

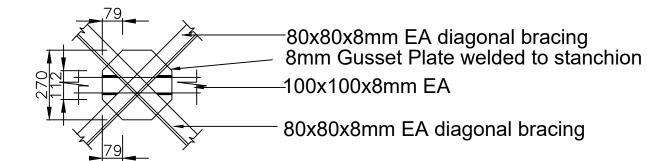
80x80x8mm EA diagonal bracing

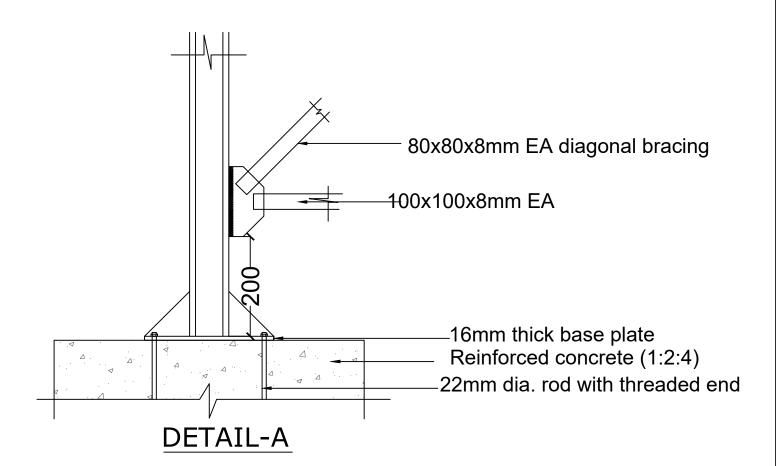
100x100x8mm EA 8mm Gusset Plate welded to stanchion

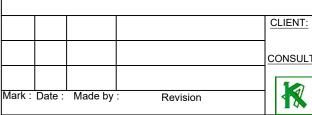
80x80x8mm EA diagonal bracing

DETAIL-B

DETAIL-C







USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD

Engineers & Consultants
30, Onireke Layout,
P.M. B. 5478, Ibadan, NIGERIA.
E-mail:konsadem@gmail.com

2ML CONSULTING NIGERIA LTDOffice 8, B1-Close Off 69(A) Road
Gwarinpa Abuja,

PROJECT

ENGINEERING DESIGN OF WASH
FACILITIES ACROSS BORNO, ADAMAW
AND YOBE (BAY) STATES
Service Contract No: YOL SC 14

GANYE

SMALL TOWN

DRAWING TITLE
GANGARASSO MAIN WATER SCHEME
ELEVATED STORAGE TANK 50 Cu.m)
TANK DETAILS

69(A) Road

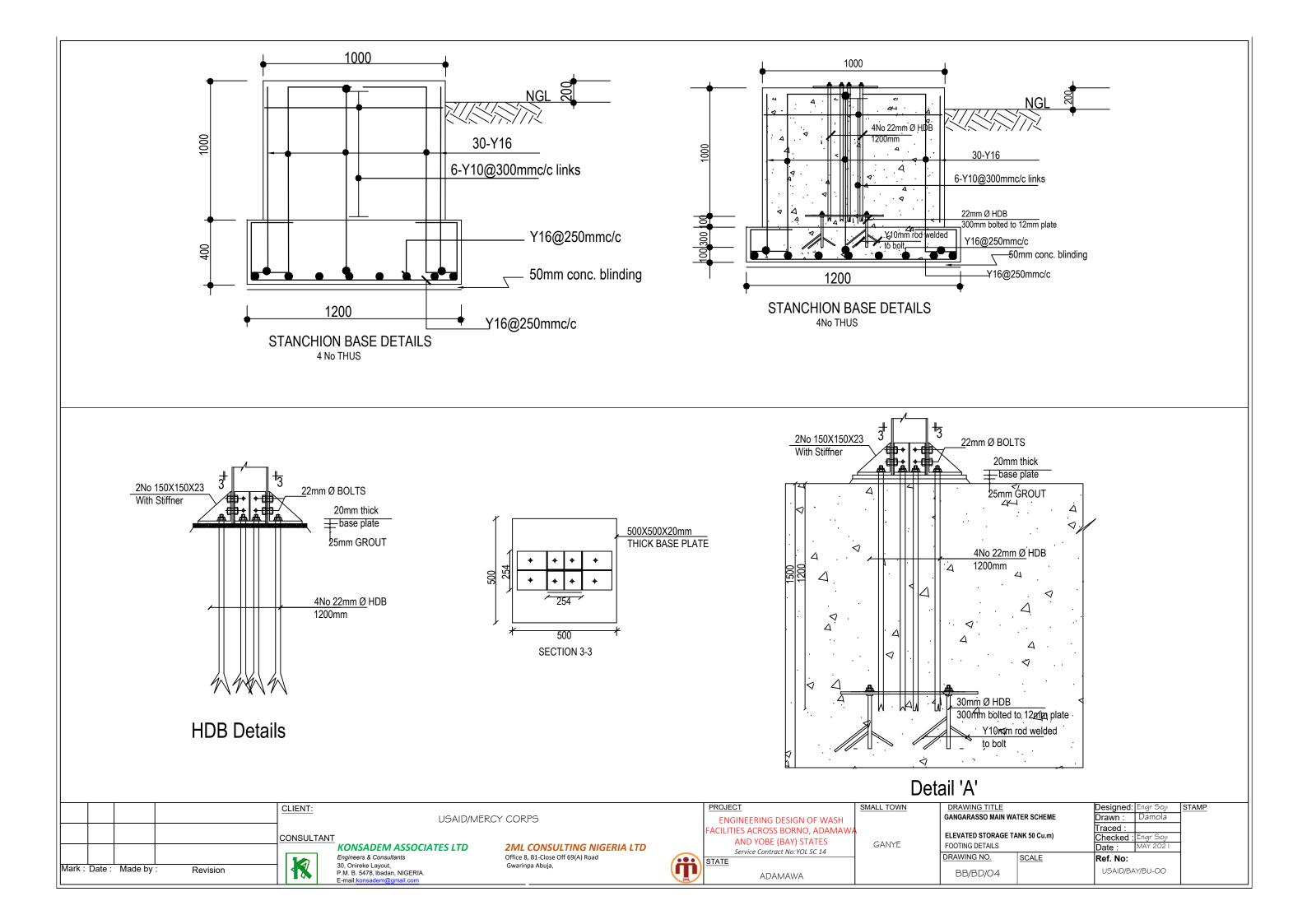
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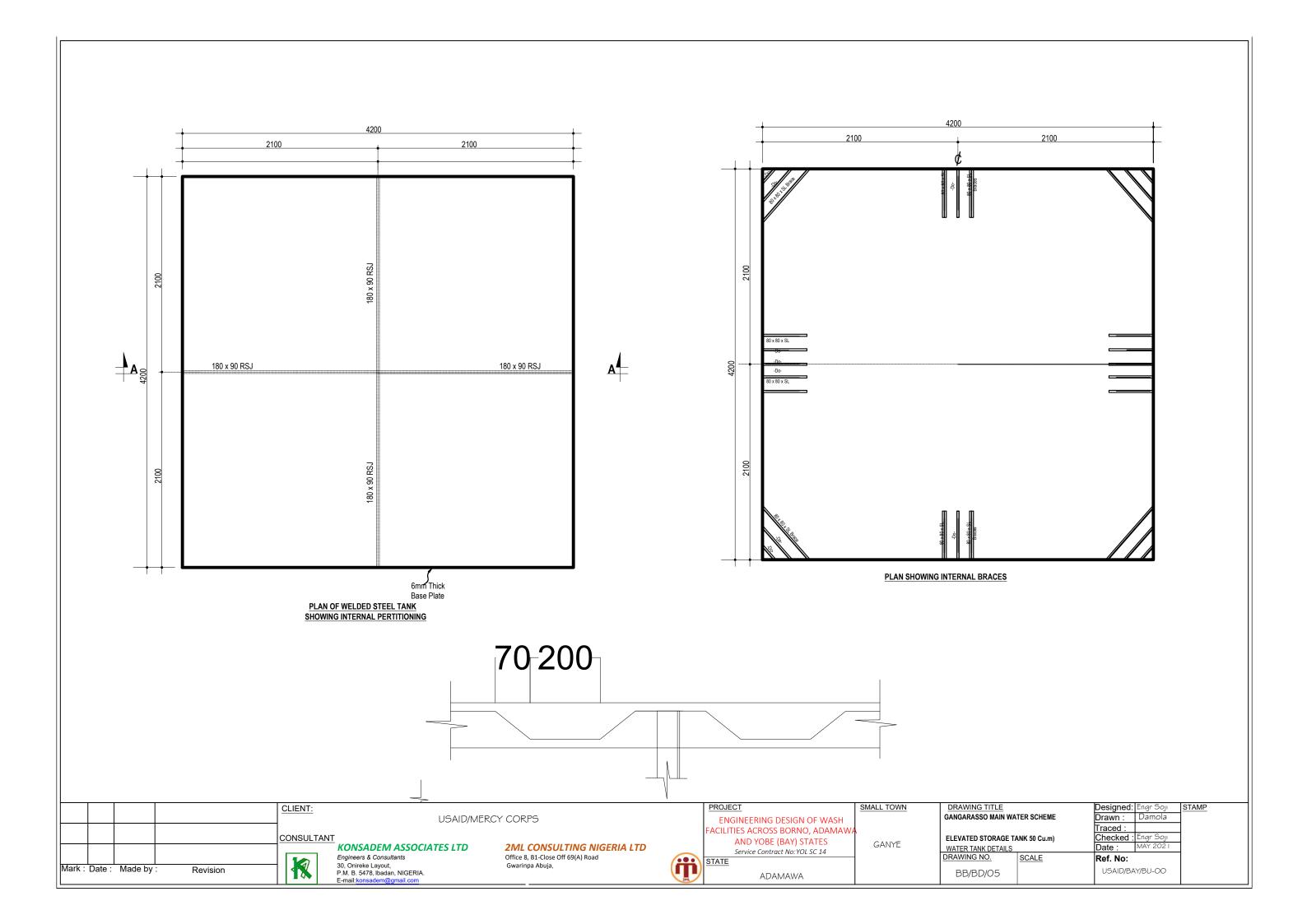
ADAMAWA

