

**ARCHITECTURAL DRAWING  
FWC & MHL OFFICE BUILDING PROJECT IN  
MALALAI NATIONAL AND SPECIALIZED  
HOSPITAL IN  
KABUL - AFGHANISTAN**



**YEAR: 2023**



**SYMBOLS:**

**1. GENERAL SYMBOLS**

SECTION ARROW  
TOP - Section Identification letter  
BOTT - Dwg on which Section is drawn

VIEW ARROW  
TOP - View Identification letter  
BOTT - Dwg on Which View is drawn

DETAIL  
TOP - Detail Identification number  
BOTT - Dwg on with Detail is drawn

GRID  
HOR - Grid Identification letter  
VERT - Grid Identification number  
(NOTE: When multiple Bldg's add. Bldg No in front of Grid 101)

Elevation Identification in Plan

Elevation Identification in Section and Elevation

Room Identification number or name

D&W Identification number, D=door, W=window  
Additional Identification letter: G=Ground Floor, F=First Floor, S=Second Floor, R=Roof level

**2. OTHER SYMBOLS**

- STONE
- REINFORCED COLUMNS
- REINFORCED CONCRETE
- LEAN CONCRETE
- CONCRETE HOLLOW BLOCKS
- GYPSUM WALLS
- SAND / MORTAR
- GRASS
- ASPHALT, BITUMEN SURFACE
- PAVING
- RUBBLE
- COMPACTED FILL OR NATURAL GROUND

- Grid, center line
- Match line, M.L.
- Hidden, object above or beyond
- Revision cloud
- Exterior Wall Composition
- Curtain wall
- Glass Wall
- Glass Blocks
- DPC, Damp Proof Course (Membrane)
- Insulation
- Lockers
- Cabinet, built in closet
- Lighting fixture, recessed rectangular
- Lighting fixture, recessed square
- Lighting fixture, recessed round
- Diffuser, pulsion
- Diffuser, extraction
- Smoke detector
- Loudspeaker, intercom

lift  
Usage:  
BDL: Bed lift  
GDL: Goods lift  
PSL: Passengers lift  
HDL: Hydraulic lift

Entry, Exit

Single leaf door  
Hinge side

Door sash in elevation  
Sash opening direction  
Hinge side

Staircase  
Indication Up  
No. of Steps

Ramp

Slope Direction

Floor level drop

Folding door or gate

Double leaf door

Sliding or automatic door

Window

Reference Point

Tree

Existing Tree

Cooker

Refrigerator

Dish Washer

Washing machine

Kitchen sink, double

Kitchen sink, single

Service sink

Wash basin, Hand wash basin

Shower

Bath Tub

Floor Drain

WC, Water Closet

Wall Mounted Water Closet

Squat Pan

Urinal

Shaft, duct

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL - AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal

**PLUMBING ENGINEER:**  
Ghafoor Ghani

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
- Nasratullah  
**CHECKED BY:**  
-  
**REVIEWED BY:**  
-  
**APPROVED BY:**  
-

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
A-002.dwg

**SCALE:**  
AS NOTED

**ISSUE DATE:**  
07-May-2023

**DRG TITLE:**  
SYMBOLS

**DRG REF NO:**  
A-002

**REV NO:**  
0

**SHEET** 02 **of** 13

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH

**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

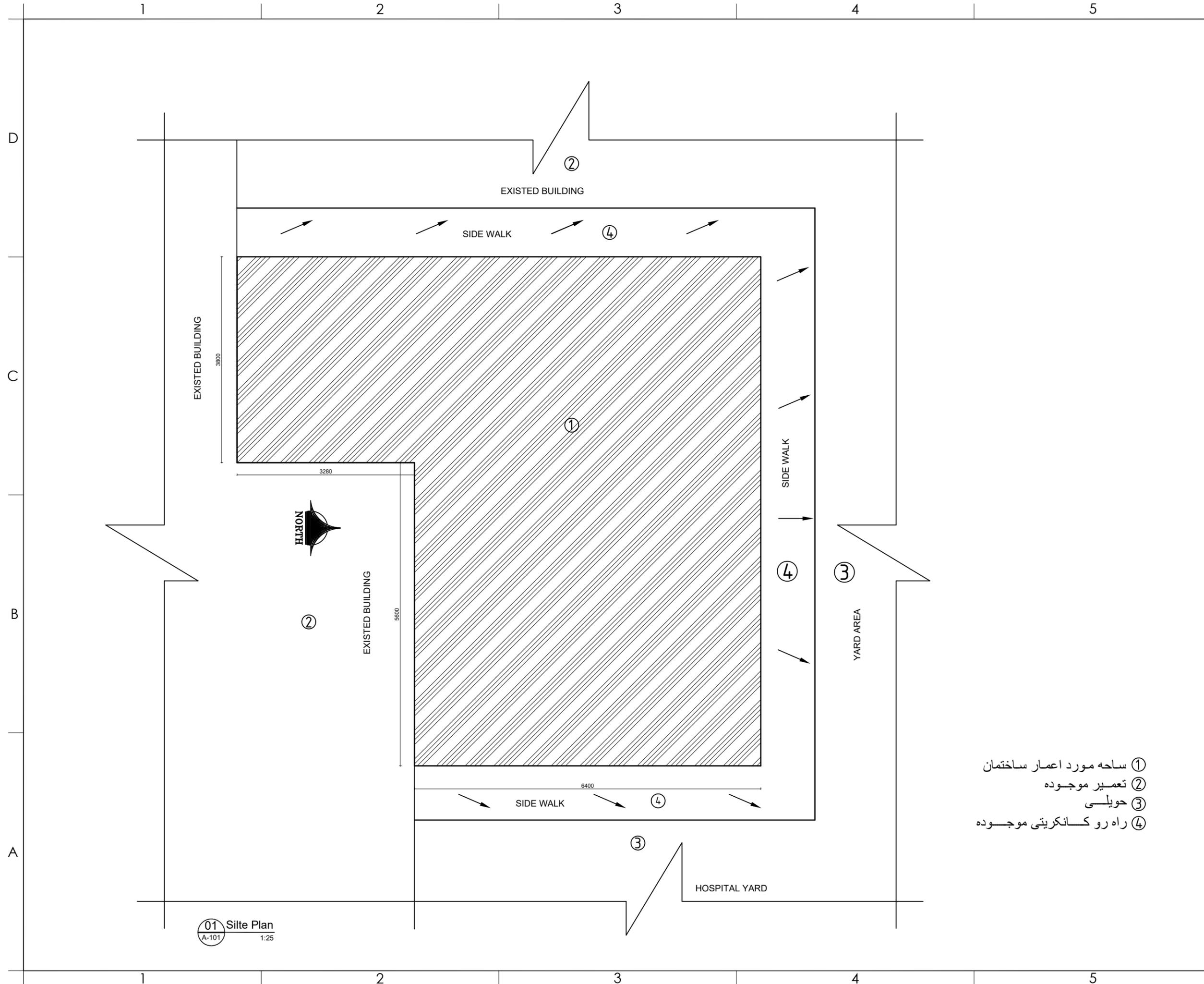
**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 A-101.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**SITE PLAN**

**DRG REF NO:**  
 A-101  
**REV NO:**  
 0

**SHEET** 03 **of** 13  
 © COPYRIGHT 2017



CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



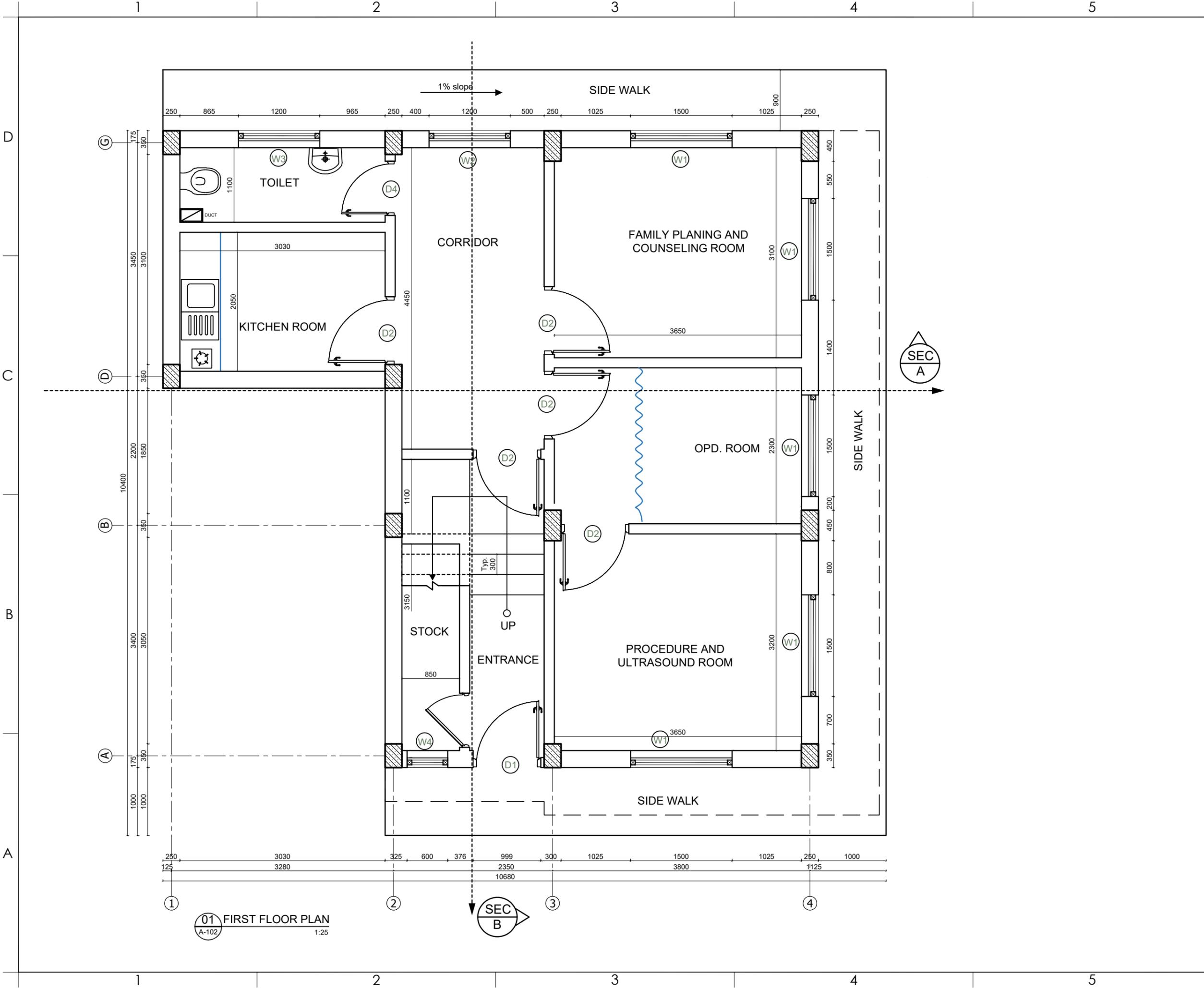
**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 A-102.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

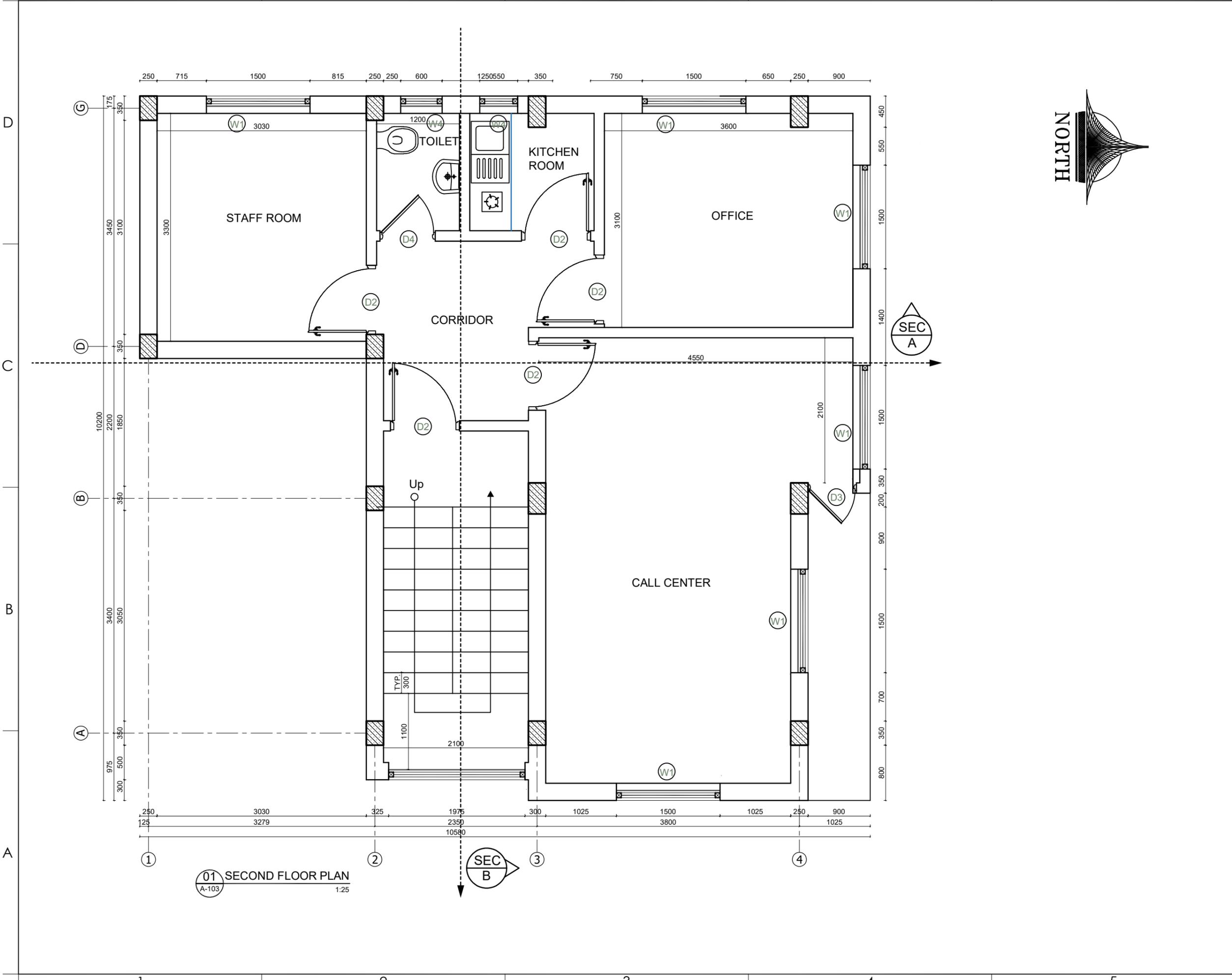
**DRG TITLE:**  
**FIRST FLOOR PLAN**

**DRG REF NO:**  
 A-102  
**REV NO:**  
 0  
**SHEET** 04 **of** 13



**01 FIRST FLOOR PLAN**  
 A-102 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:

**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnaahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:

**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal

**PLUMBING ENGINEER:**  
Ghafoor Ghani

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
KABUL = 253°  
FROM NORTH

<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
A-103.dwg

<b>SCALE:</b> AS NOTED	<b>ISSUE DATE:</b> 07-May-2023
---------------------------	-----------------------------------

**DRG TITLE:**  
**SECOND FLOOR PLAN**

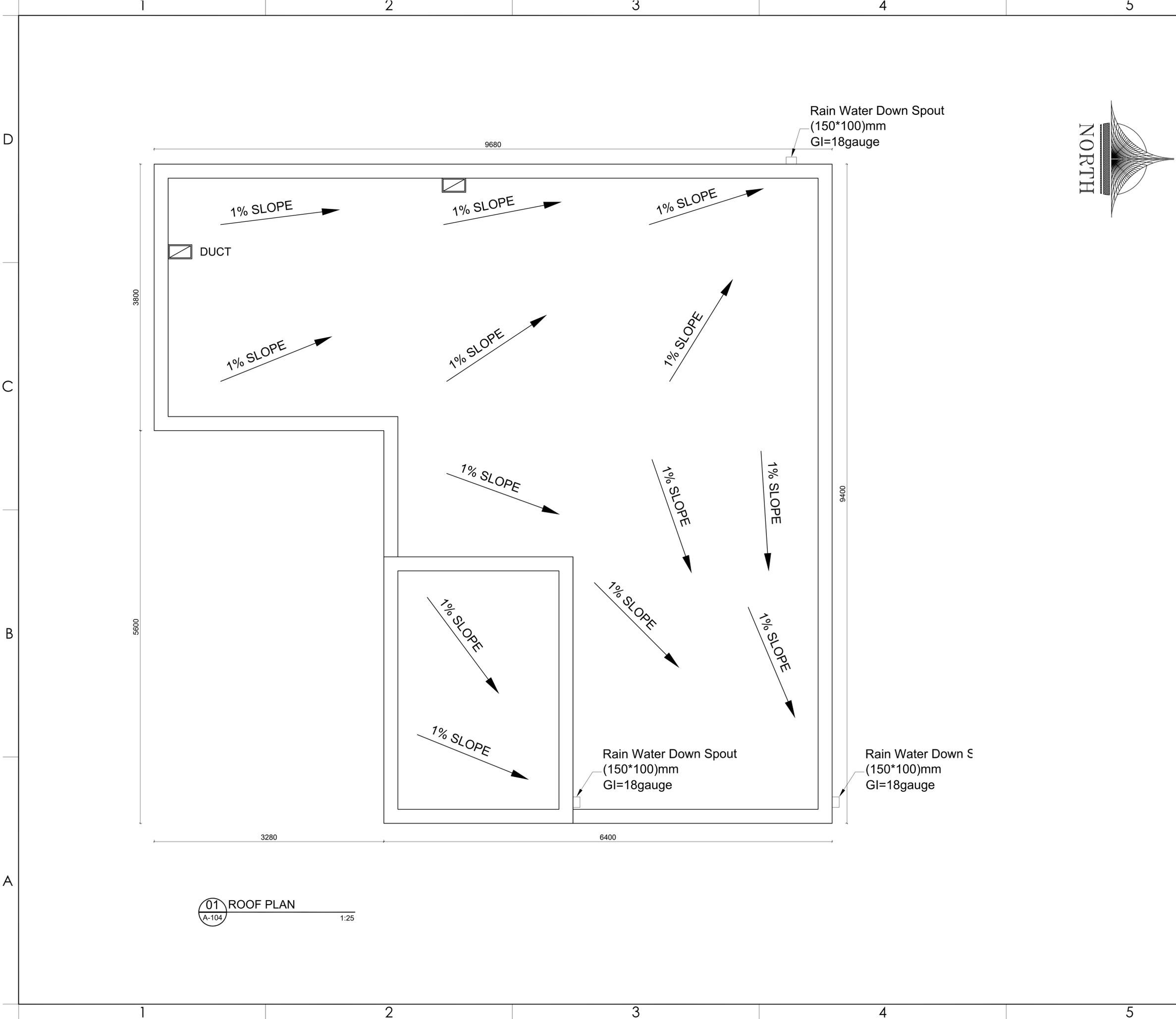
<b>DRG REF NO:</b> A-103	<b>REV NO:</b> 0
-----------------------------	---------------------

**SHEET** 05 **of** 13

© COPYRIGHT 2017

01 SECOND FLOOR PLAN  
A-103 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH

**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 A-104.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**ROOF PLAN**

**DRG REF NO:** A-104  
**REV NO:** 0

**01 ROOF PLAN**  
 A-104 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

D

C

B

A

1

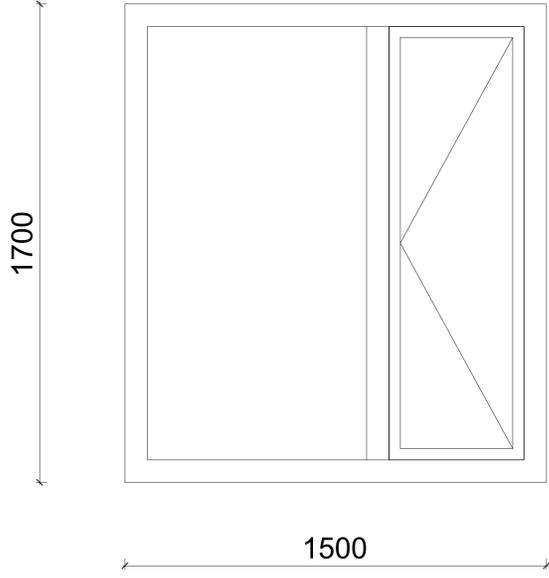
2

3

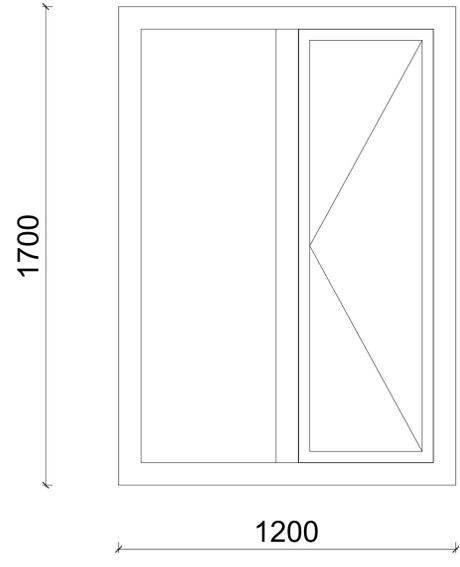
4

5

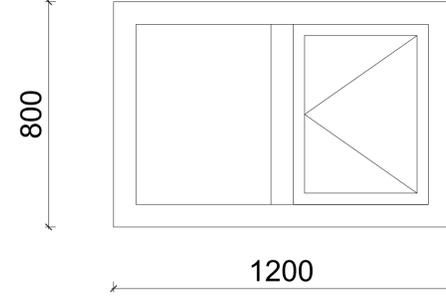
W1



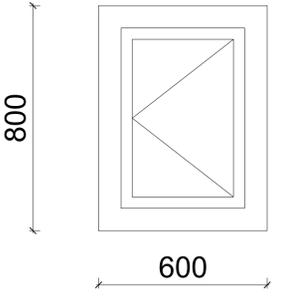
W2



W3



W4



Specification Table of Window				
Name	With	Height	Material	Number
W1	1500	1700	UPVC Double Glass	11
W2	1200	1700	UPVC Double Glass	1
W3	1200	800	UPVC Double Glass	1
W4	600	800	UPVC Double Glass	3

01 WINDOW SPECIFICATION  
A-105 1:25

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**DRAWN BY:**  
- Nasratullah  
**CHECKED BY:**  
-  
**REVIEWED BY:**  
-  
**APPROVED BY:**  
-

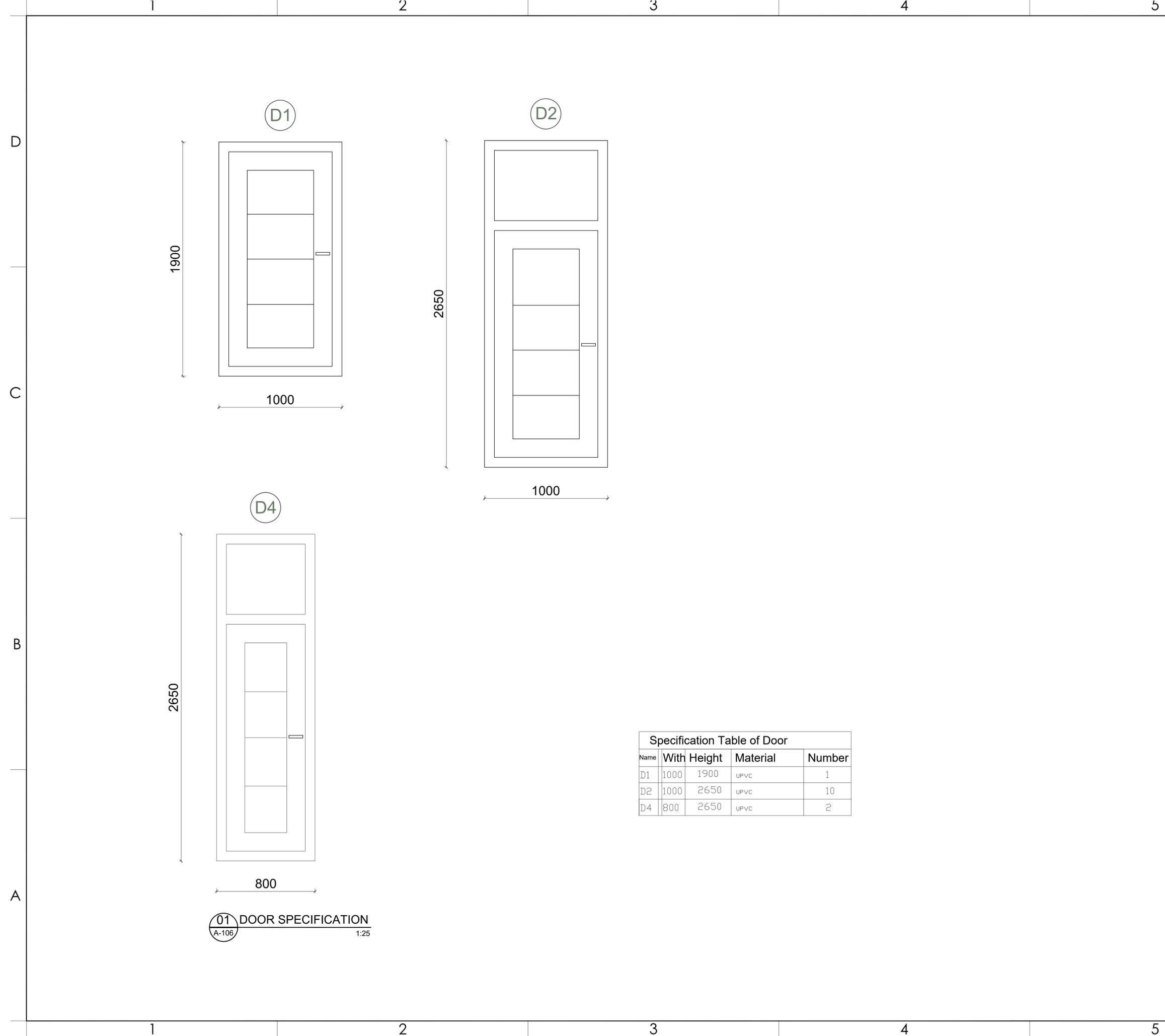
**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
A-105.dwg  
**SCALE:**  
AS NOTED  
**ISSUE DATE:**  
07-May-2023

**DRG TITLE:**  
**WINDOW SPECIFICATION**

**DRG REF NO:**  
A-105  
**REV NO:**  
0

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



Specification Table of Door				
Name	With	Height	Material	Number
D1	1000	1900	UPVC	1
D2	1000	2650	UPVC	10
D4	800	2650	UPVC	2

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal

**PLUMBING ENGINEER:**  
Ghafoor Ghani

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
- Nasratullah

**CHECKED BY:**  
-

**REVIEWED BY:**  
-

**APPROVED BY:**  
-

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
A-106.dwg

**SCALE:** AS NOTED

**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**DOOR SPECIFICATION**

**DRG REF NO:** A-106

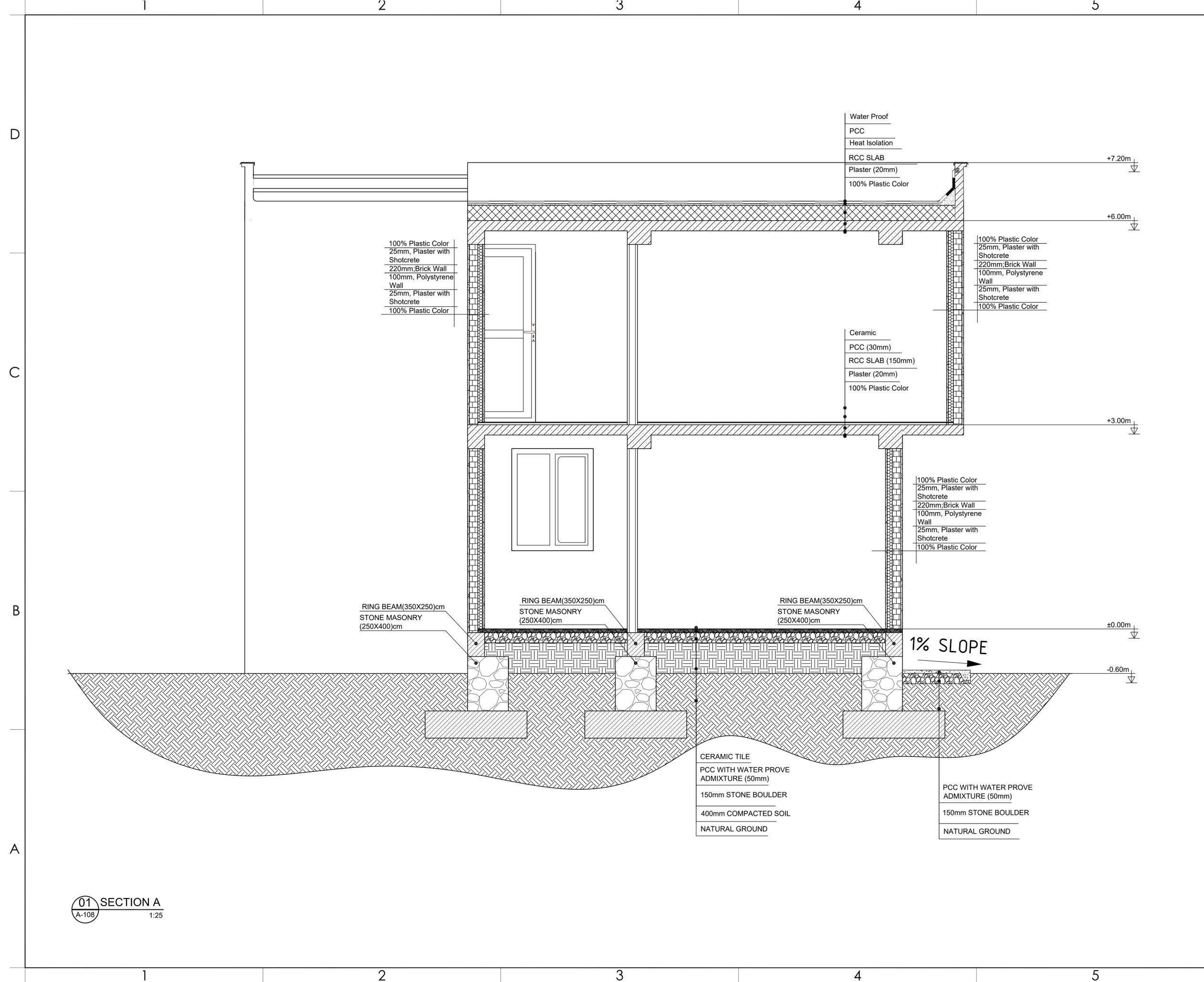
**REV NO:** 0

**SHEET** 08 **of** 13

© COPYRIGHT 2017

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS





**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 A-108.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**SECTION**

**DRG REF NO:** A-108  
**REV NO:** 0

01 SECTION A  
 A-108 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 A-109.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
 EAST VIEW

**DRG REF NO:** A-109  
**REV NO:** 0



01 EAST VIEW  
 A-109 1:25

DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS  
 CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS  
 DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION

D

C

B

A



01 WEST VIEW  
A-110 1:25

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal

**PLUMBING ENGINEER:**  
Ghafoor Ghani

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
A-110.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
WEST VIEW

<b>DRG REF NO:</b> A-110	<b>REV NO:</b> 0
<b>SHEET</b> 12 <b>of</b> 13	

DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



QIBLA FOR  
KABUL = 253°  
FROM NORTH

<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
 A-111.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**NORTH VIEW**

<b>DRG REF NO:</b> A-111	<b>REV NO:</b> 0
-----------------------------	---------------------



01 NORTH VIEW  
 A-111 N/S

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**STRUCTURAL DRAWING  
FWC & MHL OFFICE BUILDING PROJECT IN  
MALALAI NATIONAL AND SPECIALIZED  
HOSPITAL IN  
KABUL- AFGHANISTAN**

