

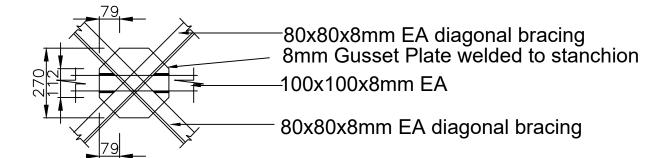
80x80x8mm EA diagonal bracing

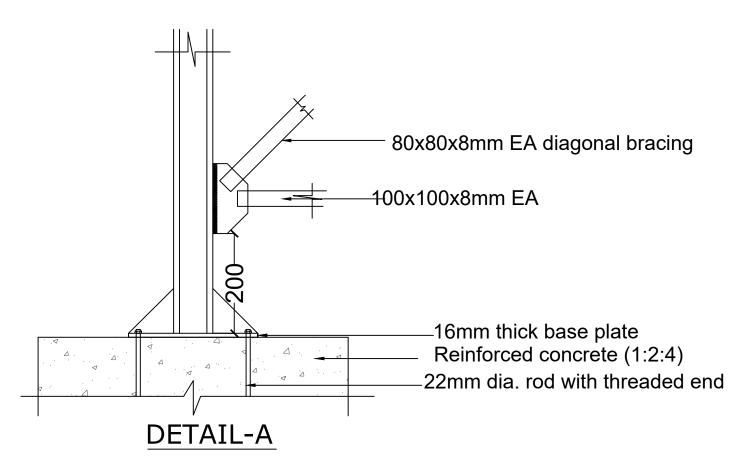
100x100x8mm EA 8mm Gusset Plate welded to stanchion