DRAWING NO.
BB/BD/O3

 NO.
 SCALE
 Ref. No:

 D/O3
 USAID/BAY/BU-OO

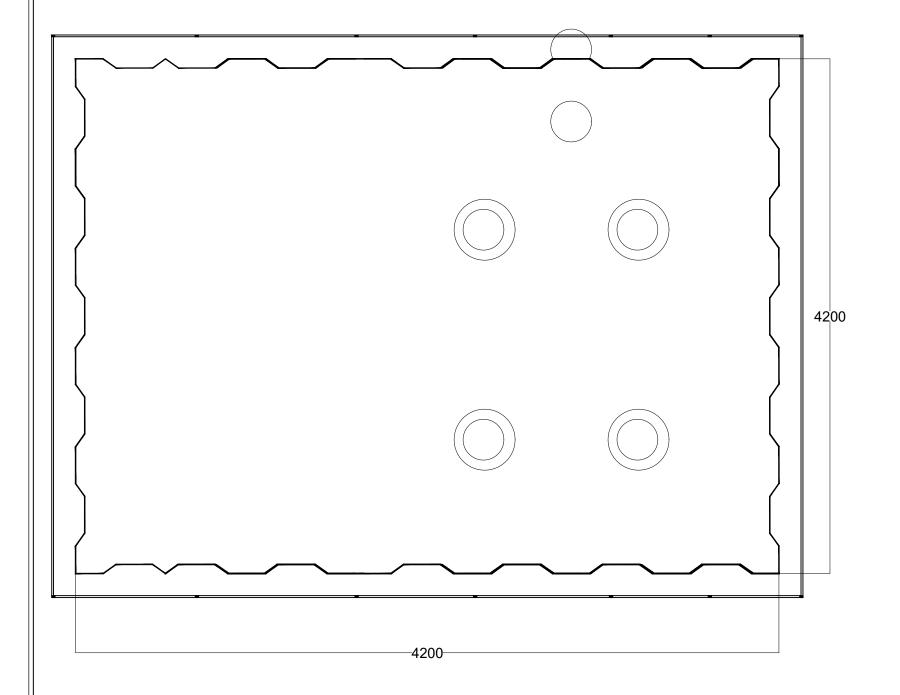


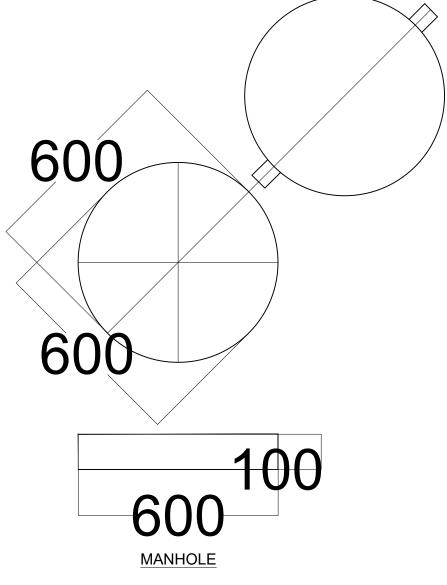


All bolts connected to gusset plates to be 16mm dia,grade 8.8

DETAILS AT 'B'

DETAILS AT 'B'





NOTES

- 1. CONCRETE GRADE = 25
- 2. STEEL GRADE = 43
- 3. SOIL BEARING CAPACITY(ASSUMED) = $150KN/m^2$
- 4. WIND LOADING CONDITIONS = 40m/s^2
- 5. ELECTRODE: A fox 3.10/4.00mm
 5mm thick fillet weld on body panels
 10mm thick butt welding on base.

PAINTING

- a. Internal section of tank with 1 coat of epoxy primer followed by 2 coats asphaltine paint.
- b. External surface of tank including the access ladder and ventilation beams with with red oxide base followed by 2 coats of HR aluminum paint (5200)

				CLIENT:	USAID/ME	RCY CORPS
				CONSULTANT	KONSADEM ASSOCIATES LTD	2ML CONSULTING NIGERIA LTD
Mark :	Date :	Made by	Revision	- 	ROWSADEW ASSOCIATES LID Engineers & Consultants 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. F-mail knosadem@unail.com	Office 8, B1-Close Off 69(A) Road Gwarinpa Abuja,

