PLAN

SCHEDULE OF WINDOWS & VENTILATORS				
TYPE	WIDTH	HEIGHT	SILL	(Nos)
W1	1500	1500	900	15
W2/V	1200	1350	750	04
W3	800	1500	900	01
V	1200	350	2235	04
V1	1200	500	2100	02
V2	800	500	2100	01

SCHEDULE OF DOORS			
TYPE	WIDTH	HEIGHT	GROUND FL. (nos)
D1	1000	2100	03
D2	900	2100	03

PLINTH AREA OR BUILT UP AREA

FLOOR AREA =128.40 sqm

ALUMINIUM DOORS ARE USE HERE

TILES PROVIDED SHOULD BE UPTO THE CEILING LEVEL

TILES ARE PROVIDED ON THE FLOOR INSIDE THE BUILDING

MS STEEL BAR ARE USE FOR RAILINGS OF BALCONY AND STAIRS

PROJECT:-

CONSTRUCTION OF RCC RAMP INCLUDING INTERNAL ELECTRIFICATION AND MINOR REPAIRS OF EXISTING BUILDING AT NONGTALANG CHC,WEST JAINTIA HILLS DISTRICT.

SCALE: NTS

CONTENTS: SITE PLAN & PLAN

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/01/WJHills/Nongtalang/Arch/01

PREPARED BY:

JUNIOR ENGINEER
WJHSSP
WEST JAINTIA HILLS
DISTRICT

Junior Engineer
WJHSSP
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
NONGTALANG CHC
WEST JAINTIA HILLS
DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS
DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Engineering Wing
Dte. of Health Servicess
Shillong

SIDE ELEVATION

FRONT ELEVATION

LONGITUDINAL SECTIONAL AT A-A'

SECTIONAL AT B-B'

PLAN OF Dyna sheet Area

CROSS SECTION OF A Dyna sheet Area

W2/V

W1,W2,W3

PROJECT:-

CONSTRUCTION OF RCC RAMP INCLUDING INTERNAL ELECTRIFICATION AND MINOR REPAIRS OF EXISTING BUILDING AT NONGTALANG CHC,WEST JAINTIA HILLS DISTRICT.

SCALE: NTS

CONTENTS:

SECTIONS,ELEVATION DETAILS OF DYNA SHEET COVER AREA,DETAILS OF WINDOWS/VENTILATOR

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/01/WJHills/Nongtalang/Arch/02

PREPARED BY:

JUNIOR ENGINEER
WHSD
WEST JAINTIA HILLS
DISTRICT

Junior Engineer
M.H.S.S.P
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
NONGTALANG CHC
WEST JAINTIA HILLS
DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS
DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Engineering Wing
Dte, of Health Services
Meghalaya, Shillong

FOOTING LAYOUT PLAN

FLOOR BEAM LAYOUT PLAN

TIE BEAM LAYOUT PLAN

NOTES:

- STRUCTURAL DRAWING SHOULD BE READ IN CONJUNTION WITH ARCHITECHTURA DRAWING.
- ALL DIMENSIONARE IN MILLIMETER UNLESS INDICATED OTHERWISE.
- STRUCTURE DRAWING ARE NOT TO BE SCALED.
- SLAB AND BEAM SHOULD BE CASTED MONOLITHICALLY.

GENERAL SPECIFICATION:

- CONCRETE 1:1.5:3 (M20) HAS BEEN USED FOR ALL STRUCTURAL MEMBERS.
- STEEL USED IS TOR STEEL (FY= 415 N / SqMM FOR ALL BARS.
- COVER TO REIMFORCEMENT:-
  SLAB = 20 MM BEAM = 25MM
  COLUMN = 40 MM FOOTING = 50 MM
- SAFE BEARING CAPACITY OF SOIL HAS BEEN ASSUMED AS 150 KN/m2 .
- MINIMUM DEPTH OF FOUNDATION(Df) IS CONSIDERED AT A DEPTH OF 2.00 M BELOW GROUND LEVEL AND MAY BE INCREASED WITH UNSATISFACTORILY SOIL CONDITION.
- DEVELOPMENT LENGTH OF BARS IS 50 D, WHERE D IS THE BAR DIAMETER .
- LAPPING AT SUPPORT OR NEARER TO THE END LAPPING AT MIDSPAN OR NEARER TO THE MIDSPAN SHALL BE AVOIDED.
- LAPPING IS ALLOWED ONLY 50% AT A SECTION

