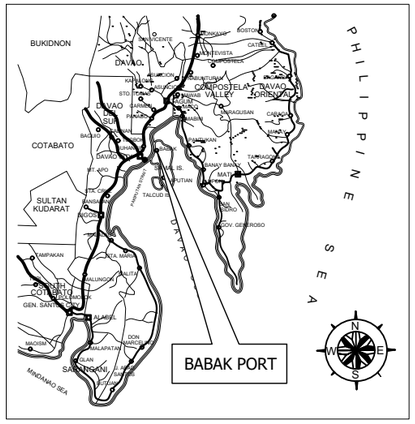
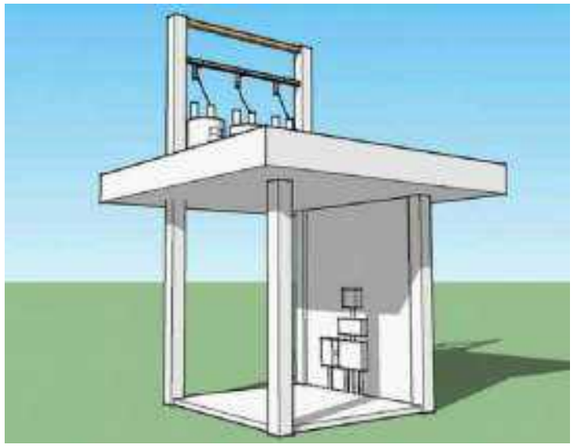


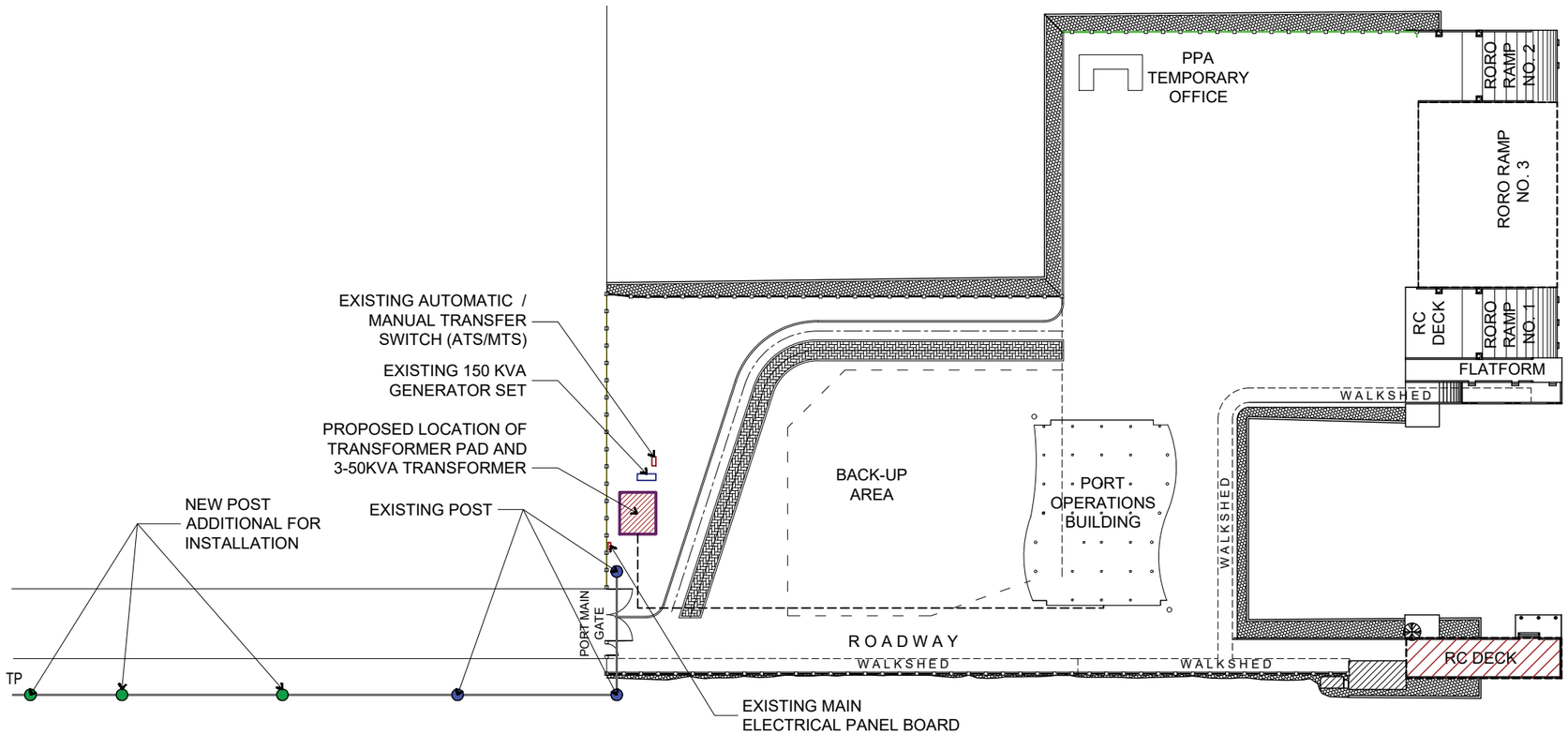


SHT. NO.	DESCRIPTION	SHT. NO.	DESCRIPTION
01	PORT LOCATION MAP / PERSPECTIVE / SHEET CONTENTS / PROJECT LOCATION PLAN	05	ROOF DECK SECTION–A / B1/CB1–ROOF BEAM / CANTILEVER BEAM SECTION DETAIL / ROOF DECK SECTION–B / PB–PARAPET BEAM SECTION DETAIL
02	FLOOR PLAN / RC DECK PLAN / FRONT ELEVATION / LEFT SIDE ELEVATION	06	STEEL FRAMING DETAIL FOR STANDARD COA BILLDOARD / ELECTRICAL LAYOUT / TRANSFROMER PAD ISOMETRIC VIEW / PANEL BOARD ARRANGEMENT / LOAD SCHEDULE
03	REAR ELEVATION / FOUNDATION PLAN / TB–TIE BEAM SECTION DETAIL / DETAIL OF COLUMN AND FOOTING CF1	07	SINGLE LINE DIAGRAM / RISER DIAGRAM
04	ROOF DECK FRAMING PLAN, REBARS DETAIL OF ROOF DECK / TRANSFORMER PAD DETAIL / TRANSFORMER PAD, FLATFORM DIMENSION FOR AN ALIGNED SUPPLY/SOURCE, SECTION DETAIL		