PROJECT

ENGINEERING DESIGN OF WASH
FACILITIES ACROSS BORNO, ADAMAWA
AND YOBE (BAY) STATES
Service Contract No:YOL SC 14

STATE

ADAMAWA

GANYE

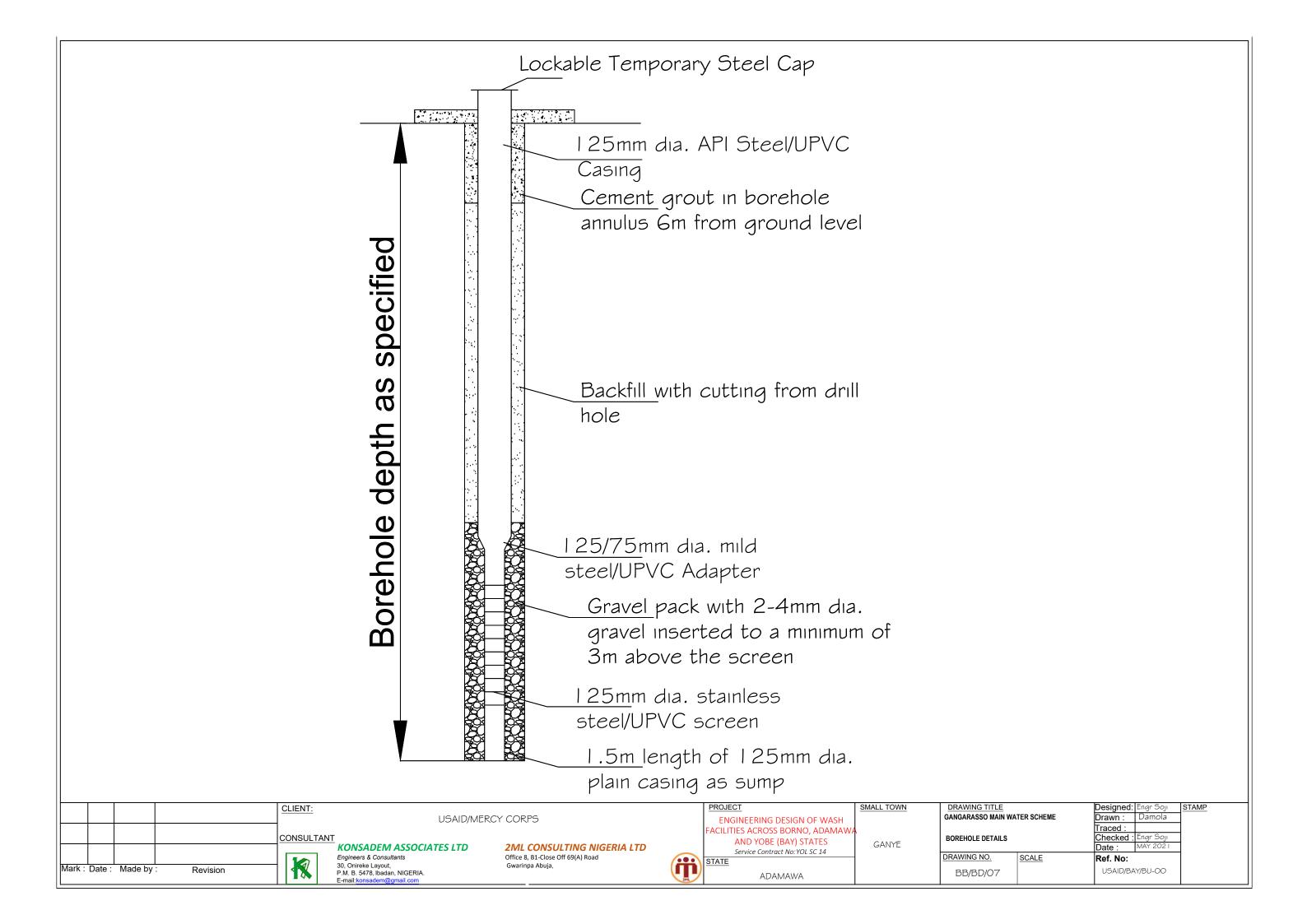
DRAWING TITLE
GANGARASSO MAIN WATER SCHEME

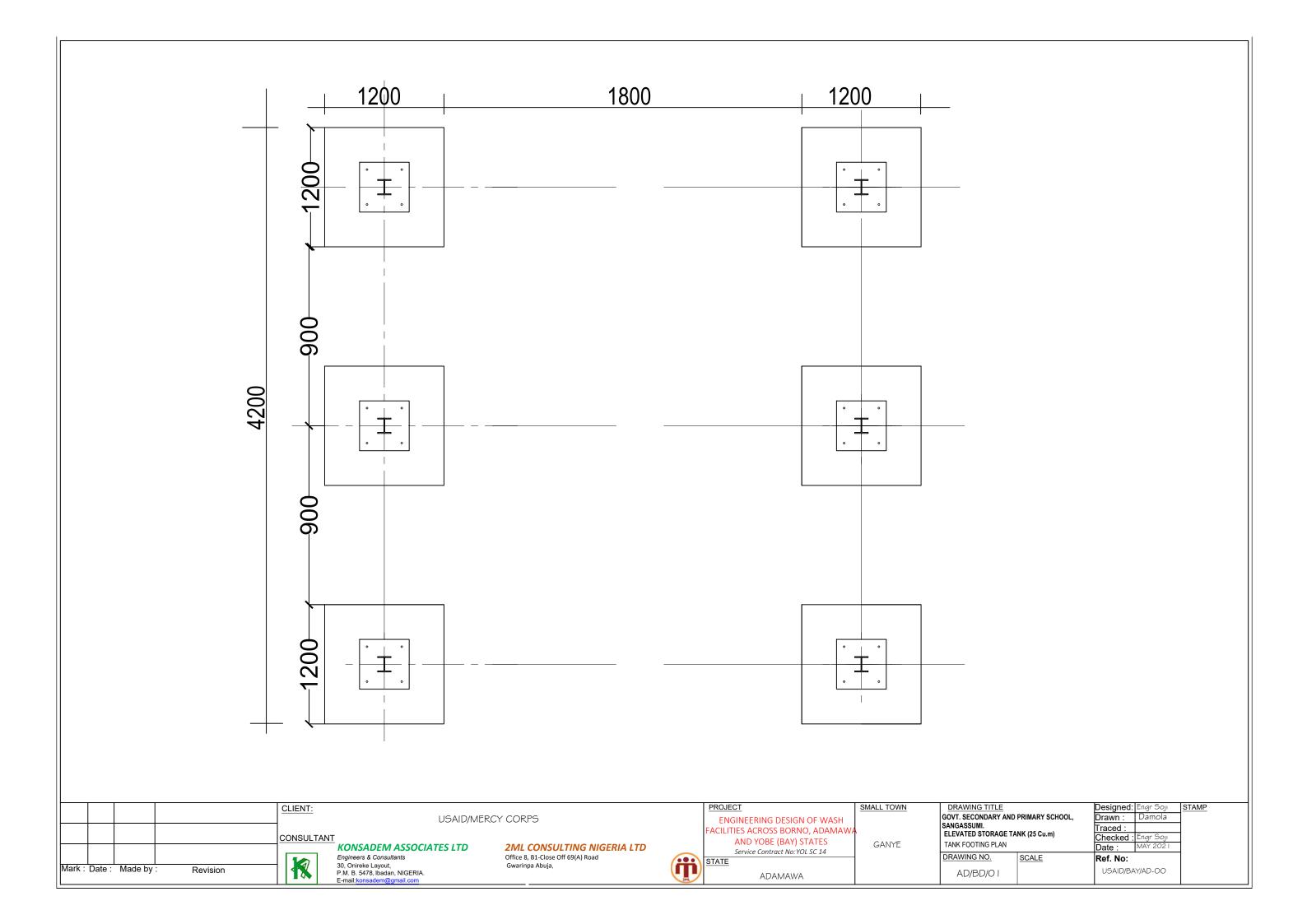
ELEVATED STORAGE TANK 50 Cu.m)
WATER TANK DETAILS
DRAWING NO.
BB/BD/OG

BB/BD/OG

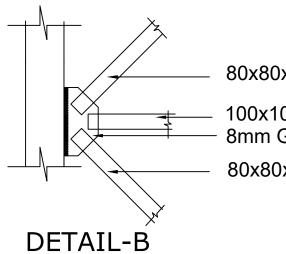
Designed: Engr Soji
Drawn: Damola
Traced:
Checked: Engr Soji
Date: MAY 2021

