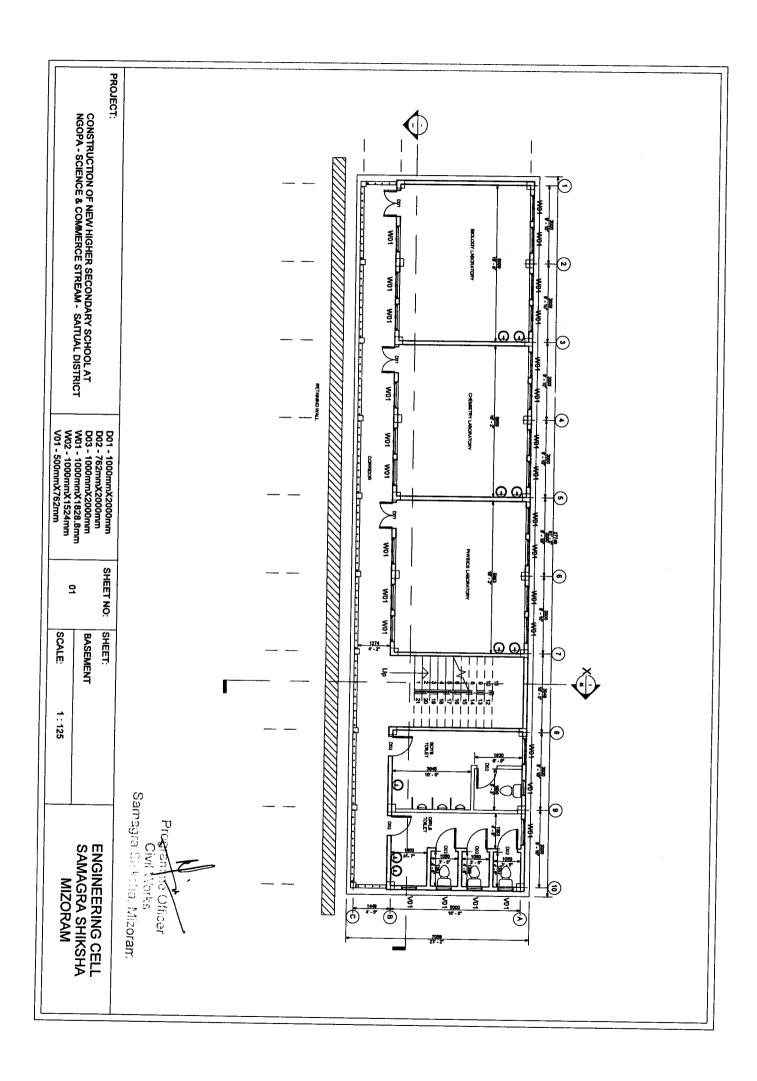
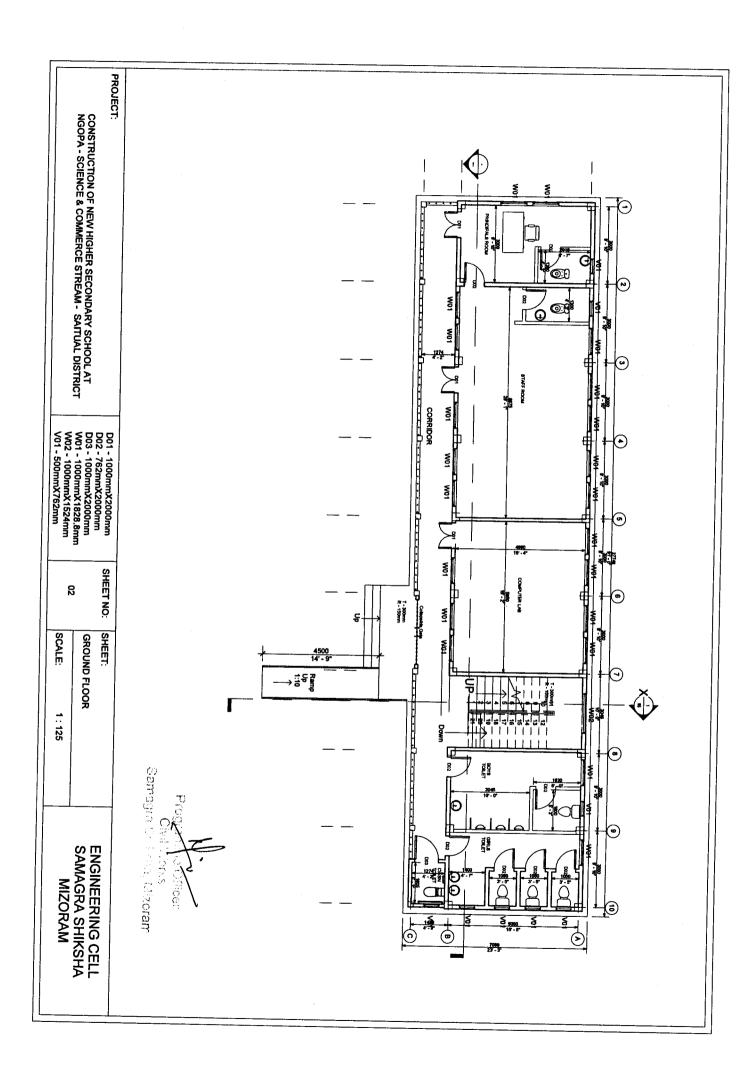
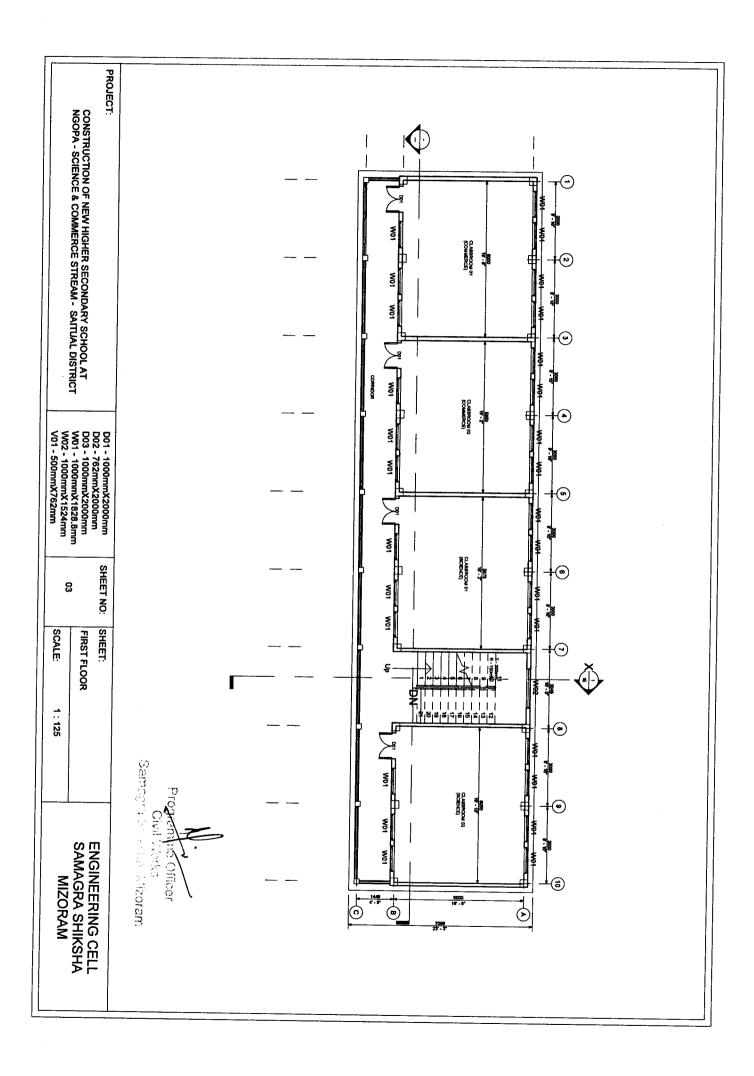
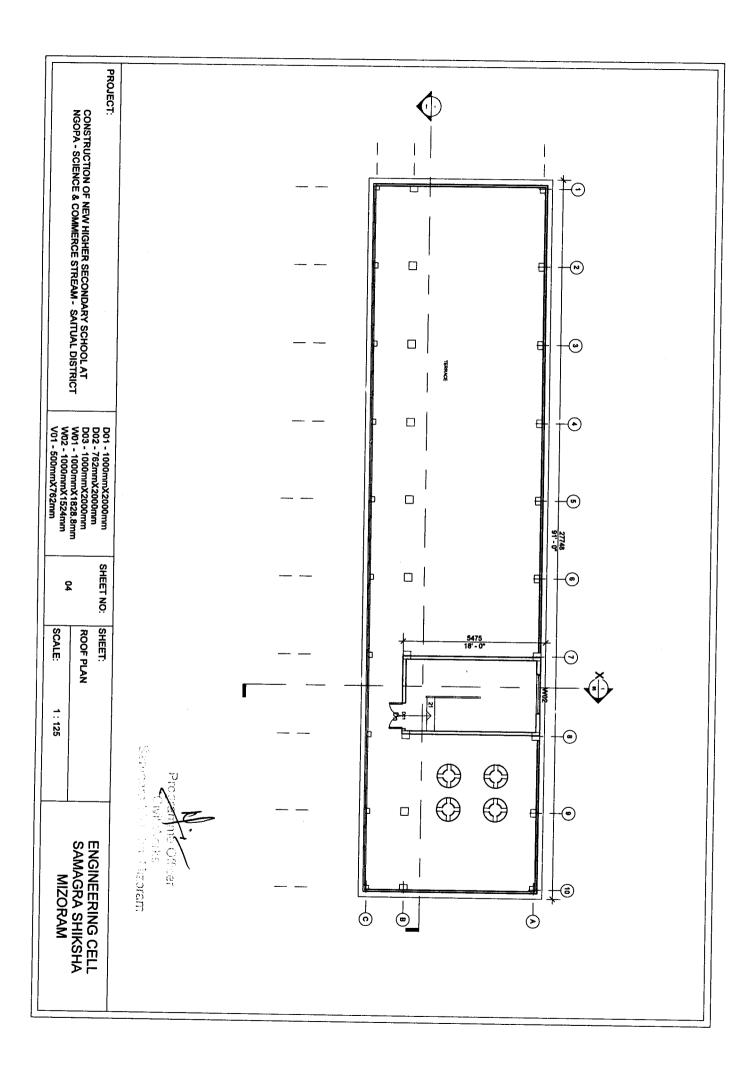
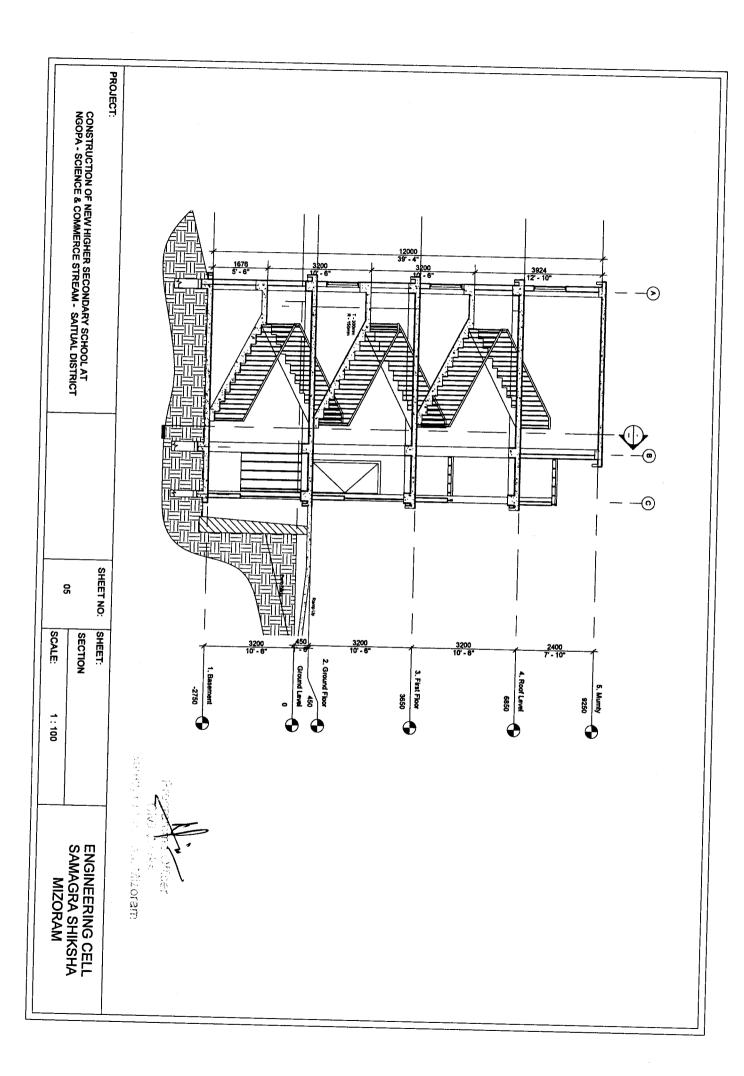
SCIENCE & COMMERCE STREAM AT SAITUAL NGOPA HIGHER SECONDARY SCHOOL-CONSTRUCTION OF DISTRICT

