

ELECTRICAL DESIGN DRAWINGS INDEX

DRAWING INDEX

**World Bank**

**FDRE - Ministry of Finance UNOPS - ETMCO**

**Response -Recovery-Resilience for  
conflict affected communities in Ethiopia**

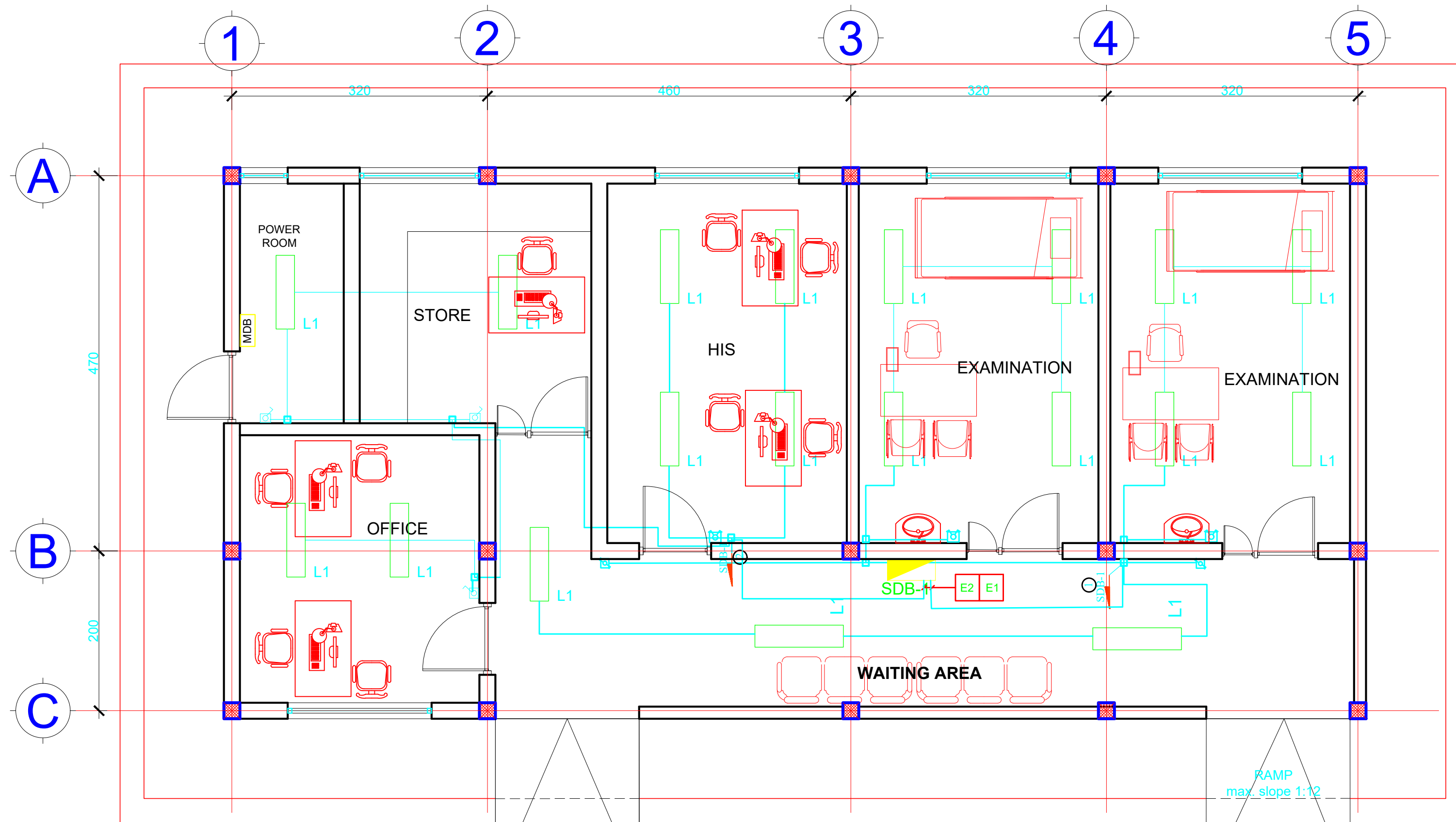
**SEMRET HEALTH POST**

DRAWING NO		DESCRIPTION	REVISION
EL 01/07	SITE	ELECTRICAL SITE PLAN	
EL 02/07	OUTPATIENT DEPARTMENT (OPD)	LIGHTING & SOCKET LAYOUT	
EL 03/07		FIRE ALARM & FIRE FIGHTING LAYOUT	
EL 04/07	STAFF RESIDENCE	LIGTHING ,SOCKET , FIRE ALARM AND FIRE FIGHTING SYSTEM LAYOUT	
EL 05/07	DRY LATRINE	LIGHTING LAYOUT	
EL 06/07	GENERAL	DISTRIBUTION BOARD SCHEDULE	
EL 07/07		EARTHING DETAIL	