Ref. No:
USAID/BAY/BU-OO





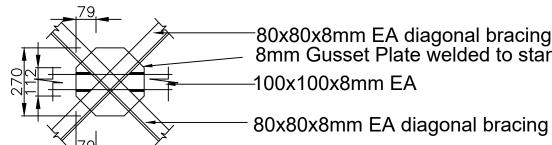
NOTE: Soil bearing capacity is to be determined by contractor on site for the foundation of tower. **SOLAR PANELS** 40x40 angle iron protective frame for Solar Panel, tilited at 15 degress 5mm thick M/S plate -5mm thick M/S plate DN 20g pipe handrail 6mm thick M/S base plate —356x171x67 U.B - DN 20g pipe handrail 6mm thick M/S base plate 12mm thick Checker plate - 356x171x67 U.B 457x152x67 U.B — 457x152x67 U.B 100mm Ø Washout Pipe 100X100x8 EA -100X100x8EA 80x80X8EA 80x80X8EA Bracing Bracing -254x254x73 U.C **−** 254x254x73 U.C B 100X100X8 EA - 100X100X8 EA 75mm Ø Inlet Pipe 150mm Ø outlet Pipe 100x100x8 EA 100mm Ø overflow Pipe 100x100x8 EA Bracing 1750 600 SIDE VIEW FRONT VIEW SMALL TOWN CLIENT: Designed: Engr Soji Drawn : Damola GOVT. SECONDARY AND PRIMARY SCHOOL, USAID/MERCY CORPS ENGINEERING DESIGN OF WASH Traced : ACILITIES ACROSS BORNO, ADAMAW ELEVATED STORAGE TANK 25 Cu.m) CONSULTANT Checked : Engr So AND YOBE (BAY) STATES **GANYE** TANK VIEWS AND ELEVATION KONSADEM ASSOCIATES LTD **2ML CONSULTING NIGERIA LTD** Date : Service Contract No: YOL SC 14 Engineers & Consultants Office 8, B1-Close Off 69(A) Road DRAWING NO. Ref. No: (iii 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. Gwarinpa Abuja, Mark: Date: Made by: USAID/BAY/BU-OO BB/BD/02 ADAMAWA



80x80x8mm EA diagonal bracing

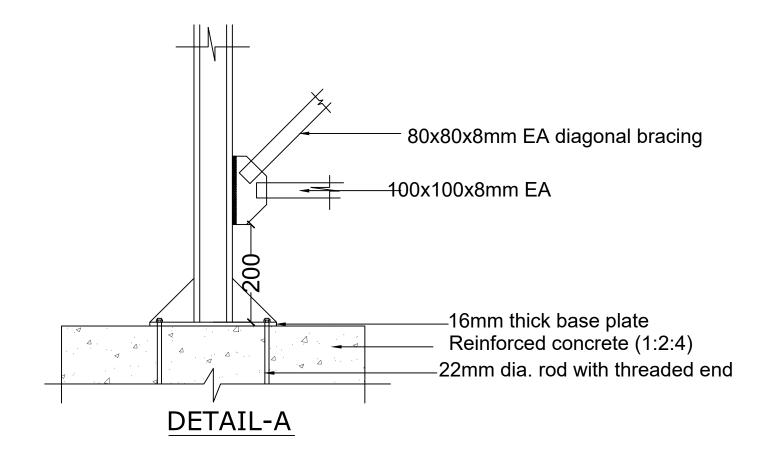
100x100x8mm EA 8mm Gusset Plate welded to stanchion

80x80x8mm EA diagonal bracing



-80x80x8mm EA diagonal bracing 8mm Gusset Plate welded to stanchion -100x100x8mm EA

DETAIL-C



CLIENT: Mark: Date: Made by:

USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD Engineers & Consultants 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA.

2ML CONSULTING NIGERIA LTD Office 8, B1-Close Off 69(A) Road

ENGINEERING DESIGN OF WASH ACILITIES ACROSS BORNO, ADAMAW AND YOBE (BAY) STATES Service Contract No:YOL SC 14 (iii

ADAMAWA

GANYE

SMALL TOWN

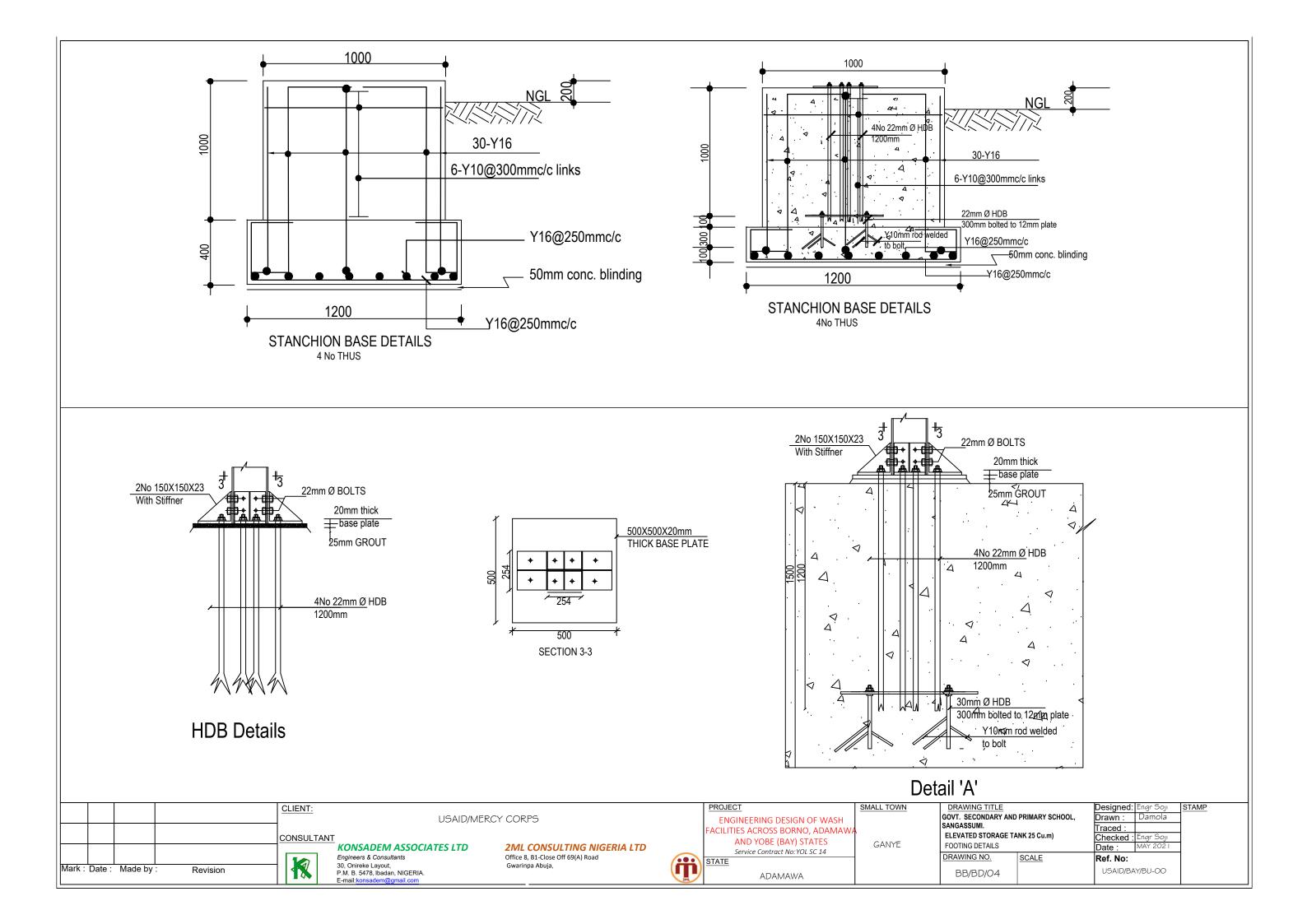
DRAWING TITLE
GOVT. SECONDARY AND PRIMARY SCHOOL,
SANGASSUMI. ELEVATED STORAGE TANK 25 Cu.m) TANK DETAILS