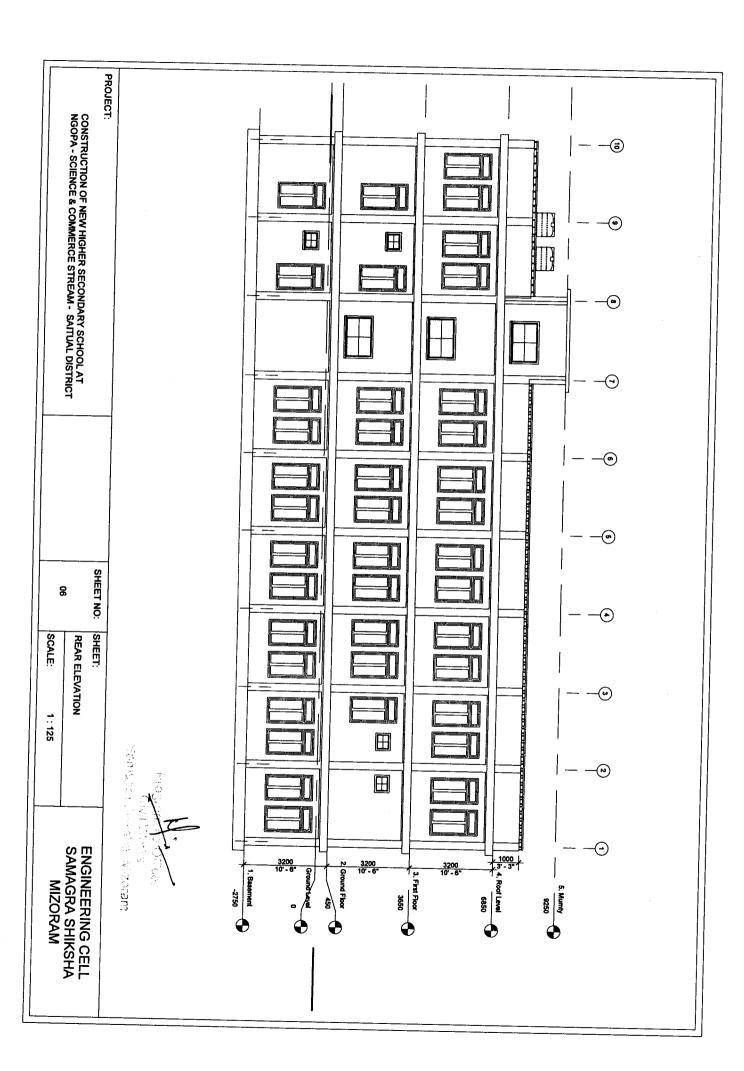


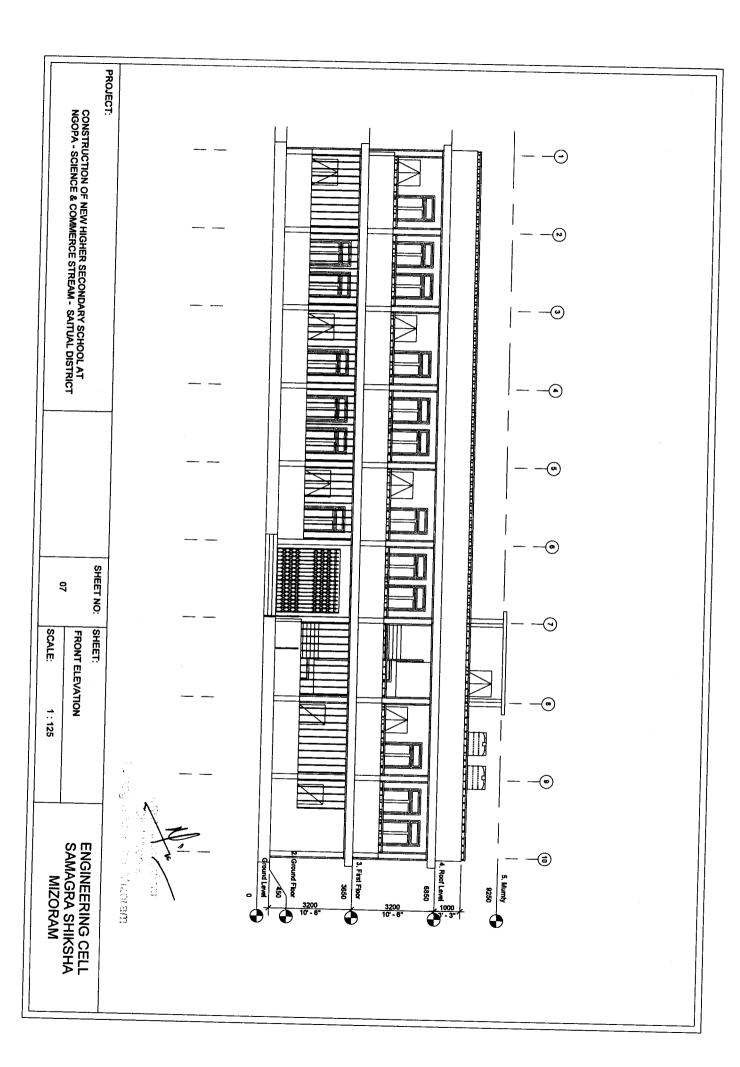


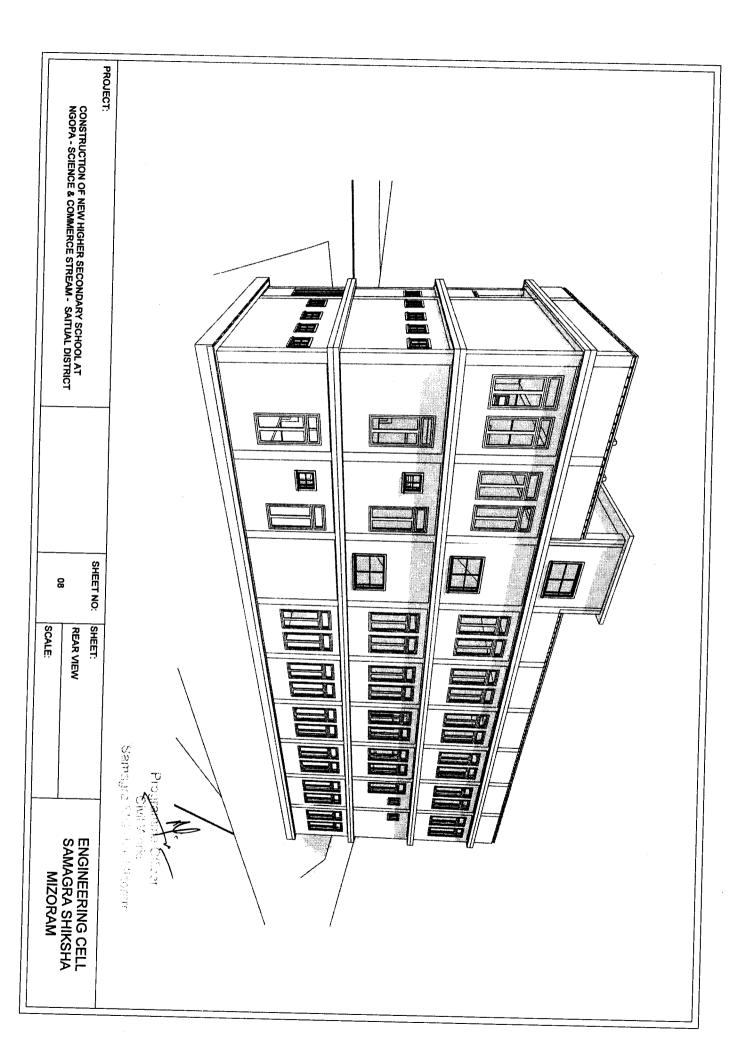




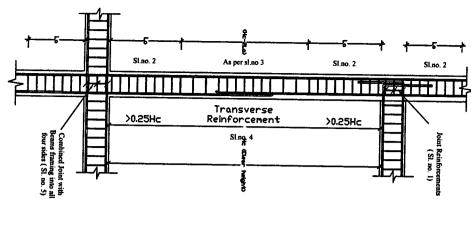




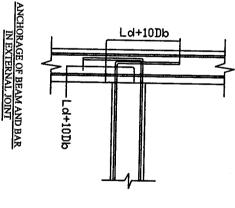


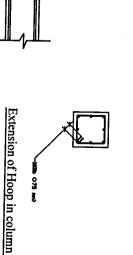


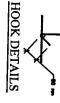
PROJECT: CONSTRUCTION OF NEW HIGHER SECONDARY SCHOOL AT NGOPA - SCIENCE & COMMERCE STREAM - SAITUAL DISTRICT SHEET NO: 8 SHEET SCALE: FRONT VIEW Civ. Works Civ. Works ENGINEERING CELL SAMAGRA SHIKSHA MIZORAM



- Sl.No 2 within the joint provided wih special confining steel with a spacing equal to 1. Joint which has beam framing into one/two sides shall be
- shall not exceed 1/4 of minimum member dimension but need not side of any section where flexural yielding may occur under the be less than 75mm nor more than 100mm. a). Larger lateral dimension of the member at the section where effect of earthquake forces. The length 'Lo' shall not be less than 450mm. The spacing of hoops used as special confining steel yielding occurs. b). 1/6 of the clear span of the member. c). length 'Lo' from each joint face, twoards mid span and on either Special Confining Reinforcements shall be provided over a
- confining reinforcements is provided for splice. the least lateral dimension of the column, ecept where special The spacing of hoops within 'Hc-2Lo' shall not exceed half
- Lap length shall be 69 thimes the diameter of longitudinal
