Annex “A”

“Supply, Delivery, Installation, Testing, Training and Commissioning of Aviation Weather Observation System for Tacloban and General Santos International Airport Project”

Tacloban and General Santos Airport
AWOS Civil Works Design

- Tacloban Airport, Daniel Z. Romualdez Airport, Airport Road, Tacloban City, Leyte
- General Santos International Airport (Tambler), General Santos City, South Cotabato

Meteorological Equipment and Telecommunication Technical Services Section
Engineering and Technical Services Division

TACLOBAN AIRPORT

RWY Length : 2000m

TACLOBAN AIRPORT

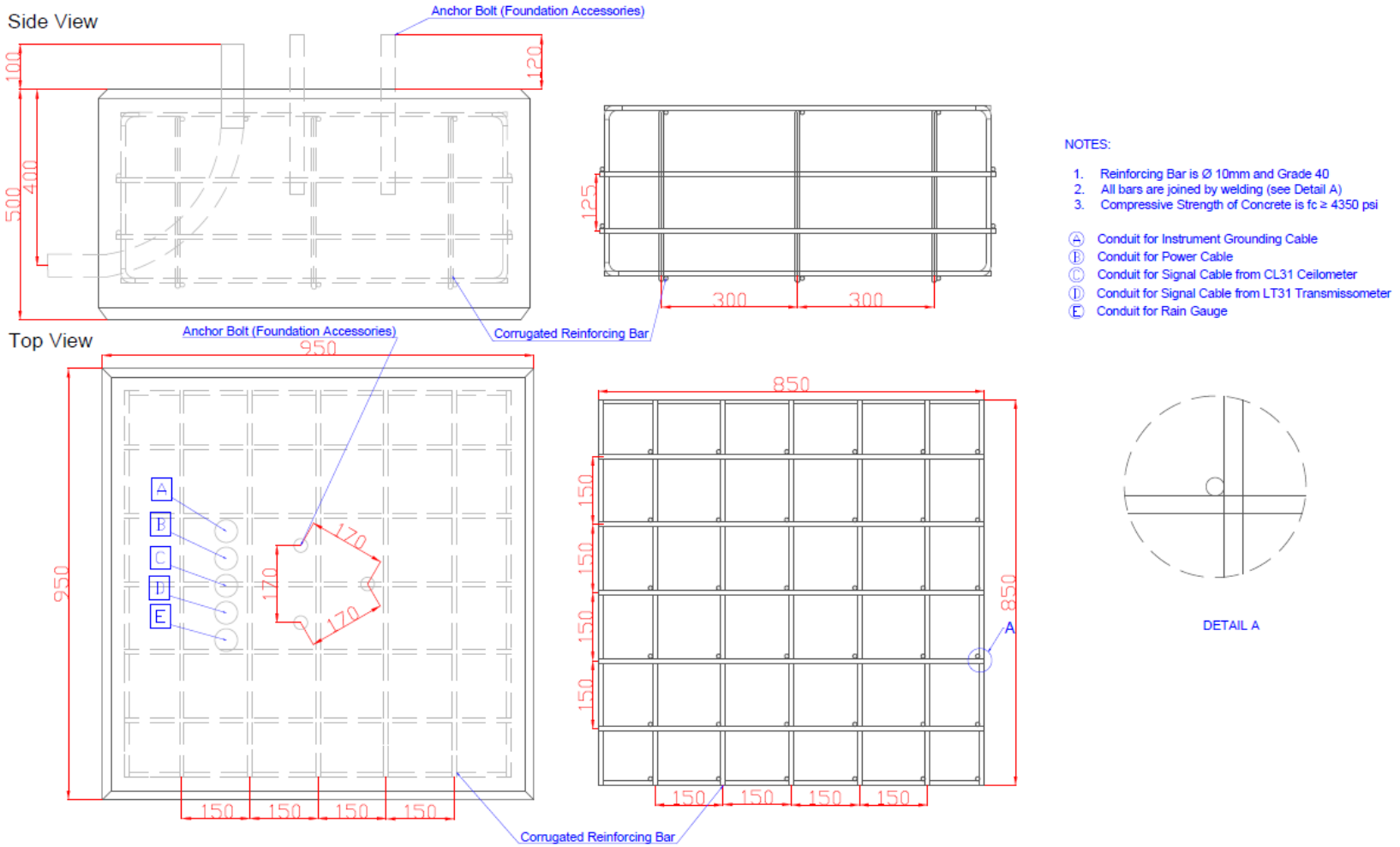
GENERAL SANTOS (TAMBLER) AIRPORT

RWY Length : 3000m

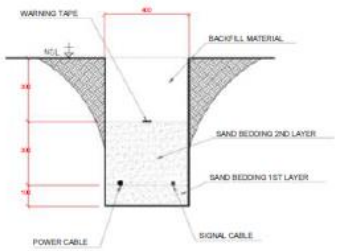
REPUBLIC OF THE PHILIPPINES