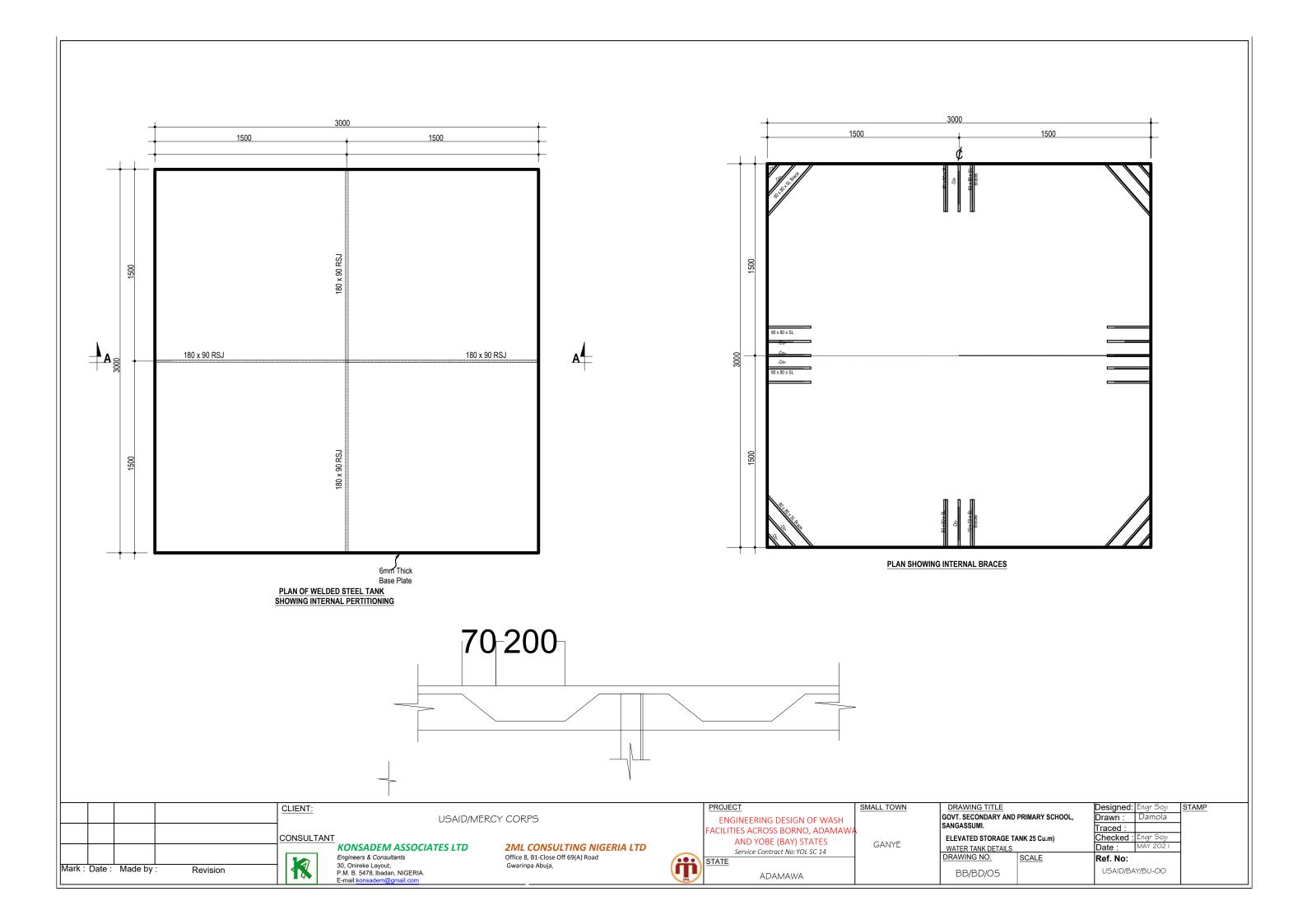
SCALE

DRAWING NO.

BB/BD/03

Designed: Engr Soji Drawn : Damola Traced : Checked : Engr Sc Ref. No: USAID/BAY/BU-OO

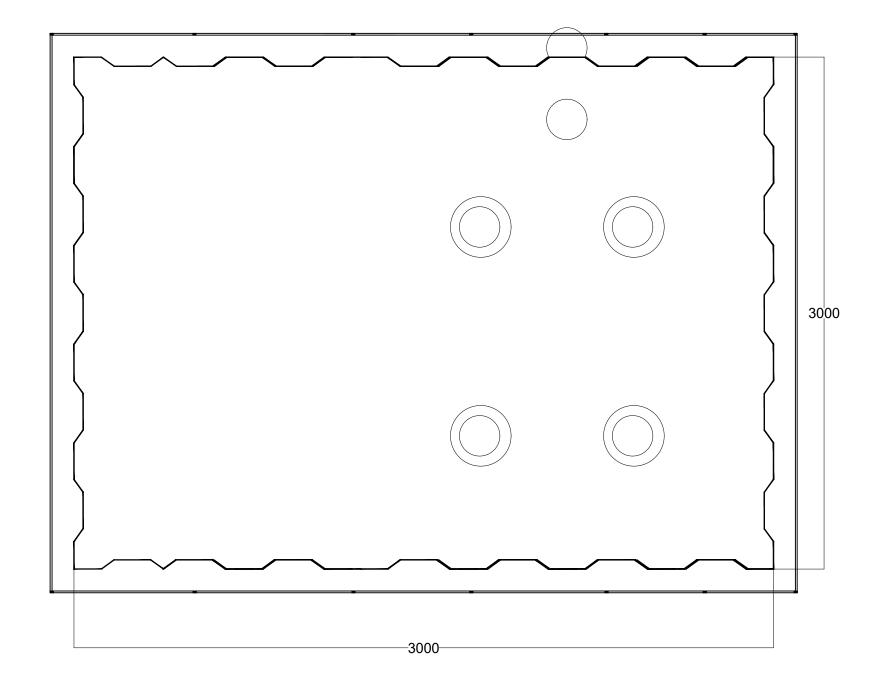


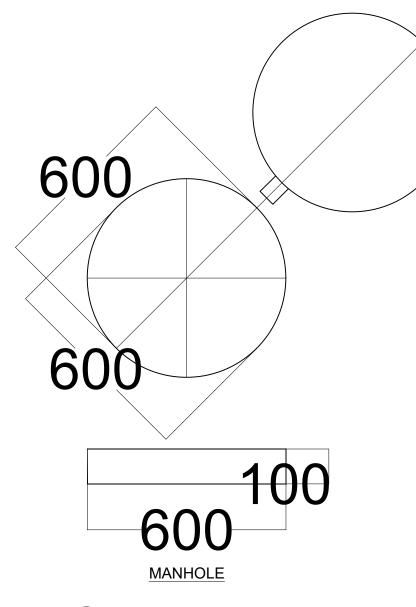


All bolts connected to gusset plates to be 16mm dia,grade 8.8

DETAILS AT 'B'

DETAILS AT 'B'





NOTES

- 1. CONCRETE GRADE = 25
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- 3. SOIL BEARING CAPACITY(ASSUMED) = $150KN/m^2$
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- a. Internal section of tank with 1 coat of epoxy primer followed by 2 coats asphaltine paint.
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DRAWING TITLE

ı							
							CLIENT:
							CONSULTA
	Mark ·	Date :	Made by		Revision		
ı	liviai k .	Date .	wade by	•	Revision		

USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD

Engineers & Consultants
30, Onireke Layout,
P.M. B. 5478, Ibadan, NIGERIA.
E-mail:konsadem@gmail.com

2ML CONSULTING NIGERIA LTDOffice 8, B1-Close Off 69(A) Road
Gwarinpa Abuja,



GANYE

SMALL TOWN

GOVT. SECONDARY AND PRIMARY SCHOOL, SANGASSUMI.