01.1 PORT LOCATION MAP
SCALE 1: NTS METERS

01.2 PERSPECTIVE
SCALE 1: NTS METERS

01.3 SHEET CONTENTS
SCALE 1: NTS METERS



01.4 PROJECT LOCATION PLAN
SCALE 1:1000 METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO G. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

SHEET CONTENTS: PORT LOCATION MAP / PERSPECTIVE / SHEET CONTENTS / PROJECT LOCATION PLAN

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

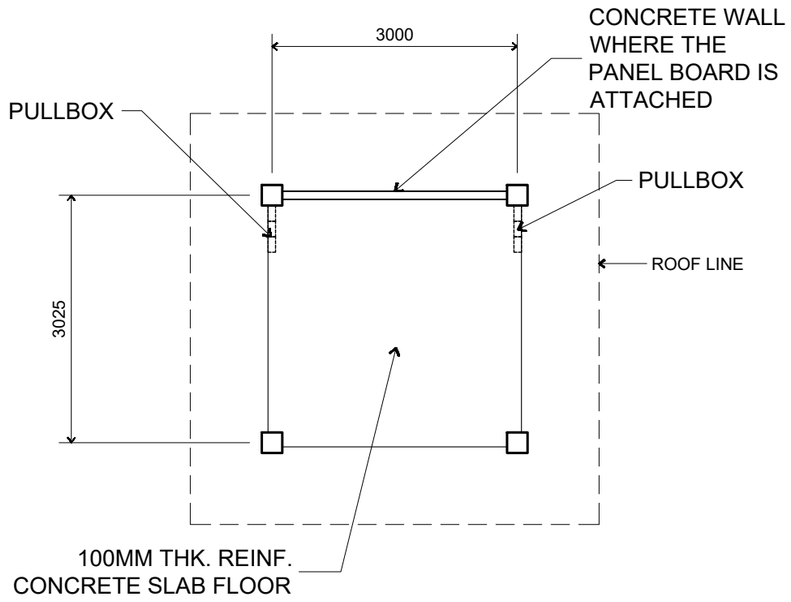
REVISIONS		
DATE	REMARKS	
ADDENDUM		
NO.	–	
PROJECT	–	
DATE	–	
DRAWN	–	

SHEET NO. 01 OF 7

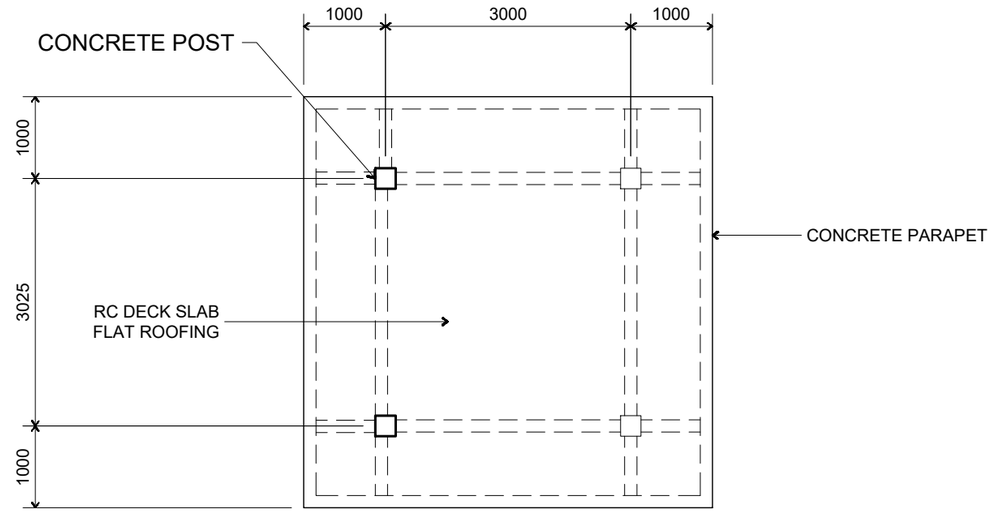
CADD BY	VAJ
DATE DRAWN	04/13/2021
DATE UPDATED	10/12/2021

DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).

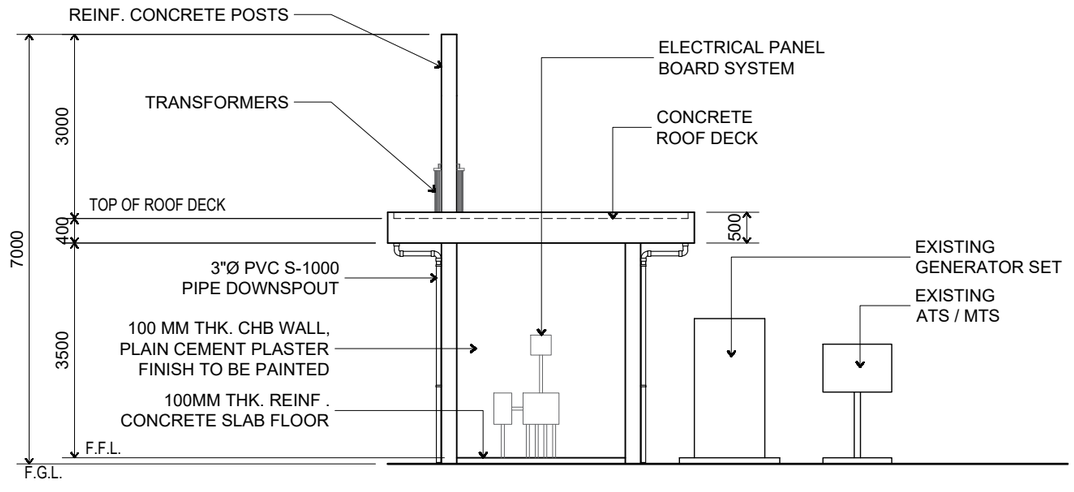
CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-00-BABAK-Transformer Pad.dwg
LAST PLOTTED: 10/12/2021 6:37:45 PM
PLOTSTYLE: monochrome.ctb