- the hoint shall not exceed 150mm. required at the end of the column. The spacing of the hoop within provided with a spacing double the special confining steel A Joint which has beams framing into all four faces shall be
- point where two different types of beam meet 6. Beam with higher reinforcement should be adopted at the









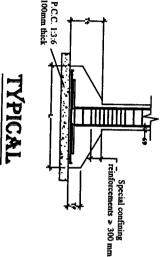
DESIGNED BY:

Ld = Devlopment length in tension LAP SPLICE IN BEAM

Db = Bar diameter

(Er. DENNIS LAL HI ::

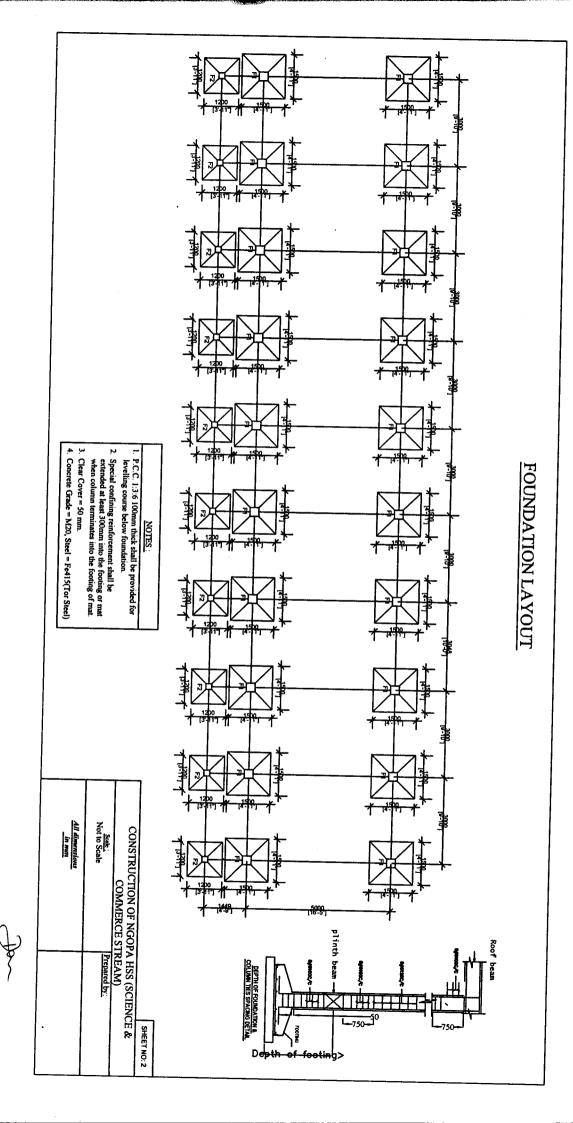
Samagra Shiksha, Mizoram State Project English Civil Works ع



FOUNDATION

Column and joint detailing

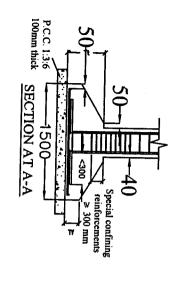
FOR STRUCTURAL DETAILS CONSTRUCTION OF NGOPA HSS (SCIENCE & GENERAL SPECIFICATIONS COMMERCE STREAM) NTS SCALE: ALL DIMENSIONS ARE IN DRAWING S O <u>S</u>

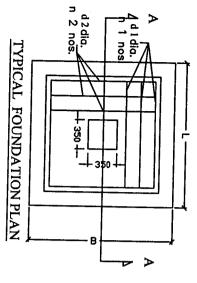


(Er. DENNIS LALHLES A State Project Engines: Civil Works Samagra Shiksha, Mizoram

B

FOUNDATION DETAILS





NOTES:

- 1. P.C.C. 1:3:6 100mm thick shall be provided for levelling course below foundation.
- Special confining reinforcement shall be extended at least 300mm into the footing or mat when column terminates into the footing of mat.
- 3. Clear Cover = 50 mm.
- 4. Concrete Grade = M20, Steel = Fe415(Tor Steel)

۲		,-		_			
1.6	F3	4.4	편			Type of Footing:	
1200 X 1200	00C1 A 00C1	1000 A 1000	1500 V 1500	LXD	I ~ D	Dimensions:	J
150		150			-	7	
300		300				į	
12 mm		12 mm		d I dia		l L Dir	
12	;	15		n i noe		L Direction ·	
12 mm	12 111111	13 mm	7 n 'v	2 2 2	ייים מ	B Direction	
12	5	15	n 2 nos.	3	ection:	Portion .	