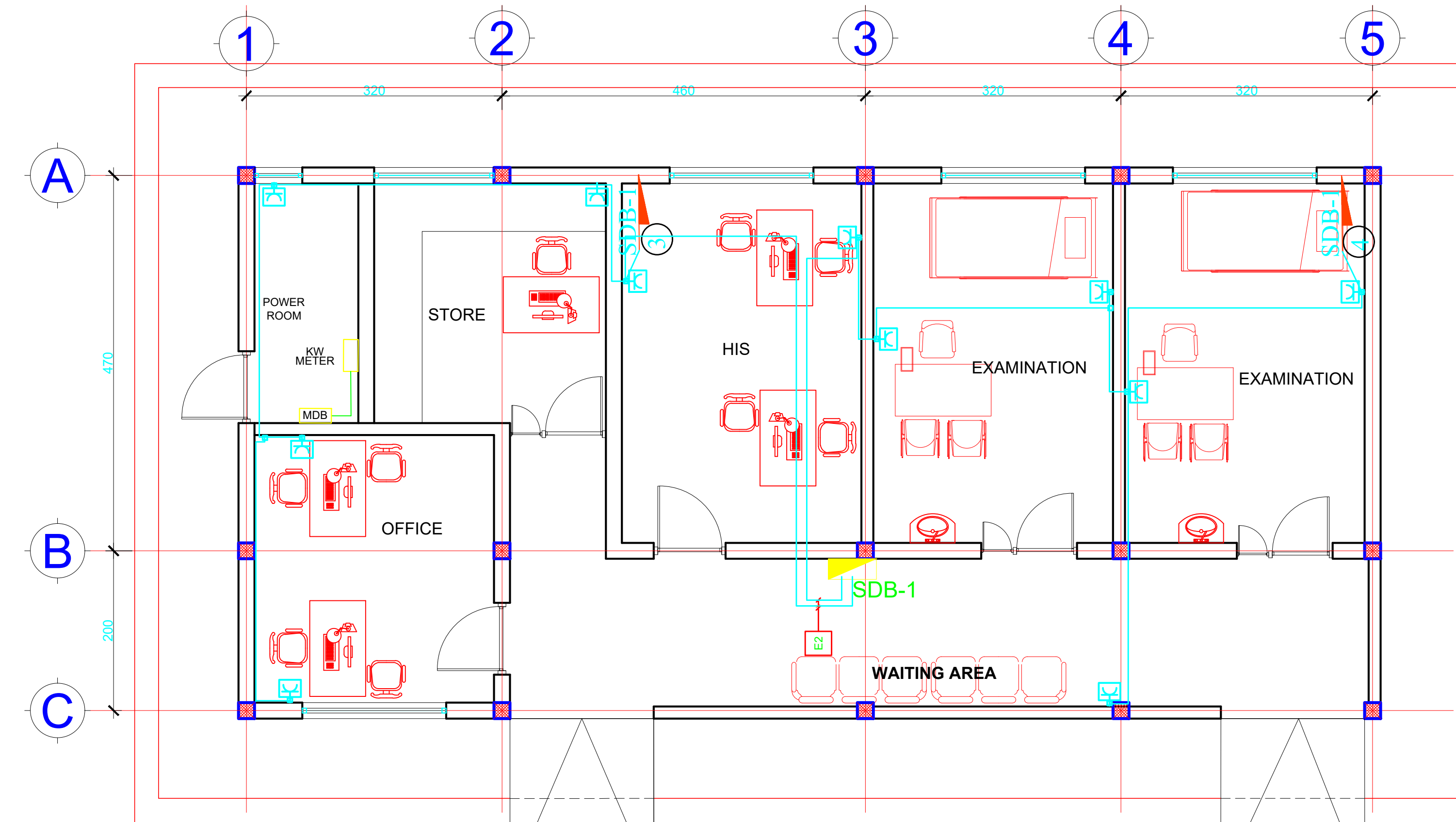








(Examination room, Office and Store)  
LIGHTING LAYOUT



(Examination room, Office and Store)  
SOCKET LAYOUT

LEGEND INDOOR LIGHTING			
SYMBOL	REFERENCE	DESCRIPTION / MOUNTING METHODS	FLUX
	L1	LED 5W Down light surface type 18W, 3000 K, 1450 lm, IP 44, Surface assembly	1450lm
	L2	LED 75W Ring Complex with size 9W, driver included 4000K, IP 65, Maximum 2500h life time, operating voltage 220VAC, 50 equivalent	7500lm
	L3	36W LED Panel Light 3600 LM IP 40	3600lm
	L4	40W LED Batten LES808 Light, IP 20	3800lm
	L5	30W Mini LED wall pack with integrated photocell, IP 65	3000lm
	L6	628 081628 00X 700m with LED 15W lamp, IP 65	7000lm
	EXIT	EXIT SIGN	
ELECTRICAL ACCESSORIES			
		One way switch, surface mounting	
		Double pole switch, surface mounting	
		Two way switch, single pole, surface mounting	
		Socket Outlet 2P+E, 230V, 25A, surface assembly for Stove	
		Socket Outlet 2P+E, 230V, 16A, with shutter, surface assembly	
		Socket Outlet 2P+E, 230V, 16A, surface assembly for water heater	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for television power supply	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for for organ Concentrator	
		Junction box, surface mounting	
		Switchboard - Mains Power Supply	
		SIGNAL CAN LIGHTING FAN 1W	
		Optical Smoke Detector	
		Data outlet 1x4x4 / 2x4x4 Cat5 - Surface assembly	
		Data IOT Floor	

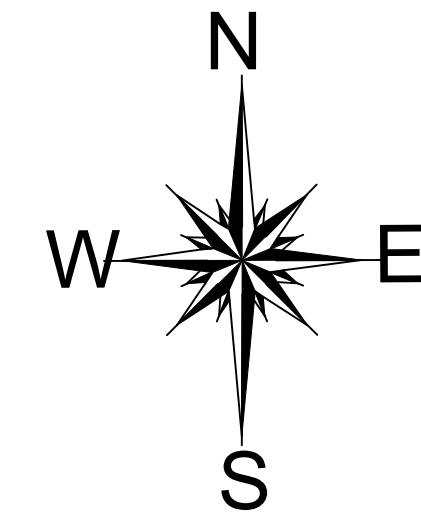
CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Switchboard - Mains Power Supply
	Manhole / Downward conductor with connection terminal (Cable 400x60x400mm - H x V x D)
	Manhole 400x400x400-HxVxD


- GENERAL NOTES**
- The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project.
  - The dimensions are given as an indication, the contractor must confirm them in place and perform precise measurements before the work is done.
  - All dimensions must be confirmed with the architectural project.
  - All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers.

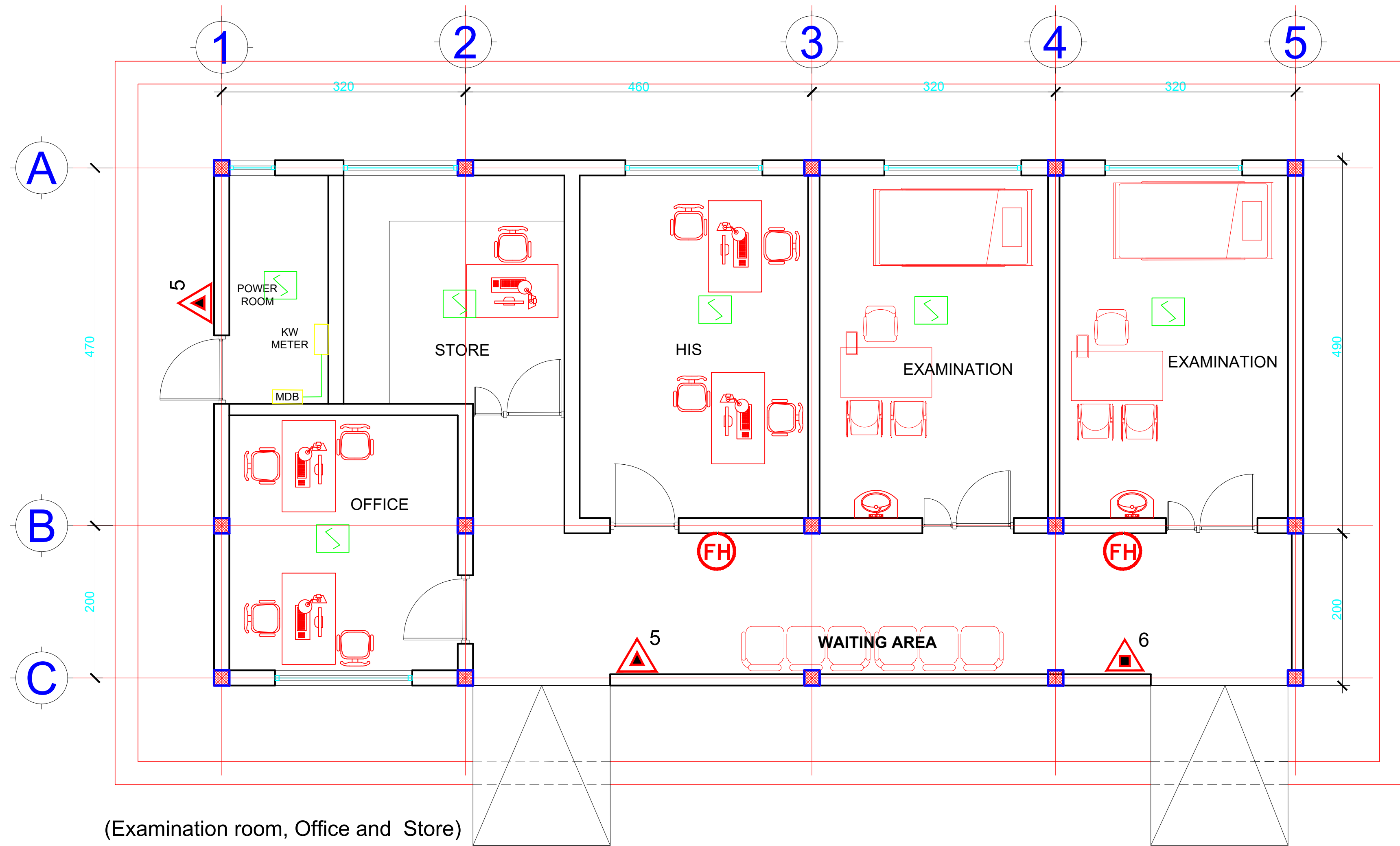
- NOTE**
- All dimensions are in meters
  - All branch breakers are 10ka rated interrupting capacity and type shall be "C curve"
  - All elevations are referred to above finished floor level (a.f.f.)
  - All junction boxes are not shown but they are installed every two bends
  - All conduits used for lighting & socket outlets are pvc Ø 16mm, and for telephone, tv lines are pvc Ø 25mm diameter from riser point to junction box, and pvc Ø 21mm pvc Ø 16mm, 4mm Ø 16mm depending on the number of lines inside conduits from junction box to every individual data point
  - Installation elevations above F.F. are @1.40m for switch, @2.00m for water, @0.60m for socket outlets
  - Cable type for the wiring to be used is pvc sheathed, pvc insulated, type nyy 0.6/1kV or equivalent
  - Switches will be legend mosaic, decora/mono type or equivalent
  - Illumination level for each room is maintained as per Ethiopian building standard code about 10
  - Cable color code will be red for r ph, yellow for y ph, blue for b ph and black for neutral upto cable size upto 25 sq mm, above 25 sq mm cable color will be black with rib identification

All light are surface mounted, mounting height is normal ceiling height.  
Sockets locations are indicative and can be modified based on site conditions.  
MDB & Sdb board arrangements are shown as indicative.