80x80x8mm EA diagonal bracing

DETAIL-B

DETAIL-C







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

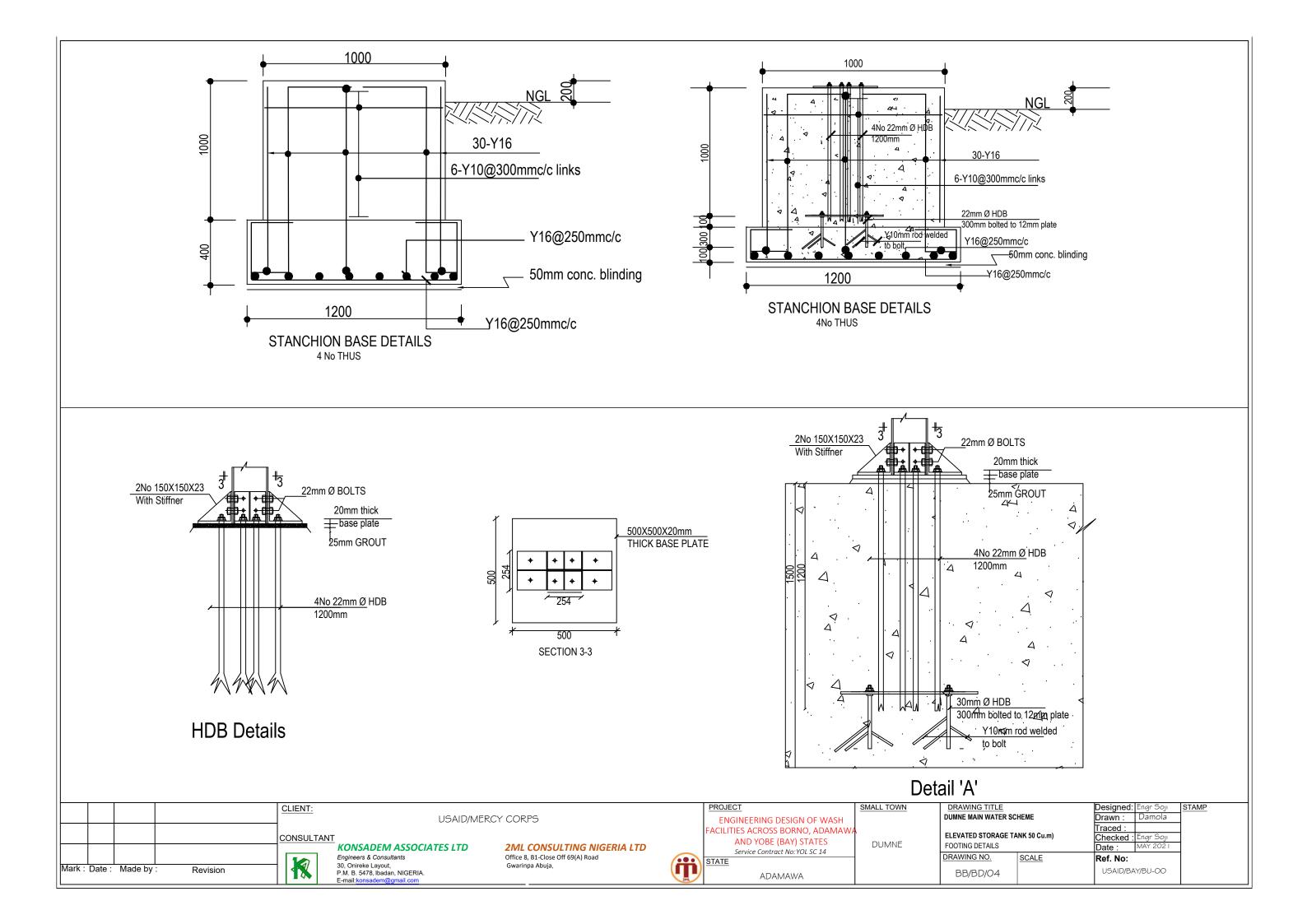
ADAMAWA

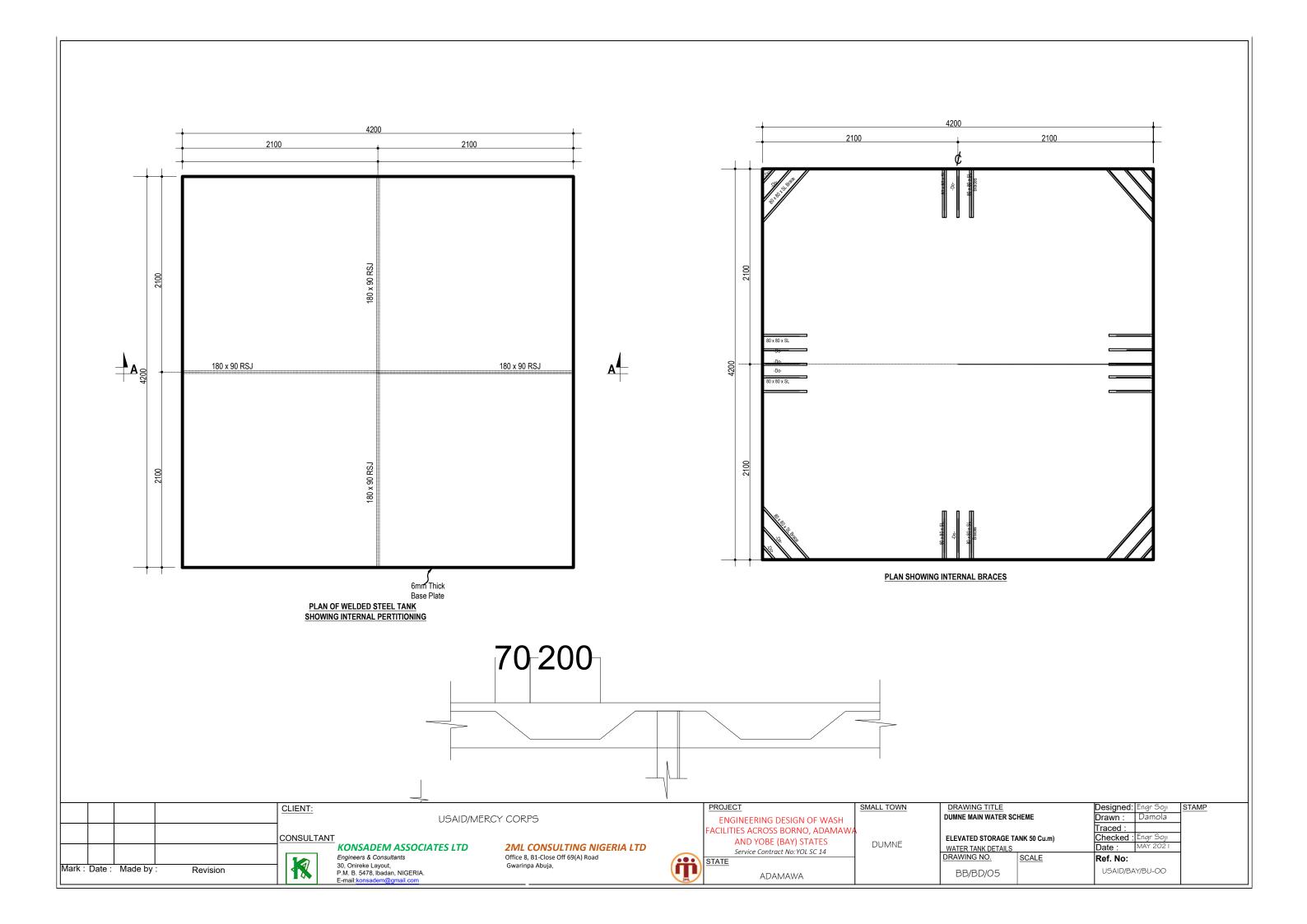
SMALL TOWN DUMNE

ELEVATED STORAGE TANK 50 Cu.m) TANK DETAILS DRAWING NO. SCALE

BB/BD/03

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

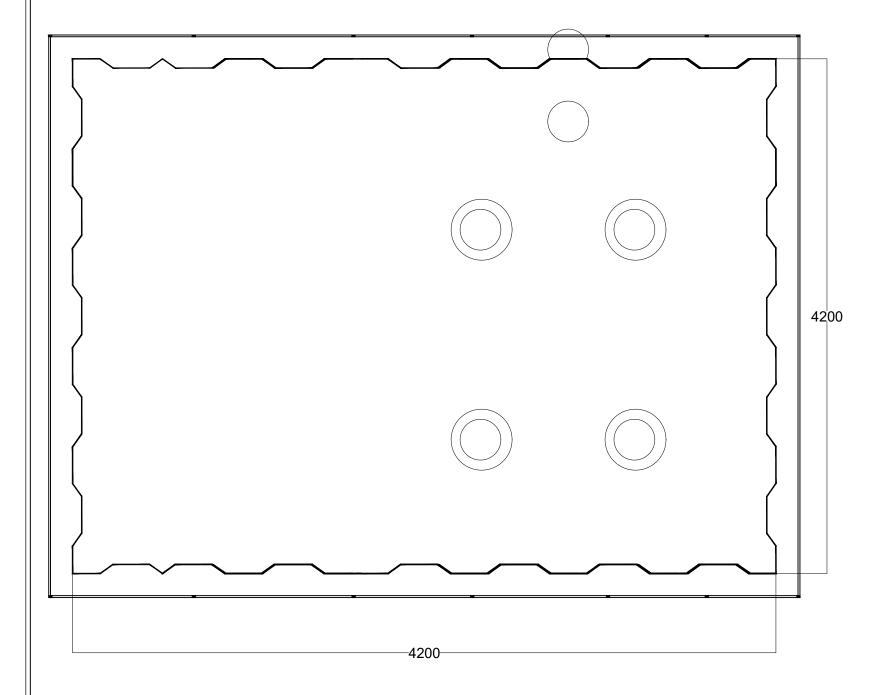


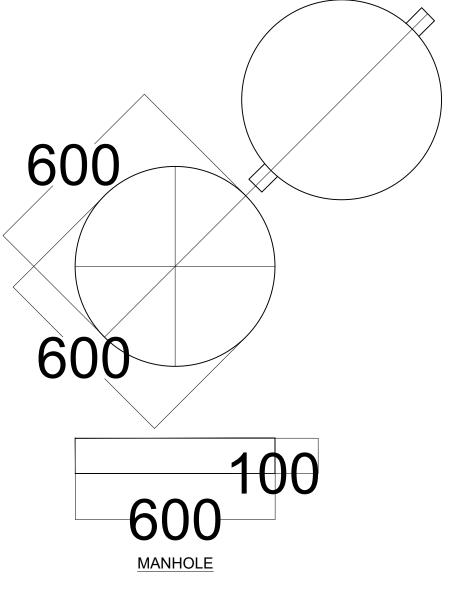


All bolts connected to gusset plates to be 16mm dia,grade 8.8

DETAILS AT 'B'

DETAILS AT 'B'





NOTES

- 1. CONCRETE GRADE = 25
- 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)

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١					CLIENT:		
						USAID/MEF	RCY CORPS
١					CONCLUTAN	T	
					CONSULTAN		2041 CONCLUTING NUCEDIA LTD
ı						KONSADEM ASSOCIATES LTD	2ML CONSULTING NIGERIA LTD
ı					1	Engineers & Consultants	Office 8, B1-Close Off 69(A) Road
	Mark :	Date :	Made by	Revision		30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA.	Gwarinpa Abuja,

