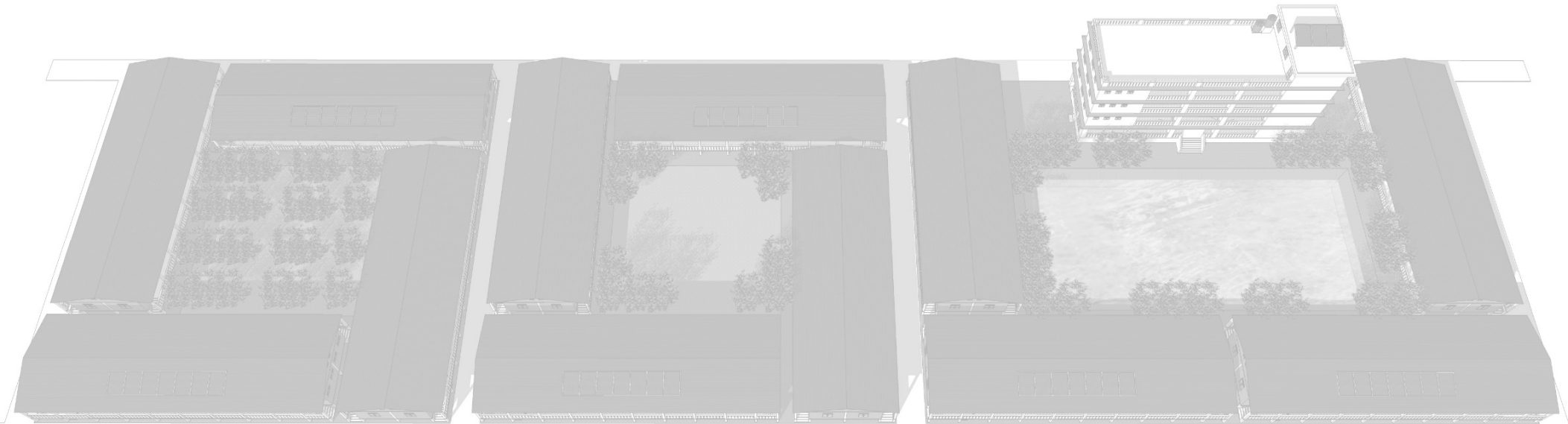


PRESENTATION ON BHASHAN CHAR REHABILITATION PLAN BANGLADESH.

PRESENTED BY
AHMED MUKTA
B.Arch; C.Build E FCABE; P.Eng (UK) MSPE
TEAM LEADER
MUKTA DINWIDDIE MACLAREN ARCHITECTS
IN ASSOCIATION WITH HR WALLING FORD.

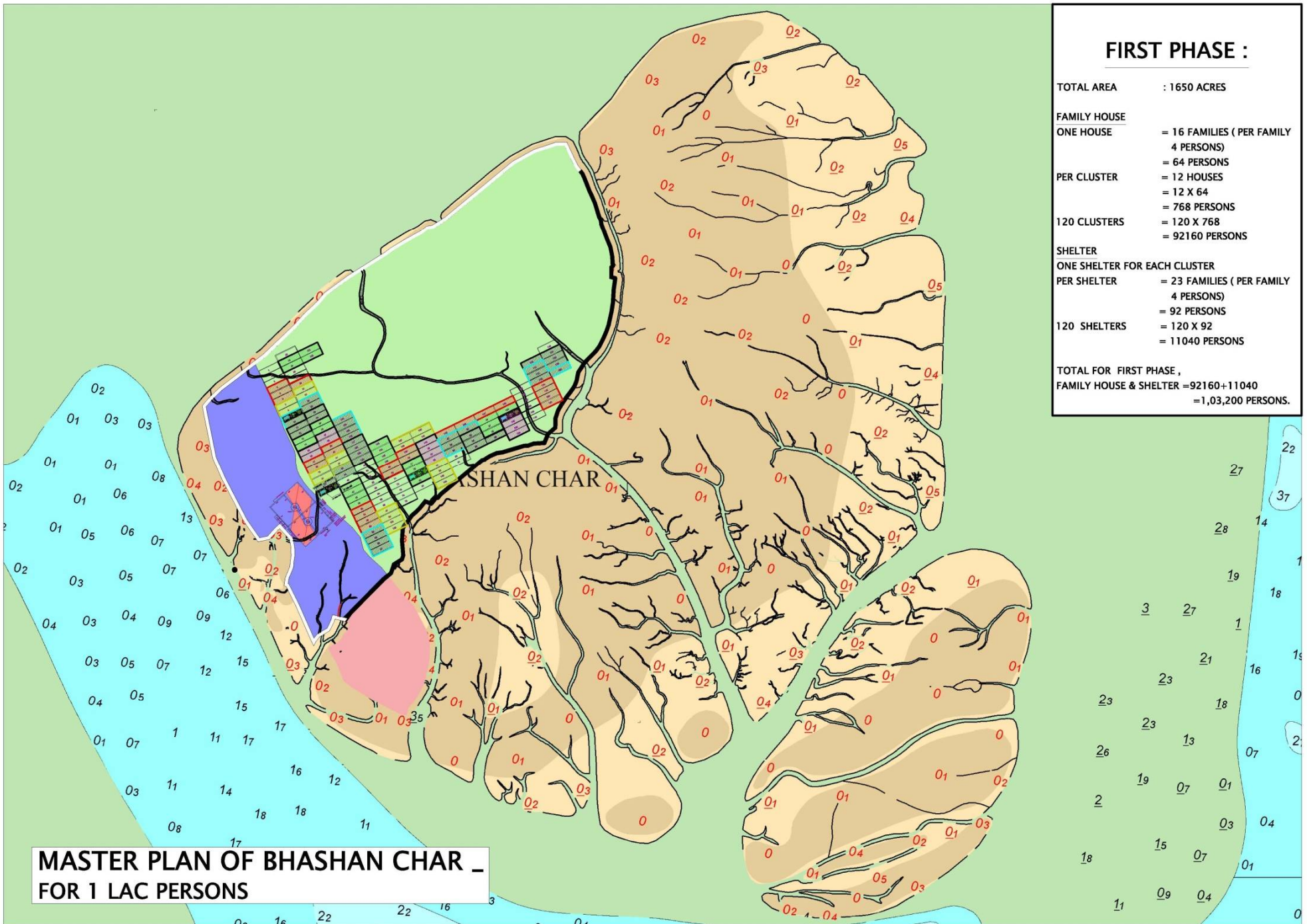
Developer: Atlanta Housing Ltd



Mukta
Dinwiddie
MacLaren



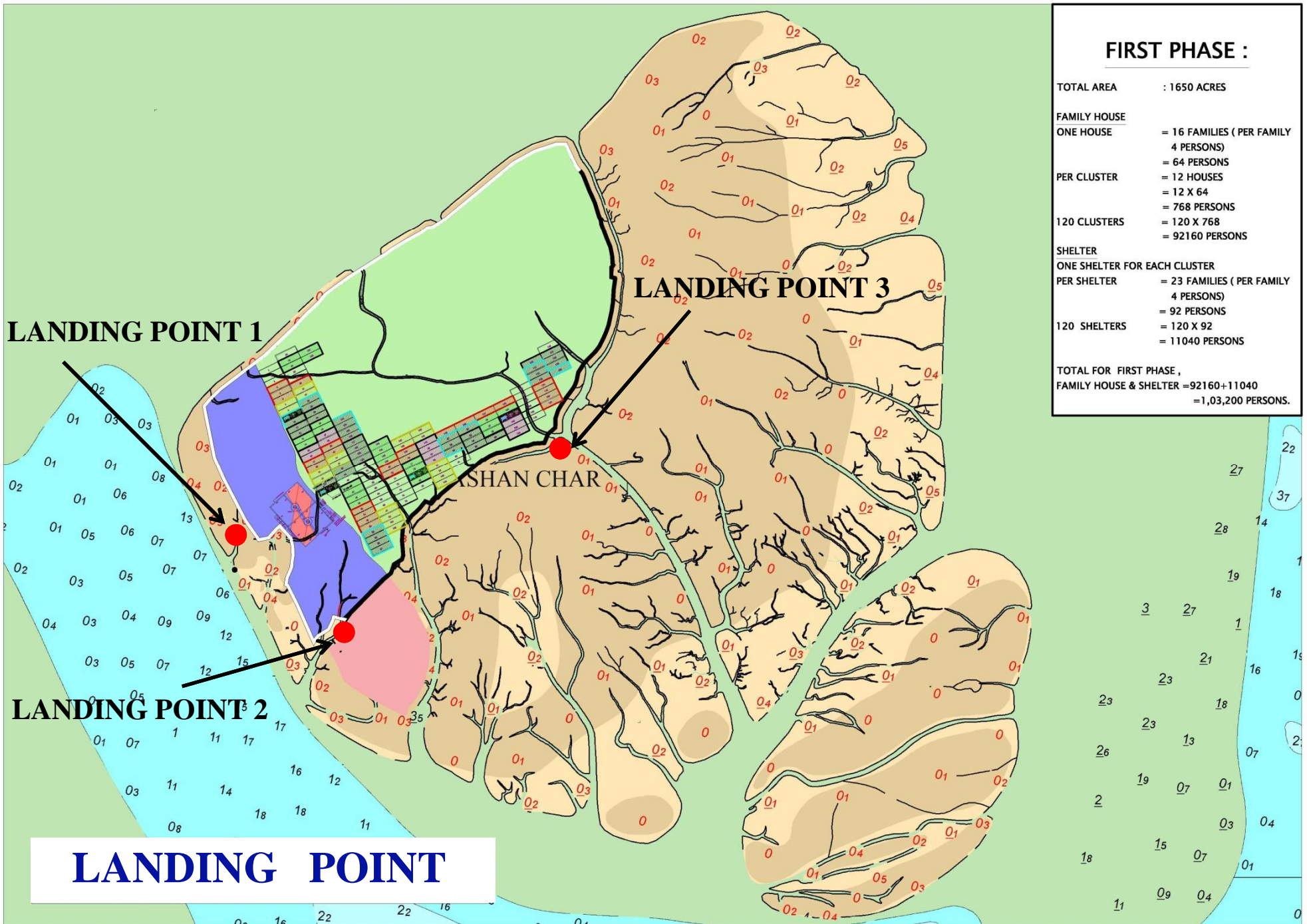
SITE PICTURES



**MASTER PLAN OF BHASHAN CHAR _
FOR 1 LAC PERSONS**

FIRST PHASE :

TOTAL AREA	: 1650 ACRES
FAMILY HOUSE	
ONE HOUSE	= 16 FAMILIES (PER FAMILY 4 PERSONS) = 64 PERSONS
PER CLUSTER	= 12 HOUSES = 12 X 64 = 768 PERSONS
120 CLUSTERS	= 120 X 768 = 92160 PERSONS
SHELTER	
ONE SHELTER FOR EACH CLUSTER	
PER SHELTER	= 23 FAMILIES (PER FAMILY 4 PERSONS) = 92 PERSONS
120 SHELTERS	= 120 X 92 = 11040 PERSONS
TOTAL FOR FIRST PHASE , FAMILY HOUSE & SHELTER =92160+11040 =1,03,200 PERSONS.	