CERTIFIED THAT THE BUILDING HAS BEEN DESIGNED TAKEN INTO ACCOUNT THE SEISMIC FACTOR OF ZONE .i.e ZONE V

PROJECT:-	SCALE: NTS	CONTENTS: PLAN OF A ROOF TRUSSES, & DETAILING	PREPARED BY:	COUNTERSIGNED BY:		APPROVED BY:
CONSTRUCTION OF RCC RAMP INCLUDING INTERNAL ELECTRIFICATION AND MINOR REPAIRS OF EXISTING BUILDING AT NONGTALANG CHC,WEST JAINTIA HILLS DISTRICT.	ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY		JUNIOR ENGINEER M.H.S.S.P WEST JAINTIA HILLS DISTRICT	MEDICAL OFFICER I/C NONGTALANG CHC WEST JAINTIA HILLS DISTRICT	DISTRICT MEDICAL & HEALTH OFFICER WEST JAINTIA HILLS DISTRICT	EXECUTIVE ENGINEER HEALTH ENGINEERING WING SHILLONG
	DWG NO: 07/1A/01/WJHills/Nongtalang/Struct/01		Junior Engineer M.H.S.S.P West Jaintia Hills			Executive Engineer Engineering Wing Dte. of Health Services Meghalaya, Shillong

SLAB REINFORCEMENT (FLOOR SLAB)

SLAB NAME	THICKNESS (mm)	MAIN BAR				DISTRIBUTION BAR			
		AT MIDSPAN		AT SUPPORT		AT MIDSPAN		AT SUPPORT	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
RCC SLAB	125	NIL	10mmØ @125 mmC/C	10mmØ @125 mmC/C	10mmØ @250 mmC/C	NIL	10mmØ @125 mmC/C	10mmØ @125 mmC/C	10mmØ @250 mmC/C

TYPICAL SLAB DETAIL

Foundation Detail Table (Isolated Footing)

Footing name	Breadth of footing in (mm)	Length of footing in (mm)	Minimum depth (mm)	Total depth (mm)	Foundation depth (mm)	Reinforcement LX- direction	Reinforcement LY- direction
IF-01	1500	1500	300	550	1800	12mm @ 125mm c/c	12mm @ 125mm c/c

**Note:- *.Depth of foundation shall vary as per soil condition.

Schedule of Columns

Concrete Grade	Column Nos (mm)	Column Size (mm)	Foundation upto Ground Floor	Ground Floor upto First Floor	First Floor upto Second Floor
M20 (1:1.5:3)	C1	300x300	4-20# + 4-16#	4-20# + 4-16#	4-20# + 4-16#

**Note :-*. Clear Cover for Column = 40mm
* Stirrups shall be provided as per indicated in the typical drawing of column

CROSS SECTION OF FOUNDATION

Provide Stirrups 8mmØ @ 100mm c/c at support and 8mmØ @ 150mm c/c at midspan

SIZE OF BEAM IS (250 x 350)mm

TYPICAL DETAILS OF FLOOR BEAMS

CROSS SECTION OF F. BEAMS

Provide 8mm dia stirrups@ 100mm c/c at support and provide 8mm dia stirrups

TYPICAL TIES DETAILING IN COLUMI

Angle of hook shall be 135

Provide Stirrups 8mmØ @ 100mm c/c at support and 8mmØ @ 150mm c/c at midspan

SIZE OF BEAM IS (250 x 300)mm

TYPICAL DETAILS OF TIE BEAMS

CROSS SECTION OF T. BEA

Provide 8mm dia stirrups@ 100mm c/c at support and provide 8mm dia stirrups @150mm c/c at midspan

