMINISTRATION (PAGASA)

# MANDALUYONG RAINFALL GAUGING STATION

ITO AY PAG-AARI NG PAMAHALAAN AT GINAGAMIT SA PAGBIBIGAY  
BABALA SA BAHA. INGATAN PO NATIN ANG MGA ITO.

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