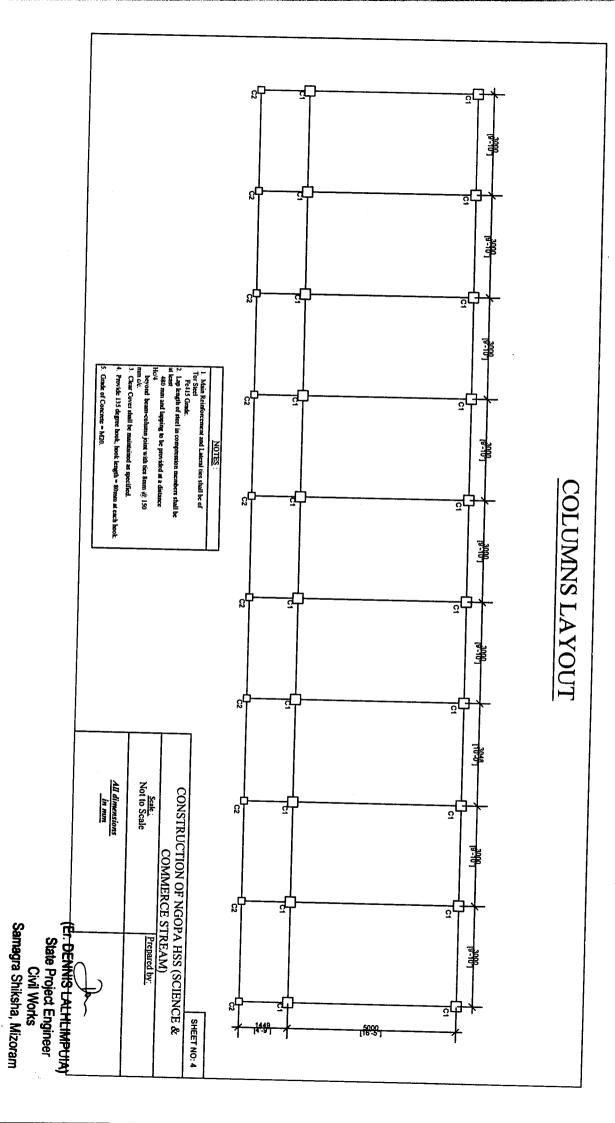
CONSTRUCTION OF NGOPA HSS (SCIENCE &	SHEET NO: 3

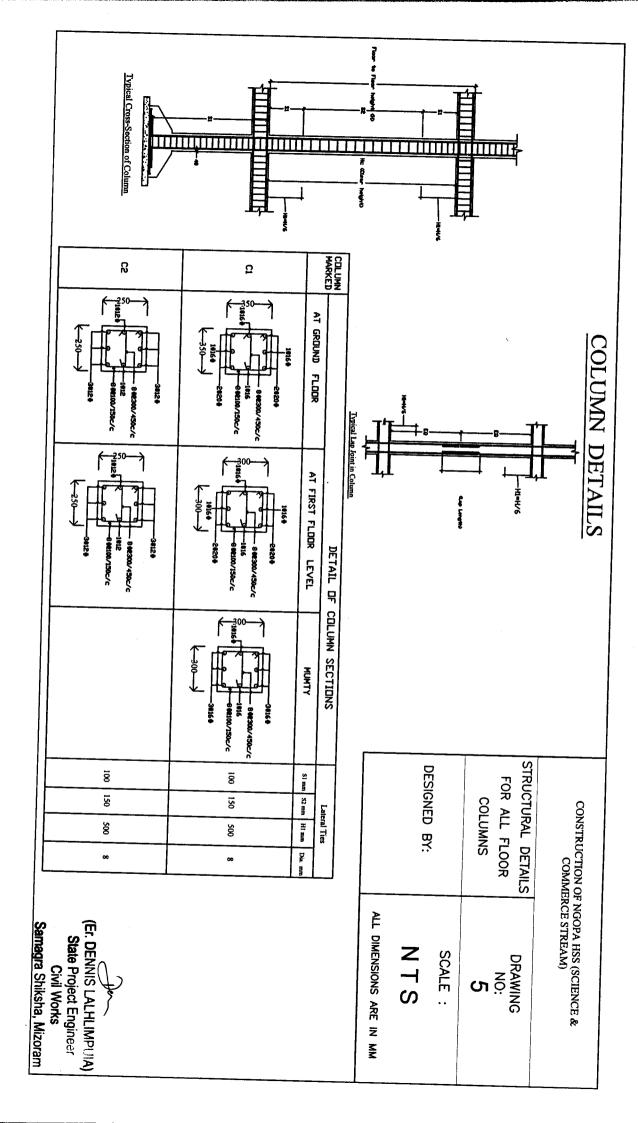
COMMERCE STREAM)

Not to Scale

All dimensions
in min

Samagra Shiksha, Mizoram

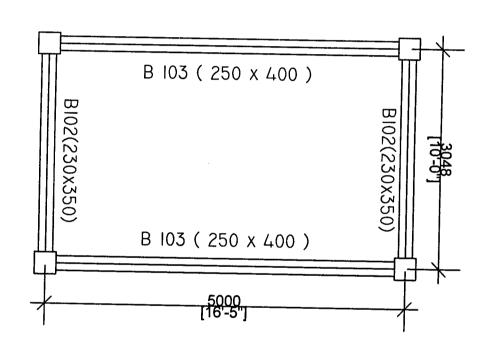




B104(250x400) B 103 (250 x 400) BI0I(230x350) B 103 (250 x 400) BI01(230x350) B104(250x410) B 103 (250 x 400) BIOI(230x350) (5) BIOI(230x350) (7) BIO4(250x350) BI0I(230x350) B 103 (250 x 400) DETAILS OF BEAM BI0I(230x350) B104(250x410) B 103 (250 x 400) BI0I(230x350) B 103 (250 x 400) BI0I(230x350) B104(250x410) B 103 (250 x 400) Bi02(230x350)6 4 Bi02(230x350)8 BI02(230x350) All dimensions in mm Scale: Not to Scale B 103 (250 x 400) CONSTRUCTION OF NGOPA HSS (SCIENCE & COMMERCE STREAM) BI0I(230x350) B 103 (250 x 400) BI0I(230x350) B 103 (250 x 400) SHEET NO: 6

(Er. DÈNNIS LALHLIMPUIA)
State Project Engineer
Civil Works

DETAILS OF MUMTY BEAM



CONSTRUCTION OF NGOPA HSS (SCIENCE & COMMERCE STREAM)

SHEET NO: 7

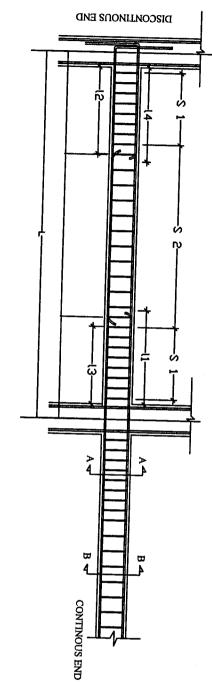
Prepared by:

(Er. DENNIS LALHLING 'A) State Project Engineer
Civil Works

All dimensions in mm

Scale: Not to Scale

TYPICAL LONG SECTION OF BEAM



LAP SPLICE IN BEAM

Ld = Devlopment length in tension
Db = Bar diameter

- S1 = Spacing of stirrups for a length of 2d S2 = Spacing of stirrups in the mid-span Ld = development length of bar in tension L = Length of beam (C/C of column)