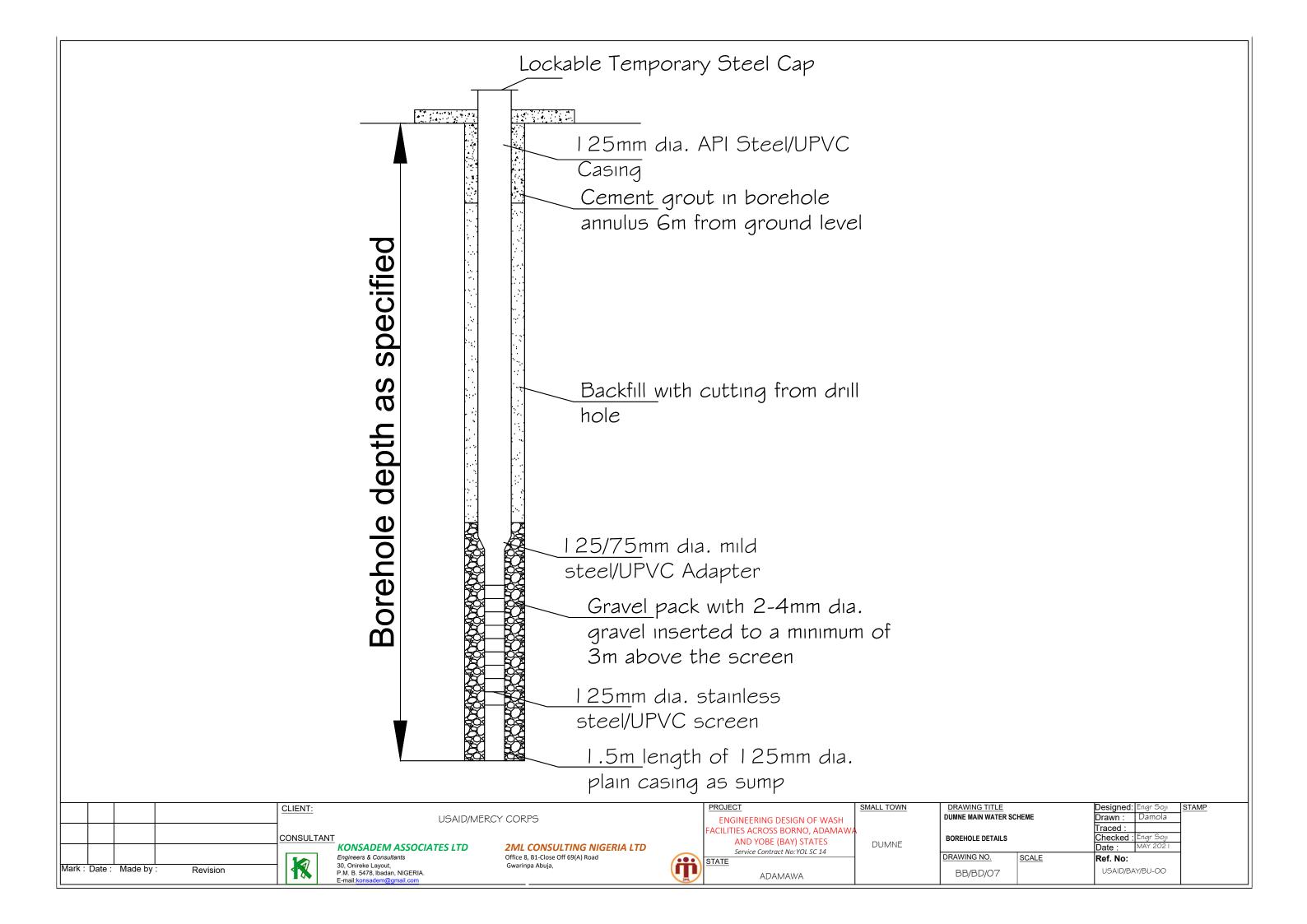
PROJECT

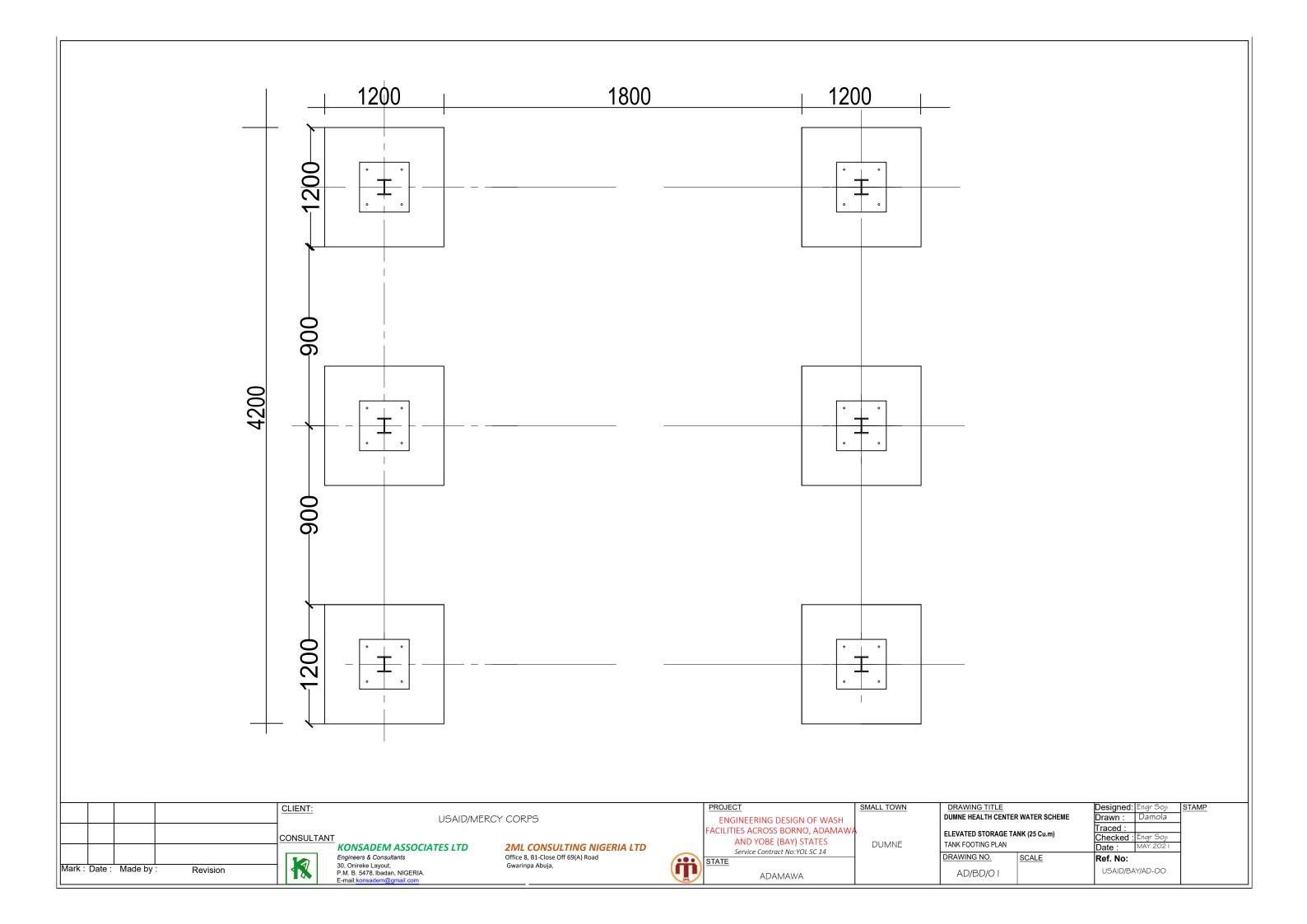
ENGINEERING DESIGN OF WASH
FACILITIES ACROSS BORNO, ADAMAWA
AND YOBE (BAY) STATES
Service Contract No:YOL SC 14

