



## High Commission of India Colombo CORRIGENDUM



### Reference Tender No. Col/DC/228/11/2017 dated 29 July 2019 for Construction of Auditorium, Dining Hall and Car Park at Pool Bank Vocational Training Center Hatton.

Bidders may note the following changes in the Tender documents:

#### Contract Data:

- 18.2 Third Party Insurance (including Employer's Property)
- This amount of insurance per occurrence is Rs.30,000,000 and number of occurrences shall be unlimited.
- The insurance specified in this Sub-Clause:
- (a) shall be in the joint names of the Employer and Contractor.
  - (b) shall be extended to cover liability for all loss and damage to the Employer's property (except things insured under Sub-Clause 18.1 arising out of the Contractor's performance of the Contract);
- The minimum cover for insurance of other property (other than the site is Rs5,000,000
- The maximum deductible for the insurance of other property is 10% of the loss due to the damage.
  - The minimum cover for insurance of personal injury or death, For third party and employees of the Employer and other persons engaged by the Employer and the Engineer and his Employees in the Works is Rs. 5,000,000.00 per person per event. Number of occurrences of such events is unlimited.

#### Changes and additional information in Bills of Quantity:

BOQ Item No.	Description	Additional Information
C 180	RCC Drain	Detail drawing attached [Annex 3]
C181	Kitchen worktop	Detail drawing attached [Annex 3]
C72 - C162	Reinforcement	GTB, MELWA, LANWA
F1 - F31	Metal work	Door closer- Delete Albion & add Kinglong(All aluminium sections shall be powder coated not Bronze anodize as given in some drawings.) [Revised drwg. Attached – Annex 3]
F32 - F35	Hand rail for Main staircase	1" dia s/s tube vertical member added [Revised drwg. Attached – Annex 3]
F39	Steel ladder	Detail drawing attached [Annex 3]
G1- G7	Door locks	Add type " Union" also
H6	Zn/Al fascia	Detail drawing attached
K2	Water pumps	Prime cost shall be - Rs.40,000.00
K39	Disable low level suit	Prime cost of suit shall be Rs. 45,000.00
K40	Urinal	Prime cost for urinal shall be Rs. 11,500.00, Flush valve Rs. 6500.00 Brand Jonson Swiss or approved equ.
K41	Wash basin	Type pedestal. Prime cost for pedestal Rs. 14,000.00
K42	Vanity wash basin	Delete Rocell, Add Orient or approved equivalent Prime cost RS.10,000.00
K44	Kitchen sink	Sink shall be single bowl, single drain. Prime cost sink Rs. 5,000.00, Bottle trap Rs. 4500.00, Swan neck tap Rs. 4500.00
K52	Toilet mirrors	Size shall be 600 x 600mm
K53 - K55,K66	Concrete manholes	Concrete shall be grade 25

K63	Rain water down pipe	shall be UPVC Type 600
P30	9W LED wall bracket (external)	Prime Cost per fitting shall be - Rs.5500
P31	4W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.2000
P66,P59,P49,P38,P32	15W LED wall bracket (Internal)	Prime Cost per fitting shall be - Rs.7500
P33,P50	9W LED wall bracket	Prime Cost per fitting shall be - Rs.4800
P34,P65,P57,P47,P40	5W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.2500
P35,P60,P48	9W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.3700
P36,P61,P52,P43,P39	7W LED mirror lamp	Prime Cost per fitting shall be - Rs.6000
P37,P63,P53,P44	Ceiling Fan	Prime Cost per fitting shall be - Rs.7500
P41	6W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.3000
P45	36W LED Panel lamp	Prime Cost per fitting shall be - Rs.9500
P46	9W LED Pendant lamp	Prime Cost per fitting shall be - Rs.5600
P51	7W LED wall bracket(Internal)	Prime Cost per fitting shall be - Rs.4500
P54,P64	12W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.5000
P55	25W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.7500
P56	30W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.9000
P58	10W LED surface mounted lamp	Prime Cost per fitting shall be - Rs.4500
	ATS panel shown for location only	
U6	Provisional Sum allowed for providing the geizer and AC point wiring & socket outlets.	Rs. 100,000.00

**Note:**

1. All bidders are advised to visit the site at Hatton, to get familiarized with the hillock type topography. For site visits, contract Mr. Vijeya Suresh (0775005596), Principal, Pool Bank Vocational Training Centre.
2. Price escalation for materials and labour are not allowed in this tender.
3. Bidders shall send any further queries before 2nd August 3.00 pm. for which the consultant will send the answers to all the bidders before 7th August.
4. All the furniture items under item "U" have been included in the BOQ summary as a Provisional Sum. May please refer Annex 1
5. Bidders must also refer to the set of updated electrical drawings which forms part of the bidding document. May please refer Annex 2
6. As per bidders request, a soft copy of the BoQ can be found at Annex 4. If bidders are found making changes in its originality. The TEC will disqualify the bid without any clarification.

**Other terms and conditions remain same as that of the original tender document**

# **Annex 1**

[illegible]

	A - PRELIMINARIES		Rs.	
	B - EXCAVATOR		Rs.	
	C - CONCRETOR		Rs.	
	D - MASONRY WORK		Rs.	
	E - BRICK WORK		Rs.	
	F - METAL WORKS		Rs.	
	G - CARPENTRY AND JOINARY		Rs.	
	H - ROOF AND ROOF PLUMBING		Rs.	
	J - STRUCTURAL STEEL		Rs.	
	K - PLUMBING WORK		Rs.	
	L - FLOOR WALL AND CEILING FINISHES		Rs.	
	M - PAINTING		Rs.	
	N- WATER PROOFING		Rs.	
	P - ELECTRICAL INSTALLATION		Rs.	
	R - EXTERNAL WORK		Rs.	
	S - LIGHTNING PROTECTION SYSTEM		Rs.	
	T - FIRE PROTECTION SYSTEM		Rs.	
	U - PROVISIONAL SUM		Rs.	14,373,695.00
	V - DAY WORKS		Rs.	
	<b>SUB TOTAL - 01</b>			
	Ddt - Preliminaries and Provisional Sum			
	<b>SUB TOTAL - 02</b>			
	Ddt - Discount (if any)			
	<b>SUB TOTAL - 03</b>			
	Add - Preliminaries and Provisional Sum			
	<b>SUB TOTAL - 04</b>			
	ALLOW 5% FOR CONTINGENSIS		Rs.	
	<b>GRAND TOTAL Carried to form of bid page 119 of Bidding Document (Exclding VAT)</b>		Rs.	
	15% VAT		Rs.	
<b>GRAND TOTAL WITH VAT</b>			Rs.	

	Bidder's VAT registration No.....
	Bid Amount (excluding VAT) in words: Sri Lanka Rupees.....

.....

Name of Bidder.....

Address.....

.....

Signature and seal:

Witnesses:-

1. Signature: .....

Name:.....

Address.....

.....





























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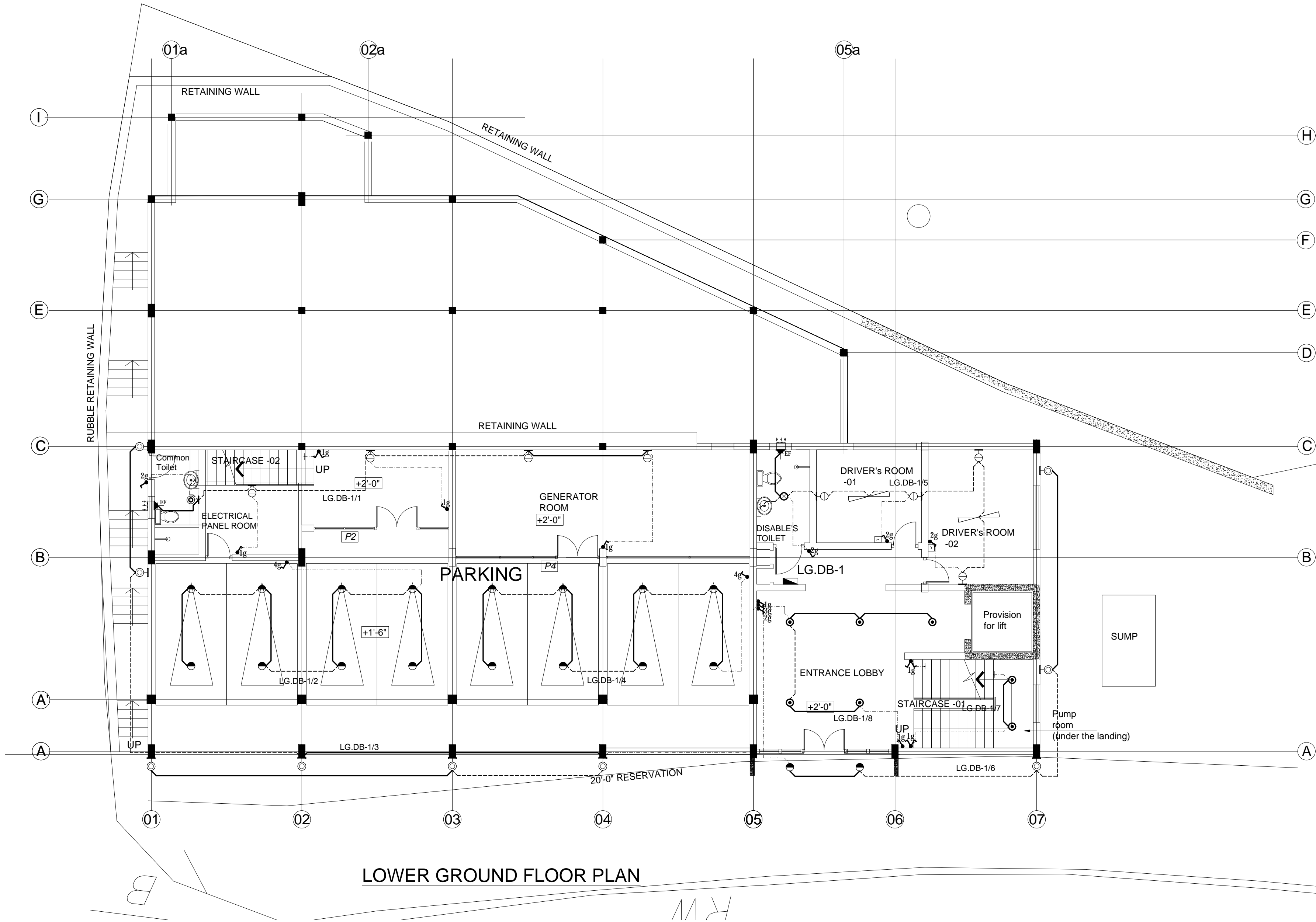
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Address .....

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


























# **Annex 2**

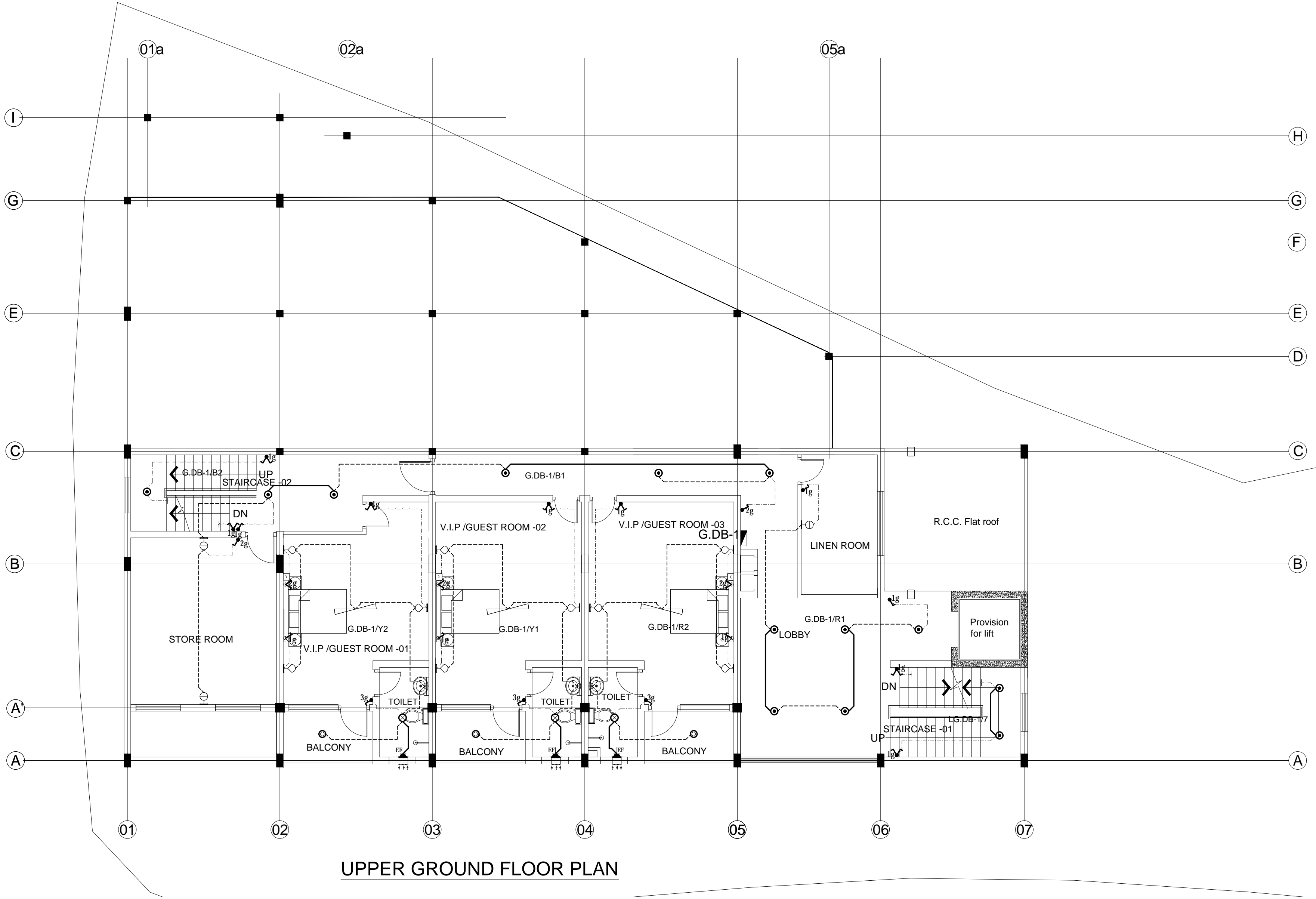
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TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
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	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L



PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>LIGHTING LAYOUT LOWER GROUND FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS - optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EL-01(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
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			REVISION : R2					































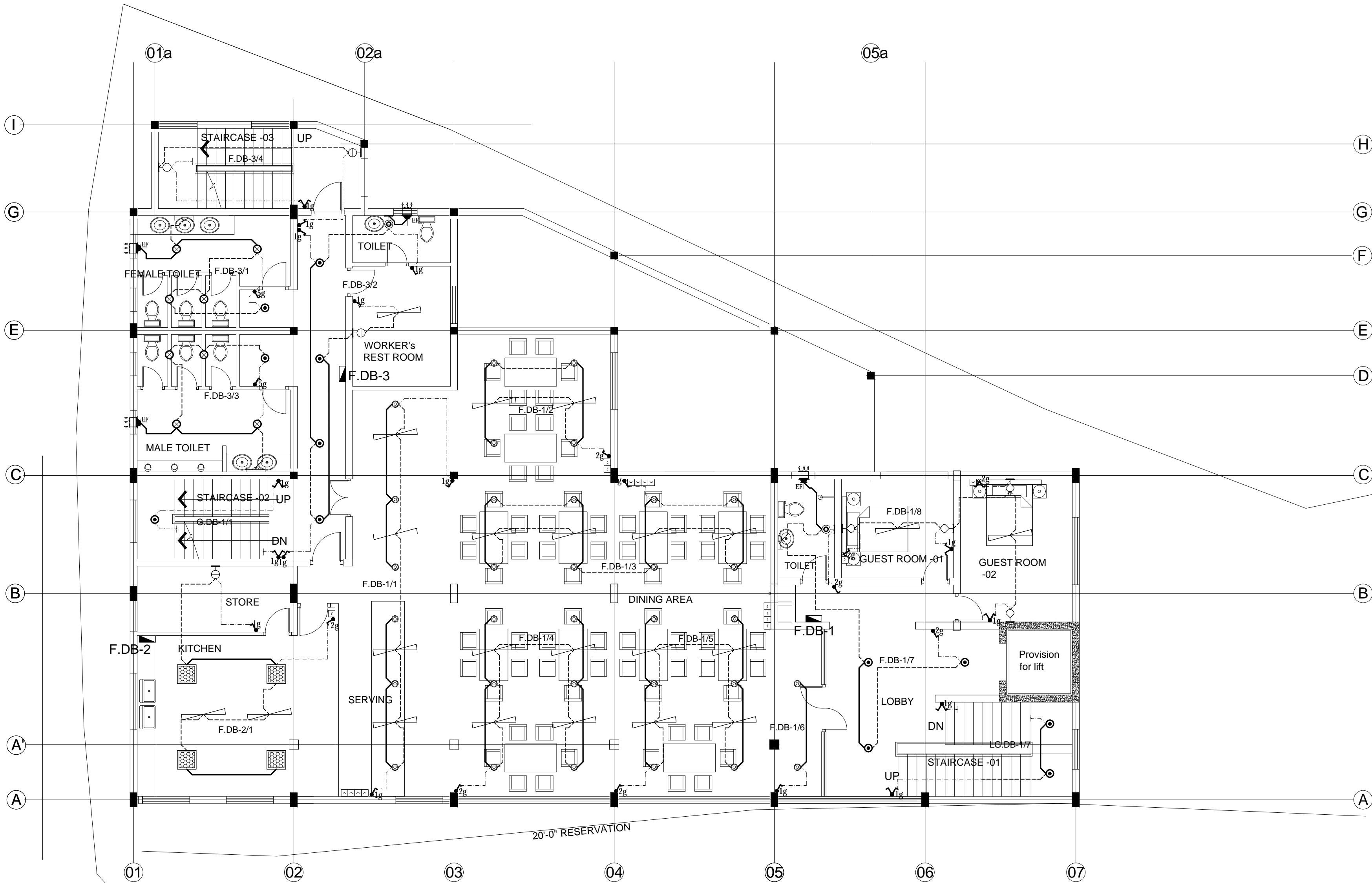
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TYPE	DESCRIPTION
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	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L



UPPER GROUND FLOOR PLAN





























PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WJJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>LIGHTING LAYOUT UPPER GROUND FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS - optimum.bse@gmail.com	ARCHITECT
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			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					ENGINEER

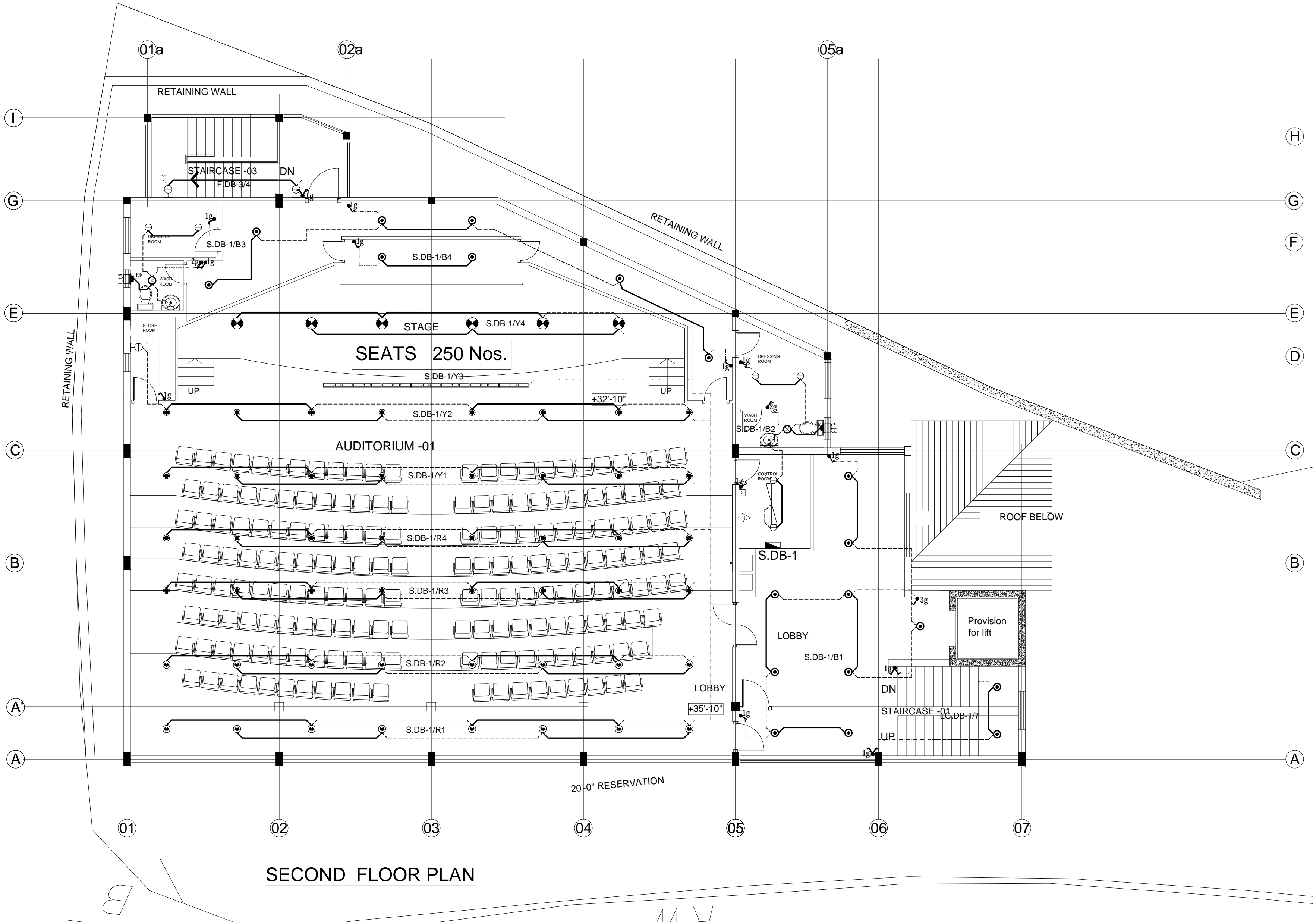
LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
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



