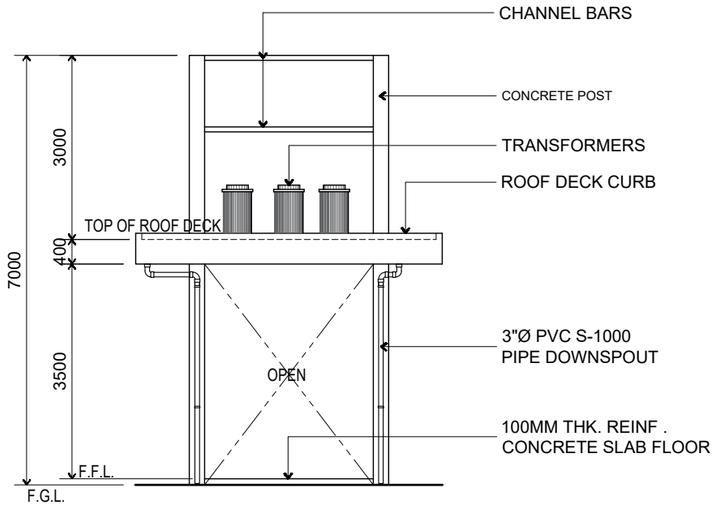
02.1 FLOOR PLAN
SCALE 1:100 METERS



02.2 RC DECK PLAN
SCALE 1:100 METERS



02.5 FRONT ELEVATION
SCALE 1:100 METERS



02.3 LEFT SIDE ELEVATION
SCALE 1:100 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO C. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

SHEET CONTENTS: FLOOR PLAN / RC DECK PLAN / FRONT ELEVATION / LEFT SIDE ELEVATION

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

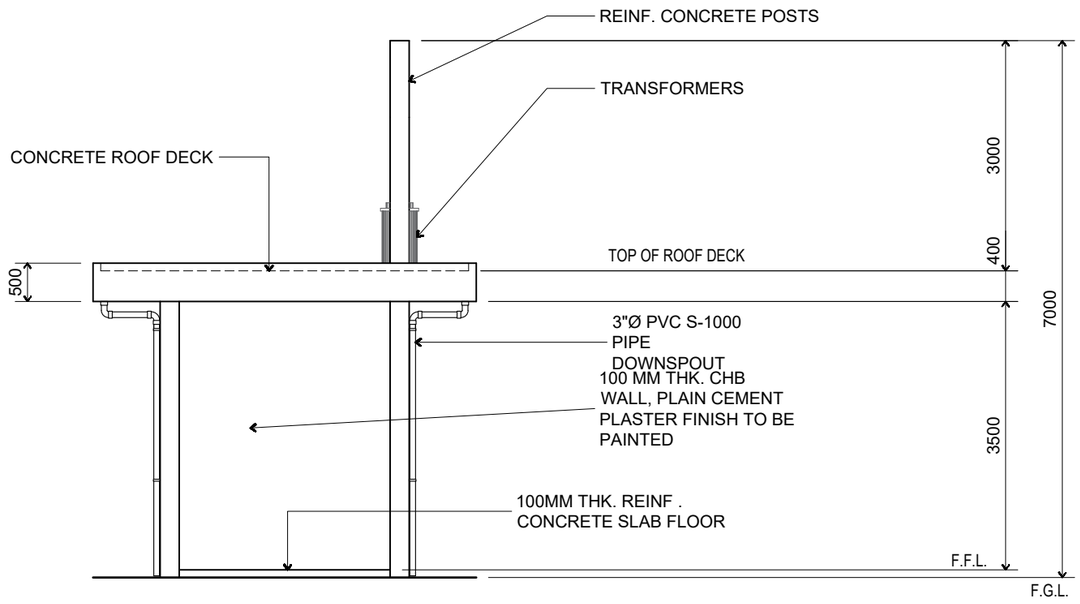
REVISIONS	
DATE	REMARKS
ADDENDUM	
NO.	–
PROJECT	–
DATE	–
DRAWN	–

SHEET NO. 02 OF 7

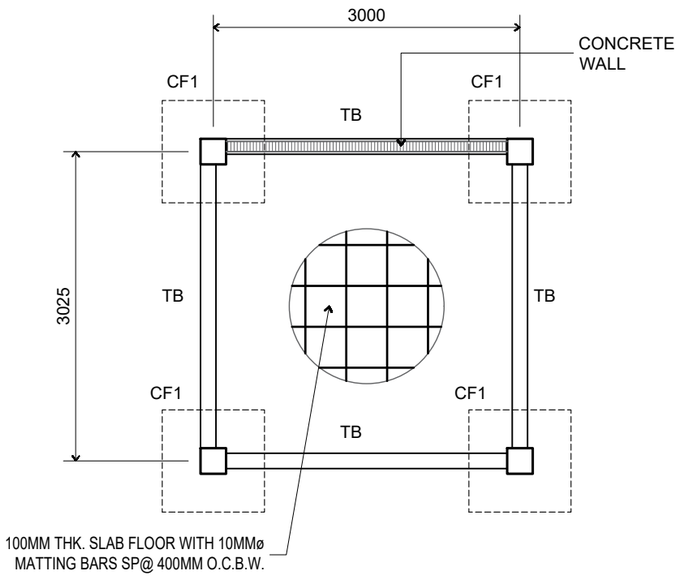
CADD BY VAJ
DATE DRAWN 04/13/2021
DATE UPDATED 10/12/2021

CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-00-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:38pm

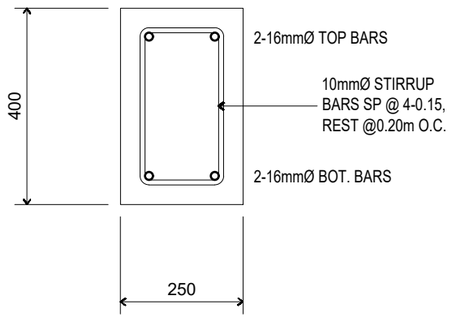
DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).