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KEY PLAN						
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Funded By:			Partner:			
World Bank			FDRE- Ministry of Finance			
Program:			Implemented By:			
Response -Recovery-Resilience for conflict affected communities in Ethiopia			FDRE - Ministry of Finance UNOPS - ETMCO			
Project Name:			Design:			
SEMRET HEALTH POST			UNOPS-ETMCO			
Drawing Title:						
(OPD) Lighting &socket layout						
Designed by		Discipline:	Dr. No:	Tot. No:	Rev No:	
YG		EL	02	07	R0	
Drawn:	Checked:	Approved:	Size:	Scale:	Date:	Rev.:
FM	AE	SH	A1	1:250	02 / 06 /2023	0



(Examination room, Office and Store)

## FIRE ALARM & FIRE FIGHTING LAYOUT

LEGEND INDOOR LIGHTING			FLUX
SYMBOL	REFERENCE	DESCRIPTION / MOUNTING METHODS	
	L1	LED 5m Down light surface type 18W, 3000 K, 1450 lm, IP 44, Surface assembly	1450lm
	L2	LED T5 Ring Complex with size 9W, driver included 4000K, IP 65, Maximum 2500lm 8h beam, operating voltage 220VAC, 50 equivalent	7500lm
	L3	36W LED Panel Light 3600 LM IP 40	3600lm
	L4	40W LED Batten LBS008 Light, IP 20	3800lm
	L5	30W Mini LED wall pack with integrated photocell, IP 65	3000lm
	L6	R2B 081628.00X 700lm with LED 15W lamp, IP 65	700lm
	EXIT	EXIT SIGN	
ELECTRICAL ACCESSORIES			
	1	One way switch, surface mounting	
	2	Double pole switch, surface mounting	
	3	Two way switch, single pole, surface mounting	
	4	Socket Outlet 2P+E, 230V, 25A, surface assembly for Stove	
	5	Socket Outlet 2P+E, 230V, 16A, with shutter, surface assembly	
	6	Socket Outlet 2P+E, 230V, 16A, surface assembly for water heater	
	7	Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for television power supply	
	8	Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for for organ Concentrator	
	9	Junction box, surface mounting	
	10	Switchboard - Mains Power Supply	
	11	SPLITTING TRANSFORMER 10KVA	
	12	Optical Smoke Detector	
	13	Data outlet 1xRJ45 / 2xRJ45 Cat5 - Surface assembly	
	14	Data IOT Floor	

CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Switchboard - Mains Power Supply
	Manhole / Downward conductor with connection terminal (Cable 400x60x400mm - H x W x D)
	Manhole 400x400x400-HxWxD

**GENERAL NOTES**

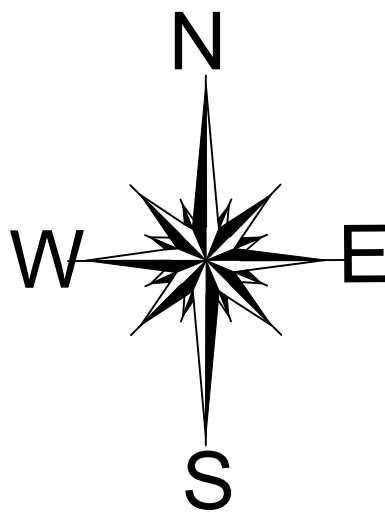
- The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project.
- The dimensions are given as an indication, the contractor must confirm them in place and perform precise measurements before the work is done.
- All dimensions must be confirmed with the architectural project.
- All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers.

**NOTE**

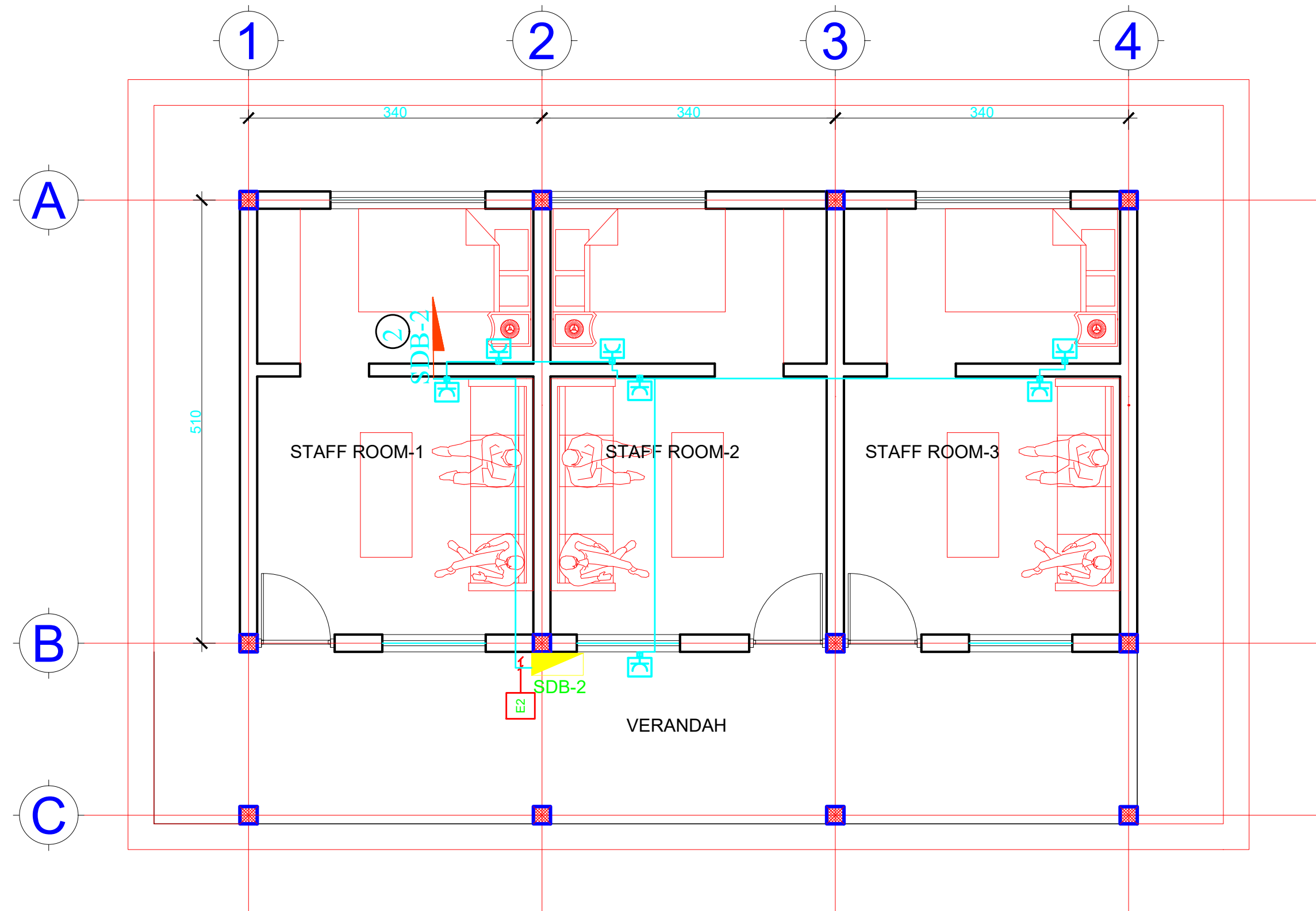
- All dimensions are in meters
- All branch breakers are 10ka rated interrupting capacity and type shall be "C curve"
- All elevations are referred to above finished floor level (a.f.f.)
- All junction boxes are not shown but they are installed every two bends
- All conduits used for lighting & socket outlets are pvc Ø 16mm, and for telephone, tv lines are pvc Ø 25mm diameter from riser point to junction box, and pvc Ø 21mm pvc Ø 16mm, 4mm Ø 16mm depending on the number of lines inside conduits from junction box to every individual data point
- Installation elevations above f.f. are @1.40m for switch, @2.00m for water, @0.60m for socket outlets
- Cable type for the wiring to be used is pvc sheathed, pvc insulated, type nyy 0.6/1kV or equivalent.
- Switches will be legend mosaic, decora/uno type or equivalent
- Illumination level for each room is maintained as per Ethiopian building standard code 400-10.
- Cable color code will be red for r, ph, yellow for y, blue for b, and black for neutral upto cable size upto 25 sq mm, above 25 sq mm cable color will be black with r/y/b identification.