ELEVATED STORAGE TANK 25 Cu.m)

WATER TANK DETAILS

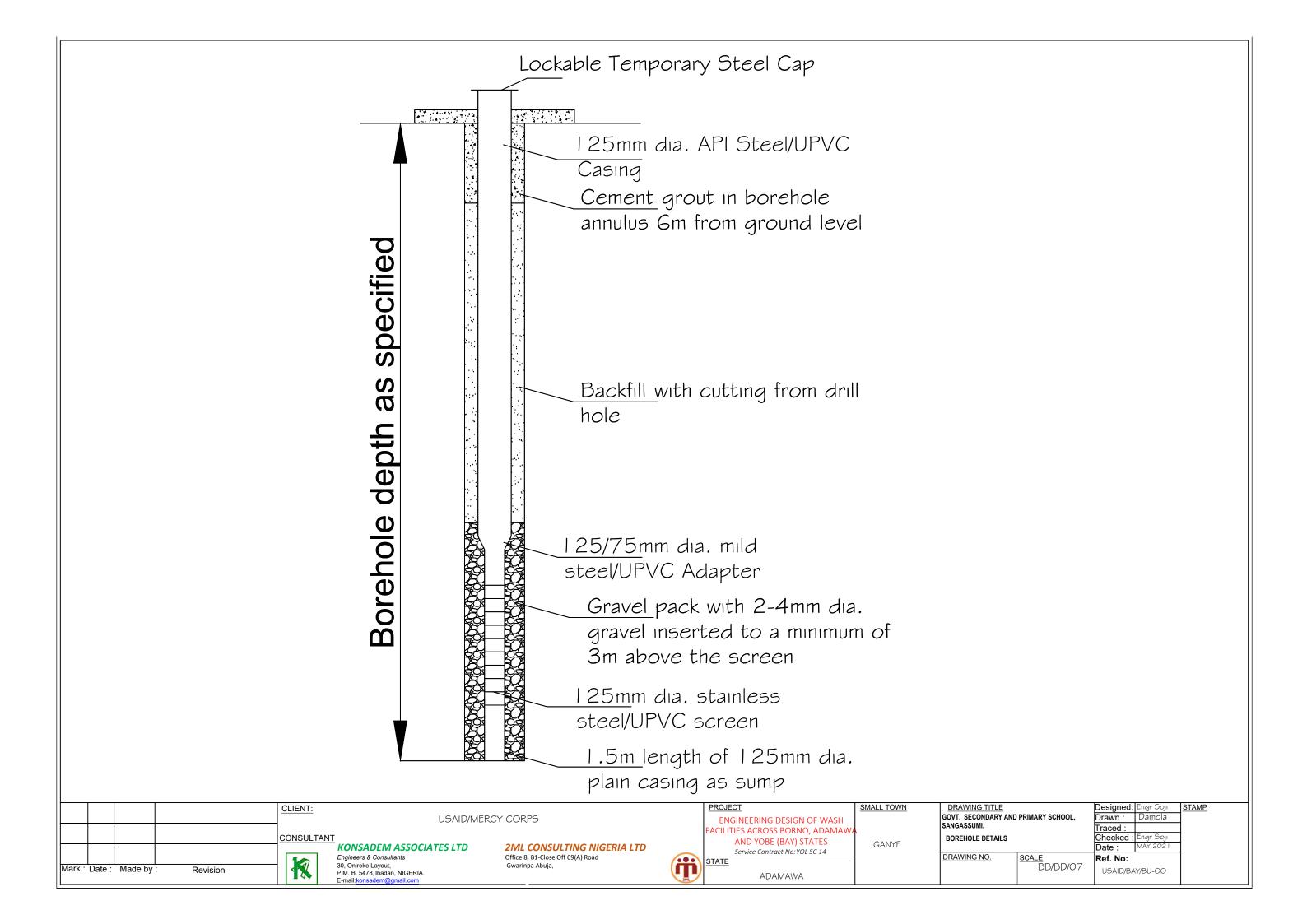
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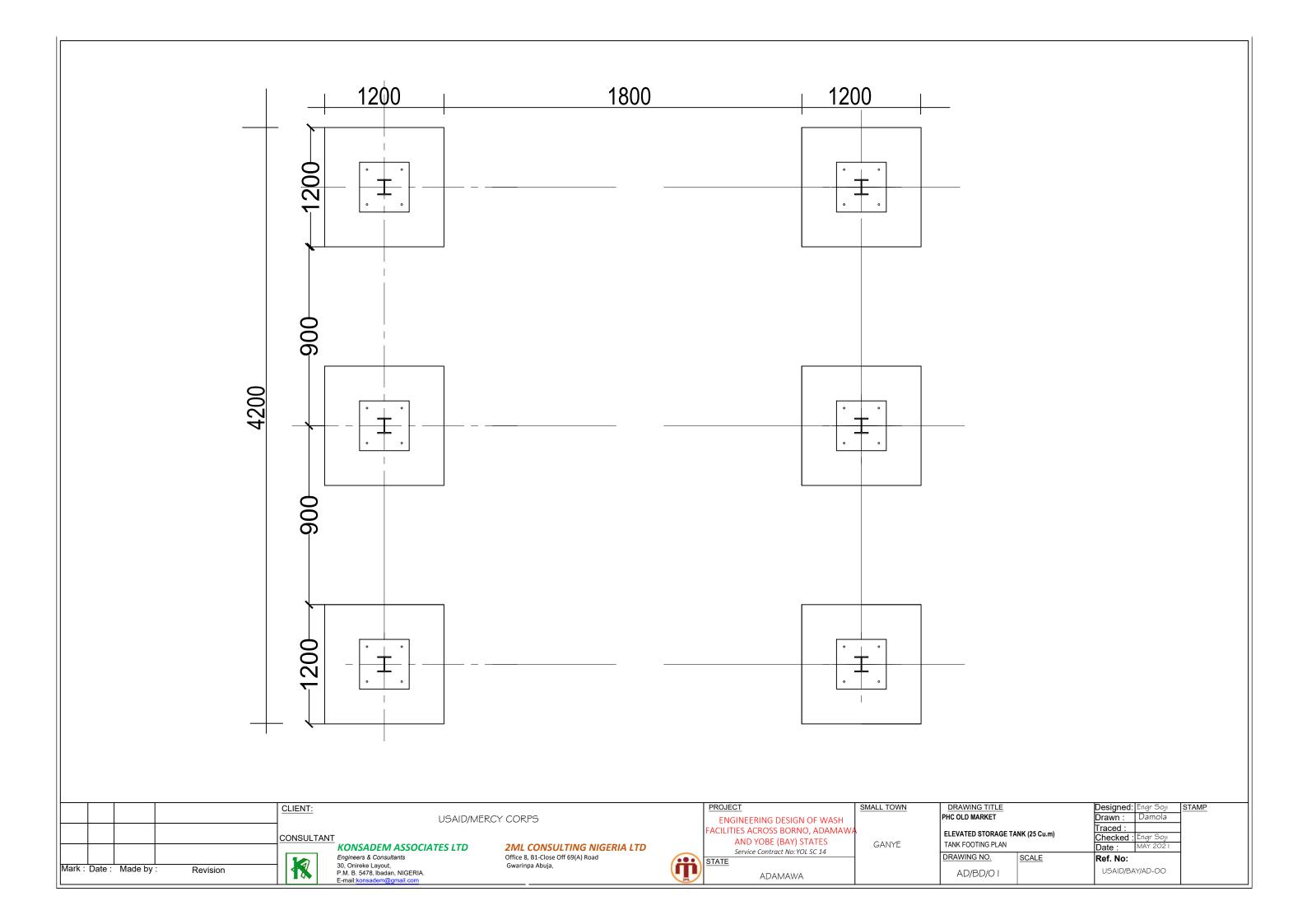
SCALE