STATE

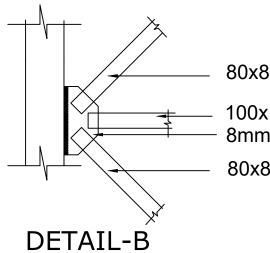
ADAMAWA

| DRAWING TITLE | Dusigned: Engr Soji | Drawn: Damola | Drawn:





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 3mm thick M/S air vent 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 Ladder and 6mm Thio Protective Guard__ -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 1750 1600 SIDE VIEW **FRONT VIEW** CLIENT: SMALL TOWN Designed: Engr Soji Drawn : Damola DUMNE HEALTH CENTER WATER SCHEME 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 DUMNE 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. (iii Ref. No: 30, Onireke Layout, P.M. B. 5478, Ibadan, NIGERIA. Gwarinpa Abuja, Mark: Date: Made by: USAID/BAY/BU-OO BB/BD/02 ADAMAWA



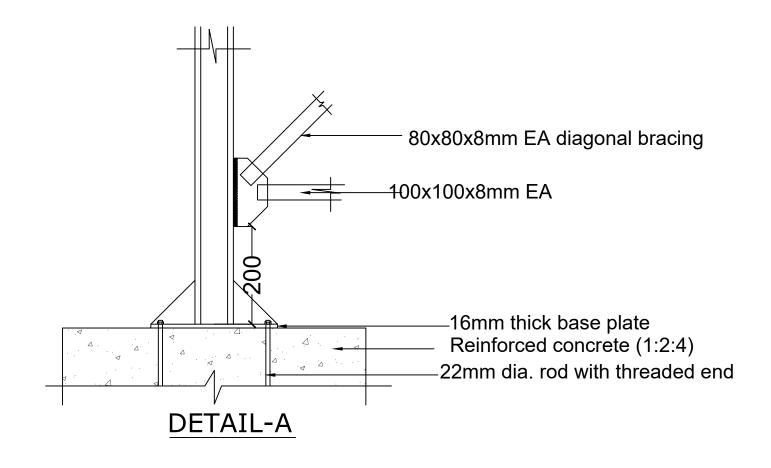
80x80x8mm EA diagonal bracing

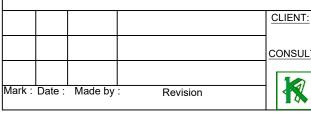
100x100x8mm EA 8mm Gusset Plate welded to stanchion

80x80x8mm EA diagonal bracing

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

DETAIL-C





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

DUMNE

SMALL TOWN

DUMNE HEALTH CENTER WATER SCHEME ELEVATED STORAGE TANK 25 Cu.m) TANK DETAILS

SCALE

DRAWING NO.

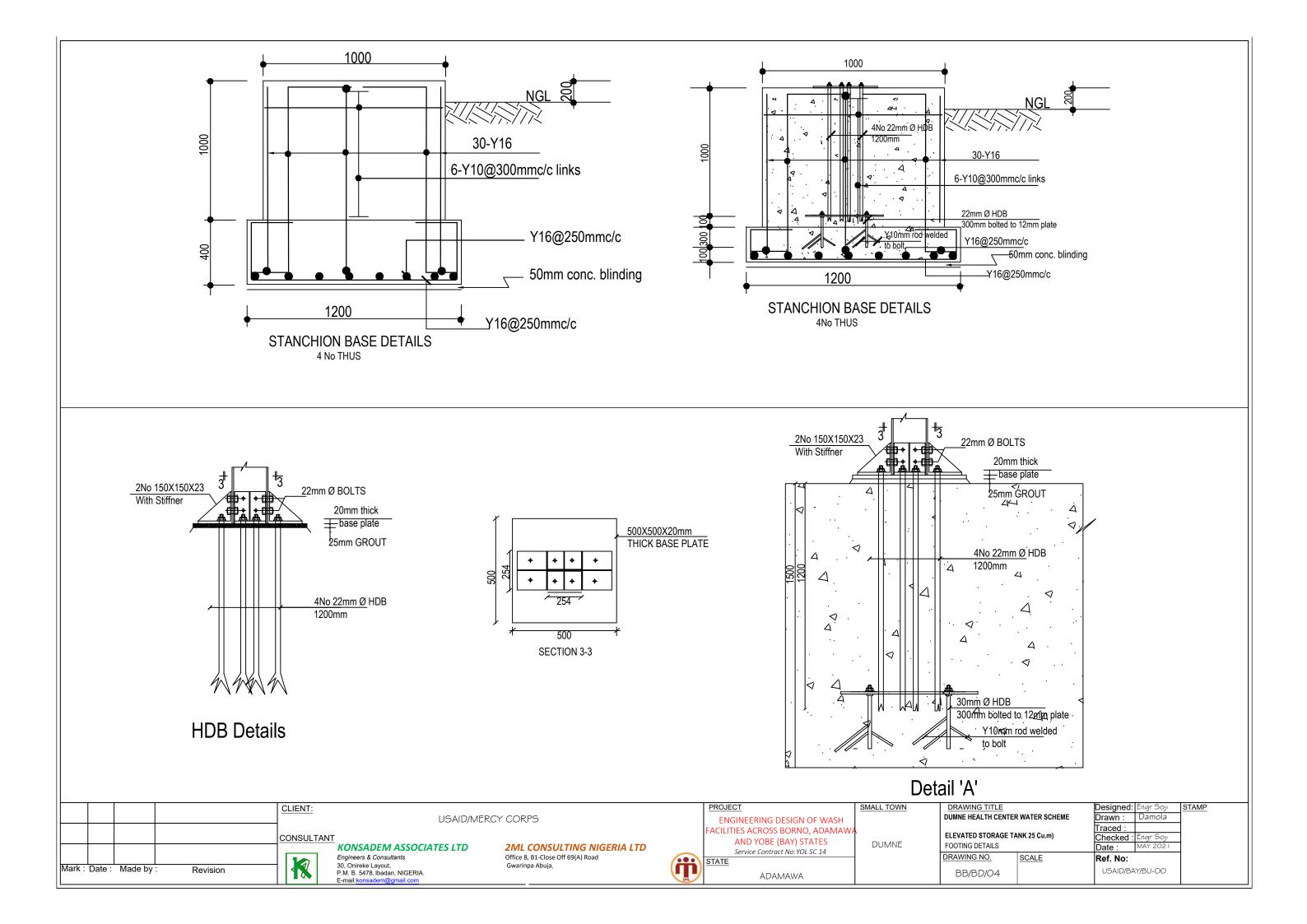
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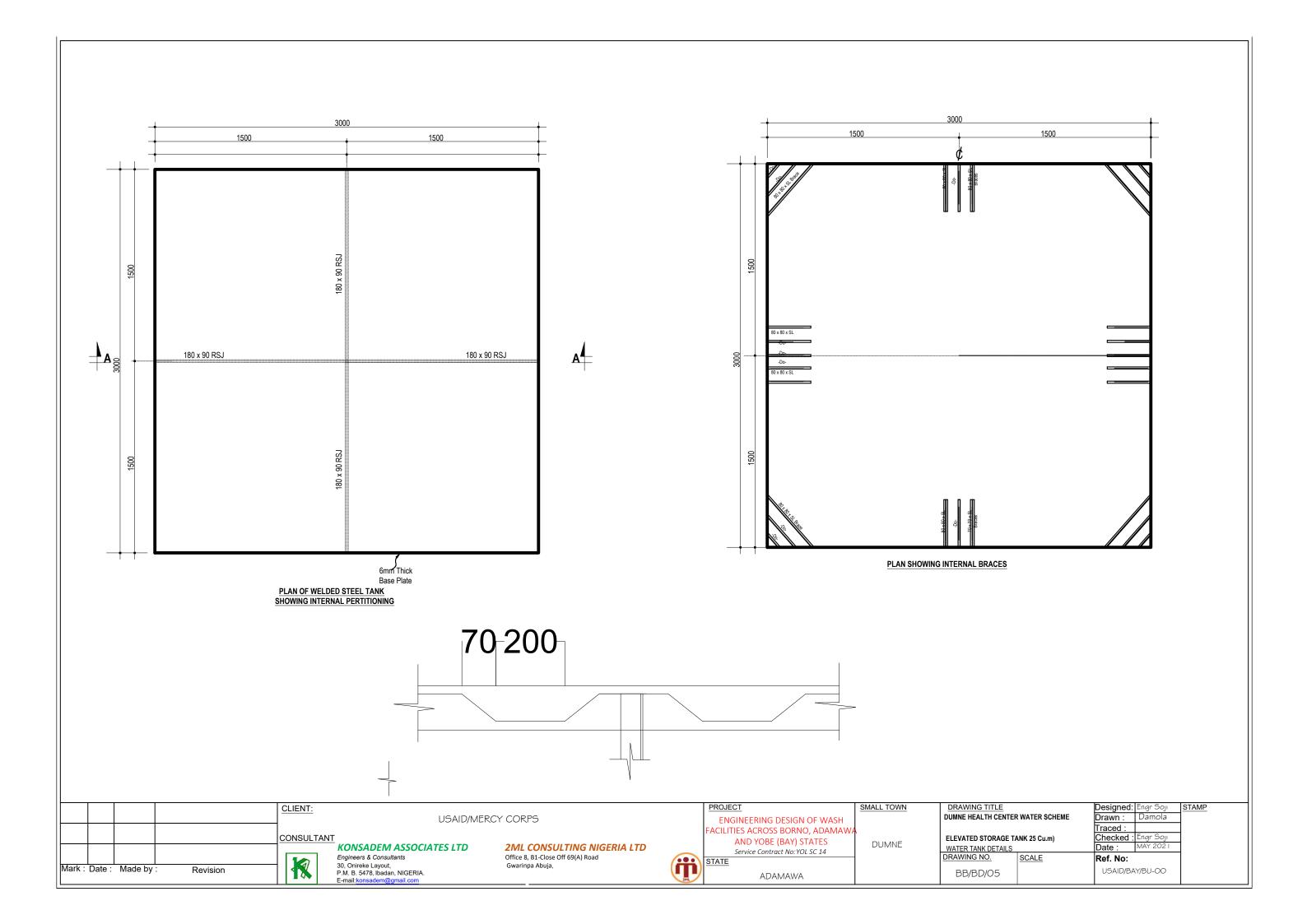
Designed: Engr Soji Drawn : Damola Traced : Checked : Engr Sc Ref. No:

USAID/BAY/BU-OO

(iii

ADAMAWA

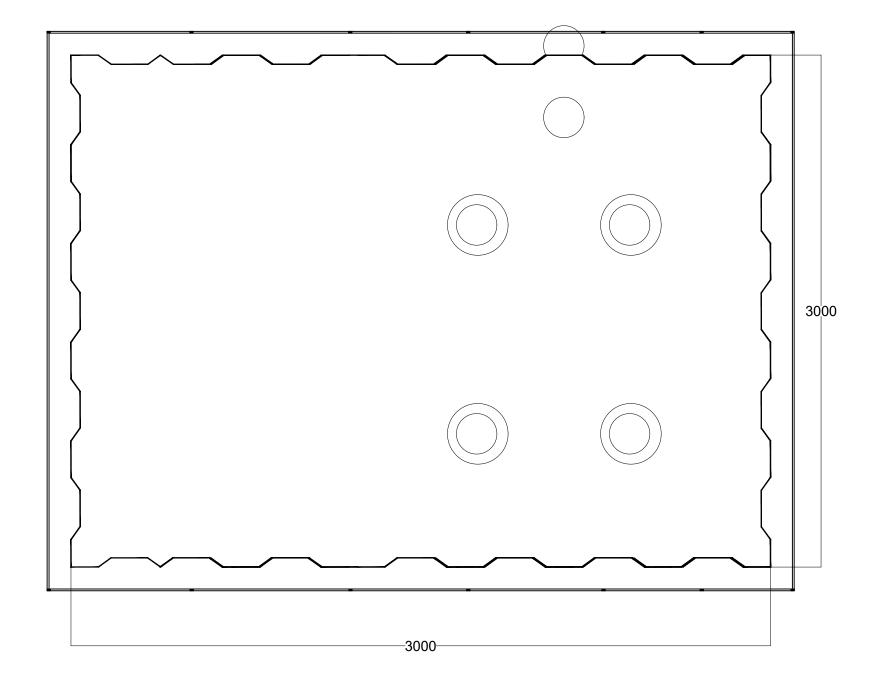


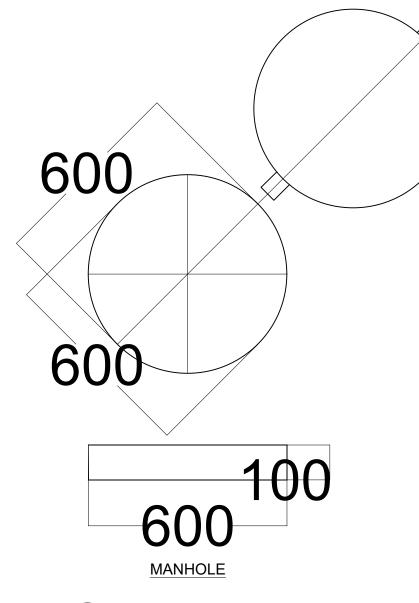


All bolts connected to gusset plates to be 16mm dia,grade 8.8

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:
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USAID/MERCY CORPS

KONSADEM ASSOCIATES LTD

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

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Gwarinpa Abuja,



DUMNE

SMALL TOWN

DUMNE HEALTH CENTER WATER SCHEME

ELEVATED STORAGE TANK 25 Cu.m)