All light are surface mounted, mounting height is normal ceiling height.  
Sockets locations are indicative and can be modified based on site conditions.  
MDB & Sdb board arrangements are shown as indicative.

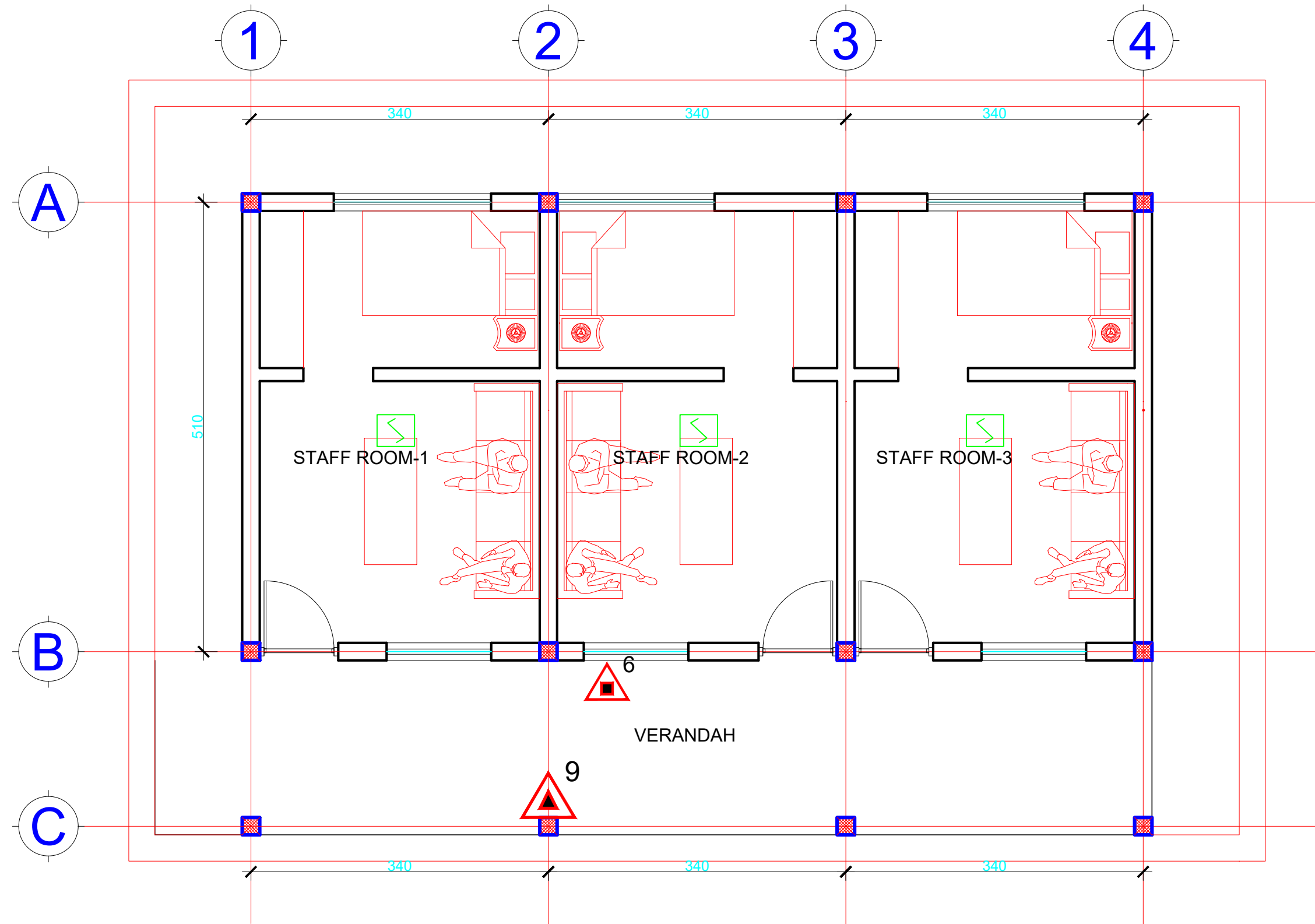
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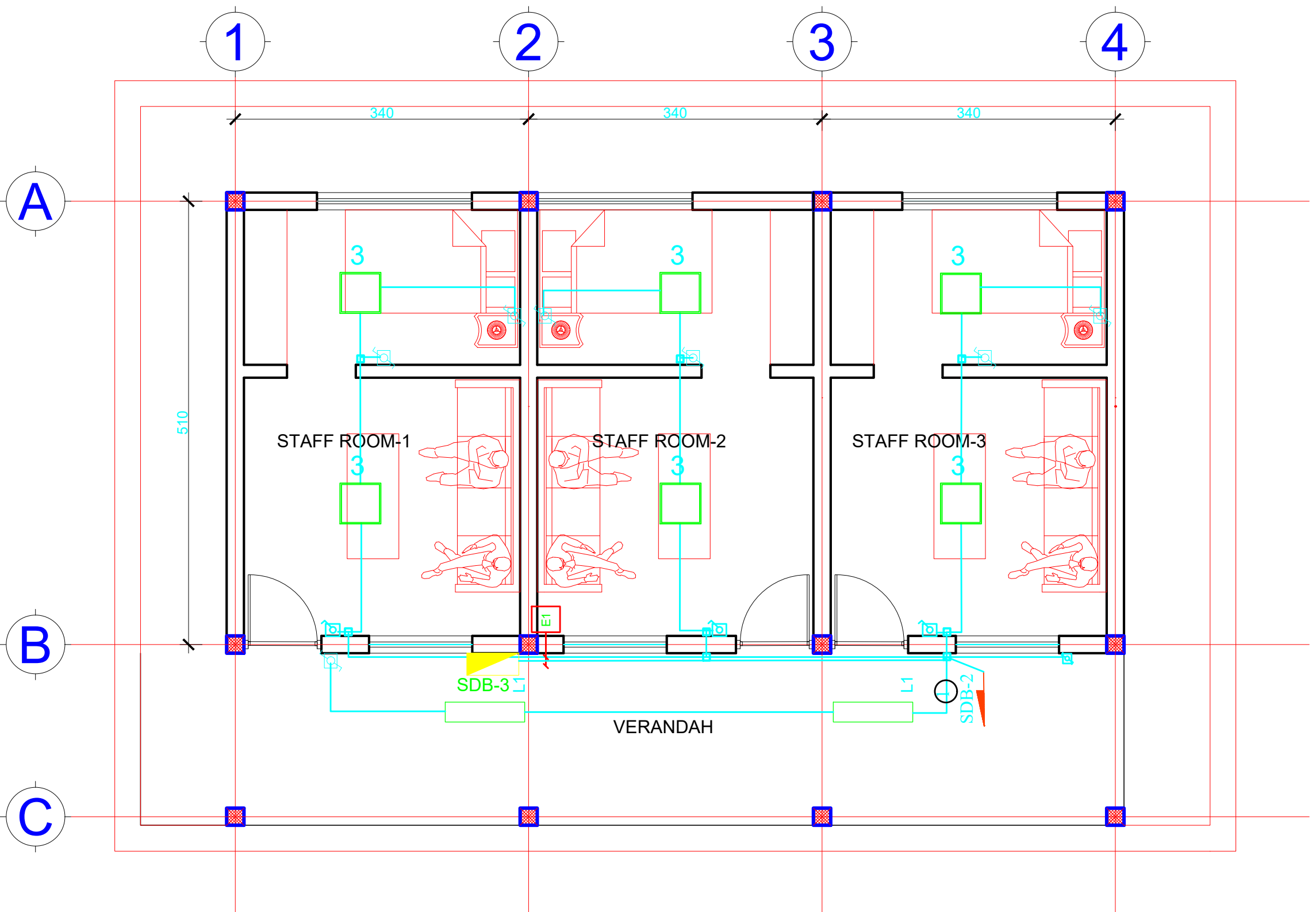
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World Bank		FDRE- Ministry of Finance		
Program:		Implemented By:		
Response -Recovery-Resilience for conflict affected communities in Ethiopia		FDRE - Ministry of Finance UNOPS - ETMCO		
Project Name:		Design:		
SEMRET HEALTH POST		UNOPS-ETMCO		
Drawing Title:		(OPD) Fire alarm & fire fighting layout		
Designed by	Discipline:	Dr. No:	Tot. No:	Rev. No:
YG	EL	03	07	R0
Drawn:	Checked:	Approved:	Size:	Scale:
FM	AE	SH	A1	1:250
Date:		Date:		Rev.:
02 / 06 /2023		02 / 06 /2023		0