Typical Section of Sill Band

Typical Section

Typical section Lintel Band with Chajja

8Ø @ 100mm c/c

LAP SPLICE IN BEAMS

TYPICAL DETAIL OF BEAM - COLUMN

NOTES:

- STRUCTURAL DRAWING SHOULD BE READ IN CONJUNTION WITH ARCHITECHTURAL DRAWING.
- ALL DIMENSIONARE IN MILLIMETER UNLESS INDICATED OTHERWISE.
- STRUCTURE DRAWING ARE NOT TO BE SCALED.
- SLAB AND BEAM SHOULD BE CASTED MONOLITHICALLY.

GENERAL SPECIFICATION:

- CONCRETE 1:1.5:3 (M20) HAS BEEN USED FOR ALL STRUCTURAL MEMBERS.
- STEEL USED IS TOR STEEL (FY= 415 N / SqMM FOR ALL BARS.
- COVER TO REIMFORCEMENT:-
  SLAB = 20 MM BEAM = 25MM
  COLUMN = 40 MM FOOTING = 50 MM
- SAFE BEARING CAPACITY OF SOIL HAS BEEN ASSUMED AS 150 KN/m2 .
- MINIMUM DEPTH OF FOUNDATION(Df) IS CONSIDERED AT A DEPTH OF 2.00 M BELOW GROUND LEVEL AND MAY BE INCREASED WITH UNSATISFACTORILY SOIL CONDITION.
- DEVELOPMENT LENGTH OF BARS IS 50 D, WHERE D IS THE BAR DIAMETER .
- LAPPING AT SUPPORT OR NEARER TO THE END LAPPING AT MIDSPAN OR NEARER TO THE MIDSPAN SHALL BE AVOIDED.
- LAPPING IS ALLOWED ONLY 50% AT A SECTION

CERTIFIED THAT THE BUILDING HAS BEEN DESIGNED TAKEN INTO ACCOUNT THE

PROJECT:-

CONSTRUCTION OF RCC RAMP INCLUDING INTERNAL ELECTRIFICATION AND MINOR REPAIRS OF EXISTING BUILDING AT NONGTALANG CHC,WEST JAINTIA HILLS DISTRICT.

SCALE: NTS

CONTENTS:
Foundation Detail Table,Schedule of Columns, Typical Cross section of Foundation, Top View of Foundation,Typical ties Detailling in Column, Typical Slab detail,Typical Beam Detail, Typical Detail of Beam - Column Junction, Lap splice in Beams.

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/01/WJHills/Nongtalang/Struct/02

PREPARED BY:

JUNIOR ENGINEER
WEST JAINTIA HILLS
DISTRICT

Junior Engineer
M.H.S.P.
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
NONGTALANG CHC
WEST JAINTIA HILLS
DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS
DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Engineering Wing
Dte. of Health Services
Meghalaya, Shillong

PLAN

SCHEDULE OF WINDOWS & VENTILATORS				
TYPE	WIDTH	HEIGHT	SILL	FIRST FL. (nos)
W1	2000	1500	750	02
W2	1500	1500	750	08
W3	1000	1500	750	01
V	800	500	2000	03
			TOTAL	14

SCHEDULE OF DOORS			
TYPE	WIDTH	HEIGHT	GROUND FL. (nos)
D1	1500	2100	01
D2	1000	2100	08
D3	900	2100	02
D3	800	2100	03

PLINTH AREA OR BUILT UP AREA

FLOOR AREA =195.62 sqm

ALUMINIUM DOORS ARE USE HERE

TILES PROVIDED SHOULD BE UPTO THE CEILING LEVEL

TILES ARE PROVIDED ON THE FLOOR INSIDE THE BUILDING

MS STEEL BAR ARE USE FOR RAILINGS OF BALCONY AND STAIRS

PROJECT:-

IMPROVEMENT OF MAIN BUILDING /EXTENSION OF PHC AT ROOF TOP I/C SANITARY INSTALLATION AND ELECTRIFICATION ,MYNSO PHC,WEST JAINTIA HILLS DISTRICT.