WATER TANK DETAILS

DRAWING NO. SCALE

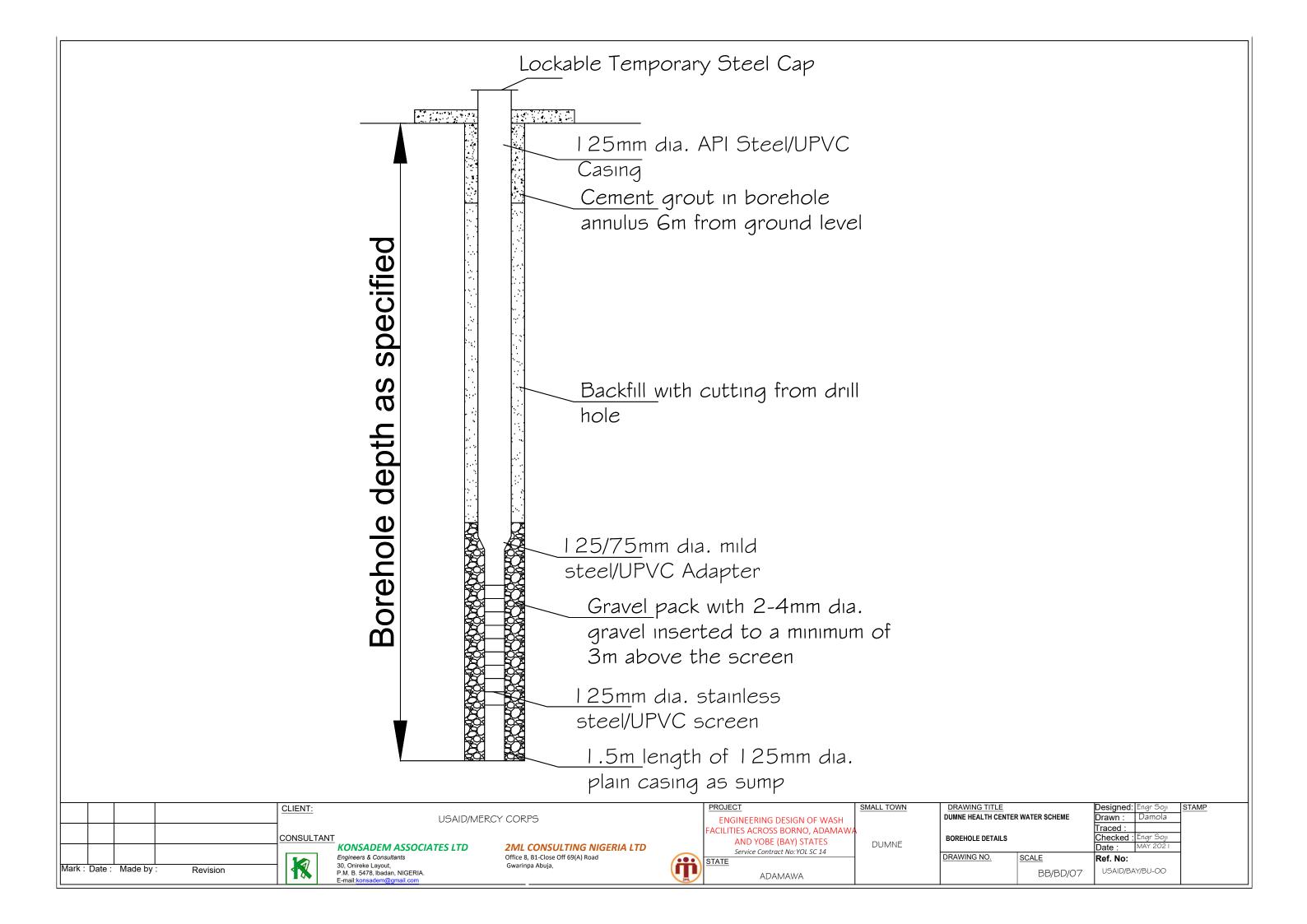
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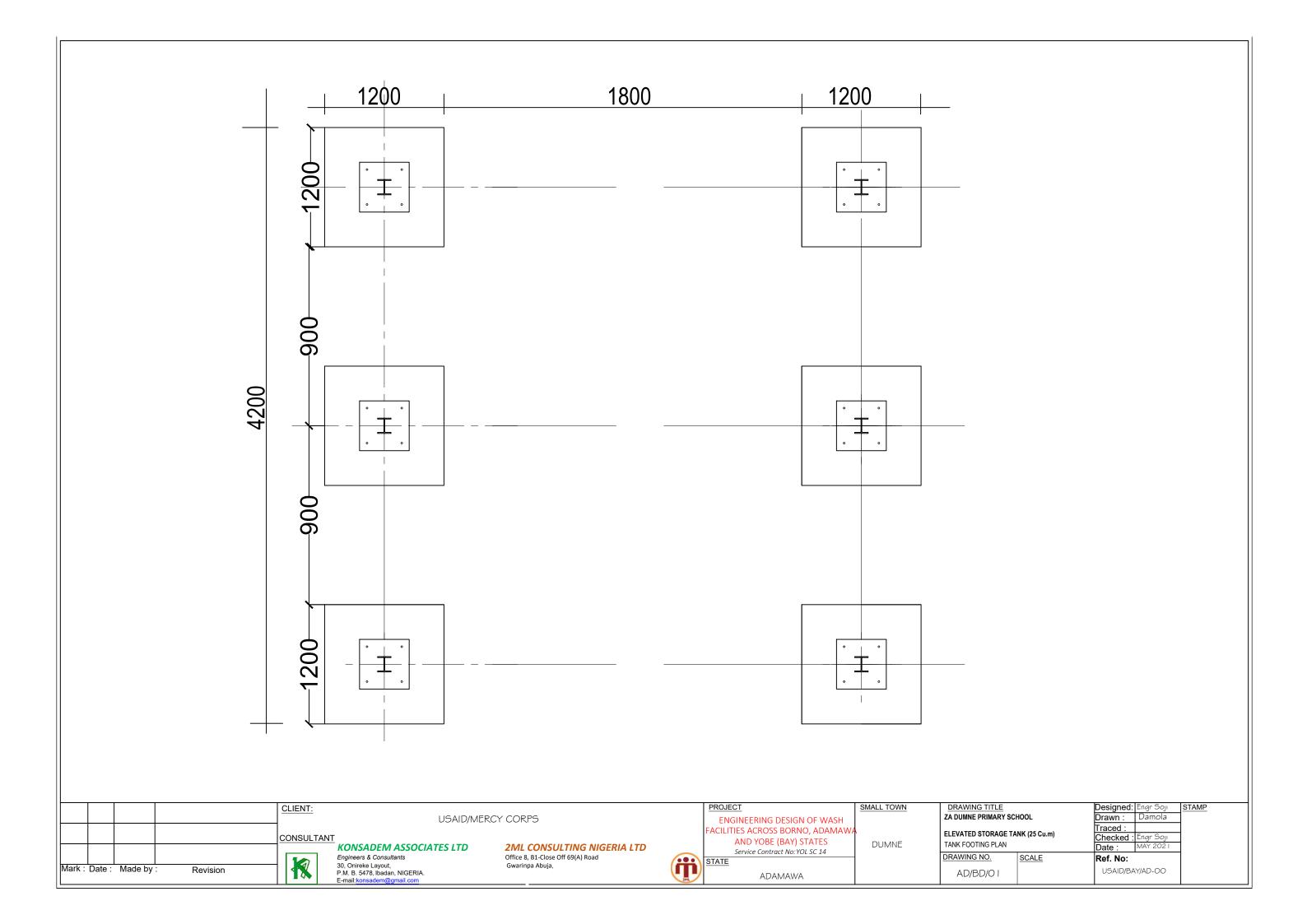
Designed: Engr Soji STAM