BB/BD/OG

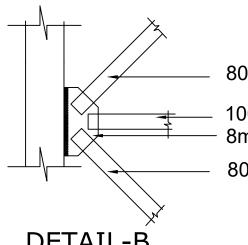
Designed: Engr Soji STAMP
Drawn: Damola
Traced:
Checked: Engr Soji
Date: MAY 2021

Ref. No:
USAID/BAY/BU-OO





NOTE: Soil bearing capacity is to be determined by contractor on site for the foundation of tower. **SOLAR PANELS** 40x40 angle iron protective frame for Solar Panel, tilited at 15 degress 5mm thick M/S plate -5mm thick M/S plate - DN 20g pipe handrail -6mm thick M/S base plate -356x171x67 U.B -DN 20g pipe handrail 12mm thick 6mm thick M/S base plate Checker plate - 356x171x67 U.B 457x152x67 U.B - 457x152x67 U.B 100mm Ø Washout Pipe 100X100x8 EA -100X100x8EA 80x80X8EA 80x80X8EA Bracing Bracing -254x254x73 U.C **−** 254x254x73 U.C B 100X100X8 EA - 100X100X8 EA 75mm Ø Inlet Pipe 150mm Ø outlet Pipe 100x100x8 EA 100mm Ø overflow Pipe 100x100x8 EA Bracing Bracing SIDE VIEW FRONT VIEW CLIENT: SMALL TOWN Designed: Engr Soji Drawn : Damola PHC OLD MARKET USAID/MERCY CORPS ENGINEERING DESIGN OF WASH Traced : ACILITIES ACROSS BORNO, ADAMAW ELEVATED STORAGE TANK 25 Cu.m) CONSULTANT Checked : Engr So AND YOBE (BAY) STATES **GANYE** TANK VIEWS AND ELEVATION KONSADEM ASSOCIATES LTD **2ML CONSULTING NIGERIA LTD** Date : Service Contract No: YOL SC 14 Engineers & Consultants Office 8, B1-Close Off 69(A) Road DRAWING NO. Ref. No: (iii 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. Gwarinpa Abuja, Mark: Date: Made by: Revision USAID/BAY/BU-OO BB/BD/02 ADAMAWA



80x80x8mm EA diagonal bracing

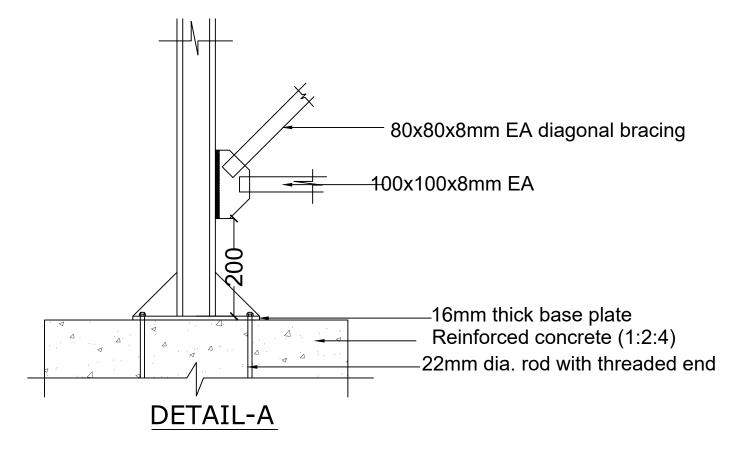
100x100x8mm EA 8mm Gusset Plate welded to stanchion

80x80x8mm EA diagonal bracing

DETAIL-B

DETAIL-C





CLIENT: Mark: Date: Made by:

USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD

Engineers & Consultants 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. **2ML CONSULTING NIGERIA LTD** Office 8, B1-Close Off 69(A) Road

ENGINEERING DESIGN OF WASH ACILITIES ACROSS BORNO, ADAMAW AND YOBE (BAY) STATES Service Contract No: YOL SC 14

GANYE

SMALL TOWN

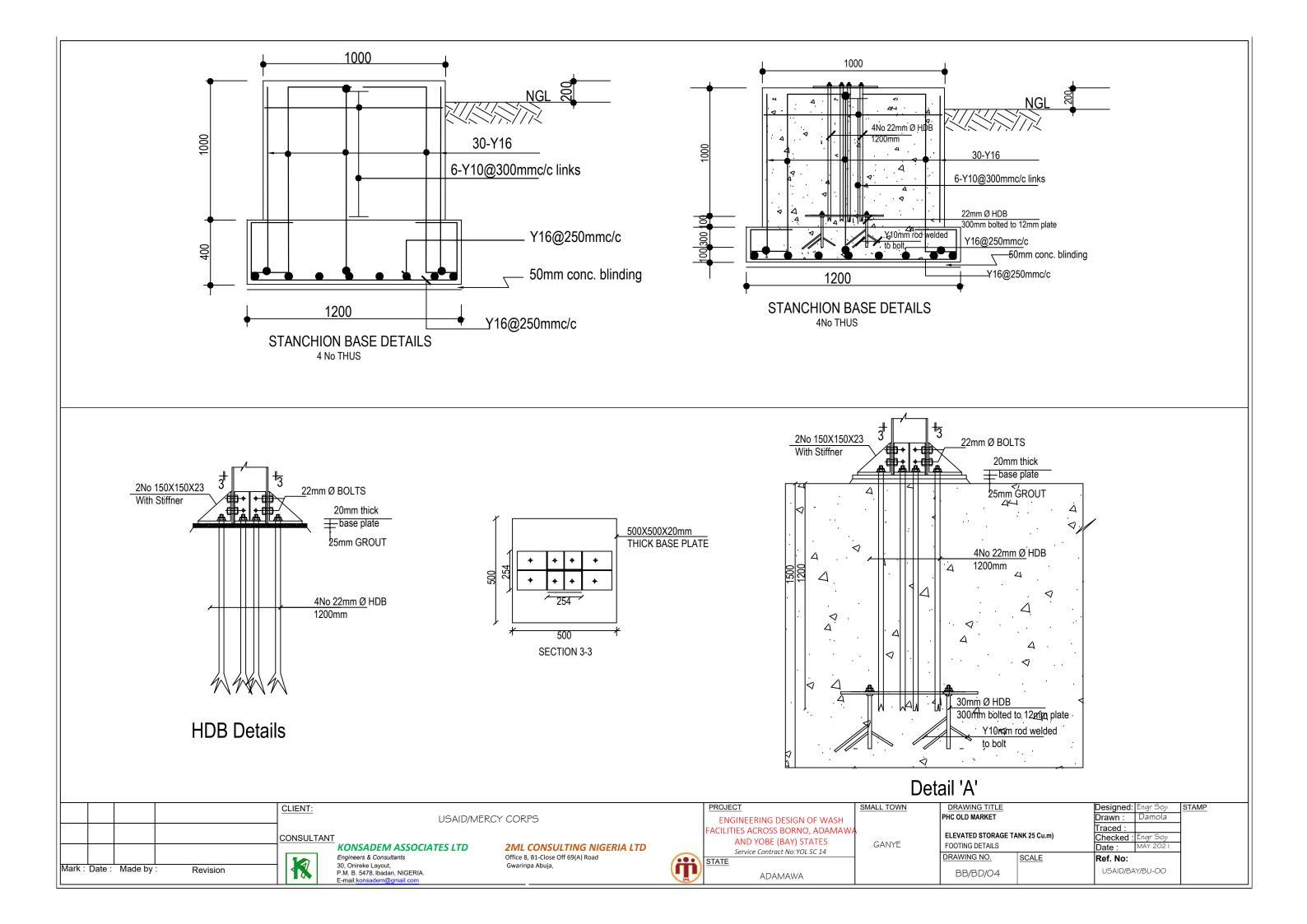
DRAWING TITLE
PHC OLD MARKET ELEVATED STORAGE TANK 25 Cu.m) TANK DETAILS DRAWING NO. SCALE