YEAR: 2023



# GENERAL STRUCTURAL NOTES

## A. GENERAL

- THE STRUCTURE IS DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. DESIGN AND PROVIDE NECESSARY BRACING, TEMPORARY SUPPORTS, AND SHORING TO RESIST FORCES, ON THE STRUCTURE DURING CONSTRUCTION.
- ALL DIMENSIONS ON STRUCTURAL PLANS, DETAILS AND NOTES ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- COORDINATE LOCATIONS OF FLOOR AND ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

## B. DESIGN CRITERIA

- BUILDING CODE \_\_\_\_\_ ASCE-7-16
- OCCUPANCY CATEGORIES \_\_\_\_\_ II
  - Office Building \_\_\_\_\_
- DESIGN LIVE LOADS \_\_\_\_\_
  - FLOOR LOADS
    - ASSEMBLY AREAS \_\_\_\_\_ 4.79 kN/m<sup>2</sup>
    - CORRIDORS \_\_\_\_\_ 3.00 kN/m<sup>2</sup>
    - OFFICE AREAS \_\_\_\_\_ 2.39 kN/m<sup>2</sup>
    - STAIRS AND LANDINGS \_\_\_\_\_ 3.00 kN/m<sup>2</sup>
    - PARTITIONS (NON-REDUCIBLE LIVE LOAD) \_\_\_\_\_ 0.96 kN/m<sup>2</sup>
  - MIN. ROOF LIVE LOAD \_\_\_\_\_ 0.96 kN/m<sup>2</sup>
  - SNOW LOAD
    - GROUND SNOW LOAD \_\_\_\_\_ 1.25 kN/m<sup>2</sup>
    - EXPOSURE CATEGORY \_\_\_\_\_ D
    - SNOW EXPOSURE FACTOR \_\_\_\_\_ 1.0
    - THERMAL FACTOR \_\_\_\_\_ 1.0
    - SNOW IMPORTANCE FACTOR
      - TYPICAL, U.N.O. \_\_\_\_\_ 1.0
      - GENERATOR BUILDING AND MEDICAL CLINIC \_\_\_\_\_ 1.1
      - FIRE STATION \_\_\_\_\_ 1.2
    - FLAT ROOF SNOW LOAD \_\_\_\_\_ 1 kN/m<sup>2</sup>
    - ROOF SLOPE FACTOR \_\_\_\_\_ 1.0
  - WIND LOAD
    - BASIC WIND SPEED \_\_\_\_\_ 0.00 km/h
    - WIND IMPORTANCE FACTOR
      - OFFICE \_\_\_\_\_ 1.0
    - EXPOSURE CATEGORY \_\_\_\_\_ D
    - INTERNAL PRESSURE COEFFICIENT \_\_\_\_\_ (+-) 0.18
  - SEISMIC LOAD
    - SEISMIC IMPORTANCE FACTOR
      - Office Building \_\_\_\_\_ 1.0
    - SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S<sub>s</sub>) \_\_\_\_\_ 1.28g
    - 1 SECOND PERIOD SPECTRAL RESPONSE ACCELERATION (S<sub>1</sub>) \_\_\_\_\_ 0.51g
    - SITE CLASS \_\_\_\_\_ D
    - SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT (S<sub>0s</sub>) \_\_\_\_\_ 0.8533g
    - 1 SECOND PERIOD SPECTRAL RESPONSE ACCELERATION (S<sub>01</sub>) \_\_\_\_\_ 0.51g
    - SEISMIC DESIGN CATEGORY \_\_\_\_\_ D
    - STRUCTURAL SYSTEM: SPECIAL CONCRETE MOMENT FRAMES
    - RESPONSE MODIFICATION FACTOR R \_\_\_\_\_ 5
    - DEFLECTION AMPLIFICATION FACTOR C<sub>d</sub> \_\_\_\_\_ 4.5
    - OVER STRENGTH FACTOR Ω<sub>o</sub> \_\_\_\_\_ 3
- DESIGN DEAD LOADS
  - SELF WEIGHT OF MATERIAL
  - SUPERIMPOSED DEAD LOADS
    - COLLATERAL ROOF LOAD \_\_\_\_\_ 3.179 kN/m<sup>2</sup>
    - COLLATERAL ELEVATED FLOOR LOAD \_\_\_\_\_ 1.76 kN/m<sup>2</sup>
    - MECHANICAL/PLUMBING/ELECTRICAL \_\_\_\_\_ 0.15 kN/m<sup>2</sup>
    - MISCELLANEOUS \_\_\_\_\_ 0.15 kN/m<sup>2</sup>

## C. CONCRETE

- ALL CONCRETE FOR STRUCTURES SHALL BE AIR-ENTRAINED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 28 MPa AT 28 DAYS EXCEPT AS NOTED. FORMED, ELEVATED CONCRETE SLABS AND INTERIOR SLABS-ON-GRADE SHALL NOT BE AIR-ENTRAINED.
- REINFORCEMENT BARS SHALL BE NEW BILLET STEEL CONFORMING TO A.S.T.M. DESIGNATION A615, GRADE 60, DEFORMED.
- WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. DESIGNATION A185.
- CONCRETE DESIGN IS IN CONFORMANCE WITH 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (A.C.I. 318M-14).
- DETAIL, FABRICATE AND ERECT REINFORCEMENT BARS, INCLUDING BAR SUPPORTS, SPACERS, ETC. IN ACCORDANCE WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT." (A.C.I. 315-99).
- UNLESS SHOWN OTHERWISE, BARS AT SPLICES SHALL BE LAPPED IN ACCORDANCE WITH THE TABLE "REINFORCING STEEL LAP SPLICES AND EMBEDMENTS" SHOWN ON THIS SHEET. ALL SPLICES SHALL BE CLASS B UNLESS NOTED OTHERWISE.
- WATERSTOPS SHALL BE RIBBED POLYVINYL CHLORIDE, 150mm x 10mm IN CONSTRUCTION JOINTS AND 225mm x 10mm W/CENTER BULB IN EXPANSION JOINTS UNLESS SHOWN OTHERWISE.
- CONCRETE COVER FOR REINFORCEMENT BARS SHALL CONFORM TO THE FOLLOWING, UNLESS INDICATED OTHERWISE ON THE DRAWING.
  - UNFORMED SURFACES IN CONTACT WITH GROUND \_\_\_\_\_ 75mm
  - FORMED SURFACES IN CONTACT WITH GROUND OR EXPOSED TO WEATHER, AND ALL WALLS \_\_\_\_\_ 50mm
  - COLUMNS, PIERS \_\_\_\_\_ 50mm
  - EXTERIOR EXPOSURE, TOP OF SLABS \_\_\_\_\_ 15mm
  - INTERIOR EXPOSURE, TOP OF SLABS \_\_\_\_\_ 15mm
  - UNDERSIDE OF SLABS EXPOSED TO WATER \_\_\_\_\_ 38mm
  - TOP OF SLABS EXPOSED TO WATER \_\_\_\_\_ 51mm

- CHAMFER EXPOSED CONCRETE EDGES 19mm X 19mm UNLESS NOTED OTHERWISE.
- CHAMFER EDGES UNDER ALL EXTERIOR MASONRY WALLS 19mm X 19mm.
- CONCRETE PADS FOR EQUIPMENT ARE BY THE MECHANICAL, ELECTRICAL, PLUMBING CONTRACTOR UNLESS INDICATED ON THE STRUCTURAL DRAWINGS.

REINFORCING STEEL LAP SPLICES AND EMBEDMENTS				
BAR SIZE	CLASS 'B' SPLICE LENGTH		MIN. EMBEDMENT LENGTH AND CLASS 'A' SPLICE	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
10	400	400	305	305
12	468	365	360	280
14	550	425	420	325
16	760	575	585	440
18	960	715	735	550
20	1030	795	790	610
22	1145	860	880	660
24	1250	965	960	740

NOTES:

- TABLE BASED ON A.C.I. 318 WITH F'C = 28MPa AND FY = 414MPa
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT.
- HORIZONTAL WALL REINFORCEMENT IS CONSIDERED A TOP BAR.

- FOR LOCATION OF FLOOR DRAINS, SEE PLUMBING AND ARCHITECTURAL DRAWINGS. SLOPE FLOOR TO DRAIN.
- FOR EXTENTS OF RECESSED SLAB AREAS NOT DETAILED IN THE STRUCTURAL PLANS, SEE ARCHITECTURAL DRAWINGS. SEE DETAIL 1/GEN-S-002 FOR TYPICAL FLOOR RECESS DETAIL.
- LATERAL LOADS SHALL NOT BE APPLIED TO ANY WALL PRIOR TO ACHIEVING THE 28 DAY CONCRETE COMPRESSIVE STRENGTH. ALL SUPPORTING FLOORS AND SLABS AT TOP OF WALLS MUST ALSO BE IN PLACE.
- BAR SIZE DESIGNATION DENOTES DIAMETER OF BAR IN MILLIMETERS.
- REQUIREMENT FOR COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.1-90 BASED ON ACE318-08 SECTION 5.12.3.24
- REQUIREMENT FOR HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305R-99 BASED ON ACI 318-08 SECTION 5.12.

## D. STRUCTURAL STEEL

- STRUCTURAL STEEL WIDE FLANGE BEAMS, COLUMNS, AND MISCELLANEOUS FRAMING MEMBERS SHALL CONFORM TO A.S.T.M. A992/A992M GRADE 345, OR A.S.T.M. A572/A572M GRADE 345.
- PLATES, BARS, AND ANGLES SHALL CONFORM TO ASTM A36/A36M UNLESS NOTED OTHERWISE.
- STEEL ANGLES FOR SHEAR (WEB) CONNECTIONS BEAM-TO-BEAM AND BEAM-TO-COLUMN SHALL CONFORM TO ASTM A36/A36M.
- STRUCTURAL TUBING SHALL CONFORM TO A.S.T.M. A500 GRADE B.
- STRUCTURAL PIPE SHALL CONFORM TO A.S.T.M. A501.
- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. CODES AND SPECIFICATIONS. INCLUDING THE A.I.S.C. CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS. ALLOWABLE STRESS DESIGN (ASD) SHALL BE USED TO DESIGN AND DETAIL ALL CONNECTIONS.
- SHOP CONNECTIONS SHALL BE MADE WITH HIGH-STRENGTH BOLTS OR BY WELDING. FIELD CONNECTIONS SHALL BE MADE WITH HIGH-STRENGTH BOLTS, EXCEPT WHERE WELDING IS INDICATED ON THE DRAWINGS. HIGH-STRENGTH BOLTS SHALL CONFORM TO A.S.T.M. DESIGNATION A325 BEARING TYPE CONNECTION WITH THREADS INCLUDED IN SHEAR PLANE UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE 19mm DIAMETER UNLESS NOTED OTHERWISE.
- CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL BE DESIGNED TO SUPPORT THE LARGER VALUE OF THE FOLLOWING:
  - ONE-HALF THE TOTAL FACTORED UNIFORM LOAD AS GIVEN IN THE A.I.S.C. MANUAL FOR THE SPAN, SHAPE AND STEEL SPECIFIED.
  - DESIGN REACTION LISTED ON THE DRAWINGS.
- ALL WELD SIZES, NOT INDICATED OR THOSE TO BE DESIGNED FOR MEMBER LOADS GIVEN ON THE DRAWINGS, SHALL COMPLY WITH THE LATEST A.W.S. D1.1 BUT IN NO CASE SHALL WELD SIZE BE LESS THAN 5mm.
- ALL STEEL FOR ANCHOR RODS SHALL CONFORM TO A.S.T.M. F1554 GRADE 36 UNLESS NOTED OTHERWISE.
- USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES.
- NATURAL MILL CAMBER OF BEAMS SHALL BE PLACED UP.
- THE STRUCTURAL BEAMS ARE NOT DESIGNED FOR USE AS LIFT BEAMS.
- ADEQUATE TEMPORARY BRACING SHALL BE PROVIDED DURING CONSTRUCTION.
- MINIMUM THICKNESS OF STRUCTURAL STEEL SHALL BE 6mm.
- MILL EACH END OF COLUMN SECTION EXCEPT FOR FREE END OF ROOF SECTION COLUMN.
- PAINT AS PER SPECIFICATIONS.
- ALL BENT CLOSURE PLATES INDICATED ON CONTRACT DRAWINGS SHALL BE MINIMUM 10mm THICK.
- PROVIDE 6mm THICK CAP PLATE WELDED ALL AROUND AT THE TOP OF HSS COLUMNS OR POSTS.
- BEAMS OR JOISTS ARE TO BE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS OTHERWISE NOTED.

01 GENERAL STRUCTURAL NOTES/ABBREVIATION  
S-001 NTS

## ABBREVIATIONS

ADDL	ADDITIONAL
ALT	ALTERNATE
AL	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
BETW	BETWEEN
BM	BEAM
BRG	BEARING
BOT	BOTTOM
C/C	CENTER TO CENTER
CIR	CIRCULAR
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CMU	CONCRETE MASONRY UNIT
CONSTR	CONSTRUCTION
CONTR	CONTRACTION
DTL	DETAIL
DIA	DIAMETER
DN	DOWN
DWGS	DRAWINGS
EA	EACH
EF	EACH FACE
EL	ELEVATION
EMBED	EMBEDMENT
OC	ON CENTER
OPNG	OPENING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
PL	PLATE
PROJ	PROJECTION
REINF	REINFORCEMENT
REQD	REQUIRED
SH	SHEET
SIM	SIMILAR
SPA	SPACE
SQ	SQUARE
SS	STAINLESS STEEL
STIFF	STIFFENER
STL	STEEL
SYMM	SYMMETRICAL
T/	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WWF	WELDED WIRE FABRIC
WF	WIDE FLANGE
W/	WITH
W.P.	WORK POINT
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EW	EACH WAY
FRP	FIBERGLASS REINFORCED PLASTIC
FTG	FOOTING
H	HIGH
HCA	HEADED CONCRETE ANCHOR
HPT	HIGH POINT
INV	INVERT
JT	JOINT
LAND	LANDING
LG	LONG
LLV	LONG LEG VERTICAL
LPT	LOW POINT
MFR	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
NO	NUMBER
TYP	TYPICAL
UNO	UNLESS OTHERWISE
EW	EACH WAY

PROJECT:  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

OWNER:  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:



DEVELOPER:  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:



ARCHITECT:  
Naeem Ahmadi

STRUCTURAL ENGINEER:  
Nasratullah Nasrat

ELECTRICAL ENGINEER:  
ABDUL HANAN ZAFARMAL

PLUMBING ENGINEER:  
NAEEM AHMADI

MECHANICAL ENGINEER:  
ABDUL HANAN ZAFARMAL

### DRAWING ISSUE HISTORY

REV	DESCRIPTION	DATE

PROJECT NO / KEY:  
-----

DESIGN / PROJECT STATUS:  
**FOR TENDER ONLY**

### KEYPLAN:



DRAWN BY: - HAMIDULLAH	SEAL/SIGNATURE:
CHECKED BY: - NASRATULLAH	
REVIEWED BY: -	
APPROVED BY: -	

FILE REF. / NAME:  
S-001.dwg

SCALE:  
AS NOTED

ISSUE DATE:  
07-May-2023

DRG TITLE:  
**GENERAL STRUCTURAL NOTES  
& ABBREVIATION**

DRG REF NO:  
**S-001**

REV NO:  
**0**

SHEET 02 of 15

© COPYRIGHT 2017

- A. PLATE SIZES ARE GIVEN IN MILLIMETERS, THUS 200X150X12.
- B. ROLLED STEEL SHAPES ARE INDICATED BY AISC NOTATION THUS, W6X9.
- C. ANGLE SIZES ARE GIVEN IN MILLIMETERS, THUS 100X100X6.
- D. WELDING NOTATION SIZE, LENGTH AND SPACING ARE GIVEN IN MILLIMETERS WITH SYMBOLS IN ACCORDANCE WITH AWS.
- E. BOLT SIZES ARE GIVEN IN MILLIMETERS, THUS Ø19 BOLT.

**F. CONCRETE MASONRY**

- 4.1 MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF THESE CONTRACT DOCUMENTS AND THE PROJECT SPECIFICATION.
- 4.2 THE SPECIFIED ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f<sub>m</sub>) ON THE NET AREA IS A MINIMUM OF 10.4 MPa.
- 4.3 PROVIDE TWO #16 BARS CONTINUOUS IN ALL MASONRY LINTELS UON ON THE SHEET. BOND BEAM REINFORCING SHALL BE CONTINUOUS AND SPACED AT A MAXIMUM OF 1200mm OC VERTICALLY. ALL BOND BEAMS SHALL BE A MINIMUM OF 200mm IN DEPTH WITH REINFORCING BEING CONTINUOUS AND HAVING STANDARD ACI HOOKS AT EACH END. PROVIDE STANDARD BAR SPLICES AS SPECIFIED.
- 4.4 FOR WALL REINFORCING SEE "MIN CMU WALL REINFORCING" DETAILS ON SHEET S10. PROVIDE STANDARD BAR SPLICES AS SPECIFIED. ALL VERTICAL REINFORCEMENT EXTENDS FULL HEIGHT OF WALL.
- 4.5 CMU CELL THAT REQUIRE VERTICAL REINFORCING BARS AS INDICATED ON THE CONTRACT DRAWINGS AND/OR SPECS SHALL HAVE REINFORCE BARS PLACED IN CENTERS OF CMU CELLS AND CONTINUOUSLY GROUTED UON.
- 4.6 PROVIDE LADDER TYPE JOINT REINFORCEMENT AT 200mm EXTERIOR, & INTERIOR ON CENTER MAXIMUM, UON MINIMUM ROD SIZE USED SHALL BE 9 GA. DEFORMED WIRE AND CONFORM TO ASTM A82M, UON.
- 4.7 PROVIDE CONTROL JOINTS AS INDICATED ON THE ARCHITECTURAL SHEET.
- 4.8 GROUT FOR MASONRY SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa AT 28 DAYS. GROUT SHALL CONFORM TO ASTM C476M. GROUT LIFTS SHALL NOT EXCEED 1400mm.
- 4.9 USE MORTAR TYPES CONFORMING TO ASTM C270M, SEE SPECIFICATIONS.
- 4.10 CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT AND CONFORM TO ASTM C90M.
- 4.11 ALL CMU CELLS, OPEN CAVITIES, AND AIR SPACES SHALL BE GROUTED TO STOP FRAGMENTS FROM MORTAR BLANST.
- 4.12 BOND BEAM REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS (UON). MAXIMUM CONTROL JOINT SPACING SHALL BE AS INDICATED ON THE ARCHITECTURAL SHEETS.
- 4.13 CONTRACTOR SHALL COORDINATE LOCATION OF ALL OPENINGS SEE ARCH, MECH, ELEC AND PLUMBING SHEETS FOR SIZE AND LOCATION OF OPENINGS.
- 4.14 MASONRY WALLS SHALL NOT BE BACK FILLED PRIOR TO THE MORTAR AND GROUT ATTAINING THEIR RESPECTIVE MAXIMUM DESIGN STRENGTHS PER SPECIFICATIONS.

**G. METAL ROOF DECKING**

- 1. ROOF DECKING SHALL CONFORM TO THE LATEST S.D.I. "STEEL DECK DESIGN MANUAL".
- 2. ROOF DECK SHALL BE 0.90mm THICK 38mm DEEP WIDE RIB WITH THE FOLLOWING PROPERTIES:  
 F<sub>y</sub> = 229 MPa  
 MIN. I = 300mm<sup>4</sup>  
 MIN. Sp = 13.4mm<sup>3</sup>  
 MIN. Sn = 14.0mm<sup>3</sup>
- 3. LIGHT GAGE FRAMING AND MECHANICAL, ELECTRICAL OR OTHER EQUIPMENT SHALL NOT BE SUSPENDED FROM OR ATTACHED TO ANY METAL ROOF DECKING.
- 4. THE SPACING OF WELDS AND MECHANICAL FASTENERS REQUIRED FOR SATISFACTORY ATTACHMENT OF DECK TO SUPPORTING MEMBERS SHALL BE AS NOTED IN THE SPECIFICATIONS.
- 5. FOR ROOF OPENINGS LARGER THAN 305mm, PROVIDE STRUCTURAL STEEL FRAMING ON ALL SIDES OF THE OPENING. FOR OPENINGS LESS THAN 305mm, SEE SPECIFICATIONS SECTION 05310 FOR REINFORCING DECK OPENINGS.

**H. FOUNDATIONS/SLABS-ON-GRADE**

- 1. FOUNDATION DESIGN IS BASED ON A MAXIMUM ALLOWABLE BEARING PRESSURE OF 98 kPa FOR INTERIOR FOUNDATIONS AND 98 kPa FOR EXTERIOR FOUNDATIONS. BEARING CAPACITY IS BASED ON GEO-TECHNICAL REPORT BY BAES.
- 2. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 800mm BELOW FINISH GRADE.
- 3. ALL FOOTINGS SHALL BE PLACED ON 150mm (MIN) COARSE AGGREGATE LAYER.
- 4. PROVIDE EXCAVATION SUPPORT MEASURES SUFFICIENT TO PROTECT ADJACENT FACILITIES FROM DETRIMENTAL MOVEMENT. DESIGN, INSTALL, AND MONITOR SUPPORT MEASURES AND ADJACENT FACILITIES IN ACCORDANCE WITH THE SPECIFICATIONS.
- 5. PROVIDE SUFFICIENT DEWATERING MEASURES TO ALLOW ALL WORK TO PROCEED IN THE DRY. MAINTAIN GROUNDWATER LEVELS AT LEAST 610mm BELOW WORKING SUBGRADE.
- 6. PROOF ROLL ALL FLOOR SLAB SUBGRADES IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTING OFFICER WILL OBSERVE PROOFROLLING, AND DETERMINE THE SUITABILITY OF THE SUBGRADE MATERIALS. IF DIRECTED BY THE CONTRACTING OFFICER, REMOVE UNSUITABLE MATERIALS AND REPLACE WITH SUITABLE SOIL BENEATH THE FLOOR SLABS. NOTIFY THE CONTRACTING OFFICER A MINIMUM OF 48 HOURS IN ADVANCE OF PROOFROLLING.
- 7. PLACE VAPOR BARRIER DIRECTLY UNDER SLABS OVER A MINIMUM OF 200mm OF COMPACTED COARSE AGGREGATE LAYER.
- 8. ALL STRUCTURAL FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 203mm LOOSE THICKNESS AND WITHIN TWO PERCENT OPTIMUM MOISTURE FOR COMPACTION. THE FILL SHOULD BE COMPACTED TO 100 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR METHOD (ASTM D1557).
- 9. INTERIOR SLABS ON GRADE JOINTS (SAW CUT OR CONSTRUCTION) SHALL BE AS STATED IN THE SPECIFICATION SECTION 03300. CONTRACTOR SHALL SUBMIT PLAN FOR APPROVAL PRIOR TO CONSTRUCTION.

LOCATION OF SOME SPLICES ARE SHOWN ON DRAWINGS, SPLICES NOT SHOWN DRAWING SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS FOR DETAILING REINFORCEMENT AND AS APPROVED BY THE CONTRACTING OFFICER.

WHEN REINFORCEMENT OF DIFFERENT SIZE SPLICES THE LAP LENGTH IS GOVERNED BY THE SMALLER BAR UNLESS NOTED OTHERWISE.

WALL AND SLAB REINFORCEMENT SPLICES ARE TO BE MADE SO THAT REQUIRED CLEARANCES ARE MAINTAINED.

TENSION LAP SPLICES		
AS PROVIDED	MAXIMUM OF % REBAR SPLICED WITHIN REQUIRED LAP LENGTH	
AS REQUIRED	50	100
EQUAL OR GREATER THAN 2	CLASS A	CLASS B
LESS THAN 2	CLASS B	CLASS B

TENSION LAP SPlice LENGTH SHALL BE AS FOLLOWS:

FOR CLASS "A" SPLICES 1.0 l<sub>d</sub>

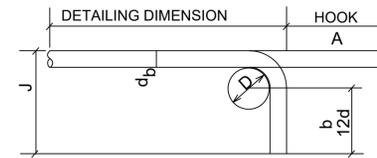
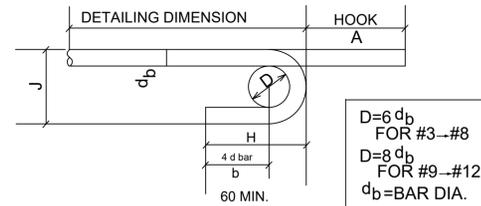
FOR CLASS "B" SPLICES 1.3 l<sub>d</sub>

WHERE l<sub>d</sub> IS THE BASIC TENSION DEVELOPMENT LENGTH.

CONCRETE	TYPE OF BARS	BAR SIZE										
		#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#14
28 MPA	420 MPA	400	500	600	700	800	1000	1200	1600	1800	2000	2400

**EQUIVALENT REINFORCING BAR SIZE CHART**

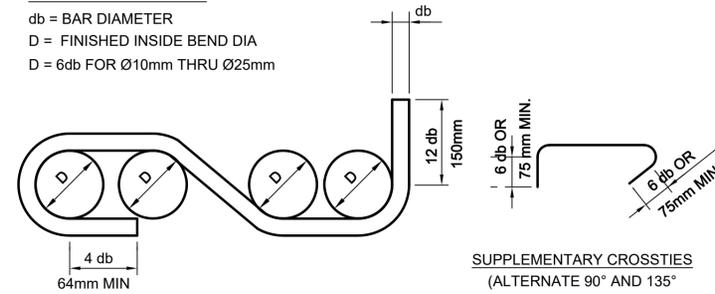
ACI DESIGNATION	METRIC DIAMETER (MM)
# 3	Ø10
# 4	Ø13
# 5	Ø16
# 6	Ø19
# 7	Ø22
# 8	Ø25
# 9	Ø29
# 10	Ø32
# 11	Ø36
# 12	Ø38
# 14	Ø43



SIZES OF 180° HOOK			
BAR SIZE	A	J	APPROX H
# 3	130	80	100
# 4	150	100	110
# 5	180	130	130
# 6	200	150	150
# 7	250	180	180
# 8	280	200	200
# 9	380	290	260
# 10	430	320	290
# 11	480	360	320
# 12	530	380	450
# 14	600	420	550

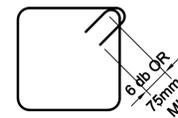
SIZES OF 90° HOOK		
BAR SIZE	A	J
# 3	140	150
# 4	190	220
# 5	230	270
# 6	270	320
# 7	320	370
# 8	370	430
# 9	420	480
# 10	470	580
# 11	520	610
# 12	570	650
# 14	620	680

**BEND DIAMETER SCHED**  
 db = BAR DIAMETER  
 D = FINISHED INSIDE BEND DIA  
 D = 6db FOR Ø10mm THRU Ø25mm



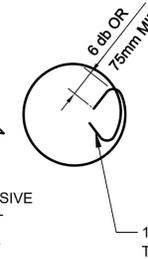
**STANDARD HOOKS AND BENDS**

WALL BARS SHALL BE TIED TOGETHER

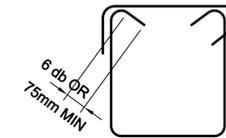


**COLUMN TIES**

SPLICES FOR SUCCESSIVE TIES TO BE PLACED AT ALTERNATE CORNERS



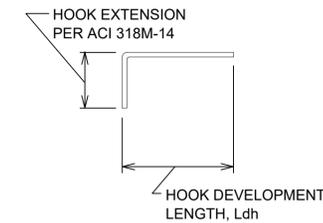
**SUPPLEMENTARY CROSSTIES**  
 (ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE CROSSTIES)



**BEAM STIRRUPS**

**REINFORCEMENT BENDING DETAILS**

STANDARD HOOKS IN TENSION PER (ACI 318M-14)	
HOOK DEVELOPMENT LENGTH L <sub>dh</sub> (mm)	
BAR SIZE	f <sub>c</sub> 28 MPa
#10	180
#12	250
#16	300
#20	380
#22	430
#25	480
#29	560
#32	610
#36	690



**NOTES:**

- 1. CONCRETE IS NORMAL WEIGHT CONCRETE.
- 2. BAR YIELD STRENGTH, f<sub>y</sub> = 420 MPa
- 3. SIDE COVER REQUIREMENTS OF ACI SECT. 12.5.3 ARE ASSUMED TO NOT BE MET.
- 4. TIE OR STIRRUP REQUIREMENTS OF ACI SECT. 12.5.3 ARE ASSUMED TO NOT BE MET.
- 5. REDUCTION FOR EXCESS REINFORCEMENT IS NOT TAKEN.
- 6. HOOK DEVELOPMENT LENGTH IS VALID FOR 180° HOOKS ALSO.

CONCRETE MATERIALS SCHEDULE	
STRUCTURAL ELEMENT	f <sub>c</sub> CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS (MPa)
SLAB-ON-GRADE/TURN-DOWN SLABS	25
FLOOR SLABS	25
ALL FOOTINGS (UON)	25
MISC. CURBS, WALLS AND PADS UNO	25
CAST-IN-PLACE LINTEL	25
CONCETE FRAMING-BEAMS AND COLUMNS	25

**NOTES:**  
 1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. (2400 Kg/m<sup>3</sup> UNO NOTED).  
 2. ALL CONCRETE SHALL HAVE A MAX WATER-CEMENT RATIO OF 0.45.