FIRST PHASE :

TOTAL AREA	: 1650 ACRES
FAMILY HOUSE	
ONE HOUSE	= 16 FAMILIES (PER FAMILY 4 PERSONS)
	= 64 PERSONS
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	= 92160 PERSONS
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ONE SHELTER FOR EACH CLUSTER	
PER SHELTER	= 23 FAMILIES (PER FAMILY 4 PERSONS)
	= 92 PERSONS
120 SHELTERS	= 120 X 92
	= 11040 PERSONS
TOTAL FOR FIRST PHASE ,	
FAMILY HOUSE & SHELTER =92160+11040	
=1,03,200 PERSONS.	

LANDING POINT 1

LANDING POINT 3

LANDING POINT 2

LANDING POINT

ASHAN CHAR



FAMILY HOUSES CLUSTER PLAN



BLOW UP

MUKTA DINWIDDIE MACLAREN

ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO-33-A, ROAD NO-89,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 8882048 FAX: 8802 8865004
E-mail: mdm@bel-online.com

LONDON OFFICE:
ARTHUR'S MISSION 30, SNOWSFIELDS
LONDON SE1 3SL, UNITED KINGDOM.
TEL: 0207 403 8800 FAX: 0207 376 0378
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PROJECT:
BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
AHMED MUKTA
B.Arch, FB Eng (UK), P. Eng (UK) MSPE

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B. Sc. Engg (Civil), MIEB-27824

CHECKED & CERTIFIED BY:
Engr. MD. ALI SHAMSUR RAHMAN
B. Sc. Engg. (Civil), MIEB-22178

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CLUSTER OF FAMILY HOUSES & SHELTER

FAMILY HOUSE

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DINWIDDIE
MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO-33-A, ROAD NO-88,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL. 882 882048 FAX. 882 886504
E-mail: mdm@bol-online.com

LONDON OFFICE:
ARTHUR'S MISSION 30, SNOWFIELDS
LONDON SE1 3SU, UNITED KINGDOM.
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PROJECT:
BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
AHMED MUKTA
B.Arch, FE Eng (UK), P. Eng (UK) MSPE

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B. Sc. Engg (Civil), MIEB-27824

CHECKED & CERTIFIED BY:
Engr. MD. ALI SHAMSUR RAHMAN
B. Sc. Engg. (Civil), MIEB-22178

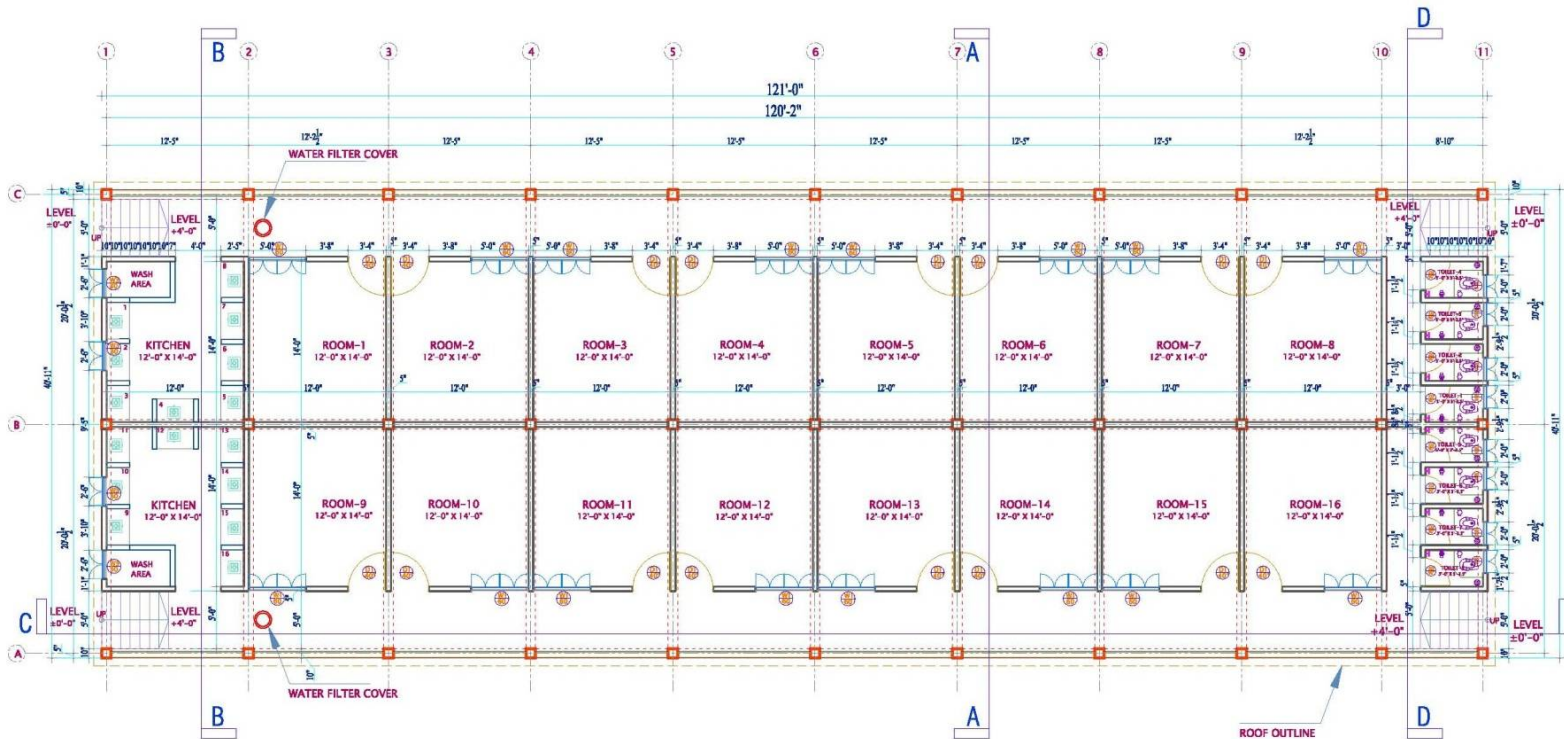
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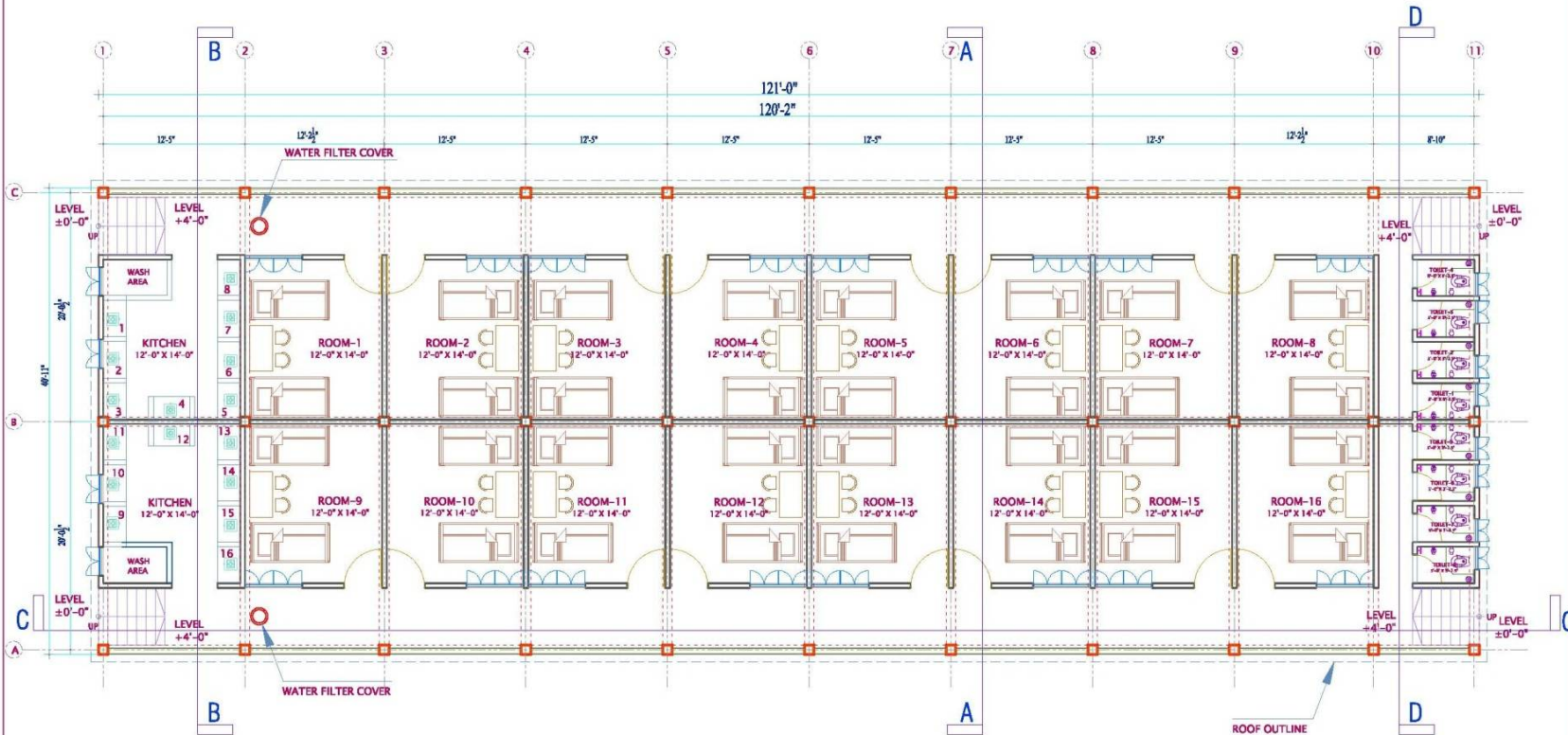
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GROUND FLOOR PLAN

FAMILY HOUSE



GROUND FLOOR FURNITURE LAYOUT PLAN

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MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO 33-A, ROAD NO-89,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL. 8802 8862048 FAX. 8802 8865504
E-mail: mdm@bol-online.com

LONDON OFFICE:
ARTHURS MISSION 30, SNOWSFIELDS
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PROJECT:
BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
AHMED MUKTA
B.Arch. FB Eng (UK), P. Eng (UK) MBPE