Typical long section of beam

B 104	B 103	B 102	B 101	Type of Beam :
250 x 400	250 x 400	230 x 350	230 x 350	Dimensions : (mm)
4#16+	200 4#16 +	3#164	3#164	Section at A-A
2#16+	2#16+	2#16+	2#16.	Section at B-B
1449	5000	3048	3000	(FE
430	1500	920	98	() () ()
2200	750	460	450	(S. C. S. C.
360	1250	760	760	in α ω
290	1000	600	600	- E
Sam din Tor sheel, 2 legged, 9 100 mm c/c	Street din. Tor steet, 2 leggest. 9 100 mm c/c	Sam dis. Tor steel, 2 legged, g 100 mm c/c	Snm da. Tor steel, 2 legged. 9 100 mm c/c	\$ 1
Seem die. Tor stori, 2 legged, 9 150 mm c/c	Steen dia. Tor sheel, 2 legged, 9 150 nm c/c	Sana dia. Tor steel, 2 legged, e 150 mm c/c	Seam dia. Tor steel, 2 legged 9 150 mm c/c	SP

SPECIFICATIONS

- Clear Cover for Beam = 25mm.
- Grade of Concrete = M 20

Grade of Steel = Fe 415

- 4. The first hoop shall be at a distance not exceeding 50mm from the joint face.
- Minimum Curing Period = 28 days
- of beam meet. adopted at the point where two different types 6. Beam with higher reinforcement should be

(Er. DENNIS LALHLIN

State Project Engine Civil Works Ď

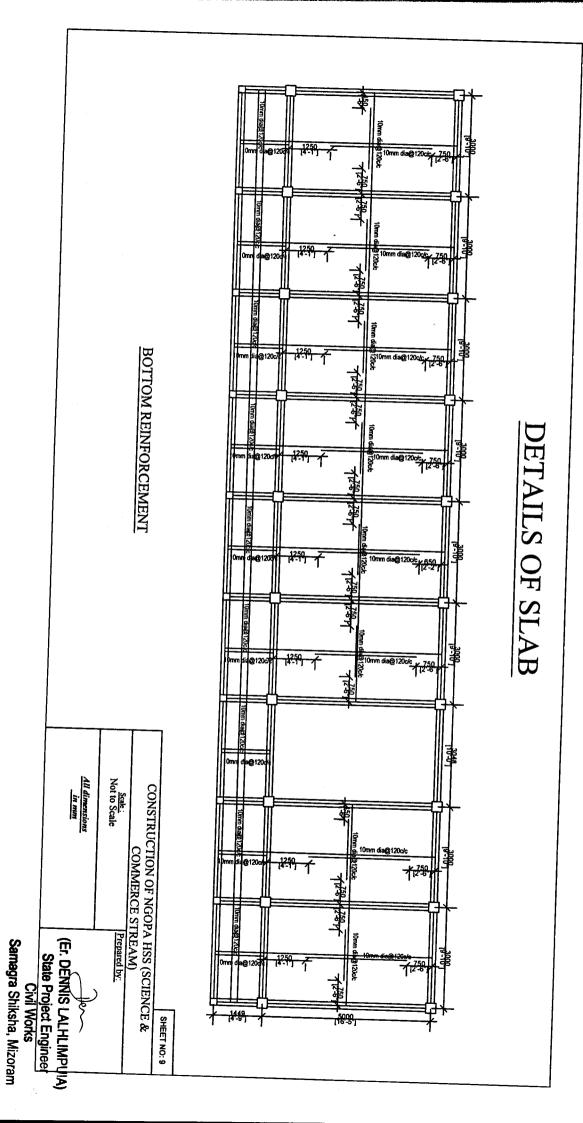
Samagra Shiksha, Mizoram

SHEET NO: 8

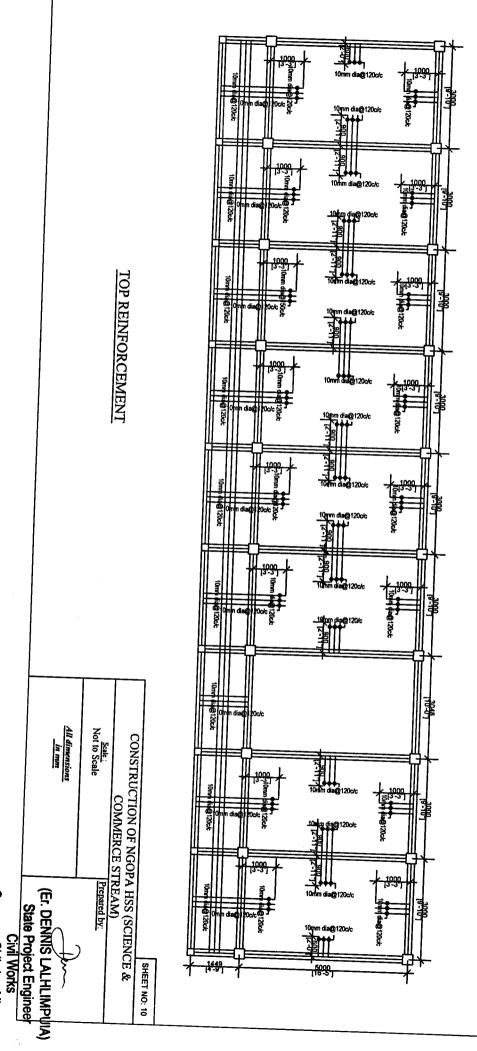
CONSTRUCTION OF NGOPA HSS (SCIENCE & COMMERCE STREAM)

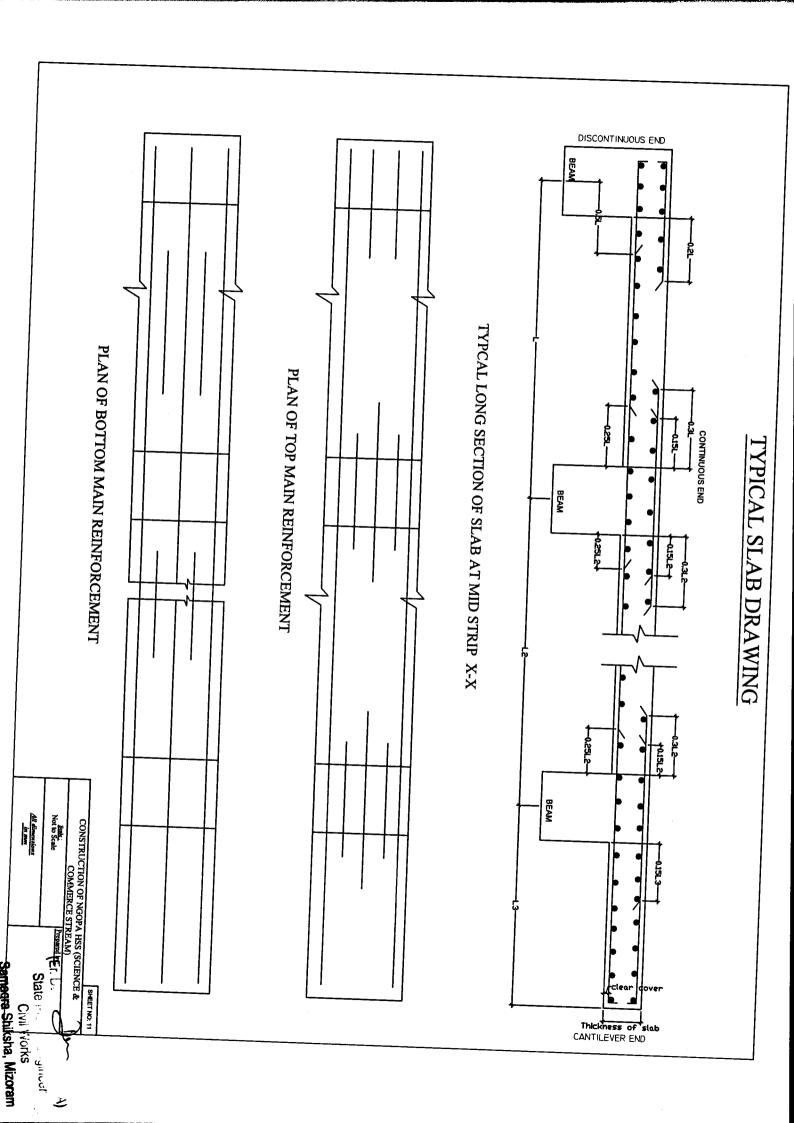
2012, have been complied with in the preparation of the Aizawl Municipal Council Building regulations, Certified that the requirements of Regulation 30 of this structural drawing.