**01 GENERAL STRUCTURAL NOTES & DETAILS**  
 S-002 1:50

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION FWC & MHL PROJECT IN MALALAI NATIONAL AND SPECIALIZED HOSPITAL KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**

**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD & CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**

**ARCHITECT:**  
 Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
 NAEEM AHMADI

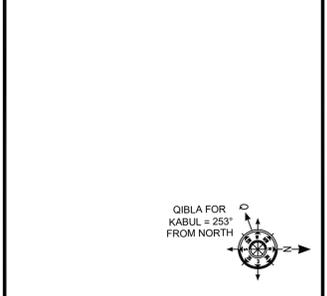
**MECHANICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - HAMIDULLAH  
**CHECKED BY:**  
 - NASRATULLAH  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**FILE REF. / NAME:**  
 S-002.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**GENERAL STRUCTURAL NOTES & DETAILS**

**DRG REF NO:**  
 S-002  
**REV NO:**  
 0

**SHEET** 03 **of** 15

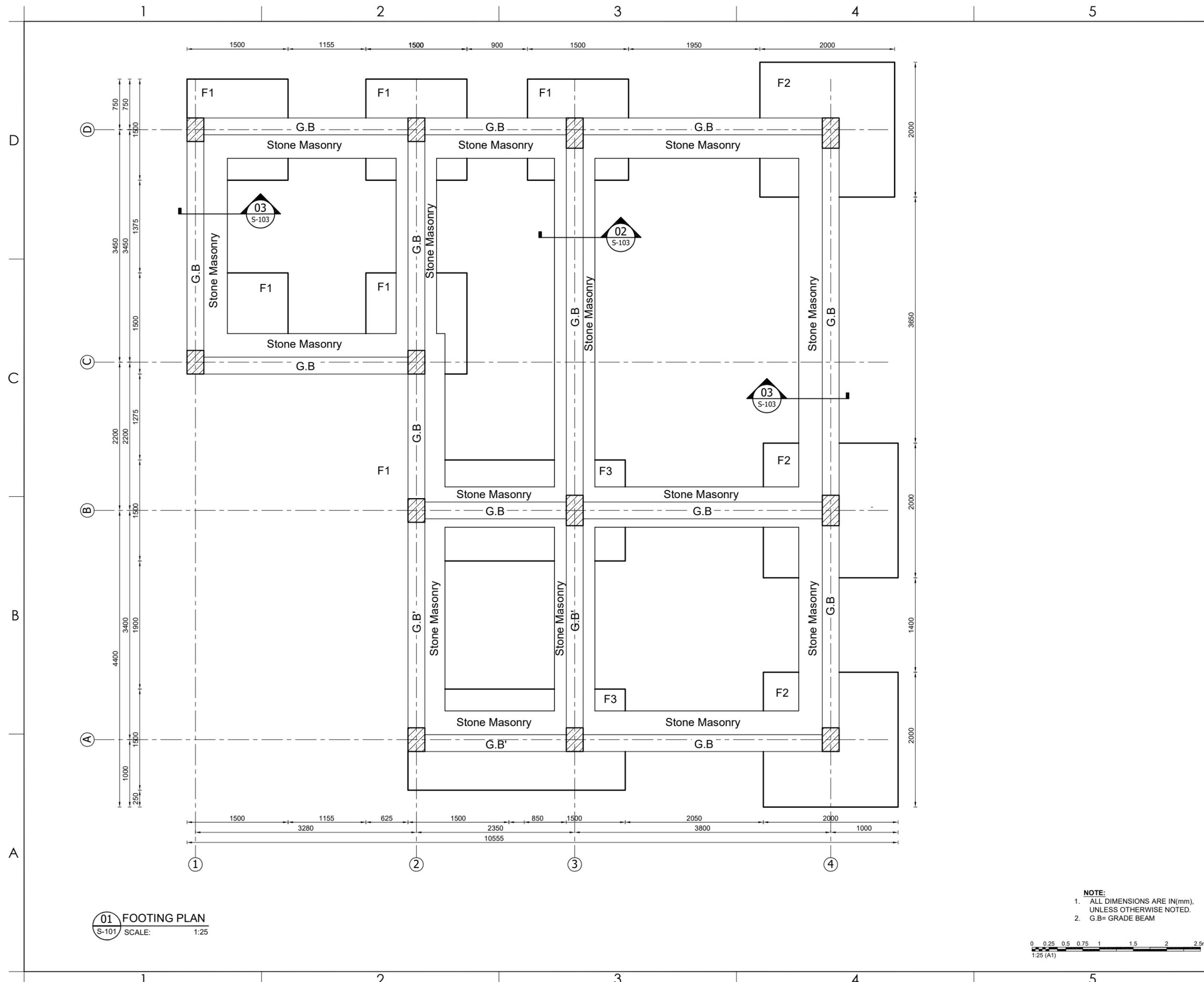
© COPYRIGHT 2017

D

C

B

A



**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 AND SPECIALIZED HOSPITAL  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnaahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL  
**PLUMBING ENGINEER:**  
 NAEEM AHMADI  
**MECHANICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**DRAWN BY:**  
 - HAMIDULLAH  
**CHECKED BY:**  
 - NASRATULLAH  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 S-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**FOOTING PLAN**

**DRG REF NO:**  
 S-101  
**REV NO:**  
 0

**SHEET** 04 **of** 15  
 © COPYRIGHT 2017

**01 FOOTING PLAN**  
 S-101 SCALE: 1:25

**NOTE:**  
 1. ALL DIMENSIONS ARE IN(mm),  
 UNLESS OTHERWISE NOTED.  
 2. G.B= GRADE BEAM

0 0.25 0.5 0.75 1 1.5 2 2.5m  
 1:25 (A1)

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL  
**PLUMBING ENGINEER:**  
NAEEM AHMADI  
**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



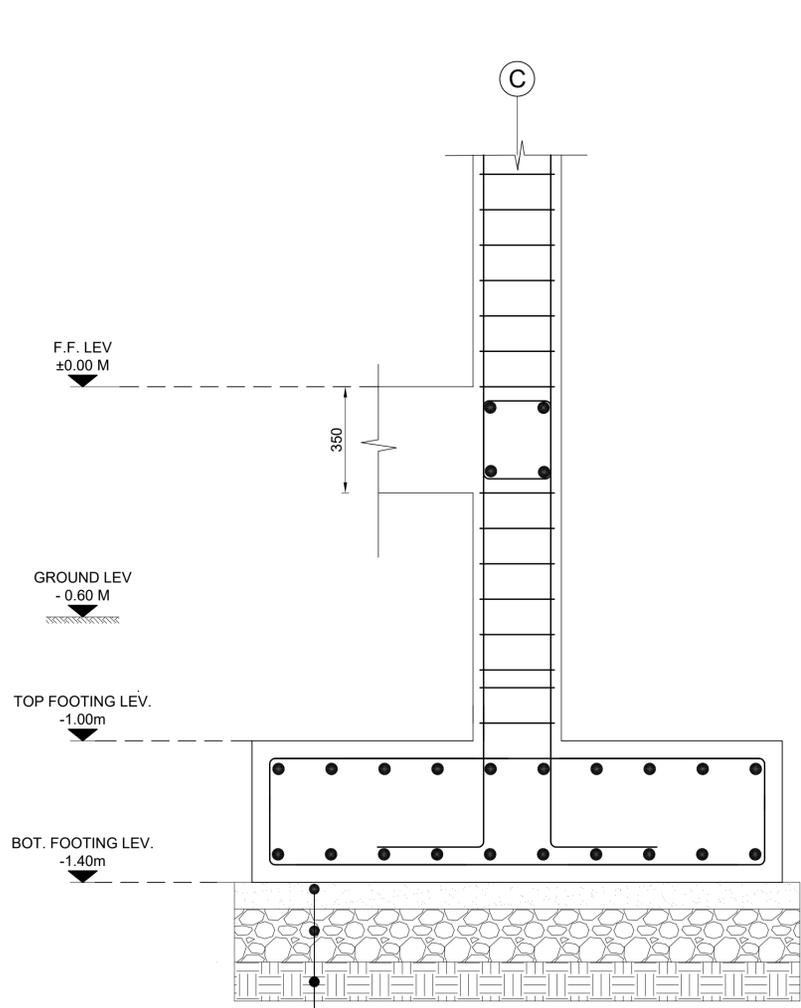
<b>DRAWN BY:</b> - HAMIDULLAH	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> - NASRATULLAH	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
S-102.dwg  
**SCALE:** AS NOTED      **ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**FOOTING PLAN AND SECTION**

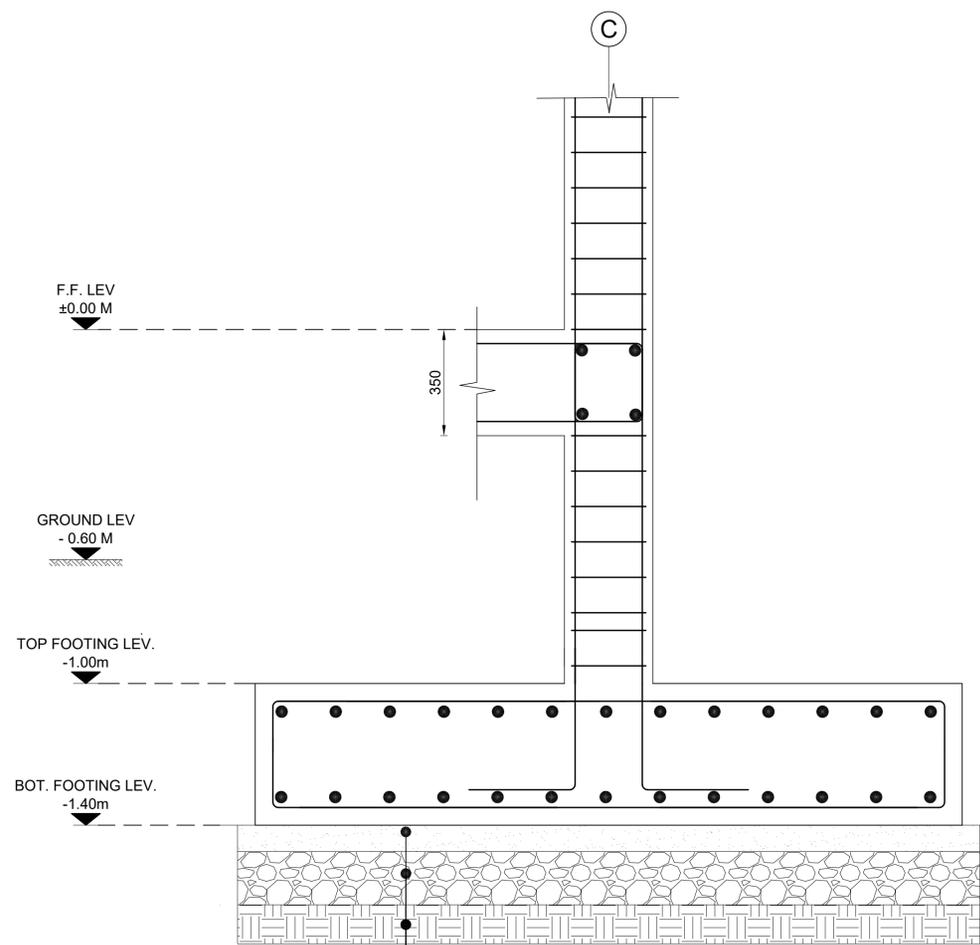
<b>DRG REF NO:</b> S-102	<b>REV NO:</b> 0
<b>SHEET 05 of 15</b>	

D  
C  
B  
A



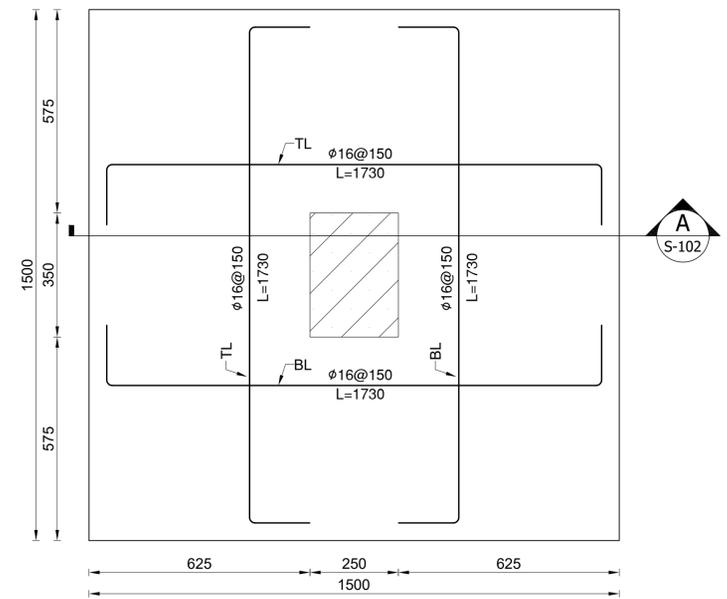
**A FOOTING SECTION**  
S-102 SCALE: 1:10

75mm THK. PCC  
150mm THK. STONE BOULDER  
COMPACTED NATURAL  
GROUND 65%

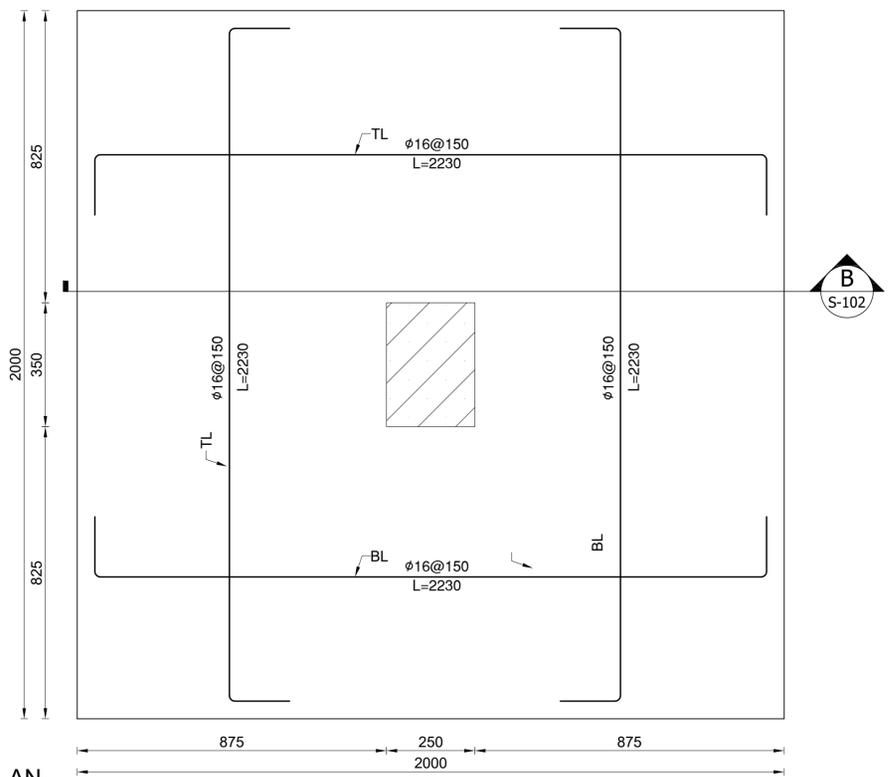


**B FOOTING SECTION**  
S-102 SCALE: 1:10

75mm THK. PCC  
150mm THK. STONE BOULDER  
COMPACTED NATURAL  
GROUND 65%



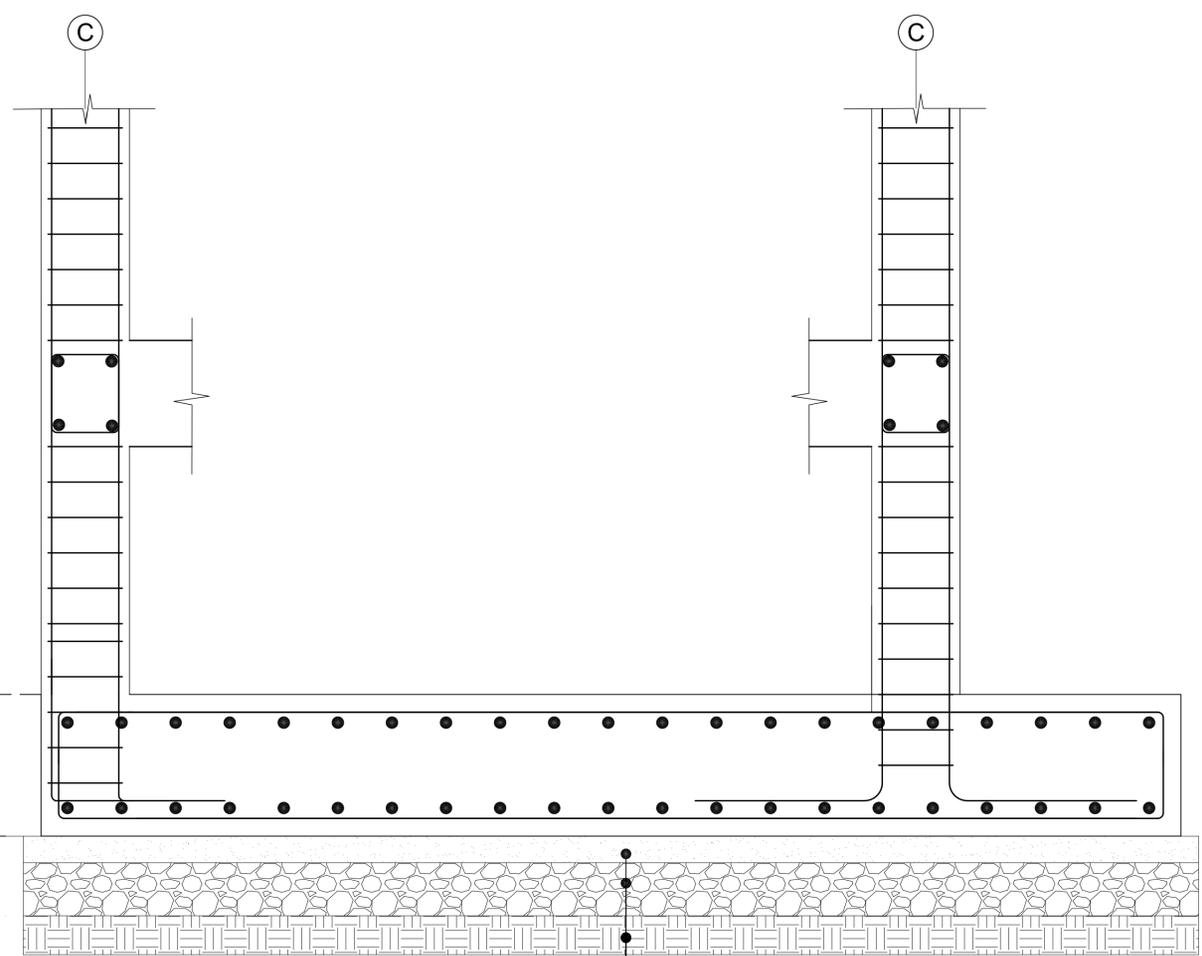
**F1 FOOTING PLAN**  
S-101 SCALE: 1:10



**F2 FOOTING PLAN**  
S-101 SCALE: 1:10

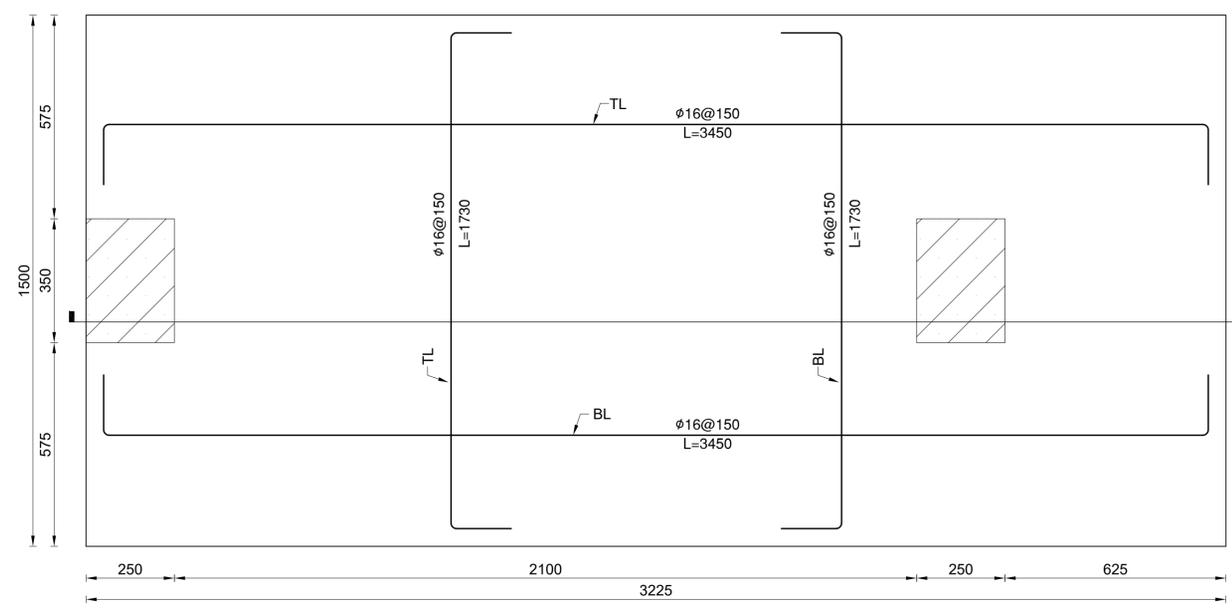
DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS  
DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION  
CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS

D  
C  
B  
A



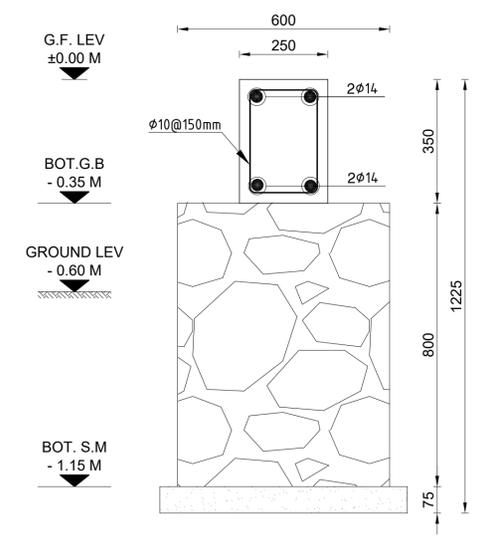
**C FOOTING SECTION**  
S-103 SCALE: 1:10

PCC (50mm)  
150mm THK. 95% COMPACTED  
ENGINEERED FILL  
UPGRADE SOIL TO BE  
COMPACTED TO 80% MDD

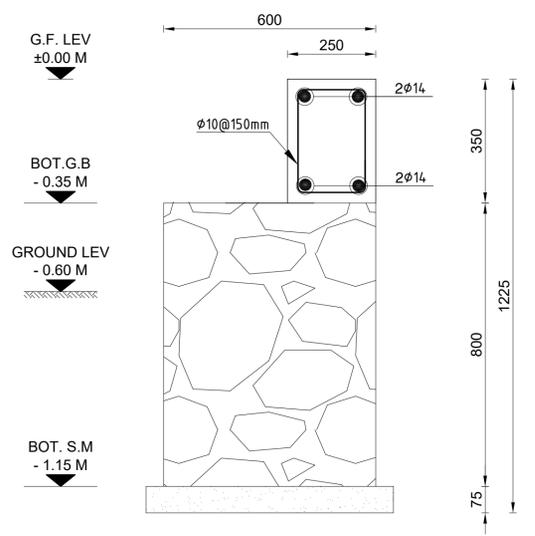


**F3 FOOTING SECTION**  
S-101 SCALE: 1:10

**02 FOOTING SECTION**  
S-101 SCALE: 1:10



**03 FOOTING SECTION**  
S-101 SCALE: 1:10



**C S-102**

- NOTE:**
- ALL DIMENSIONS ARE IN(MM), UNLESS OTHERWISE NOTED.
  - G.B= GRADE BEAM
  - LEV.= LEVEL
  - G.F.= GROUND FLOOR
  - BOT = BOTTOM
  - S.M.= STONE MASONRY



**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
NAEEM AHMADI

**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
KABUL = 25°  
FROM NORTH

<b>DRAWN BY:</b> - HAMIDULLAH	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> - NASRATULLAH	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

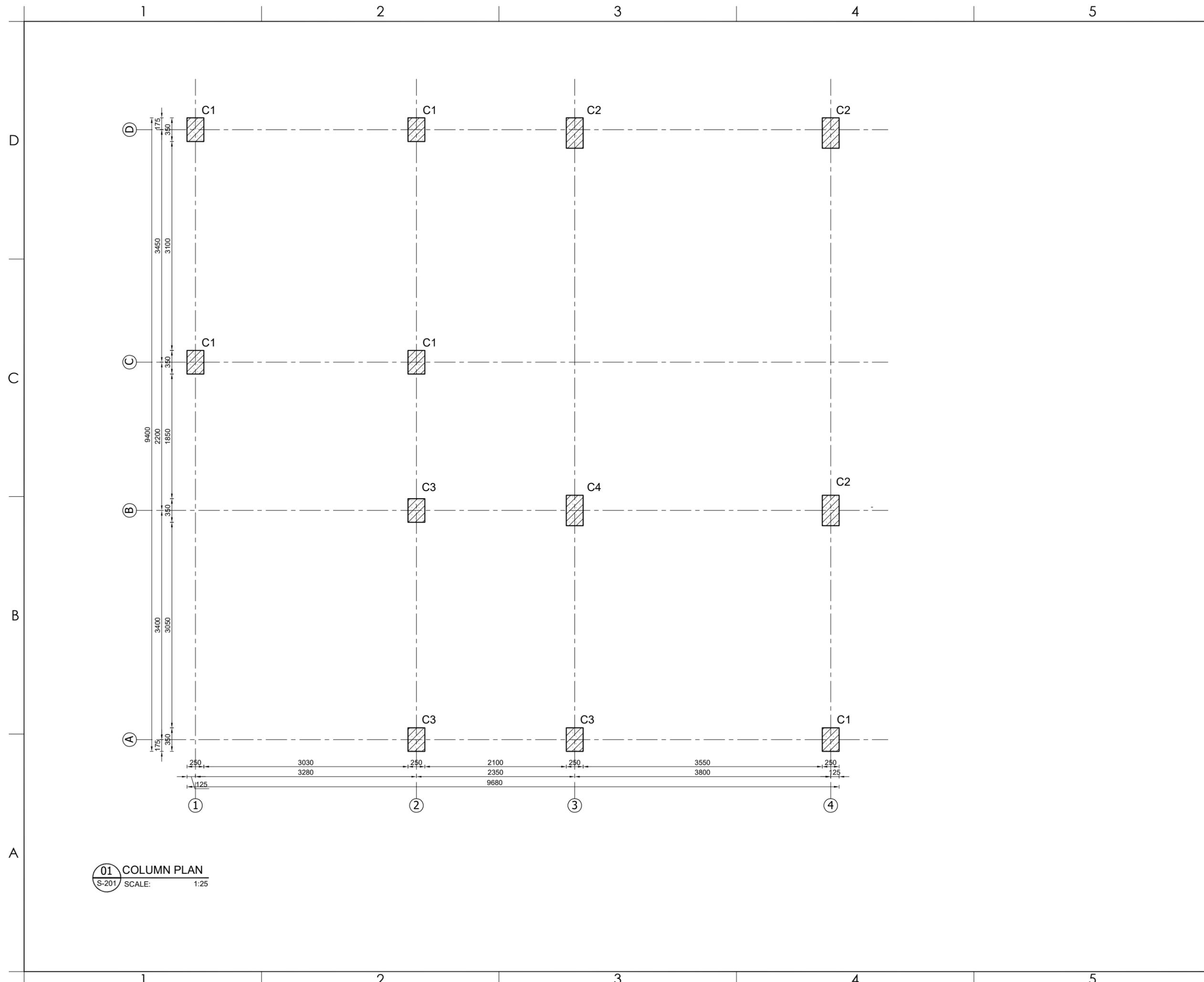
**FILE REF. / NAME:**  
S-103.dwg

<b>SCALE:</b> AS NOTED	<b>ISSUE DATE:</b> 07-May-2023
---------------------------	-----------------------------------

**DRG TITLE:**  
**FOOTING SECTION**

<b>DRG REF NO:</b> S-103	<b>REV NO:</b> 0
<b>SHEET 06 of 15</b>	

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 AND SPECIALIZED HOSPITAL  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
 NAEEM AHMADI

**MECHANICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**QIBLA FOR KABUL = 25° FROM NORTH**

**DRAWN BY:**  
 - HAMIDULLAH  
**CHECKED BY:**  
 - NASRATULLAH  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 S-201.dwg

**SCALE:**  
 AS NOTED

**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**COLUMN PLAN**

**DRG REF NO:**  
 S-201

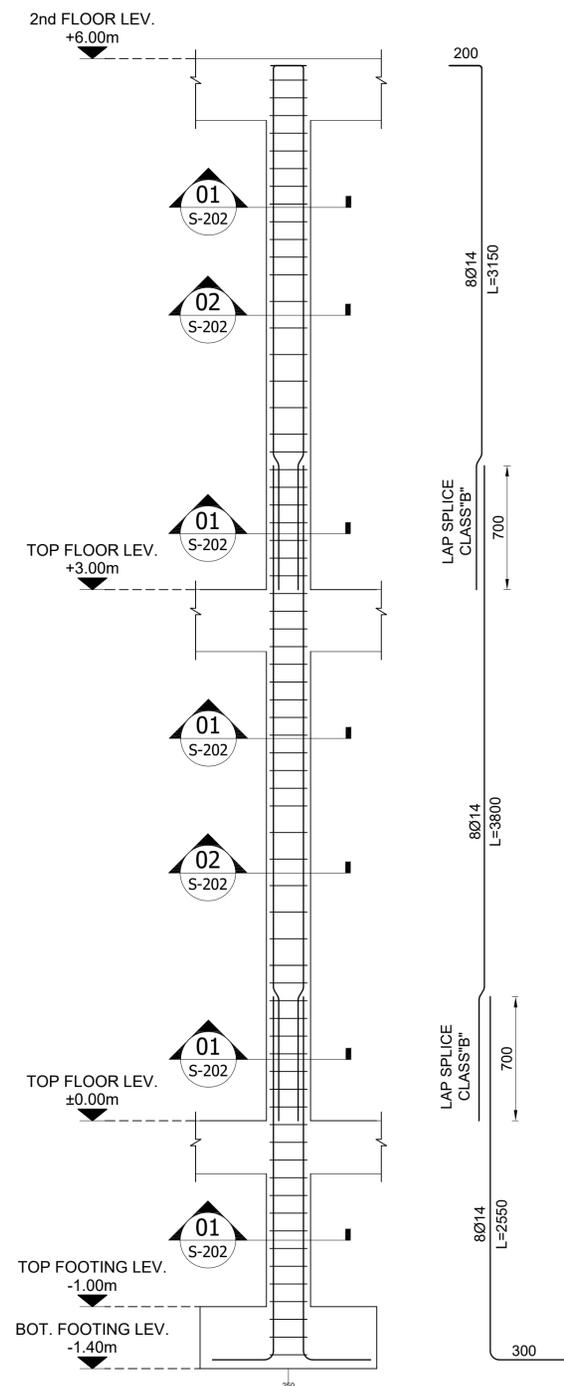
**REV NO:**  
 0

**SHEET** 07 **of** 15

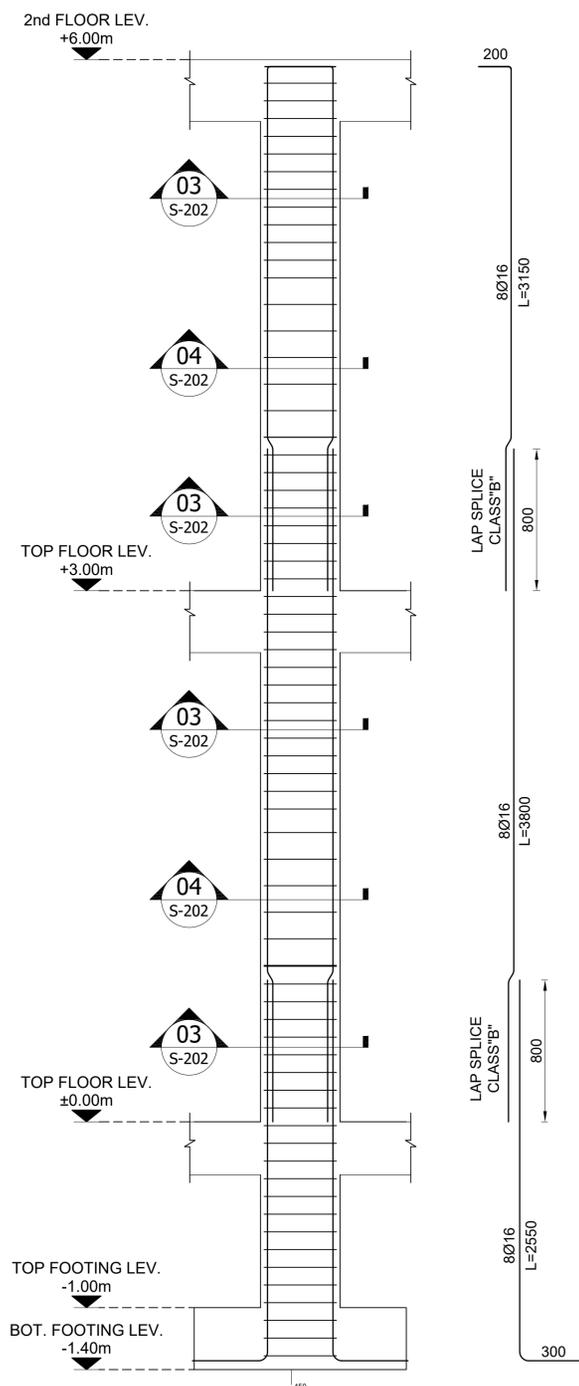
**01 COLUMN PLAN**  
 S-201 SCALE: 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

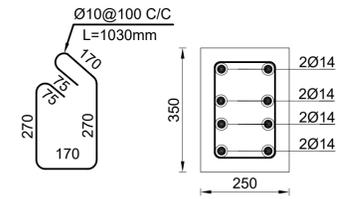
D  
C  
B  
A



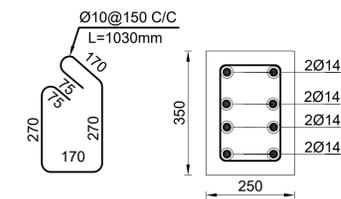
**C1 COLUMN ELEVATION**  
S-201 SCALE: 1:20



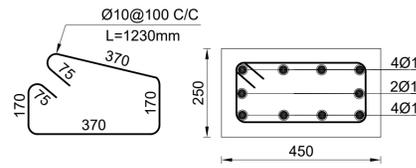
**C2 COLUMN ELEVATION**  
S-201 SCALE: 1:20