FIRST FLOOR PLAN

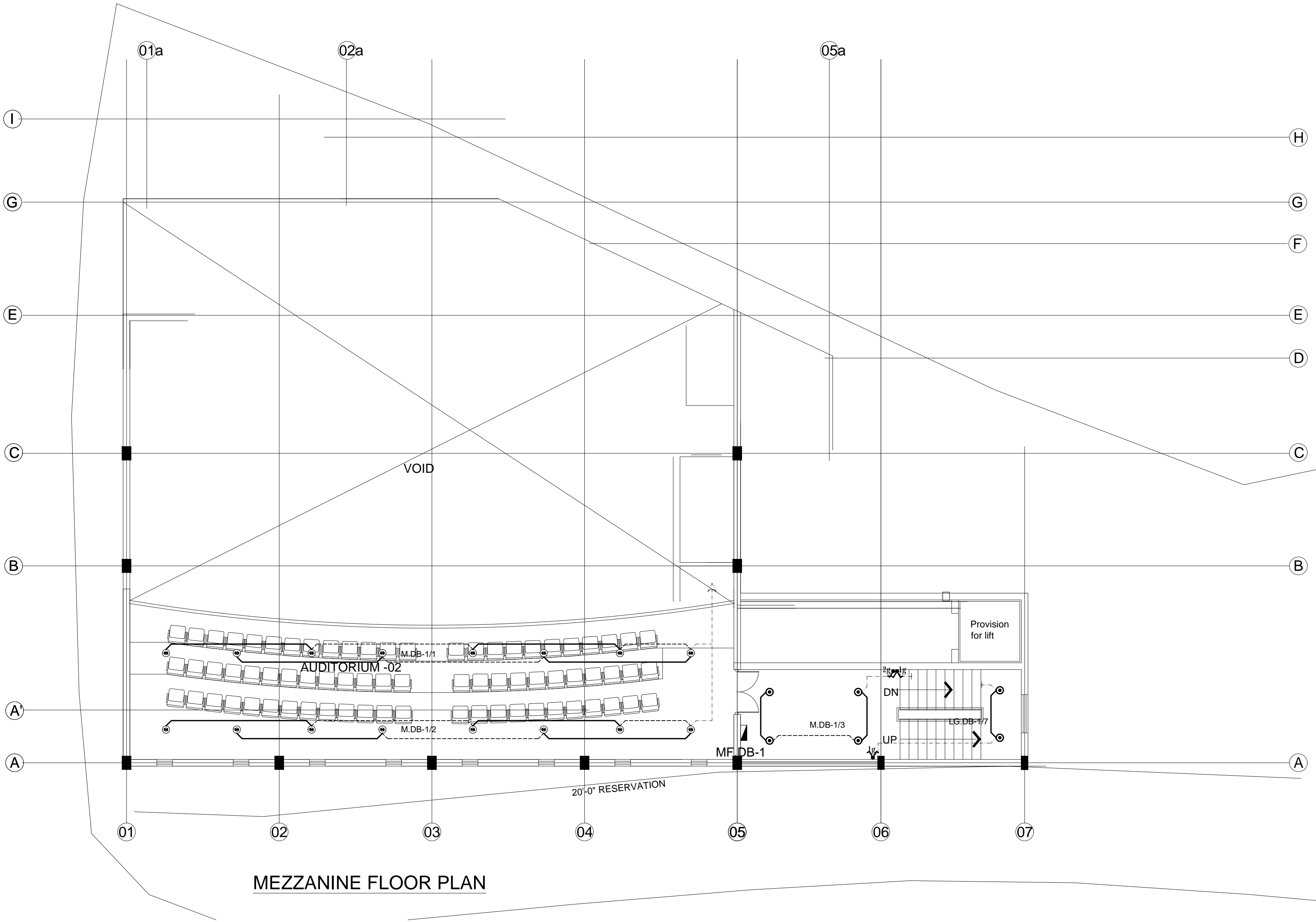
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			DWG. NO. : EL-03(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
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	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
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	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L































<div>PROJECT</div> <div>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</div>	<div>CONSULTANTS</div> <div>DH WIJEWARDENE ASSOCIATES Chartered Architects, Engineers &amp; Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com</div>	<div>DWG. TITLE</div> <div>LIGHTING LAYOUT SECOND FLOOR</div>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	<div>M&amp;E DESIGNER :</div> <div><div>O</div>ptimum Building service solutions <small>NO:193/2 ,THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com</small></div>	<div>ARCHITECT</div>
			DWG. NO. : EL-04(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					<div>ENGINEER</div>

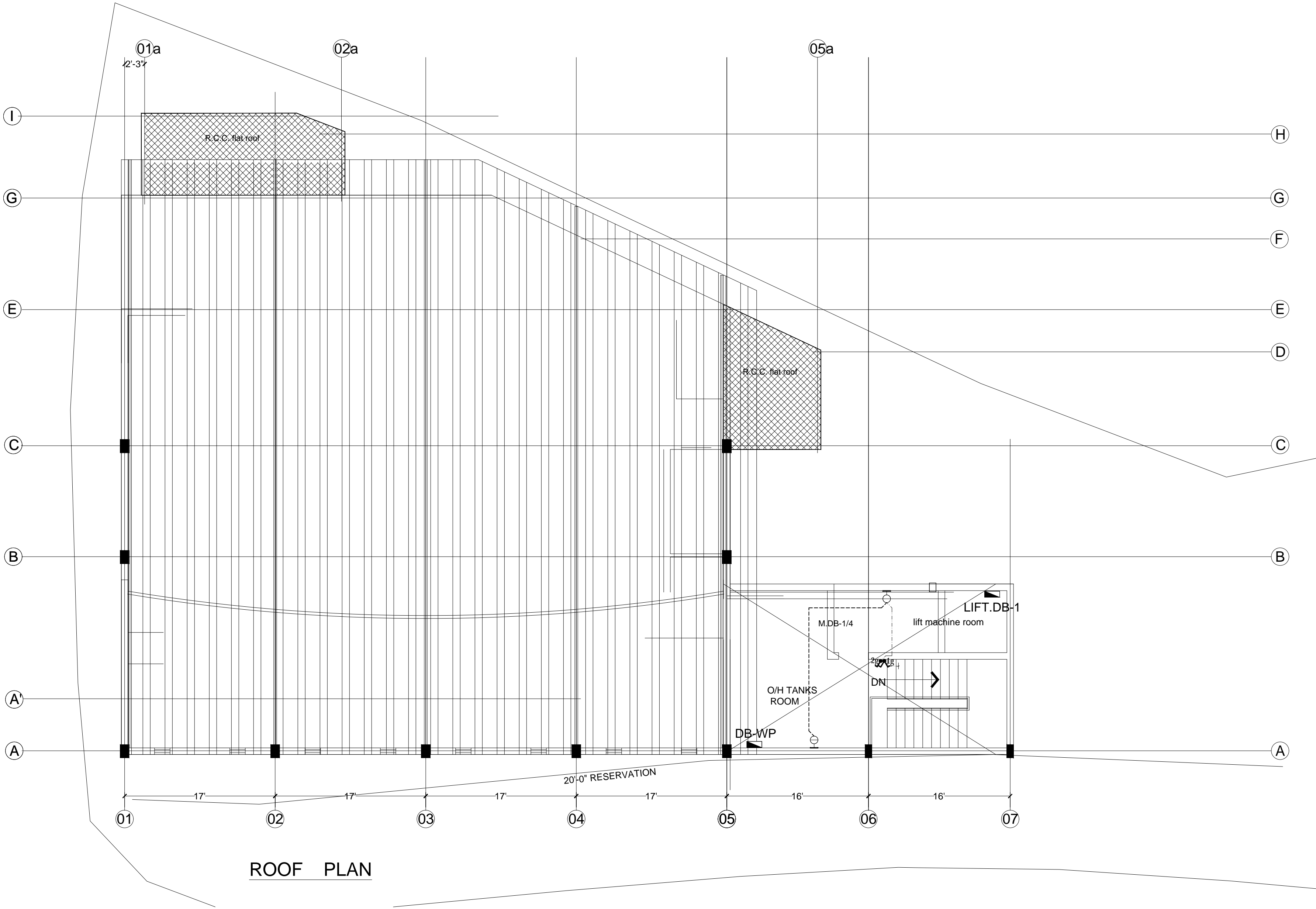
LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L































MEZZANINE FLOOR PLAN

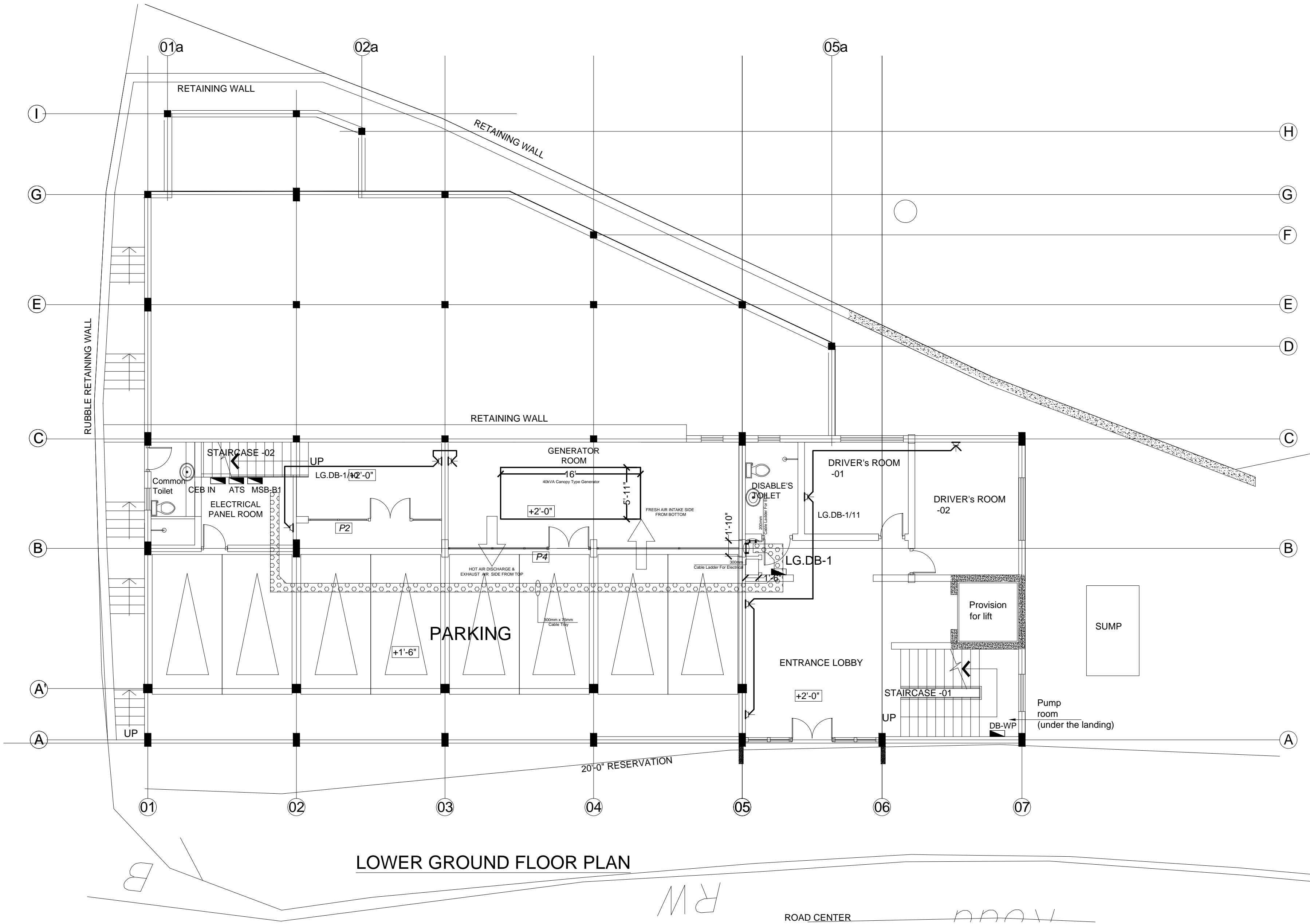
PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>LIGHTING LAYOUT MEZZANINE FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EL-05(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L





























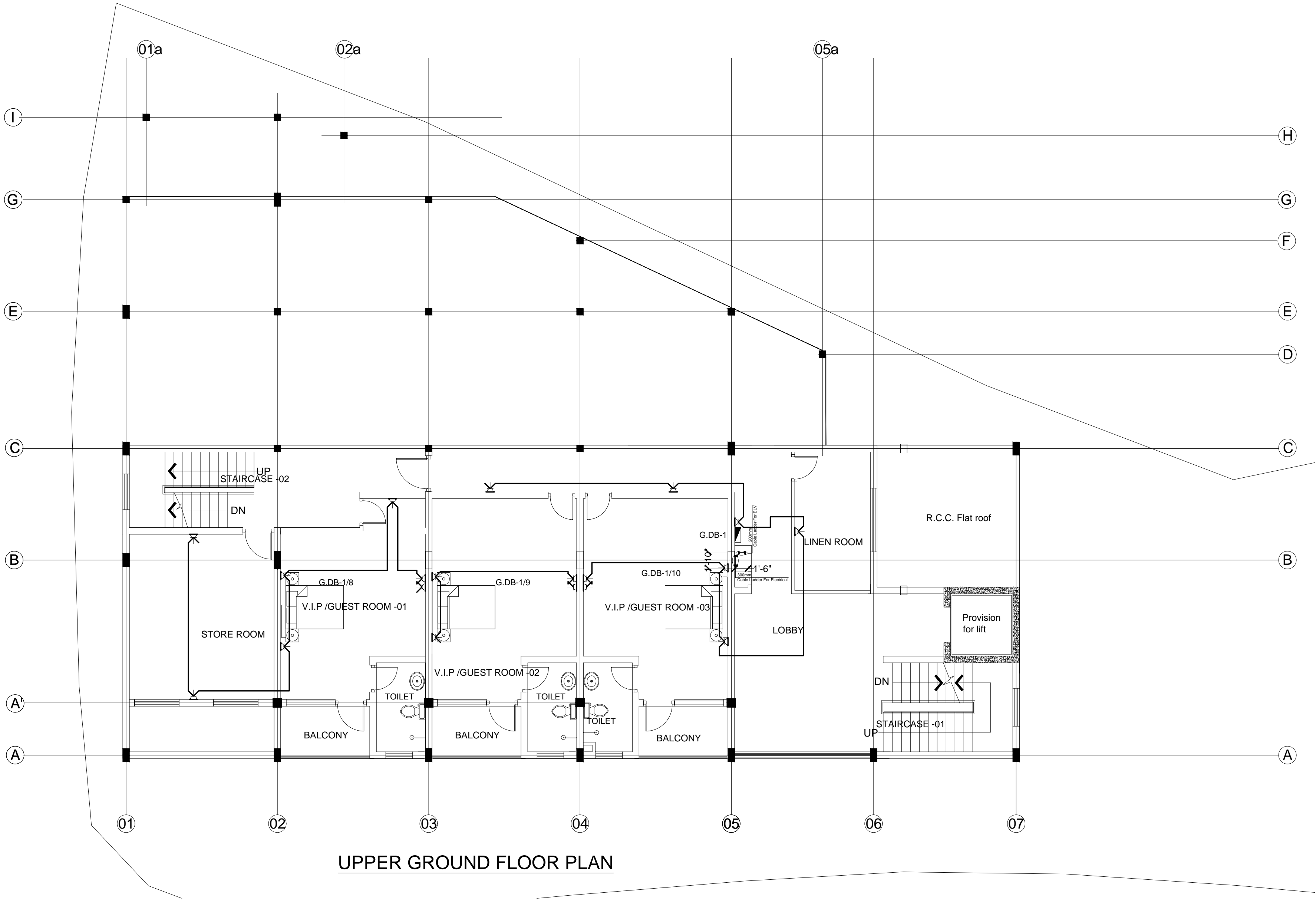
PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>LIGHTING LAYOUT ROOF FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EL-06(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					ENGINEER

LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L































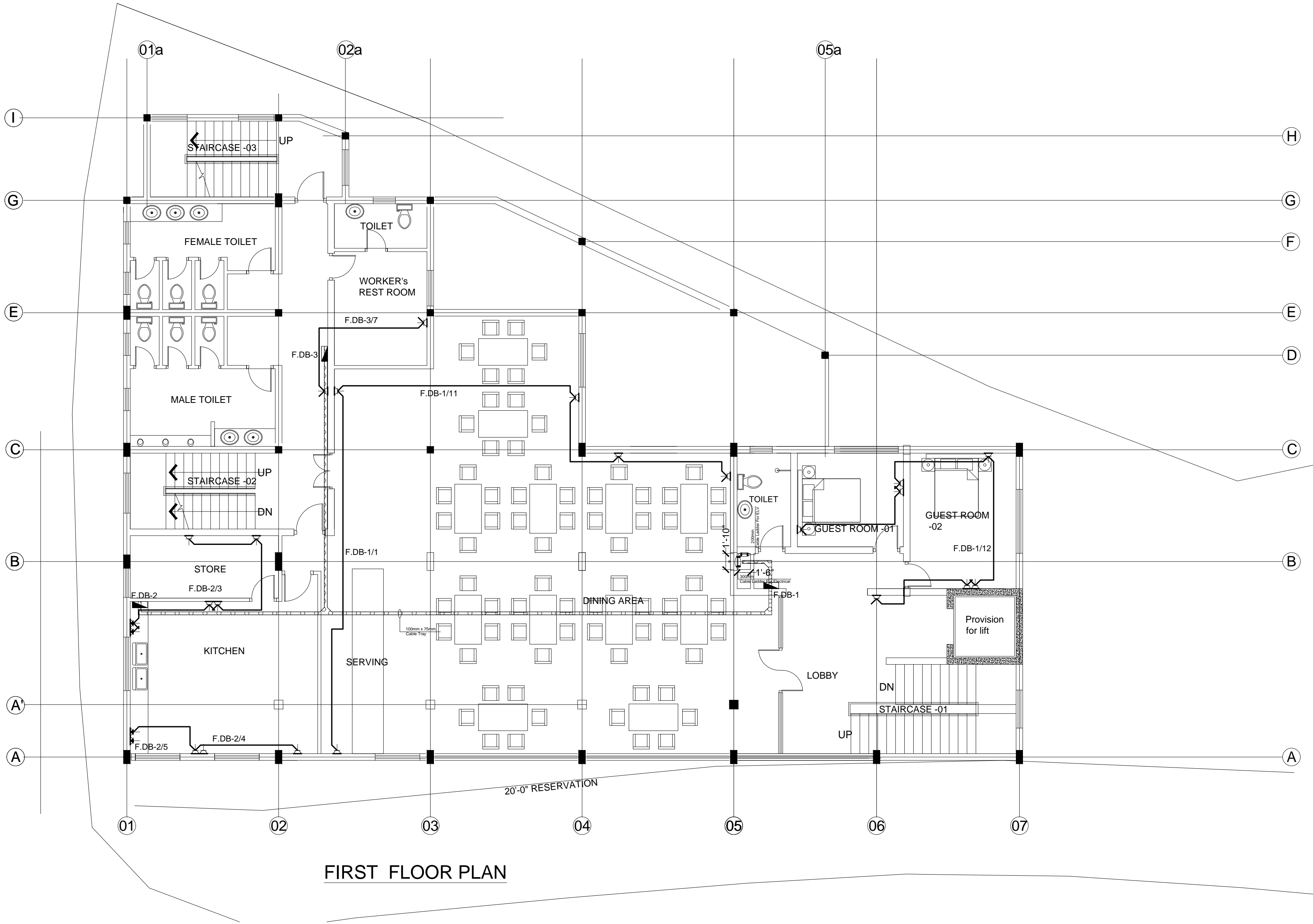
PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER LAYOUT LOWER GROUND FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-01(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L



PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER LAYOUT UPPER GROUND FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS - optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-02(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
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			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					ENGINEER





























LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
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	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L

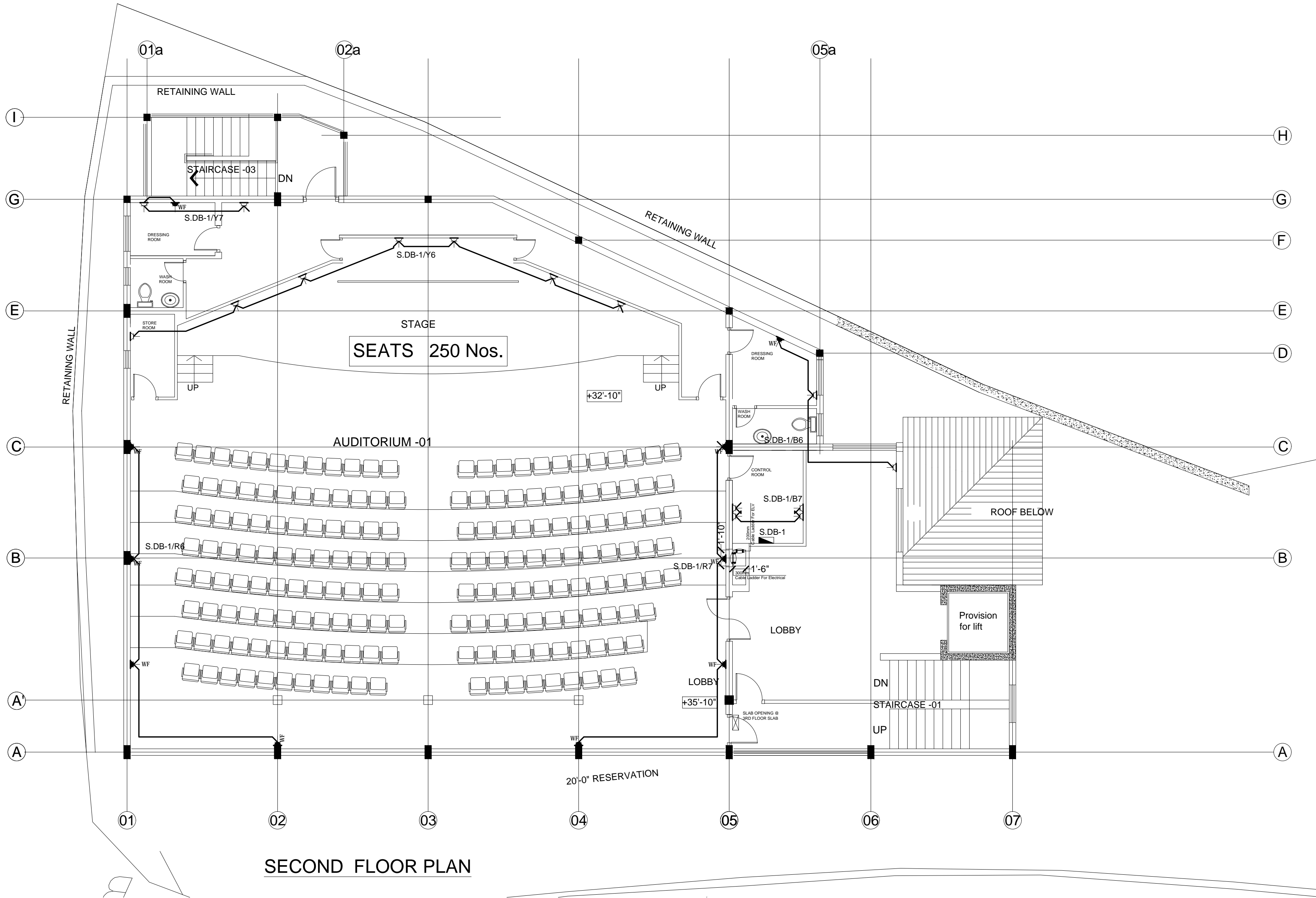


FIRST FLOOR PLAN




























PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER LAYOUT FIRST FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-03(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