SCALE: NTS

CONTENTS: PLAN

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/02/WJHills/Mynso/Arch/01

PREPARED BY:

JUNIOR ENGINEER
MYNSO PHC
WEST JAINTIA HILLS DISTRICT

Junior Engineer
MYNSO PHC
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
MYNSO PHC
WEST JAINTIA HILLS DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Health Engineering Wing
Dte. of Health Servicess
Meghalaya, Shillong

FRONT ELEVATION

RIGHT ELEVATION

PLAN OF WAITING SHED

CROSS SECTION OF A WAITING SHED

LONGITUDINAL SECTION(S-S')

PROJECT:-	SCALE: NTS	CONTENTS: SECTION,ELEVATION & WAITING SHED	PREPARED BY:	COUNTERSIGNED BY:		APPROVED BY:
IMPROVEMENT OF MAIN BUILDING /EXTENSION OF PHC AT ROOF TOP I/C SANITARY INSTALLATION AND ELECTRIFICATION ,MYNSO PHC,WEST JAINTIA HILLS DISTRICT.	ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY		JUNIOR ENGINEER MHSSP WEST JAINTIA HILLS DISTRICT	MEDICAL OFFICER I/C MYNSO PHC WEST JAINTIA HILLS DISTRICT	DISTRICT MEDICAL & HEALTH OFFICER WEST JAINTIA HILLS DISTRICT	EXECUTIVE ENGINEER HEALTH ENGINEERING WING SHILLONG
	DWG NO: 07/1A/02/WJHills/Mynso/Arch/02		Junior Engineer M.H.S.S.P West Jaintia Hills			Executive Engineer Engineering Wing Dte. of Health Servicess Meghalaya, Shillong

BEAMS LAYOUT

Provide Stirrups 8mmØ @ 100mm c/c at support and 8mmØ @ 150mm c/c at midspan

SIZE OF BEAM IS (250 x 300)mm

TYPICAL STIRRUPS SPACING IN BEAMS

DETAIL OF BEAMS

Provide 8mm dia stirrups@ 100mm c/c at support and provide 8mm dia stirrups @150mm c/c at midspan

DETAILS OF COLUMN (300 x 300)mm

PLAN OF STAIRCASE

TYPICAL CROSS SECTION OF COMBINED FOOTING

TOP VIEW OF FOUNDATION

SECTION & DETAILS OF A STAIRCASE

TYPICAL DETAIL OF BEAM - COLUMN JUNCTION (STIRRUPS NOT SHOWN)

DETAIL OF LANDING BEAMS

Provide 8mm dia stirrups@ 100mm c/c at support and provide 8mm dia stirrups @150mm c/c at midspan

General Specifications:

1. Concrete(M 20)has been used for all structural members.
2. Steel used is TOR STEEL (Fy = 415 N/sqmm)for all bars
3. Clear Cover to reinforcement-
   Beams - 25mm
   Columns - 40mm
   Footings - 50mm
   Slab - 15mm
4. Depth of foundation 1.8 m below ground level as per soil condition.
5. Development length of bars is 50d, where d is the bar diameter.
6. The following I.S. codes of practice and special publications have been used in the design
   (i) IS 456 - 2000
   (ii) IS 1893 - 2002
   (iii) SP 16-1980
   (iv) IS 13920: 1993

PROJECT:-

IMPROVEMENT OF MAIN BUILDING /EXTENSION OF PHC AT ROOF TOP I/C SANITARY INSTALLATION AND ELECTRIFICATION ,MYNSO PHC,WEST JAINTIA HILLS DISTRICT.