(Staff Residence)  
SOCKET LAYOUT



(Staff Residence)  
FIRE ALARM & FIRE FIGHTING LAYOUT

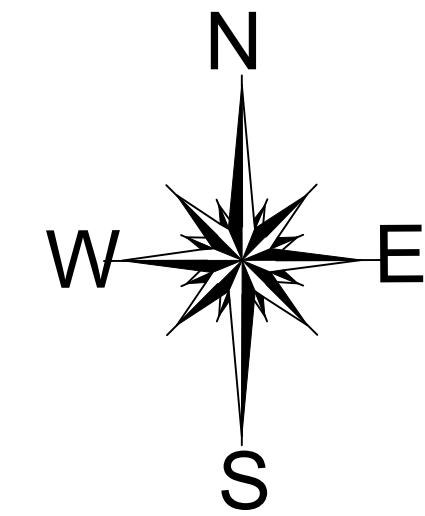



(Staff Residence)  
LIGHTING LAYOUT

LEGEND INDOOR LIGHTING			
SYMBOL	REFERENCE	DESCRIPTION / MOUNTING METHODS	FLUX
	L1	LED 5m Down light surface type 18W, 3000 K, 1450 lm, IP 64, Surface assembly	1450lm
	L2	LED 75 fitting Complex with size 9W, driver included 4000K, IP 65, Maximum 2500lm 8h 5m, operating voltage 220VAC, 50 equivalent	7500lm
	L3	36W LED Panel Light 3600 LM IP 40	3600lm
	L4	40W LED Batten L1800x Light, IP 20	3800lm
	L5	30W Mini LED wall pack with integrated photocell, IP 65	3000lm
	L6	R2B 081628 00X 700m with LED 15W lamp, IP 65	700lm
	EXIT	EXIT SIGN	
ELECTRICAL ACCESSORIES			
		Two way switch, surface mounting	
		Double pole switch, surface mounting	
		Two way switch, single pole, surface mounting	
		Socket Outlet 2P+E, 230V, 25A, surface assembly for Slove	
		Socket Outlet 2P+E, 230V, 16A, surface assembly	
		Socket Outlet 2P+E, 230V, 16A, surface assembly for water heater	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for television power supply	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for for organ Concentrator	
		Junction box, surface mounting	
		Switchboard - Mains Power Supply	
		SEALING CAN LUBRICATING FAN 1kW	
		Optical Smoke Detector	
		Data outlet 1xRJ45 / 2xRJ45 Cat5 - Surface assembly	
		Data IOT Floor	

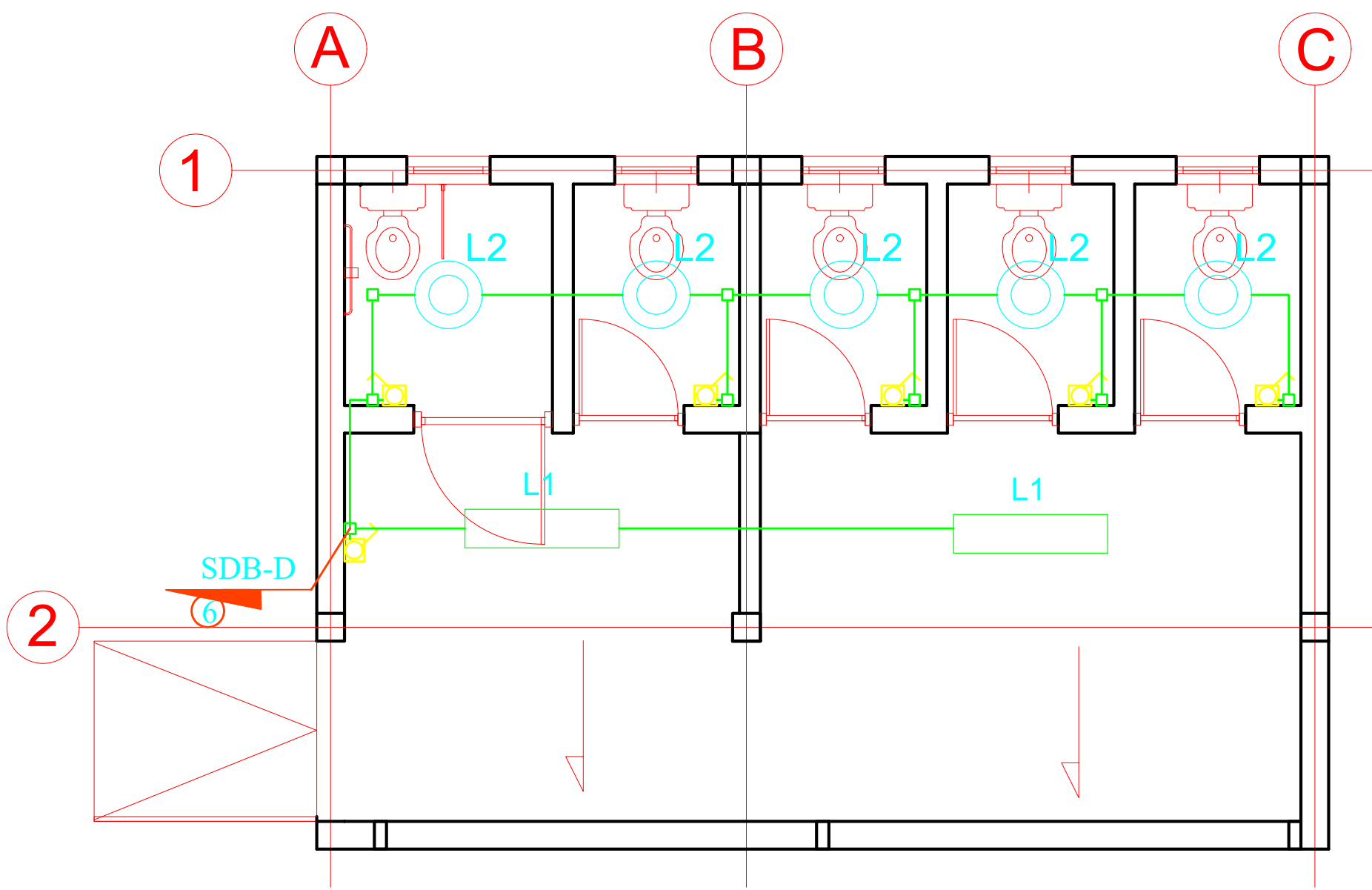
CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Switchboard - Mains Power Supply
	Manhole / Downward conductor with connection terminal (Cable 400x600x400mm - H x W x D)
	Manhole 400x600x400-HxWxD
GENERAL NOTES	
<ul style="list-style-type: none"><li>The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project.</li><li>The dimensions are given as an indication, the contractor must confirm them in place and perform precise measurements before the work is done.</li><li>All dimensions must be confirmed with the architectural project.</li><li>All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers.</li></ul>	
NOTE	
<ul style="list-style-type: none"><li>1 - All dimensions are in meters</li><li>2 - All branch breakers are 10ka rated interrupting capacity and type shall be "C curve"</li><li>3 - All elevations are referred to above finished floor level (a.f.f.)</li><li>4 - All junction boxes are not shown but they are installed every two bends</li><li>5 - All conduits used for lighting &amp; socket outlets are pvc Ø 16mm, and for telephone, tv lines are pvc Ø 25mm diameter from riser point to junction box, and pvc Ø 21mm pvc Ø 16mm, 4mm Ø 16mm depending on the number of lines inside conduits from junction box to every individual data point</li><li>6 - Installation elevations above F.F. are @1.40m for switch, @2.00m for water, @0.60m for socket outlets</li><li>7 - Cable type for the wiring to be used is pvc sheathed, pvc insulated, type nyy 0.6/1kV or equivalent.</li><li>8 - Switches will be legend mosaic, decora/uno type or equivalent</li><li>9 - Illumination level for each room is maintained as per Ethiopian building standard code above 10.</li><li>10 - Cable color code will be red for r ph, yellow for y ph, blue for b ph, and black for neutral upto cable size upto 25 sq mm, above 25 sq mm cable color will be black with rib identification.</li></ul> <p>All light are surface mounted, mounting height is normal ceiling height. Socket locations are indicative and can be modified based on site conditions. Mdb &amp; Sdb board arrangements are shown as indicative.</p>	