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B. Sc. Engg (Civil), MIEB-27824

CHECKED & CERTIFIED BY:
Engr. MD. ALI SHAMSUR RAHMAN
B. Sc. Engg (Civil), MIEB-22178

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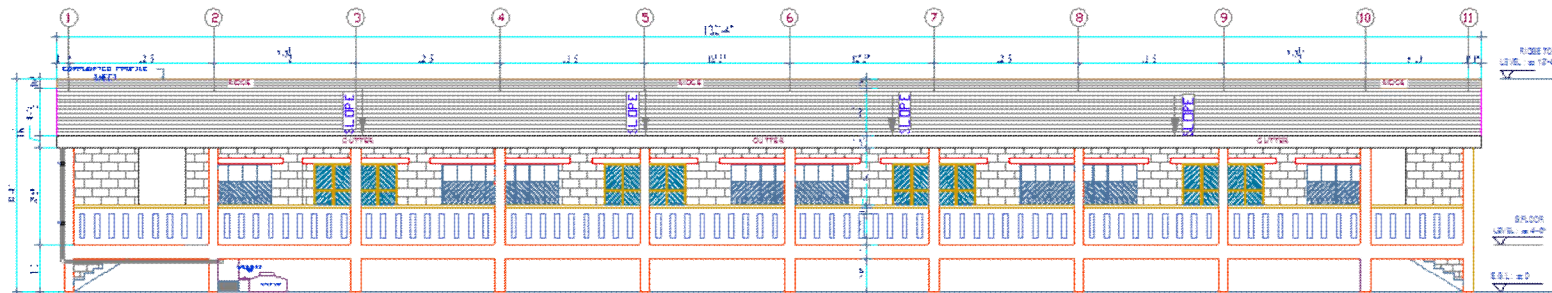
GROUND FLOOR FURNITURE
LAYOUT PLAN

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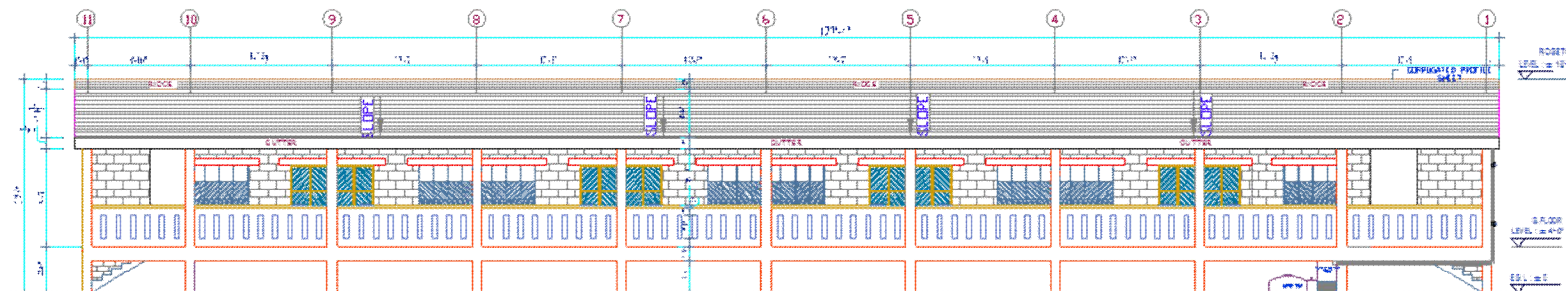
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FAMILY HOUSE



FRONT ELEVATION



BACK ELEVATION

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MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO-33-A, ROAD NO-196
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 980088 FAX: 8802988804
E-mail: m.d.m@bol-online.com

LONDON OFFICE:
ARTHURS MISSION SQ, SNOWSFIELDS
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SHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
JAHED MUKTA
B.Arch, F.S. Engg (CIV), M. Engg (MPE)

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B. Sc. Engg (CIVIL), M. Engg-27824

CHECKED & CERTIFIED BY:
Engr. MD. AU SHAKOOR RAHMAN
B. Sc. Engg (CIVIL), M. Engg-27824

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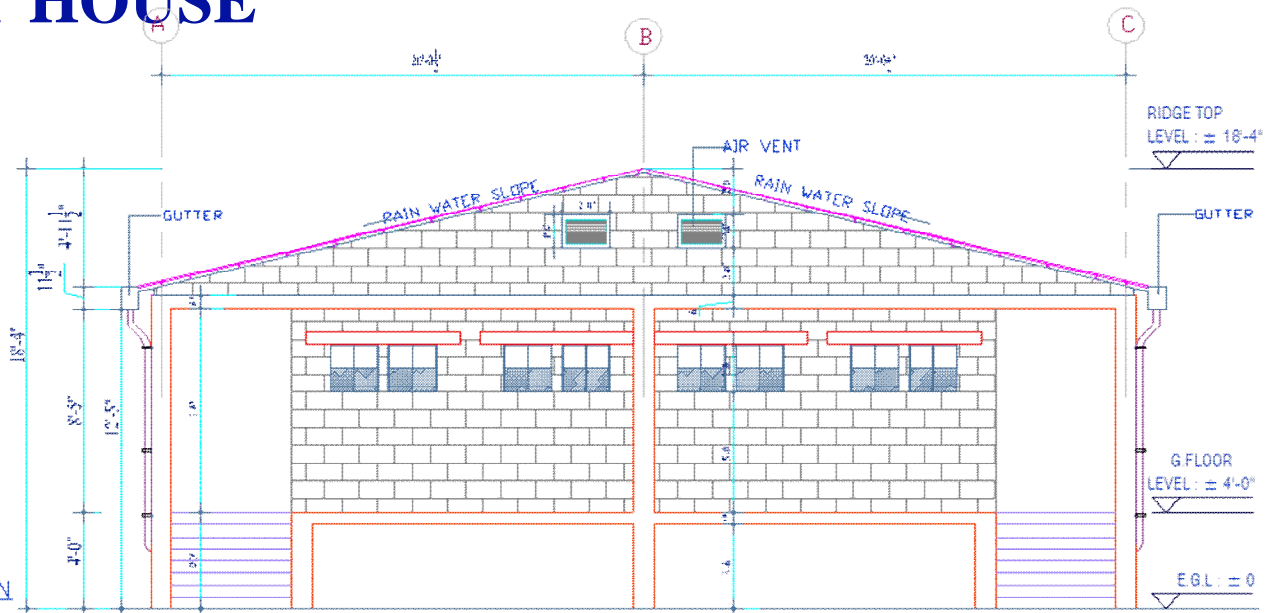
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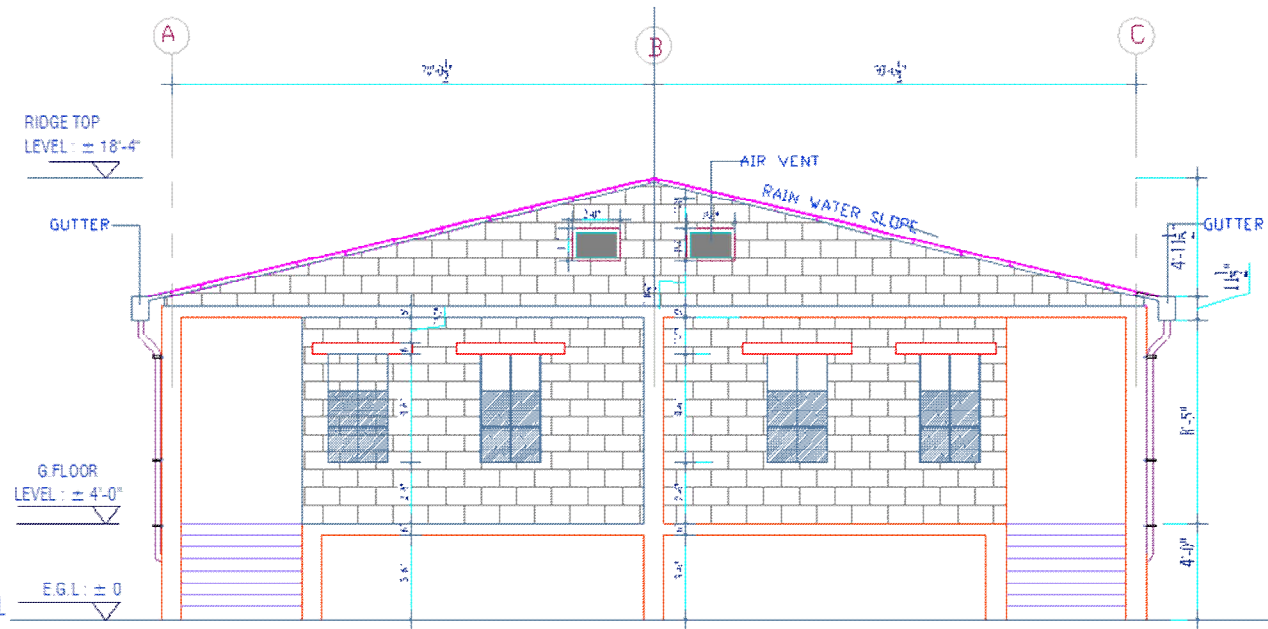
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FAMILY HOUSE



RIGHT ELEVATION



LEFT ELEVATION

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MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO 034, ROAD NO-99,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802880518 FAX: 88028804
E-mail: mdm@bdol-online.com

LONDON OFFICE:
ARTHUR'S PASSAGE, 30, NEWINGTON GREEN,
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REHABILITATION PLAN,
BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
ARCHITECTS:
MUKTA DINWIDDIE MACLAREN