Department of Science and Technology
Philippine Atmospheric, Geophysical and
Astronomical Services Administration (PAGASA)

AVIATION WEATHER OBSERVATION SYSTEM (AWOS) PROJECT

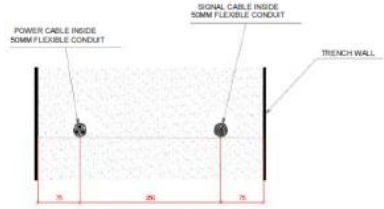
GENERAL SANTOS (TAMBLER) AIRPORT



AWS Foundation Work Design – Tacloban and General Santos



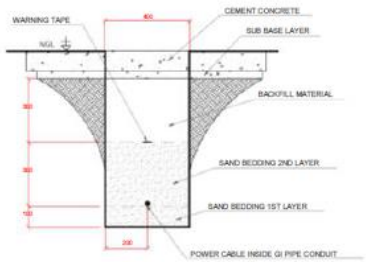
1 RPLL 21 CABLE TRENCH CROSS SECTION
SCALE1:10



NOTE:

1. DISTANCE BETWEEN POWER CABLE AND SIGNAL CABLE IS APPROXIMATELY 250MM
2. FLEXIBLE CONDUIT SIZE IS APPROXIMATELY 50MM
3. GI PIPE CONDUIT SIZE IS APPROXIMATELY 55MM

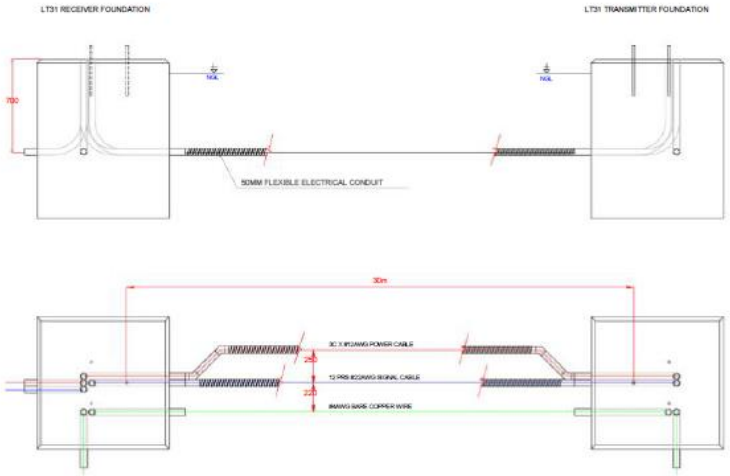
2 RPLL 21 CABLE SEPARATION INSIDE TRENCH
SCALENTS



4 RPLL 21 CABLE TRENCH CROSS SECTION FOR ROAD CROSSING
SCALE1:10

NOTES:

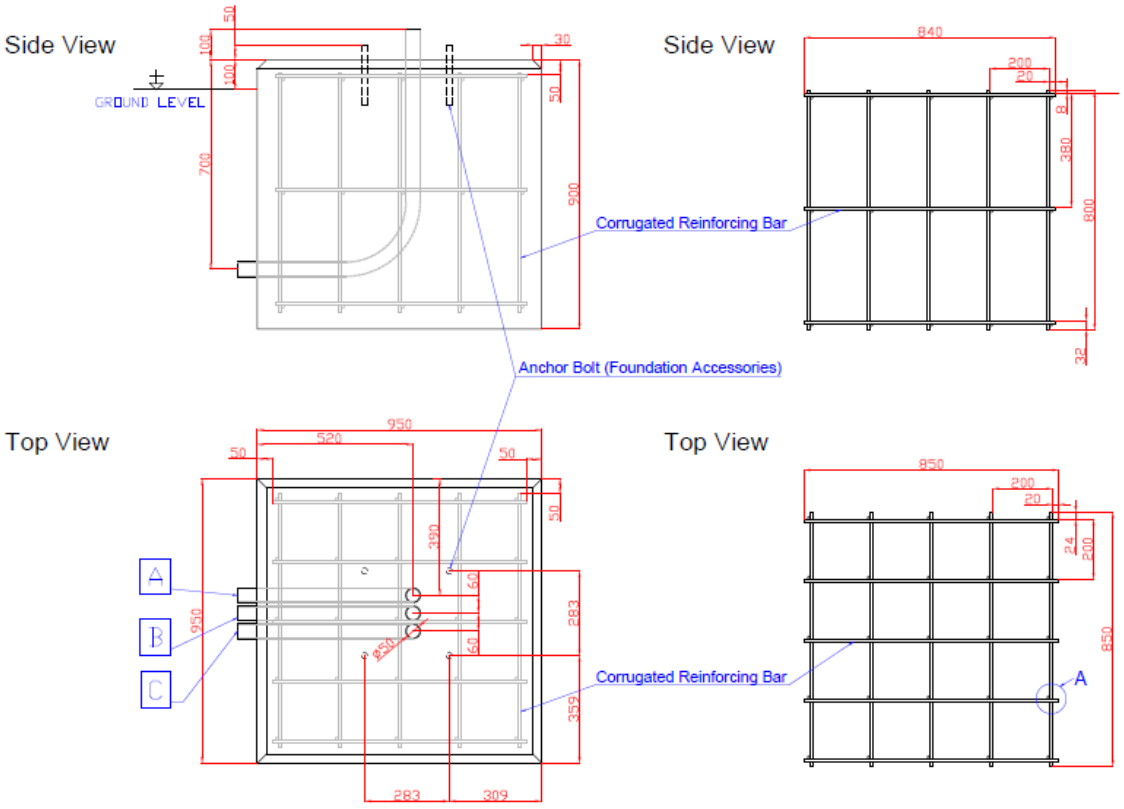
1. THE DRAWINGS MUST ONLY BE USED FOR THE PURPOSE INTENDED.
2. ALL UNITS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. POWER CABLE DISTANCE TO DATA CABLE IS 250MM ALONG THE TRENCH ROUTE.
4. SINGLE CABLE ALONG THE TRENCH ROUTE IS LOCATED AT THE CENTER OF THE TRENCH.



6 RPLL 21 CABLE LAYOUT FOR LT31 TRANSMISSOMETER
SCALE1:16

Cable Trenching Work Design – Tacloban and General Santos

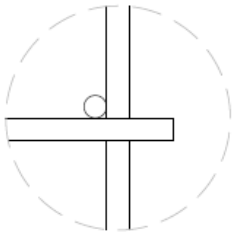
Reinforcement Detail



NOTES:

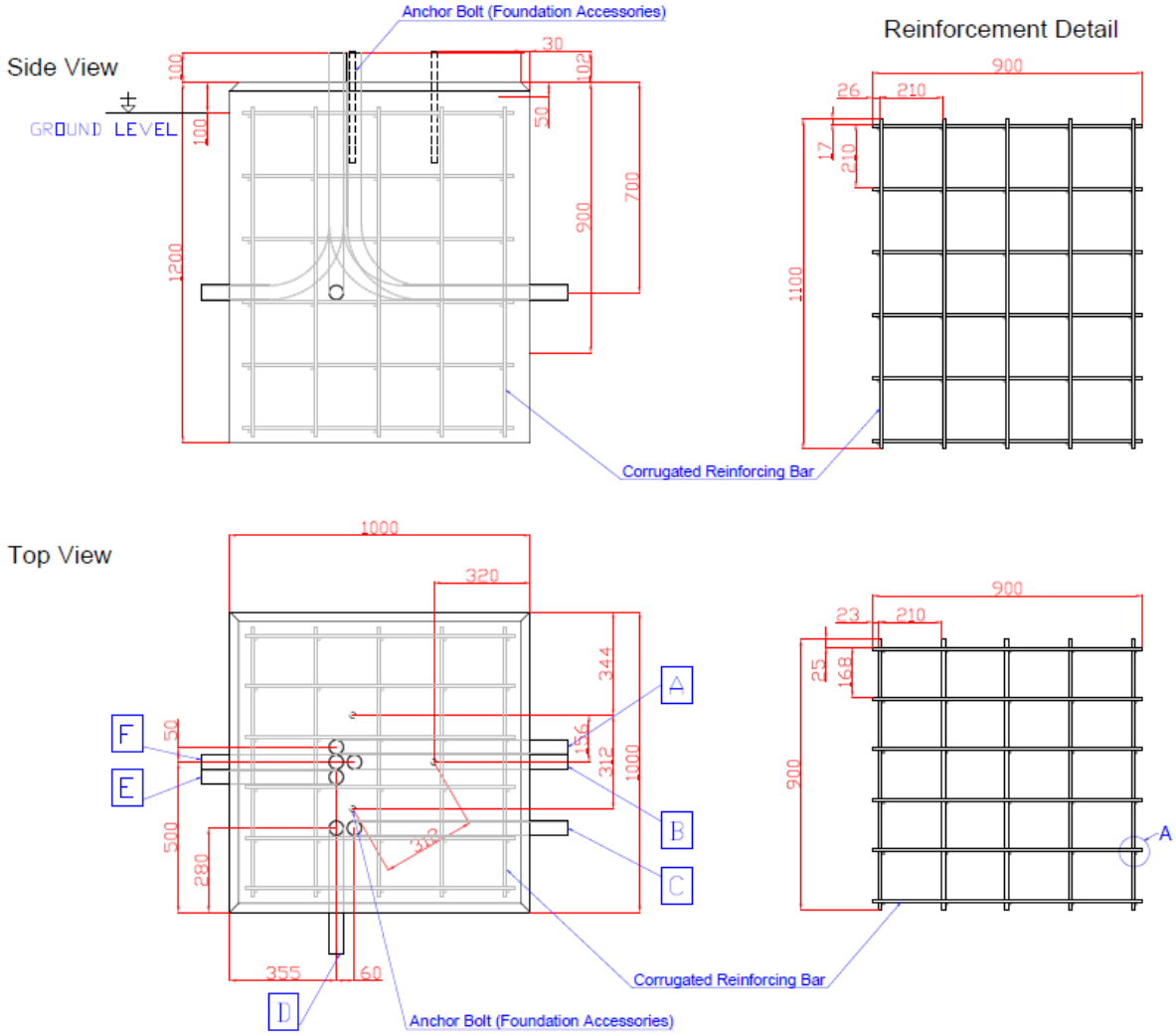
1. Reinforcing Bar is Ø 10mm and Grade 40
2. All bars are joined by welding (see Detail A)
3. Compressive Strength of Concrete is fc ≥ 4350 psi

Ⓐ Conduit for Signal Cable
Ⓑ Conduit for Power Cable
Ⓒ Conduit for Grounding Cable