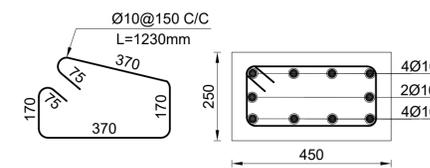
**01 COLUMN SECTION**  
S-202 SCALE: 1:10



**02 COLUMN SECTION**  
S-202 SCALE: 1:10



**03 COLUMN SECTION**  
S-202 SCALE: 1:10



**04 COLUMN SECTION**  
S-202 SCALE: 1:10

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL  
**PLUMBING ENGINEER:**  
NAEEM AHMADI  
**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
KABUL = 253°  
FROM NORTH

<b>DRAWN BY:</b> - HAMIDULLAH	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> - NASRATULLAH	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

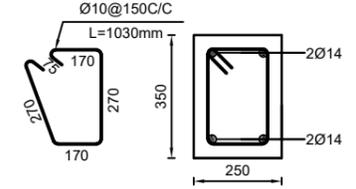
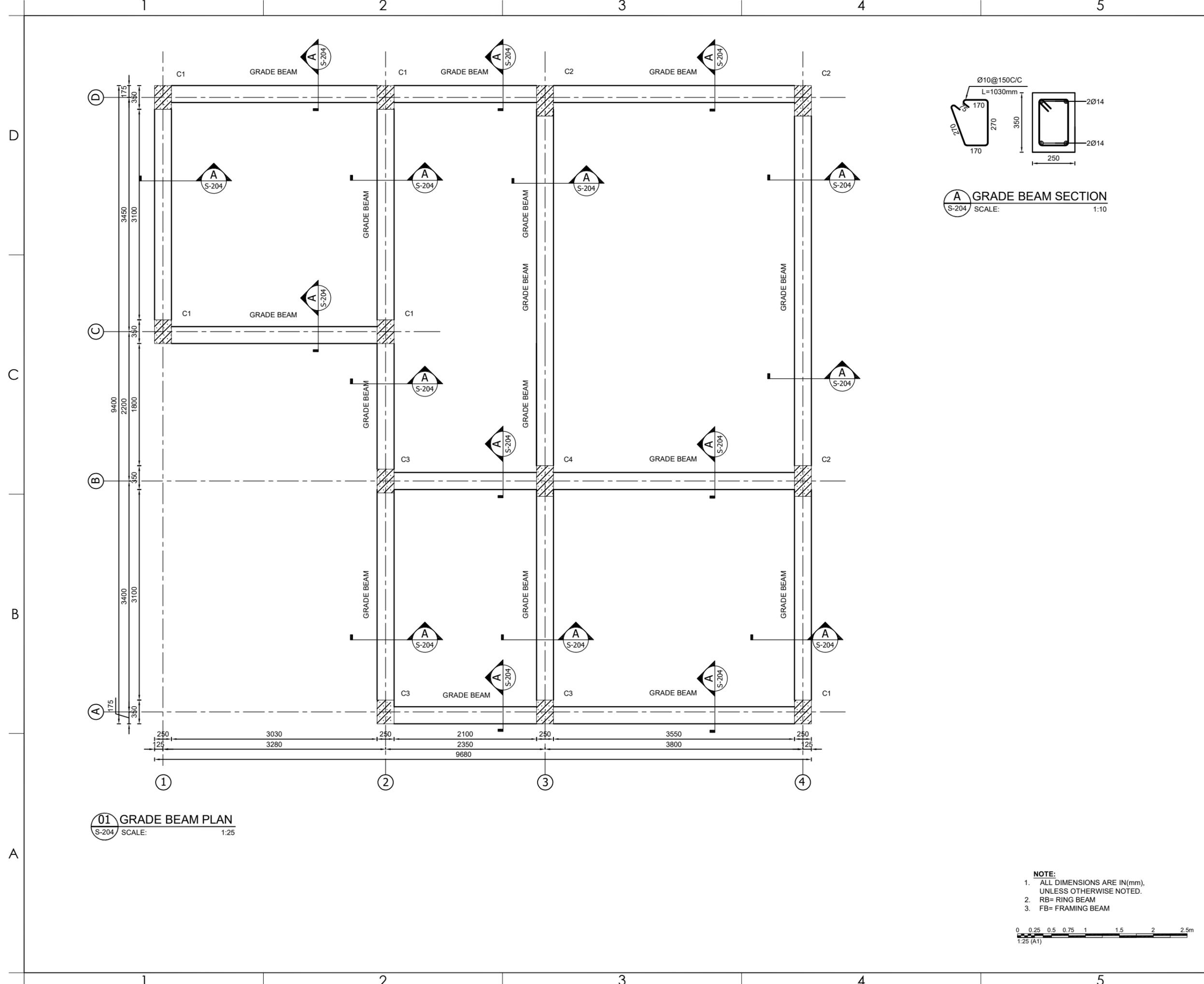
**FILE REF. / NAME:**  
S-202.dwg  
**SCALE:** AS NOTED      **ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**COLUMN ELEVATION AND SECTION**

<b>DRG REF NO:</b> S-202	<b>REV NO:</b> 0
<b>SHEET 08 of 15</b>	

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS





**A** GRADE BEAM SECTION  
S-204 SCALE: 1:10

**01** GRADE BEAM PLAN  
S-204 SCALE: 1:25

**NOTE:**  
1. ALL DIMENSIONS ARE IN(mm), UNLESS OTHERWISE NOTED.  
2. RB= RING BEAM  
3. FB= FRAMING BEAM



**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:

**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:

**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
NAEEM AHMADI

**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

PROJECT NO / KEY:  
-----

DESIGN / PROJECT STATUS:  
**FOR TENDER ONLY**

KEYPLAN:

QIBLA FOR  
KABUL = 283°  
FROM NORTH

DRAWN BY: - HAMIDULLAH	SEAL/SIGNATURE:
CHECKED BY: - NASRATULLAH	
REVIEWED BY: -	
APPROVED BY: -	

FILE REF. / NAME:  
S-204.dwg

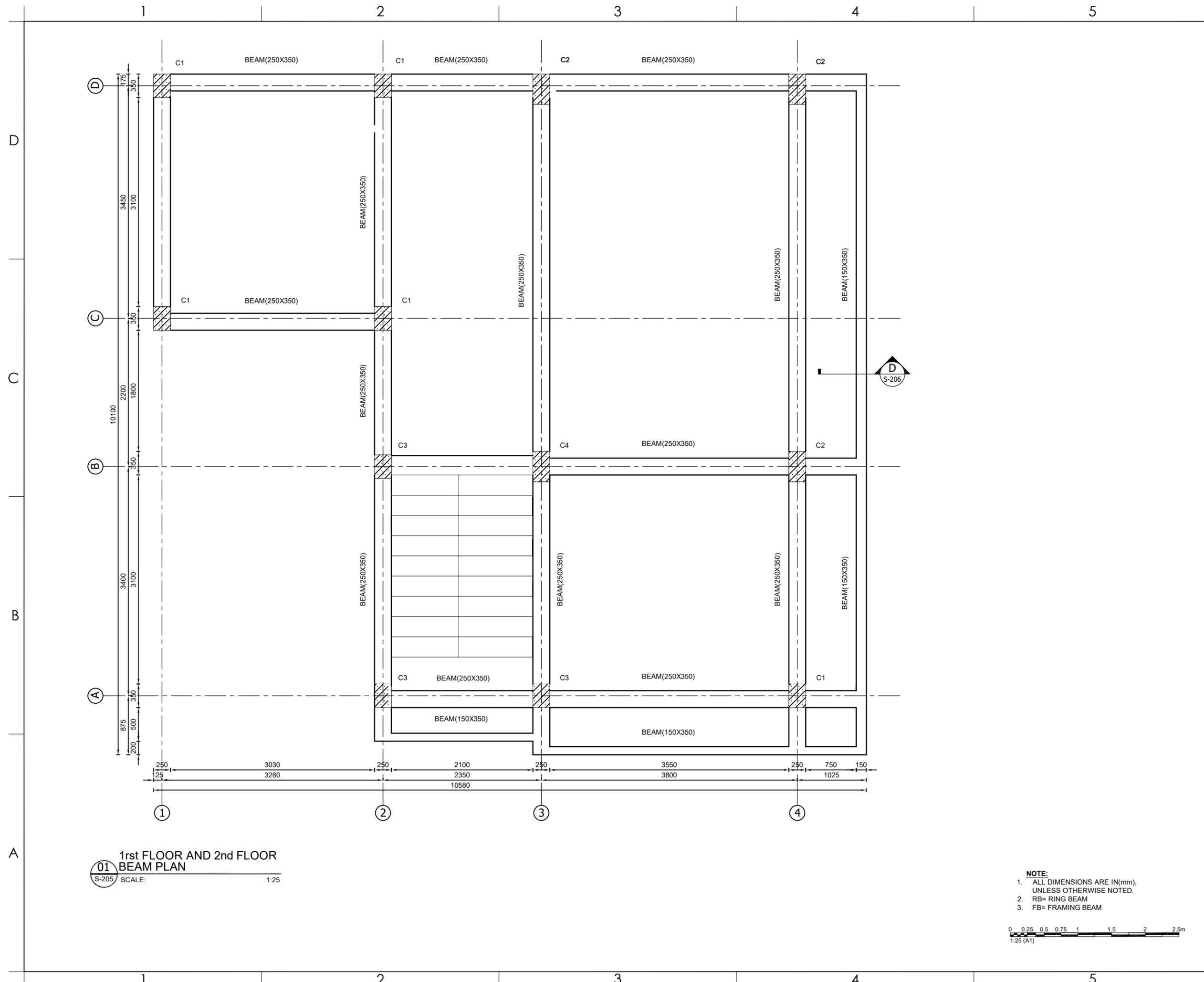
SCALE: AS NOTED      ISSUE DATE: 07-May-2023

DRG TITLE:  
**GRADE BEAM PLAN AND SECTION**

DRG REF NO: <b>S-204</b>	REV NO: <b>0</b>
SHEET 10 of 15	

© COPYRIGHT 2017

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**01** 1st FLOOR AND 2nd FLOOR BEAM PLAN  
S-205 SCALE: 1:25

**NOTE:**

- ALL DIMENSIONS ARE IN(mm), UNLESS OTHERWISE NOTED.
- RB= RING BEAM
- FB= FRAMING BEAM

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:

**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:

**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
NAEEM AHMADI

**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

PROJECT NO / KEY:  
-----

DESIGN / PROJECT STATUS:  
**FOR TENDER ONLY**

KEYPLAN:

QIBLA FOR KABUL = 25° FROM NORTH

DRAWN BY: - HAMIDULLAH	SEAL/SIGNATURE:
CHECKED BY: - NASRATULLAH	
REVIEWED BY: -	
APPROVED BY: -	

FILE REF. / NAME:  
S-205.dwg

SCALE: AS NOTED	ISSUE DATE: 07-May-2023
--------------------	----------------------------

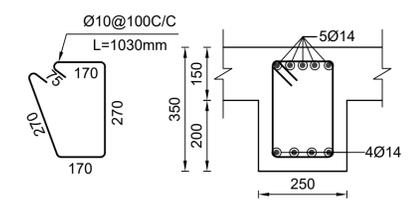
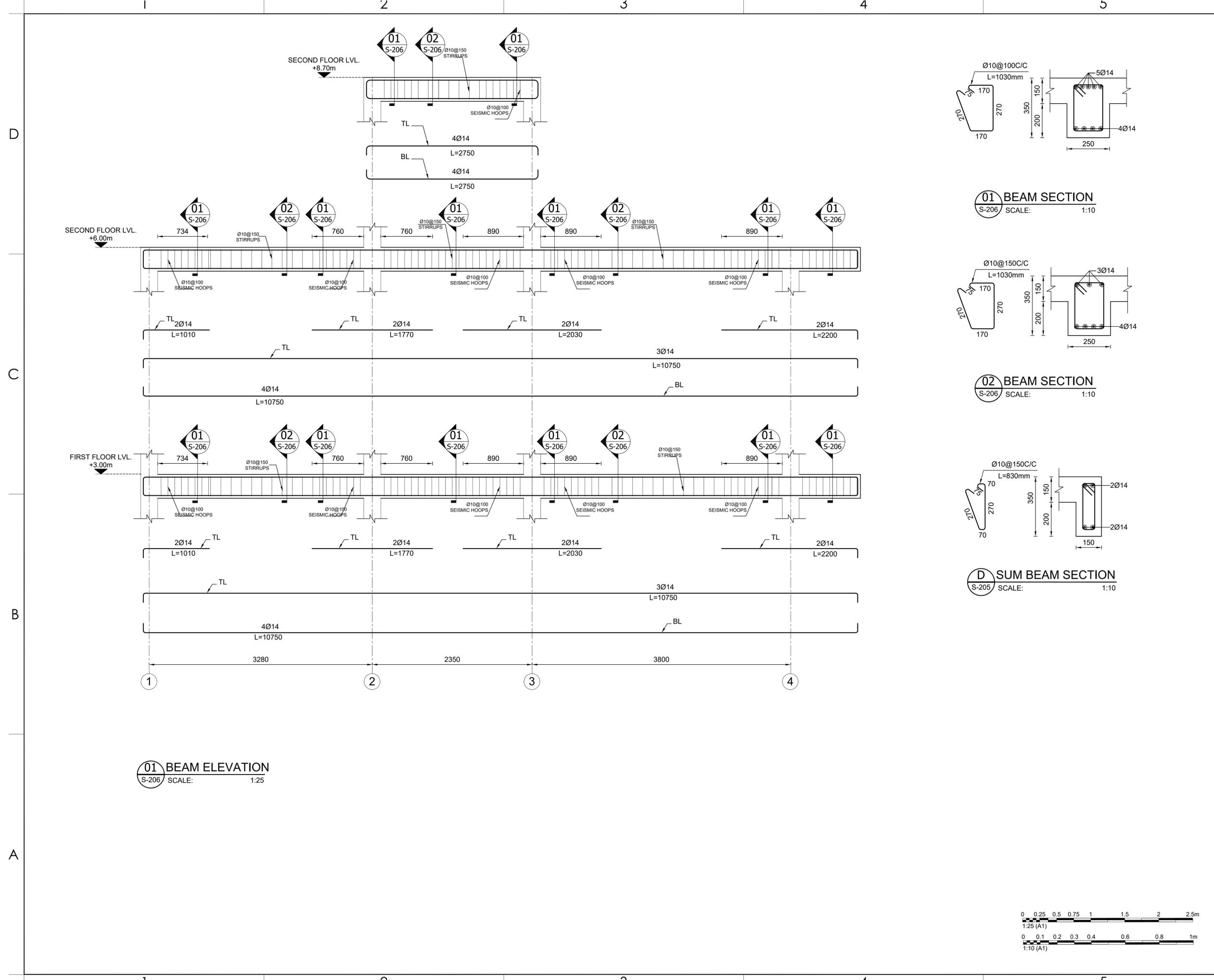
DRG TITLE:  
**1st FLOOR AND 2nd FLOOR BEAM PLAN**

DRG REF NO: <b>S-205</b>	REV NO: <b>0</b>
-----------------------------	---------------------

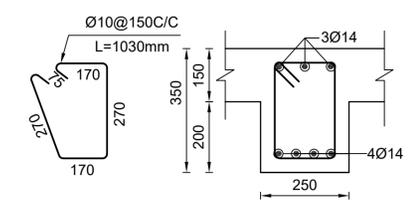
SHEET 11 of 15

© COPYRIGHT 2017

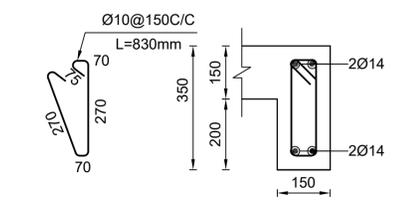
CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**01 BEAM SECTION**  
S-206 SCALE: 1:10

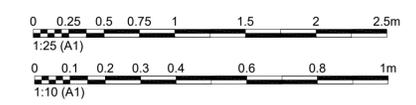


**02 BEAM SECTION**  
S-206 SCALE: 1:10



**D SUM BEAM SECTION**  
S-205 SCALE: 1:10

**01 BEAM ELEVATION**  
S-206 SCALE: 1:25



**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:

**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:

**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
NAEEM AHMADI

**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
KABUL = 253°  
FROM NORTH

<b>DRAWN BY:</b> - HAMDULLAH	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> - NASRATULLAH	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
S-206.dwg

<b>SCALE:</b> AS NOTED	<b>ISSUE DATE:</b> 07-May-2023
---------------------------	-----------------------------------

**DRG TITLE:**  
**BEAM ELEVATION AND SECTION**

<b>DRG REF NO:</b> S-206	<b>REV NO:</b> 0
-----------------------------	---------------------

**SHEET** 12 **of** 15

© COPYRIGHT 2017

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 AND SPECIALIZED HOSPITAL  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
 NAEEM AHMADI

**MECHANICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH

<b>DRAWN BY:</b> H. HAMIDULLAH	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> N. NASRATULLAH	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

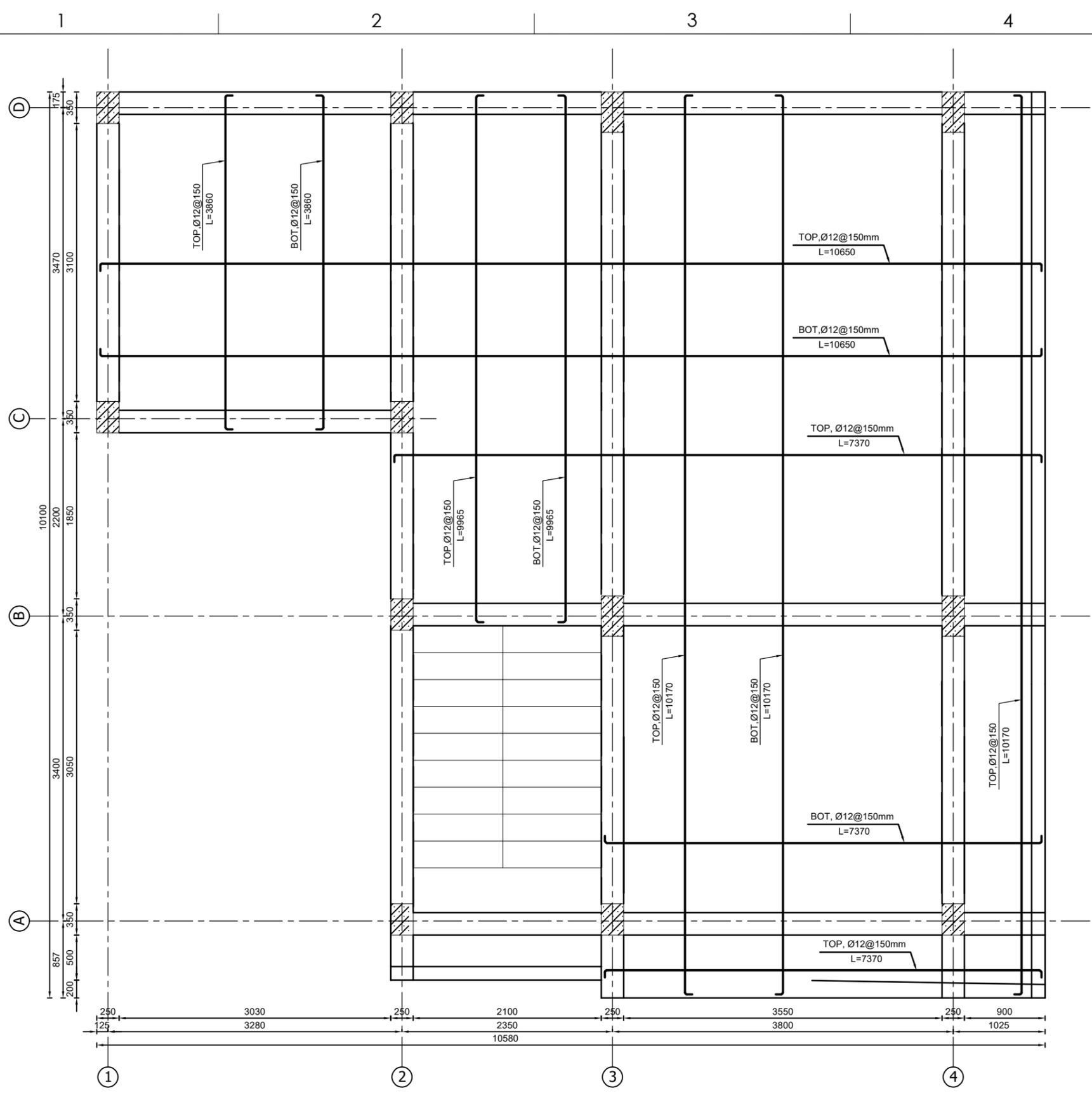
**FILE REF. / NAME:**  
 S-301.dwg

**SCALE:** AS NOTED      **ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
 1st FLOOR AND 2nd FLOOR  
 SLAB PLAN

<b>DRG REF NO:</b> S-301	<b>REV NO:</b> 0
-----------------------------	---------------------

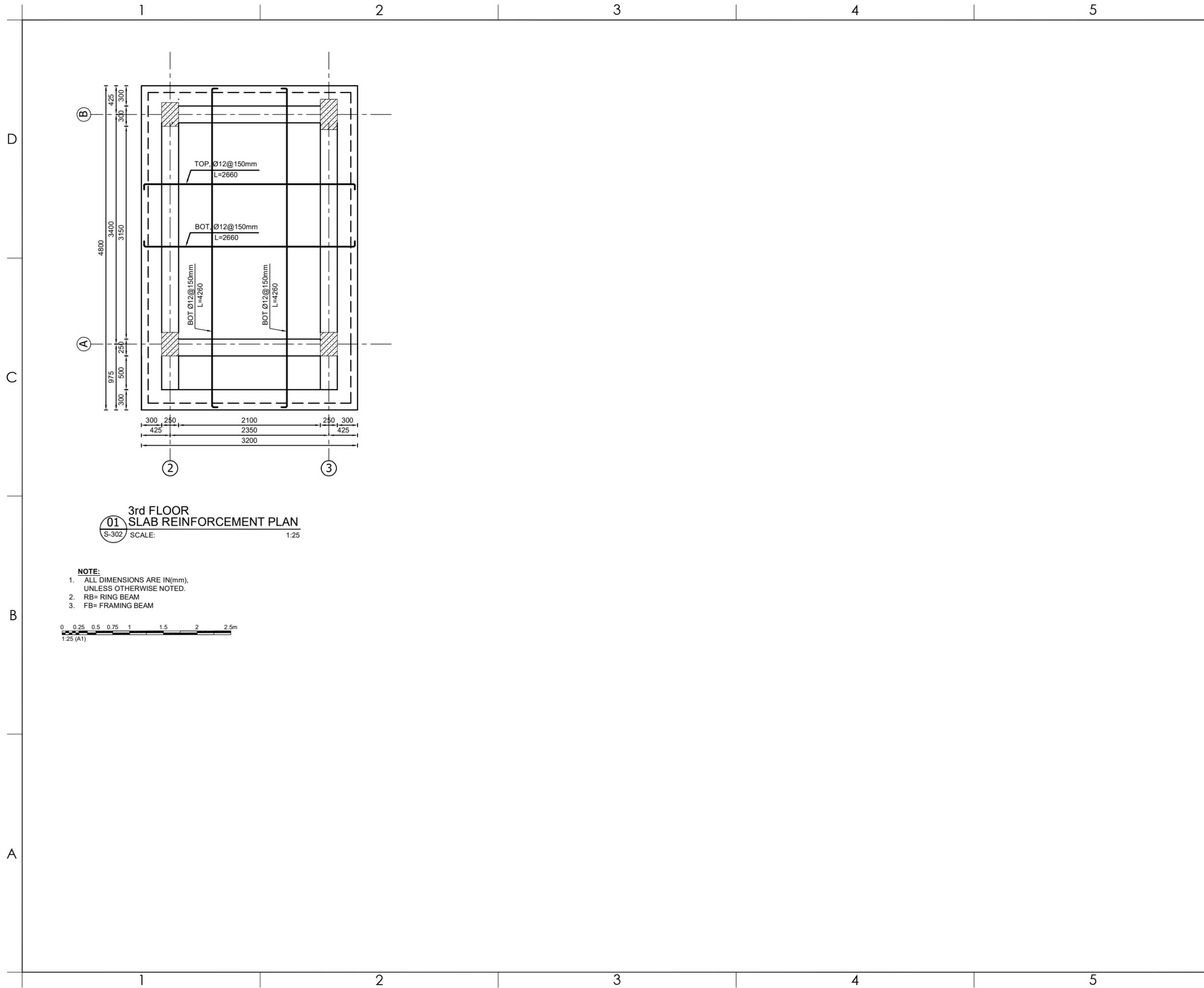
**SHEET** 13 **of** 15  
 © COPYRIGHT 2017



**01** 1st FLOOR AND 2nd FLOOR  
 SLAB REINFORCEMENT PLAN  
 S-301 SCALE: 1:25

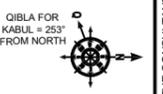
**NOTE:**  
 1. ALL DIMENSIONS ARE IN(mm),  
 UNLESS OTHERWISE NOTED.  
 2. RB= RING BEAM  
 3. FB= FRAMING BEAM

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**01** 3rd FLOOR SLAB REINFORCEMENT PLAN  
S-302 SCALE: 1:25

- NOTE:**
- ALL DIMENSIONS ARE IN(mm), UNLESS OTHERWISE NOTED.
  - RB= RING BEAM
  - FB= FRAMING BEAM



**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
AND SPECIALIZED HOSPITAL  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnaahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

**PLUMBING ENGINEER:**  
NAEEM AHMADI

**MECHANICAL ENGINEER:**  
ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**DRAWN BY:**  
- HAMIDULLAH

**CHECKED BY:**  
- NASRATULLAH

**REVIEWED BY:**  
-

**APPROVED BY:**  
-

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
S-302.dwg

**SCALE:** AS NOTED      **ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
3rd FLOOR SLAB  
REINFORCEMENT PLAN

**DRG REF NO:** S-302      **REV NO:** 0

**SHEET** 14 of 15

© COPYRIGHT 2017

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 AND SPECIALIZED HOSPITAL  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL  
**PLUMBING ENGINEER:**  
 NAEEM AHMADI  
**MECHANICAL ENGINEER:**  
 ABDUL HANAN ZAFARMAL

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**DRAWN BY:**  
 - HAMIDULLAH  
**CHECKED BY:**  
 - NASRATULLAH  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

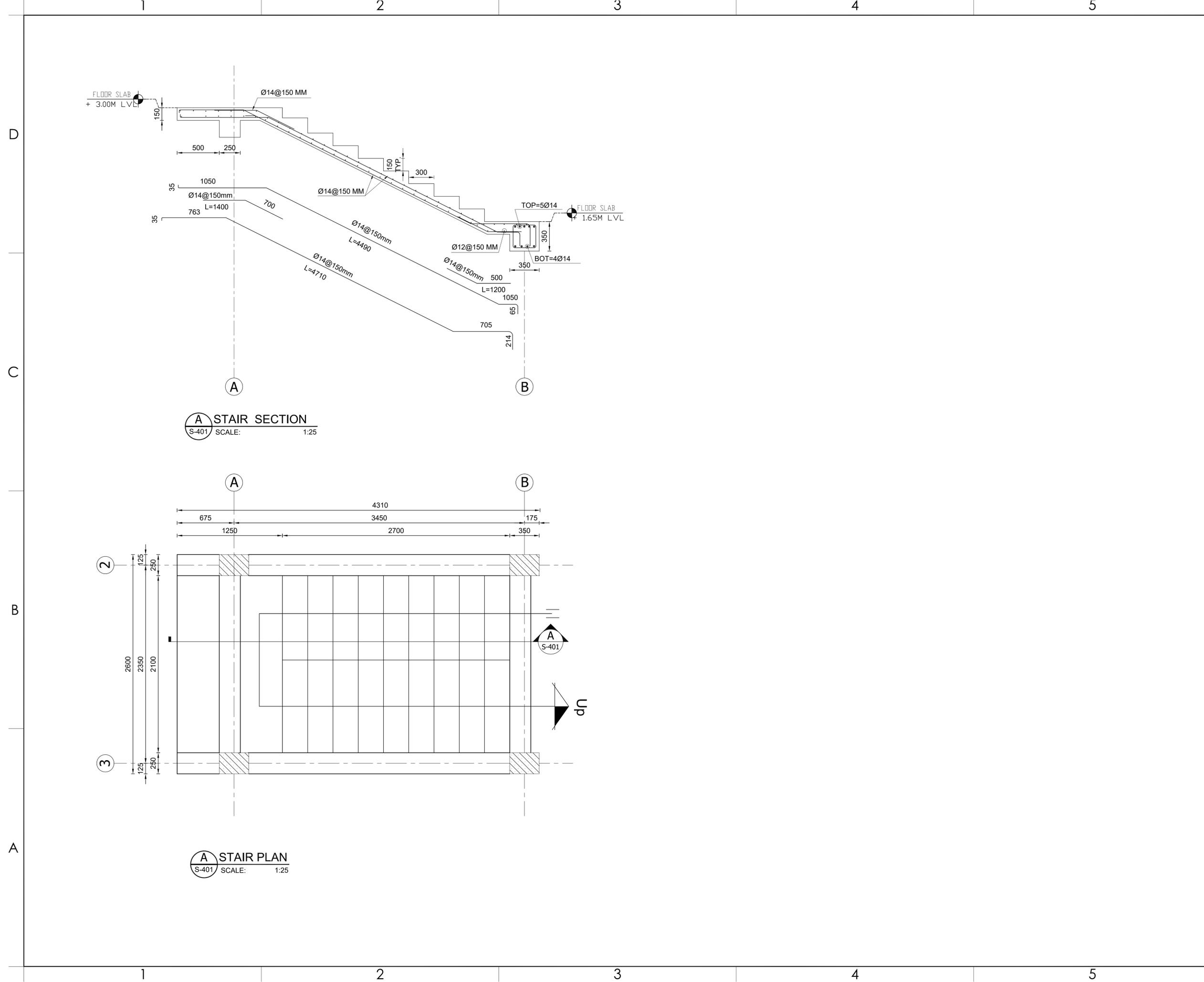
**FILE REF. / NAME:**  
 S-401.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
**STAIR PLAN AND SECTION**

**DRG REF NO:**  
**S-401**

**REV NO:**  
**0**

**SHEET** 15 **of** 15



**A STAIR SECTION**  
 S-401 SCALE: 1:25

**A STAIR PLAN**  
 S-401 SCALE: 1:25

D

C

B

A

1

2

3

4

5

1

2

3

4

5

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**ELECTRICAL DRAWING  
FWC & MHL OFFICE BUILDING PROJECT IN  
MALALAI NATIONAL AND SPECIALIZED  
HOSPITAL IN  
KABUL- AFGHANISTAN**

YEAR: 2023

**ELECTRICAL DRAWING INDEX SHEET**

SHEET REF. NO	SHEET/DRG TITLE	DATE
	<b>GENERAL</b>	May.07.2023
G-001	DRAWINGS COVER SHEET	May.07.2023
E-001	DRAWINGS INDEX SHEET	May.07.2023
E-002	ELECTRICAL AND ELECTRONICS LEGEND	May.07.2023
	<b>ELECTRICAL DRAWINGS</b>	
E-101	FIRST FLOOR LIGHTING PLAN	May.07.2023
E-102	FIRST FLOOR RECEPTACLES PLAN	May.07.2023
E-103	FIRST FLOOR SPLIT UNITS (AC) PLAN	May.07.2023
E-104	SECOND FLOOR LIGHTING PLAN	May.07.2023
E-105	SECOND FLOOR RECEPTACLES PLAN	May.07.2023
E-106	SECOND FLOOR SPLIT UNITS (AC) PLAN	May.07.2023
E-107	MAIN DISTRIBUTION PANEL BOARD DIAGRAM	May.07.2023
E-108	SUB PANEL BOARD DIAGRAM FOR THE FIRST FLOOR	May.07.2023
E-109	SUB PANEL BOARD DIAGRAM FOR THE SECOND FLOOR	May.07.2023