CIVIL ENGINEER NAME:
Eng. M. D. SHARIFUL ISLAM
B. Sc. Engg (CIVIL), MIES-27524

CHECKED & CERTIFIED BY:
Eng. MD. ALIBAKUR RAHMAN
B. Sc. Engg (CIVIL), MIES-27524

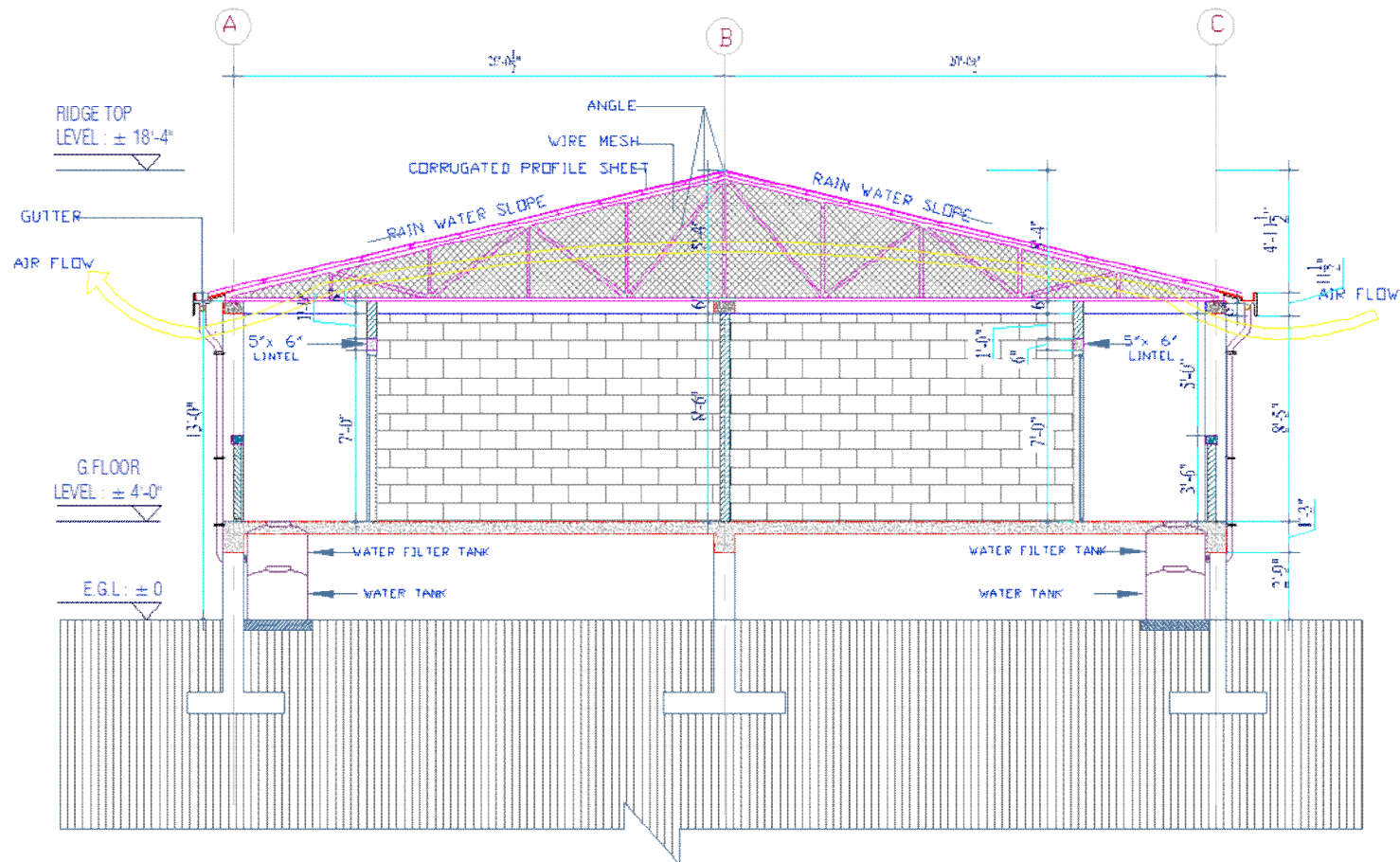
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FAMILY HOUSE



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ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO-334, ROAD NO-66
GULSHAN-2, DHAKA-1212, BANGLADESH
TEL: 9602 8862/8434 FAX: 8802 988604
E-mail: info@bol-online.com

LONDON OFFICE:
ARCHITECTS, MISSION 30, SNOWSPFIELDS
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BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
MUKTA DINWIDDIE MACLAREN

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B.Sc. Engg (Civil), MEB-27324

CHECKED & CERTIFIED BY:
Engr. MD. AU. BHASINUR RAHMAN
B.Sc. Engg. (Civil), MEB-10275

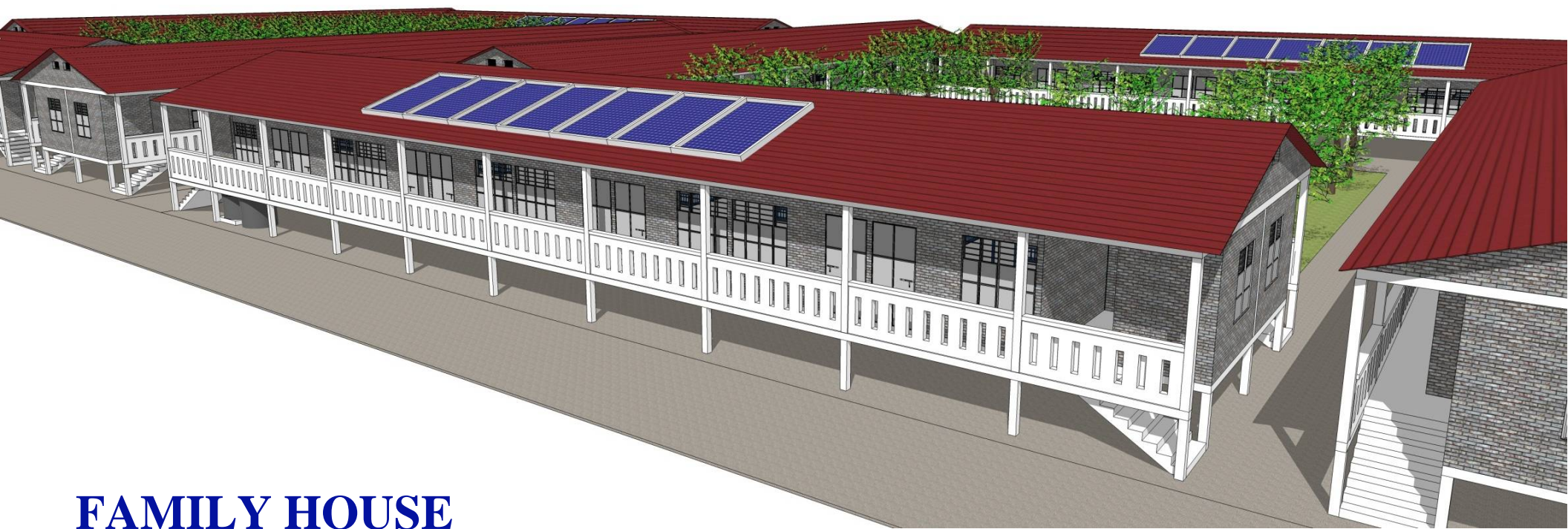
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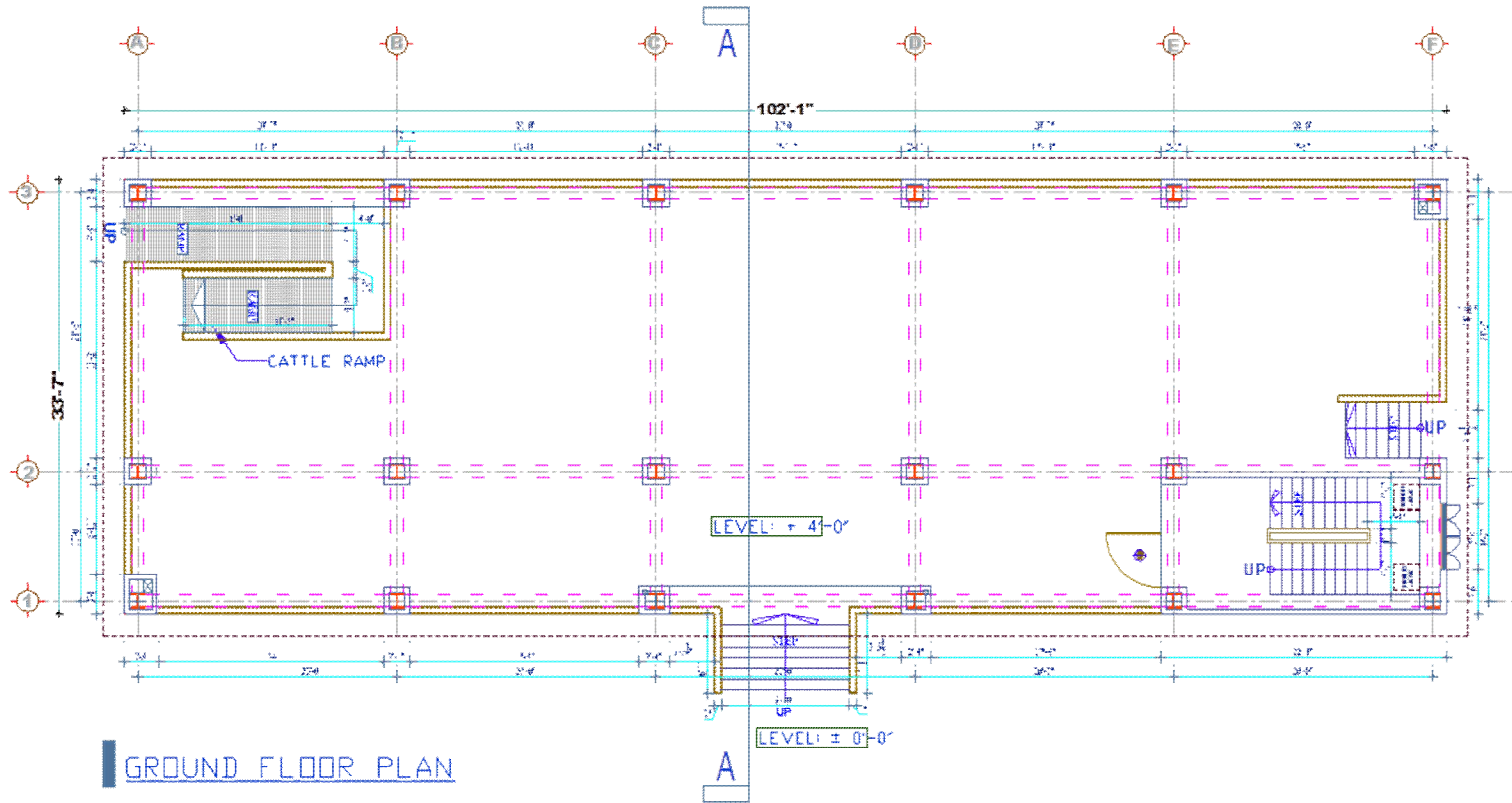
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HOUSE NO-33A, ROAD NO-99,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 982048 FAX: 8802 988604
E-mail: mdm@bol-online.com

LONDON OFFICE:
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REHABILITATION PLAN,
BANGLADESH.