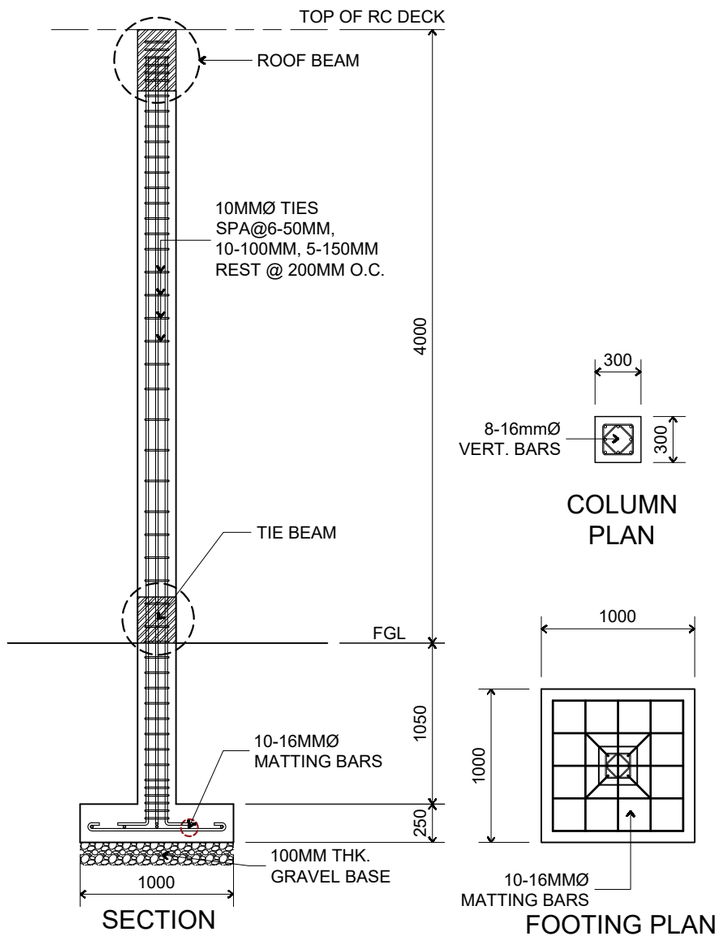
03.1 REAR ELEVATION
SCALE 1:80 METERS



03.2 FOUNDATION PLAN
SCALE 1:60 METERS



03.3 TB–TIE BEAM SECTION DETAIL
SCALE 1:12.5 METERS



03.4 DETAIL OF COLUMN AND FOOTING CF1
SCALE 1:40 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO G. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

SHEET CONTENTS: REAR ELEVATION / FOUNDATION PLAN / TB–TIE BEAM SECTION DETAIL / DETAIL OF COLUMN AND FOOTING CF1

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

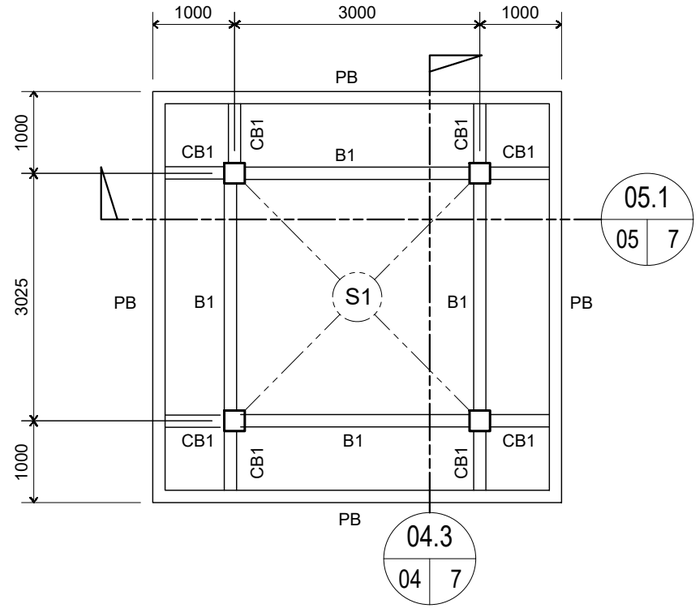
REVISIONS		
DATE	REMARKS	
ADDENDUM		
NO.	–	
PROJECT	–	
DATE	–	
DRAWN	–	

SHEET NO. 03 OF 7

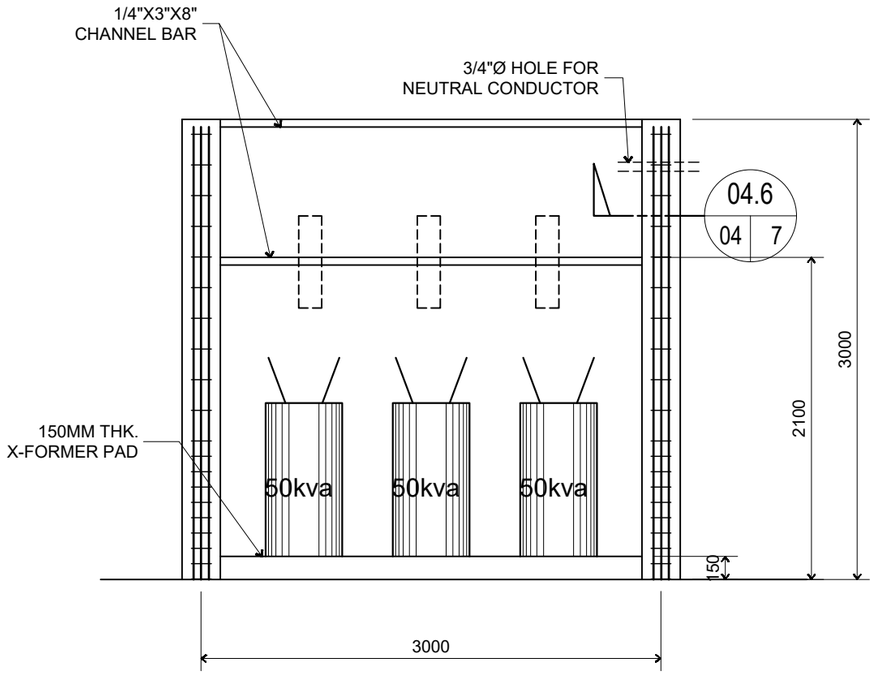
CADD BY: VAJ
DATE DRAWN: 04/13/2021
DATE UPDATED: 10/12/2021

CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-00-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:40pm

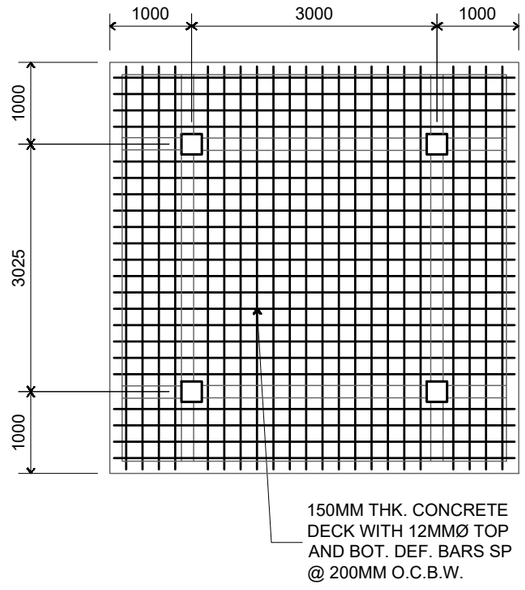
DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).