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World Bank	FDRE- Ministry of Finance					
Program:	Implemented By:					
Response -Recovery-Resilience for conflict affected communities in Ethiopia	FDRE - Ministry of Finance UNOPS - ETMCO					
Project Name:	Design:					
SEMRET HEALTH POST	UNOPS-ETMCO					
<div></div>						
Drawing Title:						
(Staff Residence)						
Lighting ,socket, fire alarm and fire fighting layout						
Designed by	Discipline:	Dr. No:	Tot. No:	Rev No:		
YG	EL	04	07	R0		
Drawn:	Checked:	Approved:	Size:	Scale:	Date:	Rev.:
FM	AE	SH	A1	1:250	02 / 06 /2023	0





(Dry Latrine - Patient)  
LIGHTING LAYOUT

LEGEND INDOOR LIGHTING			FLUX
SYMBOL	REFERENCE	DESCRIPTION / MOUNTING METHODS	
	L1	LED 6pin Down light surface type 18W, 3000 K/ 1450lm, IP 44, Surface assembly	1450lm, recess
	L2	LED T8 Ring Complete with tube 8W, driver included, 4000K, IP 65, Minimum 2500h life time, operating voltage 220V AC, ON equipment	7500lm
	L3	30W LED Panel Light 3000LM, IP 40	3600lm
	L4	40W LED Batten LED8088 Light, IP 20	3800lm
	L5	30W Mini LED wall pack with integrated photocell, IP 65	3000lm
	L6	R2B 581628 ROK 700lm with LED 10W lamp, IP 65	7000lm
	EXIT	EXIT SIGN	

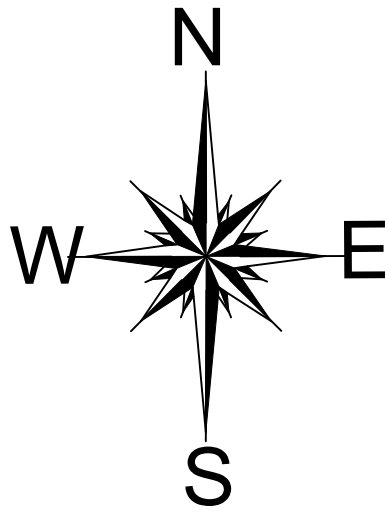
ELECTRICAL ACCESSORIES		
		One way switch, surface mounting
		Double pole switch, surface mounting
		Two way switch, single pole, surface mounting
		Socket Outlet 2P+E, 230V, 25A, surface assembly for Stove
		Socket Outlet 2P+E, 230V, 16A, with shutter, surface assembly
		Socket Outlet 2P+E, 230V, 16A, surface assembly for water heater
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for television power supply
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for for oxygen Concentrator
		Junction box, surface mounting
		Switchboard - Main Power Supply
		CEILING FAN / CEILING FAN 10W
		Optical Smoke Detector
		Data outlet 10x45 / 20x45 Cat6 - Surface assembly
		Data 10/7 Rack

CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Switchboard - Main Power Supply
	Manhole / Downward conductor with connection terminal (Cable 400x400x400mm - H x W x D)
	Manhole 400x400x400-HxWxD

GENERAL NOTES	
<ul style="list-style-type: none"><li>The implementation of the different components should be aligned by the contractor in the implementation phase, with the elements of the architectural project.</li><li>The dimensions are given in an indication, the contractor must confirm them in place and perform precise measurements before the work is done.</li><li>All dimensions must be confirmed with the architectural project.</li><li>All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers.</li></ul>	

NOTE	
<p>1 - All dimensions are in meters</p> <p>2 - All branch breakers are 10kA rated interrupting capacity and type shall be "c curve"</p> <p>3 - All elevations are referred to above finished floor level (a.f.f.)</p> <p>4 - All junction boxes are not shown but they are installed every two bends</p> <p>5 - All conduits used for lighting &amp; socket outlets are pvc Ø 16mm, and for telephone, tv lines are pvc Ø 20mm diameter from rise point to junction box, and pvc Ø 21mm pvc Ø 16mm, above Ø 16mm depending on the number of lines inside conduits from junction box to every individual data point.</p> <p>6 - Installation elevations above f.f. are Ø 1.40m for switch, Ø 2.00m for kWhm, Ø 2.60m for socket outlets</p> <p>7 - Cable type for the wiring to be used is pvc sheathed, pvc insulated, type nyy 5 G 6 for or equivalent.</p> <p>8 - Switches will be legrand mosaic, decorauro type or equivalent</p> <p>9 - Illumination level for each room is maintained as per Ethiopian building standard code etbc-10.</p> <p>10 - Cable color code will be red for r, yellow for y, blue for b, black for neutral upto cable size upto 25 sq. mm. above 25 sq. mm cable color will be black with r/y identification.</p> <p>All light are surface mounted, mounting height is normal ceiling height.</p> <p>Socket locations are indicative and can be modified based on site conditions.</p> <p>Map &amp; Sdb board arrangements are shown as indicative.</p>	

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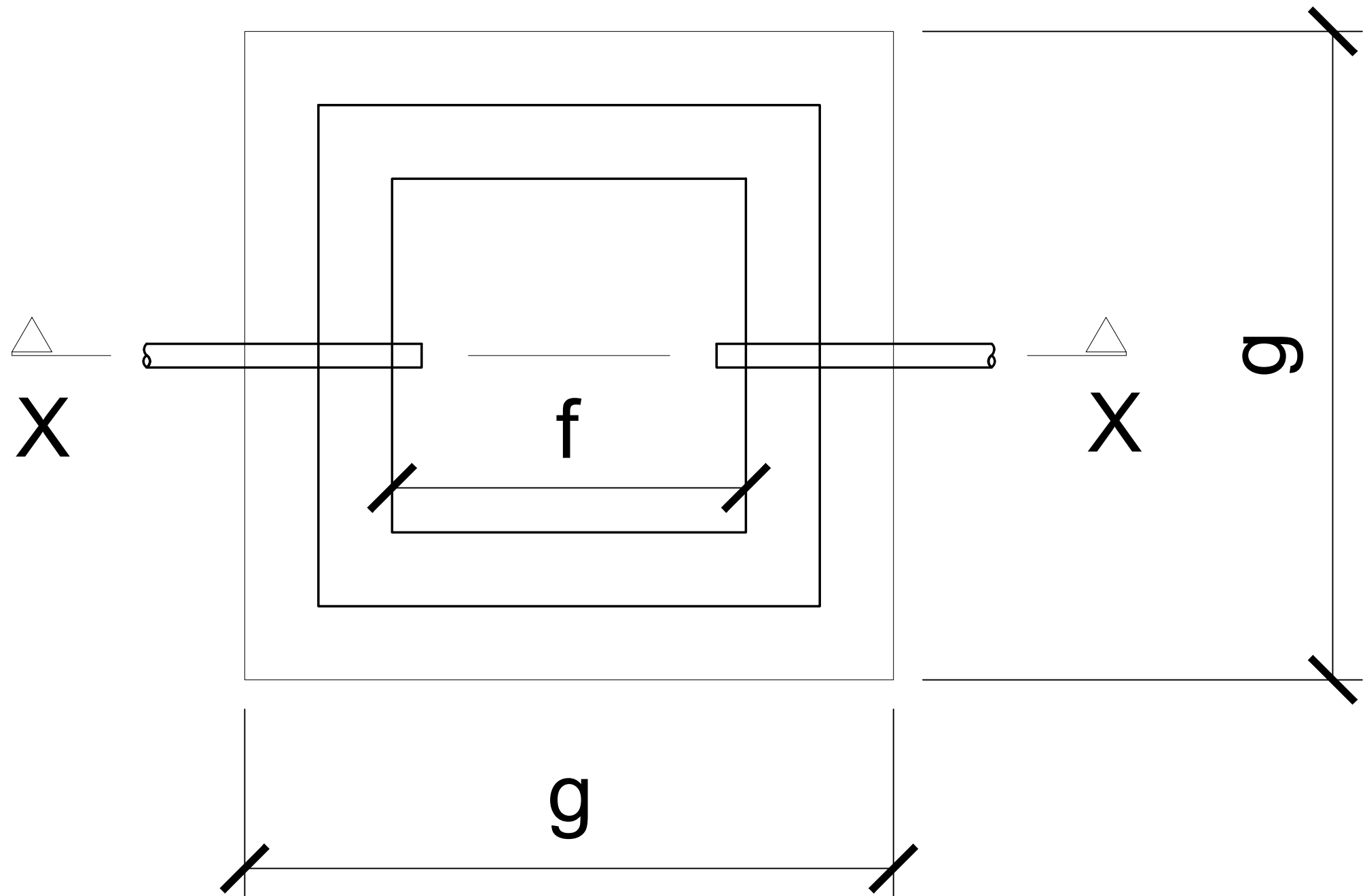