CLIENT:

BANGLADESH NAVY

ARCHITECT NAME:

MUKTA DINWIDDIE MACLAREN
B.Arch, P.E. Eng. (UK), P. Eng. (UK), MPE

CIVIL ENGINEER NAME:

ENGR. MD. SHARIFUL ISLAM
B.Sc. (Engg) (UK), MSc (UK), MSc (UK)

CHECKED & CERTIFIED BY:

ENGR. MD. SHARIFUL ISLAM
B.Sc. (Engg) (UK), MSc (UK), MSc (UK)

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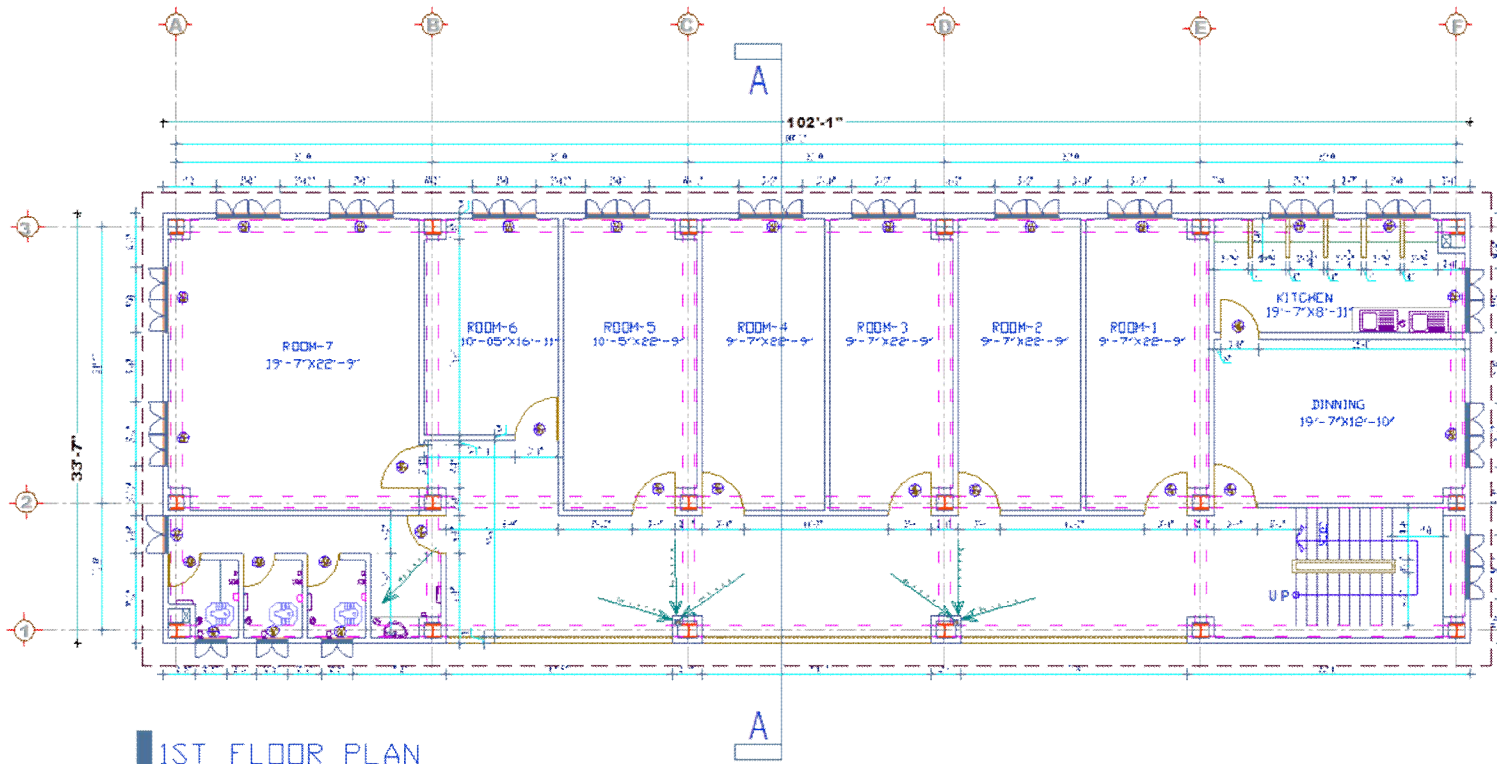
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1ST FLOOR PLAN

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DINWIDDIE
MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
14 DUSE N D-33A, ROAD NO-99
GULSHAN-2, DHA-KA-1212, BANGLADESH
TEL: 8800 982046 FAX: 8800 988604
E-mail: m.din@bol-online.com

LONDON OFFICE:
ARTHURS MISSION 30, SNOWS FIELDS
LONDON SE1 3SU, UNITED KINGDOM
TEL: 0044 452 8600 FAX: 0044 452 878 026
E-mail: m.din@bol-online.com
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REHABILITATION PLAN,
BANGLADESH.**

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
ARCHITECTS:
B.Arch. P.B. Eng. (CIVIL), Eng. (M.C.E)

CIVIL ENGINEER NAME:
ENGR. M.D. SHAHJAHAN ISLAM
B.Sc. Engg (CIVIL), MIEEE-17824

CHECKED & CERTIFIED BY:
ENGR. MD. ALI SHAHJAHAN RAHMAN
B.Sc. Engg (CIVIL), MIEEE-24179

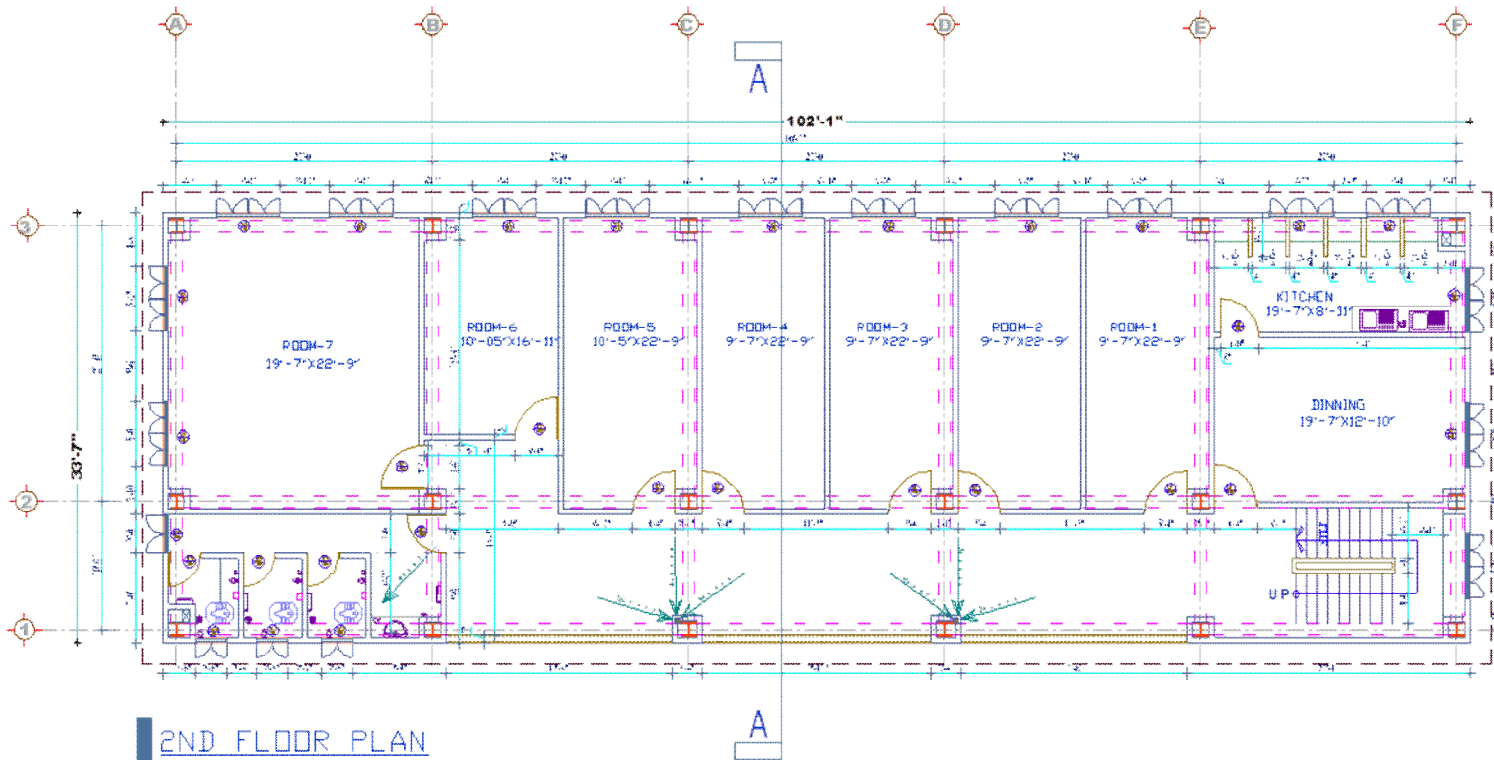
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2ND FLOOR PLAN

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DINWIDDIE
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ARCHITECTS & ENGINEERS

DHAKA OFFICE:
14/0/UBS/NO-334, ROAD NO-99,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 982048 FAX: 8802 988924
E-mail: m.din@bol-online.com

LONDON OFFICE:
ARTHURS MISSION 30, SNOWS FIELDS
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BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
MUKTA
DINWIDDIE MACLAREN