Drawn: Damola

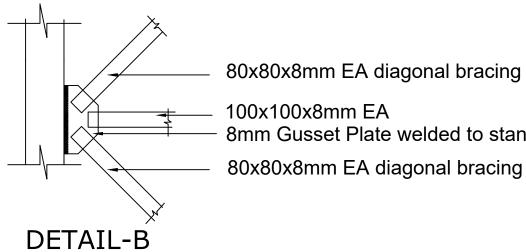
Traced:
Checked: Engr Soji
Date: MAY 2021

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 Checker plate 457x152x67 U.B 100mm Ø Washout Pipe Ladder and 6mm Thio 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 1111111111 1750 600 SIDE VIEW **FRONT VIEW** CLIENT: SMALL TOWN Designed: Engr Soji Drawn : Damola 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 DUMNE 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

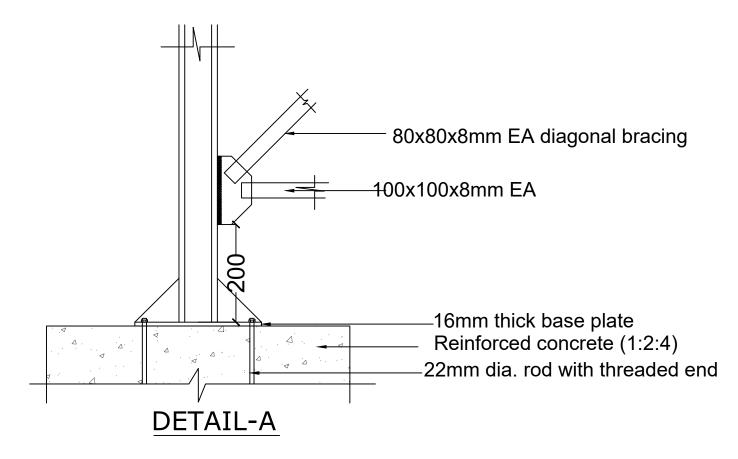


DETAIL-C

80x80x8mm EA diagonal bracing

100x100x8mm EA 8mm Gusset Plate welded to stanchion







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

SMALL TOWN DUMNE