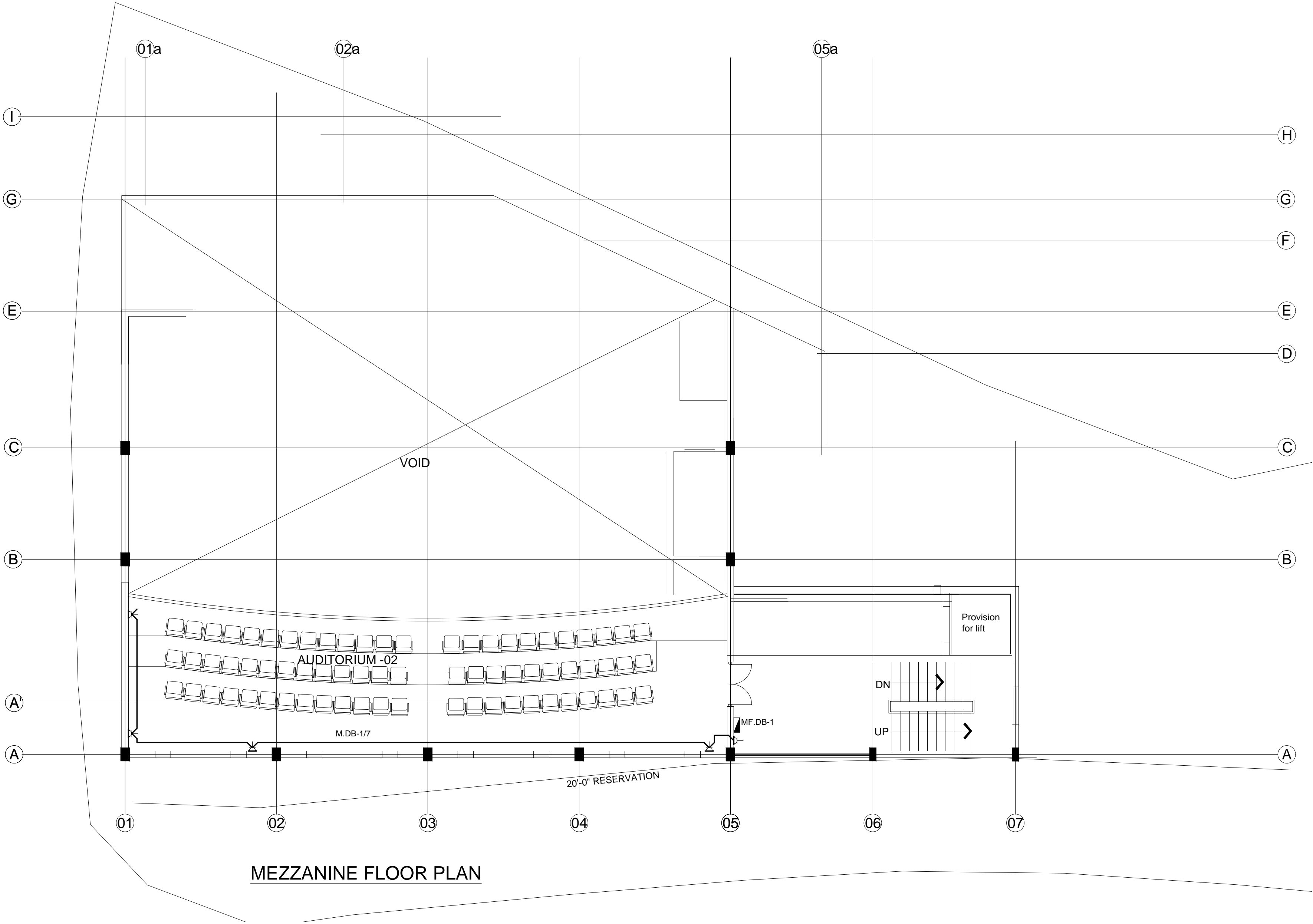


LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L































PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER LAYOUT SECOND FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS - optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-04(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

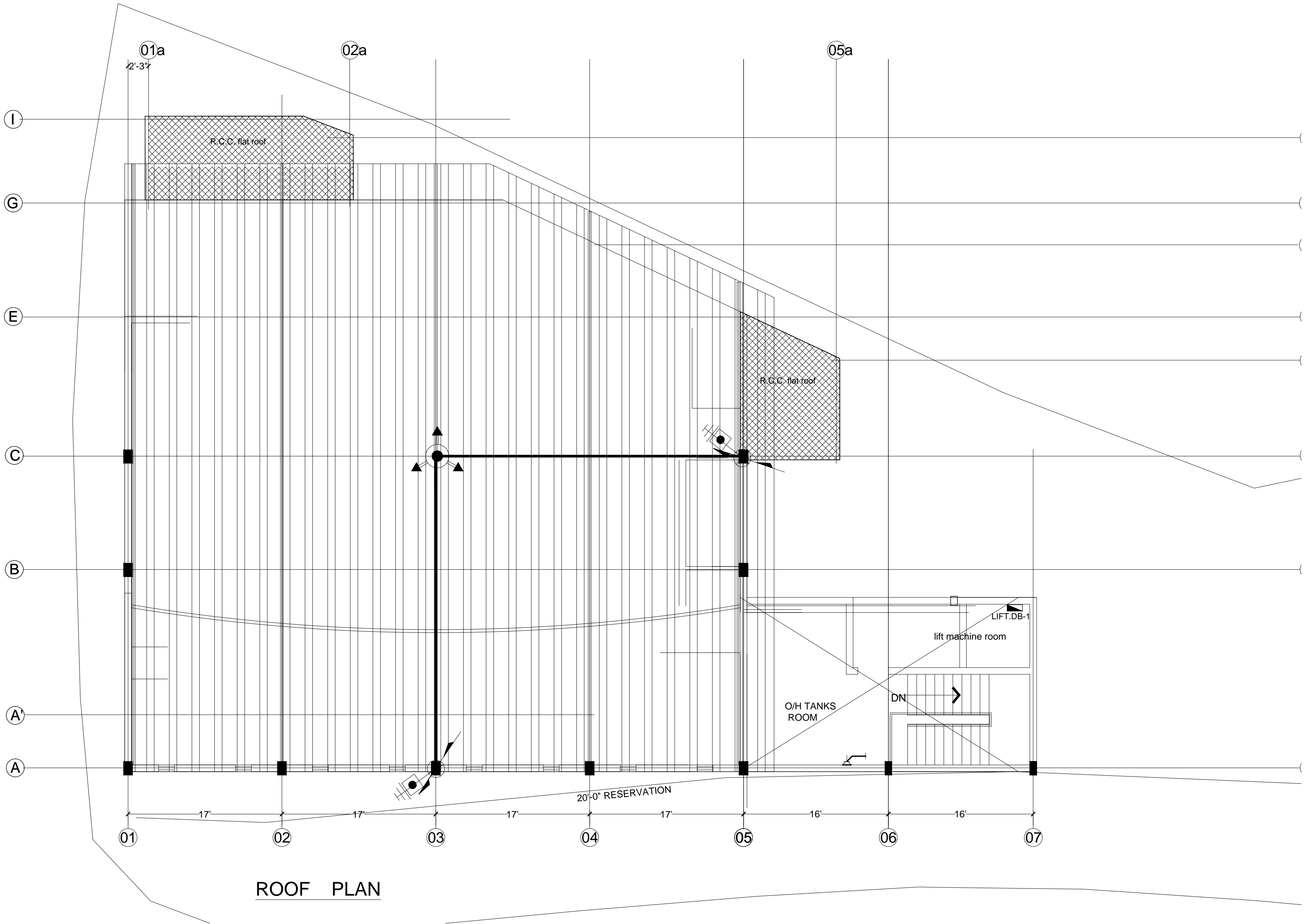
LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L



MEZZANINE FLOOR PLAN

PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER LAYOUT MEZZANINE FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-05(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					ENGINEER

LEGEND	
TYPE	DESCRIPTION
	PANEL LAMP - 36W LED
	7W LED MIRROR LAMP
	SURFACE MOUNTED LED DOWN LIGHT - 5W LED
	SURFACE MOUNTED LED DOWN LIGHT - 6W LED
	SURFACE MOUNTED LED DOWN LIGHT - 9W LED
	SURFACE MOUNTED LED DOWN LIGHT - 4W LED
	SURFACE MOUNTED LED DOWN LIGHT - 30W LED
	LED PENDANT LAMP - 9W LED
	SURFACE MOUNTED DOWN LIGHT - 12W LED
	SURFACE MOUNTED DOWN LAMP - 10W LED
	SURFACE MOUNTED SPOT LIGHT - 25W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 7W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 15W LED
	EXTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	INTERNAL WALL BRACKET LED LAMP FITTING - 9W LED
	TRACK MOUNTED LED LAMP FITTING - 2x10W LED
	1400mm SWEEP CEILING FAN
	FLUSH TYPE ONE WAY SWITCH 1450mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 1450mm F.F.L
	FLUSH TYPE ONE WAY SWITCH 750mm F.F.L
	FLUSH TYPE TWO WAY SWITCH 750mm F.F.L
	FAN REGULATOR 1450mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 300mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 1050mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET 2100mm F.F.L
	13A SINGLE SWITCH SOCKET OUTLET FOR EXHAUST FAN
	13A SINGLE SWITCH SOCKET OUTLET GEYSER
	DISTRIBUTION BOARD 2000mm F.F.L

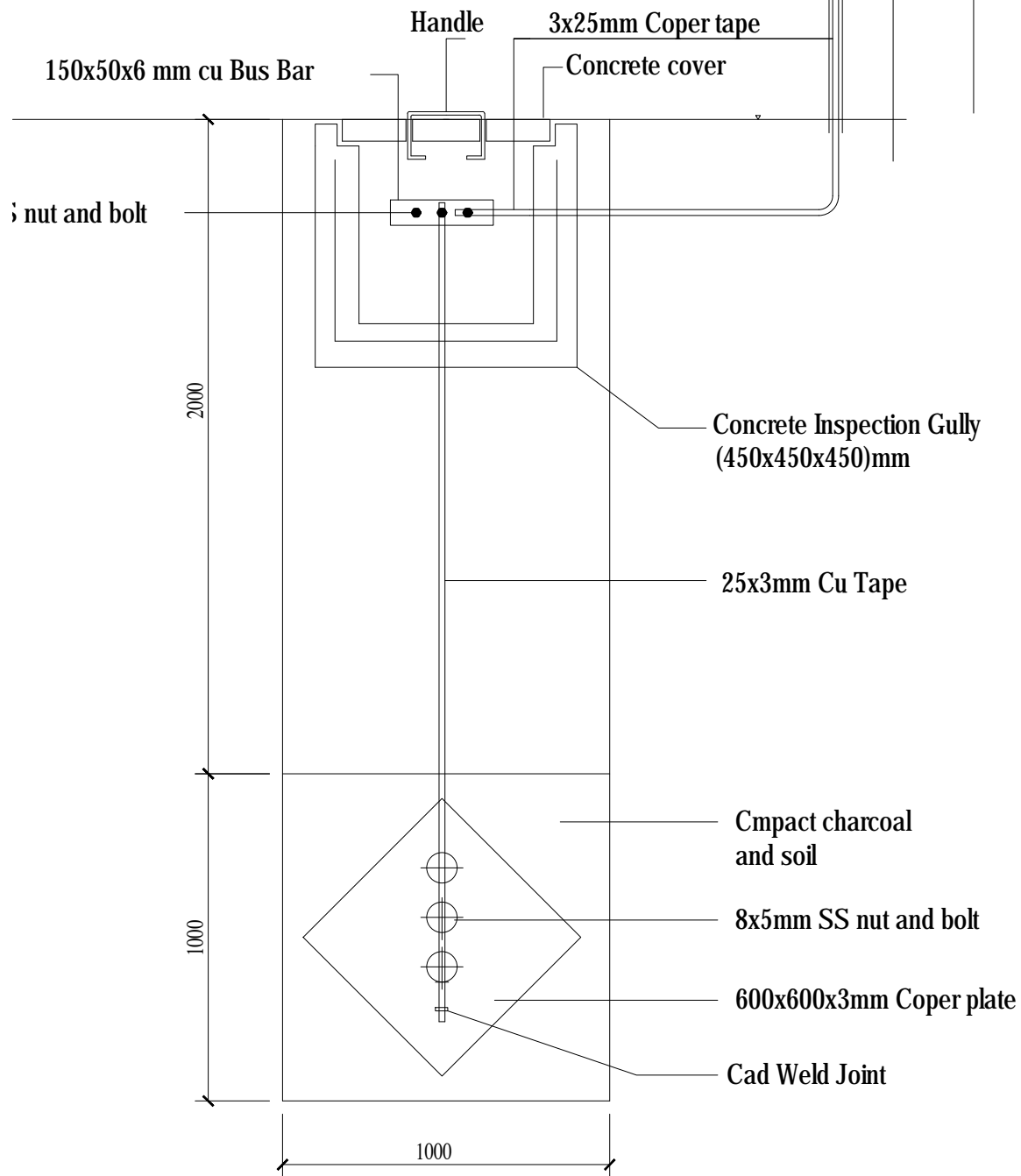


ROOF PLAN

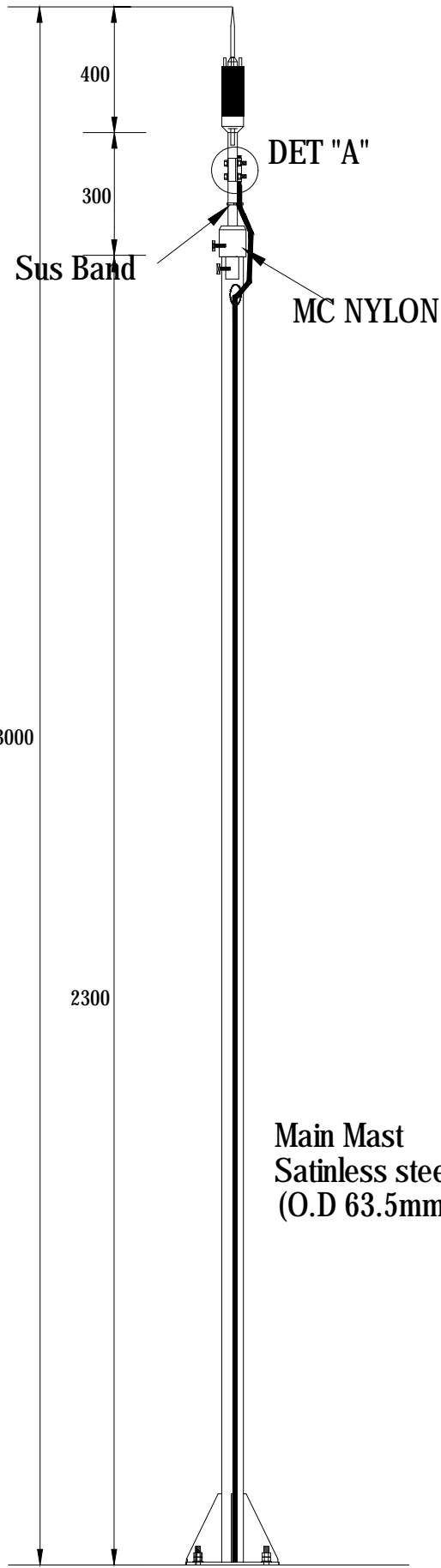
PROJECT <b>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</b>	CONSULTANTS <b>DH WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. TITLE <b>POWER &amp; LIGHTNING PROTECTION LAYOUT ROOF FLOOR</b>	JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK	M&E DESIGNER : <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	ARCHITECT
			DWG. NO. : EP-06(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		ENGINEER
			DATE : 26-07-2019					
			DRAWN : PILR					
			REVISION : R2					

NO	DESIGNATION	SPECIFICATION	REMARK
①	COVER	STAINLESS STEEL 1.6t	
②	DOOR HANDLE	PUSH KEY	
③	CONDUIT	HI-PVC	
④	BARE COPPER TAPE	3x25mm	
⑤	BAKELITE PLATE	1.5t	
⑥	TERMINAL		
⑦	COPPER PLATE	2.5x4t	

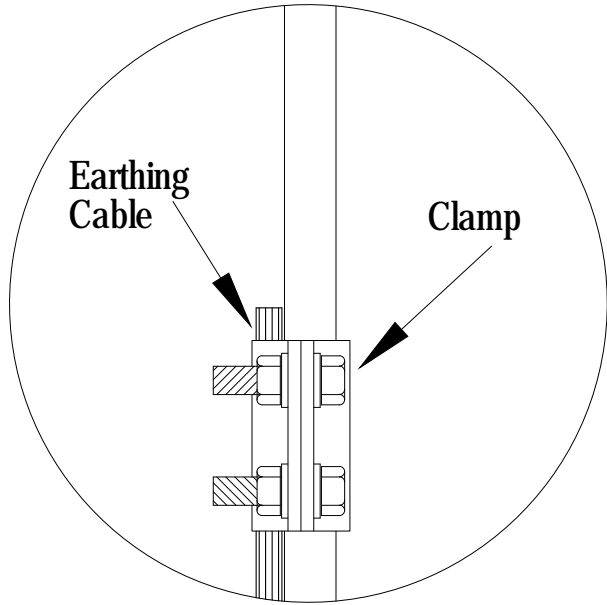
INSTALLATION OF GROUND TEST TERMINAL BOX



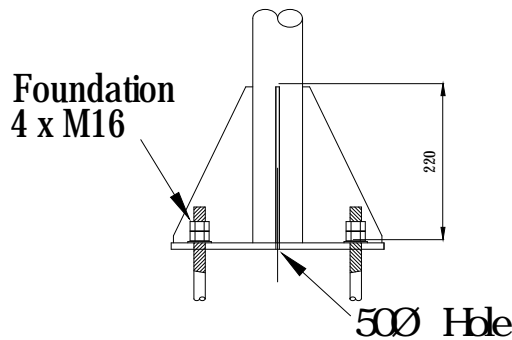
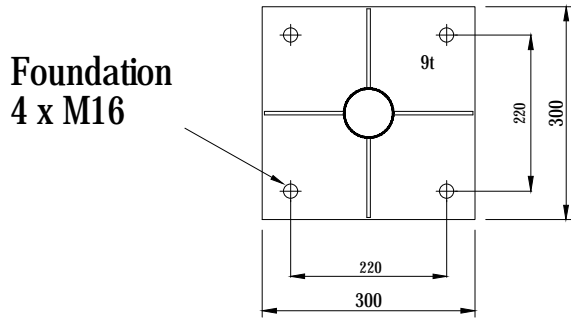
EARTH PIT  
(From Lightning Conductor)  
INSTALLATION OF MAIN GROUNDING PLATE



ESE AIR TERMINAL(5~7M)



DET "A"



SYMBOL	DESCRIPTION
	COPPER TAPE RUN SURFACE
	COPPER TAPE DOWN
	EARTHING
	EARTH PIT
	DOWN POINT VERTICALLY RUN THROUGH DIFFERENT LEVELS
	ESE AIR TERMINAL

PROJECT

PROPOSED BUILDING (B1)  
POOLBANK VOCATIONAL  
TRAINING CENTER,  
AT HATTON.

CONSULTANTS

**DH**  
WIJEWARDENE ASSOCIATES  
Chartered Architects, Engineers & Project Managers  
176, DUTUGAMUNU STREET,  
KOHUWALA.

T.P. 2821299  
Fax. 4309206,email dh@dhwaso.com

DWG. TITLE

LIGHTNING PROTECTION  
DETAIL

JOB NO. : DH/C/OPTIMUM	REV.	DATE	REMARK
DWG. NO. : LP-01(B1)	R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS
SCALE : 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS
DATE : 26-07-2019			
DRAWN : PILR			
REVISION : R2			


M&E DESIGNER :

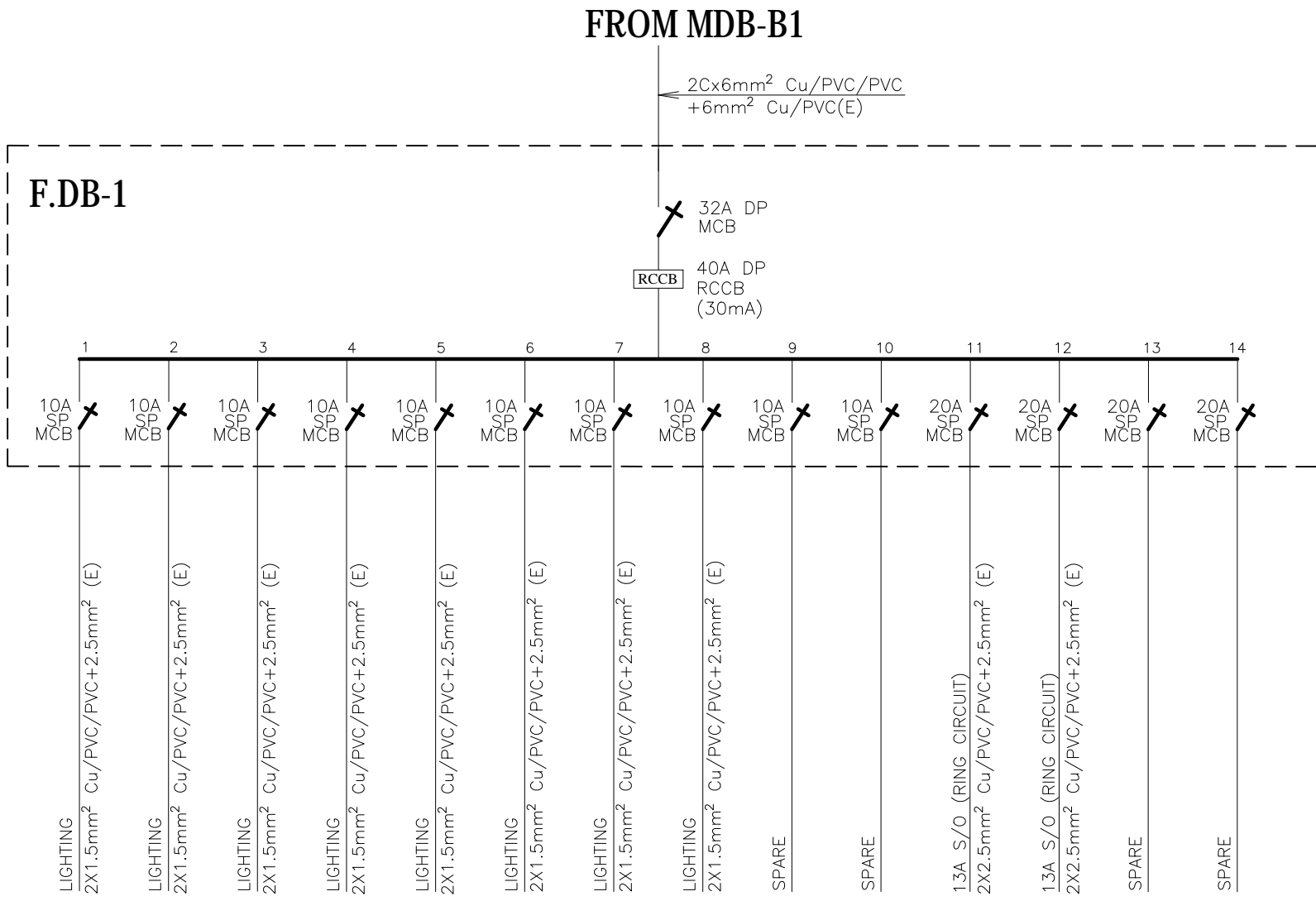
**Optimum**  
Building service solutions  
NO:195/2, THALANGAMA NORTH,BATTARAMULLA  
E-MAILS : optimum.bse@gmail.com