CIVIL ENGINEER NAME:
ENGR. M. D. SHARIFUL ISLAM
B.Sc. Engrg (Civil), MIES-17824

CHECKED & CERTIFIED BY:
ENR. MD. JAUHARUL RAHMAN
B.Sc. Engrg (Civil), MIES-21719

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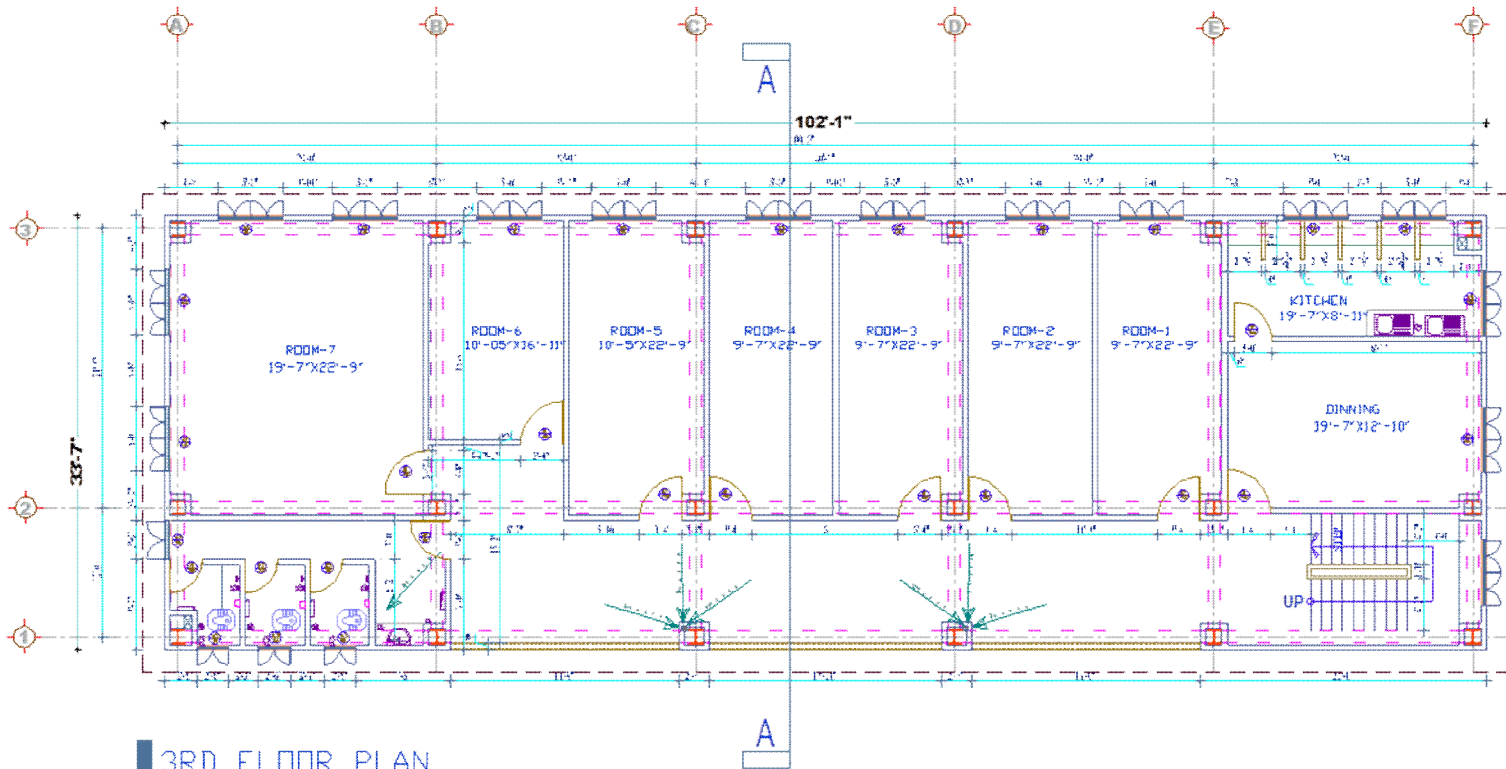
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3RD FLOOR PLAN

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DHAKA OFFICE
 HOUSE NO-334, ROAD NO-98,
 GULSHAN-2, DHAKA-1212, BANGLADESH.
 TEL: 8822 66224 FAX: 8822 688504
 E-mail: mcm@pol-online.com

LONDON OFFICE
 ARTHURS MISSION SQ, SNOWFIELDS
 LONDON SE1 3SU, UNITED KINGDOM
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 REHABILITATION PLAN,
 BANGLADESH.

CLIENT:

BANGLADESH NAVY

ARCHITECT NAME:
 ANJIBO MUKTA
 B.Arch, P.E. Eng. (Civil), P. Eng. (Struct)

CIVIL ENGINEER NAME:
 Eng. Md. SHARIFUL ISLAM
 B.Sc. (Engg) (Civil), MBBE-01173

CHECKED & CERTIFIED BY:
 Eng. Md. ALI BHASUUR RAHMAN
 B.Sc. (Engg) (Civil), MBBE-01173

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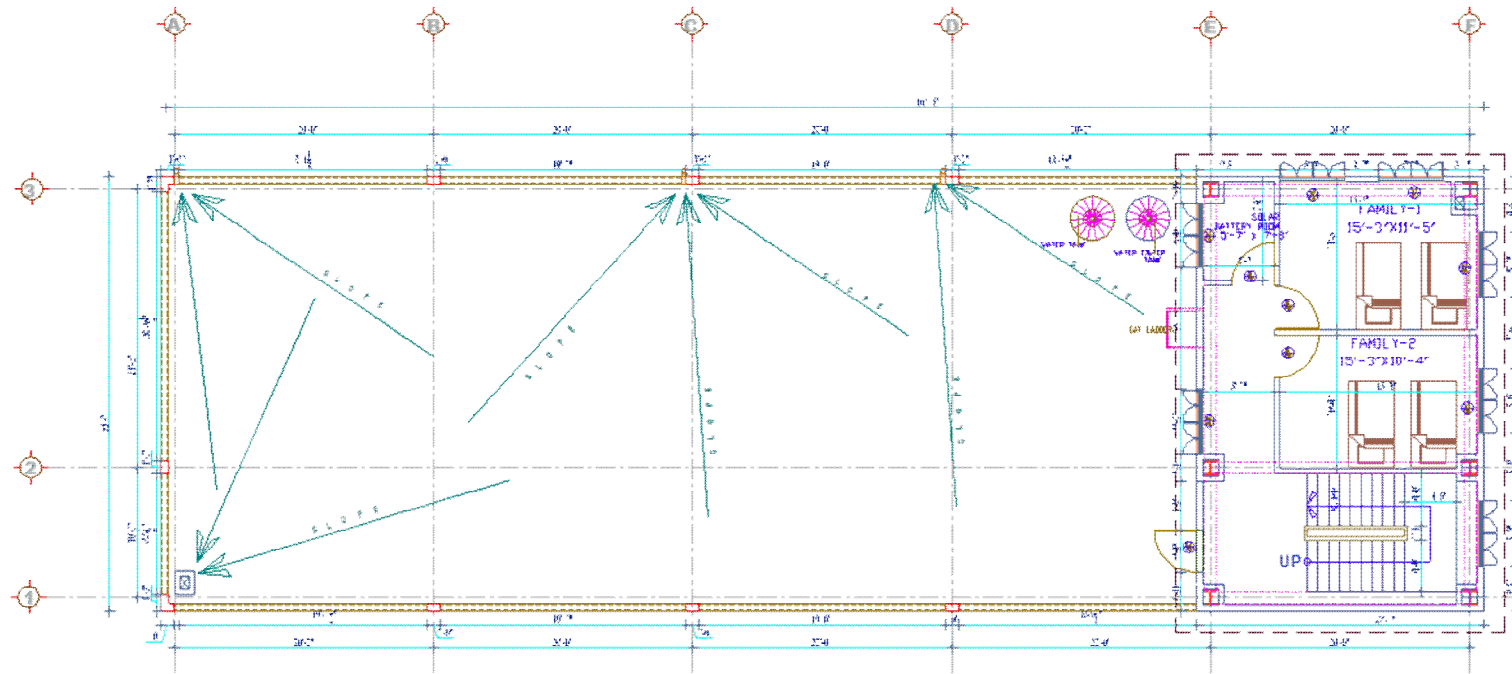
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ROOF PLAN

MUKTA DINWIDDIE MACLAREN ARCHITECTS & ENGINEERS

DHAKA OFFICE
HOUSE NO-334, ROAD NO-99,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 982248 FAX: 8802 988604
E-mail: m dm @ bol-online.com

LONDON OFFICE
ARTHUR'S MISSION CO, SNOW SPIELDS
LONDON, SE17 3SU, UNITED KINGDOM.
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BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:

BANGLADESH NAVY

ARCHITECT NAME

PROJECT NAME

SCALE: 1/8" = 1'-0" (1:24)

CIVIL ENGINEER NAME

REG. NO: SHAKILUL ISLAM
E. Sc. Reg. (Civil), 11669-2-102-4

CHECKED & CERTIFIED BY:

By: MD. SHAKILUL ISLAM
E. Sc. Reg. (Civil), 11669-2-102-4

REV	DATE	DESCRIPTION

SHEET TITLE:
ROOF PLAN

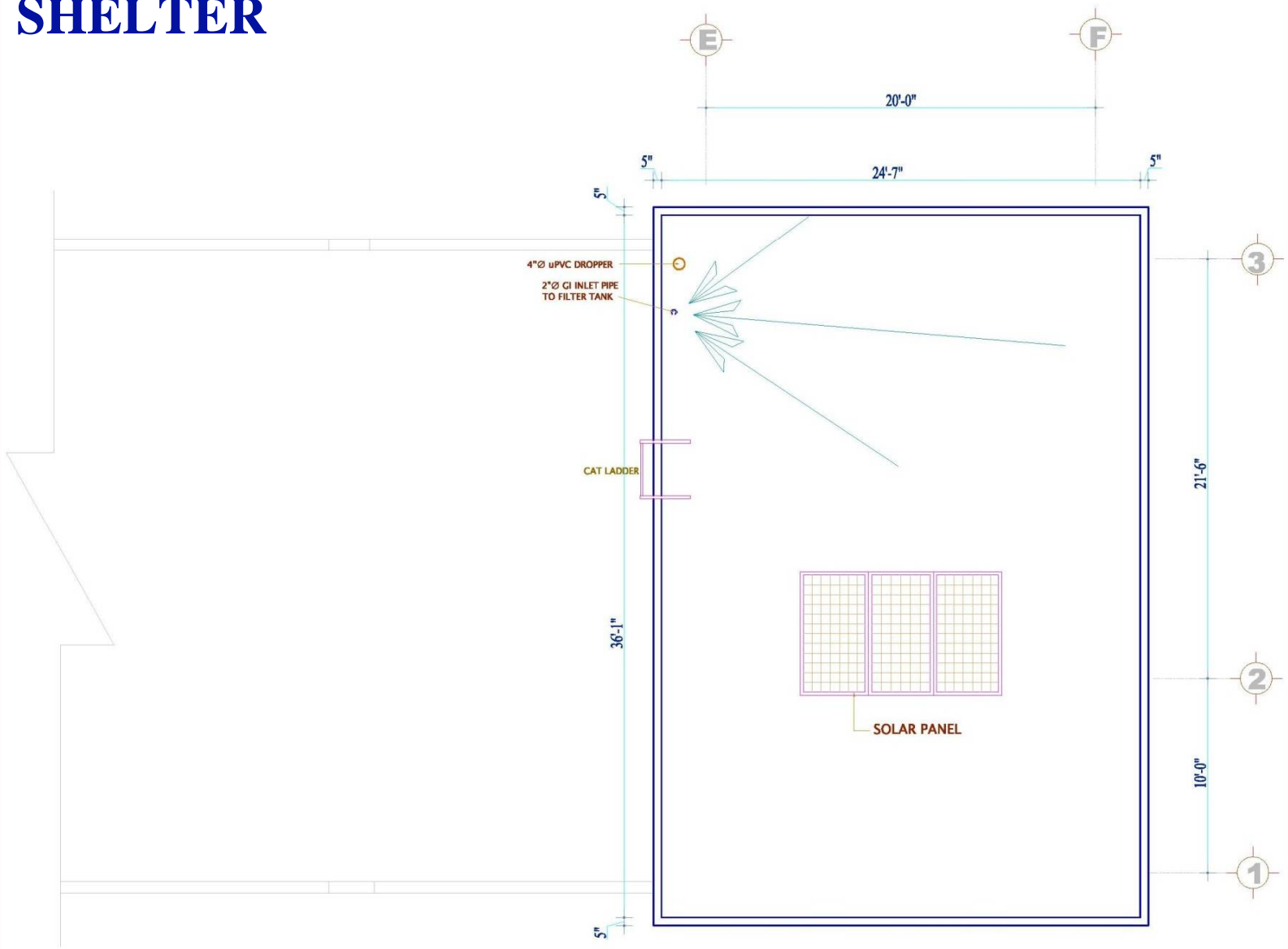
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ROOF TOP PLAN

MUKTA DINWIDDIE MACLAREN
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
H O U S E N O - 33-A, R O A D N O - 88,
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL. 8802 882048 FAX. 8802 886504
E-mail: mdm@bol-online.com

LONDON OFFICE:
ARTHURS MISSION 30, SNOWFIELDS
LONDON SE1 3SU, UNITED KINGDOM.
TEL. 0207 403 6000 FAX. 0207 376 0378
E-mail: info@dinmac.com
Website: www.dinmac.com

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PROJECT:
BHASHAN CHAR REHABILITATION PLAN, BANGLADESH.