01 GENERAL INFORMATION  
E-001 1:25

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
DRUG STOCK & OFFICE BUILDING  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD & CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnahmadi.cc@gmail.com  
PHONE #:+93(0)797024024/+93(0)744862578  
FAX #:



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafari

**PLUMBING ENGINEER:**  
Naeem Ahmadi

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
- Abdul Hanan Zafari

**CHECKED BY:**

**REVIEWED BY:**  
-

**APPROVED BY:**  
-

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
E-101.dwg

**SCALE:**  
AS NOTED

**ISSUE DATE:**  
07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
E-001

**REV NO:**  
0

SHEET 01 of 11

© COPYRIGHT 2017

D

C

B

A

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari

**PLUMBING ENGINEER:**  
 Naem Ahmadi

**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH



**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg

**SCALE:**  
 AS NOTED

**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-002

**REV NO:**  
 0

**SHEET** 02 of 11

ELECTRICAL AND ELECTRONICS LEGEND		ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS	SYMBOLS	DESCRIPTIONS
	SINGLE RECEPTACLES 16A MOUNTED FOR WATER HEATER		EX-FUN WALL MOUNTED 15cm*15cm 28 watt
	DOUBLE RECEPTACLES 16A MOUNTED HEIGHT 45cm FROM FINISH FLOOR		EX-FUN WALL MOUNTED 30cm*30cm 46 watt
	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES 16A MOUNTED HEIGHT 60cm FROM FINISH FLOOR		AIR CONDITION AND SPLIT UNIT 6000BTU WITH STANDARD
	WEATHER PROOF LIGHTS (10W) WITH STANDARD MANUFACTURED		OUTDOOR OF 6000BTU AIR CONDITION
	CEILING LIGHTS (12W) WITH STANDARD MANUFACTURED		WALL MOUNTED 50 LITER , 2KW WATER HEATER
	CEILING LIGHTS (1X72W) WITH STANDARD MANUFACTURED		
	WATER PROOF CEILING LIGHTS (15W) WITH STANDARD MANUFACTURED		
	WALL LIGHTS (1X9W) WITH STANDARD MANUFACTURED MOUNTED HEIGH, ABOVE THE MIRROR IN BATHROOM		
	SINGLE BUTTON SWITCH 10A MOUNTED HEIGHT 125cm FROM FINISH FLOOR		
	DOUBLE BUTTON SWITCH 10A MOUNTED HEIGHT 125cm FROM FINISH FLOOR		
	OUTDOOR OF 5000BTU AIR CONDITION		
	AIR CONDITION AND SPLIT UNIT 5000BTU WITH STANDARD		
	DISCONNECT SWITCH FOR ELECTRICAL WATER HEATER / AIR CONDITIONER 32A MOUNTED HEIGHT 180cm FROM FINISH FLOOR		
	ELECTRICAL CIRCUIT DIRECTION FOR ALL BRANCH CIRCUIT (IT SHOWS THE LOCATION OF CIRCUIT BREAKER WITH AMPS)		
	WALL MOUNTED STEEL ELECTRICAL PANEL BOARD SYSTEM AND CITY POWER SYSTEM MOUNTED HEIGHT 150cm TOP OF PANEL FROM FINISH FLOOR		
	MAIN DISTRIBUTION PANEL BOARD WITH HIGH OF 150cm FROM FINISH FLOOR		

**01 ELECTRICAL GENERAL LEGEND**  
 E-002 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

OIBLA FOR  
 KABUL = 253°  
 FROM NORTH

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**

**DRG REF NO:** E-101  
**REV NO:** 0

**SHEET** 03 **of** 11  
 © COPYRIGHT 2017

D

C

B

A

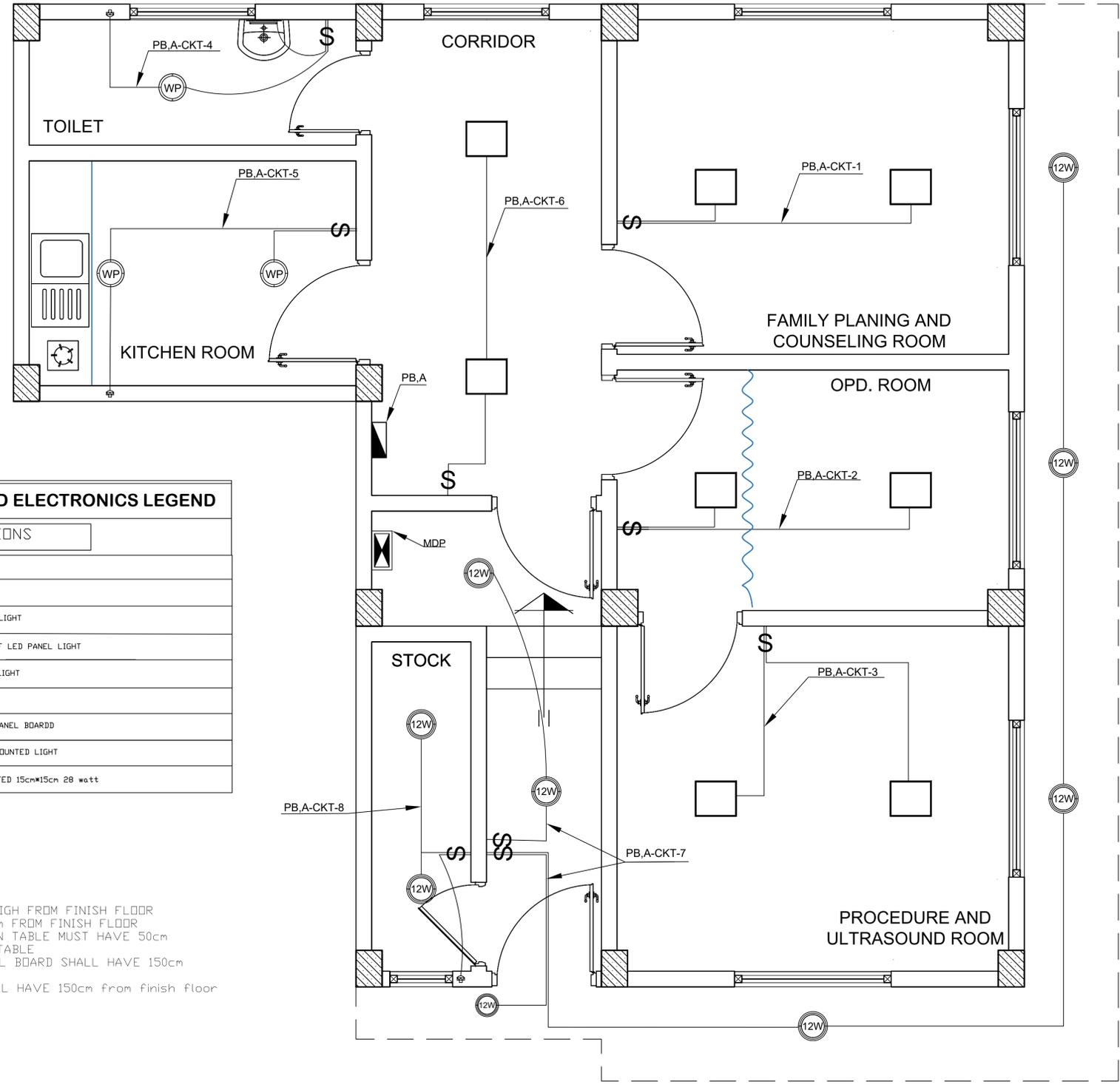
1

2

3

4

5



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
\$	SINGLE POLE SWITCH
⌘	DOUBLE POLE SWITCH
□	LED 72 WATT SELING LIGHT
⊙ WP	15WATT WATER PROOF LED PANEL LIGHT
⊙ 12W	12WATT LED PANEL LIGHT
▭	SUB PANEL BOARD
▭	MAIN DISTRIBUTION PANEL BOARD
—	9WATT LED WALL MOUNTED LIGHT
⊙	EX-FUN WALL MOUNTED 15cmx15cm 28 watt

**GENERAL NOTE**  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm from finish floor

**01 FIRST FLOOR LIGHTING PLAN**  
 E-101 1:25

1

2

3

4

5

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

D  
C  
B  
A

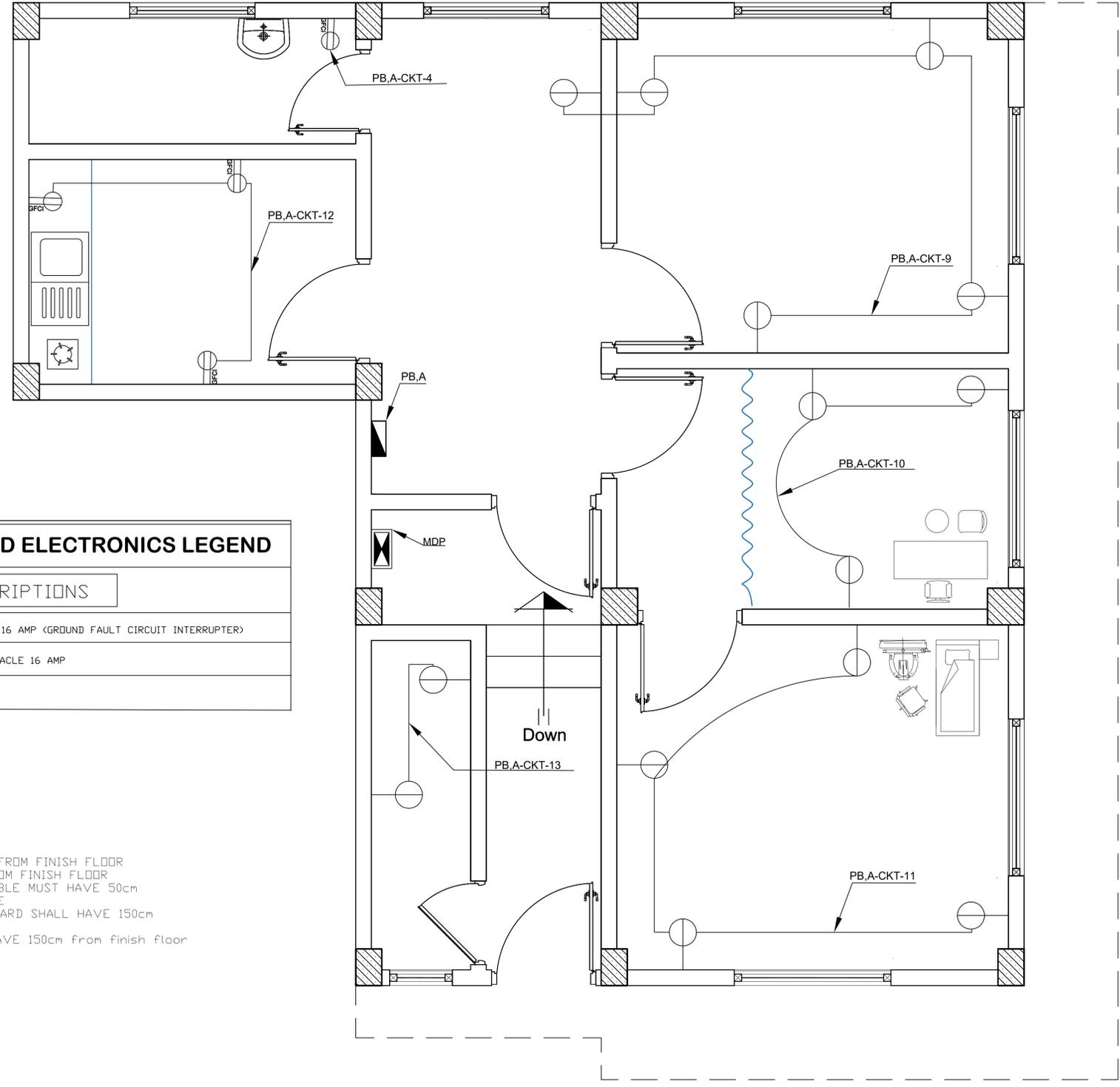
1

2

3

4

5



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
	DUPLEX RECEPTACLE 16 AMP (GROUND FAULT CIRCUIT INTERRUPTER)
	SINGLE POLE RECEPTACLE 16 AMP
	SUB PANEL BOARD

GENERAL NOTE  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm FROM finish floor

**01** FIRST FLOOR RECEPTACAL PLAN  
 E-102 1:25

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

OIBLA FOR  
 KABUL = 253°  
 FROM NORTH

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-102  
**REV NO:**  
 0

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

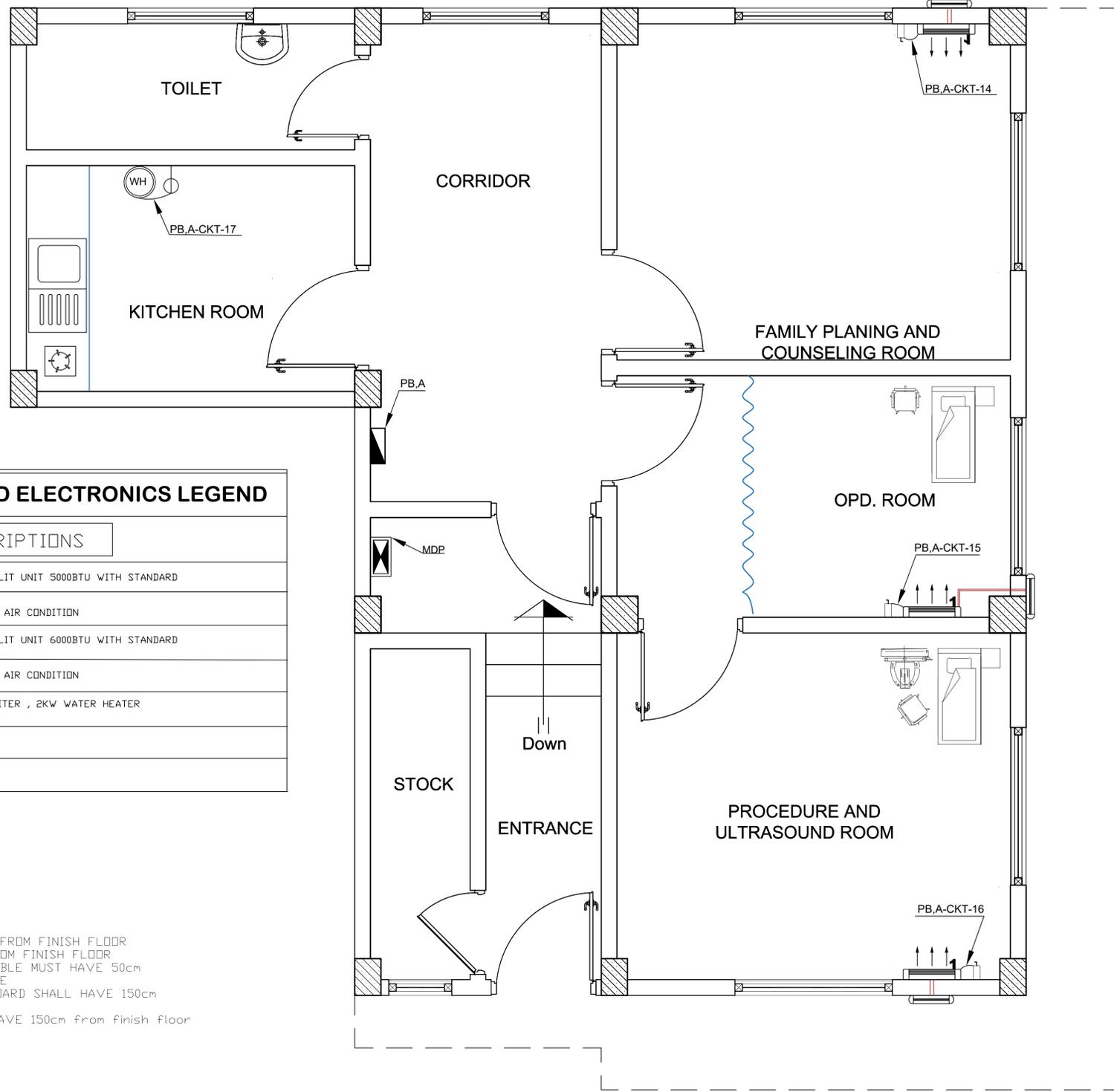
**DRG TITLE:**

**DRG REF NO:**  
 E-103  
**REV NO:**  
 0

D  
C  
B  
A

1 2 3 4 5

1 2 3 4 5



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
	AIR CONDITION AND SPLIT UNIT 5000BTU WITH STANDARD
	OUTDOOR OF 5000BTU AIR CONDITION
	AIR CONDITION AND SPLIT UNIT 6000BTU WITH STANDARD
	OUTDOOR OF 6000BTU AIR CONDITION
	WALL MOUNTED 50 LITER , 2KW WATER HEATER
	SUB PANEL BOARD

**GENERAL NOTE**  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm FROM finish floor

**01 FIRST FLOOR MECHANICAL PLAN**  
 E-103 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnaahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH

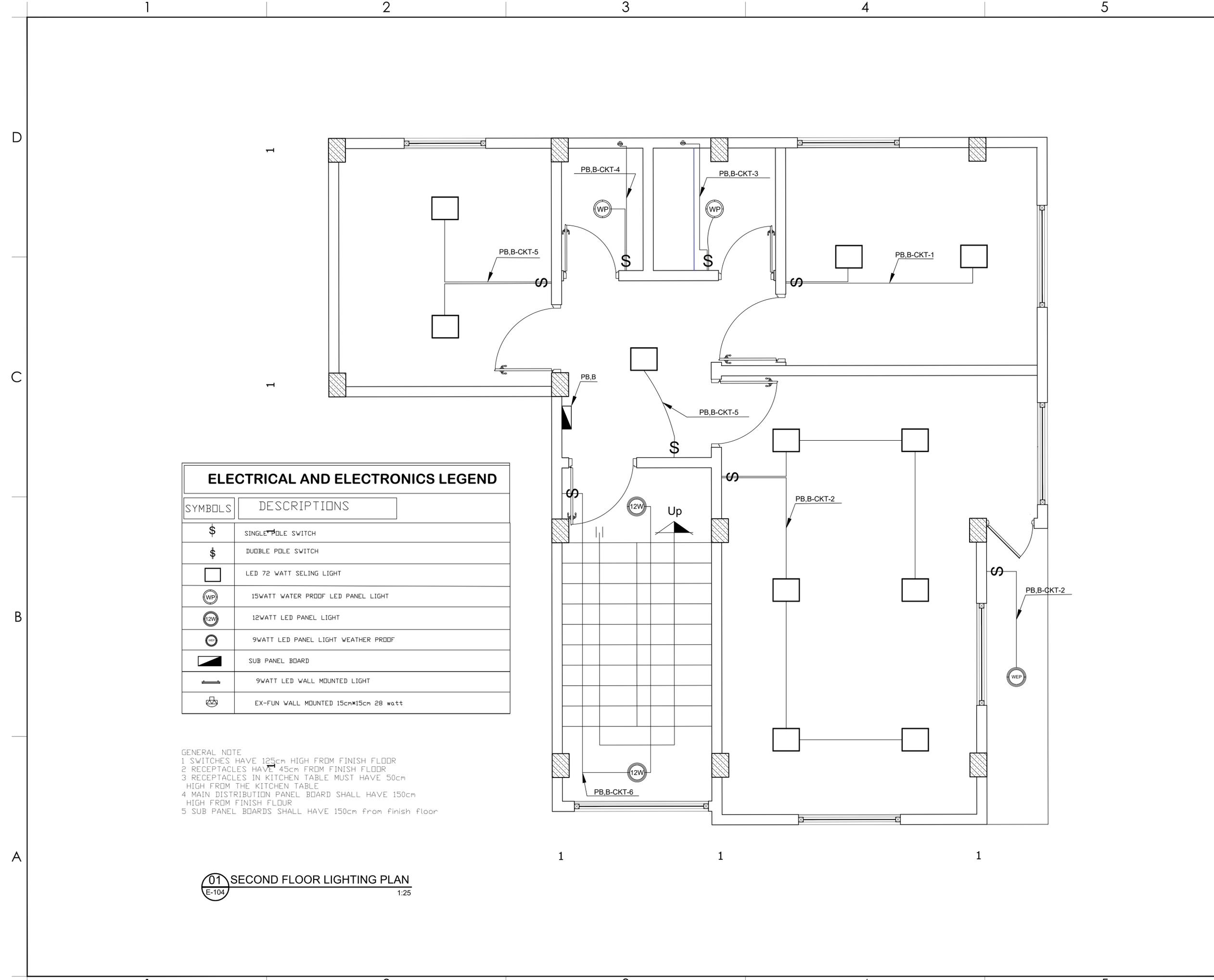
**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-104  
**REV NO:**  
 0  
**SHEET** 06 **of** 11



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
\$	SINGLE POLE SWITCH
⌘	DOUBLE POLE SWITCH
□	LED 72 WATT SELING LIGHT
⊙ WP	15WATT WATER PRODF LED PANEL LIGHT
⊙ 12W	12WATT LED PANEL LIGHT
⊙ WP	9WATT LED PANEL LIGHT WEATHER PRODF
▬	SUB PANEL BOARD
⊙	9WATT LED WALL MOUNTED LIGHT
⊙	EX-FUN WALL MOUNTED 15cm*15cm 28 watt

**GENERAL NOTE**  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm from finish floor

**01 SECOND FLOOR LIGHTING PLAN**  
 E-104 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARICATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari

**PLUMBING ENGINEER:**  
 Naeem Ahmadi

**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED

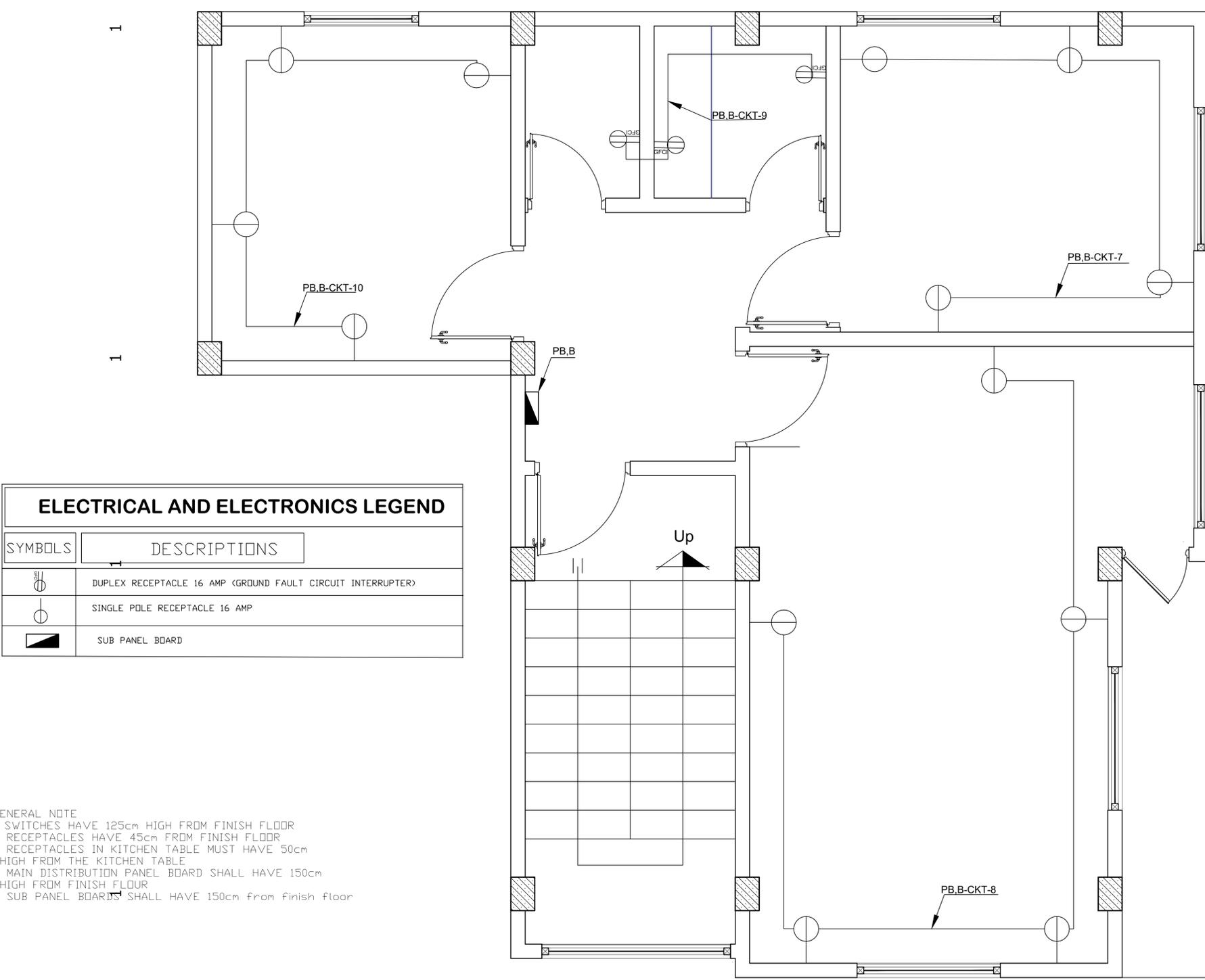
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-105

**REV NO:**  
 0

**SHEET** 07 **of** 11



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
	DUPLEX RECEPTACLE 16 AMP (GROUND FAULT CIRCUIT INTERRUPTER)
	SINGLE POLE RECEPTACLE 16 AMP
	SUB PANEL BOARD

**GENERAL NOTE**  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm from finish floor

**01 SECOND FLOOR RECEPTACLE PLAN**  
 E-105 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR KABUL = 253° FROM NORTH

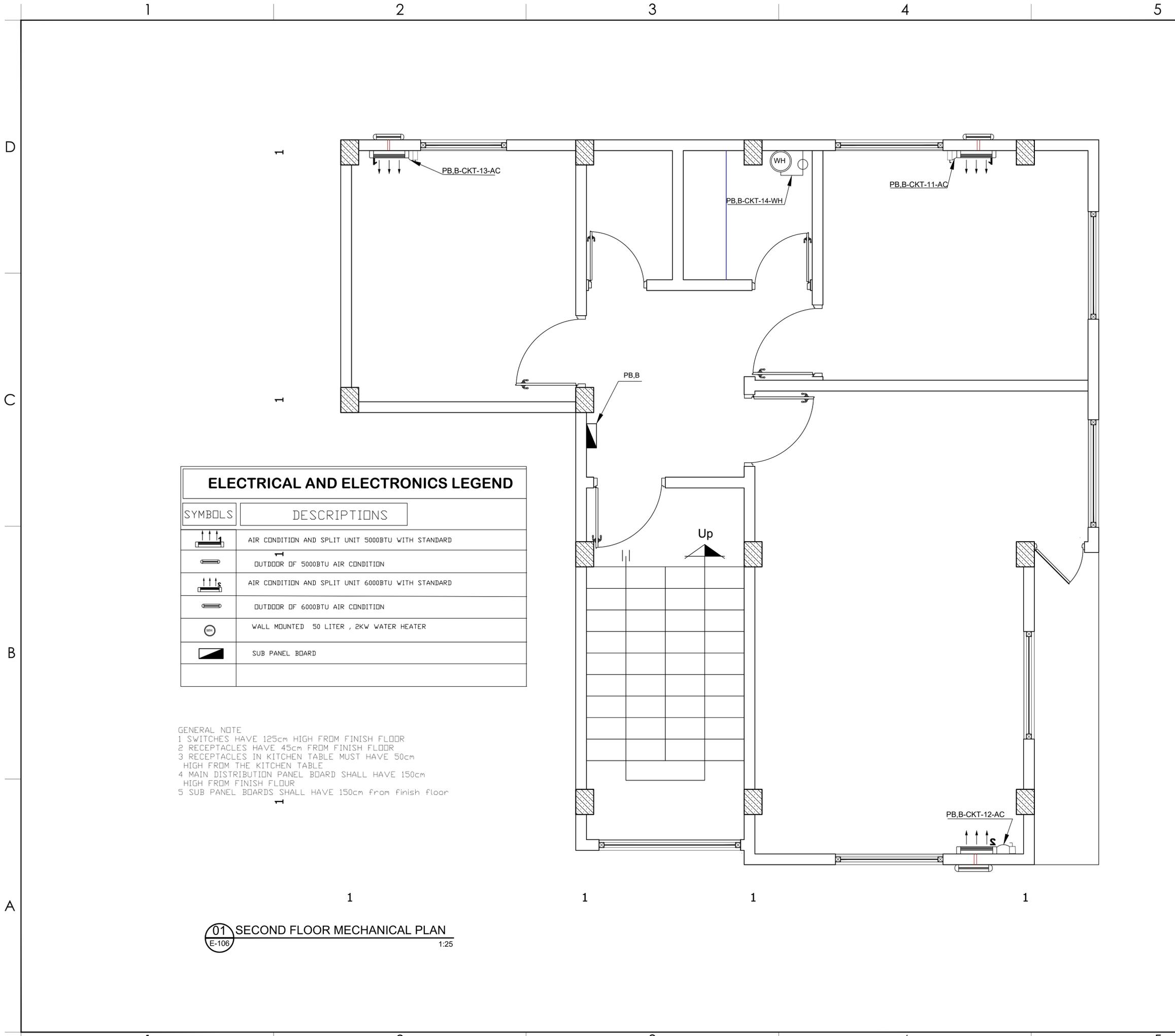
**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-106  
**REV NO:**  
 0  
**SHEET** 08 **of** 11



ELECTRICAL AND ELECTRONICS LEGEND	
SYMBOLS	DESCRIPTIONS
	AIR CONDITION AND SPLIT UNIT 5000BTU WITH STANDARD
	OUTDOOR OF 5000BTU AIR CONDITION
	AIR CONDITION AND SPLIT UNIT 6000BTU WITH STANDARD
	OUTDOOR OF 6000BTU AIR CONDITION
	WALL MOUNTED 50 LITER , 2KW WATER HEATER
	SUB PANEL BOARD

**GENERAL NOTE**  
 1 SWITCHES HAVE 125cm HIGH FROM FINISH FLOOR  
 2 RECEPTACLES HAVE 45cm FROM FINISH FLOOR  
 3 RECEPTACLES IN KITCHEN TABLE MUST HAVE 50cm HIGH FROM THE KITCHEN TABLE  
 4 MAIN DISTRIBUTION PANEL BOARD SHALL HAVE 150cm HIGH FROM FINISH FLOOR  
 5 SUB PANEL BOARDS SHALL HAVE 150cm from finish floor

**01 SECOND FLOOR MECHANICAL PLAN**  
 E-106 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR KABUL = 253° FROM NORTH