ELEVATED STORAGE TANK 25 Cu.m) TANK DETAILS

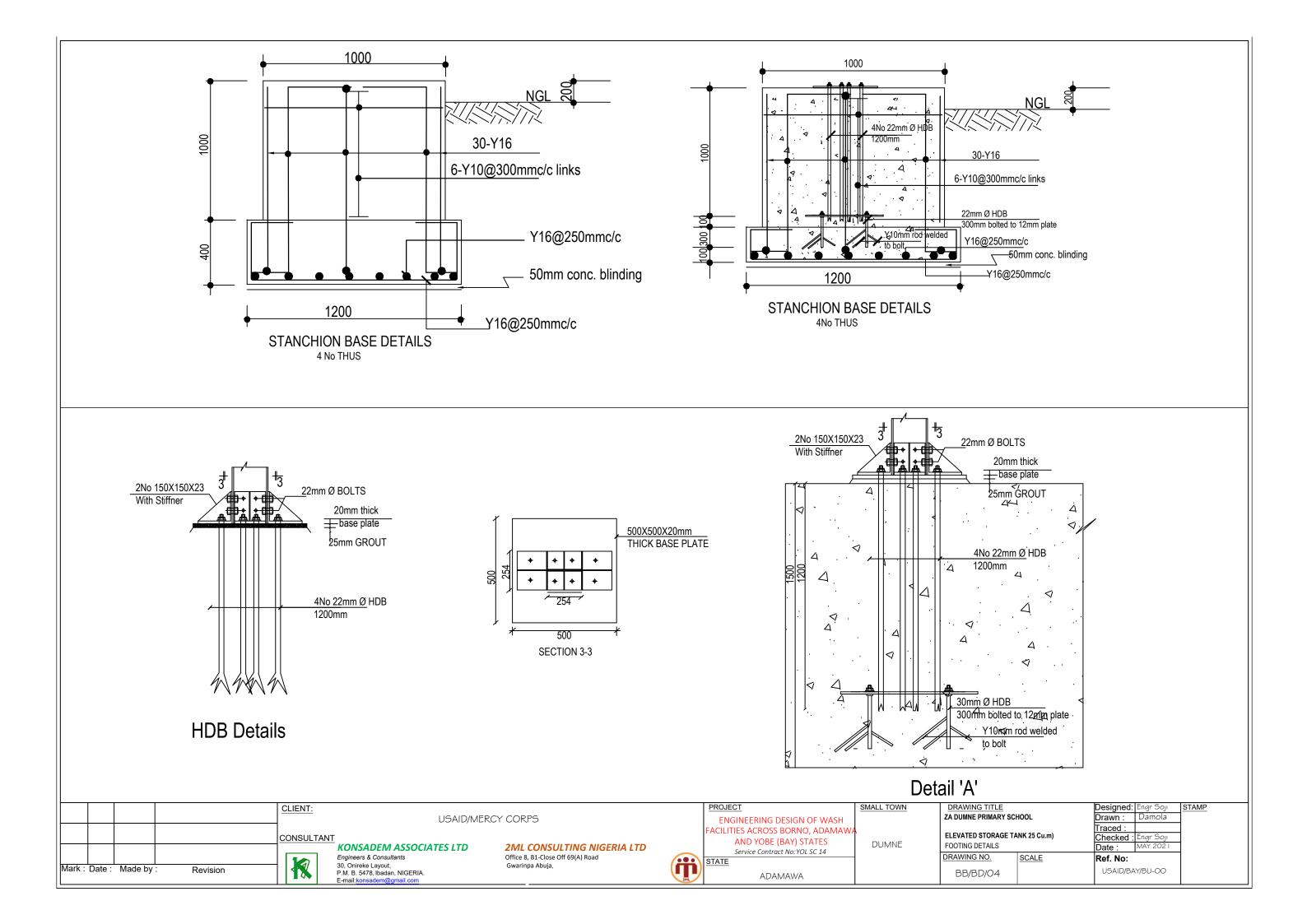
SCALE

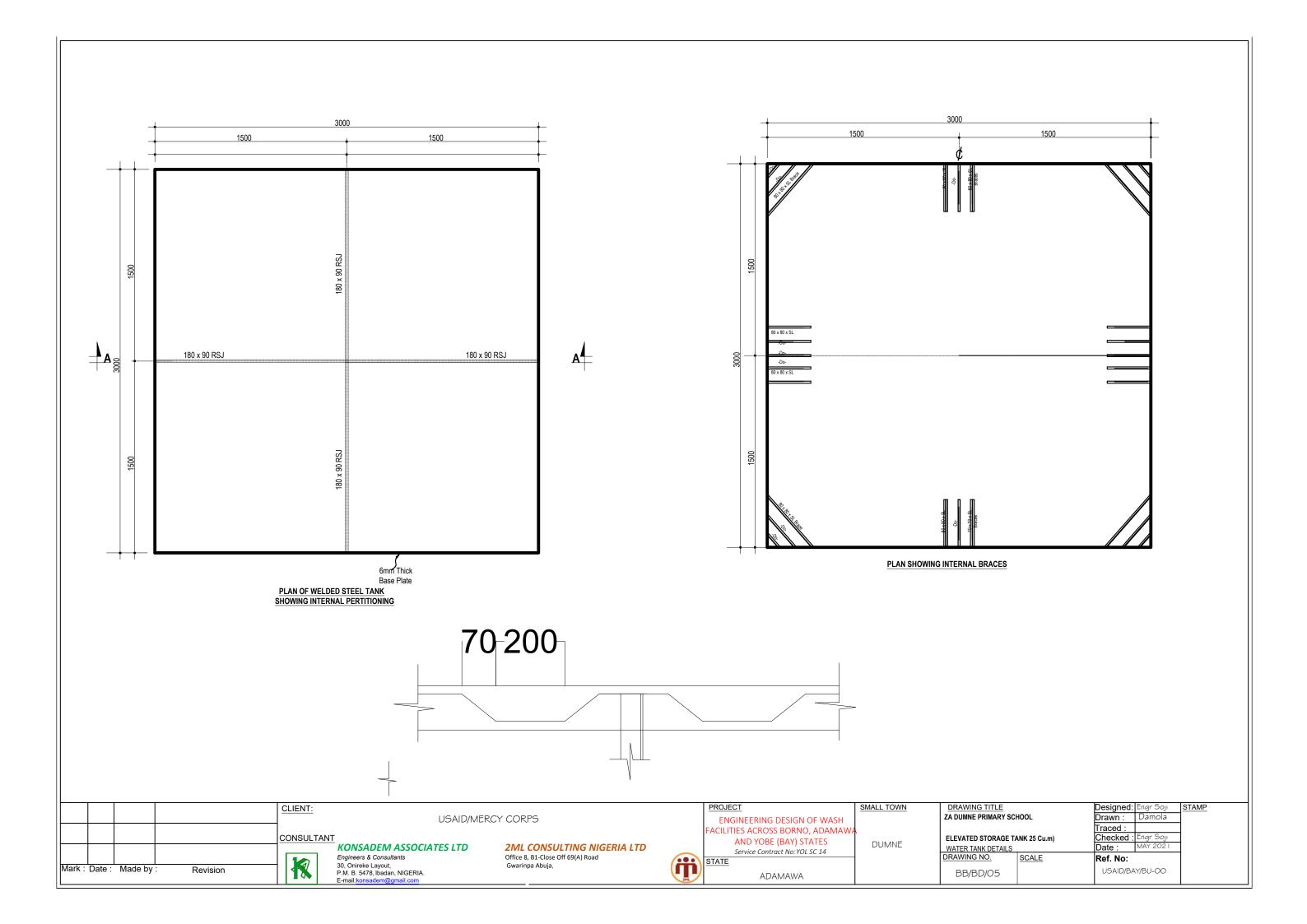
DRAWING NO.

BB/BD/03

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

(iii ADAMAWA

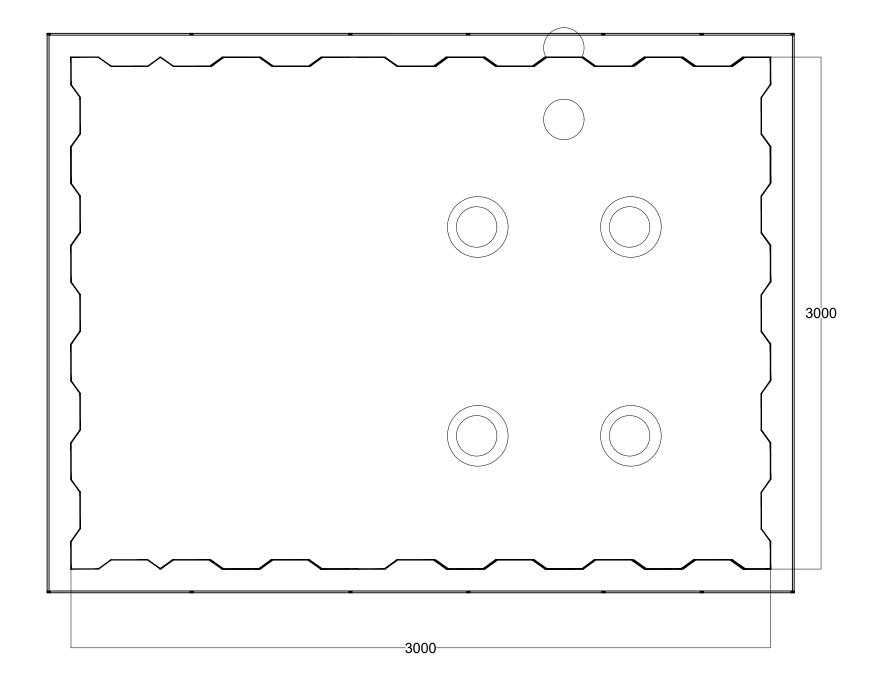


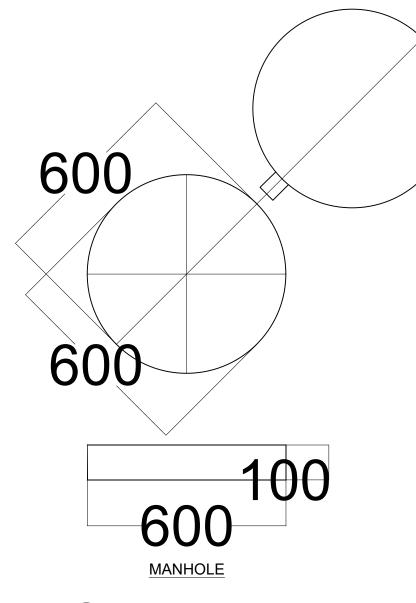


All bolts connected to gusset plates to be 16mm dia,grade 8.8

DETAILS AT 'B'

DETAILS AT 'B'





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				CLIENT:
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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
Gwarinpa Abuja,



DUMNE

SMALL TOWN

DRAWING TITLE
ZA DUMNE PRIMARY SCHOOL

ELEVATED STORAGE TANK 25 Cu.m)
WATER TANK DETAILS

DRAWING NO. SCALE

BB/BD/06