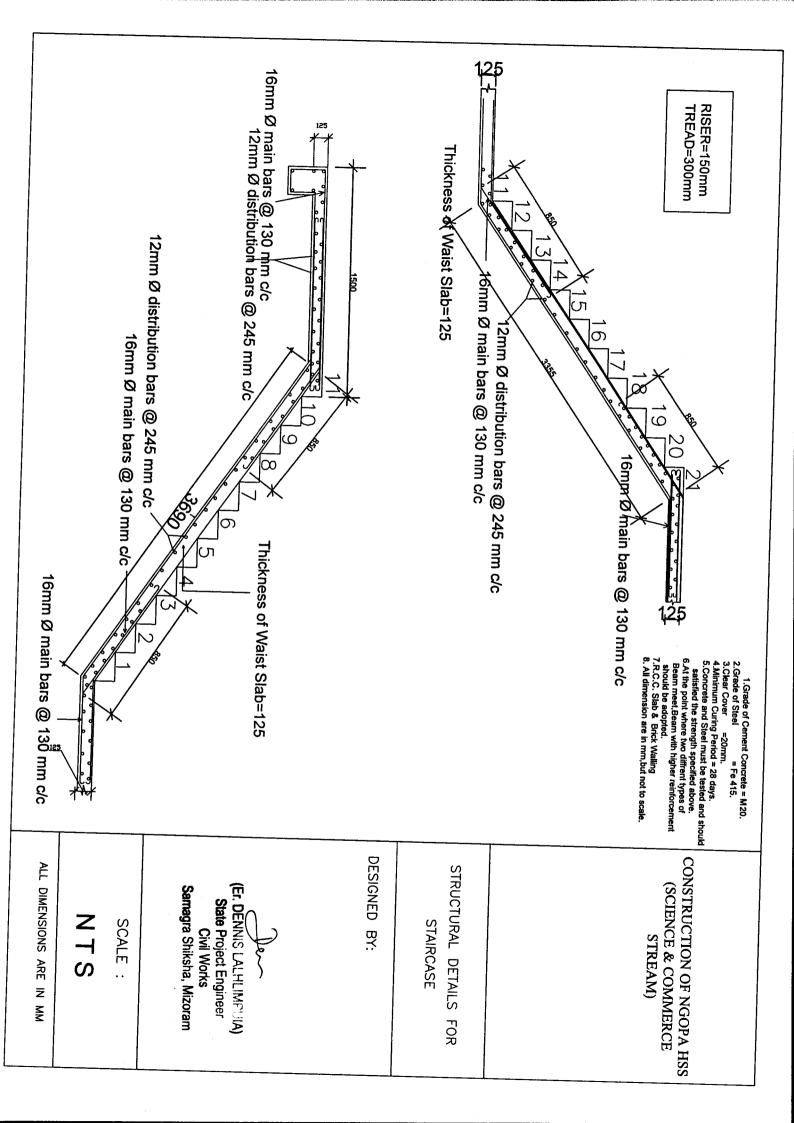
Not to Scale	Scale
in num	All dimensions



DETAILS OF SLAB







BILL OF QUANTITIES FOR CONSTRUCTION OF NEW HSS-SCIENCE & COMMERCE STREAM AT NGOPA

	T		\top	1 .	<u> </u>		Τ-		_	T	
		5/5.01		4/4.03		3/2.17		2/2.08		1/2.06	Sl.no
(a) 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	An work upto plinth level:	Providing and laying in position reinforced cement concrete excluding cost of centering and shuttering, finishing and reinforcement in -	b) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)	Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:	2/3 of qty taken from 2/2.08	trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	(a) Oridinary Soil	Earthwork in excavation in foundation trenches etc. not exceeding 2 meters depth including dressing of bottom and sides of trenches and subsequent filling and compaction in 15cm layers as in column foundations, fence posts, etc. and disposal of all surplus soil as directed within a lead of 30 metres.	(a) Oridinary and Hard Soil	depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.	Description of Items
cum			сит		cum		cum		cum		Unit
26.138			30.469		74.400		111.600		781.800		Qty
											in figure Rate
										M WOLUS	
											Amount

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

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														y5.10	l	8/5.18			7/5.03			6/5.02
			mm	Beams.	d) cantilevers, etc.	plinth beams, girders, bressumers and		250x250 mm	350x350 mm	Column	c) posts and struts.		(a) concrete.	and removal of form works in -	Centering and shuffering including strutting	cutting, bending, placing in position and binding all complete	a) aggregate 20mm nominal size) Steel reinforcement for BCC	1:15:3 /1 camput: 15	floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement complete.	Reinforced cement concrete work in hearns suspended	a) 1:1.5:3 (I cement: 1.5 coarse sand: 3 graded stone	Actiniorced cement concrete work in walls including attached pillasters, columns, pillers, posts, piers, abutments, return walls, retaining walls, struts, buttresses, string or lacing courses, fillets etc. upto floor five level excluding cost of centering shuttering etc complete.
sqm	sqm	sqm		\downarrow			Sam	sam	sqm				sqm		kg		cum			cum		
408.90	176.400	232.500	222 500			1.000	274 000	64 000	210.000				72.8		36880.744		152.25			30.23	30.37	
														•								

2919.13
137 10
137.10
sqm 44.69
cum 1.170
sqm 680.516
sqm 48.50
sqm 766.39

72.00
18.00
2919.13
2919.13
_
76.848
76.85
21.47
3613.20

(Er. DENKIS LALHLIMPUIA)
State Project Engineer
Civil Works

		31/17.04		30/17.42	T	29/17.37	T	28/17.35		27/17.34			26/17.33		25/1	· · · · · · · · · · · · · · · · · · ·	Τ	T
	<u> </u>		Pro a		a	1	1 2		P		P	a)		a)	25/18.01 r			
	White	closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:	110 mm dia.	Providing and fixing ventilation cowl including jointing with rubber lubricant/cement solvent complete.	110x110x110 mm	Providing and fixing single equal SWRPVC plain junction of required degree (T-junction) .	110 mm dia.	degree (45°) including jointing with rubber lubricant/cement solvent complete.	Providing and fixing SWRPVC also had a	1 2 00	oviding and fixing CW/DDV/C	110mm dia.	vent pipes including jointing with rubber lubricant/cement solvent complete.	Sintex or quivalent	manufacture with cover and mosquito proof coupling and suitable locking arrangement and making nescessary connections for inlet, outlet and overflow pipes but without the cost for base support.	Providing and fixing on terrace (at all floor levels)	(a) 150mm	etc. complete
Nos	L		Nos		Nos.	1.00	Var		Nas		m	-				Nos	_	
7.00			7.00	17.00	1700	15.00	14 00		22.00		100.00			4000 00		72.00		

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

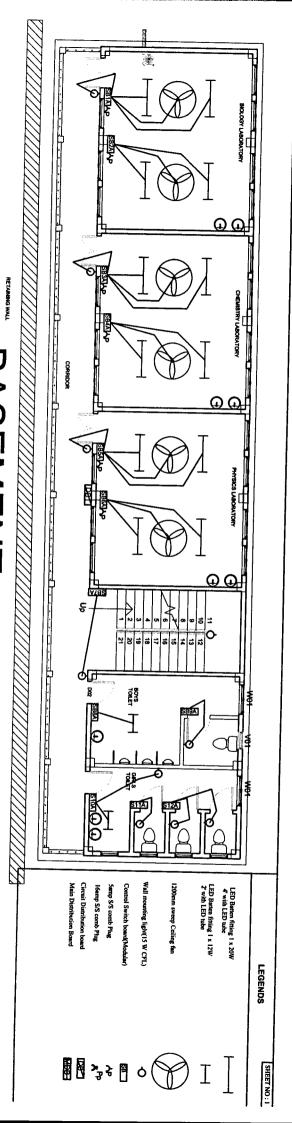
	38/18.51				37/17.16			36/18.09		35/18.08		34/18.07		33/18.02		32/18.25
(b) 750 watts	Providing and placing in position electric water pump of approved manufacture including connections to G.I pipes etc. complete with accessories.	i) white	b) Vitreous China Wash basin Compact 450 x 300 mm with single 15 mm C.P. brass pillar taps	waste of standard pattern, 32mm C.P. brass traps and union complete including painting of fittings and brackets, cutting and making good the walls wherever required.	make with R.S. or C.I. brackets, 15mm C.P. brass pillar taps, C.P. brass chain with rubber plugs, 32mm C.P. brass	Providing and fixing White vitreous china wash basin Standard of Parryware/ Hindware/ Cera and equivalent	b) 20 mm nominal bore	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work).	b) 20mm nominal bore	Providing and fixing brass stop cock of approved quality.	b) 20mm nominal bore	Providing and fixing brass bib cock of approved quality.	a) 20mm dia nominal bore	Providing and fixing G.I. pipes complete with G.I. fitting and clamps, including cutting and making good the walls etc. (internal works-exposed on wall).	(b) 20mm dia nominal bore	Providing and fixing PVC pipes complete with fittings and clamps, including cutting and making good the walls etc. (internal work).
each		Nos					Nos		Nos		Nos		rm		rm	·
1.00		14.000					15.000		14.000		20.000		50.00		50.000	
						i										
H				···					1		+				<u> </u>	