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

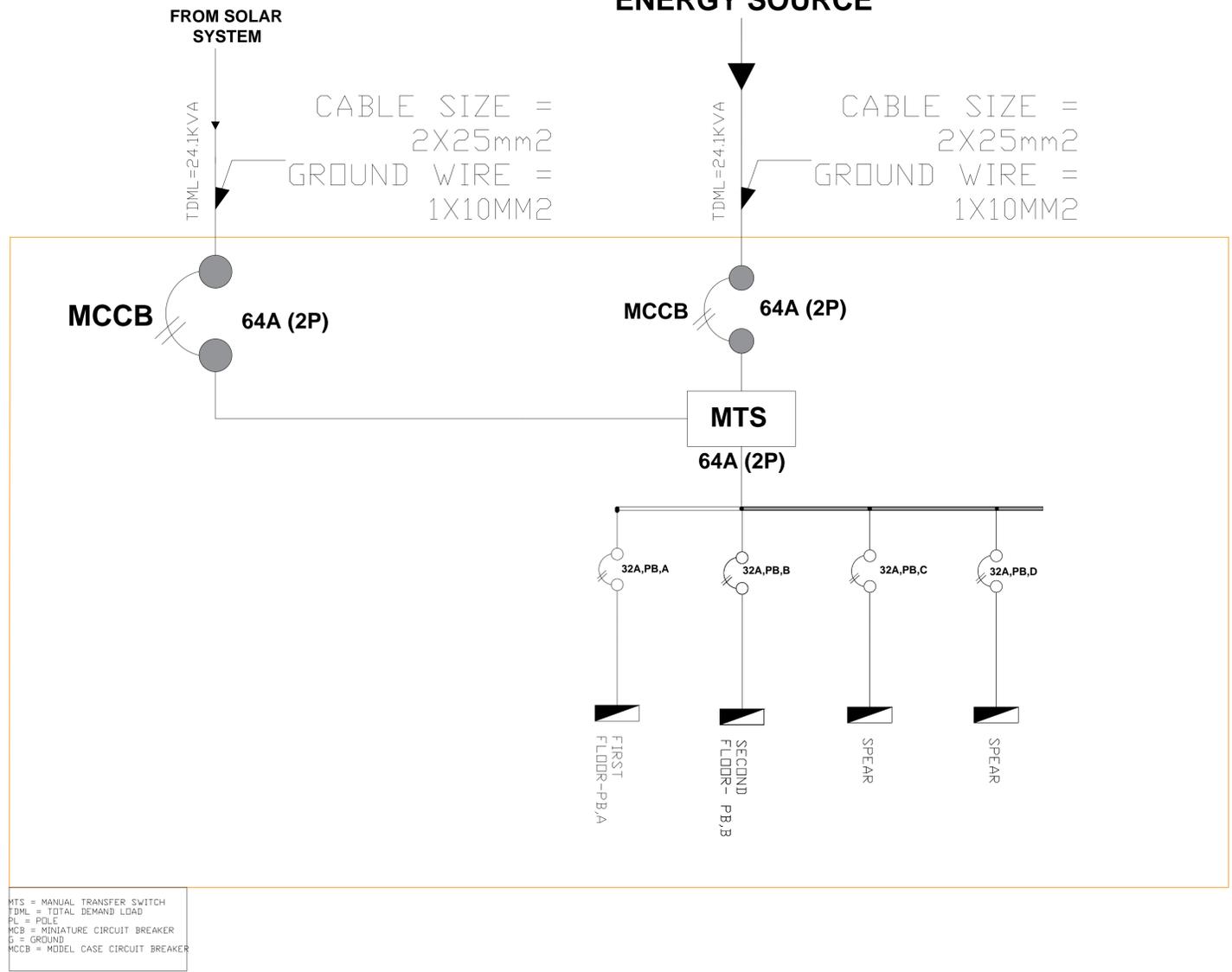
**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**

**DRG REF NO:**  
 E-107  
**REV NO:**  
 0

**MAIN ELECTRICAL ENERGY SOURCE**



**01 MAIN DISTRIBUTION PANEL BOARD DIAGRAM**  
 E-107 1:25

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari  
**PLUMBING ENGINEER:**  
 Naeem Ahmadi  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
KABUL = 253°  
FROM NORTH

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

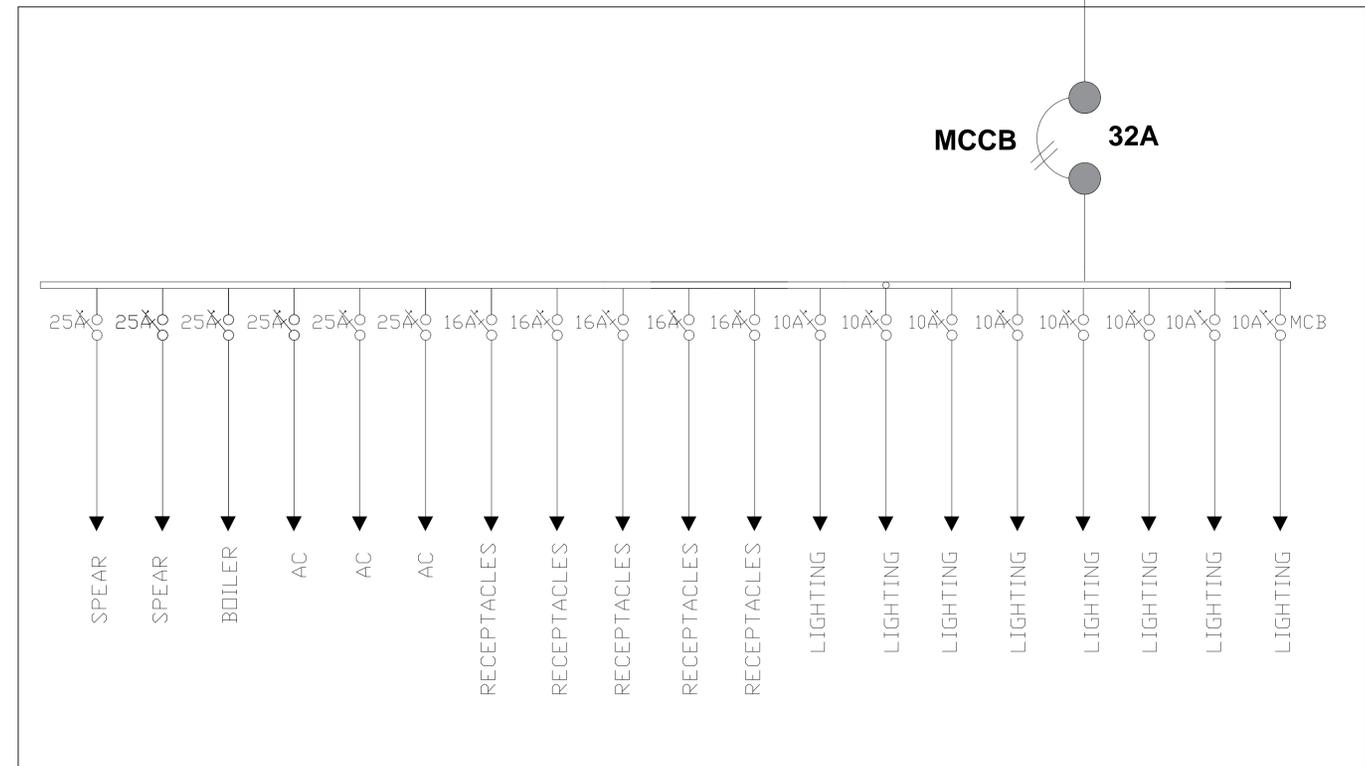
**DRG TITLE:**

**DRG REF NO:**  
 E-108  
**REV NO:**  
 0  
**SHEET** 10 of 11

**FROM CITY POWER  
 MDP**

CABLE SIZE =  
 2\*10mm<sup>2</sup>+1\*10mm<sup>2</sup> G  
 WIRE

**CITY POWER PANEL PB,A**



**ABBREVIATIONS:**  
 MTS = MANUAL TRANSFER SWITCH  
 TDML = TOTAL DEMAND LOAD  
 PL = POLE  
 MCB = MINIATURE CIRCUIT BREAKER  
 G = GROUND  
 MCCB= MODEL CASE CIRCUIT BREAKER

**01 SUB PANEL BOARD DIAGRAM FOR FIRST FLOOR**  
 E-108 1:25

DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 DRUG STOCK & OFFICE BUILDING  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafari

**PLUMBING ENGINEER:**  
 Naeem Ahmadi

**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafari

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR KABUL = 253° FROM NORTH

**DRAWN BY:**  
 - Abdul Hanan Zafari  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 E-101.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

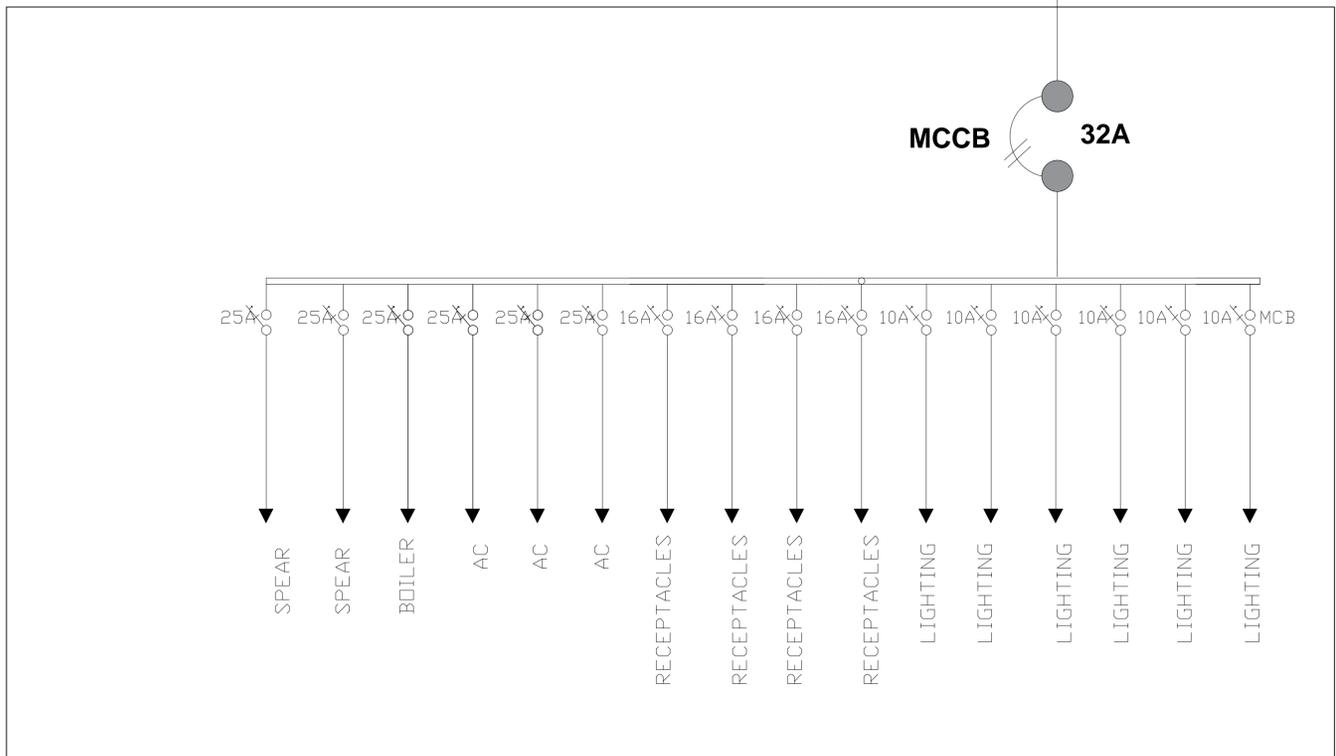
**DRG TITLE:**

**DRG REF NO:**  
 E-109  
**REV NO:**  
 0  
**SHEET** 11 of 11

**FROM CITY POWER  
 MDP**

CABLE SIZE =  
 2\*10mm<sup>2</sup>+1\*10mm<sup>2</sup> G  
 WIRE

**CITY POWER PANEL PB,B**



**ABBREVIATIONS:**  
 MTS = MANUAL TRANSFER SWITCH  
 TDML = TOTAL DEMAND LOAD  
 PL = POLE  
 MCB = MINIATURE CIRCUIT BREAKER  
 G = GROUND  
 MCCB= MODEL CASE CIRCUIT BREAKER

**01 SUB PANEL BOARD DIAGRAM FOR FIRST FLOOR**  
 E-108 1:25

DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS

**WATER SUPPLY & WASTEWATER  
DESIGN, DRAWING AND ISOMETRIC PLAN OF  
FWC & MHL OFFICE BUILDING PROJECT IN  
MALALAI NATIONAL AND SPECIALIZED  
HOSPITAL IN  
KABUL - AFGHANISTAN**

YEAR: 2023

## سیستم آبرسانی و کانالیزسیون

نمبر صفحه	عنوان صفحه	تاریخ	ملاحظات
G-01	فهرست		
P-001	یادداشت عمومی		
P-101	پلان سیستم آبرسانی منزل اول		
P-102	پلان سیستم آبرسانی منزل دوم		
P-103	پلان سیستم آبرسانی و کانالیزسیون در ساحه		
P-104	پلان پایپ دوانی ذخیره آب		
P-201	پلان سیستم کانالیزسیون منزل اول		
P-202	پلان سیستم کانالیزسیون منزل دوم		
P-301	دیاگرام ایزومتریک آبرسانی منزل اول		
P-302	دیاگرام ایزومتریک آبرسانی منزل دوم		
P-401	دیاگرام ایزومتریک کانالیزسیون منزل اول		
P-402	دیاگرام ایزومتریک کانالیزسیون منزل دوم		
P-501	دیتایل نصب تجهیزات آبرسانی		
P-502	دیتایل نصب تجهیزات فاضلاب		
P-503	دیتایل نصب بایر، مسلم شاور و نل هوا کش		
P-504	دیتایل نصب تجهیزات آشپزخانه		
P-505	دیتایل ذخیره آب		

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
Naeem Ahmadi

**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat

**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal

**PLUMBING ENGINEER:**  
Ghafoor Ghani

**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
-----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
G-01.dwg

<b>SCALE:</b> AS NOTED	<b>ISSUE DATE:</b> 07-May-2023
---------------------------	-----------------------------------

**DRG TITLE:**

<b>DRG REF NO:</b> G-01	<b>REV NO:</b> 0
----------------------------	---------------------

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #: +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

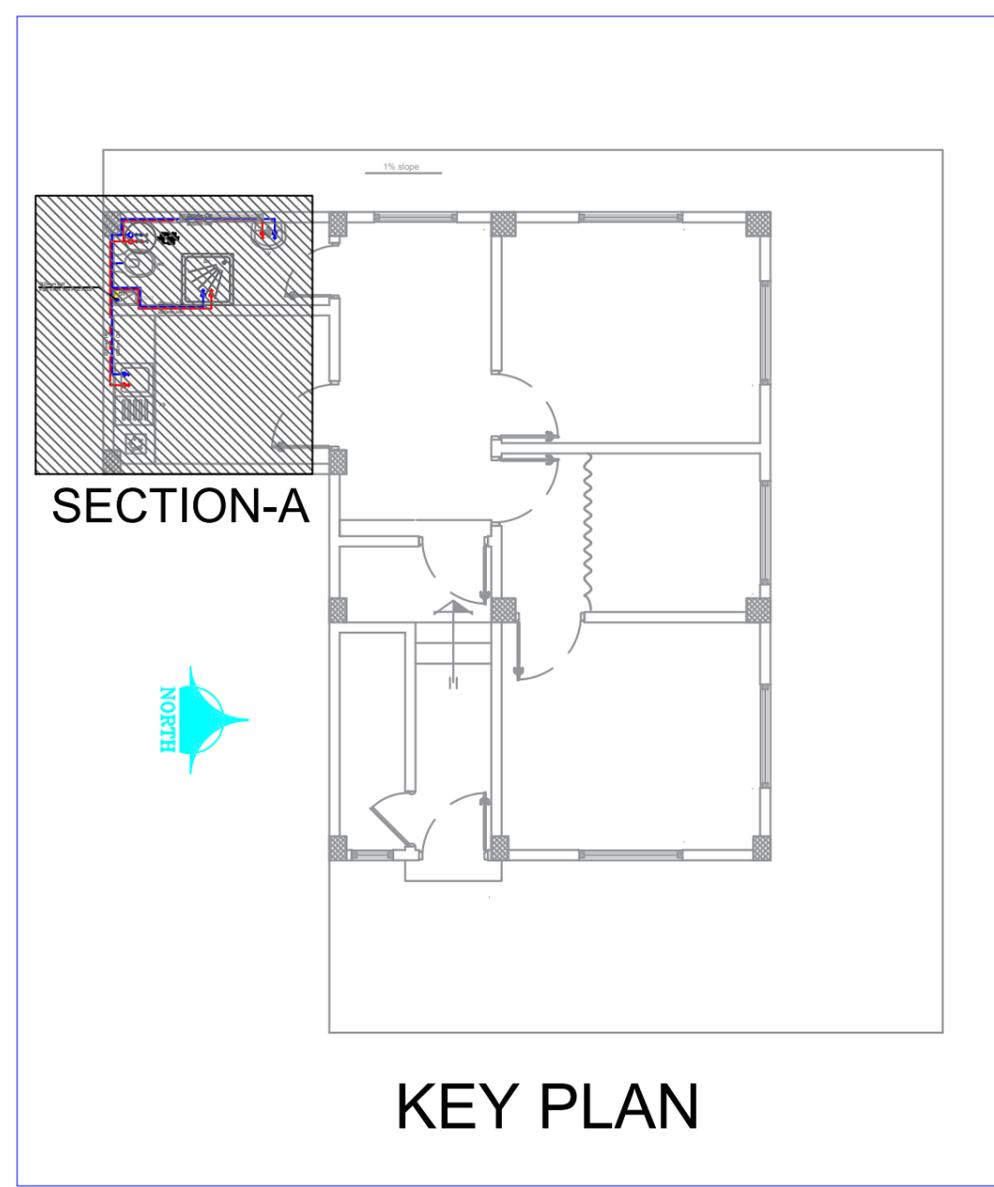
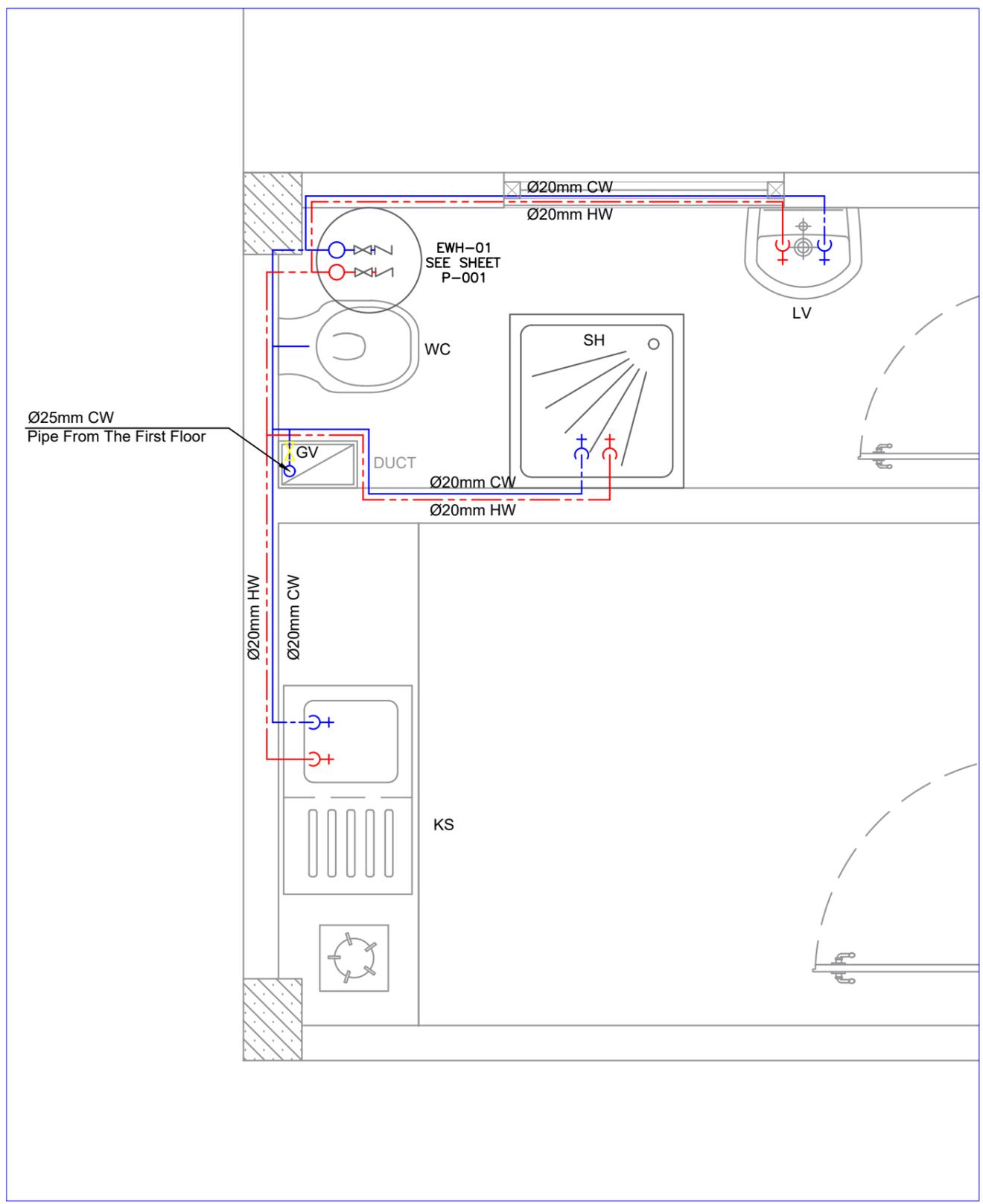
**DRAWN BY:**  
 Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -



**FILE REF. / NAME:**  
 P\_101.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023

**DRG TITLE:**  
 WATER DISTRIBUTION PLAN

**DRG REF NO:** P\_101  
**REV NO:** 0  
**SHEET** 03 **of** 17



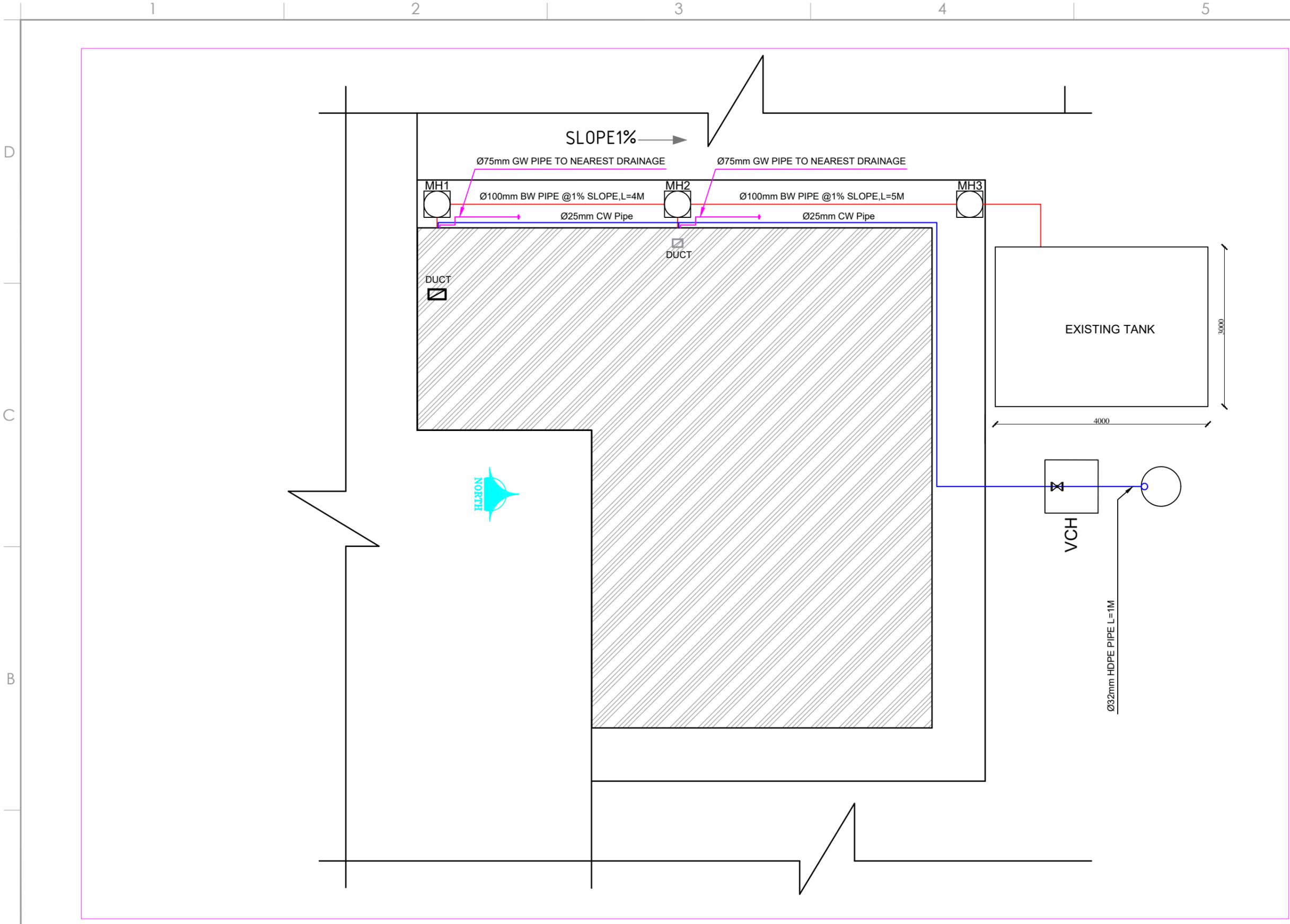
TECHNICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER LINE	HW	HOT WATER
	HOT WATER LINE	CW	COLD WATER
GV	GATE VALVE		HOT WATER FLOW DIRECTION
EWH	ELECTRICAL WATER HEATER		COLD WATER FLOW DIRECTION
KS	KITCHEN SINK		

**01 WATER DISTRIBUTION PLAN**  
 P\_101 SECTION - A SCALE: 1:16

Water distribution plan of first floor

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS





**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaahmadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P\_103.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:** 07-May-2023  
**DRG TITLE:**  
**W & S DISTRIBUTION ENLARGED PLAN**

**DRG REF NO:**  
**P\_103**  
**SHEET 05 of 17**

**REV NO:**  
**0**

**01** WATER AND SEWER DISTRIBUTION ENLARGED PLAN  
 103 SCALE: 1:150

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FWC & MHL PROJECT IN MALALAI NATIONAL  
SPECIALIZED HOSPITAL IN  
KABUL- AFGHANISTAN

**OWNER:**  
AFGHAN FAMILY GUIDANCE ASSOCIATION  
FOCAL NAME:  
E-MAIL:  
CELL #:



**DEVELOPER:**  
MOSTAFA NAEEM AHMADI ROAD &  
CONSTRUCTION COMPANY  
WEB:  
E-MAIL: mnaemahadi.cc@gmail.com  
PHONE #: +93(0)797024024/+93(0)744862578  
FAX #:



**ARCHITECT:**  
Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

PROJECT NO / KEY:  
-----

DESIGN / PROJECT STATUS:  
**FOR TENDER ONLY**

KEYPLAN:  
  


DRAWN BY:  
- Nasratullah  
CHECKED BY:  
-  
REVIEWED BY:  
-  
APPROVED BY:  
-

SEAL/SIGNATURE:

FILE REF. / NAME:  
P\_104.dwg

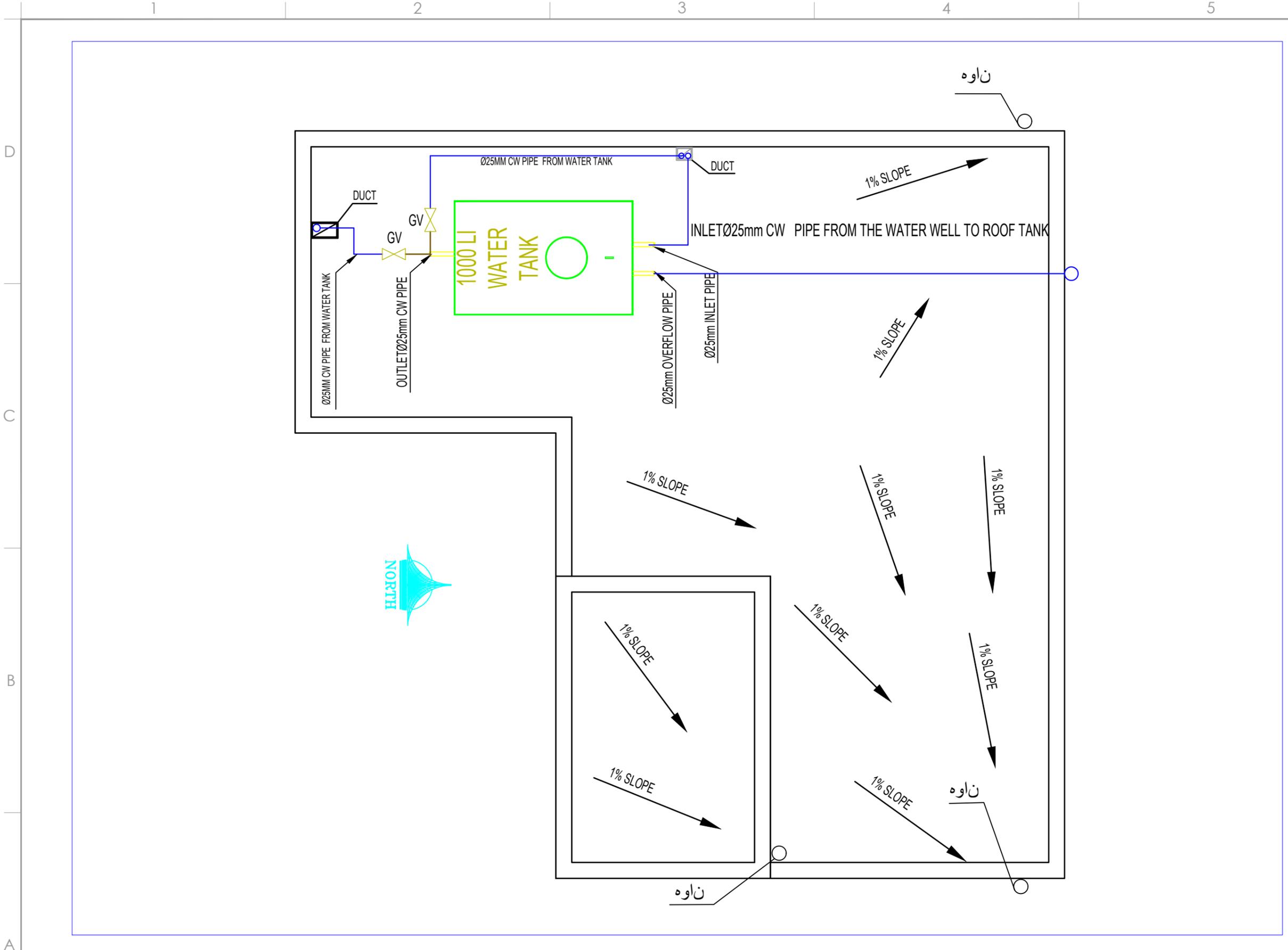
SCALE: AS NOTED      ISSUE DATE: 07-May-2023