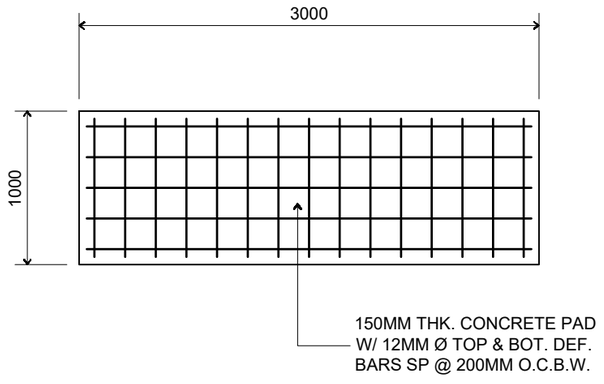
04.1 ROOF DECK FRAMING PLAN
SCALE 1: 75 METERS



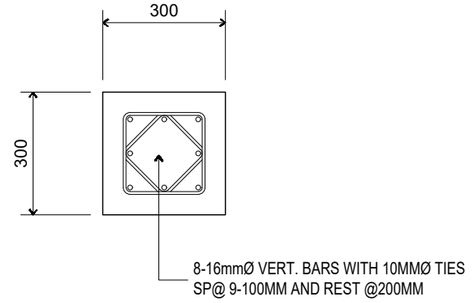
04.4 TRANSFORMER PAD/FLATFORM DIMENSION FOR AN ALIGNED SUPPLY/SOURCE
SCALE 1: 45 METERS



04.2 REBARS DETAILS OF ROOF DECK
SCALE 1: 75 METERS



04.3 TRANSFORMER PAD DETAIL
SCALE 1: 75 METERS



04.5 SECTION DETAIL
SCALE 1: 15 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO C. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

SHEET CONTENTS: ROOF DECK FRAMING PLAN, REBARS DETAIL OF ROOF DECK / TRANSFORMER PAD DETAIL / TRANSFORMER PAD, FLATFORM DIMENSION FOR AN ALIGNED SUPPLY/SOURCE, SECTION DETAIL

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

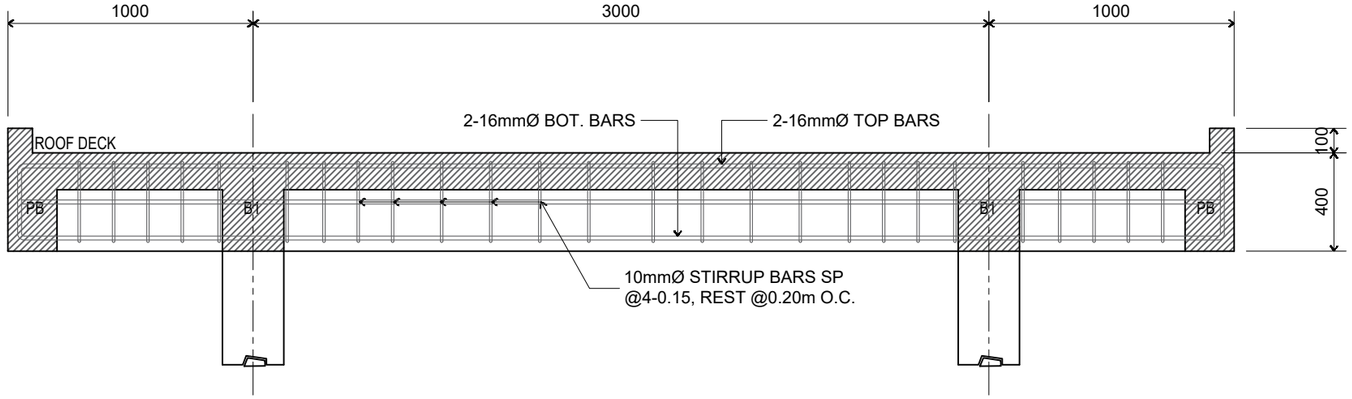
REVISIONS		
DATE	REMARKS	
ADDENDUM		
NO.	–	
PROJECT	–	
DATE	–	
DRAWN	–	

SHEET NO. 04 OF 7

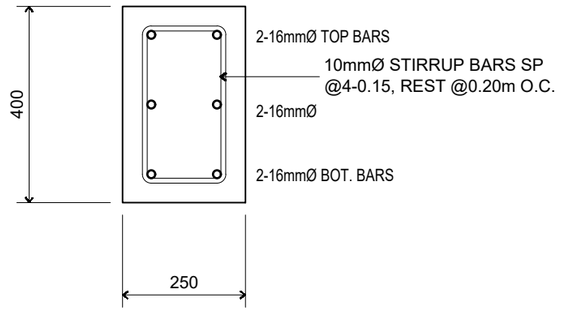
CADD BY: VAJ
DATE DRAWN: 04/13/2021
DATE UPDATED: 10/12/2021

DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).