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Program:		Implemented By:		
Response -Recovery-Resilience for conflict affected communities in Ethiopia		FDRE - Ministry of Finance UNOPS - ETMCO		
Project Name:		Design:		
SEMRET HEALTH POST		UNOPS-ETMCO		
Drawing Title:		(Dry Latrine - Patient) Lighting layout		
Designed by		Discipline:	Dr. No:	Tot. No:
YG		EL	05	07
Drawn:		Checked:	Approved:	Size:
FM		AE	SH	A1
		Scale:		Date:
		1:250		02 / 06 /2023
		Rev.:		0





REF.	MANHOLE OF SIZE 600x600		MANHOLE OF SIZE 400x400	
	STONE	BRICK	STONE	BRICK
a	400	250	400	250
b	50	50	50	50
c	200	125	200	125
d	100	100	100	100
e	80	80	80	80
f	600	600	400	400
g	1400	1100	1200	900
h	180	180	180	180
i	700	700	500	500

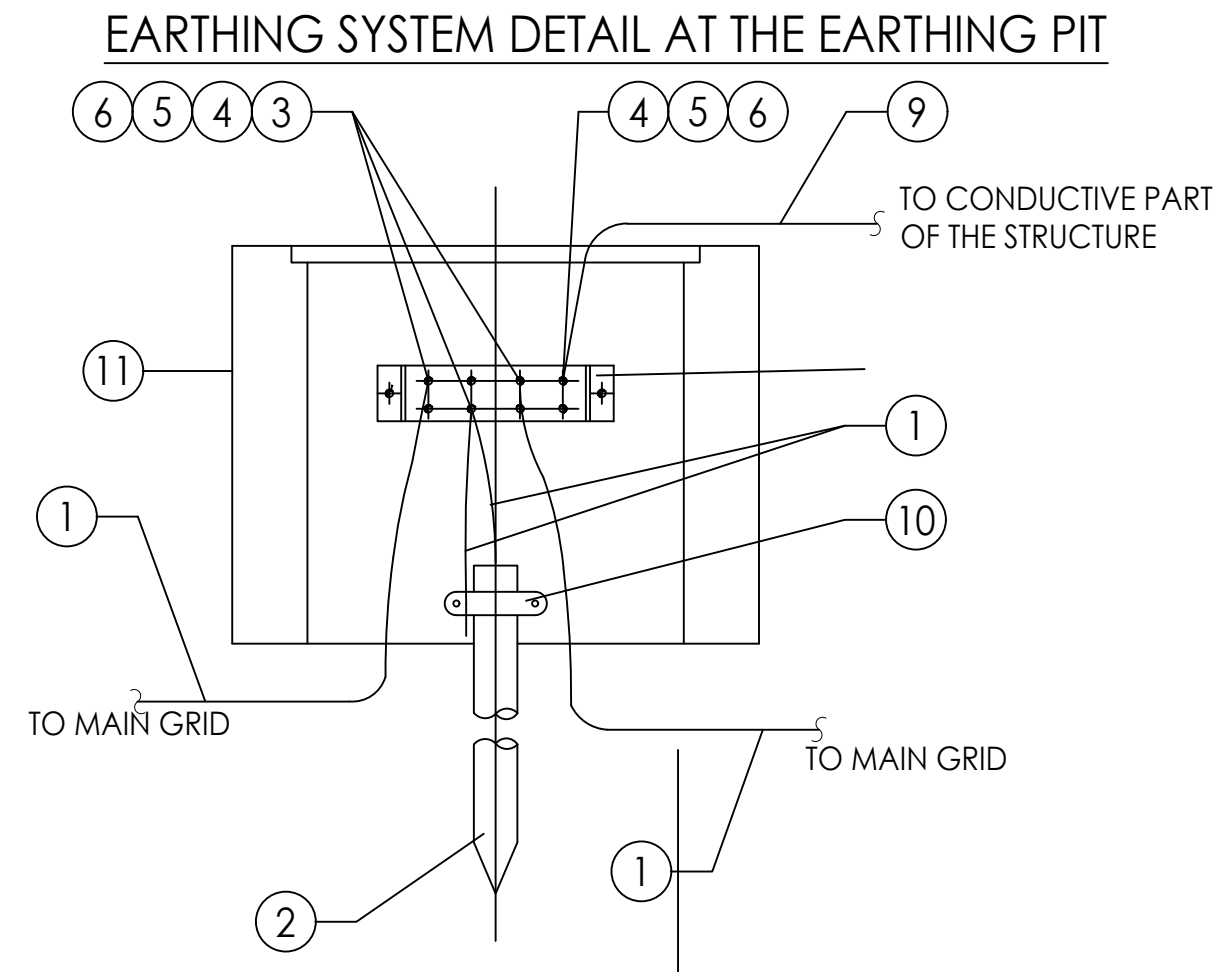
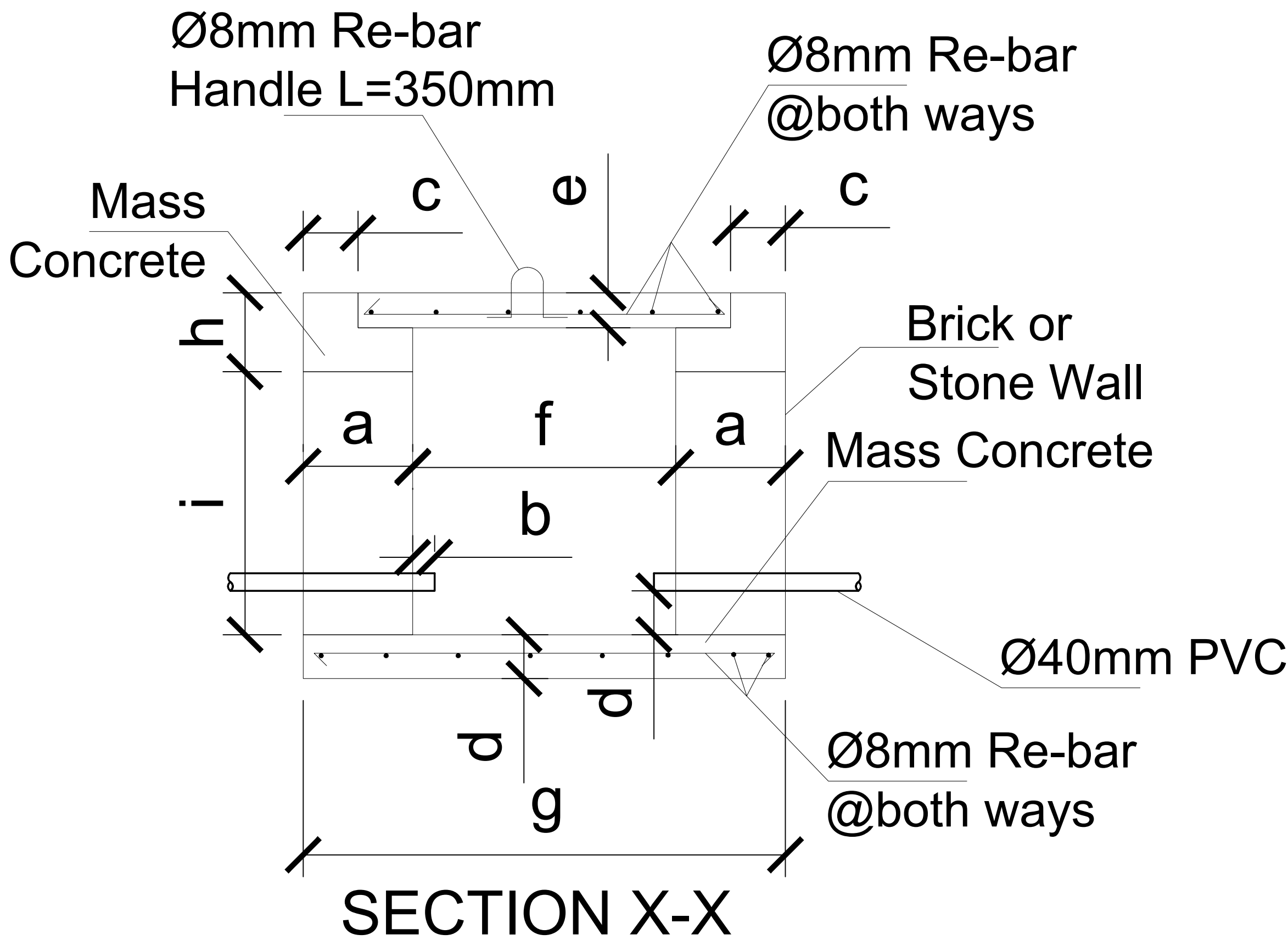