DRG TITLE:  
WATER TANK PIPING PLAN

DRG REF NO:  
P\_104

REV NO:  
0

SHEET 06 of 17



01 WATER TANK PIPING PLAN  
P\_104 SCALE: 1:16

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P\_201.dwg

**SCALE:**  
 AS NOTED

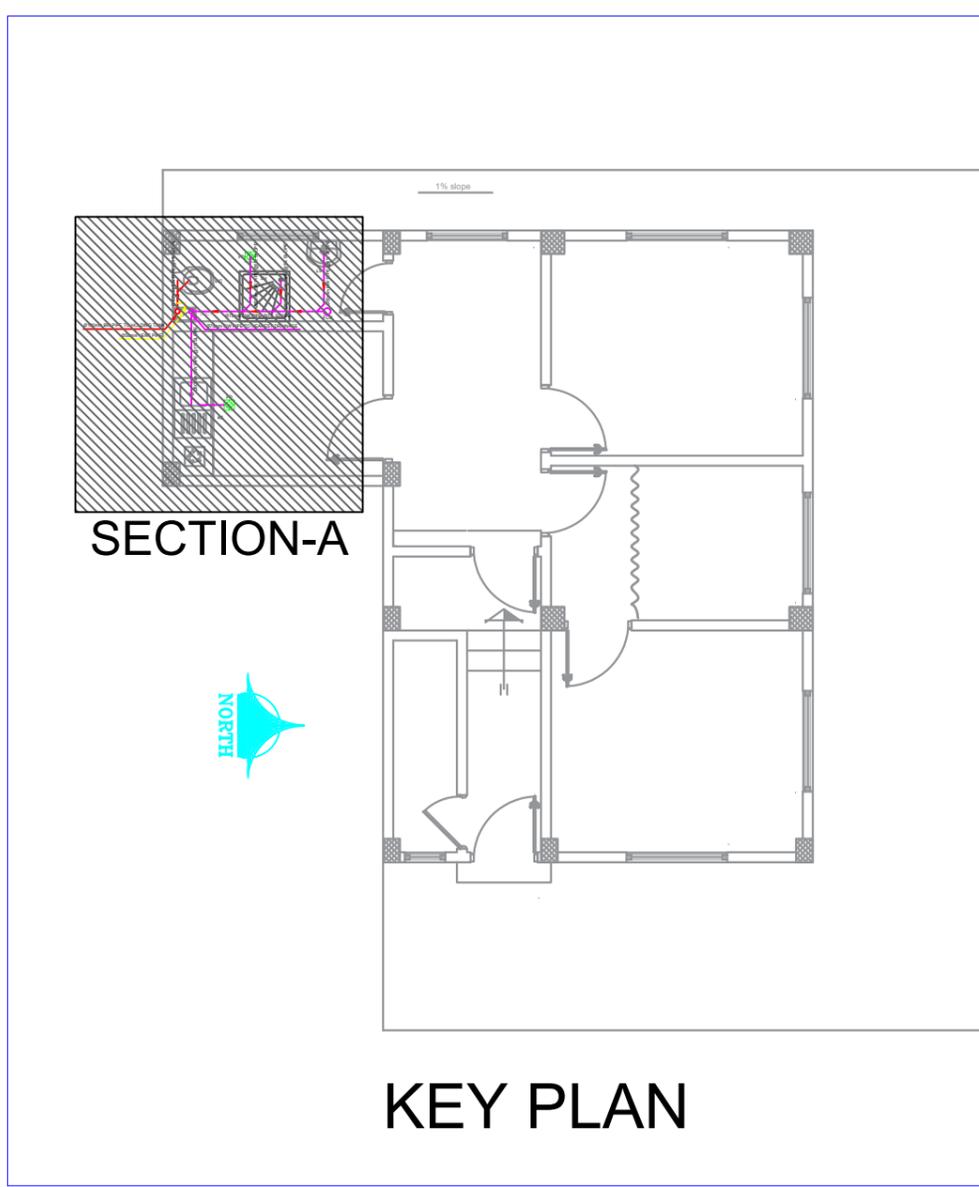
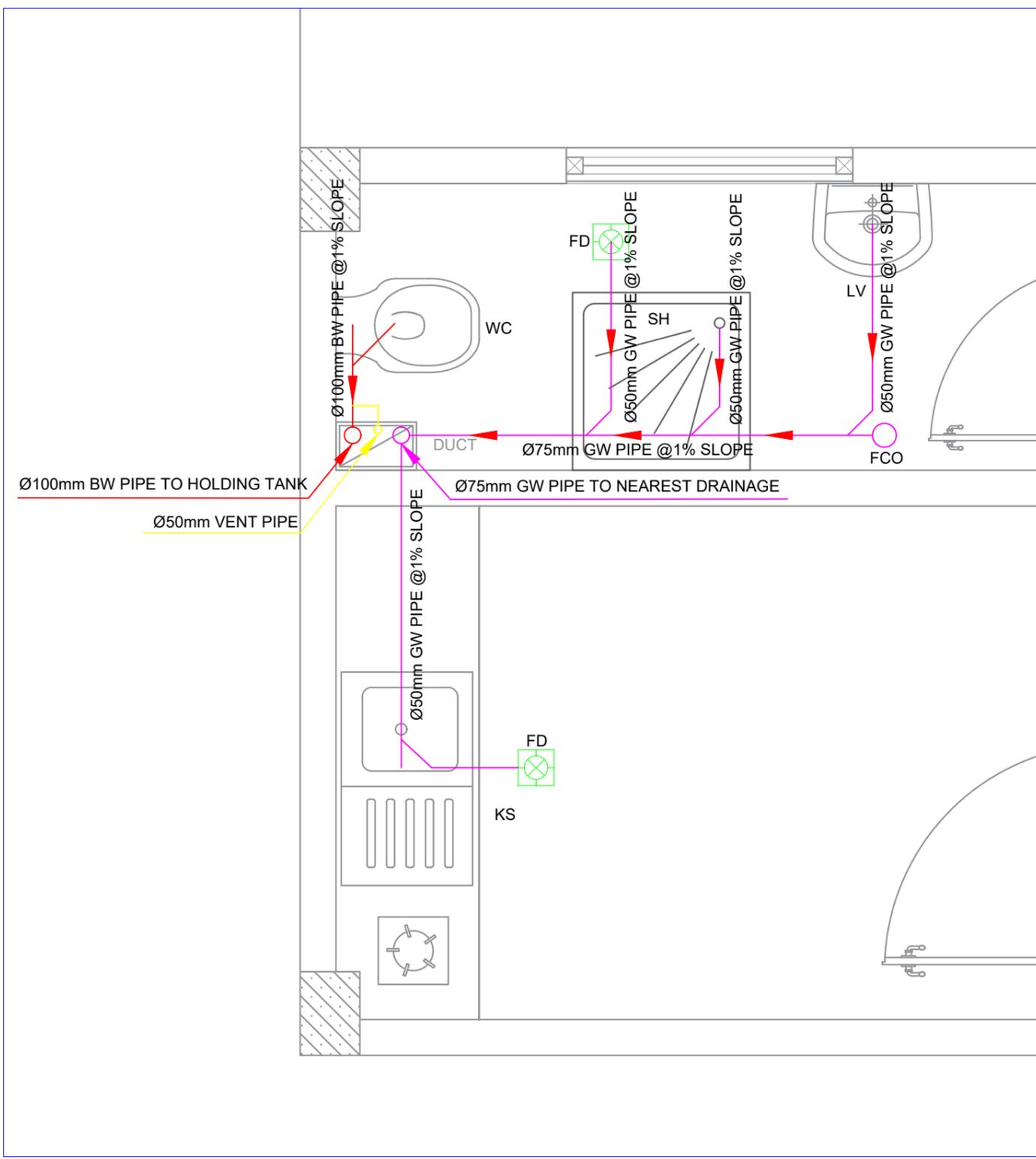
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 SEWER DISTRIBUTION PLAN

**DRG REF NO:**  
 P\_201

**REV NO:**  
 0

**SHEET** 07 **of** 17



TECHNICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SEWER PIPE	FD	FLOOR DRAIN
WC	WATER CLOSET	LV	LAVATORY
SH	SHOWER		FLOW DIRECTION
FCO	FLOOR CLEANOUT	KS	KITCHEN SINK
GW	GRAY WATER		
BW	BLACK WATER		

First floor sewer distribution plan

01 SEWER DISTRIBUTION PLAN  
 P\_201 SECTION - A SCALE: 1:16

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnahmadi.cc@gmail.com  
**PHONE #:** ++93(0)797024024/++93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----  
**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

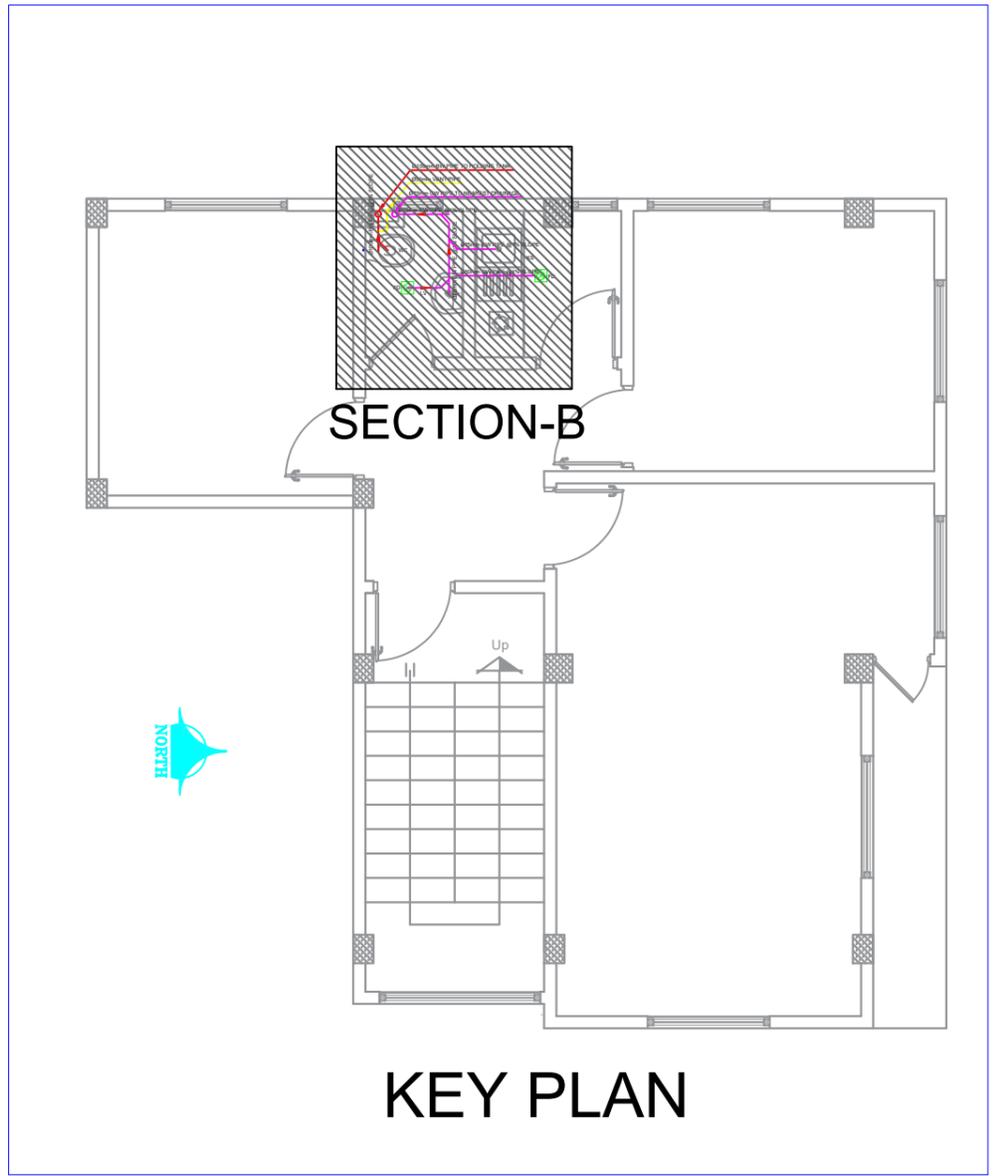
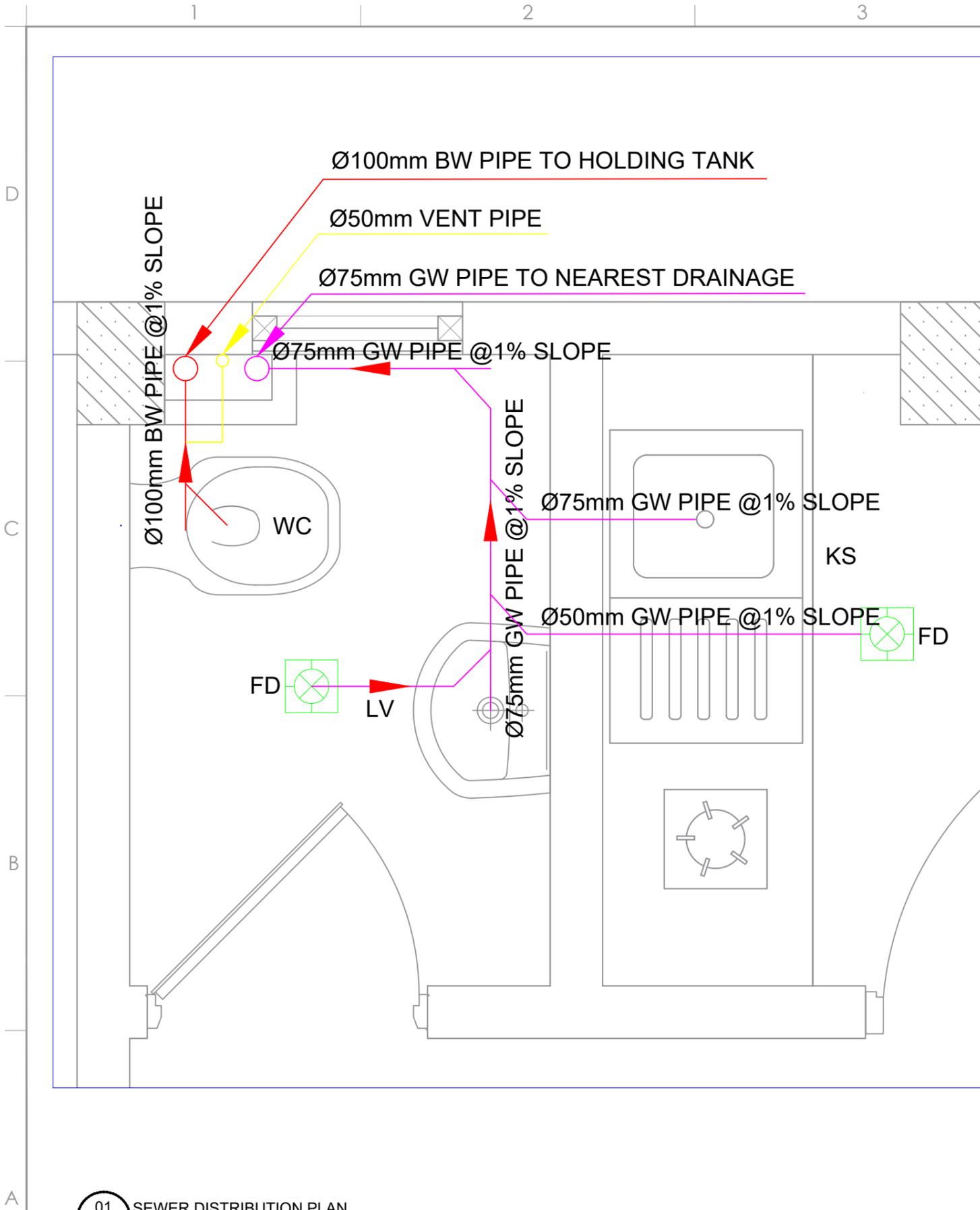
QIBLA FOR  
KABUL = 253°  
FROM NORTH

**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**FILE REF. / NAME:**  
 P\_201.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 SEWER DISTRIBUTION PLAN

**DRG REF NO:**  
 P\_202  
**REV NO:**  
 0



**TECHNICAL LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SEWER PIPE	FD	FLOOR DRAIN
WC	WATER CLOSET	LV	LAVATORY
SH	SHOWER		FLOW DIRECTION
FCO	FLOOR CLEANOUT	KS	KITCHEN SINK
GW	GRAY WATER		
BW	BLACK WATER		

**01 SEWER DISTRIBUTION PLAN**  
 P\_202 SECTION - B SCALE: 1:16

**Second floor sewer distribution plan**

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FOCAL NAME:  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
 WEB:  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 283°  
 FROM NORTH

**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P\_301.dwg

**SCALE:**  
 AS NOTED

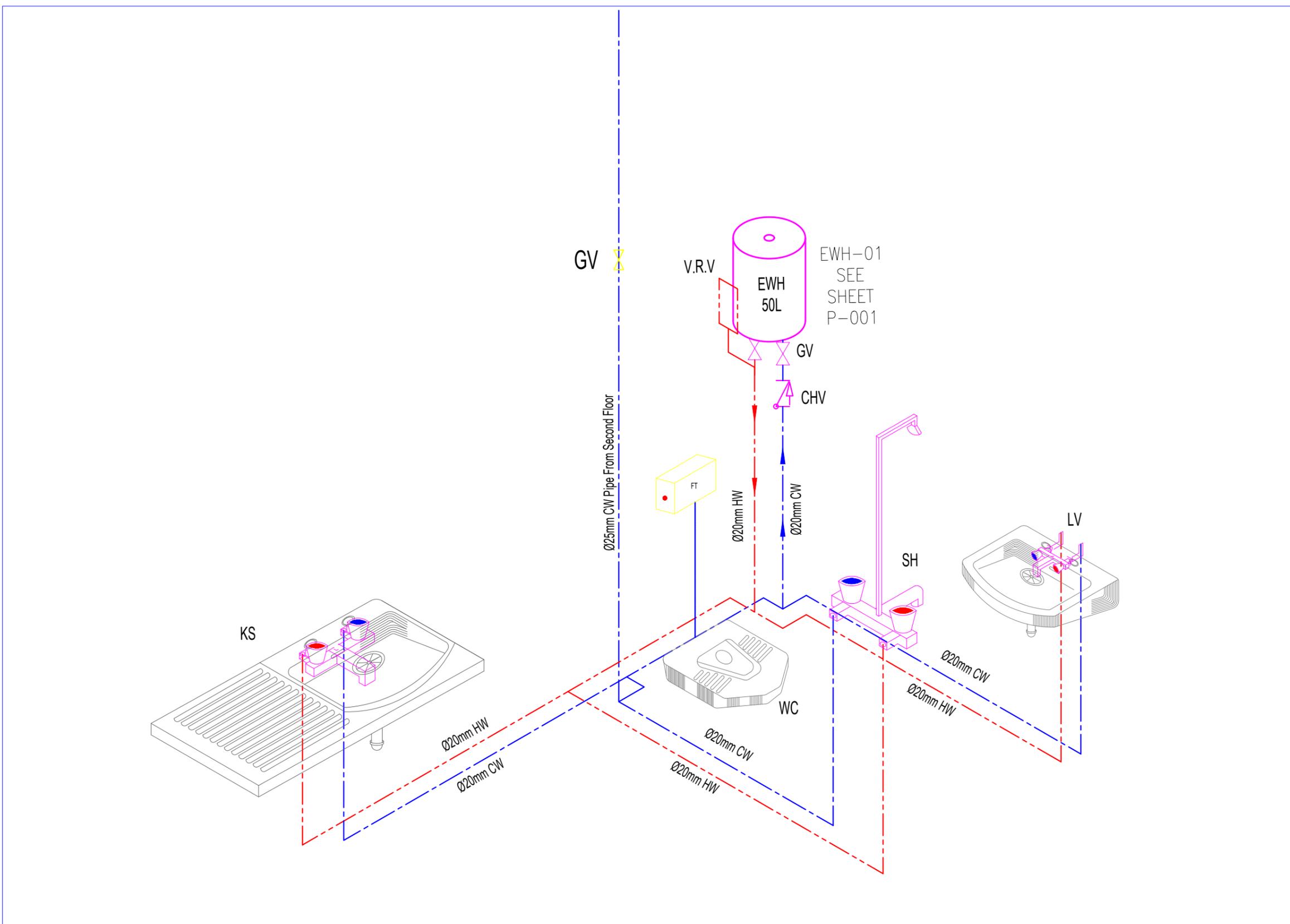
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 WATER DISTRIBUTION ISOMETRIC PLAN

**DRG REF NO:**  
 P\_301

**REV NO:**  
 0

**SHEET** 09 **of** 17



01 WATER DISTRIBUTION ISOMETRIC PLAN  
 P\_301 SECTION - A SCALE: 1:16

First floor water distribution isometric plan

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnaemahadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P\_302.dwg

**SCALE:**  
 AS NOTED

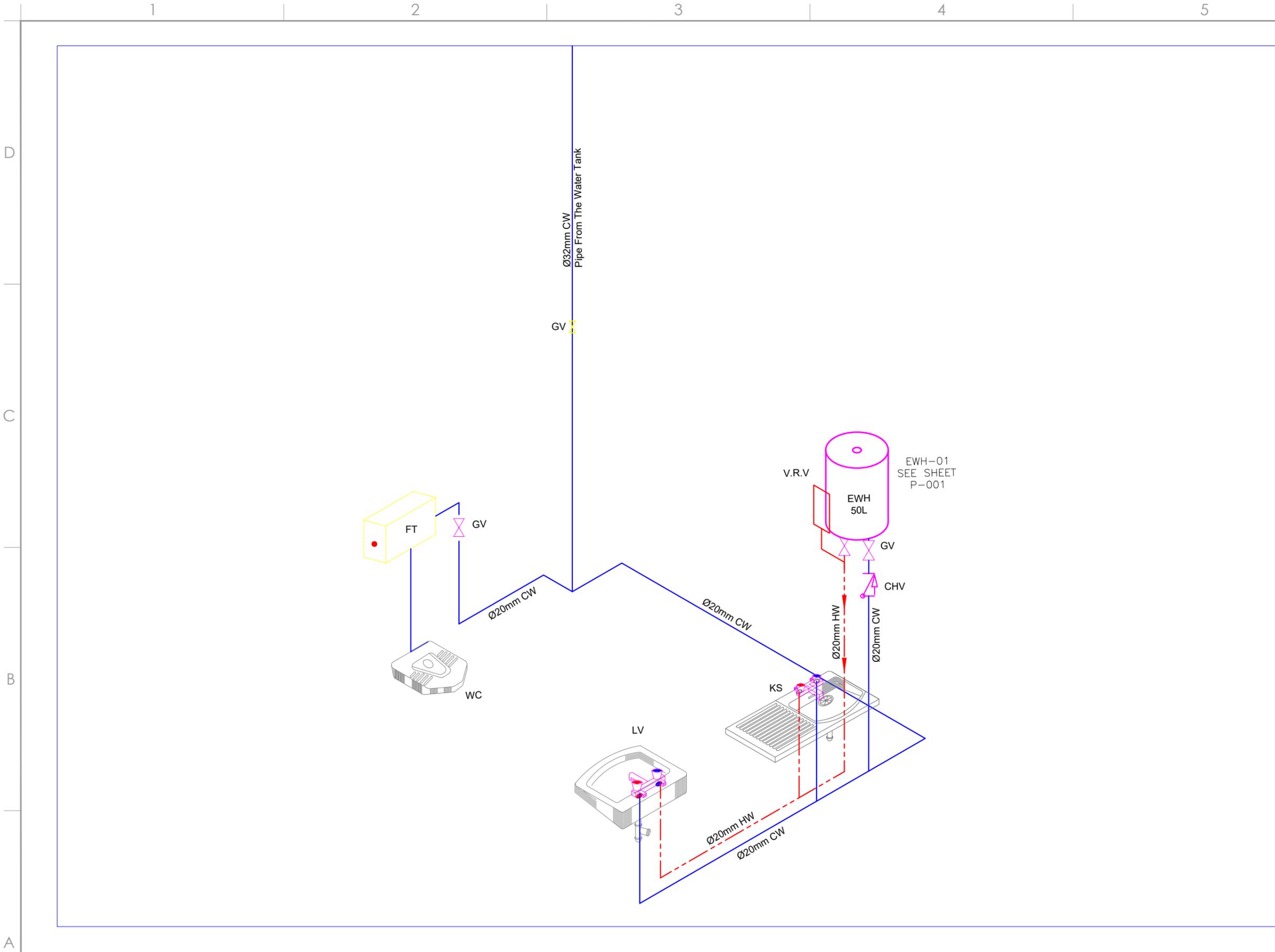
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 W DISTRIBUTION ISOMETRIC PLAN

**DRG REF NO:**  
 P\_302

**REV NO:**  
 0

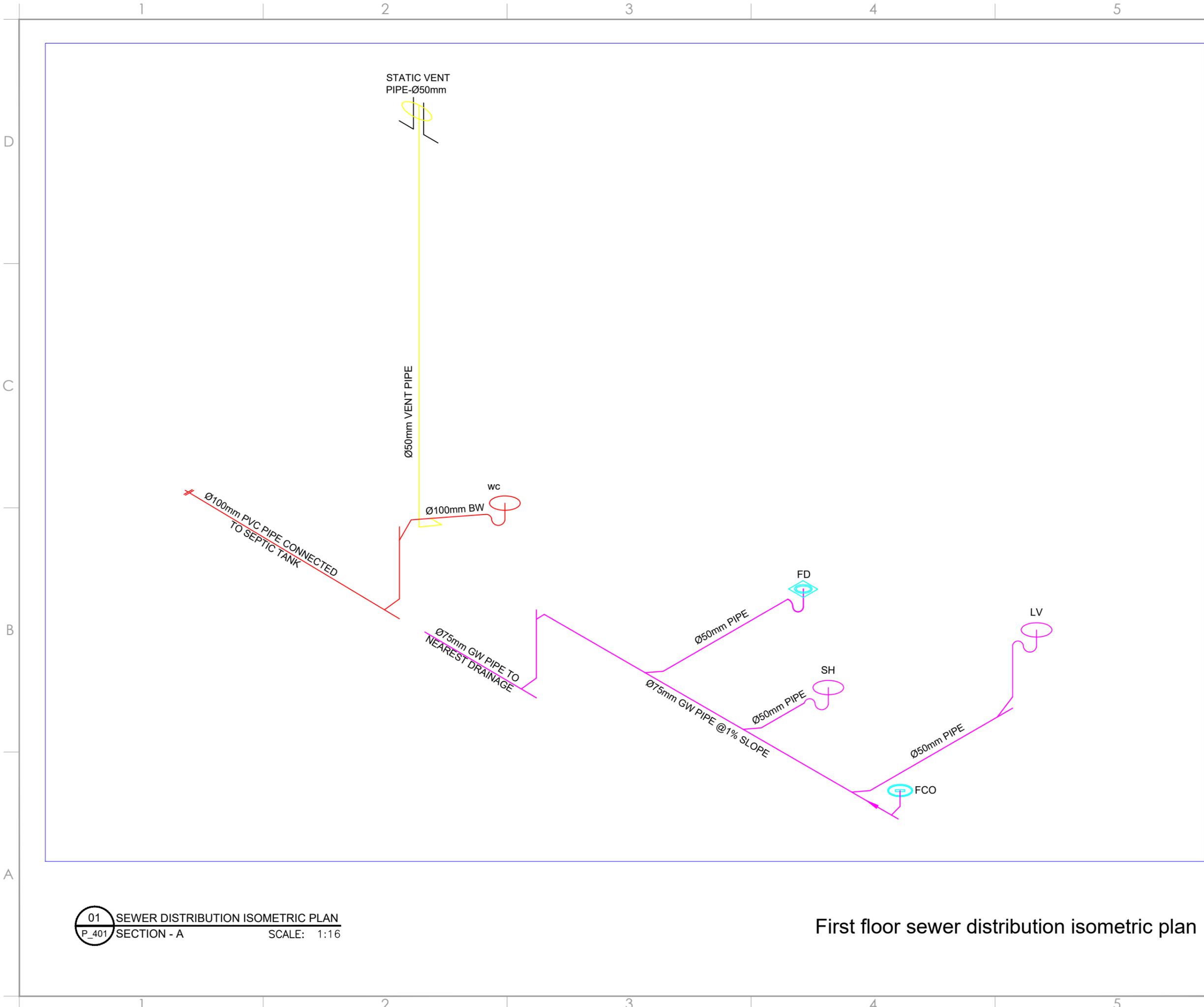
**SHEET** 10 **of** 17



01 WATER DISTRIBUTION ISOMETRIC PLAN  
 P\_302 SECTION - B SCALE: 1:16

Second floor water ditribution isometric plan

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
 P\_401.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 SITE PLAN

<b>DRG REF NO:</b> P_401	<b>REV NO:</b> 0
<b>SHEET 11 of 17</b>	

01 SEWER DISTRIBUTION ISOMETRIC PLAN  
 P\_401 SECTION - A SCALE: 1:16

First floor sewer distribution isometric plan

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi.cc@gmail.com  
**PHONE #:** ++93(0)797024024/++93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

QIBLA FOR  
 KABUL = 253°  
 FROM NORTH

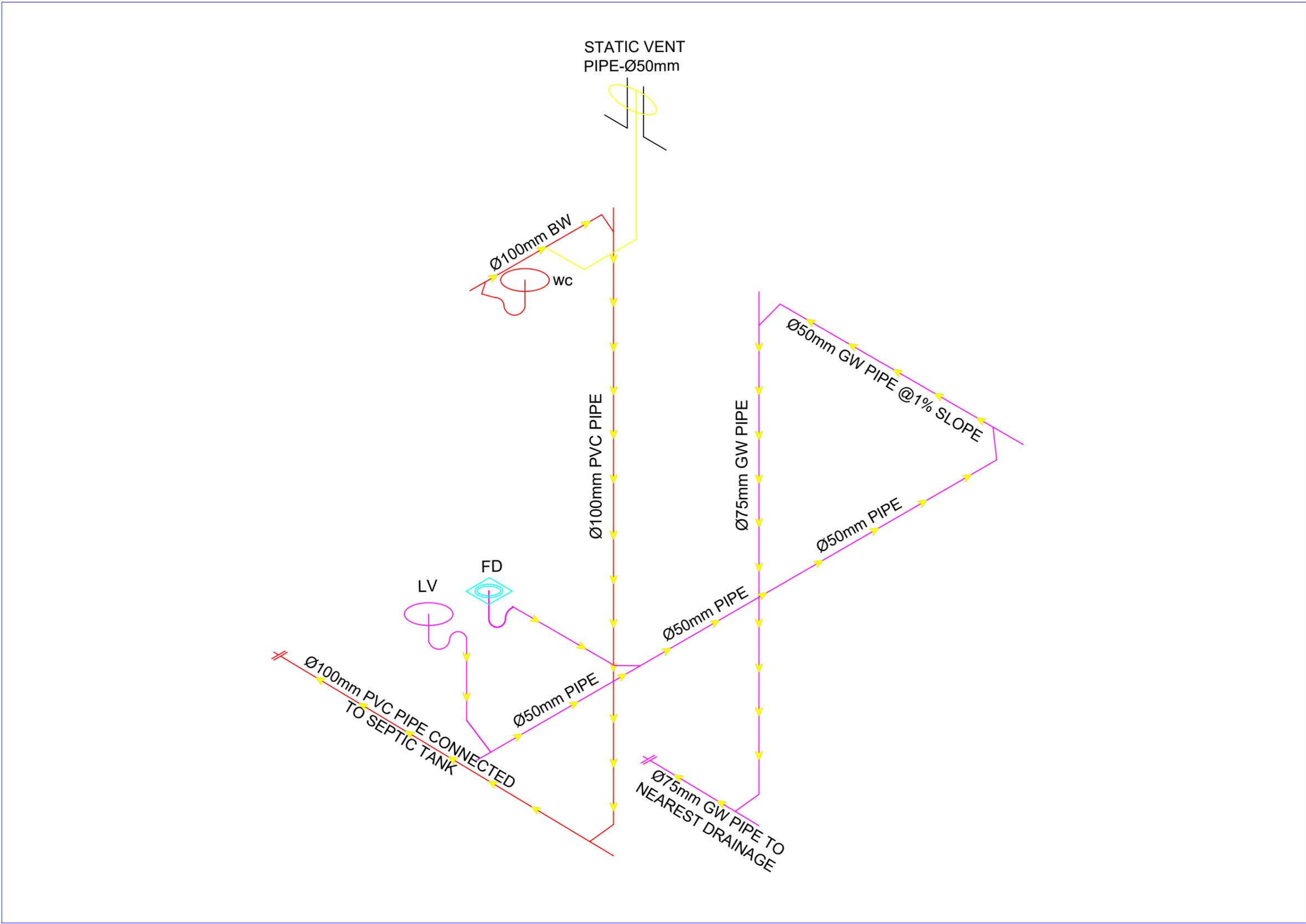
<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
 P\_401.dwg

<b>SCALE:</b> AS NOTED	<b>ISSUE DATE:</b> 07-May-2023
---------------------------	-----------------------------------

**DRG TITLE:**  
 S DISTRIBUTION ISOMETRIC PLAN

<b>DRG REF NO:</b> P_402	<b>REV NO:</b> 0
<b>SHEET</b> 12 <b>of</b> 17	



01 SEWER DISTRIBUTION ISOMETRIC PLAN  
 P\_402 SECTION - B SCALE: 1:16

Second floor sewer distribution isometric plan

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #:+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P-501.dwg