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
AHMED MUKTA
B.Arch. Ph Eng (UK); P. Eng (UK) MSPE

CIVIL ENGINEER NAME:
Engr. MD. SHARIFUL ISLAM
B. Sc. Engg (CIVIL), MIEB-27824

CHECKED & CERTIFIED BY:
Engr. MD. ALI SHAMSUR RAHMAN
B. Sc. Engg. (CIVIL), MIEB-22178

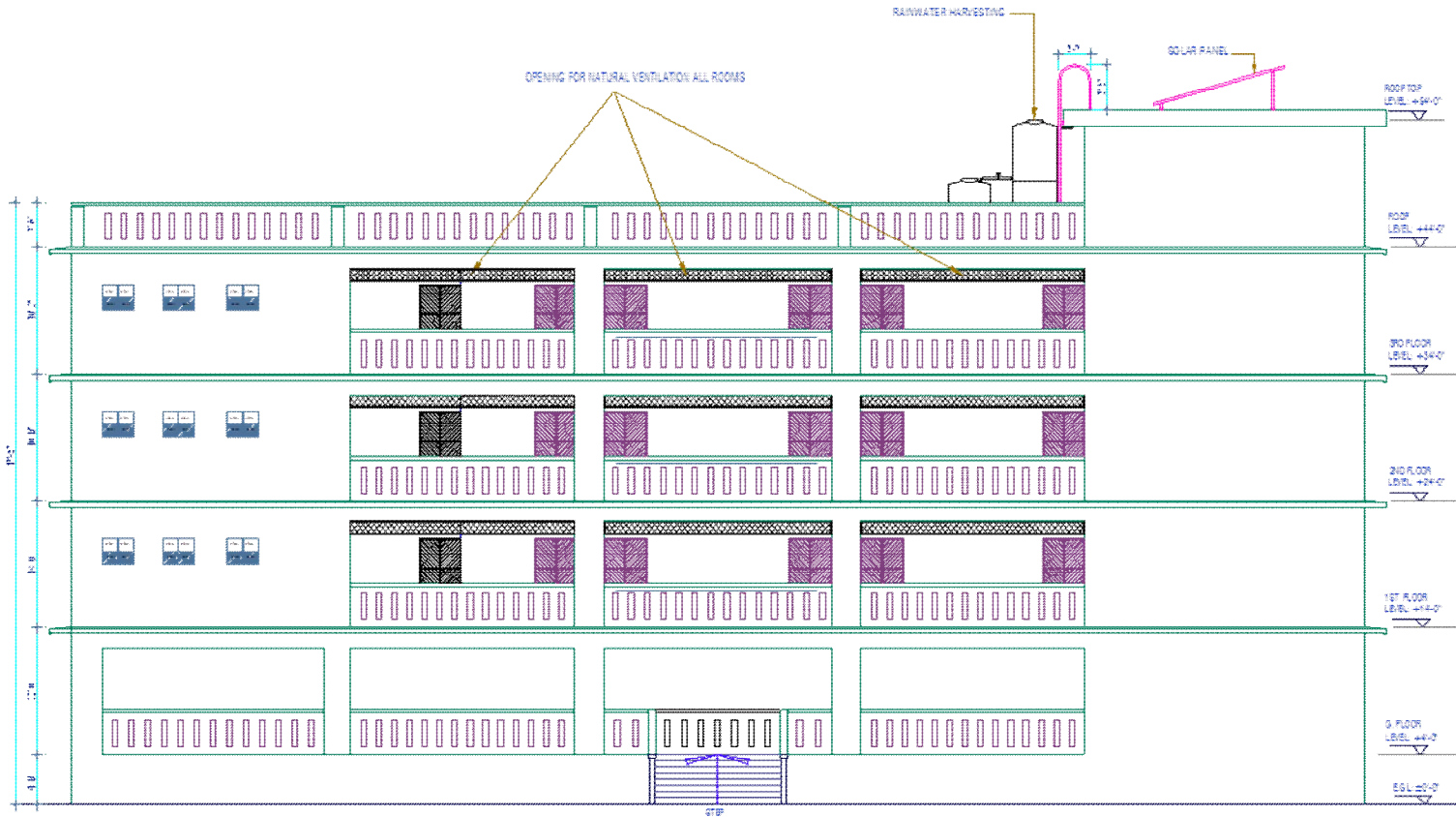
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ROOF TOP PLAN

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MUKTA DINWIDDIE MACLAREN
ARCHITECTS & ENGINEERS

DHAKA OFFICE:
HOUSE NO-32-A, ROAD NO-96,
GULSHAN-2, DHAKA-1212, BANGLADESH
TEL: 002 882048 FAX: 002 868804
E-mail: mdm@bdol-online.com

LONDON OFFICE:
ARTHURS MISSION 30, ENDSWELDS
LONDON SE1 3EU, UNITED KINGDOM
TEL: 0207 402 6600 FAX: 0207 378 0378
E-mail: info@dinmed.com
Website: www.dinmed.com

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PROJECT:
**BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.**

CLIENT:
BANGLADESH NAVY

ARCHITECT NAME:
AKHED MUKTA
B. Arch. PSENG (SIC), P. ENG (CIVIL)

CIVIL ENGINEER NAME:
Engr. M. D. SHARIFUL ISLAM
B. Sc. Engg (CIVIL), MIES-17824

CHECKED & CERTIFIED BY:
Engr. MD. ALI SHAHUR RAHMAN
B. Sc. Engg (CIVIL), MIES-02118

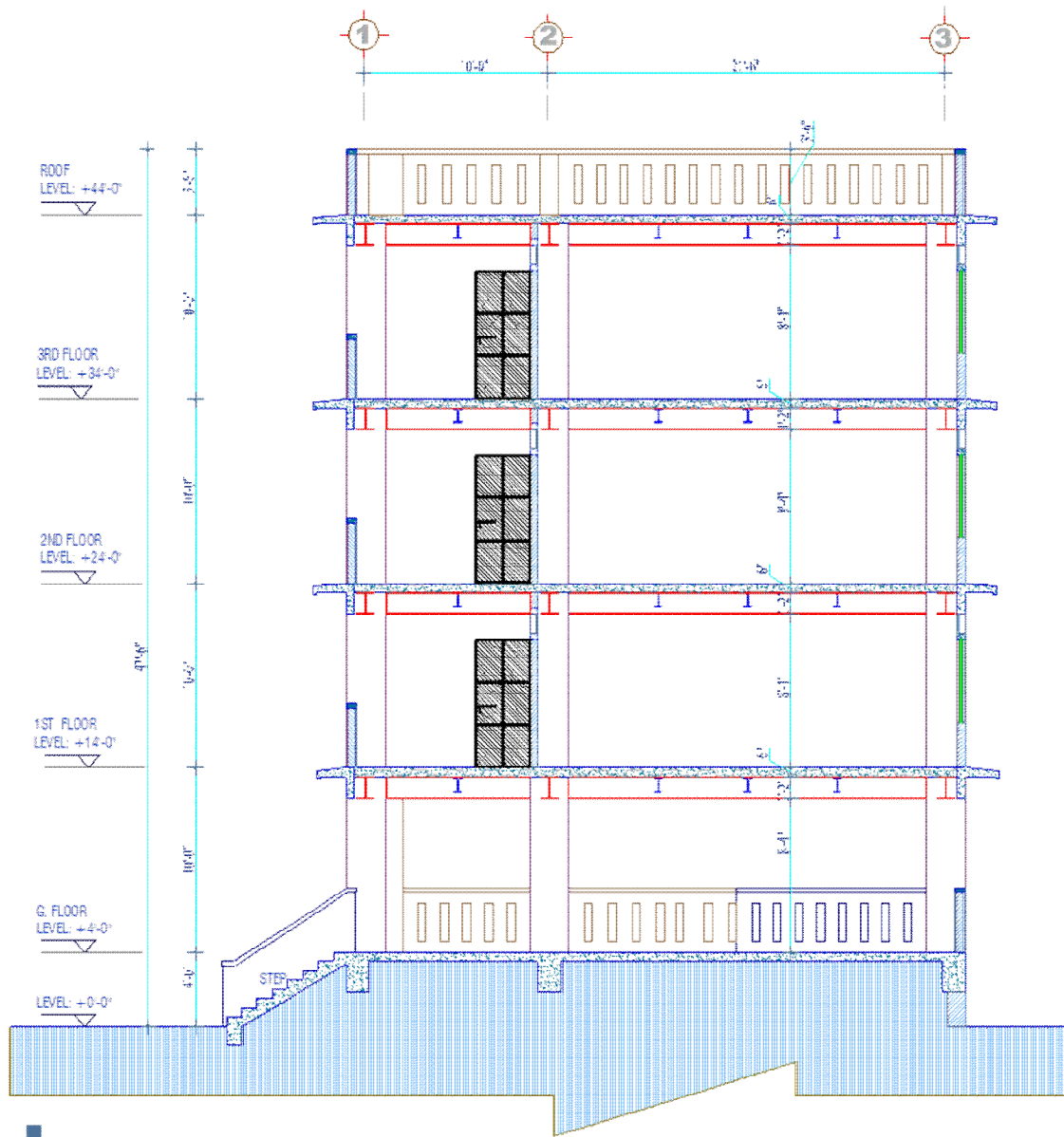
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SECTION: A-A

**MUKTA
DINWIDDIE
MACLAREN**
ARCHITECTS & ENGINEERS

DHAKA OFFICE
HOUSE NO-334, ROAD NO-98
GULSHAN-2, DHAKA-1212, BANGLADESH.
TEL: 8802 882048 FAX: 8802 988804
E-mail: m.din@bol-online.com

LONDON OFFICE:
ARTHUR'S MISSION DO, 8A/10 SPINLOS
LONDON SE1 3SA, UNITED KINGDOM.
TEL: 0207 403 800 FAX: 0207 378 0375
E-mail: info@dinmae.com
Website: www.dinmae.com

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PROJECT:
BHASHAN CHAR
REHABILITATION PLAN,
BANGLADESH.