ARCHITECT

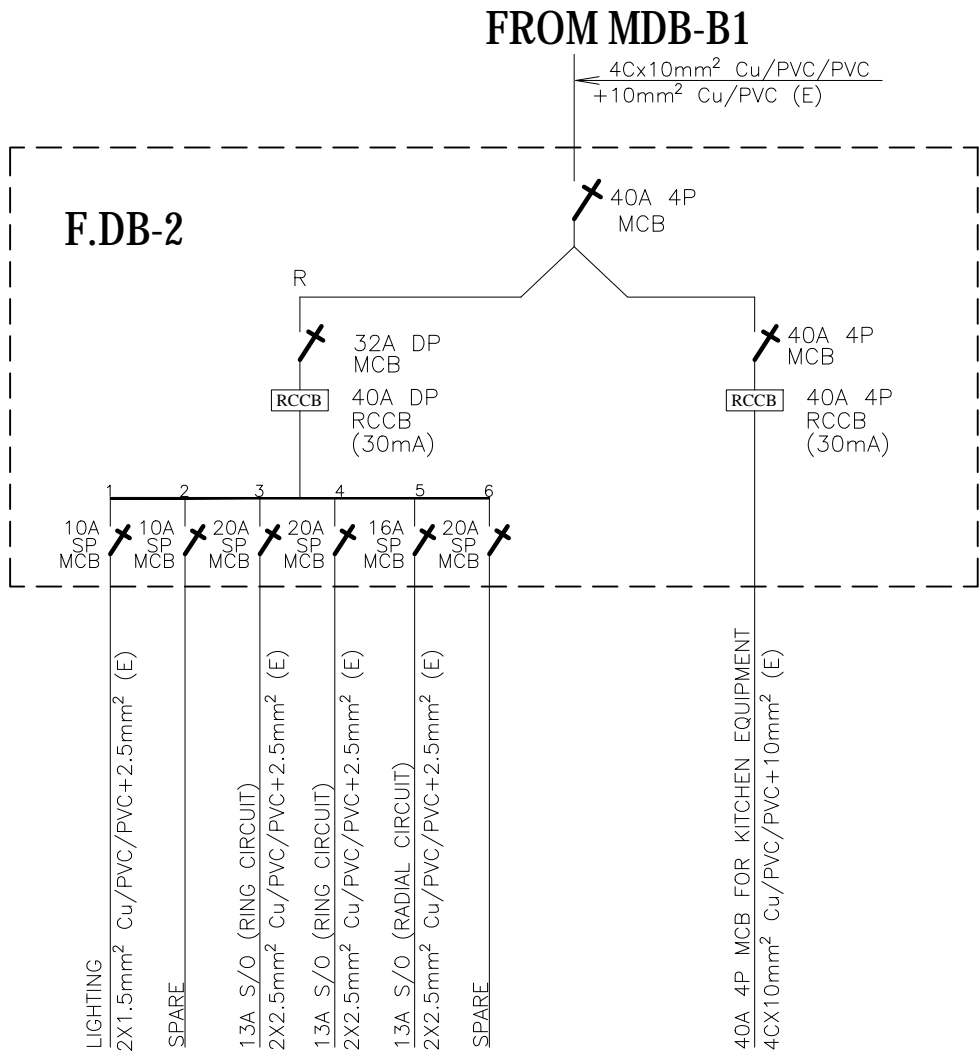
ENGINEER



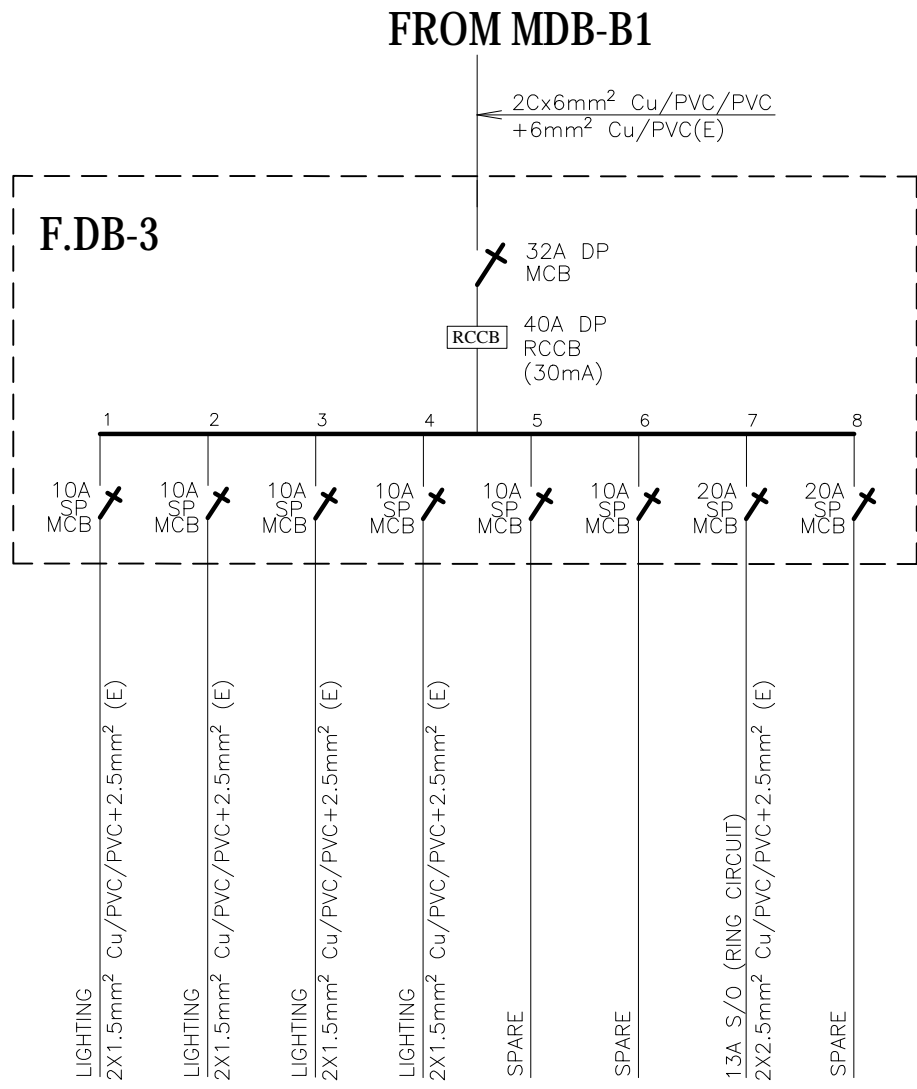
<div>PROJECT</div> <div>PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.</div>	<div>CONSULTANTS</div> <div> <b>DH</b>  <b>WIJEWARDENE ASSOCIATES</b>  Chartered Architects, Engineers &amp; Project Managers  176, DUTUGAMUNU STREET,  KOHUWALA.    T.P. 2821299  Fax. 4309206,email dh@dhwaso.com </div>	<div>DWG. TITLE</div> <div>DISTRIBUTION BOARDS</div>	<div>JOB NO. : DH/C/OPTIMUM</div> <div>REV. DATE</div> <div>REMARK</div>	<div>M&amp;E DESIGNER :</div> <div>    NO:1932 , THALANGAMA NORTH,BATTARAMULLA  E-MAILS - optimum.bse@gmail.com </div>	<div>ARCHITECT</div>  <div>ENGINEER</div>
			<div>DWG. NO. : DB-01(B1)</div> <div>R1 19.02.17</div> <div>REVISED AS PER THE ARCHI. COMMENTS</div>		
			<div>SCALE : 0'-1/8 " : 1'-0" (A2)</div> <div>R2 19.07.26</div> <div>REVISED AS PER THE ARCHI. COMMENTS</div>		
			<div>DATE : 26-07-2019</div> <div>DRAWN : PILR</div>		
			<div>REVISION : R2</div>		



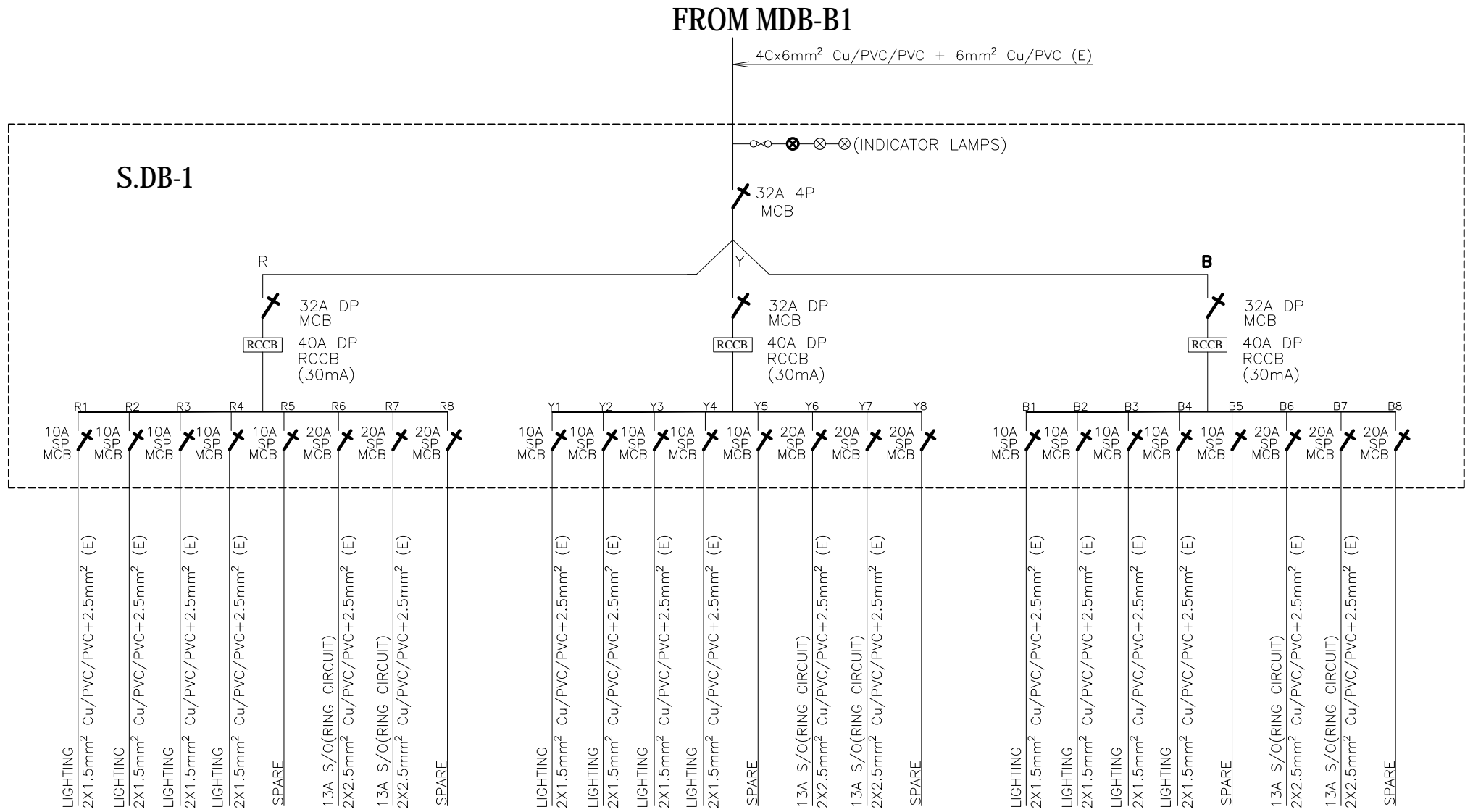
FIRST FLOOR RESTAURANT DB



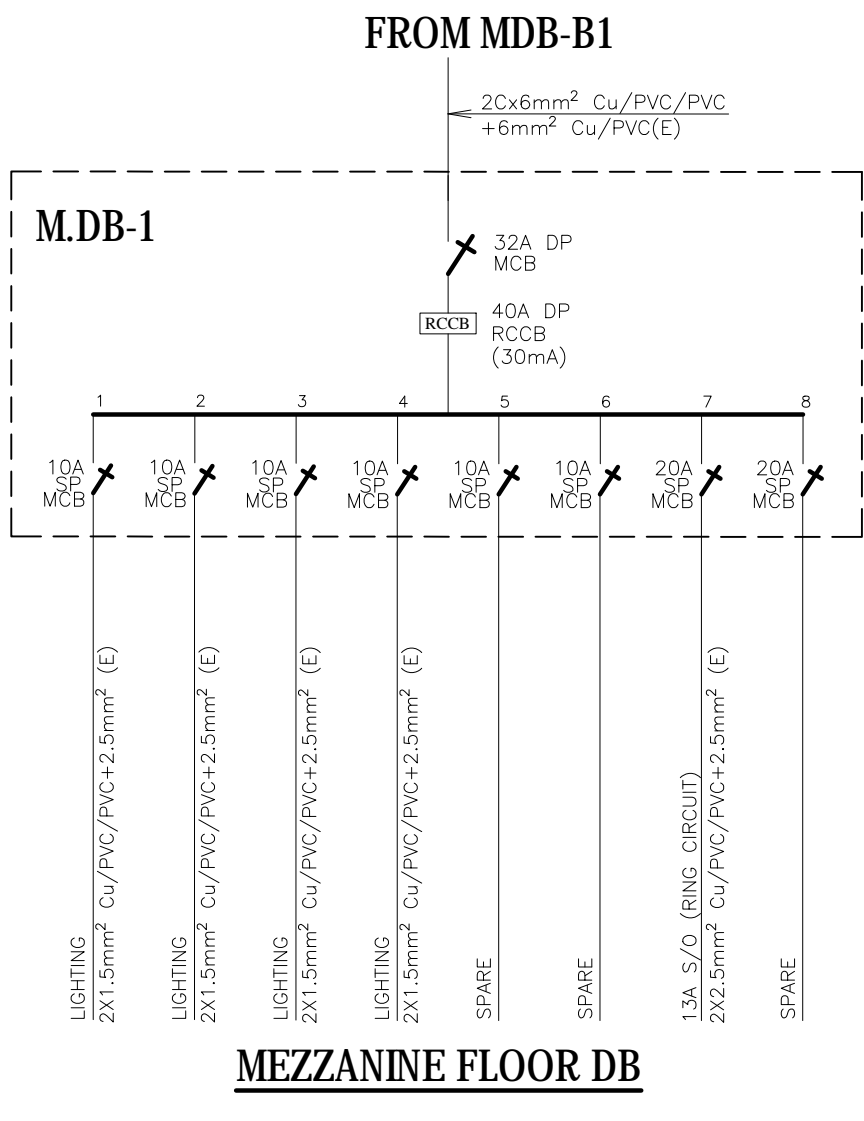
FIRST FLOOR KITCHEN DB



FIRST FLOOR SERVICE AREA DB



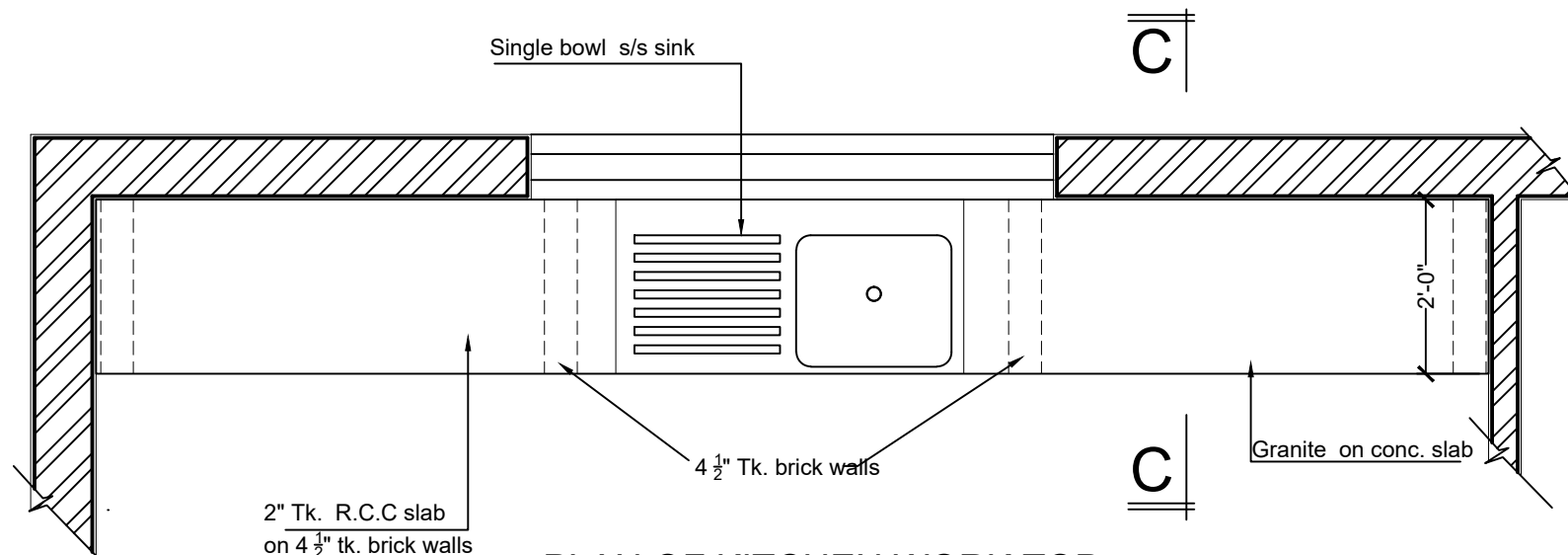
SECOND FLOOR DB



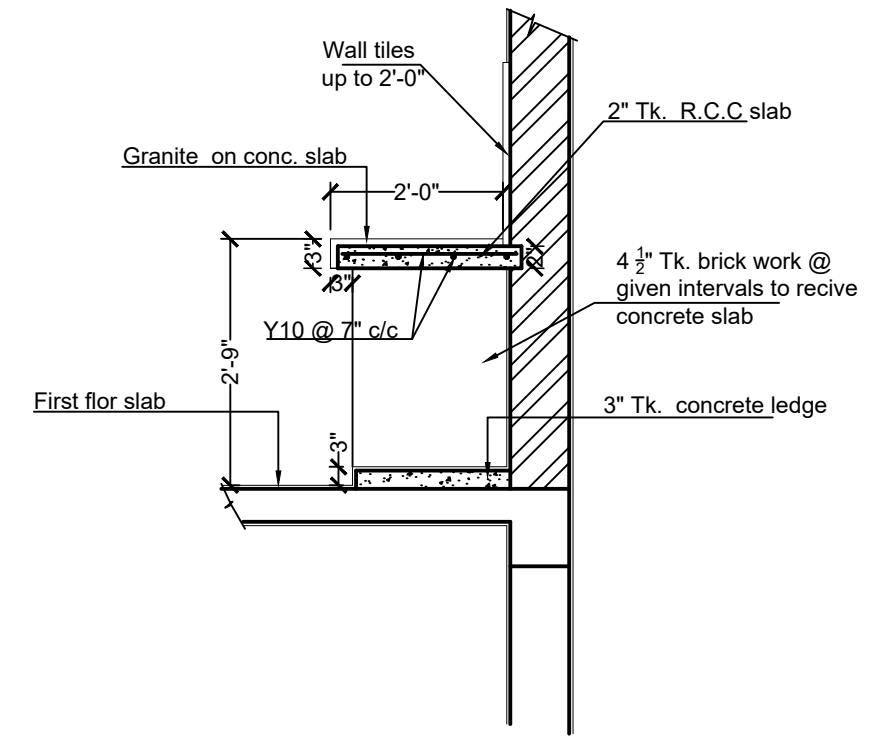
MEZZANINE FLOOR DB

<b>PROJECT</b>  PROPOSED BUILDING (B1) POOLBANK VOCATIONAL TRAINING CENTER, AT HATTON.	<b>CONSULTANTS</b>  <b>DH</b> <b>WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA.  T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	<b>DWG. TITLE</b>	<b>JOB NO. :</b> DH/C/OPTIMUM	<b>REV.</b>	<b>DATE</b>	<b>REMARK</b>	<b>M&amp;E DESIGNER :</b>  <b>Optimum</b> Building service solutions NO:195/2, THALANGAMA NORTH,BATTARAMULLA E-MAILS : optimum.bse@gmail.com	<b>ARCHITECT</b>
				R1	19.02.17	REVISED AS PER THE ARCHI. COMMENTS		
			<b>SCALE :</b> 0'-1/8 " : 1'-0" (A2)	R2	19.07.26	REVISED AS PER THE ARCHI. COMMENTS		
			<b>DATE :</b> 26-07-2019					
			<b>DRAWN :</b> PILR					
			<b>REVISION :</b> R2					<b>ENGINEER</b>