	45	Τ	4	Τ	43	T	42	Γ	41	Γ	4	35
	45/10.16		44/7.01		43/17.11		42/17.31		41/17.30		40/17.29	39/17.24
b) In a grating, frames, guard bar, ladders, railings, brackets, gates & similar works.	Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	c) in cement mortar 1:6 (lcement:6 fine sand)	Regular coursed rubble masonry with hard stone in foundation upto one storey above and below ground level including curing, etc. complete.	i) White	Providing and fixing vitreous china Urinal Flat Back Small 44 x 26.5 x 31.5cm size of Parryware/ Hindware/ Cera and equivalent make with flush valve/spray with C.I or R.S brackets standard size of G.I flush pipe and C.P brass spreaders with brass unions and G.I clamps complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required.	a) Glass container with C.P. lid and brackets.	Providing and fixing liquid soap container with C.P. brass lid and brackets fixed to wooden cleats with C.P. brass screws.	b) Plastic toilet paper holder of standard size.	Providing and fixing toilet paper holder.	a) 750x20mm size.	Providing anf fixing anodised alluminium towel rail with two anodised alluminium brackets to wooden cleats with C.P brass screws.	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing:
kg		cum		Nos		Nos	,	Nos		Nos		Nos
1031.07		67.50		6.00		7.00		11.00		7.00		14.00

_		5/5.18	4/20.08	1	3/5.10		2/5.03		1/2.08	T	47/10.04		46/12.01
	<u></u>	<u> </u>		<u> </u>	1					_			L
@ 0.62/ Rm	(b) Thermo-Mechanically Treated Bars	Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete	12mm cement plaster 1:4 (1 cement: 4 fine sand).	(e) Suspended floors, roofs, landings,	Centering and shuttering including strutting, propping, etc. and removal of form works in -	(a) 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	Reinforced cement concrete work in beams, suspended floor reinforcement complete.	(a) Oridinary Soil	Earthwork in excavation in foundation trenches etc. not exceeding 2 meters depth including dressing of bottom and sides of trenches and subsequent filling and compaction in 15cm layers as in column foundations, fence posts, etc. and disposal of all surplus soil as directed within a lead of 30 metres.	SEPTIC TANK	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of Tiron 40x40x6mm with 40mm dia. steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	40 mm thick with 20 mm nominal size stone aggregate	Cement concrete flooring 1:2:4 (1 cement: 2 sand: 4 well graded stone aggregate 20mm size) finished with a floating coat neat cement including cement slurry etc. complete but excluding the cost of nosing of steps etc.
rm			m²	m ²		m³		m³			sqm	sqm	
66.87			14.795	4.671		1.185		12.400			10.08	440.68	

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

GRAND TOTAL				
Add GST(6%)				
And Labour Cess(1%)				
Add I about Carrier				
Total of Civil Work inclusive of Cost Indices				
Add C.I for Saitual Dist.(27.33%)				
IOIAL				
TOTAL				
	/.30	m	-)	
	7.27	,	b) lin cement mortar 1.4 (1 cement : 4 fine cand)	
			including curing, etc. complete	
			.08 Honey-comb of half brick masonry with first class brick	7/6.08
	6.28	m	(o) in content inortal 1:4 (1 cement: 4 line sand)	T
		•	(b) in coment most 1.4 (1	
			including curing, etc. complete.	9
			109 11.5 cm unck offick masonry with first class brick!	6/6 09
		_	1 / / Otto the Colo management of the color	_



BASEMENT

(Er. R. LALNUNFELA)
Programme Officer
Civil works
Samagra Shiksha, Mizoram

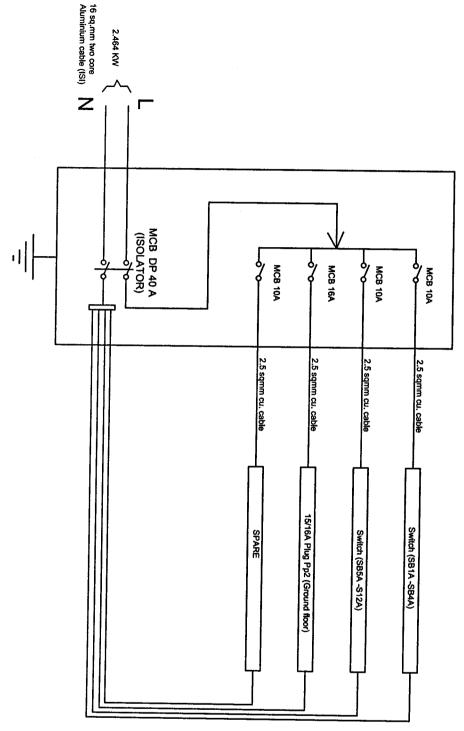
(Er. DENNIS LALHLIMPIJIA)
State Project Engineer
Civil Works

6-way MCB DB SP & N D/D

NOTES

NGOPA HSS SCIENCE & COMMERCE STREAM SAITUAL DISTRICT

PROJECT



CIRCUIT DISTRIBUTIONS (Er. R. LÁLNUNFELA)

Programme Officer Civil works

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

COUNTERSIGNED BY

SCALE: NOT TO SCALE DATE: 09/07/2024

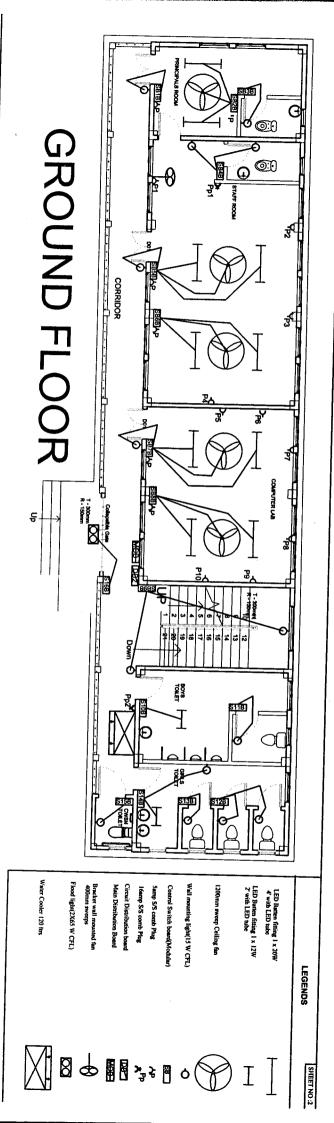
SHEET NO: 02

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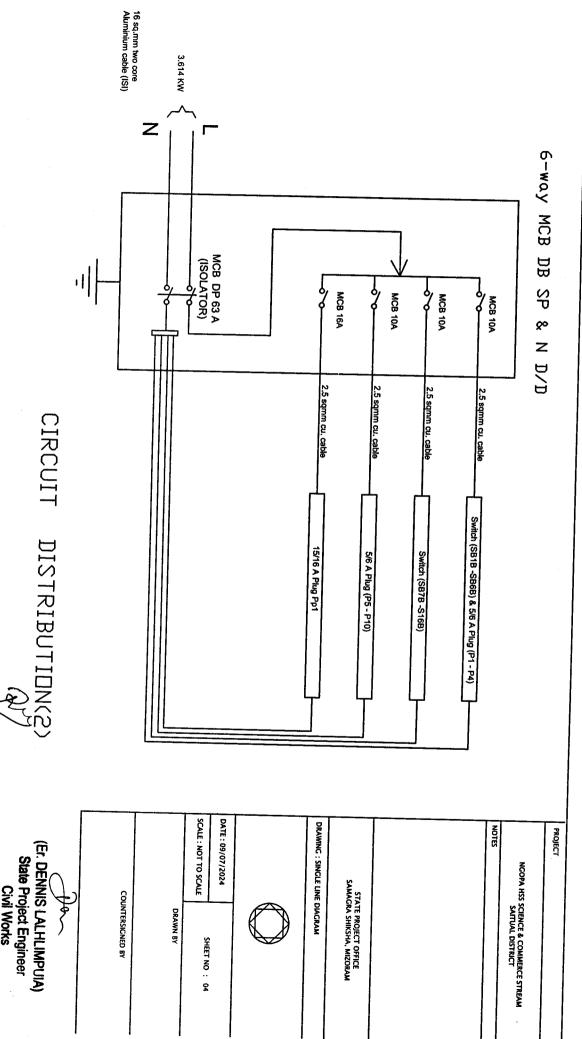
DRAWING: SINGLE LINE DIAGRAM