SCALE: NTS

CONTENTS:
DETAILS OF BEAMS, COLUMN & STAIRCASE

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/02/WJHills/Mynso/Struct/01

PREPARED BY:

JUNIOR ENGINEER
MYNSO
WEST JAINTIA HILLS
DISTRICT

Junior Engineer
M.H.E.S.P
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
MYNSO PHC
WEST JAINTIA HILLS
DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS
DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Engineering Wing
Dte. of Health Servicess
Meghalaya, Shillong

PLAN OF A ROOF STEEL TRUSSES

Details of Gusset plate

CROSS SECTION OF A ROOF STEEL TRUSSES(S'-S'')

PROJECT:-	SCALE: NTS	CONTENTS: PLAN OF A ROOF TRUSSES, & DETAILING	PREPARED BY:	COUNTERSIGNED BY:		APPROVED BY:
IMPROVEMENT OF MAIN BUILDING /EXTENSION OF PHC AT ROOF TOP I/C SANITARY INSTALLATION AND ELECTRIFICATION ,MYNSO PHC,WEST JAINTIA HILLS DISTRICT.	ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY		JUNIOR ENGINEER M.H.S.S.P WEST JAINTIA HILLS DISTRICT	MEDICAL OFFICER I/C MYNSO PHC WEST JAINTIA HILLS DISTRICT	DISTRICT MEDICAL & HEALTH OFFICER WEST JAINTIA HILLS DISTRICT	EXECUTIVE ENGINEER HEALTH ENGINEERING WING SHILLONG
	DWG NO: 07/1A/02/WJHills/Mynso/Struct/02		Junior Engineer M.H.S.S.P West Jaintia Hills			Executive Engineer Engineering Wing Dte. of Health Servicess Meghalaya, Shillong

PLAN OF A BMW ROOM

PLINTH AREA OR BUILT UP AREA

FLOOR AREA =19.42 sqm

SECTION AT Y-Y'

SECTION X-X' OF A BMW ROOM

ELEVATION

PROJECT:-	SCALE: NTS	CONTENTS: PLAN,SECTION & ELEVATION	PREPARED BY:	COUNTERSIGNED BY:	APPROVED BY:
CONSTRUCTION OF BIO-MEDICAL WASTE ROOM AT KHLIEHTYRSHI PHC.	ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY		JUNIOR ENGINEER HEALTH WEST JAINTIA HILLS DISTRICT	MEDICAL OFFICER I/C KHLIEHTYRSHI PHC WEST JAINTIA HILLS DISTRICT DISTRICT MEDICAL & HEALTH OFFICER WEST JAINTIA HILLS DISTRICT	EXECUTIVE ENGINEER HEALTH ENGINEERING WING SHILLONG
	DWG NO: 07/1A/03/WJHills/Khliehtyrshi /ARCH/03		Junior Engineer M.H.S.S.P West Jaintia Hills		Executive Engineer Engineering Wing Dte, of Health Servicess Meghalaya, Shillong

FOOTING LAYOUT

BEAMS LAYOUT

TYPICAL TIES DETAILING IN COLUMN

Angle of hook shall be 135°

General Specifications:

1. Concrete(M 20)has been used for all structural members.
2. Steel used is TOR STEEL (Fy = 415 N/sqmm)for all bars
3. Clear Cover to reinforcement-
   Beams - 25mm
   Columns - 40mm
   Footings - 50mm
   Slab - 15mm
4. Depth of foundation 1.8 m below ground level as per soil condition.
5. Development length of bars is 50d, where d is the bar diameter.
6. The following I.S. codes of practice and special publications have been used in the design
   (i) IS 456 - 2000
   (ii) IS 1893 - 2002
   (iii) SP 16-1980
   (iv) IS 13920: 1993

PROJECT:-

CONSTRUCTION OF BIO-MEDICAL WASTE ROOM AT KHLIEHTYRSHI PHC.