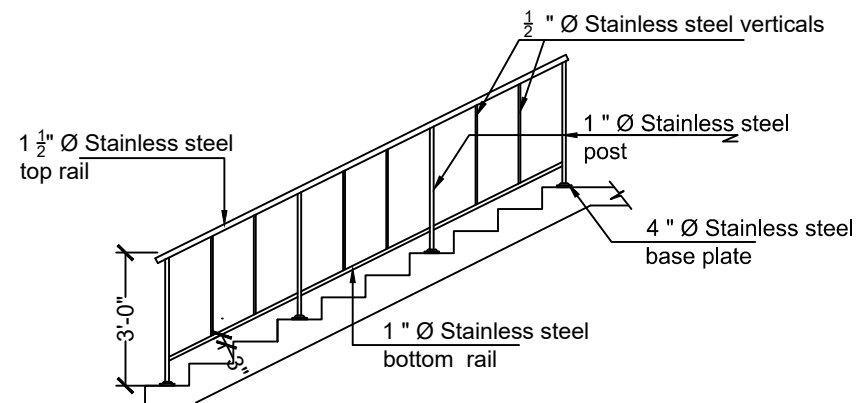
# **Annex 3**



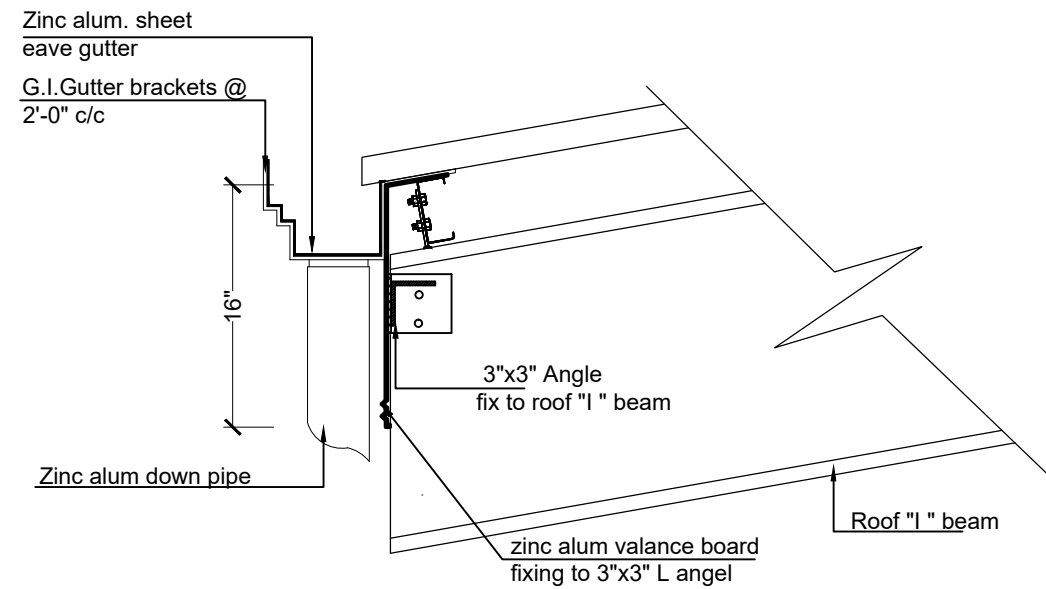
PLAN OF KITCHEN WORK TOP



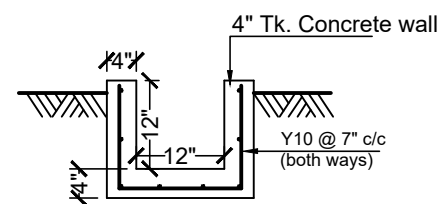
SECTION C - C



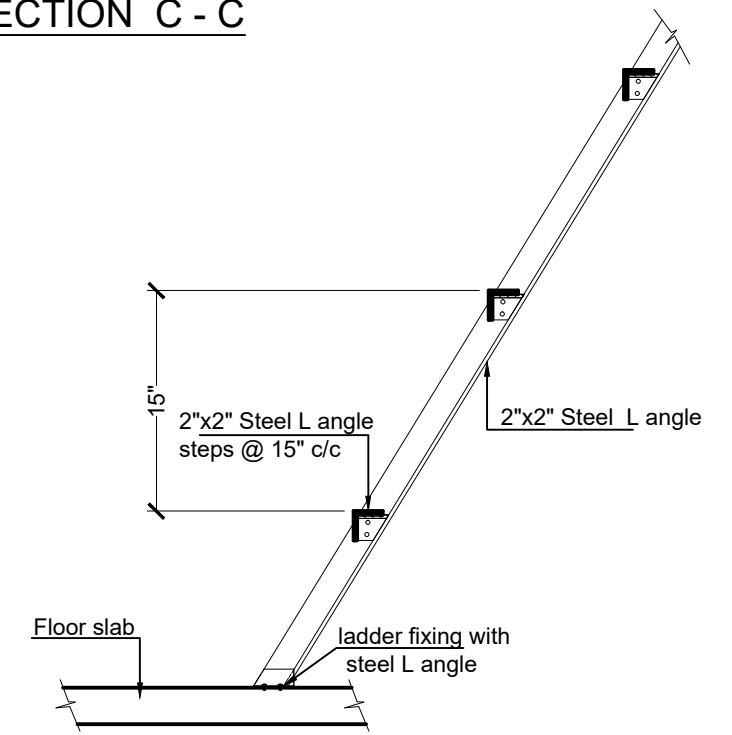
STAIRCASE HAND RAIL DETAIL



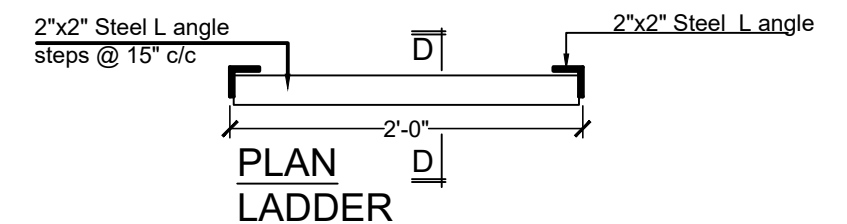
EAVE GUTTER & VALANCE BOARD FIXING DETAIL



SECTION OF CONCRETE DRAIN



LADDER SECTION D-D



PROJECT	DWG. TITLE	CONSULTANTS	JOB NO. : DH/C/492	REV.	DATE	REMARK		
PROPOSED BUILDING (B1) POOL BANK VOCATIONAL TRAINING CENTER, AT HATTON.	DETAILS OF KITCHEN WORK TOP,HAND RAIL DRAIN,EAVE GUTTER & LADDER .	<b>DH</b> <b>WIJEWARDENE ASSOCIATES</b> Chartered Architects, Engineers & Project Managers 176, DUTUGAMUNU STREET, KOHUWALA. T.P. 2821299 Fax. 4309206,email dh@dhwaso.com	DWG. NO. : A-15 (B1)				ARCHITECT	ENGINEER
			SCALE :					
			DATE : 25-07-2019					
			DRAWN : Yasaratne					
			REVISION : 00					



# **Annex 4**

[illegible]

**Bill No.1 - PRELIMINARIES**General

- 1.0 Bill No.1 - Preliminaries is intended to provide for the pricing of indirect items of work or services complementary to the Works, which are required to be provided by the Contractor in accordance with the ICTAD/CIDA Standard Bidding Documents.
- 2.0 Item listed under Bill No.1 - Preliminaries from part of the Job Overhead on or off site, other than the Contractor's Head Office overhead and therefore, the Overhead and profit component (mark up) included in the rates of measured items in the Bill of Quantities shall not include the cost of expenses in relation to said items in the Preliminaries Bill.
- 3.0 The bidder shall read understand and acquaint himself with the requirements in the Conditions of Contract Data, Form of Bid, and General Specifications of Works. Particular Specification of Works and Preamble Notes. It is the Bidder's responsibility to see that his price includes for complying with all above requirements whether specifically referred to in this bill of quantities or otherwise.
- 4.0 The bidder is required to visit the site of the proposed work as it is his responsibility to ascertain the conditions pertaining to the access to the site, the external working space, storage area, adjacent prosperities, environment etc.
- 5.0 Cost and expenses in connection with any other preliminary items which are not listed in this Bill No.1 - Preliminaries are not necessary for the due completion of Works, are deemed to be included in the rates of work items.
- 6.0 The Bidder is required to price each individual item given in this Bill No.1 - Preliminaries, in connection with the proposed Works. If no price has been stated against any item hereunder the Contractor shall not be entitled to claim any money for such items even though he is obliged to execute the work or provide services described therein. Preliminary items priced by the bidder are deemed to include the cost of any such un-priced items.

Mode of Payment	Category	
Reimbursement of actual cost on submission of the relevant documents acceptable to the Engineer plus 5% of the actual cost of obtaining the Insurance Policies and Securities.	A	
To be paid on signing of the formal Contract Agreement.	B	
60% on completion of temporary buildings or structures, 30% in equal installments over the contract period and balance 10% on dismantling and removal on completion.	C	
Paid on satisfactorily completion of the item	D	
In equal installments over the contract period.	E	
Mode of payment to be mutually agreed between Contractor and the Employer at the commencement of contract in relation to the Programme of work	F	
On the completion of works	G	

**The contractor will reimbursed if the price of the time purchasing is excess in the prime cost also the different will be deduction from the rate if the price is less than the prime cost**

Item	Prime cost	Actual cost (Invoice value)	Deference	

ITEM	DESCRIPTION OF WORK	Mode of Payment Category	UNIT	RATE	AMOUNT
	<b>Note:</b>				
	<b>Bidders are advised to read general notes of Bill No.1 Preliminaries on page 2 before pricing.</b>				
	<b>Bill No.1</b>				
	<b>A - PRELIMINARIES</b>				
A1	Provisional Sum for providing a Performance Security.	A	Pro.sum	60,000.00	60,000.00
A2	Provisional Sum for providing an Advance Payment Security.	A	Pro.sum	240,000.00	240,000.00
A3	Provisional Sum for insurance of Works, Machinery & Equipment, Plant, Material, third party persons & property and Employer's personnel & property at site as per the Contract	A	Pro.sum	150,000.00	150,000.00
A4	Provisional Sum for insurance against accident and injury to Contractor's personnel as per the contract.	A	Pro.sum	75,000.00	75,000.00
	<b>Engineer's Facilities</b>				
A5	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a temporary building for Engineer's office in conformity with the plans provided for Engineer's requirements, including necessary furniture and fittings, furnishing, sanitary facilities and other facilities.	C	Item		
A6	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the Engineer's site office for their use in connection with the Works.	D	Item		
A7	Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the Engineer's site office for their use in connection with the Works.	E	Item		
	<b>Contractor's Facilities</b>				
A8	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a temporary site office of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the contractor and concurred by the Engineer.	C	Item		
A9	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, buildings to be used as workshops and stores for perishable materials. Buildings shall be constructed in accordance with the drawings prepared by the Contractor and concurred by the Engineer. The lump sum shall also include for altering, modifying, or dismantling and re-erecting within the site all temporary buildings / structures if required.	C	Item		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
A10	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, temporary buildings in accordance with the plans prepared by the Contractor and concurred by the Engineer to accommodate the following:	C	item		
	1. Workers' rest room, canteen facilities, kitchen				
	2. Toilet and wash areas				
	3. Sick / First - Aid room				
	4. Accommodation for Contractor's staff and workmen including sanitary facilities on site, if applicable.				
A11	Allow lump sum for providing accommodation including sanitary facilities and transport for Contractor's staff and workman off site.	E	item		
A12	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the Contractor's site office for their use in connection with the Works.	D	item		
A13	Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services for the Contractor's site office for their use in connection with the Works.	E	item		
A14	Allow lump sum for Contractor's transport facilities at site.	E	item		
	<b>Construction Management and Supervision</b>				
A15	Allow lump sum for for employing suitably qualified and experienced technical personnel on full time basis for Construction Management Services at the site.	E	item		
	Management Services at the site as indicated "4.4.d. in bidding data and contract data".				
	<b>Category      <u>Qualifications &amp; Experience</u></b>				
	Project Manager BSc Eng. Civil with minimum 5 years experience or NDT(Civil) minimum 10 Years in building construction works				
	<b>Setting Out</b>				
A16	Allow lump sum for employing a licensed land surveyor to define the building site work etc., check levels and carry out such other surveys as may be necessary to establish accurately the placing of forms and pouring of concrete and all other setting out in both vertical and horizontal plane.	F	item		
A17	Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer.	F	item		
A18	Allow lump sum for provision of progress reports including photographic records and other schedules included in the ICTAD publication - Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer.	E	item		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>Quality, Standards and Progress</b>				
A19	Allow lump sum for all cost in connection with preparing samples for testing making arrangements for testing of Materials, Good etc, as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	E	item		
A20	Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval.	E	item		
A21	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as- built drawings of all services, for Engineer's approval.	D	item		
	<b>Health, Safety and Environment</b>				
A22	Allow lump sum for the following services throughout the period of construction for the Engineer's office, Contractor's site office and worker's rest room and other facilities;	E	item		
	a. Employing workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc.				
	b. Supplying adequate drinking water, water for washing purposes, soap, detergent, etc. throughout the period of construction.				
A23	Allow lump sum for making adequate provision against air and noise pollution of surrounding areas. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas.	E	item	Deleted	Deleted
A24	Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period.	E	item		
A25	Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over.	G	item		
	<b>Security and Protection</b>				
A26	Allow lump sum for employing an adequate number of security personnel and security system on full time basis throughout the period of construction, and provide for necessary security lighting and a	E	item		
A27	Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the Works, Materials and Plant, as directed by the Engineer.	E	item		
	<b>Services and Facilities</b>				
A28	Allow lump sum for supply of water for the Works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation.	E	item		
	<b>Sub Total carried over</b>				

**BILL NO.1 - PRELIMINARIES CARRIED TO SUMMARY**

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>B - EXCAVATOR</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES" prior to pricing these items.		note		
B1	Bulk excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the foundation .Unusable material to be disposed in local authority regulations. It is expected that 50% of excavated earth can be used for backfilling and such material shall be stacked in a near by land hired for this purpose.	790.00	cube		
B2	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the retaining wall depth not exceeding 3' 6" from the ground level . Material to be disposed as specified under item C1.	60.00	cube		
B3	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the retaining wall depth exceeding 3' 6" not exceeding 7' 6" from the ground level .Material to be disposed as specified under item C1.	25.00	cube		
B4	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the wall foundation depth not exceeding 3' 6" from the ground level . Material to be disposed as specified under item C1.	60.00	cube		
B5	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the wall foundation depth exceeding 3' 6" not exceeding 7' 6" from the ground level .Material to be disposed as specified under item C1.	5.00	cube		
B6	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the column base depth not exceeding 3' 6" from the ground level . Material to be disposed as specified under item C1.	36.00	cube		
B7	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the lift pits depth not exceeding 3' 6" from lower ground floor Material to be disposed as specified under item C1.	4.50	cube		
B8	Excavate pit in any material met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed for the lift pits depth exceeding 3' 6" and not exceeding 7' 0" from lower ground floor. Material to be disposed as specified under item C1.	5.50	cube		
B9	Approved hard earth filling 9" thick layers watered well rammed and consolidated under ramp floor. (Imported earth)	10.00	cube		
B10	Approved hard earth filling 9" thick layers watered well rammed and consolidated under floors using excavated earth stacked as required under item C1.	80.00	cube		
	<b>Sub Total carried over</b>				



8

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>C - CONCRETOR</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES' prior to pricing these items.		Note		
	<b>SUB STRUCTURE</b>				
C1	2" thick mass concrete in <b>grade 15</b> (1") as screed below retaining	18.00	sqr		
C2	2" thick mass concrete in <b>grade 15</b> (1") as screed below wall	10.00	sqr		
C3	2" thick mass concrete in <b>grade 15</b> (1") in below column base	10.00	sqr		
C4	2" thick mass concrete in <b>grade 15</b> (1") as screed below lift pit.	1.50	sqr		
C5	Reinforced concrete in <b>grade 35A</b> (3/4") in retaining wall base.	19.50	cube		
C6	Reinforced concrete in <b>grade 35A</b> (3/4") in retaining wall .	65.00	cube		
C7	Reinforced concrete in <b>grade 35A</b> (3/4") in column base.	20.00	cube		
C8	Reinforced concrete in <b>grade 35A</b> (3/4") in column shaft.	1.00	cube		
C9	Reinforced concrete in <b>grade 35A</b> (3/4") in plinth beam	4.50	cube		
C10	Reinforced concrete in <b>grade 35A</b> (3/4") in floor concrete	14.50	cube		
C11	Reinforced concrete in <b>grade 35A</b> 3/4") in ground beam	6.60	cube		
C12	Reinforced concrete in <b>grade 35A</b> (3/4") in lift pit base.	2.20	cube		
C13	Reinforced concrete in <b>grade 35A</b> (3/4") in lift core wall.	1.50	cube		
C14	4" thk Reinforced concrete in <b>grade 25</b> (3/4") in parking area and finished power trowel led with non metallic floor hardener.	6.60	cube		
C15	4" thk Reinforced floor concrete in <b>grade 25</b> (3/4") in lower ground	5.50	cube		
	<b>LOWER GROUND FLOOR TO UPPER GROUND FLOOR</b>				
C16	Reinforced concrete in <b>grade 25</b> (3/4") in column shaft.	2.00	cube		
C17	Reinforced concrete in <b>grade 25</b> (3/4") in upper ground floor beams.	7.50	cube		
C18	6" thk Reinforced concrete in <b>grade 25</b> (3/4") in upper ground floor floor slab	7.00	cube		
C19	5" thk Reinforced concrete in <b>grade 25</b> (3/4") in upper ground floor floor slab	6.60	cube		
C20	Reinforced concrete in <b>grade 25</b> (3/4") in staircases with landing slab.	3.00	cube		
	<b>UPPER GROUND FLOOR TO FIRST FLOOR</b>				
C21	Reinforced concrete in <b>grade 25</b> (3/4") in column shaft.	2.80	cube		
C22	Reinforced concrete in <b>grade 25</b> (3/4") in first floor beams.	9.00	cube		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
C23	5" thk Reinforced concrete in <b>grade 25</b> (3/4") in first floor slab	3.50	cube		
C24	6" thk Reinforced concrete in <b>grade 25</b> (3/4") in first floor slab	12.00	cube		
C25	4" thk Reinforced floor concrete in <b>grade 25</b> (3/4") in first floor	5.00	cube		
C26	Reinforced concrete in <b>grade 25</b> (3/4") in all staircases with landing	4.00	cube		
	<b>FIRST FLOOR TO SECOND FLOOR</b>				
C27	Reinforced concrete in <b>grade 25</b> (3/4") in column shaft.	4.50	cube		
C28	Reinforced concrete in <b>grade 25</b> (3/4") in second floor beams.	18.00	cube		
C29	5" thk Reinforced concrete in <b>grade 25</b> (3/4") in second floor slab	21.00	cube		
C30	6" thk Reinforced concrete in <b>grade 25</b> (3/4") in second floor slab	0.50	cube		
C31	Reinforced concrete in <b>grade 25</b> (3/4") in all staircases with landing	4.50	cube		
	<b>SECOND FLOOR TO MAZZANINE FLOOR</b>				
C32	Reinforced concrete in <b>grade 30</b> (3/4") in column shaft.	2.00	cube		
C33	Reinforced concrete in <b>grade 25</b> (3/4") in mazzanine floor beams.	10.00	cube		
C34	5" thk Reinforced concrete in <b>grade 25</b> (3/4") in mazzanine floor slab	6.00	cube		
C35	6" thk Reinforced concrete in <b>grade 25</b> (3/4") in second floor slab	12.50	cube		
C36	Reinforced concrete in <b>grade 25</b> (3/4") in all staircases with landing	1.80	cube		
	<b>MAZZANINE FLOOR FLOOR TO ROOF</b>				
C37	Reinforced concrete in <b>grade 30</b> (3/4") in column shaft.	4.50	cube		
C38	Reinforced concrete in <b>grade 25</b> (3/4") in roof beams.	6.00	cube		
C39	6" thk Reinforced concrete in <b>grade 25</b> (3/4") in roof slab	2.60	cube		
C40	Reinforced concrete in <b>grade 25</b> (3/4") in roof tie beams.	4.50	cube		
	<b>FORMWORK</b>				
	<b>15mm tk. Plywood</b> formwork in the following including dismantling		Note		
	<b>SUB STRUCTURE</b>				
C41	15mm tk. Plywood form work to sides of retaining wall base.	8.00	sqr		
C42	15mm tk. Plywood form work to sides of retaining wall.	115.00	sqr		
C43	15mm tk. Plywood form work to sides of column bases.	9.50	sqr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>FORMWORK</b>				
	<b>15mm tk. Plywood</b> formwork in the following including dismantling		Note		
	<b>SUB STRUCTURE</b>				
C44	15mm tk. Plywood form work to sides of retaining wall base.	8.00	sqr		
C45	15mm tk. Plywood form work to sides of retaining wall.	115.00	sqr		
C46	15mm tk. Plywood form work to sides of column bases.	9.50	sqr		
C47	15mm tk. Plywood form work to sides of plinth beam	11.00	sqr		
C48	15mm tk. Plywood form work to sides of column shaft	4.50	sqr		
C49	15mm tk. Plywood form work to sides of lift pit base.	0.80	sqr		
C50	15mm tk. Plywood form work to sides of lift core wall.	3.20	sqr		
C51	15mm tk. Plywood form work to sides of ground floor beam.	2.00	sqr		
	<b>LOWER GROUND FLOOR TO UPPER GROUND FLOOR</b>				
C52	15mm tk. Plywood form work to sides of column shaft	9.00	sqr		
C53	15mm tk. Plywood form work to sides and soffit of upper floor beams	23.00	sqr		
C54	15mm tk. Plywood form work to sides and soffit of upper ground floor slab	30.00	sqr		
C55	15mm tk. Plywood form work to sides and soffit of all stair cases with risers.	5.00	sqr		
	<b>UPPER GROUND FLOOR TO FIRST FLOOR</b>				
C56	15mm tk. Plywood form work to sides of column shaft	11.00	sqr		
C57	15mm tk. Plywood form work to sides and soffit of first floor beams	30.00	sqr		
C58	15mm tk. Plywood form work to sides and soffit of first floor slab	31.00	sqr		
C59	15mm tk. Plywood form work to sides and soffit of all stair cases with risers.	6.00	sqr		
	<b>FIRST FLOOR TO SECOND FLOOR</b>				
C60	15mm tk. Plywood form work to sides of column shaft	18.00	sqr		
C61	15mm tk. Plywood form work to sides and soffit of second floor	51.00	sqr		
C62	15mm tk. Plywood form work to sides and soffit of second floor slab	51.00	sqr		
C63	15mm tk. Plywood form work to sides and soffit of all stair cases with risers.	9.00	sqr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>SECOND FLOOR TO MAZZANINE FLOOR</b>				
C64	15mm tk. Plywood form work to sides of column shaft	7.00	sqr		
C65	15mm tk. Plywood form work to sides and soffit of mazzanine floor	35.00	sqr		
C66	slabs.	17.50	sqr		
C67	15mm tk. Plywood form work to sides and soffit of all stair cases with risers.	3.00	sqr		
	<b>MAZZANINE FLOOR TO ROOF</b>				
C68	15mm tk. Plywood form work to sides of column shaft	17.00	sqr		
C69	15mm tk. Plywood form work to sides and soffit of roof beams	18.50	sqr		
C70	15mm tk. Plywood form work to sides and soffit of roof slab	6.50	sqr		
C71	15mm tk. Plywood form work to sides and soffit of roof tie beams	10.00	sqr		
	<b>REINFORCEMENT</b>				
	Characteristic strength of reinforcements				
	High Tensile steel -460 N/mm2 , Mild steel - 250 N/mm2		Note		
	<b>SUB STRUCTURE</b>				
C72	10 mm dia, high tensile steel rod reinforcement in retaining wall base.	30.00	cwt		
C73	12 mm dia, high tensile steel rod reinforcement in retaining wall base.	28.00	cwt		
C74	10 mm dia, high tensile steel rod reinforcement in retaining wall base.	60.00	cwt		
C75	12 mm dia, high tensile steel rod reinforcement in retaining wall base.	170.00	cwt		
C76	16 mm dia, high tensile steel rod reinforcement in retaining wall base.	85.00	cwt		
C77	10 mm dia, high tensile steel rod reinforcement in column base.	2.00	cwt		
C78	12 mm dia, high tensile steel rod reinforcement in column base.	6.00	cwt		
C79	16 mm dia, high tensile steel rod reinforcement in column base.	11.00	cwt		
C80	12 mm dia, high tensile steel rod reinforcement in plinth beam	17.00	cwt		
C81	12 mm dia, high tensile steel rod reinforcement in column shaft	1.60	cwt		
C82	16 mm dia, high tensile steel rod reinforcement in column shaft	9.60	cwt		
C83	8mm dia, mild steel reinforcement in column shaft	1.80	cwt		
C84	25 mm dia, high tensile steel rod reinforcement in ground beam	14.50	cwt		
C85	16 mm dia, high tensile steel rod reinforcement in ground beam	5.63	cwt		
C86	10 mm dia, mild steel reinforcement in ground beam	1.10	cwt		
C87	12 mm dia,high tensile steel rod reinforcement in lift base slab.	7.50	cwt		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
C88	10 mm dia,high tensile steel rod reinforcement in lift wall	7.00	cwt		
C89	8mm dia, high tensile steel rod reinforcement in floor concrete	31.00	cwt		
	<b>LOWER GROUND FLOOR TO UPPER GROUND FLOOR</b>				
C90	16mm dia. high tensile steel rod reinforcement in column shaft.	4.30	cwt		
C91	12mm dia. high tensile steel rod reinforcement in column shaft.	0.30	cwt		
C92	6mm dia. mild steel reinforcement in column shaft.	1.00	cwt		
C93	25mm dia. high tensile steel rod reinforcement in upper floor beams	1.00	cwt		
C94	20mm dia. high tensile steel rod reinforcement in upper floor beams	22.00	cwt		
C95	16mm dia. high tensile steel rod reinforcement in upper floor beams	13.00	cwt		
C96	12mm dia. high tensile steel rod reinforcement in upper floor beams	4.50	cwt		
C97	8mm dia. mild steel reinforcement in upper floor beams	9.50	cwt		
C98	10mm dia.high tensile steel rod reinforcement in upper ground floor slab	59.00	cwt		
C99	10mm dia.high tensile steel rod reinforcement in all staircases .	5.00	cwt		
C100	12mm dia.high tensile steel rod reinforcement in all staircases .	5.00	cwt		
	<b>UPPER GROUND FLOOR TO FIRST FLOOR</b>				
C101	20mm dia. high tensile steel rod reinforcement in column shaft.	3.50	cwt		
C102	16mm dia. high tensile steel rod reinforcement in column shaft.	18.00	cwt		
C103	12mm dia. high tensile steel rod reinforcement in column shaft.	0.30	cwt		
C104	6mm dia. mild steel rod reinforcement in column shaft.	4.00	cwt		
C105	25mm dia. high tensile steel rod reinforcement in first floor beams	4.00	cwt		
C106	20mm dia. high tensile steel rod reinforcement in first floor beams	16.00	cwt		
C107	16mm dia. high tensile steel rod reinforcement in first floor beams	22.00	cwt		
C108	12mm dia. high tensile steel rod reinforcement in first floor beams	3.00	cwt		
C109	8mm dia. mild steel reinforcement in first floor beams	5.00	cwt		
C111	10mm dia.high tensile steel rod reinforcement in first floor slab.	62.00	cwt		
C112	10mm dia.high tensile steel rod reinforcement in all staircases .	7.00	cwt		
C113	12mm dia.high tensile steel rod reinforcement in all staircases .	7.50	cwt		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>FIRST FLOOR TO SECOND FLOOR</b>				
C114	16mm dia. high tensile steel rod reinforcement in column shaft.	24.00	cwt		
C115	12mm dia. high tensile steel rod reinforcement in column shaft.	1.00	cwt		
C116	6mm dia. high tensile steel rod reinforcement in column shaft.	6.00	cwt		
C117	25mm dia. high tensile steel rod reinforcement in second floor beams	20.00	cwt		
C118	20mm dia. high tensile steel rod reinforcement in second floor beams	35.00	cwt		
C119	16mm dia. high tensile steel rod reinforcement in second floor beams	48.00	cwt		
C120	12mm dia. high tensile steel rod reinforcement in second floor beams	5.00	cwt		
C121	10mm dia. high tensile steel rod reinforcement in second floor beams	17.00	cwt		
C122	8mm dia. high tensile steel rod reinforcement in second floor beams	10.00	cwt		
C123	10mm dia. high tensile steel rod reinforcement in second floor slab.	105.00	cwt		
C124	10mm dia. high tensile steel rod reinforcement in all staircases .	9.00	cwt		
C125	12mm dia. high tensile steel rod reinforcement in all staircases .	6.00	cwt		
	<b>SECOND FLOOR TO MAZZANINE FLOOR</b>				
C127	16mm dia. high tensile steel rod reinforcement in column shaft.	11.00	cwt		
C128	12mm dia. high tensile steel rod reinforcement in column shaft.	0.30	cwt		
C129	6mm dia. high tensile steel rod reinforcement in column shaft.	2.50	cwt		
C130	25mm dia. high tensile steel rod reinforcement in mazzanine floor bear	11.00	cwt		
C131	20mm dia. high tensile steel rod reinforcement in mazzanine floor bear	7.00	cwt		
C132	16mm dia. high tensile steel rod reinforcement in mazzanine floor bear	22.00	cwt		
C133	12mm dia. high tensile steel rod reinforcement in mazzanine floor bear	6.00	cwt		
C134	10mm dia. high tensile steel rod reinforcement in mazzanine floor bear	6.00	cwt		
C135	8mm dia. high tensile steel rod reinforcement in mazzanine floor beam	6.00	cwt		
C136	10mm dia. high tensile steel rod reinforcement in mazzanine floor slab.	25.00	cwt		
C137	10mm dia. high tensile steel rod reinforcement in all staircases .	3.50	cwt		
C138	12mm dia. high tensile steel rod reinforcement in all staircases .	1.50	cwt		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>MAZZANINE FLOOR TO ROOF</b>				
C139	12mm dia. high tensile steel rod reinforcement in column shaft.	0.40	cwt		
C140	6mm dia.mild steel rod reinforcement in column shaft.	0.32	cwt		
C141	25mm dia. high tensile steel rod reinforcement in roof beams	7.70	cwt		
C142	20mm dia. high tensile steel rod reinforcement in roof beams	9.00	cwt		
C143	16mm dia. high tensile steel rod reinforcement in roof beams	9.50	cwt		
C144	12mm dia. high tensile steel rod reinforcement in roof beams	2.10	cwt		
C145	8mm dia. high tensile steel rod reinforcement in roof beams	6.20	cwt		
C146	10mm dia.high tensile steel rod reinforcement in roof slab.	12.00	cwt		
C147	16mm dia. high tensile steel rod reinforcement in tie roof beams	20.50	cwt		
C148	12mm dia. high tensile steel rod reinforcement in roof tie beams	1.50	cwt		
C149	8mm dia. high tensile steel rod reinforcement in roof tie beams	1.00	cwt		
C150	6mm dia, mild steel rod reinforcement in roof tie beam.	4.20	cwt		
	<b>LINTELS</b>				
C155	Concrete lintels 9"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in basement floor.	35.00	ft.		
C156	Concrete lintels 9"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in ground floors.	35.00	ft.		
C157	Concrete lintels 9"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in first floors.	175.00	ft.		
C158	Concrete lintels 9"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in second floors.	125.00	ft.		
C159	Concrete lintels 41/2"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in basement floors.	20.00	ft.		
C160	Concrete lintels 41/2"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in ground floors.	20.00	ft.		
C161	Concrete lintels 41/2"x6" with 4T 12 bars, R6 at 7" c/c & necessary formwork in first floors.	20.00	ft.		
C162	Concrete lintels 9"x 41/2" with 4T 12 bars, R6 at 7" c/c & necessary formwork in second floors.	30.00	ft.		
	<b>Sub Total carried over</b>				