STATE PROJECT OFFICE SAMAGRA SHIKSHA, MIZORAM

Samagra Shiksha, Mizoram



(Er. R. LALNUNFELA)
Programme Officer
Civil works
Samagra Shiksha, Mizoram

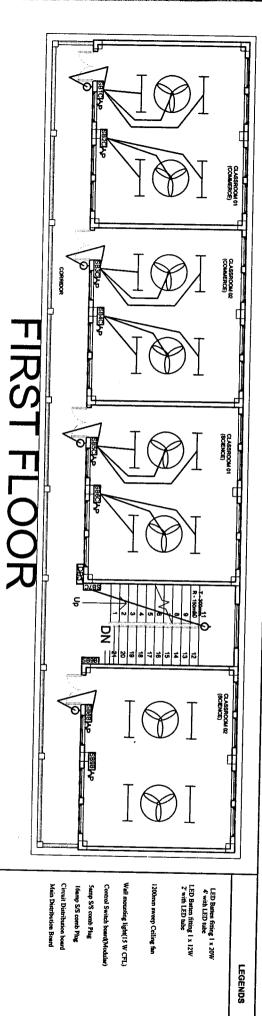


Programme Officer
Civil works

(Er. R. LALNUNFELA)

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

Samagra Shiksha, Mizoram



SHEET NO: 5

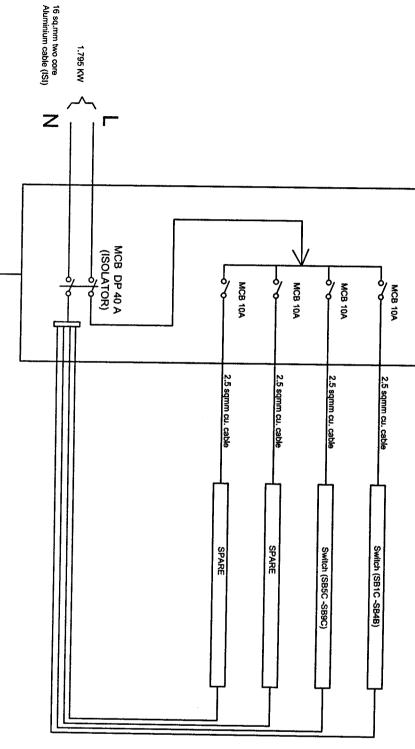
(Er. R. LALNUNFELA)

(Er. DENNIS LALHLIMPUIA) Samagra Shiksha, Mizoram State Project Engineer Civil Works

Samagra Shiksha, Mizoram Programme Officer
Civil works



PROJECT



DATE: 09/07/2024 SCALE: NOT TO SCALE

SHEET NO: 06

DRAWING: SINGLE LINE DIAGRAM

STATE PROJECT OFFICE SAMAGRA SHIKSHA, MIZORAM

CIRCUIT DISTRIBUTION(3)

1

(Er. DENNIS LALHLIMPUIA)
State Project Engineer
Civil Works

COUNTERSIGNED BY

DRAWN BY

Samagra Shiksha, Mizoram

(Er. R. LALNUNFELA) Programme Officer Civil works

TERRACE ROOF LEVEL

LED Batten fitting 1 x 20W
4" with LED tube
LED Batten fitting 1 x 12W
2" with LED tube

SHEET NO: 7

Circuit Distribution board Main Distribution Board

16amp S/S comb Plug

Wall mounting light(15 W CFL)

1200mm sweep Ceiling fan

Control Switch board(Modular)
Samp S/S comb Plug

S & C O

A Dela

(Er. R. LALNUNFELA)
Programme Officer
Civil works

Samagra Shiksha, Mizoram

BILL OF QUANTITIES

NAME OF WORK : ELECTRIFICATION OF NGOPA HSS (Sc. & Commerce) ; SAITUAL DISTRICT

		C:02:02				•				C:02:01	C:02:00		SOR
C.VZ.VZ(E) Light plug Point Very Long Point (modular)	as per convenience including junction box having required numbers of ways fromDB to the light plug/socket 5/6A point etc. as required:	copperflexible wire stranded copper running inside PVC casing & capping (Gr-II) 20x12mm fixed, surface onthe wall/ceiling /floor	Wiring in looping system with PVC wire sheathed standard copper conductor/wires as periS:694 (1990) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame retardant low smoke 8. Halogan (re. 1500) and Flame (re. 1500) a	LIGHT PLUG/SOCKET POINT 5/6 AMPERES (MODULAR TYPE)	C:02:01 (C) Medium Point (Modular)	FAN POINT	C:02:01 (D) Long Boist (Madistry)	C:02:01 (C) Medium Point (Moduler)	C.O.: 1 (B) Should be a single of the control of th		+-	DESCRIPTION OF MATERIAL	フロクロロゴント ファートイラン・
Each		···		Each		Each	Each	Each				UNIT	
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	1:02:86 2 S + 1 R + 1SOC	Six modules Switch Board (Modular)	1:02:13 25	I Wo modules Switch Board (Modular)	1.UZ.US I S TWO WBYS	1:02:03 15	Color 16	One Module Switch Board (see 1) The Module Swarp	fan regulators etc. with necessary switches, plug/socket, and	hoves modular plate and an idee/ recess including PVC/Steel	following sizes/modules on surface/races in It die all of the	Supplying and fixing of Modular switch board and in the	grade-II	SUPPLYING AND FIXING OF SWITCH BOARDS (MODILI AD TYPE)	earth wire	C.O.)-O.(C) 24 & Samm connect	כייבייטיניט באד sqrillii copper conductor/cable + 1x4 Sqmm earth	C.03.06(B) 3V/ Samm cannot 1	earth wire	C:02:06/A) 7X7 5 5mm conner conduct - / - L1	boards as required:-	_	on the wall/ceiling/floor as per convenience including innerion	& capping (Grade-II) of all available sizes diameter fixed surface	copper flexible wire stranded copper running inside PVC Casing	retardant low smoke & Halogen (FR-LSH) 1100 voltage graded	copper conductor/wires as per IS:694 (1990) and Flame	Wiring in looping system with PVC wire sheathed standard	(SINGLE PHASE TWO WIRES)	MAIN TO SUB-MAIN IN COPPER WIRE GRADE-II SURFACE	C:02:03(E) Power plug Point 15/16 A Very LongPoint (modular)	required :-	ways from DB to the power plug/socket 15/16A point etc. as	convenience including junction box having required numbers of			low smoke & Halogen (FR-LSH)1100 voltage graded copper	copper conductor/wires as perIS:694 1990) and Flame retardant	TYPE)Wiring in looping system with PVC wire sheathed standard	POWER PLUG/SOCKET POINT 15/16 AMPERES (MODIJI AR
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(Fr. DENNIS CALHLIMPI IIA)

N:00:00 N:00:00 MCBs/RCCBs/ELCBs/MCCBs/EARTH FAULT RELAY SP/SPN/DP/DP&N/TP/TP&N/FP MCBs SP/SP&N/DP/TP/TP&N/FP Supplying and fixing of all types and rating MCBs, RCCBs, ELCBs etc, 240/415 Volts 50 Hz AC supply in the existing MCB DB complete with connections, testing & commissioning etc in N:01:26 40 Amps' DP, MCB Isolator N:01:2763 Amps' DP, MCB Isolator DISTRIBUTION BOARDS MCB DISTRIBUTION BOARD Supplying, fitting, & fixing of 63 amps' 6-Ways Distribution Board with Bakelite fused fitting with fused links, 240 Volts 50 Hz AC on surface/recess completed including inter-connection, painting etc, as required.	with Bakelite fused fitting with fused links, 240 Volts 50 Hz AC on surface/recess completed including inter-connection, painting etc, as required.	O:03:75 6-ways MCB DB SP & N DD metallic Door Each LIGHTING FIXTURES(SURFACE/RECESS)	LIGHTING FIXTURES CEILING/WALL MOUNTED:-	J:01:03 Supplying, fitting and fixing Batten Holder including Each connection etc, as required	(1661) CFL Curvy 15W(SP) B22,E27 Base Havells/Equivalent No	1:01:30 Installation, testing & commissioning of pre-wired flourescent Light fittings of all types, with all accessories and tubes etc, directly on ceiling/wall, including connection with 1 5	Sqmm copper conductor single core cable etc as required	(1375) LED Batten fitting 1x12W Linea'2 with LED tube (Phillips/equivalent) No	tting 1x12W Linea'2 with LED tube	tting 1x12W Linea'2 with LED tube tting 1x26W Linea'4 with LED tube testing & commissioning of ceiling fan and wiring the down rod of standard length (upto mm PVC insulated copper conductor single suired
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Each 1
Metre 24
with base plate to mount lightning Arrestor (DOKSUN/Equivalent) Each 1
Each 1
Metre 601.4

Metre 20
Each 1
1
Fach

Samagra Shiksha, Mizoram (Er. R. ZALNUNFELA)
Programme Officer
Civil works

Rupees in words

(Er. DENNIS LALHLIMPUIA)

State Project Engineer