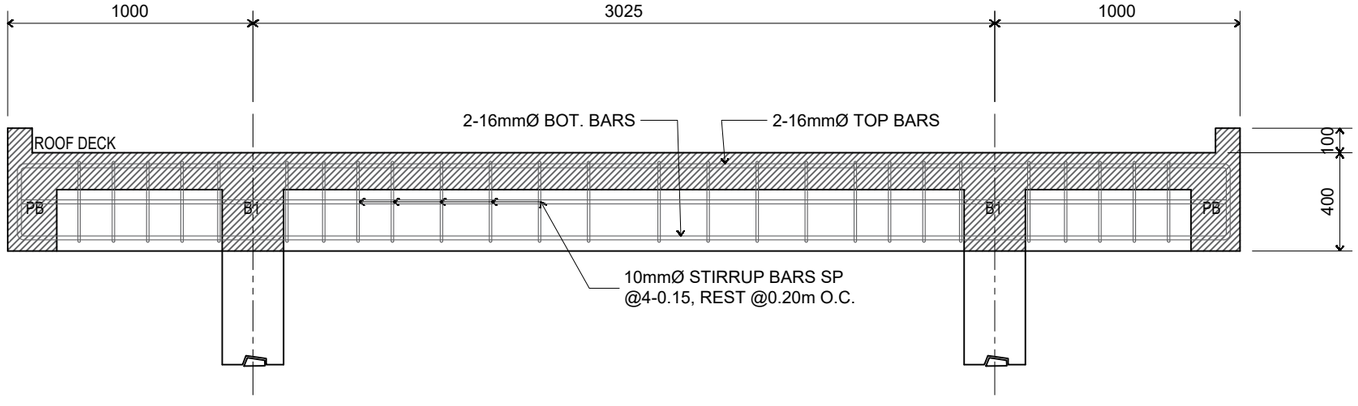
CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-00-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:41 pm



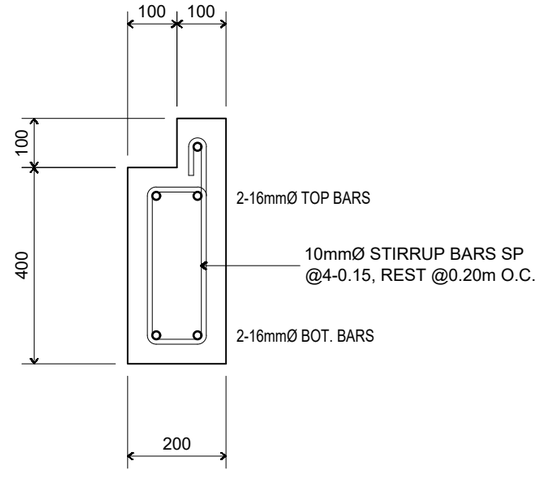
05.1 ROOF DECK SECTION–A
SCALE 1: 25 METERS



05.2 B1/CB1–ROOF BEAM / CANTILEVER BEAM SECTION DETAIL
SCALE 1: 12.5 METERS



05.3 ROOF DECK SECTION–B
SCALE 1: 25 METERS



05.4 PB–PARAPET BEAM SECTION DETAIL
SCALE 1: 12.5 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO C. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

SHEET CONTENTS: ROOF DECK SECTION–A / B1/CB1–ROOF BEAM / CANTILEVER BEAM SECTION DETAIL / ROOF DECK SECTION–B / PB–PARAPET BEAM SECTION DETAIL

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

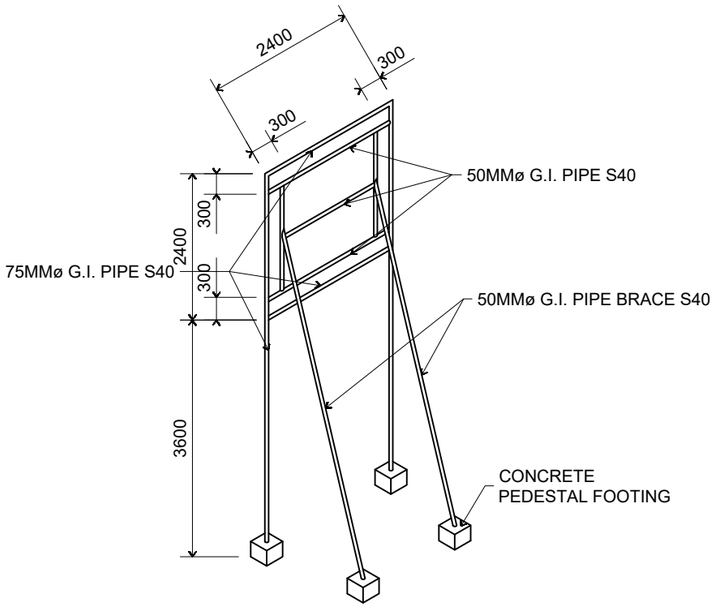
REVISIONS		
DATE	REMARKS	
	ADDENDUM	
NO.	–	
PROJECT	–	
DATE	–	
DRAWN	–	

SHEET NO. 05 OF 7

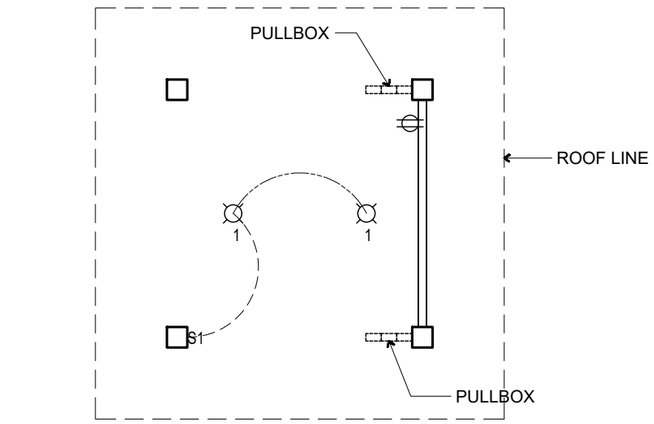
CADD BY VAJ
DATE DRAWN 04/13/2021
DATE UPDATED 10/12/2021

CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-OO-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:41 pm

DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).