LEGEND INDOOR LIGHTING			FLUX
SYMBOL	REFERENCE	DESCRIPTION / MOUNTING METHODS	
	L1	LED 5W Down light surface type 18W, 3000 K/1450 lm - IP 44, Surface assembly	1450lm - 8000K
	L2	LED T5 Ring Complete with tube 18W, driver included 4000K - IP 65, Minimum 2500h life time, operating voltage 220VAC OR equivalent.	7500lm
	L3	30W LED Panel Light 3000 LM IP 40	36000lm
	L4	40W LED Batten LESS 8W Light - IP 20	38000lm
	L5	30W Mini LED wall pack with integrated photocell - IP 65	30000lm
	L6	R2B 561628-00X 7000m with LED 15W lamp - IP 65	7000lm
		EXIT SIGN	
ELECTRICAL ACCESSORIES			
		One way switch, surface mounting	
		Double pole switch, surface mounting	
		Two way switch, single pole, surface mounting	
		Socket Outlet 2P+E, 230V, 25A, surface assembly for Stove	
		Socket Outlet 2P+E, 230V, 16A, with shutter, surface assembly	
		Socket Outlet 2P+E, 230V, 16A, surface assembly for water heater	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for television power supply	
		Socket Outlet 2P+E, 230V, 16A, with shutter, flush mounted for for oxygen Concentrator	
		Junction box, surface mounting	
		Switchboard - Mains Power Supply	
		CEILING FAN 110W/CEILING FAN 11W	
		Optical Smoke Detector	
		Data outlet 1xRJ45 / 2xRJ45 Cat5 - Surface assembly	
		Data I/O Rack	

CABLES LEGEND	
SYMBOL	DESCRIPTION / MOUNTING METHOD
	Cable installed in conduit in the ground
	Cable installed on perforated tray run horizontally
	Cable installed in conduit on surface mounting with cable clips
	Switchboard - Mains Power Supply
	Manhole / Downward conductor with connection terminal (Cable 400x400x400mm - H x W x D)
	Manhole 400x400x400mm

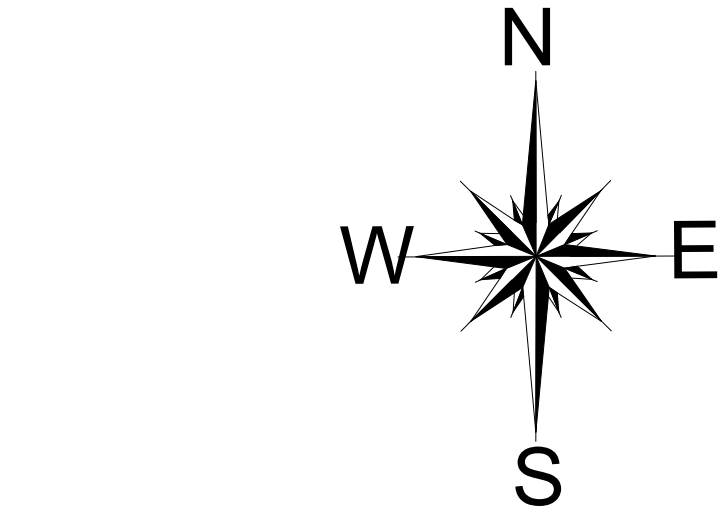
- GENERAL NOTES**
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  - The dimensions are given as an indication, the contractor must confirm them in place and perform precise measurements before the work is done.
  - All dimensions must be confirmed with the architectural project.
  - All work must be done with particular care in order not to damage the pre-existing installation, to ensure the safety of the building and the workers.


- NOTE**
- All dimensions are in meters.
  - All branch breakers are 100A rated interrupting capacity and type shall be "c curve".
  - All elevations are referred to above finished floor level (a.f.f.).
  - All junction boxes are not shown but they are installed every two bends.
  - All conduits used for lighting & socket outlets are PVC Ø 16mm, and for telephone, tv lines are PVC Ø 25mm diameter from riser point to junction box, and PVC Ø 25mm PVC Ø 16mm, 40mm Ø 16mm depending on the number of lines inside conduits from junction box to every individual data point.
  - Installation elevations above f.f. are Ø 140mm for switch, Ø 200mm for switch, Ø 160mm for socket outlets.
  - Cable type for the wiring to be used is PVC sheathed, PVC insulated, type nry 0.6/1kV or equivalent.
  - Switches will be segment mosaic, disconnector type or equivalent.
  - Illumination level for each room is maintained as per Ethiopian building standard code ebsc-10.
  - Cable color code will be red for r, ph, yellow for y, ph, blue for b, ph and black for neutral upto cable size upto 25 sq.mm. above 25 sq.mm cable color will be black with r/b identification.
- All light are surface mounted, mounting height is normal ceiling height.  
Sockets locations are indicative and can be modified based on site conditions.  
Mdb & Sub-board arrangements are shown as indicative.



TYPE	DESCRIPTION
1	EARTH STRANDED COPPER CONDUCTOR = 1X16mm <sup>2</sup> sq.
2	EARTH ELECTRODE - COPPER ROD 1600 x 16mm
3	COMPRESSION CABLE TERMINAL FOR ROPE IN Cu Ø14.7 (HOLE Ø13)
4	PIN STAINLESS STEEL M12X40
5	FLAT WASHER IN STAINLESS STEEL Ø13 mm
6	DIE IN STAINLESS STEEL M12
7	GROUND STRAP IN Cu DIM. 260 x 100 x 6mm
8	EXPANSION SMALL BLOCK M10
9	FLAT IN Cu 30 x 3mm
10	CLAMP TERMINAL (EARTH ROD TO CONDUCTOR)
11	MANHOLE SIZE OF 400 x 400 x 500MM WITH CONCRETE COVER HAVING LIFTING LUG

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Rev.:	Date:	Description:	Approved	



KEY PLAN						
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Funded By:	Partner:					
World Bank	FDRE- Ministry of Finance					
Program:	Implemented By:					
Response -Recovery-Resilience for conflict affected communities in Ethiopia	FDRE - Ministry of Finance UNOPS - ETMCO					
Project Name:	Design:					
SEMRET HEALTH POST	UNOPS-ETMCO					
<div> UNOPS</div>						
Drawing Title:						
(Staff Residence)						
Earthing detail layout						
Designed by	Discipline:	Dr. No:	Tot. No:	Rev. No:		
YG	EL	07	07	R0		
Drawn:	Checked:	Approved:	Size:	Scale:	Date:	Rev.:
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