SCALE: NTS

CONTENTS
FOOTING & BEAMS LAYOUT,TYPICAL TIES DETAILING IN COLUMN,ANGLE OF HOOK

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/03/WJHills/khliehtyrshi /Struct/03

PREPARED BY:

JUNIOR ENGINEER
M.H.S.P
WEST JAINTIA HILLS DISTRICT

Junior Engineer
M.H.S.P
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
KHLIEHTYRSHI PHC
WEST JAINTIA HILLS DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Engineering Wing
Dte, of Health Servicess
Meghalaya, Shillong

Provide Stirrups 8mmØ @ 100mm c/c at support and 8mmØ @ 150mm c/c at midspan

SIZE OF BEAM IS (250 x 300)mm

TYPICAL STIRRUPS SPACING IN BEAMS

DETAIL OF BEAMS

Provide 8mm dia stirrups@ 100mm c/c at support and provide 8mm dia stirrups @150mm c/c at midspan

DETAILS OF COLUMN (300 x 300)mm

Foundation Detail Table (Isolated Footing)				SBC=	150 KN/m²	(assumed)	
Footing name	Breadth of footing in (mm)	Length of footing in (mm)	Minimum depth (mm)	Total depth (mm)	Foundation depth (mm)	Reinforcement LX- direction	Reinforcement LY- direction
IF-01	1200	1200	250	500	1500	12mm @ 120mm c/c	12mm @ 120mm c/c

**Note:- *.Depth of foundation shall vary as per soil condition.
*. The sizes of the foundation may vary depending upon the actual soil bearing capacity.

CROSS SECTION OF FOUNDATION

TOP VIEW OF FOUNDATION

TYPICAL DETAIL OF BEAM - COLUMN JUNCTION (STIRRUPS NOT SHOWN)

Typical Section of Sill Band

Typical Section of Lintel Band

SLAB REINFORCEMENT (FLOOR SLAB)

SLAB NAME	THICKNESS (mm)	MAIN BAR				DISTRIBUTION BAR			
		AT MIDSPAN		AT SUPPORT		AT MIDSPAN		AT SUPPORT	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
RCC SLAB	100	NIL	10mmØ @150 mmC/C	10mmØ @150 mmC/C	10mmØ @300 mmC/C	NIL	10mmØ @150 mmC/C	10mmØ @150 mmC/C	10mmØ @300 mmC/C

TYPICAL SLAB DETAIL

LAP SPLICE IN BEAMS

General Specifications:

1. Concrete(M 20)has been used for all structural members.
2. Steel used is TOR STEEL (Fy = 415 N/sqmm)for all bars
3. Clear Cover to reinforcement-
   Beams - 25mm
   Columns - 40mm
   Footings - 50mm
   Slab - 15mm
4. Depth of foundation 1.8 m below ground level as per soil condition.
5. Development length of bars is 50d, where d is the bar diameter.
6. The following I.S. codes of practice and special publications have been used in the design
   (i) IS 456 - 2000
   (ii) IS 1893 - 2002
   (iii) SP 16-1980
   (iv) IS 13920: 1993

PROJECT:-

CONSTRUCTION OF BIO-MEDICAL WASTE ROOM AT KHLIEHTYRSHI PHC.

SCALE: NTS

CONTENTS:
Foundation Detail Table,Schedule of Columns,Typical Cross section of Foundation,Top View of Foundation, Typical Slab detail& table,Typical Beam Detail,Typical Detail of Beam - Column Junction,Lap splice in Beams

ALL DIMENSION ARE IN MM OR OTHERWISE MENTIONED DRAWINGS ARE MEANT TO BE READ ONLY

DWG NO: 07/1A/03/WJHills/Khliehtyrshi/Struct/03A

PREPARED BY:

JUNIOR ENGINEER
M.I.S.S.P.
WEST JAINTIA HILLS DISTRICT

Junior Engineer
M.I.S.S.P.
West Jaintia Hills

COUNTERSIGNED BY:

MEDICAL OFFICER I/C
KHLIEHTYRSHI PHC
WEST JAINTIA HILLS DISTRICT

DISTRICT MEDICAL & HEALTH OFFICER
WEST JAINTIA HILLS DISTRICT

APPROVED BY:

EXECUTIVE ENGINEER
HEALTH ENGINEERING WING
SHILLONG

Executive Engineer
Health Engineering
Dte. of Health Services
Meghalaya, Shillong

PLAN OF DEEP BURIAL PIT

SECTION OF DEEP BURIAL PIT

DETAILS OF DOOR

Project :- CONSTRUCTION OF DEEP BURIAL PIT AT MYNSO PHC WEST JAINTIA HILLS	Date : Scale : N.T.S	DEEP BURIAL PIT	Prepared by :-	Countersigned by :-	Approved by :-
	DWG No. : 07/1A/02/WJH /MYNSO/Deep BurialPit/Arch04	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*	Junior Engineer, MHSSP, West Jaintia Hills Junior Engineer M.H.S.S.P West Jaintia Hills	Medical Officer, I/C Mynso PHC West Jaintia Hills District Medical & Health Officer, West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong Executive Engineer Health Engineering Wing Dte, of Health Servicess Meghalaya, Shillong

PLAN OF SHARP PIT

CASE 1 : BELOW G.L
(if ground water table level is below 6m from the base of the sharp pit)

SECTION OF SHARP PIT

Project :- CONSTRUCTION OF WASTE SHARP PIT AT MYNSO PHC WEST JAINTIA HILLS	Date : Scale : N.T.S DWG No. : 07/1A/02/WJH /MYNSO/SharpPit /Arch 05	SHARP PIT *ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*	Prepared by :- Junior Engineer, MHSP, West Jaintia Hills Junior Engineer M.H.S.P West Jaintia Hills	Countersigned by :- Medical Officer I/C, Mynso PHC West Jaintia Hills District Medical & Health Officer, West Jaintia Hills	Approved by :- Executive Engineer, Health Engineering Wing, Shillong Executive Engineer Engineering Wing Dtc, of Medical Servicess Meghalaya, Shillong

PLAN OF SHARP PIT

CASE 1 : BELOW G.L
(if ground water table level is below 6m from the base of the sharp pit)

SECTION OF SHARP PIT

Project :-	Date :	SHARP PIT	Prepared by :-	Countersigned by :-		Approved by :-
CONSTRUCTION OF WASTE SHARP PIT AT NONGTALANG CHC WEST JAINTIA HILLS	Scale : N.T.S		Junior Engineer, M.H.S.S.P, West Jaintia Hills	Medical Officer I/C, Nongtalang CHC West Jaintia Hills	District Medical & Health Officer, West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong
	DWG No. : 07/1A/01/WJH /Nongtalang /SharpPit /Arch 04	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*	Junior Engineer M.H.S.S.P. West Jaintia Hills			Executive Engineer Engineering Wing Dte. of Health Services Meghalaya Shillong

PLAN OF DEEP BURIAL PIT

SECTION OF DEEP BURIAL PIT

DETAILS OF DOOR

Project :-	Date :	DEEP BURIAL PIT	Prepared by :-	Countersigned by :-		Approved by :-
CONSTRUCTION OF DEEP BURIAL PIT AT NONGTALANG CHC WEST JAINTIA HILLS	Scale : N.T.S		Junior Engineer, MHSSP, West Jaintia Hills	Medical Officer, I/C Nongtalang CHC West Jaintia Hills	District Medical & Health Officer, West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong
	DWG No. : 07/1A/03/WJH /Nongtalang /DeepBurialPit /Arch 04	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*	Junior Engineer M.H.S.S.P West Jaintia Hills			Executive Engineer Engineering Wing Dte, of Health Services Meghalaya, Shillong