CLIENT:

BANGLADESH NAVY

ARCHITECT NAME:

SHAMUS MUKTA
BArch, RIBA, RIBA (UK), P. Eng, UK, NPBS

CIVIL ENGINEER NAME:

Engr. MD. SHAHEFUL ISLAM
B. Sc. Engr. CIVIL, MARR-17824

CHECKED & CERTIFIED BY:

Engr. MD. ALI SHAHEBUR RAHMAN
B. Sc. Engr. (CIVIL), MARR-02173

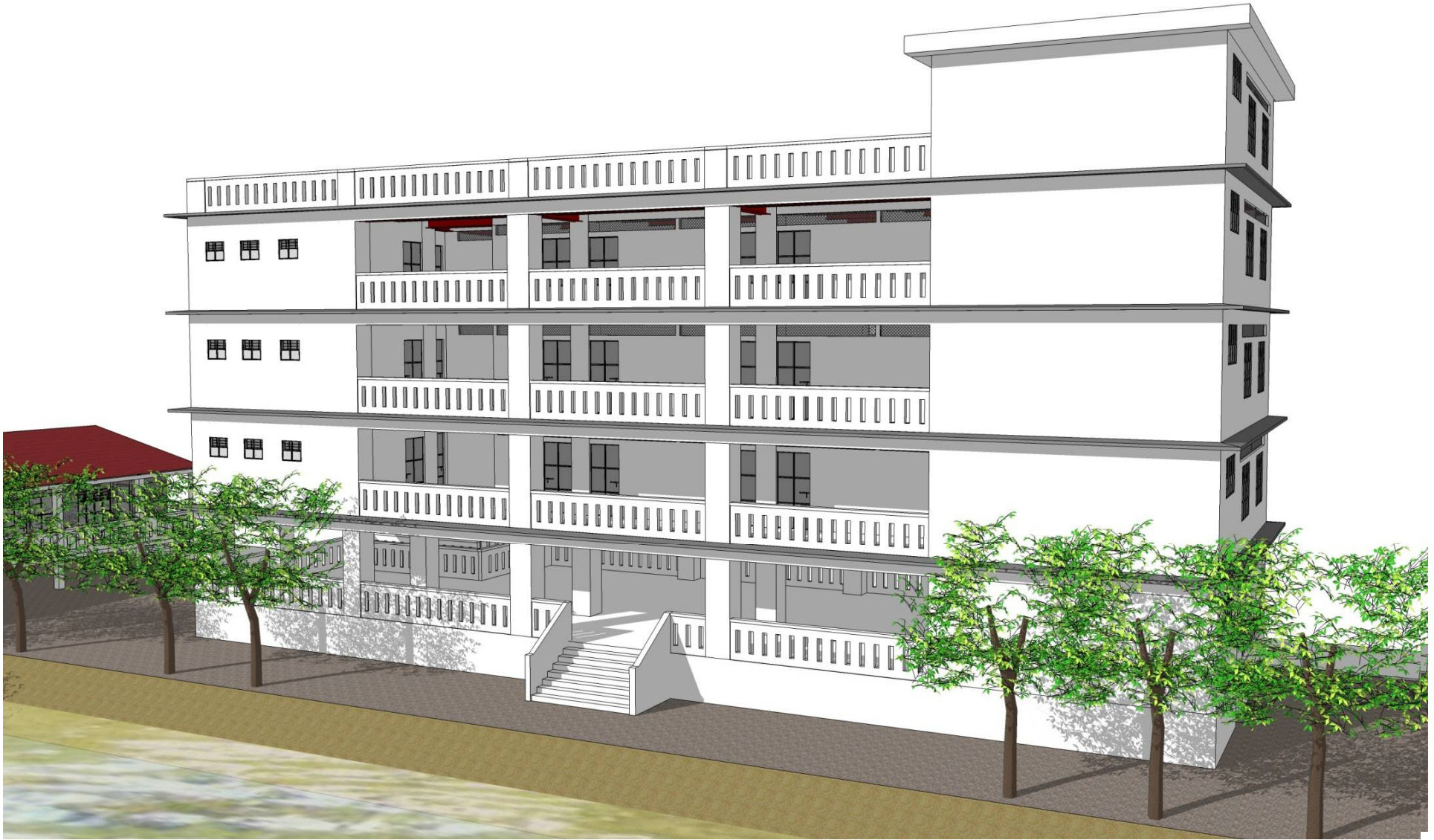
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SHEET TITLE:
SECTION A-A

DRAWING NO.:

A-08

SCALE: NTS
ISSUE DATE:
JOB NO.:
AUTHOR CODE:



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WATER SOURCE FOR BHASHAN CHAR REHABILITATION PLAN, BANGLADESH PROJECT :

FOR HOUSES

THERE WILL BE FOUR SOURCES OF WATER COLLECTION, I.E

1. RAIN WATER HARVESTING
2. SOLAR SUBMERSIBLE PUMP
3. FAUCET FROM SHELTER'S WATER RESERVER
4. POND.

RAIN WATER HARVESTING:

RAIN WATER COLLECTION FACILITY ON ROOF GUTTER. WATER FROM THIS SOURCE IS FED TO THE FILTER UNIT FOR FILTRATION. THE FILTER ELEMENT IS LOCALLY ARRANGED BY INTRODUCING SEVERAL LAYERS OF DIFFERENT TYPE OF SANDS, CHARCOAL AND SMALL STONE ETC. AFTER FILTRATION THE WATER TANK RESERVES THE WATER FOR USE IN THE FACILITY.FINALLY THEY WILL COLLECT THIS WATER THROUGH TWO TUBEWELL IN BOTH KITCHEN SEPERATELY.

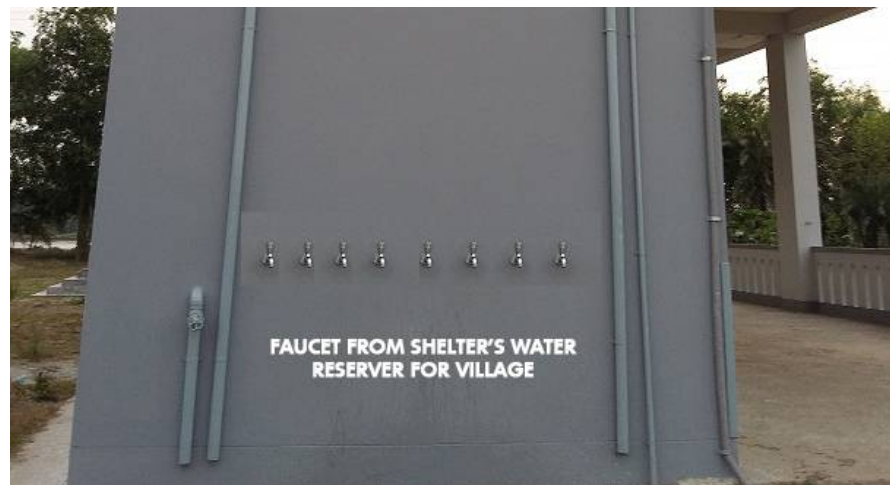
SOLAR SUBMERSIBLE PUMP (500 WATT DC):

PUMP IS CONNECTED WITH PUMP CONTROLLER. WHEN THE OVERHEAD TANK OR RESERVE TANK IS EMPTY THEN MANUALLY TURN ON THE PUMP SWITCH. AFTER FULFILLING THE OVERHEAD AND RESERVE TANK THEN MANUALLY TURN OFF THE PUMP SWITCH.

FAUCET FROM SHELTER'S WATER RESERVER :

THERE ARE EIGHT FAUCETS OUTSIDE OF STAIRCASE IN EVERY SHELTER. THESE FAUCETS ARE DIRECTLY CONNECTED WITH UNDERGROUND RESERVE TANK. THESE ARE THE DRINKING WATER SOURCE FOR HOUSES IN EMERGENCY CASE IF ABOVE MENTION TWO SYSTEMS ARE BECOME NON-OPERATIONAL/ FAILURE.

EXAMPLE:



POND:

EVERY CLUSTER CONTAINS ONE POND. IN ADDITION THEY WILL BE ABLE TO USE THIS WATER.

FOR SHELTER :

THERE WILL BE TWO SOURCES OF WATER COLLECTION, I.E

OVERHEAD WATER TANK, RAIN WATER COLLECTION FILTRATION UNIT AND STAIRCASE WATER TANK
SOLAR SUBMERSIBLE PUMP.

OVERHEAD WATER TANK, RAIN WATER COLLECTION FILTRATION UNIT AND STAIRCASE WATER TANK:

POND AND RAIN WATER COLLECTION FACILITY ON ROOF. RAIN WATER WILL BE COLLECTED FROM ROOF & THE POND WATER WILL BE COLLECTED THROUGH SOLAR SUBMERSIBLE PUMP. WATER FROM THESE TWO SOURCES IS FED TO THE FILTER UNIT FOR FILTRATION. THE FILTER ELEMENT IS LOCALLY ARRANGED BY INTRODUCING SEVERAL LAYERS OF DIFFERENT TYPE OF SANDS, CHARCOAL AND SMALL STONE ETC. AFTER FILTRATION THE WATER TANK RESERVES THE WATER FOR USE IN THE FACILITY. THE OVERFLOW LINE OF THIS TANK FLOWS THE EXCESS AMOUNT OF WATER OF THIS TANK INTO THE WATER RESERVOIR IN THE STAIR CASE AREA.

EXAMPLE:



SOLAR SUBMERSIBLE PUMP (1000 WATT DC):

PUMP IS CONNECTED WITH PUMP CONTROLLER. WHEN THE OVERHEAD TANK OR RESERVE TANK IS EMPTY THEN MANUALLY TURN ON THE PUMP SWITCH. AFTER FULFILLING THE OVERHEAD AND RESERVE TANK THEN MANUALLY TURN OFF THE PUMP SWITCH.

THANK YOU