DETAIL A

Ceilometer Foundation Work Design – Tacloban and General Santos

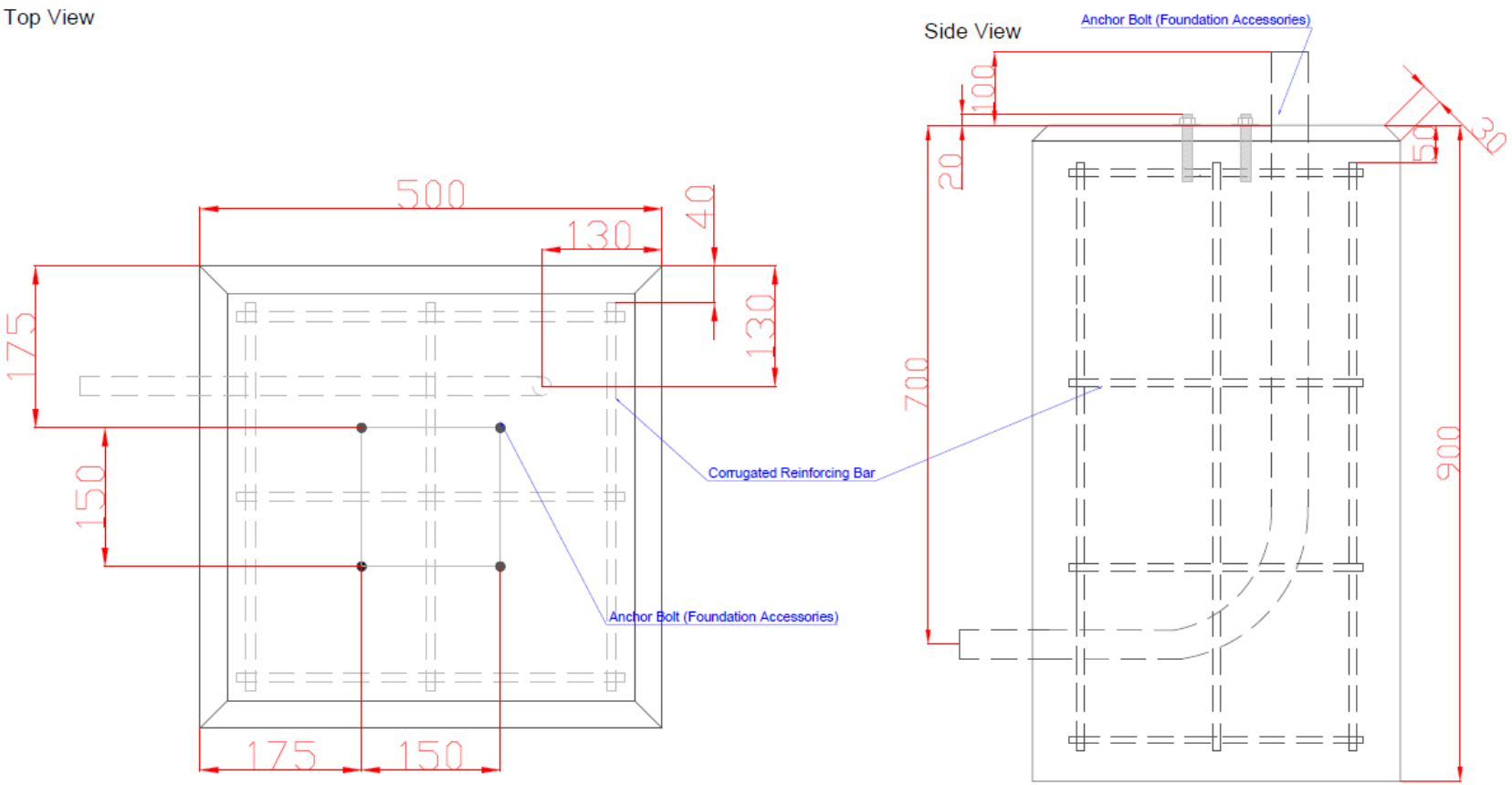


NOTES:

1. Reinforcing Bar is Ø 10mm and Grade 40
2. All bars are joined by welding (see Detail A)
3. Compressive Strength of Concrete is fc ≥ 4350 psi