PLAN OF DEEP BURIAL PIT

SECTION OF DEEP BURIAL PIT

DETAILS OF DOOR

Project :-	Date :	DEEP BURIAL PIT	Prepared by :-	Countersigned by :-		Approved by :-
CONSTRUCTION OF DEEP BURIAL PIT AT KHLIEHTYRSHI PHC WEST JAINTIA HILLS	Scale : N.T.S		Junior Engineer MHSSP, West Jaintia Hills	Medical Officer, I/C Khliehtyrshi PHC West Jaintia Hills	District Medical & Health Officer, West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong
	DWG No. : 07/1A/03/WJH /Khliehtyrshi /DeepBurialPit /Arch 04	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*				

Junior Engineer
M.H.S.S.P
West Jaintia Hills

Executive Engineer
Engineering Wing
Dte, of Health

PLAN OF SHARP PIT

CASE 1 : BELOW G.L
(if ground water table level is below 6m from the base of the sharp pit)

SECTION OF SHARP PIT

Project :-	Date :	SHARP PIT	Prepared by :-	Countersigned by :-		Approved by :-
CONSTRUCTION OF WASTE SHARP PIT AT KHLIEHTYRSHI PHC WEST JAINTIA HILLS	Scale : N.T.S DWG No. : 07/1A/03/WJH /Khliehtyrshi /SharpPit /Arch 05	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*	Junior Engineer, MHSSP, West Jaintia Hills Junior Engineer M.H.S.S.P West Jaintia Hills	Medical Officer I/C, Khliehtyrshi PHC West Jaintia Hills	District Medical & Health Officer, West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong Executive Engineer Engineering Wing Dte, of Health Servicess Meghalaya, Shillong

PLAN
DISINFECTION TANK

CROSS SECTION
DISINFECTION TANK

LAYOUT PLAN OF WASTE WATER MANAGEMENT FOR PHC

Plan of septic tank

Plan of soak pit

Longitudinal section of septic tank

section of soak pit

PROJECT :- CONSTRUCTION OF WASTE WATER MANAGEMENT (ETP) AT KHLIEHTYRSHI PHC,WEST JAINTIA HILLS DISTRICT.	Date : Scale : N.T.S	EFFLUENT TREATMENT PLANT	Prepared by :- Junior Engineer, MHSSP, West Jaintia Hills Junior Engineer M.H.S.S.P West Jaintia Hills	Countersigned by :- Medical Officer I/C Khliehtyrshi PHC West Jaintia Hills District Medical & Health Officer West Jaintia Hills	Approved by :- Executive Engineer, Health Engineering Wing, Shillong Executive Engineer Engineering Wing Dte, of Health Services Meghalaya, Shillong
	DWGNo. 07/1A/03/WJH/ KHLIEHTYRSHI /ETP /Arch 06	*ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.*			

PLAN
DISINFECTION TANK

CROSS SECTION
DISINFECTION TANK

LAYOUT PLAN OF WASTE WATER MANAGEMENT FOR PHC

Plan of septic tank

Plan of soak pit

Longitudinal section of septic tank

section of soak pit

PROJECT :- CONSTRUCTION OF WASTE WATER MANAGEMENT (ETP) AT MYNSO PHC,WEST JAINTIA HILLS DISTRICT.	Date :	EFFLUENT TREATMENT PLANT	Prepared by :-	Countersigned by :-	Approved by :-
	Scale : N.T.S				
	DWGNo. 07/1A/02/WJH/ MYNSO/ETP /Arch 03	ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.	Junior Engineer MHSSP, West Jaintia Hills Junior Engineer M.H.S.S.P West Jaintia Hills	Medical Officer I/C Mynso PHC West Jaintia Hills District Medical & Health Officer West Jaintia Hills	Executive Engineer, Health Engineering Wing, Shillong Executive Engineer Engineering Wing, Dte, of Health Services Meghalaya, Shillong