**SCALE:**  
 AS NOTED

**ISSUE DATE:**  
 07-May-2023

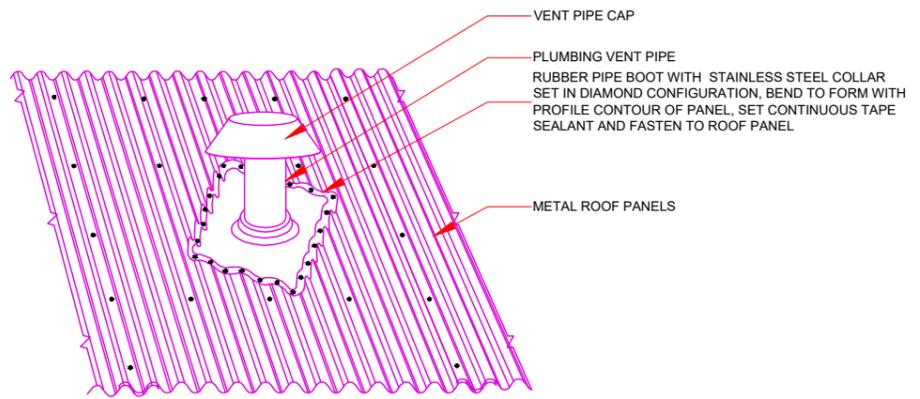
**DRG TITLE:**  
**DETAIL**

**DRG REF NO:**  
**P-501**

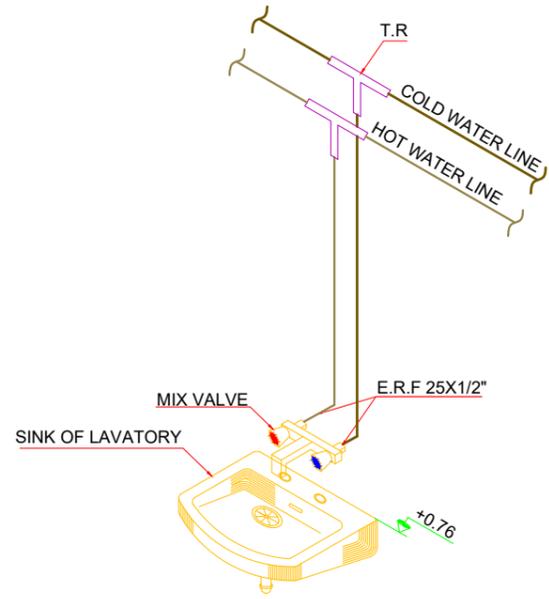
**REV NO:**  
**0**

**SHEET 13 of 17**

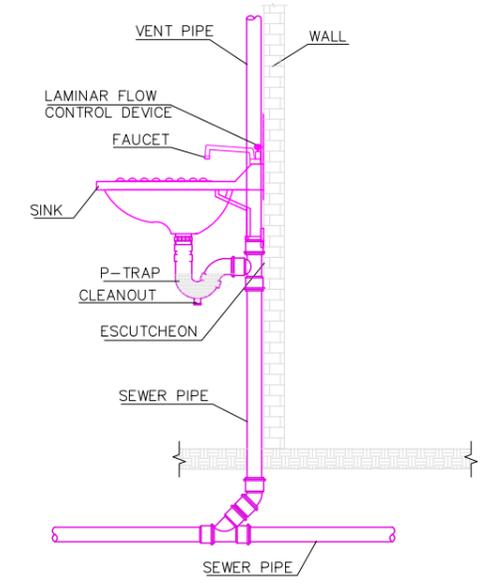
CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS



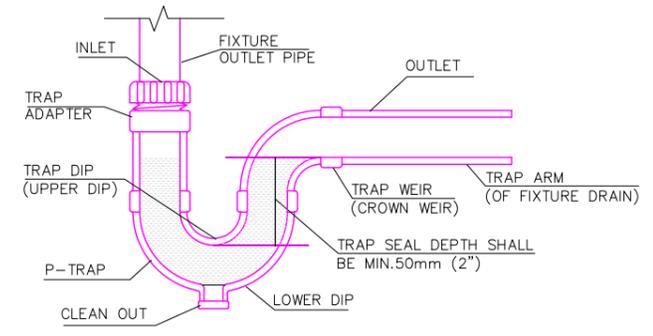
**03 PLUMBING VENT THROUGH ROOF DETAIL**  
 P-501 SCALE: NTS



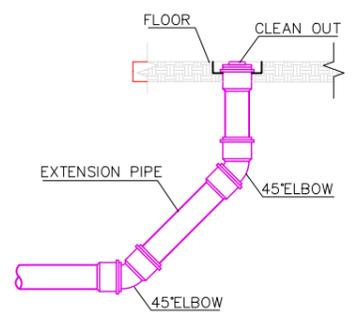
**01 LAVATORY DETAIL**  
 P-501 SCALE: NTS



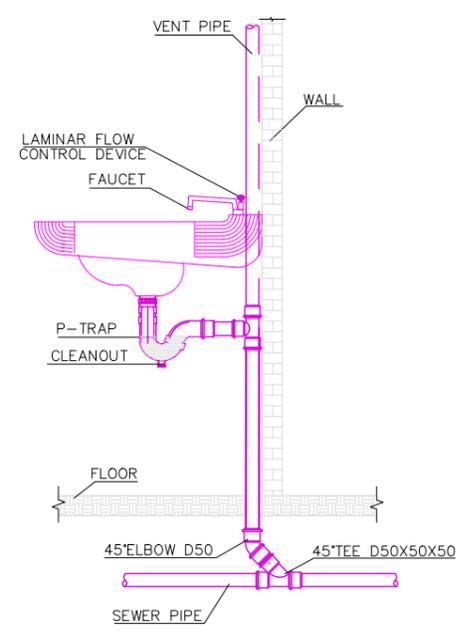
**02 LAVATORY PLUMBING DETAIL**  
 P-501 SCALE: NTS



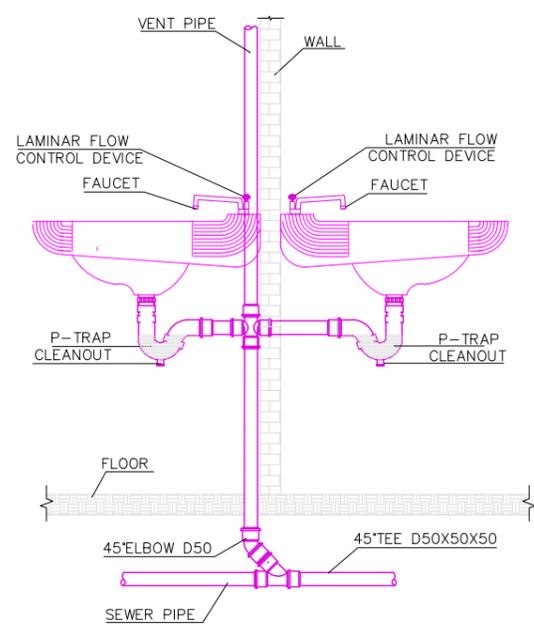
**04 P-TRAP DETAIL**  
 P-501 SCALE: NTS



**05 CLEANOUT DETAIL**  
 P-501 SCALE: NTS



**06 TYPICAL LAVATORY DETAIL**  
 P-501 SCALE: NTS



**07 BACK TO BACK LAVATORY DETAIL**  
 P-501 SCALE: NTS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



**DRAWN BY:**  
 Nasratullah  
**CHECKED BY:**  
**REVIEWED BY:**  
**APPROVED BY:**

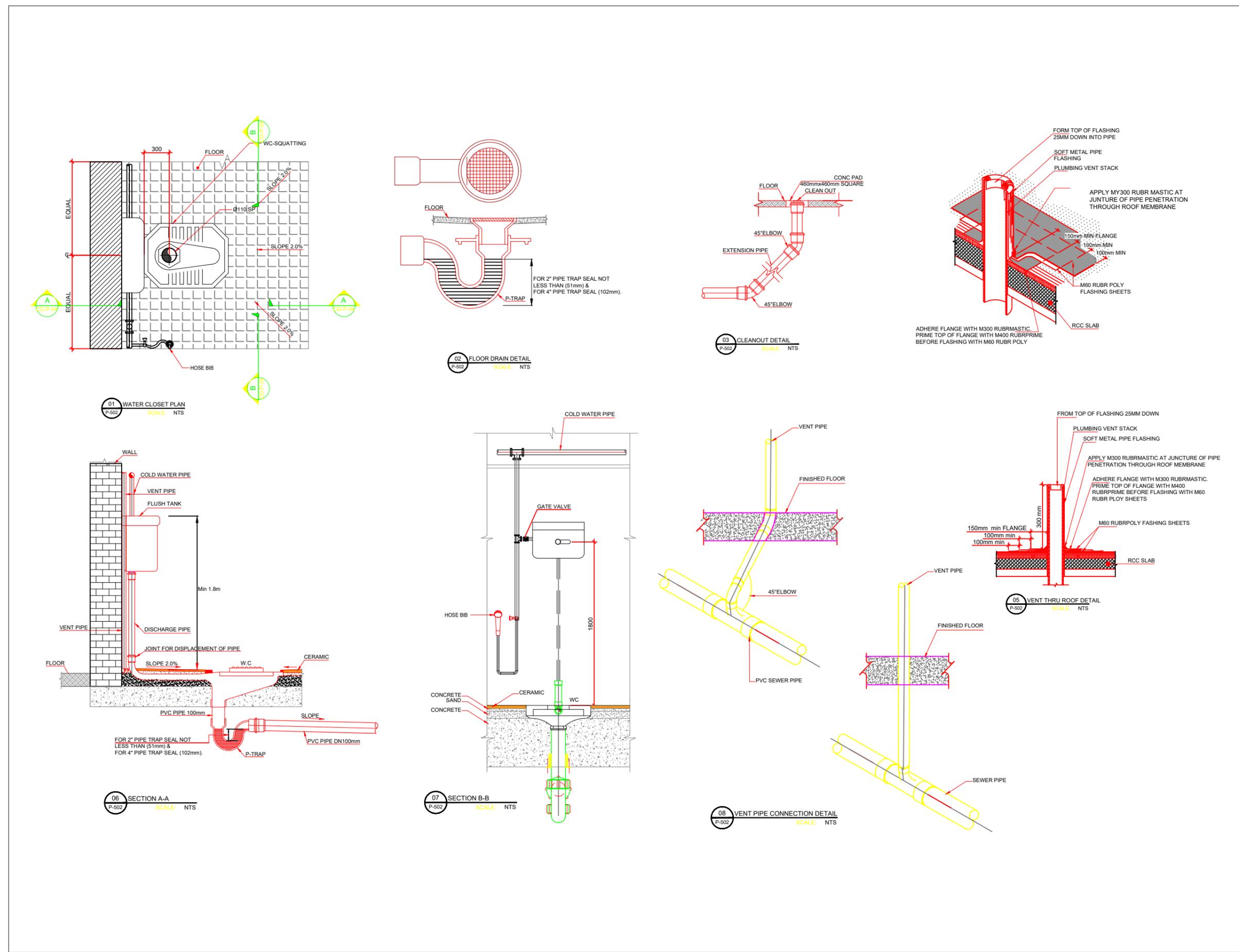
**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P-502.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**DETAIL**

**DRG REF NO:**  
**P-502**  
**SHEET 14 of 17**

**REV NO:**  
**0**



CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DIMENSIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAËEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnahmadi.cc@gmail.com  
 PHONE #+93(0)797024024/+93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

**QIBLA FOR KABUL = 253° FROM NORTH**

**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

**FILE REF. / NAME:**  
 P-503.dwg

**SCALE:**  
 AS NOTED

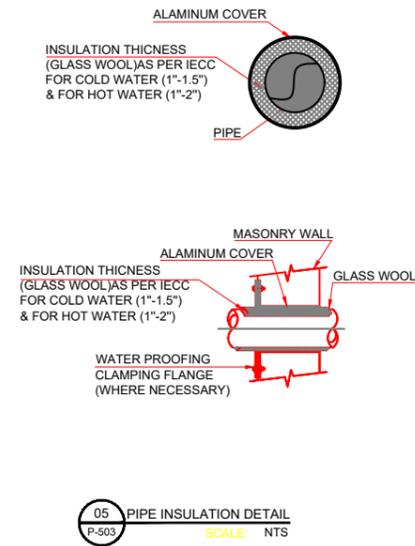
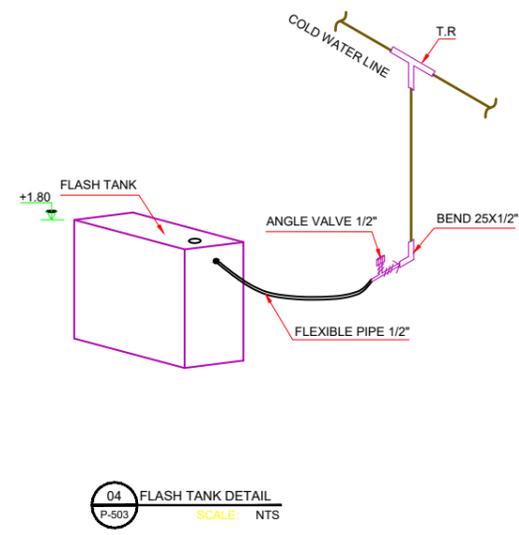
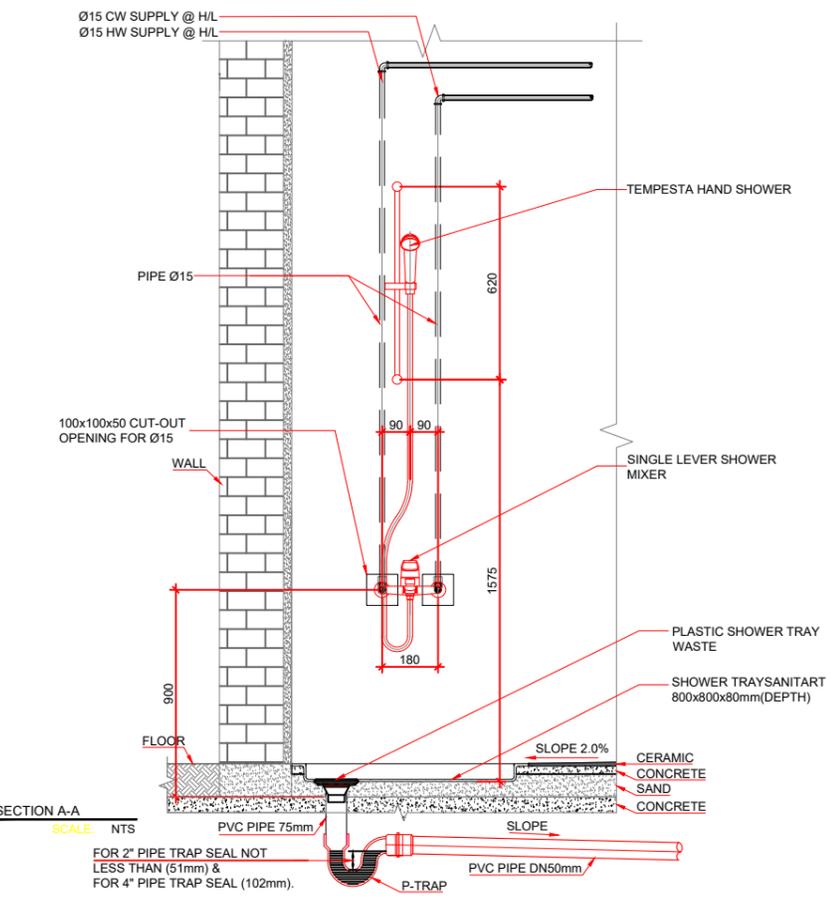
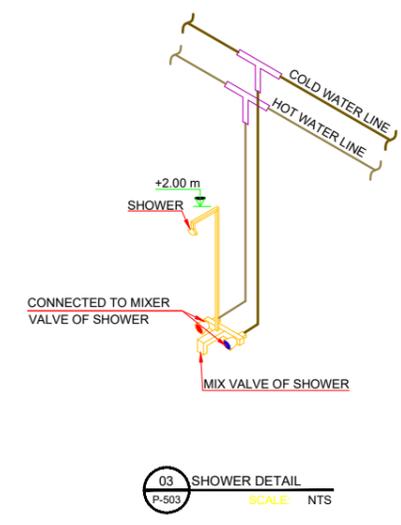
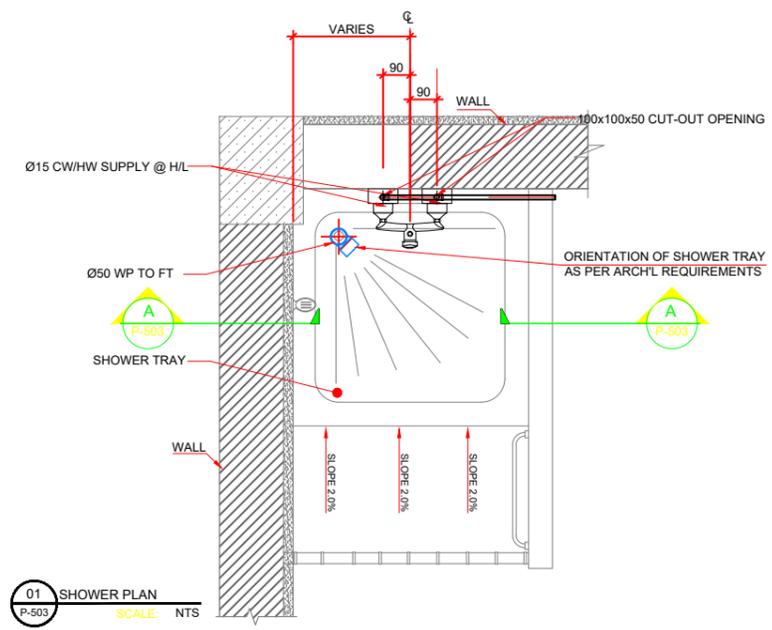
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**DETAIL**

**DRG REF NO:**  
**P-503**

**REV NO:**  
 0

**SHEET 15 of 17**



D  
C  
B  
A

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL - AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
 E-MAIL:  
 CELL #:



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
 E-MAIL: mnaemahadi.cc@gmail.com  
 PHONE #: ++93(0)797024024/++93(0)744862578  
 FAX #:



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

**DRAWING ISSUE HISTORY**

REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**



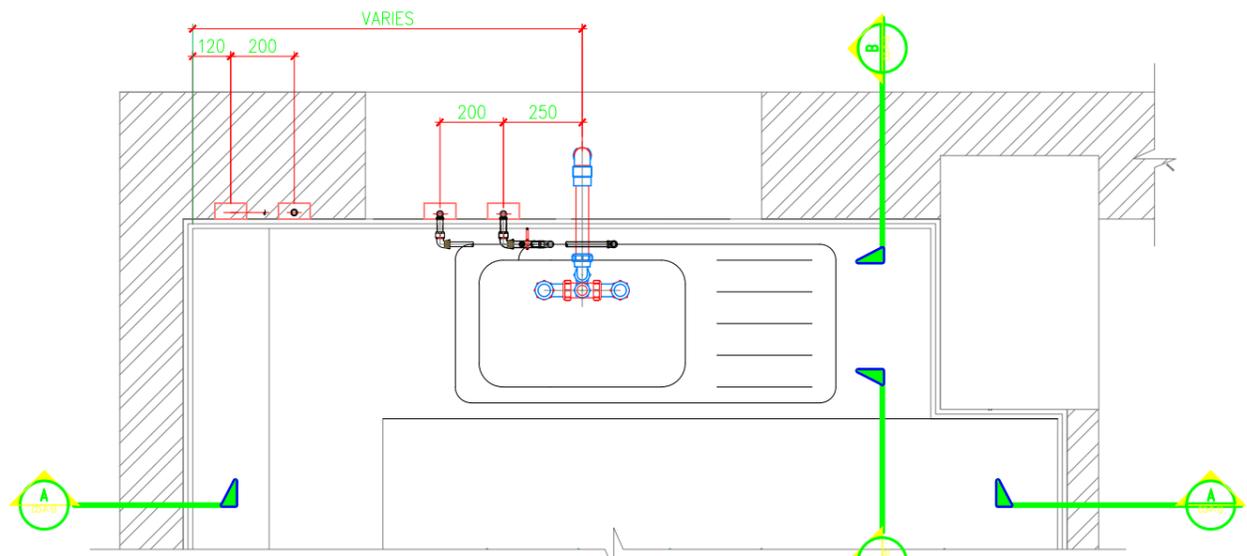
**DRAWN BY:**  
 - Nasratullah  
**CHECKED BY:**  
 -  
**REVIEWED BY:**  
 -  
**APPROVED BY:**  
 -

**SEAL/SIGNATURE:**

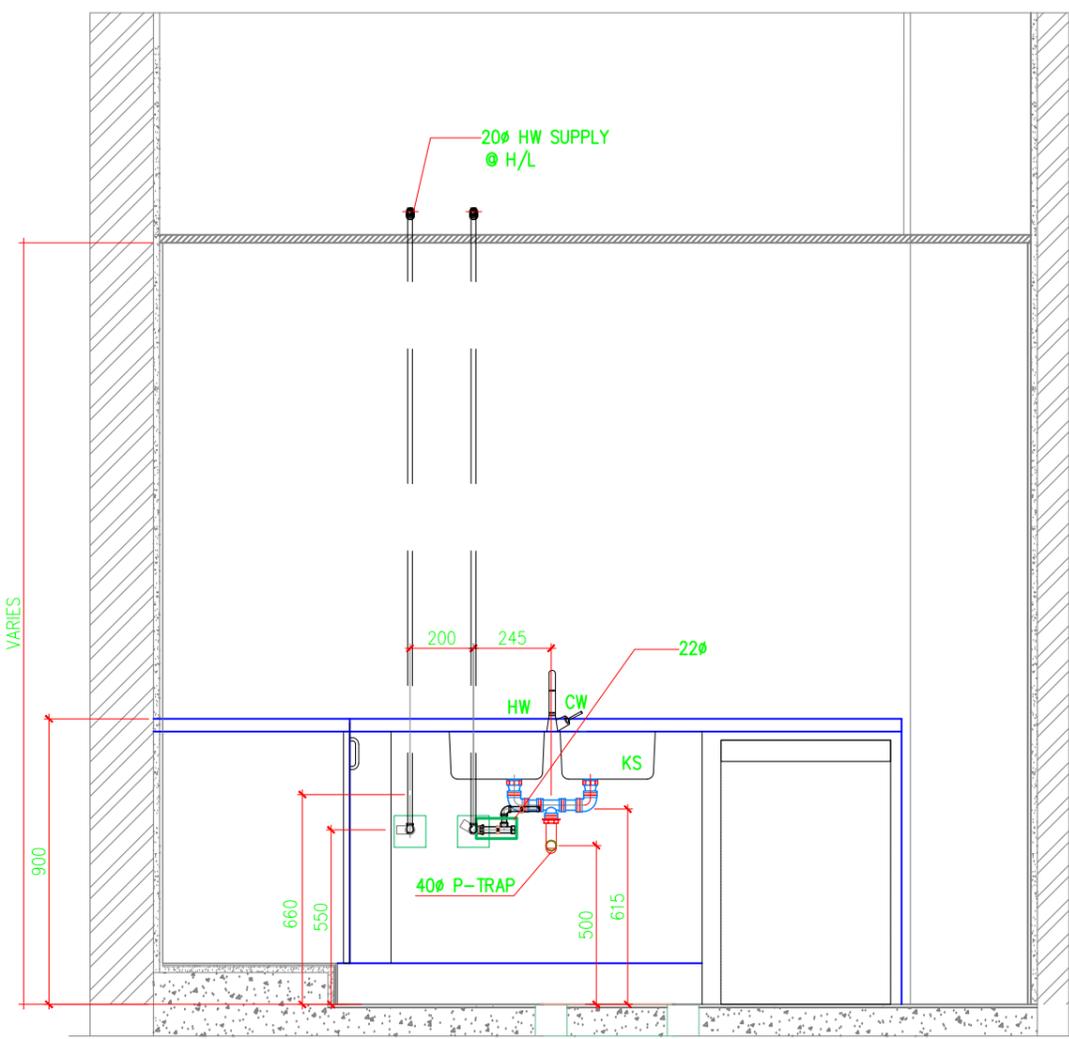
**FILE REF. / NAME:**  
 P-504.dwg  
**SCALE:**  
 AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
 SECTION

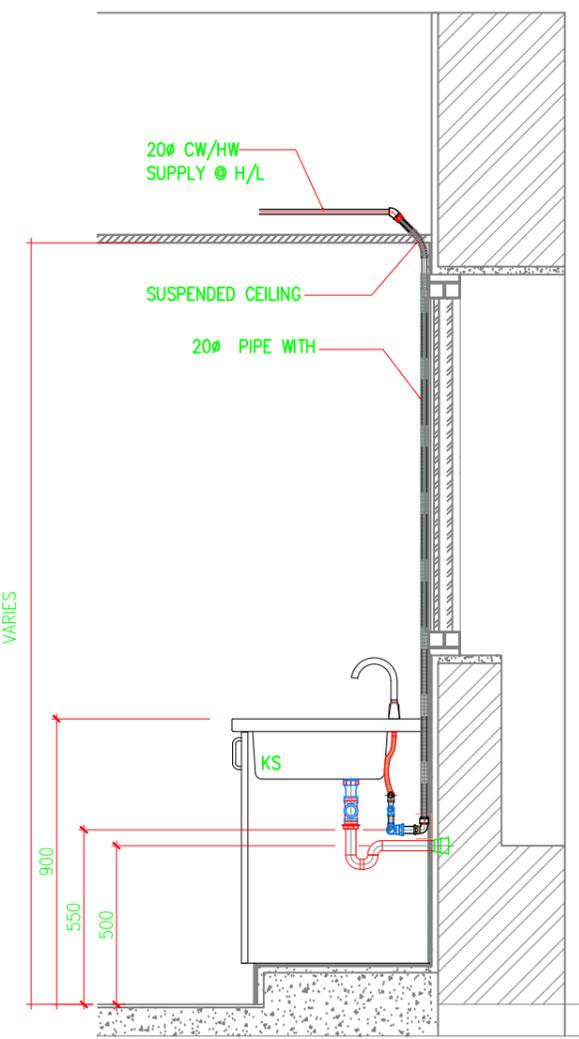
**DRG REF NO:**  
 P-504  
**REV NO:**  
 0  
**SHEET** 16 **of** 17



**PLAN**



**SECTION A-A**



**SECTION B-B**

D

C

B

A

1

2

3

4

5

1

2

3

4

5

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS \* DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION \* DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS

**PROJECT:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
 FWC & MHL PROJECT IN MALALAI NATIONAL  
 SPECIALIZED HOSPITAL IN  
 KABUL- AFGHANISTAN

**OWNER:**  
 AFGHAN FAMILY GUIDANCE ASSOCIATION  
**FOCAL NAME:**  
**E-MAIL:**  
**CELL #:**



**DEVELOPER:**  
 MOSTAFA NAEEM AHMADI ROAD &  
 CONSTRUCTION COMPANY  
**WEB:**  
**E-MAIL:** mnaemahadi.cc@gmail.com  
**PHONE #:** +93(0)797024024/+93(0)744862578  
**FAX #:**



**ARCHITECT:**  
 Naeem Ahmadi  
**STRUCTURAL ENGINEER:**  
 Nasratullah Nasrat  
**ELECTRICAL ENGINEER:**  
 Abdul Hanan Zafarmal  
**PLUMBING ENGINEER:**  
 Ghafoor Ghani  
**MECHANICAL ENGINEER:**  
 Abdul Hanan Zafarmal

DRAWING ISSUE HISTORY		
REV	DESCRIPTION	DATE

**PROJECT NO / KEY:**  
 -----

**DESIGN / PROJECT STATUS:**  
**FOR TENDER ONLY**

**KEYPLAN:**

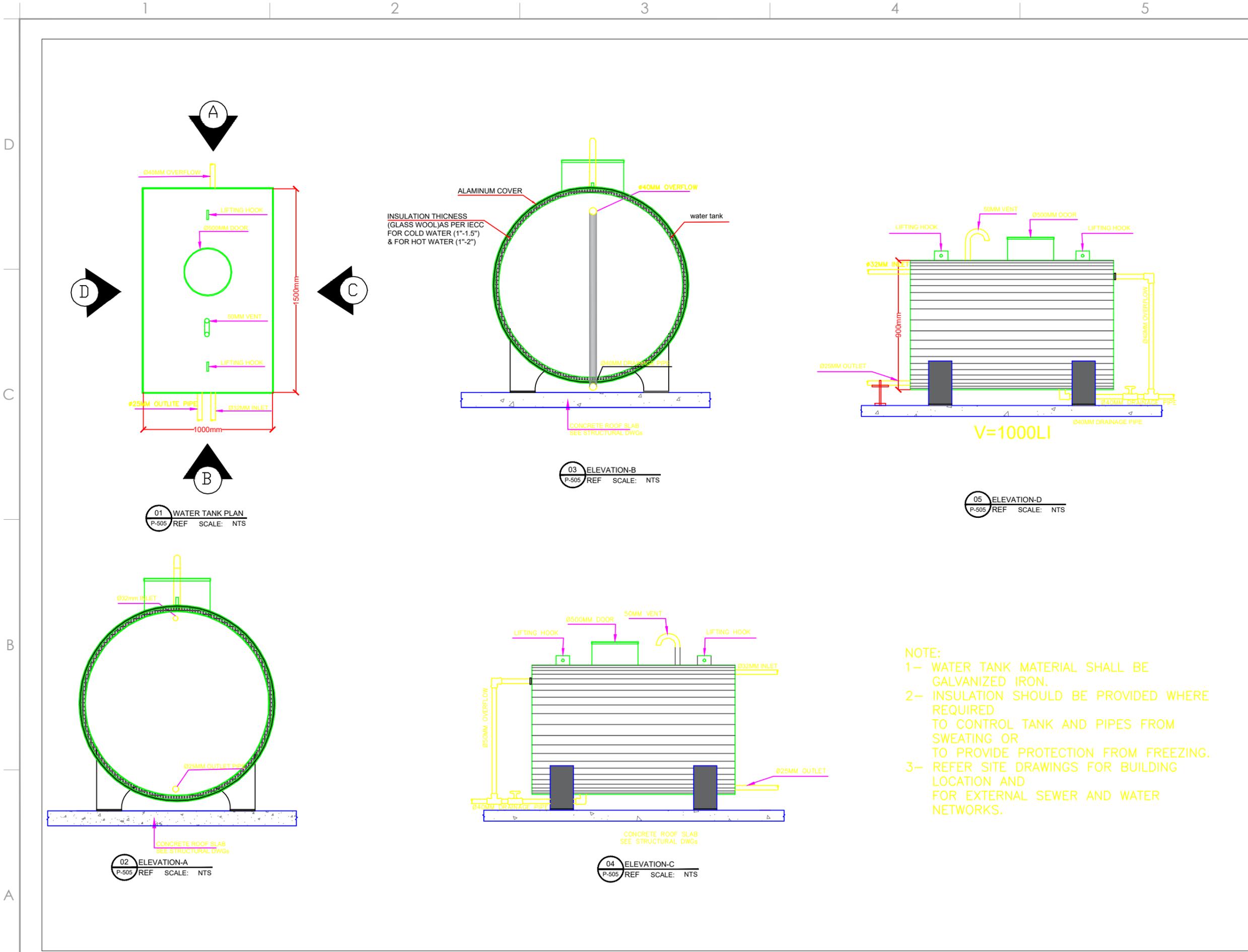
QIBLA FOR  
KABUL = 253°  
FROM NORTH

<b>DRAWN BY:</b> - Nasratullah	<b>SEAL/SIGNATURE:</b>
<b>CHECKED BY:</b> -	
<b>REVIEWED BY:</b> -	
<b>APPROVED BY:</b> -	

**FILE REF. / NAME:**  
 P-505.dwg  
**SCALE:** AS NOTED  
**ISSUE DATE:**  
 07-May-2023

**DRG TITLE:**  
**WATER TANK**

<b>DRG REF NO:</b> P-505	<b>REV NO:</b> 0
<b>SHEET 17 of 17</b>	



**NOTE:**  
 1- WATER TANK MATERIAL SHALL BE GALVANIZED IRON.  
 2- INSULATION SHOULD BE PROVIDED WHERE REQUIRED TO CONTROL TANK AND PIPES FROM SWEATING OR TO PROVIDE PROTECTION FROM FREEZING.  
 3- REFER SITE DRAWINGS FOR BUILDING LOCATION AND FOR EXTERNAL SEWER AND WATER NETWORKS.

**01 WATER TANK**  
 P-505 SCALE: 1:16

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS & OMISSIONS TO THE CONSULTANTS • DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED & SIGNED BY CONSULTANTS AND ISSUED FOR CONSTRUCTION • DO NOT SCALE DRAWING - ALL SURVEY AND DEMARCATIONS TO BE BASED ON PRINTED DIMENSIONS