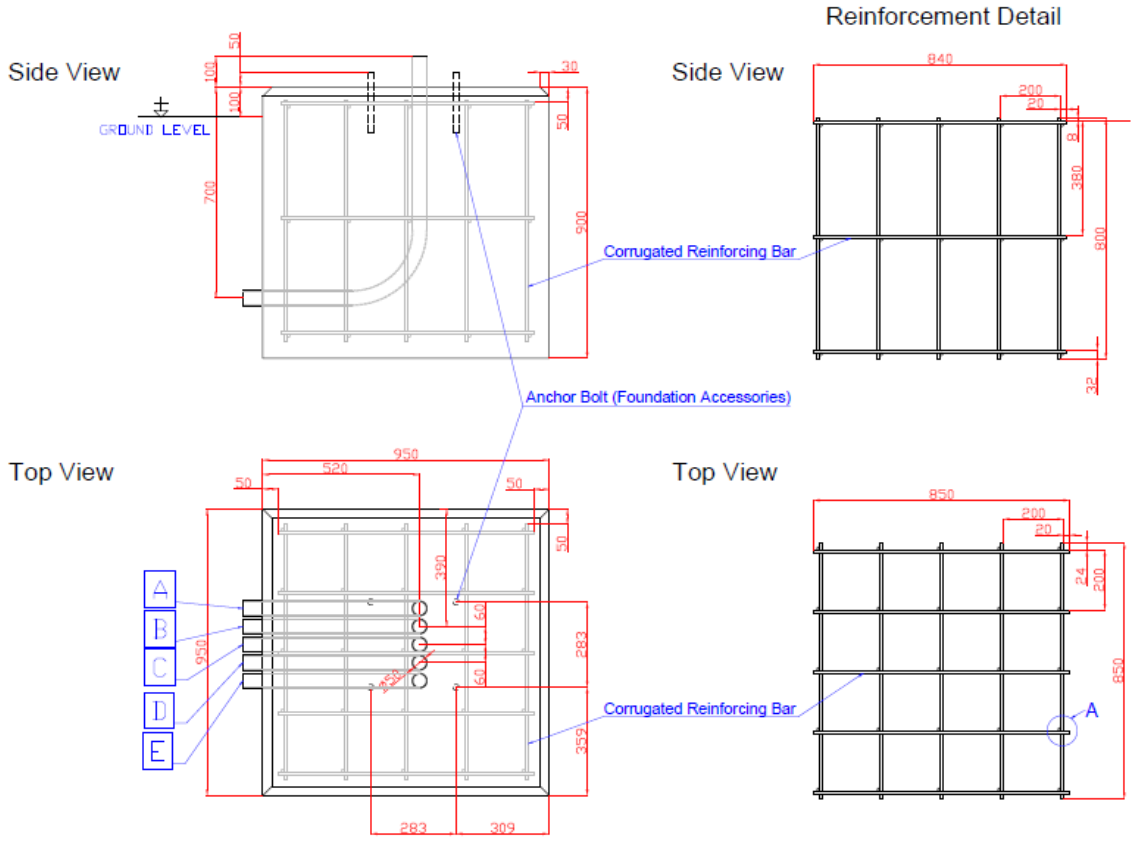
Ⓐ Conduit for Power Cable to LT31 Tx
Ⓑ Conduit for Signal Cable to LT31 Tx
Ⓒ Conduit for Grounding Cable to LT31 Tx
Ⓓ Conduit for Grounding Cable
Ⓔ Conduit for Power Cable from Mains
Ⓕ Conduit for Signal Cable from AWS310

RVR Foundation Work Design – Tacloban and General Santos



Rain Gauge Foundation Work Design – Tacloban and General Santos

Reinforcement Detail



NOTES:

1. Reinforcing Bar is Ø 10mm and Grade 40
2. All bars are joined by welding (see Detail A)
3. Compressive Strength of Concrete is fc ≥ 4350 psi

Ⓐ Conduit for Main Supply
Ⓑ Conduit for RVR Power Line
Ⓒ Conduit for Ceilometer Power Line
Ⓓ Conduit for AWS 310 Power Line
Ⓔ Conduit for Spare

Power Distribution Box Foundation Work Design – Tacloban and General Santos