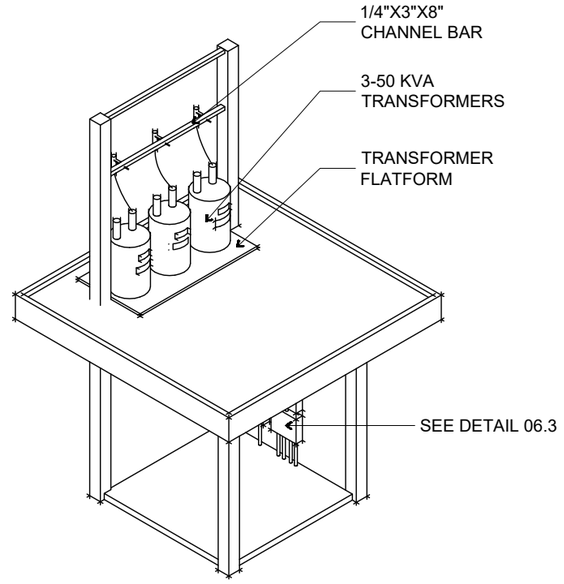
06.1 STEEL FRAMING DETAIL FOR STANDARD COA BILLDOARD
SCALE 1: 100 METERS



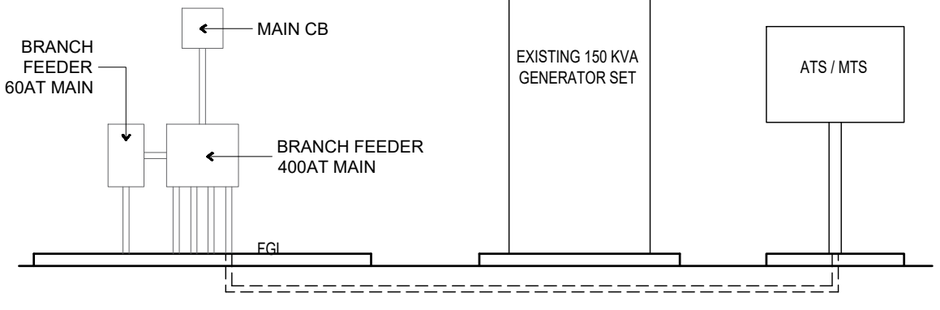
LEGEND:

	LIGHTING FIXTURE
S1	2-GANG CONVENIENCE OUTLET WEATHER PROOF SWITCH (NUMBER DENOTES NO. OF GANG)

06.2 ELECTRICAL LAYOUT
SCALE 1: 75 METERS



06.3 TRANSFROMER PAD ISOMETRIC VIEW
SCALE 1: 25 METERS



06.3 PANEL BOARD ARRANGEMENT
SCALE 1: NTS METERS

PANEL NAME	SUMMARY OF LOADS	SUMMARY OF LOADS	MAIN FEEDER SIZE		MAIN FEEDER SIZE	
PANEL LOCATION	TRANSFORMER PAD					
ENCLOSURE	NEMA-1		2 SETS OF 3-125mm² THW R,Bk		AT	400
SYSTEM	220 V, THREE PHASE, 60 Hz		30mm² THHN GREEN		AF	500
MIN. RMS SYM. CURRENT	KAIC		1 SET PVC CONDUIT		P	3

CKT. NO.	LOAD DESCRIPTION PANEL ID	LOAD IN KW	LOAD IN KVA	DEMAND KVA	VOLTS	CONNECTED LOAD CURRENT AMPERES 3-PH	AB	BC	CA	BREAKER AT	AF	P	CONDUCTOR (mm²)
1	PORT TERMINAL BUILDING		45.70		220	207.73				300	400	3	X2-50+G22
2	TEMPORARY OFFICE		13.30		220	60.00				60	100	3	X14+G5.5
3	LIGHTINGS		5.0		220	22.73				60	100	3	X14+G5.5
										40	100	3	X14+G5.5
	TOTAL		63.90		220	290.46							

FOR FEEDER CURRENT:
TOTAL CURRENT = 290.46 A

FOR OVERCURRENT DEVICE:
HIGHEST CB RATING = 300 A
REMAINING LOAD = 82.73 A
TOTAL CURRENT = 382.73 A

TRANSFORMER RATING COMPUTATION: $KVA = \frac{V_L \times I_L \times 1.732}{1000}$

$= \frac{240 \times 290.46 \times 1.732}{1000}$

$= 120.74$

THEREFORE:
USE 3-50 KVA SINGLE PHASE OIL-IMMERSED TYPE TRANSFORMER (PCB FREE)

06.4 LOAD SCHEDULE
SCALE 1: NTS METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO O. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER: ANALEE G. AGUILA, *PORT MANAGER*

PROJECT TITLE: UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT

SHEET CONTENTS: STEEL FRAMING DETAIL FOR STANDARD COA BILLDOARD / ELECTRICAL LAYOUT / TRANSFROMER PAD ISOMETRIC VIEW / PANEL BOARD ARRANGEMENT / LOAD SCHEDULE

LOCATION: BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

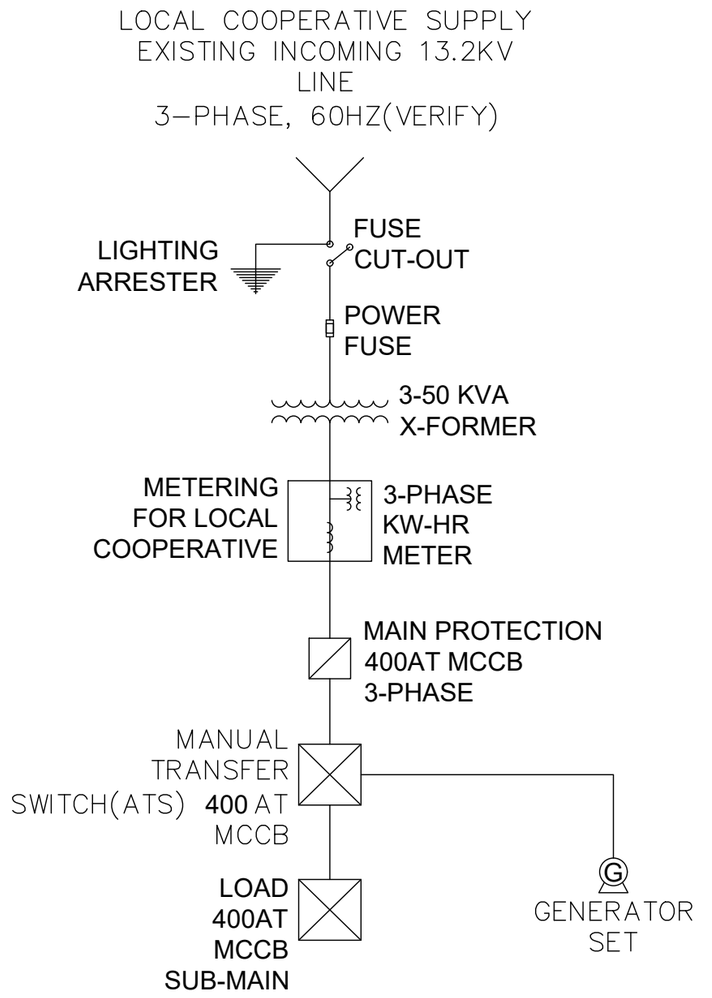
REVISIONS DATE	REMARKS
ADDENDUM	
NO.	–
PROJECT	–
DATE	–
DRAWN	–