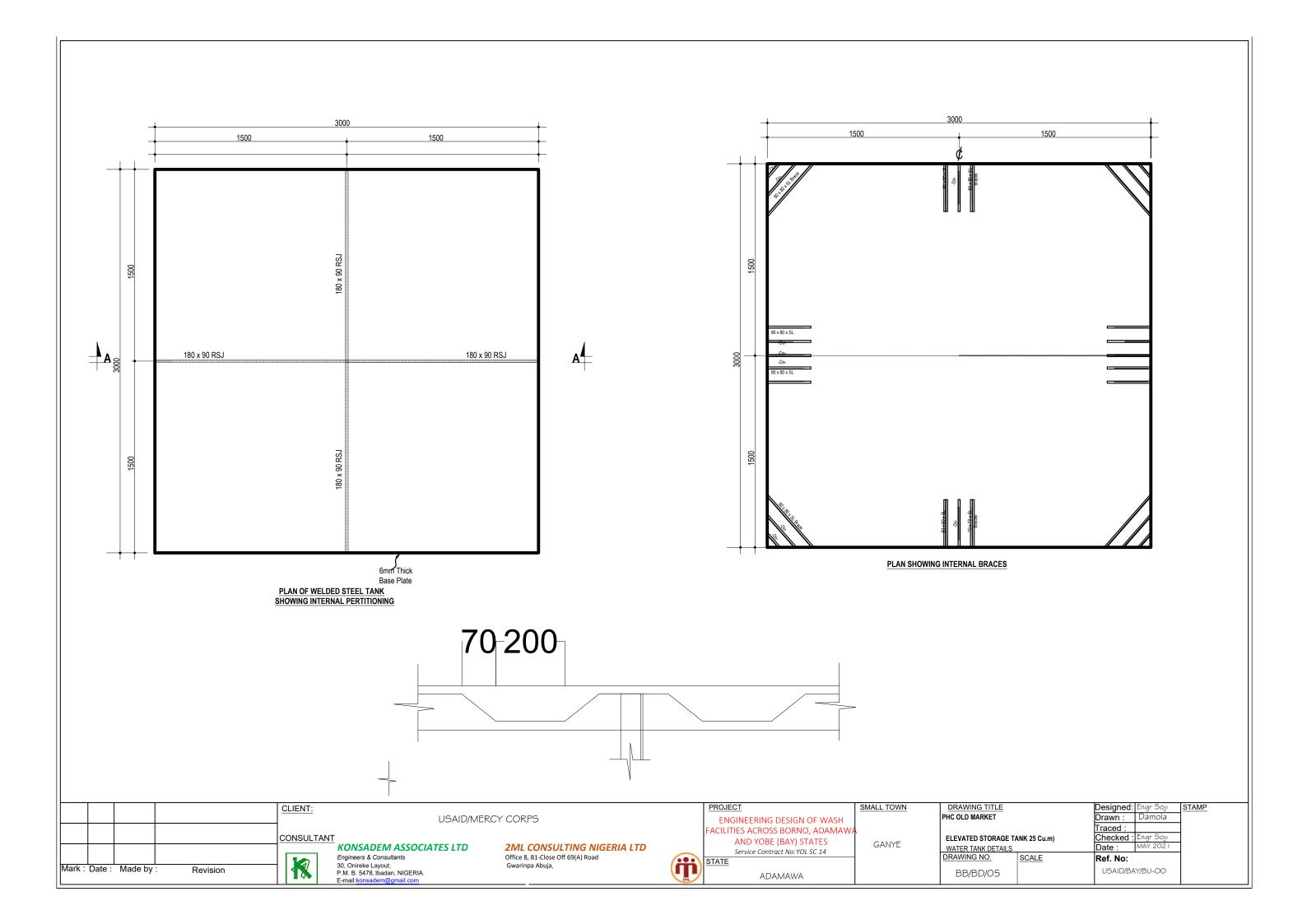
BB/BD/03

Designed: Engr Soji Drawn : Damola Traced : Checked : Engr So Ref. No:

USAID/BAY/BU-OO

(iii ADAMAWA

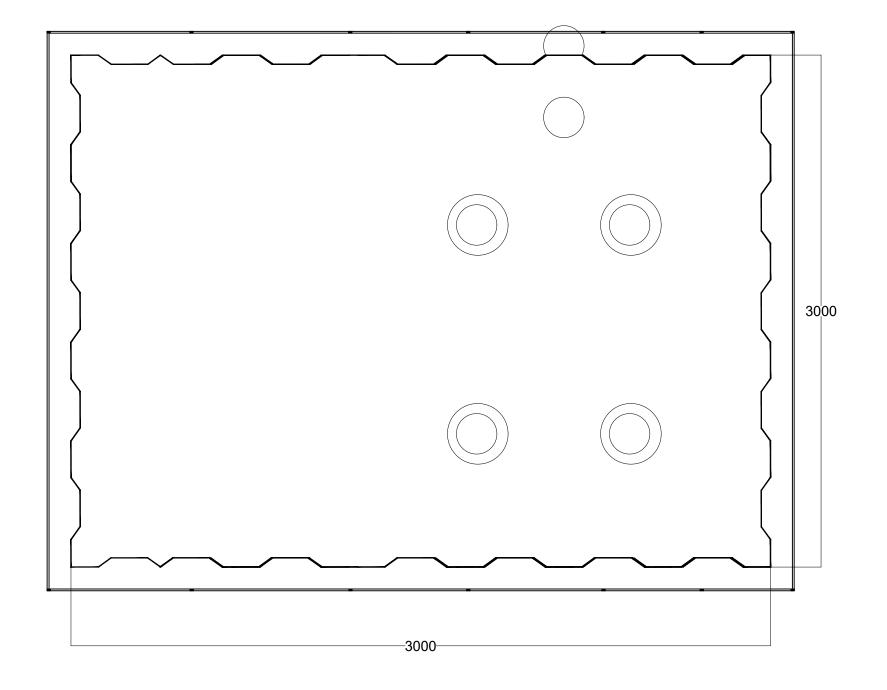


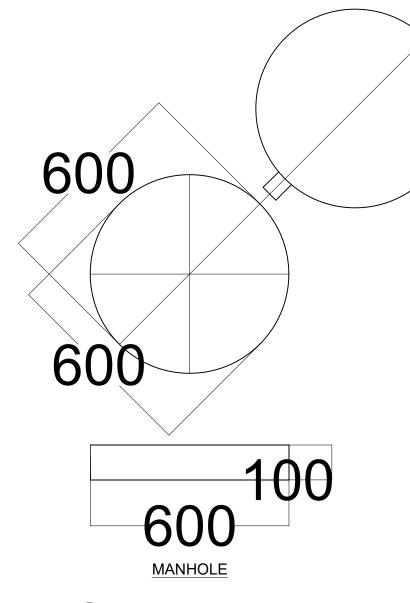


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DETAILS AT 'B'

DETAILS AT 'B'





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DRAWING TITLE

				CLIENT:	USAID/MERC	Y CORPS
Mark :	Date :	Made by	: Revision	CONSULTANT	KONSADEM ASSOCIATES LTD Engineers & Consultants 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. E-mail:konsadem@gmail.com	2ML CONSULTING NIGERIA LTD Office 8, B1-Close Off 69(A) Road Gwarinpa Abuja,

PROJECT
ENGINEERING DESIGN OF WASH
FACILITIES ACROSS BORNO, ADAMAWA
AND YOBE (BAY) STATES
Service Contract No: YOL SC 14

STATE

ADAMAWA

SMALL TOWN

GANYE

Designed: Engr Soji STAMP
Drawn: Damola
Traced:
Checked: Engr Soji
Date: MAY 2021

Ref. No:
USAID/BAY/BU-OO