**TRADE TOTAL CARRIED TO SUMMARY**

**TRADE TOTAL CARRIED TO SUMMARY**

18

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>F - METAL WORK</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES" prior to pricing these items.		Note		
	<b>Door lock -Yale, Union. Alpha,V.V.P or equivalent.</b>				
	<b>Door closer- Albion, Kinglong or equivalent.</b>				
	<b>Floor hingers - Kinglong, Dorma or equivalent.</b>				
	<b>Contractor should submit shop drawing for approval of Engineer prior to fabrication of items.</b>				
	<b>Powder coating thickness shall be 60 - 80 microns as per the given specifications Aluminium sections for frames shall be of minimum 1.6mm thk and sashes 1.2mm thk</b>				
	<b>DOORS</b>				
F1	Approved quality <b>powder coated</b> aluminium frame door type <b>D2</b> size 5' 0" x 7' 0" high overall with 2 no of 5mm thk clear glass panel sashes including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(01 nr.)	35.00	sq.ft		
F2	Approved quality <b>powder coated</b> aluminium frame door type <b>D3</b> size 3' 0" x 7' 0" high overall with plywood door sash including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(7 nr.)	147.00	sq.ft		
F3	Approved quality <b>powder coated</b> aluminium frame door type <b>D4</b> size 3' 6" x 7' 0" high overall with aluminium cladding panel sash and stainless steel kick plate on bottom including all necessary heavy duty 3 no of 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(01 nr.)	24.50	sq.ft		
F4	Approved quality <b>powder coated</b> aluminium frame door type <b>D7</b> size 2' 6" x 7' 0" high overall with aluminium cladding panel sash including all necessary heavy duty 3 no of 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles,door lock complete as per the detail drawing.(09 nr.)	157.50	sq.ft		
F5	Approved quality <b>powder coated</b> aluminium frame door type <b>D8</b> size 3' 6" x 7' 0" high overall with 5mm thk pinhead glass panel on top and aluminium cladding panel sash on bottom including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door closer, door handles, door lock complete as per the detail drawing.(2 nr.)	50.40	sq.ft		
F6	Approved quality <b>powder coated</b> aluminium frame door type <b>D9</b> size 3' 0" x 7' 0" high overall with plywood door sash including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(4 nr.)	84.00	sq.ft		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
F7	Approved quality <b>powder coated</b> aluminium frame door type <b>D13</b> size 3' 0" x 7' 0" high overall with aluminium cladding panel sash including all necessary heavy duty 3 no of 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(05 nr.)	105.00	sq.ft		
F8	Approved quality <b>powder coated</b> aluminium frame door type <b>D15</b> size 3' 6" x 7' 0" high overall with 5mm thk clear glass panel on top and aluminium cladding panel sash on bottom including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door closer, door handles, door lock complete as per the detail drawing.(2 nr.)	50.40	sq.ft		
F9	Approved quality <b>powder coated</b> aluminium frame door type <b>D18</b> size 5' 4" x 7' 0" high overall with 2 no of 5mm thk clear glass panel sashes including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(01 nr.)	37.31	sq.ft		
F10	Approved quality <b>powder coated</b> aluminium frame door type <b>D19</b> size 2' 6" x 7' 0" high overall with plywood door sash including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(2 nr.)	35.00	sq.ft		
F11	Approved quality <b>powder coated</b> aluminium frame door type <b>D20</b> size 3' 0" x 7' 0" high overall with 5mm thk clear glass panel sash including all necessary heavy duty 4"x3" stainless steel hinges, rubber gaskets, wool beading, door handles, door lock complete as per the detail drawing.(03 nr.)	63.00	sq.ft		
	<b>STEEL DOOR</b>				
F12	Approved quality 2" x 2" heavy duty <b>G.I box section</b> framed double sash door type <b>D5</b> size 5' 0" x 7' 0" high overall with 2" x 2" GI L angle iron frame fixed to wall & covered with 4" x 4" x 1/4" G.I mesh including necessary heavy duty 6 no of hinges, locking device fixed complete as shown in drawings. Rate shall include two coats of oil primer and two coats of approved enamel paint.(01 nr)	35.00	sq.ft		
F13	Approved quality 1 1/2" x 1/2" heavy duty <b>flat iron</b> framed door type <b>D21</b> size 2' 6" x 4' 0" high overall with 4" x 4" x 1/4" GI mesh including necessary heavy duty 3 no of hinges, locking device fixed complete as shown in drawings. Rate shall include two coats of oil primer and two coats of approved enamel paint.(01 nr)	10.00	sq.ft		
	<b>WINDOWS</b>				
F14	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W1</b> size 5' 6" x 7' 2" high consisting of 5mm thk clear glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (6 nr.)	236.28	sq.ft		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
F15	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W2</b> size 6' 0" x 5' 6" high consisting of 5mm thk clear glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (1 nr.)	33.00	sq.ft		
F16	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W3</b> size 4' 0" x 5' 6" high consisting of 5mm thk clear glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (13 nr.)	286.00	sq.ft		
F17	Approved colour & quality <b>powder coated aluminium</b> framed sliding window type <b>W4</b> size 15' 3" x 6' 0" high consisting of 5mm thk glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (4 nr.)	366.00	sq.ft		
F18	Approved colour & quality <b>powder coated aluminium</b> framed sliding window type <b>W5</b> size 16' 0" x 6' 0" high consisting of 5mm thk glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (3 nr.)	288.00	sq.ft		
F19	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W6</b> size 5' 0" x 5' 6" high consisting of 5mm thk clear glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (5 nr.)	137.50	sq.ft		
F20	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W1a</b> size 7' 2" x 3' 0" high consisting of 5mm thk clear glass sashes including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (1 nr.)	21.48	sq.ft		
F21	Approved colour & quality <b>powder coated aluminium</b> framed window type <b>W7</b> size 2' 3" x 5' 6" high consisting of 5mm thk clear glass sash including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (1 nr.)	12.38	sq.ft		
F22	Approved colour & quality <b>powder coated aluminium</b> framed doorwindow type <b>DW2</b> consisting of size 3' 6" x 9' 0" high door panel with top hung fanlight and size 5' 6" x 6' 6" 5mm thk clear glass window sashes including all necessary hingers, rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (3 nr.)	67.25	sq.ft		
F23	Approved colour & quality <b>powder coated aluminium</b> framed fixed window type <b>FG1</b> size 4' 0" x 2' 6" high consisting of 5mm thk clear glass sash including all necessary rubber gaskets, wool beadings with nails ,lock etc., complete as per the detail drawing. (1 nr.)	10.00	sq.ft		
	<b>FANLIGHT</b>				
F24	Approved colour & quality <b>powder coated aluminium</b> framed fanlight type <b>F1</b> size 2' 6" x 3' 6" high consisting of 5mm thk clear glass panel including all necessary 2 no of heavy duty 10" long stainless steel bar hinges s/s 304, rubber gaskets, wool beadings with nails etc., complete as per the detail drawing. (2 nr.)	17.50	sq.ft		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
F25	Approved colour & quality <b>powder coated aluminium</b> framed fanlight type <b>F2</b> size 2' 6" x 2' 0" high consisting of 5mm thk clear glass panel including all necessary heavy duty 10" long stainless steel bar hinges s/s 304, rubber gaskets, wool beadings with nails etc., complete as per the detail drawing. (4 nr.)	20.00	sq.ft		
F26	Approved colour & quality <b>powder coated aluminium</b> framed fanlight type <b>F3</b> size 2' 6" x 4' 0" high consisting of 5mm thk clear glass panel including all necessary heavy duty 10" long stainless steel bar hinges s/s 304, rubber gaskets, wool beadings with nails etc., complete as per the detail drawing. (4 nr.)	40.00	sq.ft		
F27	Approved colour & quality <b>powder coated aluminium</b> framed fanlight type <b>F4</b> size 3' 0" x 4' 0" high consisting of 5mm thk clear glass panel including all necessary heavy duty 10" long stainless steel bar hinges s/s 304, rubber gaskets, wool beadings with nails etc., complete as per the detail drawing. (3 nr.)	36.00	sq.ft		
	<b>DUCT DOORS</b>				
F28	Approved colour & quality <b>powder coated</b> aluminium framed duct doors type <b>DD1</b> size 1' 6"x 4' 0" high overall consisting of 1 no of aluminium louver panel sash including all necessary heavy duty ironmongery with nails complete as per the detail drawing. (8 nr.)	48.00	sq.ft.		
	<b>PARTITIONS</b>				
F29	Approved colour and quality powder coated aluminium frame partitions type <b>P1</b> size <b>15' 3" x 8' 6"</b> high consisting of 6mm thk clear glass panels, fixed complete as per detail drawings and specification. (01 Nr.) (Door measured separately)	92.32	sq.ft.		
F30	Approved quality 2" x 2" heavy duty <b>G.I box section</b> framed partitions type <b>P2</b> size <b>16' 3" x 8' 6"</b> high overall with 2" x 2" GI L angle iron frame fixed to wall & covered with 4"x 4" x 1/4" G.I mesh fixed complete as shown in drawings. Rate shall include two coats of oil primer and two coats of approved enamel paint.(02 nr)	276.25	sq.ft.		
F31	Approved colour and quality powder coated aluminium frame partitions type <b>P3</b> size <b>17' 9" x 8' 6"</b> high consisting of 6mm thk clear glass panels, fixed complete as per detail drawings and specification. (01 Nr.) (Door measured separately)	115.88	sq.ft.		
	<b>HAND RAIL FOR MAIN STAIR CASE</b>				
F32	3' 0" high stainless steel hand rail with heavy duty 1 1/2" dia s/s tube top rail, 1" dia s/s tube bottom rail and 1/2" dia s/s tube columns at 3'0" c/c including 4"x4" x1/4" tk. s/s base plate, fixed complete with polishing from lower ground floor to upper ground floor as per detail drawing.	22.00	ft		
	<b>Sub Total carried over</b>				

23



ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>G - CARPENTRY AND JOINARY</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES' prior to pricing these items.				
	Door frame - Balau				
	Door sashes - Treated Mahogany				
	Door lock - Dorset or equivalent				
	Hinges - Indian make - good quality				
	Door closer - Albion or equivalent				
	Door stopper - M- coco or equivalent				
G1	Timber door type <b>D6</b> size 3' 6" x 7' 0" high overall with 1 1/2" thk timber door sash, size 5" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(1nr)	24.50	sq.ft		
G2	Timber door type <b>D10</b> size 4' 0" x 7' 0" high overall with 2 no of 1 1/2" thk timber panel door sash with 5mm thk clear glass panel, size 5" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(1nr)	28.00	sq.ft		
G3	Timber door type <b>D12</b> size 3' 0" x 7' 0" high overall with plywood door sash with 5mm thk clear glass sash, size 4" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(1nr)	21.00	sq.ft		
G4	Timber door type <b>D14</b> size 5' 0" x 7' 0" high overall with 2 no of 1 1/2" thk timber panel door sash size 5" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(2nr)	70.00	sq.ft		
G5	Timber door type <b>D16</b> size 3' 0" x 7' 0" high overall with plywood door sash with 1" x 1/2" timber beading size 5" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(3nr)	63.00	sq.ft		
G6	Timber door type <b>D17</b> size 3' 6" x 7' 0" high overall with 1 1/2" thk timber door sash with 5mm thk clear glass panel, size 4" x 3" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(2nr)	49.00	sq.ft		
G7	Timber doorwindow type <b>DW1</b> size 15' 3" x 8' 6" high overall with 1 1/2" thk timber door sashes and 5mm thk clear glass panel window, sashes size 4" x 6" balau timber frame including all necessary heavy duty ironmongery, door hinges, door handle, door lock complete as per the detail drawing and polishing with one under coat ,two finishing coat and water base paint coat.(1nr)	129.63	sq.ft		
	<b>Sub Total carried over</b>				

25

26

27

ITEM	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
	<b>K - PLUMBING WORK</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES" prior to pricing these items.		note		
	<b>Notes:</b>				
	Contractor shall refer to the drawings, specifications, notes, measurement & rate clauses and trade preambles before pricing.				
	Unplasticised polyvinyl chloride (uPVC) pipes shall be used in the plumbing installation and they must confirm in every respect to the requirements of the SLS 147 or BS 4514.				
	All fittings and pipe specials used in the plumbing installation shall be suitable and compatible with all respects to the pipe line to which fittings and specials are fixed				
	All sanitary fittings supplied shall be provided with a minimum 25 years warranty, issued jointly and severally by the local supplier and the manufacturer.				
	All taps & accessories shall be chromium plated manufactured in Europe or Japan or approved equivalent and shall have a minimum 5				
	<b>Unless otherwise measured separately</b> , rates for plumbing work shall include for:				
	(a) Complying with the relevant Sri Lankan, British or any other standard as given under the specifications and with the regulations of the Local Authority and or any other relevant authorities.				
	(b) Cutting and waste of pipes etc., and joining pipes.				
	(c) All specials such as elbows, bends, tees, junctions, plugs, reducers and similar pipe fittings except for valves which will be measured				
	(d) Connecting pipes to sanitary fixtures and appliances.				
	(e) Casing to brick walls etc. and making good all works disturbed.				
	(f) Necessary screws, nails sockets, connection back nuts standard pipe fixing or supporting clips, saddles, brackets, holder bats, straps				
	(g) Connecting of different types of pipes.				
	(h) Supply , installation, testing and disinfection after completion.				
	(i) Submitting shop drawings where necessary.				
	(j) Excavation, backfilling, disposal of surplus soil for items which were specifically mentioned.				
	(k) All shop fabrication work, marking, delivery, unloading, hoisting, erecting and fixing as per detail drawings.				
	(l) Members of any length.				

(f) Giving notices, obtaining permits, paying fees, fixing, testing and

ITEM	DESCRIPTION OF WORK	UNIT	QTY	RATE	AMOUNT
	<b><u>COLD WATER</u></b>				
	<b><u>Service Meter to Sump</u></b>				
K1	40mm diameter PVC pipe including running sockets and embedded to wall including all specials to over head tanks	120.00	ft		
K2	Transfer pump set 2Nos (1 duty 1 Standby) Capacity 1.2 lit/s at 3.0 bar head Electrically operated three phase Cetrifugal Water pump including foot valve, necessary Iron Brackets, valves,stainers, flexible couplings, vertex inhibitor and other necessary accessories etc.	1.00	Item		
K3	Water pump control panel for above pumping systems with all safety features and water level sensors (Stain steel rods) for good working	1.00	Item		
K4	Capacity 5000lt Polyurethane water Tank Including necessary drain off and over flow connections,50mm supply header including ball float vave & necessary valves and accessories as shown in drawing	1.00	nr		
	<b><u>Distribution Pipes</u></b>				
	Type 1000uPVC pipe with all necessary specials laid in water distribution system buried in brick walls / floor or clipped to any location where necessary.Rate shall include for necessary fittings.				
K5	20mm diameter	160.00	ft		
K6	25mm diameter	190.00	ft		
K7	32mm diameter	210.00	ft		
K8	40mm diameter	18.00	ft		
K9	50mm diameter	86.00	ft		
K10	63mm diameter	210.00	ft		
	<b>ANCILLARIES</b>				
	<b><u>Gate Valves</u></b>				
	Gate valve shall be brass "Pegler" manufactured UK or "KITZ"-				
K11	Gate valve for 20mm pipe	4.00	nr		
K12	Gate valve for 25mm pipe	13.00	nr		
K13	Gate valve for 63mm pipe	1.00	nr		
	<b><u>Hot Water Installation</u></b>				
	Notes:				
	Hot water supply Pipes, Valves shall be as manufactured in Italy, UK, Germany, Japan, Austrailia or as approved by the Engineer.				
	Contractor shall furnish minimum 5 year comprehensive warrantee severally and jointly with the manufacturer and the supplier, for all equipments fittings and the entire installation				
K14	Supply and intallation 40 liters electric hot water geyser and all other necessary fittings and accessories complete to working order as per the Drawings and Technical Specifications.	4.00	nos		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>Distribution Pipes</u></b>				
	PPR pipe work and fittings to PN 20, including all connections and supports				
K15	20 mm Pipe work and fittings	88.00	m		
	<b><u>Waste water pipes (PVC Pipe type 600)</u></b>				
	Type 600 uPVC pipe with all necessary specials laid for internal and external waste and sewage Disposal system buried in brick walls / floor, clipped to any location / soffit or laid through ground soil where necessary. Rate shall include for necessary fittings.				
K16	40mm diameter.	16.00	ft		
K17	50mm diameter.	28.00	ft		
K18	63mm diameter.	165.00	ft		
K19	90mm diameter.	32.00	ft		
	<b><u>Kitchen water pipes (PVC Pipe type 600)</u></b>				
	HDPE PN 10 pipe with all necessary specials laid for internal and external waste and sewage Disposal system buried in brick walls / floor, clipped to any location / soffit or laid through ground soil where necessary. Rate shall include for necessary fittings.				
K20	50mm diameter.	8.00	ft		
K21	63mm diameter.	14.00	ft		
K22	75mm diameter.	54.00	ft		
K23	90mm diameter.	22.00	ft		
	<b><u>Soil pipe (PVC Pipe type 600)</u></b>				
	Type 600 uPVC pipe with all necessary specials laid for internal and external waste and sewage Disposal system buried in brick walls / floor, clipped to any location / soffit or laid through ground soil where necessary. Rate shall include for necessary fittings.				
K24	50mm diameter.	8.00	ft		
K25	63mm diameter.	16.00	ft		
K26	110mm diameter.	140.00	ft		
K27	160mm diameter.	36.00	ft		
	<b>Sub Total carried over</b>				



ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>Vent pipe (PVC Pipe type 600)</u></b>				
	Type 600 uPVC pipe with all necessary specials laid for internal and external waste and sewage Disposal system buried in brick walls / floor, clipped to any location / soffit or laid through ground soil where necessary. Rate shall include for necessary fittings.				
K28	50mm diameter.	125.00	ft		
	<b><u>uPVC Pipe Ancillaries</u></b>				
	<u>uPVC ancillaries shall be as per drawing including all connections and supports</u>				
K29	Supplying and fixing of uPVC floor drain including Stainless Steel cover with a grating.	21.00	nr		
K30	Supplying and fixing of uPVC floor clean out including Stainless Steel cover with a necessary fittings.	1.00	nr		
	<b><u>Supplying and fixing of uPVC vent cowl</u></b>				
K31	63mm diameter.	2.00	nr		
K32	110mm diameter.	2.00	nr		
	<b><u>Supplying and fixing of uPVC ceiling clean outs</u></b>				
K33	50mm diameter.	3.00	nr		
K34	63mm diameter.	12.00	nr		
K35	90mm diameter.	1.00	nr		
K36	110mm diameter.	6.00	nr		
K37	160mm diameter.	1.00	nr		
	<b><u>Sanitary fittings</u></b>				
	Rate shall include for supplying and installation of sanitary fittings with all accessories				
K38	Supplying & fixing of low level water closet (Rocell or eq) approved colour and complete with cistern, seat cover, "P" or "S" trap (as directed), WC connection, flexible connection, angle valve etc., and all other necessary fittings and accessories complete to working order as per the Drawings and Technical Specifications. (Prime cost of low level water closet - Rs 24,000.00)	14.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
K39	Supplying & fixing of approved coloured wall hang Disabled low level suite comprising ceramic pedestal pan (Rocell or eq) complete with "P" or "S" trap, plastic flush bend, plastic seat cover and seat , 2 gallon close couple ceramic concealed cistern with chromium plated brass angle valve. Rate shall include for fixing pedestal to floor with necessary screws etc. fixing ceramic cistern to wall with galvanized M.S. brackets, fixing flush pipe in wall and connecting water line and soil pipe line pipe to fittings, with foldable Grab bar & other all related accessories for Disabled toilet.	1.00	nr		
K40	Supplying & fixing of ceramic urinal with 'S' or 'P' trap outlet approved colour, complete with flushing system, all necessary specials, fittings, flexible connections and necessary water	3.00	nr		
K41	Supplying & installation of pedestal type wash basin of approved colour, complete with (Rocell or eq) water efficient <b>mixture tap</b> , angle valve, flexible connection, rubber plug and chromium plated chain waste, bottle trap fixed as including water supply and waste water connection all complete to working order. (Prime cost of vanity type wash basin - Rs.14,000.00)	4.00	nr		
K42	Supplying & installation of pedestal type wash basin of approved colour, complete with (Rocell or eq) water efficient <b>pillar tap</b> , angle valve, flexible connection, rubber plug and chromium plated chain waste, bottle trap fixed as including water supply and waste water connection all complete to working order. (Prime cost of vanity type	9.00	nr		
K43	Supply and install approved coloured ceramic Disable wash basin pedestle type(Rocell or eq) with 12mm flexible hose with chromium plated brass angle valve,mixture tap, supply combined overflow pipe, chromium plated waste outlet with plug chain and stay including fixing to basin to wall with brackets & complete with chromium plated single pillar tap & other all related accessories for Disabled toilet. (Prime cost of wash basin - 12,000.00)	1.00	nr		
K44	Supplying & installation of stainless steel kitchen Sink of approved quality, complete with tap, angle valve, flexible connection, rubber plug and chromium plated chain waste, bottle trap fixed as including water supply and waste water connection all complete to working	1.00	nr		
	<b><u>Supplying and installation of sanitary accessories</u></b>				
	Unless otherwise stated all sanitary accessories shall be chromium plated brass or Stainless Steel approved by the Architect.				
	Supplying and installation of sanitary accessories				
	Unless otherwise stated all sanitary accessories shall be chromium plated brass or Stainless Steel approved by the Architect.				
K45	Towel Rail. (Prime cost - 3,400.00)	5.00	nr		
K46	Soap Dish	5.00	nr		
K47	shower head including Hand Shower with mixture concealed Valve.	4.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
K48	shower head including Shower head with fauset Valve.	1.00	nr		
K49	Toilet Paper Roll holder(Prime cost of Toilet Paper Roll holder - Rs.3,000.00)	15.00	nr		
K50	Garden Tap (water tech or eq) shall be chrome plated or approved by the Architect/Engineer.(Prime cost of Garden Tap - Rs.1500.00)	3.00	nr		
K51	Hand bidet shower including angle valve. (Prime cost of Hand bidet shower - Rs.2,650.00)	15.00	nr		
	<b><u>Toilet Mirror</u></b>				
	Supplying & fixing of plain glass mirrors, with chromium plated clips				
K52	900mm x 600mm(Prime cost of mirror - Rs.5,000.00)	11.00	nr		
	<b><u>Builders Work</u></b>				
K53	Double seal Sewer Manhole, size 600mmx600mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and 100mm thick RCC walls, base, mass concrete filling with neat cement grout, and cast iron double seal manhole covers with lifting arrangement. Inlet and outlet connections to complete the manhole in order.	5.00	nr		
K54	Sewer Drop Manhole, size 600mmx600mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and 100mm thick RCC walls, base, mass concrete filling with neat cement grout, and cast iron double seal manhole covers with lifting arrangement. Inlet and	3.00	nr		
K55	Double seal Waste Manhole, size 600mmx600mm internally as per drawings with invert depth not exceeding 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and 100mm thick RCC walls, base, mass concrete filling with neat cement grout, and cast iron double seal manhole covers with lifting arrangement. Inlet and outlet connections to complete the manhole in order.	3.00	nr		
K56	Supplying all material and construct 450x450 mm gully trap as per detail drawing. Rate shall include for excavation & backfilling, concreting, benching, internal plastering, precast concrete cover slab with lifting handles, etc.	1.00	nr		
K57	Supplying all material and construct Grease Trap, size 1500x750mm (internally) as per detailed drawing, including concrete walls, base, cover slab, adjustable and fixed weir plates, internal plaster finish and inlet outlet connections to complete to working order	1.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>Septic Tank</u></b>				
K58	Construction of RCC Septic tank 2400mm(L) x 1200mm(W) x 1200mm(D) including excavation, backfilling, masonry work, concrete work, opening cover with lifting handles, complete with all necessary connection to working order.	1.00	nr		
	<b><u>Soakage Pit</u></b>				
K59	Supply and fixing of precast RCC Soakage pit 1800mm(Dia) x 2000mm(D) including excavation, backfilling, masonry work, concrete work, opening cover with lifting handles, complete with all necessary connection to working order.	2.00	nr		
	<b><u>Excavation for Pipes Works</u></b>				
K60	Excavation and back fill to pipe trench for normal pipe laying areas, depth not exceeding 1.0m deep as per detail drawing. (Rate shall include for screed concrete work)	470.00	ft		
	<b><u>Waste and Sewage Disposal</u></b>				
	Type 600 uPVC pipe with all necessary specials laid in trenches (Excavation & backfilling for trenches measured separatly) for external waste and sewage Disposal system.				
K61	110mm diameter.	210.00	ft		
K62	160mm diameter.	260.00	ft		
	<b><u>Stormwater drainage system</u></b>				
K63	110mm PVC rain water down pipe per drawing, buried in brick walls / floor or clipped to any location where necessary. Rate shall include for necessary fittings etc.	252.00	ft		
K64	200mm Hume pipe rain water pipe per drawing, buried in soil where necessary. Rate shall include for necessary fittings etc.	60.00	ft		
K65	Storm water manhole with grated cover , size 600x600mm internally as per drawings with invert depth minimum 900mm including excavation and back filling, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and 100mm thick RCC walls, base, mass concrete filling with neat cement grout. Inlet and outlet connections to complete the manhole in order.	3.00	nr		
K66	Storm water cantilever manhole with grated cover , size 600x600mm internally as per drawings with supporting legs, 150mm thick RCC grade 30 foundation including necessary reinforcement forming channels and 100mm thick RCC walls, base, mass concrete filling with neat cement grout. Inlet and outlet connections to complete the	1.00	nr		
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>L - FLOOR WALL AND CEILING FINISHES</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES' prior to pricing these items.		Note		
	<b>FLOOR FINISHES</b>				
L1	Supply and lay 12" x 24" semi glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in lower ground floor .(Prime cost of 12"x24" tile - 600/=)	8.00	sqr		
L2	Supply and lay 12" x 24" semi glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in upper ground floor .(Prime cost of 12"x24" tile - 600/=)	7.20	sqr		
L3	Supply and lay 12" x 24" semi glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in first floor .(Prime cost of 12"x24" tile - 600/=)	10.50	sqr		
L4	Supply and lay 12" x 24" semi glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in second floor .(Prime cost of 12"x24" tile - 600/=)	2.00	sqr		
L5	Supply and lay 12" x 24" semi glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in mazzanine floor .(Prime cost of 12"x24" tile - 600/=)	4.00	sqr		
L6	Supply and lay 12" x 24" glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in upper ground floor .(Prime cost of 12"x24" tile - 650/=)	10.50	sqr		
L7	Supply and lay 12" x 24" glazed porcelain tiles laid on and including 1/2" thk cement sand leveling screed 1:3 mix.				
	Tiles shall be fixed with approved adhesive with 3mm gap to be filled after 48 hours with approved tile grout & pointing etc.,in first floor .(Prime cost of 12"x24" tile - 650/=)	3.50	sqr		
L8	12" x 12" thk dark colour mat ceramic tile to toilets laid on and including 1/2" thick screed in cement and sand 1:3 mix in lower ground floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 12" tile - 250/=)	1.25	sqr		
L9	12" x 12" thk dark colour mat ceramic tile to toilets laid on and including 1/2" thick screed in cement and sand 1:3 mix in upper ground floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 12" tile - 250/=)	4.00	sqr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
L10	12" x 12" thk dark colour mat ceramic tile to toilets laid on and including 1/2" thick screed in cement and sand 1:3 mix in first floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 12" tile - 250/=)	5.00	sqr		
L11	12" x 12" thk dark colour mat ceramic tile to toilets laid on and including 1/2" thick screed in cement and sand 1:3 mix in second floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 12" tile - 250/=)	0.80	sqr		
L12	12" x 24" semi glazed porcelain tiles to staircase laid on (3 no of grooves) and including 1/2" thick screed in cement and sand 1:3 mix from lower ground floor to upper ground floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 24" tile-600/=)	2.00	sqr		
L13	12" x 24" semi glazed porcelain tiles to staircase laid on (3 no of grooves) and including 1/2" thick screed in cement and sand 1:3 mix from upper ground floor to first floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 24" tile-600/=)	2.50	sqr		
L14	12" x 24" semi glazed porcelain tiles to staircase laid on (3 no of grooves) and including 1/2" thick screed in cement and sand 1:3 mix from first floor to second floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 24" tile-600/=)	2.00	sqr		
L15	12" x 24" semi glazed porcelain tiles to staircase laid on (3 no of grooves) and including 1/2" thick screed in cement and sand 1:3 mix from second floor to mazzanine floor. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 24" tile-600/=)	2.00	sqr		
L16	12" x 24" semi glazed porcelain tiles to staircase laid on (3 no of grooves) and including 1/2" thick screed in cement and sand 1:3 mix from mazzanine floor to roof. Rate shall include for approved adhesive, tile grout & pointing etc (Prime cost of 12"x 24" tile-600/=)	2.00	sqr		
L17	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in lower ground floor.	4.00	sqr		
L18	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in upper ground floor.	10.50	sqr		
L19	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in first floor.	24.00	sqr		
L20	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in second floor.	42.00	sqr		
L21	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in mazzanine floor.	13.50	sqr		
L22	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish in roof slabs.	6.50	sqr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
L23	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish to staircase from lower ground floor to upper ground floor	1.00	sqr		
L24	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish to staircase from upper ground floor to first floor	2.00	sqr		
L25	3/4" tk.Cement rendering in cement sand 1:3 mix with smooth finish to staircase from first floor to second floor.(2nr)	4.00	sqr		
	<b>SKIRTING</b>				
L26	31/2" high semi glazed porcelain tile skirting in lower ground floor. (Prime cost of 12"x24" tile - 750/=)	115.00	ft		
L27	31/2" high semi glazed porcelain tile skirting in upper ground floor. (Prime cost of 12"x24" tile - 750/=)	90.00	ft		
L28	31/2" high semi glazed porcelain tile skirting in first floor. (Prime cost of 12"x24" tile - 750/=)	360.00	ft		
L29	31/2" high semi glazed porcelain tile skirting in upper second floor. (Prime cost of 12"x24" tile - 750/=)	250.00	ft		
L30	31/2" high semi glazed porcelain tile skirting in upper mazzanine floor. (Prime cost of 12"x24" tile - 750/=)	180.00	ft		
L31	31/2" high glazed porcelain tile skirting in upper ground floor. (Prime cost of 12"x24" tile - 800/=)	235.00	ft		
L32	31/2" high glazed porcelain tile skirting in first floor. (Prime cost of 12"x24" tile - 800/=)	100.00	ft		
L33	31/2" high semi glazed porcelain tile skirting to staircase from lower ground floor to upper ground floor. (Prime cost of 12"x24" tile - 750/=)	75.00	ft		
L34	31/2" high semi glazed porcelain tile skirting to staircase from upper ground floor to first floor. (Prime cost of 12"x24" tile - 750/=)	90.00	ft		
L35	31/2" high semi glazed porcelain tile skirting to staircase from first floor to second floor. (Prime cost of 12"x24" tile - 750/=)	80.00	ft		
L36	31/2" high semi glazed porcelain tile skirting to staircase from second floor to mazzanine floor. (Prime cost of 12"x24" tile - 750/=)	80.00	ft		
L37	31/2" high semi glazed porcelain tile skirting to staircase from mazzanine floor to roof. (Prime cost of 12"x24" tile - 750/=)	80.00	ft		
L38	Cement skirting in lower ground floor	140.00	ft		
L39	Cement skirting in upper ground floor	275.00	ft		
L40	Cement skirting in first floor	250.00	ft		
L41	Cement skirting in second floor	630.00	ft		
L42	Cement skirting in mazzanine floor	180.00	ft		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
L43	Cement skirting to staircase from lower ground floor to upper ground floor	25.00	ft		
L44	Cement skirting to staircase from upper ground floor to first floor.	75.00	ft		
L45	Cement skirting to staircase from first floor to second floor.(2nr)	75.00	ft		
L46	Supply and lay approved type cut pile carpet with under lay in auditorium area.(Prime Cost per sq.ft - 350/=)	30.00	sqr		
	<b>WALL FINISHES</b>				
	<b>EXTERNAL WALLS</b>				
L47	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in lower ground floor .	5.00	sqr		
L48	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in upper ground floor .	17.00	sqr		
L49	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in first floor	35.00	sqr		
L50	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in second floor	35.00	sqr		
L51	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in mazzanine floor	22.00	sqr		
L52	5/8" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns above roof.	10.00	sqr		
	<b>INTERNAL WALLS</b>				
L53	12" x 24" thk glazed wall tile up to 4' 0" high level to toilets laid on and including 1/2" thick cement and sand screed in 1:3 mix in lower ground floor. Rate shall include for approved adhesive, tile grout & pointing etc. (Prime cost of 12"x 24" tile - 700/=)	3.50	sqr		
L54	12" x 24" thk glazed wall tile up to 4' 0" high level to toilets laid on and including 1/2" thick cement and sand screed in 1:3 mix in upper ground floor. Rate shall include for approved adhesive, tile grout & pointing etc. (Prime cost of 12"x 24" tile - 700/=)	5.00	sqr		
L55	12" x 24" thk glazed wall tile up to 4' 0" high level to toilets laid on and including 1/2" thick cement and sand screed in 1:3 mix in first floor. Rate shall include for approved adhesive, tile grout & pointing etc. (Prime cost of 12"x 24" tile - 700/=)	12.00	sqr		
L56	12" x 24" thk glazed wall tile up to 4' 0" high level to toilets laid on and including 1/2" thick cement and sand screed in 1:3 mix in second floor. Rate shall include for approved adhesive, tile grout & pointing etc. (Prime cost of 12"x 24" tile - 700/=)	2.50	sqr		
L57	1/2" thick cement and sand 1:5 plaster finished rough with wood float to walls and columns in lower ground floor.	60.00	sqr		
	<b>Sub Total carried over</b>				



**TRADE TOTAL CARRIED TO SUMMARY**

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>M - PAINTING</b>				
	The contractor is requested to refer "GENERAL PREAMBLE NOTES"				
	prior to pricing these items.		Note		
	<b>Primer and paint shall be one brand and skim coat shall also be compatible with the selected brand of paint as approved by the manufacturer.</b>		Note		
	<b>EXTERNAL WALL PAINTING</b>				
M1	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns in lower ground floor with five years manufactures warranty.	5.00	sqr		
M2	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns in upper ground floor with five years manufactures warranty.	17.00	sqr		
M3	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns in first floor with five years manufactures warranty.	35.00	sqr		
M4	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns in second floor with five years manufactures warranty.	35.00	sqr		
M5	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns in mazzanine floor with five years manufactures warranty.	22.00	sqr		
M6	Prepare and apply one primer under coat and two finishing coats (or additional coats as recommended by the manufacture to achieve the warranty)of weather proof paint system to walls and columns above roof with five years manufactures warranty.	10.00	sqr		
	<b>INTERNAL</b>				
M7	Prepare surface to smooth finish with approved skim coat putty or equivalent, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns in lower ground floor.	60.00	sqr		
M8	Prepare surface to smooth finish with approved skim coat putty or equivalent, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns in upper ground floor.	71.00	sqr		
M9	Prepare surface to smooth finish with approved skim coat putty or equivalent,, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns in first floor.	125.00	sqr		
M10	Prepare surface to smooth finish with approved skim coat putty or equivalent,, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns in second floor.	100.00	sqr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
M11	Prepare surface to smooth finish with approved skim coat putty or equivalent,, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns in mazzanine floor	35.00	sqr		
M12	Prepare surface to smooth finish with approved skim coat putty or equivalent,, and apply 1 coat of primer and 2 coats of approved emulsion paint on all walls and columns above roof.	12.00	sqr		
	<b>CEILINGS</b>				
M13	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of upper ground floor slab.	45.00	sqr		
M14	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of first floor slab.	45.00	sqr		
M15	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of second floor slab.	75.00	sqr		
M16	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of mezzanine floor slab.	8.50	sqr		
M17	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of all roof slabs.	17.50	sqr		
M18	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of staircase from lower ground floor to upper ground floor.	4.00	sqr		
M19	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of staircase from upper ground floor to first floor.	5.50	sqr		
M20	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of staircase from first floor to second floor.	7.00	sqr		
M21	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of staircase from second floor to mazzanine floor.	2.50	sqr		
M22	Prepare surface to smooth finish with approved wall putty, and apply 1 coat of primer and 2 coats of approved emulsion paint to sides and soffit of staircase from mazzanine floor to roof.	2.50	sqr		
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>N- WATER PROOFING</b>				
	The contractor is requested to refer 'GENERAL PREAMBLE NOTES" prior to pricing these items.		Note		
	<b>All waterproofing works to be done by a specialist subcontractor (SP1 Category) with 10 year warranty.</b>				
	<b>FLOOR &amp; WALLS</b>				
N1	Approved type flexible cement base liquid water proofing compound applied to toilet floors(double water proofing) with 1" thick protective layer in cement and sand 1:3 mix in upper ground floor.	4.00	sqr		
N2	Approved type flexible cement base liquid water proofing compound applied to toilet floors(double water proofing) with 1" thick protective layer in cement and sand 1:3 mix in first floor.	5.00	sqr		
N3	Approved type flexible cement base liquid water proofing compound applied to toilet floors(double water proofing) with 1" thick protective layer in cement and sand 1:3 mix in second floor.	0.80	sqr		
N4	Approved type flexible cement base liquid water proofing compound applied to toilet walls with 1" thick protective layer in cement and sand 1:3 mix in lower & upper ground floor.	8.50	sqr		
N5	Approved type flexible cement base liquid water proofing compound applied to toilet walls with 1" thick protective layer in cement and sand 1:3 mix in first floor.	12.00	sqr		
N6	Approved type flexible cement base liquid water proofing compound applied to toilet walls with 1" thick protective layer in cement and sand 1:3 mix in second floor.	2.50	sqr		
N7	Approved type crystallization type water proofing (Xypex or equ)to roof slab with 1" thick protective layer in cement and sand 1:3 mix .	17.00	sqr		
N8	Approved type crystallization type water proofing (Xypex or equ)to floor slab with 1" thick protective layer in cement and sand 1:3 mix in machine room.	6.50	sqr		
N9	Approved type crystallization type water proofing (Xypex or equ)to base and walls with 1" thick protective layer in cement and sand 1:3 mix in water sump.	4.00	sqr		
N10	Approved type crystallization type water proofing (Xypex or equ)to base and walls with 1" thick protective layer in cement and sand 1:3 mix in retaining wall with lift pit.	62.00	sqr		
N11	Approved type water proofing membrane with 2" thick protection screed under raft foundation.	61.00	sqr		
N12	Supply and install Compressible filter board with approved sealant of top to edge of RCC ground slab placed against foundation.	55.00	ft		
N13	Supply and install Bitumenes protection board with approved sealant in retaining wall.	61.00	sqr		
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>P - ELECTRICAL INSTALLATION</b>				
	All materials, equipment's, wiring and workmanship shall confirm to local authority requirements, B.S Standards, latest I.E.E regulations (17th edition).		note		
	Contractor shall obtain sample approvals for all the items used in electrical Installation before commencing installation.		note		
	Contractor shall propose shop drawings/conduit layouts drawings and shall obtain approval from Consultant Engineer before commencing installation.		note		
	Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labor required to complete the electrical installation to good working order.		note		
	Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates.		note		
	Where reference is made to certain manufactures' products and items identified by registered trade marks, this has been done for the sole purpose of defining and establishing standards of quality and performance and not with the intention of restricting the procurement of material or fitting to a particular manufacturer.		note		
	Electrical Items (MCB,RCCB etc.) without and accredited agent in Sri Lanka shall not be accepted and guarantee cards (Fans etc.) should be provided from Accredited agent when necessary.		note		
	All the main feeder cables quoted below shall be on measure and pay basis.		note		
	Testing and commissioning of the electrical installation is to be carried out by the contractor and inspection report to be submitted according to the requirements of the Power Supply Authority. Cost of such testing and reports to be included in the rates. As built electrical drawing to be submitted.		note		
	Testing of the complete Electrical Installation and issuing a certificate by a chartered Electrical Engineer, registered with Ceylon Electricity Board		note		
	<b>POWER RECEIVING FROM EXISTING POWER SUPPLY.</b>				
	Electrical Contractor shall coordinate with all relevant parties in obtaining power supply connection from Power Supply Authorities.		note		
	The Contractor shall provide necessary support to CEB personal and employer in obtaining CEB power supply.		note		
P1	Allow for the authority charges relevant for Obtaining Power Supply of 60A/400V/230V/3ph/50 Hz	1.00	item		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>FEEDER CABLES</b>				
	Rates shall be included for all necessary cable accessories such as cable ties, Cable Lugs, Glands, identification tags, and accessories All horizontal and vertical Cable trays should be adequately sized to provide 40% spare space.		note		
	For Underground Cables Rates shall be included, excavation, cable laying, backfilling, warning tiles, tapes and all necessary accessories.		note		
	All Main, Medium and Sub Feeder cables shall be tagged by Aluminum tags that have the information of the cable (Identification no. , Origin, destination, Cable Size etc.)		note		
	<b>Lower Ground Floor</b>				
P2	Supply, Installation & Termination of 4C x 16 mm <sup>2</sup> , Cu/PVC/PVC Cable from <b>CEB METER</b> to <b>ATS</b> .	75.00	ft		
P3	Supply, Installation & Termination of 4C x 16 mm <sup>2</sup> , Cu/PVC/PVC + 16 mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>ATS</b> to <b>MSB</b> .	25.00	ft		
P4	Supply, Installation & Termination of 2C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6 mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>LG-DB-1</b> .	125.00	ft		
P5	Supply, Installation & Termination of 4C x 4mm <sup>2</sup> Cu/PVC/SWA/PVC + 4mm <sup>2</sup> , Cu/ PVC ( E ) Cable from <b>MSB</b> to	160.00	ft		
P6	Supply, Installation & Termination of 4C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>DB-LIFT</b> .	175.00	ft		
	<b>Upper Ground Floor</b>				
P7	Supply, Installation & Termination of 2C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>G.DB-1</b> .	135.00	ft		
	<b>FEEDER CABLES (Cont'd)</b>				
	<b>First Floor</b>				
P8	Supply, Installation & Termination of 2C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>F.DB-1</b> .	150.00	ft		
P9	Supply, Installation & Termination of 4C x 10mm <sup>2</sup> , Cu/PVC/PVC + 10mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>F.DB-2</b> .	250.00	ft		
P10	Supply, Installation & Termination of 2C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>F.DB-3</b> .	265.00	ft		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>Second Floor</u></b>				
P11	Supply, Installation & Termination of 4C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>S.DB-1</b> .	165.00	ft		
	<b><u>Mezzanine Floor</u></b>				
P12	Supply, Installation & Termination of 2C x 6mm <sup>2</sup> , Cu/PVC/PVC + 6mm <sup>2</sup> , Cu/PVC ( E ) Cable from <b>MSB</b> to <b>M.DB-1</b> .	215.00	ft		
	<b>LV DISTRIBUTION SYSTEM</b>				
	<b><u>Distribution Boards.</u></b>				
	All Distribution Boards shall be complete with powder coated steel enclosure with lockable doors.		note		
	The panel board should have wire numbering and a laminated circuit diagram pasted on the inside surface of the door.		note		
	MCB & RCCB, shall be manufactured by ABB,Schneider , F&G, Eaton or equivalent & approved by the Engineer.		note		
	Distribution Boards shall be complete with necessary protection as per the drawing.		note		
	Locations of the distribution boards shall be slightly moved for better MEP coordination's or as per the client's/architecture's requirement.		note		
	<b><u>Lower Ground Floor</u></b>				
P13	63A 4P CEB IN DB c/w ENCLOSURE	1.00	nr		
P14	Supply and installation of Main Distribution Board (MSB) Consisting of , Surge arrestors, Circuit Breakers,DPA,EFR .....etc & all the mounting & supporting accessories etc. as per the drawings and specifications.	1.00	nr		
P15	LG. DB-1	1.00	nr		
P16	DB-WP	1.00	nr		
	<b>LV DISTRIBUTION SYSTEM (Cont'd)</b>				
	<b><u>Upper Ground Floor</u></b>				
P17	G.DB-1	1.00	nr		
	<b><u>First Floor</u></b>				
P18	F.DB-1	1.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
P19	F.DB-2	1.00	nr		
P20	F.DB-3	1.00	nr		
	<b><u>Second Floor</u></b>				
P21	S.DB-1	1.00	nr		
	<b><u>Mezzanine Floor</u></b>				
P22	M.DB-1	1.00	nr		
	<b><u>Roof Floor</u></b>				
P23	LIFT-DB-1	1.00	nr		
	<b>WIRING OF LIGHT POINTS AND SOCKET OUTLETS</b>				
	Rate point wiring shall include for all the conduits, conduit fittings, casings, surface cable trunks, fixing material, switches, wiring and terminations, holders for light fittings, ceiling roses, flexible codes and socket outlets for power points. Contractor shall obtain approvals from the Consultant Electrical Engineer for above items		note		
	As a standard of quality for switches and socket outlets, the contractor may use ORANGE or approved equal'.		note		
	Installation positions of the switches, socket outlets and isolators indicated in the drawings are approximate only. Electrical Contractor shall coordinate with the Architect, client and other contractors to identify the exact positions .		note		
	Galvanized steel conduits shall be used for exposed installations in machine rooms and car parks where mechanical damages can occur. Galvanized flexible conduits will be used for terminating all connections to motors and vibrating equipment.		note		
	All outdoor switchers shall be weather proof type switchers.		note		
	<b><u>Lower Ground Floor</u></b>				
P24	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	50.00	nr		
	<b><u>Upper Ground Floor</u></b>				
P25	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	40.00	nr		
	<b>Sub Total carried over</b>				



ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>First Floor</u></b>				
	P26P+B2527				
P26	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	96.00	nr		
	<b><u>Second Floor</u></b>				
P27	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	103.00	nr		
	<b><u>Mezzanine Floor</u></b>				
P28	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	22.00	nr		
	<b><u>Roof Floor</u></b>				
P29	Wiring of light points/Fan Point & Exit Sign Board from the respective consumer unit using 2 x 1.5mm <sup>2</sup> Cu/PVC/PVC + 2.5mm <sup>2</sup> Cu/PVC(E) cable drawn through securely fixed concealed PVC conduit with 10A flush switch as shown in layout drawings.	2.00	nr		
	<b><u>SUPPLY AND INSTALLATION OF LIGHT FITTINGS</u></b>				
	<u>Each fitting shall include bulbs, internal wiring, hanging and fixing material and be complete without any additional item/material being required to make it so.</u>				
	<b><u>Lower Ground Floor</u></b>				
P30	Supply & Installation of 9W LED External Wall Bracket Lamp c/w electronic driver.	9.00	nr		
P31	Supply & Installation of 4W LED Surface Mounted Lamp c/w electronic driver.	18.00	nr		
P32	Supply & Installation of 15W LED Internal Wall Bracket Lamp c/w electronic driver.	8.00	nr		
P33	Supply & Installation of 9W LED Internal Wall Bracket Lamp c/w electronic driver.	1.00	nr		
P34	Supply & Installation of 5W LED Surface Mounted Lamp c/w electronic driver.	7.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
P35	Supply & Installation of 9W LED Surface Mounted Lamp c/w electronic driver.	1.00	nr		
P36	Supply & Installation of 7W LED Mirror Lamp c/w electronic driver.	2.00	nr		
P37	Supply & Installation of 1400mm Sweep Ceiling Fan.	2.00	nr		
	<b>Upper Ground Floor</b>				
P38	Supply & Installation of 15W LED Internal Wall Bracket Lamp c/w electronic driver.	3.00	nr		
P39	Supply & Installation of 7W LED Internal Wall Bracket Lamp c/w electronic driver.	9.00	nr		
P40	Supply & Installation of 5W LED Surface Mounted Lamp c/w electronic driver.	13.00	nr		
	<b>Upper Ground Floor</b>				
P41	Supply & Installation of 6W LED Surface Mounted Lamp c/w electronic driver.	3.00	nr		
P42	Supply & Installation of 9W LED Surface Mounted Lamp c/w electronic driver.	3.00	nr		
P43	Supply & Installation of 7W LED Mirror Lamp c/w electronic driver.	3.00	nr		
P44	Supply & Installation of 1400mm Sweep Ceiling Fan.	3.00	nr		
	<b>First Floor</b>				
P45	Supply & Installation of 36W LED Panel Lamp c/w electronic driver.	4.00	nr		
P46	Supply & Installation of 9W LED Pendant Mounted Lamp c/w electronic driver.	32.00	nr		
P47	Supply & Installation of 5W LED Surface Mounted Lamp c/w electronic driver.	12.00	nr		
P48	Supply & Installation of 9W LED Surface Mounted Lamp c/w electronic driver.	8.00	nr		
P49	Supply & Installation of 15W LED Internal Wall Bracket Lamp c/w electronic driver.	4.00	nr		
P50	Supply & Installation of 9W LED Internal Wall Bracket Lamp c/w electronic driver.	2.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
P51	Supply & Installation of 7W LED Internal Wall Bracket Lamp c/w electronic driver.	4.00	nr		
P52	Supply & Installation of 7W LED Mirror Lamp c/w electronic driver.	3.00	nr		
P53	Supply & Installation of 1400mm Sweep Ceiling Fan.	23.00	nr		
	<b>Second Floor</b>				
P54	Supply & Installation of 12W LED Surface Mounted Lamp c/w electronic driver.	16.00	nr		
P55	Supply & Installation of 25W LED Surface Mounted Lamp c/w electronic driver.	32.00	nr		
P56	Supply & Installation of 30W LED Surface Mounted Lamp c/w electronic driver.	6.00	nr		
P57	Supply & Installation of 5W LED Surface Mounted Lamp c/w electronic driver.	19.00	nr		
P58	Supply & Installation of 10W LED Surface Mounted Lamp c/w electronic driver.	6.00	nr		
P59	Supply & Installation of 15W LED Internal Wall Bracket Lamp c/w electronic driver.	3.00	nr		
P60	Supply & Installation of 9W LED Surface Mounted Lamp c/w electronic driver.	2.00	nr		
P61	Supply & Installation of 7W LED Mirror Lamp c/w electronic driver.	2.00	nr		
P62	Supply & Installation of 2 x 10W LED Track Mounted Lamp c/w electronic driver.	7.00	nr		
P63	Supply & Installation Industrial type wall fan	12.00	nr		
	<b>Mezzanine Floor</b>				
P64	Supply & Installation of 12W LED Surface Mounted Lamp c/w electronic driver.	16.00	nr		
P65	Supply & Installation of 5W LED Surface Mounted Lamp c/w electronic driver.	6.00	nr		
	<b>Roof Floor</b>				
P66	Supply & Installation of 15W LED Internal Wall Bracket Lamp c/w electronic driver.	2.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b>WIRING FOR SOCKET OUTLETS &amp; ISOLATORS</b>				
	<u>Rate point wiring shall include for all the conduits, conduit fittings, casings, surface cable trunks, fixing material, switches, wiring and terminations, holders for light fittings and socket outlets for power points. Contractor shall obtain approvals from the Consultant</u>				
	<b><u>Lower Ground Floor</u></b>				
P67	Supply and Installation of 13A Single switched socket outlet fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	7.00	nr		
	<b><u>Upper Ground Floor</u></b>				
P68	Supply and Installation of 13A Single switched socket outlet fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	20.00	nr		
	<b><u>First Floor</u></b>				
P69	Supply and Installation of 13A Single switched socket outlet fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	25.00	nr		
	<b><u>Second Floor</u></b>				
P70	Supply and Installation of 13A Single switched socket outlet for industrial wall fan fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	12.00	nr		
P71	Supply and Installation of 13A Single switched socket outlet fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	15.00	nr		
	<b><u>Mezzanine Floor</u></b>				
P72	Supply and Installation of 13A Single switched socket outlet for industrial wall fan fixed on wall, wired in <b>ring</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	5.00	nr		
	<b>Sub Total carried over</b>				

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				
	<b><u>Roof Floor</u></b>				
P73	Supply and Installation of 13A Single switched socket outlet for industrial wall fan fixed on wall, wired in <b>radial</b> circuit from the respective Consumer Unit using 2 x 2.5mm <sup>2</sup> Cu/PVC/PVC cable with 2.5 mm <sup>2</sup> Cu/PVC(E) earth wire as shown in layout drawings.	1.00	nr		
	<b>CABLE TRAYS &amp; LADDER</b>				
	<u>Supply and installation of perforated cable trays with bends, joints, mounting brackets and all required accessories complete with perforated cover.</u>				
	<u>All the cables trays, ladders quoted below shall be on measure and pay basis.</u>				
P74	Supply and installation of 100 x75mm single Compartment Powder coated Cable Tray with all necessary accessories as shown in the	225.00	ft		
P75	Supply and installation of 300x75mm single Compartment Powder coated Perforated Cable Tray with all necessary accessories as shown in the drawing.	135.00	ft		
P76	Supply and installation of 300mm heavy duty Hot dipped galvanized Cable Ladder clamps, and fixing brackets with all accessories(For	50.00	ft		
P77	Supply and installation of 200mm heavy duty Hot dipped galvanized Cable Ladder clamps, and fixing brackets with all accessories(For ELV)	50.00	ft		
	<b>MECHANICAL VENTILATION</b>				
	<b><u>Exhaust Fans</u></b>				
	<u>Note : All fans shall be complete with flexible connectors, hangers, mountings, vibration isolators, duct collars etc.</u>				
P78	Supply and installation of duct mounted axial flow exhaust fan (EXF) with capacity of 400 CFM at 50Pa . Rate shall include for all fixtures and fittings required for complete fan installation.	3.00	nr		
P79	Supply and installation of ceiling mounted axial flow type exhaust fan capacity of 100CFM at 40Pa with in built backdraft shutter . Rate shall include for all fixtures and fittings required for complete fan installation	3.00	nr		
P80	Supply and installation of ceiling mounted axial flow type exhaust fan capacity of 100CFM at 40Pa. Rate shall include for all fixtures and fittings required for complete fan installation	2.00	nr		
	<b>Sub Total carried over</b>				

53

54

**TRADE TOTAL CARRIED TO SUMMARY**



ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>T - FIRE PROTECTION SYSTEM</b>				
	<b><u>Fire Exit Sign Boards</u></b>				
T1	Supply and installation of a ceiling mounted maintained type Exit Sign Luminaire with pictogram <b>on single side</b> and 8W fluorescent tube comprising Ni-Cd battery for two-hour duration complete with necessary fixing materials.	1.00	nr		
T2	Supply and installation of a ceiling mounted maintained type Exit Sign Luminaire with pictogram <b>on both side</b> and 8W fluorescent tube comprising Ni-Cd battery for two-hour duration complete with necessary fixing materials.	8.00	nr		
	<b><u>Fire Protection System</u></b>				
	<b>Note:</b>				
	<u>For the full description of scope, materials and workmanship refer Technical Specification</u>				
	<u>All materials, equipments, wiring and workmanship shall confirm to local codes of specifications, B.S Standards and local authority</u>				
	<u>Contractor shall investigate the site conditions before submitting the</u>				
	<u>All the pipe supports/ brackets shall be hot dipped galvanized from a reputed company.</u>				
	<b><u>Portable Fire Extinguishers</u></b>				
T3	2 Kg CO2 portable fire extinguisher fully charged complete with metal bracket fixed on to the wall at the location shown in the drawings / keep in the Fire Hose Reel Cabinet at the each floor.	10.00	nr		
T4	9 Litre water/CO2 portable fire extinguisher fully charged complete with metal bracket fixed on to wall at the locations shown in the drawings / keep in the Fire Hose Reel Cabinet at the each floor..	9.00	nr		
T5	6 kg ABC dry powder portable fire extinguisher fully charged complete with metal bracket fixed on to wall at the locations shown in the drawings.	13.00	nr		
T6	5 Kg CO2 portable fire extinguisher fully charged complete with metal bracket fixed on to the wall at the location shown in the drawings / keep in the Fire Hose Reel Cabinet at the each floor.	1.00	nr		
T7	50 kg Foam portable fire extinguisher with trolley at the locations shown in the drawings.	1.00	nr		
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				


57

58

59

60

61

ITEM	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	<b>Sub Total brought forward</b>				<b>7,159,695.00</b>
U1.10.	<b>Dressing Room Furniture ( For 2 Rooms )</b>	Pro.Sum			114,000.00
U1.10.1	Dressing Table Type <b>DT1</b> & Stool Type <b>CH3</b>				
	Dressing table size 2'x4' made out of timber veneer board, two drawers with a mirror along with the stool size 1'6"x1'3" as per the image <b>DT1 &amp; CH3.</b>				
					
	( Model no. KDO 001 - Damro or equ:)				
	Price Rs. 36,475.00				
	Stool - Price Rs. 3,475.00				
U1.10.2	Steel Cupboard Type <b>C2</b>				
					
	Powder coated steel cup board size 1'6" x 4' x 4' with two doors, drawers as per image <b>C2.</b>				
	Price Rs. 13,275.00 (Damro or equ:)				
U1.10.3	Chair Type <b>CH5</b>				
					
	Plastic chair with two hand rest as per image <b>CH5.</b>				
	(Model no. DRWA002 Damro or equ:)				
	Price Rs. 3,560.00				
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				<b>7,273,695.00</b>
	<b>U.2 - CURTAINS</b>				
U.2.1	Supply and install Curtains for Stage and windowos	Pro.Sum			2,000,000.00
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				<b>2,000,000.00</b>
	<b>U.3 - SOUND SYSTEM &amp; LIGHTING</b>				
U.3.1	Supply and Install digital speakers with sarounding pipe musical and heave baparing system, 16 chanel mixture and wirles microphones system.	Pro.Sum			2,000,000.00
	<b>TRADE TOTAL CARRIED TO SUMMARY</b>				<b>2,000,000.00</b>

63



[illegible]

**SUMMARY**

	Description	Amount (Rs. )
	A - PRELIMINARIES	
	B - EXCAVATOR	
	C - CONCRETOR	
	D - MASONRY WORK	
	E - BRICK WORK	
	F - METAL WORKS	
	G - CARPENTRY AND JOINARY	
	H- ROOF AND ROOF PLUMBING	
	J -STRUCTURAL STEEL	
	K - PLUMBING WORK	
	L - FLOOR WALL AND CEILING FINISHES	
	M - PAINTING	
	N- WATER PROOFING	
	P - ELECTRICAL INSTALATION	
	R - EXTERNAL WORK	
	S - LIGHTNING PROTECTION SYSTEM	
	T - FIRE PROTECTION SYSTEM	
	U - PROVISIONAL SUM	14,273,695.00
	<b>TOTAL COST</b>	

[illegible]

**V.2- DAY WORK SCHEDULE - MATERIALS**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1	Ordinary Portland Cement	Bags	10.00		
2	Mild Steel Reinforcing Bars	ton	0.25		
3	Deformed / Ribbed / Tor Steel Reinforcing Bars	ton	0.25		
4	Structural Mild Steel Sections ( Angels/ Channels)	ton	0.25		
5	Concrete Aggregate -20mm graded	m <sup>3</sup>	1.00		
6	Concrete Aggregate – 35mm graded	m <sup>3</sup>	1.00		
7	Concrete Fine Aggregate – River Sand	m <sup>3</sup>	1.00		
8	Burnt Clay Bricks – Standard Size	No	500		
9	Rubble /Broken Stone – 150mm to 225mm Size	m <sup>3</sup>	5.00		
10	5mm Thick Clear Float Glass	m <sup>2</sup>	5.00		
11	Emulsion Paints	Ltr	15.00		
12	Enamel Paints	Ltr	15.00		
13	Anti Corrosive Paint	Ltr	5.00		
14	MDF board (1" and 3/4" thk)	nr	10.00		
15	Toughen Glass (8mm,12mm thk)	m <sup>2</sup>	10.00		
16	Gypsum board (12mm thk)	nr	5.00		
17	3' x 6' polished tile	nr	5.00		
18	Flame finish Granite	nr	5.00		
19	Mineral fiber board	nr	5.00		
	<b>Allow ..... % as Contractor's Profit and Overheads.</b>				
	<b>TOTAL (Carried to summary – Item V)</b>				

**V.3- DAY WORK SCHEDULE - PLANTS**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1	3 Ton Truck with Driver with Fuel and Lubricants	8 hour day	0.50		
2	Farm Tractor /Trailer with Operator with fuel and Lubricants	8 hour day	0.50		
3	Wheel Tractor with front end half cubic meter power shovel or back hoe/ tractor half cubic meter bucket with Operator, Fuel and Lubricants complete	8 hour day	0.50		
4	Concrete Mixer (state capacity ) with Operator with Fuel and Lubricants	8 hour day	0.50		
5	Porker Vibrator – 50mm Size – with Operator only	8 hour day	0.50		
6	Poker Vibrator – 35mm Size – with Operator only	8 hour day	0.50		
7	Standby Generator Set ( state capacity) with Operator only	8 hour day	0.50		
8	2 Ton Vibratory Roller with Operator, Fuel and Lubricants	8 hour day	0.50		
	<b>Allow ..... % as Contractor's Profit and Overheads.</b>				
	<b>TOTAL (Carried to summary – Item V)</b>				

SUMMARY - V				
V.1 - DAY WORK - LABOUR				
V.2 - DAY WORK - MATERIALS				
V.3 - DAY WORK - PLANTS				
TRADE TOTAL CARRIED TO SUMMARY				

	<u>MAIN SUMMARY</u>			
	A - PRELIMINARIES		Rs.	
	B - EXCAVATOR		Rs.	
	C - CONCRETOR		Rs.	
	D - MASONRY WORK		Rs.	
	E - BRICK WORK		Rs.	
	F - METAL WORKS		Rs.	
	G - CARPENTRY AND JOINARY		Rs.	
	H - ROOF AND ROOF PLUMBING		Rs.	
	J -STRUCTURAL STEEL		Rs.	
	K - PLUMBING WORK		Rs.	
	L - FLOOR WALL AND CEILING FINISHES		Rs.	
	M - PAINTING		Rs.	
	N- WATER PROOFING		Rs.	
	P - ELECTRICAL INSTALLATION		Rs.	
	R - EXTERNAL WORK		Rs.	
	S - LIGHTNING PROTECTION SYSTEM		Rs.	
	T - FIRE PROTECTION SYSTEM		Rs.	
	U - PROVISIONAL SUM			
	V - DAY WORKS		Rs.	
	<b>SUB TOTAL - 01</b>			
	Ddt - Preliminaries and Provisional Sum			
	<b>SUB TOTAL - 02</b>			
	Ddt - Discount (if any)			
	<b>SUB TOTAL - 03</b>			
	Add - Preliminaries and Provisional Sums			
	<b>SUB TOTAL - 04</b>			
	5% OF CONTINGENSIS		Rs.	
	<b>GRAND TOTAL Carried to form of bid (EXCLUDING VAT)</b>		Rs.	
	15% VAT		Rs.	
	<b>TOTAL WITH VAT</b>		Rs.	

	Bidder's VAT registration No.....
	Bid Amount (excluding VAT) in words: Sri Lanka Rupees..... .....
	Name of Bidder.....
	Address..... .....
	Signature and seal:
	Witnesses:-
	1. Signature: ..... Name:..... Address..... .....