SHEET NO. 06 OF 7

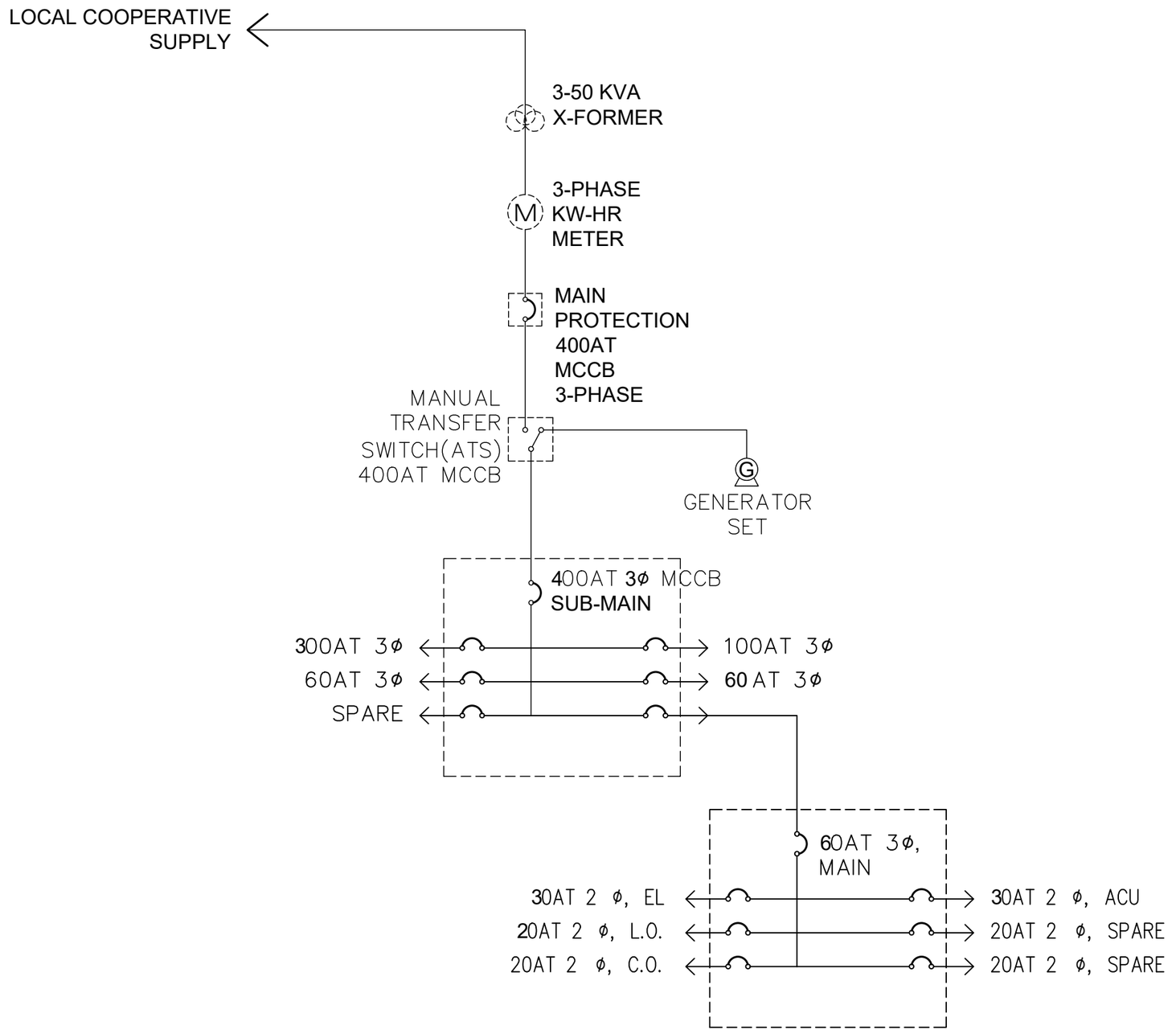
CADD BY VAJ
DATE DRAWN 04/13/2021
DATE UPDATED 10/12/2021

CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-OO-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:42pm

DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).



07.1 **SINGLE LINE DIAGRAM**
SCALE 1: NTS METERS



07.2 **RISER DIAGRAM**
SCALE 1: NTS METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	EDELPETER L. DE LA ROSA *SENIOR ENGINEER A*	ASTERIO C. GALLARDO, JR. *ESD MANAGER*	ANALEE G. AGUILA *PORT MANAGER*

OWNER:	PROJECT TITLE:
ANALEE G. AGUILA *PORT MANAGER*	UPGRADING OF ELECTRICAL POWER CONNECTION INTO THREE PHASE POWER SUPPLY, BABAK PORT
SHEET CONTENTS:	LOCATION:
SINGLE LINE DIAGRAM / RISER DIAGRAM	BABAK PORT, BABAK, IGACOS, DAVAO DEL NORTE

REVISIONS		SHEET NO.	OF
DATE	REMARKS	07	7
ADDENDUM			
NO.	–		
PROJECT	–	CADD BY	VAJ
DATE	–	DATE DRAWN	04/13/2021
DRAWN	–	DATE UPDATED	10/12/2021

DRAWING AND SPECIFICATION DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS OF SERVICES ARE THE PROPERTY OF THE ARCHITECT, WHETHER THE OBJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OF THE SAID DOCUMENTS TO DUPLICATE OR TO MAKE COPIES OF THE SAID DOCUMENTS FOR USE IN REPETITION OF AND FOR PROJECTS OR BUILDINGS WHETHER PARTLY OR WHOLELY EXECUTED. R.A.545 SECTION 25(4).

CAD FILE: C:\Users\PPA\Documents\VicJazz\Archivos de Oficina\CAD Files\Babak Port\2021-00-BABAK-Transformer Pad.dwg
PLOTTED DATE : Oct 12, 2021 - 6:42pm