



# BUILDING SCHEDULE OF RATES – 2024



*With Effective from 1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024*

Department of Engineering Services- Central Province

## CONTENTS (BSR)

	<b>PAGE</b>
GENERAL NOTES	- I to XI
SECTION C - DEMOLITION / ALTERATION / REPAIR AND MAINTENANCE	- 1 to 7
SECTION D - EXCAVATION AND EARTHWORK	- 8 to 11
SECTION F - CONCRETE WORKS	- 12 to 15
SECTION G - MASONRY WORKS / BRICKWORK / BLOCKWORK	- 16 to 17
SECTION H - WATERPROOFING	- 18
SECTION J - STRUCTURAL METAL WORKS FOR STEEL IN FRAMED STRUCTURES / ALUMINUM IN FRAMED STRUCTURES / METAL WORK IN UNFRAMED STRUCTURES	- 19 to 20
SECTION K - METAL WORK	- 21 to 25
SECTION L - WOOD WORK	- 26 to 31
SECTION N - DEMOUNTABLE PARTITIONS	- 32 to 33
SECTION P - ROOF COVERING / ROOF PLUMBING	- 34 to 36
SECTION Q - PLUMBING / SANITARY INSTALLATION	- 37 to 41
SECTION S - ELECTRICAL INSTALLATIONS	- 42 to 59
SECTION T - FLOOR / WALL / CEILING FINISHES	- 60 to 62
SECTION U - GLAZING / INFILL PANELS	- 63
SECTION V - PAINTING	- 64 to 65
SECTION W - DRAINAGE SYSTEMS	- 66 to 69
SECTION X - EXTERNAL WORK	- 70 to 71
SECTION Y - SCHEDULE OF TRANSPORT	- 72
SECTION Y. I - SCHEDULE OF MANUAL TRANSPORT	- 73
SECTION Z - MATERIAL TESTING RATES 2024	- 74
DRAWINGS	

## **BUILDING SCHEDULE OF RATES (BSR)—2024**

**This Document is valid from 1st of January 2024 to 31<sup>st</sup> of December 2024,  
prepared by the Department of Engineering Services, Central Provincial  
Council**

- *Basic Prices*

The basic prices approved by the Central Provincial Price Committee on 21.12.2023 are used to prepare the 2024 BSR.

- *General Notes*

- This BSR is prepared following the principles of "Method of Measurement of Building Works (First Revision), SRILANKA STANDARD 573:1999"
- This document is to be used for buildings coming under the purview of the Central Provincial Council.
- This document is to be used for estimation **only**.
- The BSR is to be read in conjunction with the **Standard Specification issued for building work by the Institute of Construction Training and Development (ICTAD) / Construction Industry Development Authority (CIDA), except where superseded by the notes or the descriptions in the schedule.**
- The rates do not include VAT.
- These rates are derived and applicable only for four-storied buildings.

Working Rates of this BSR is calculated as follows:

**a. For the projects, New Constructions and Maintenance/Improvement works where the Total Cost Estimate (TCE) is less than or equal 5 million rupees**

- ✓ Overheads & Profit margin is taken as a maximum 26% of the basic rates.

Table-01: Overhead and Profit break down for the Projects where TCE is less than or equal rupees 5 million.

Item No.	Overhead Type	Percentage
A	The site Overhead	16 (Max)
B	Profit	10
C	Total Overhead & Profit	26 (Max)

- ✓ Working Rates = Basic Rates + Overheads & Profit Margin.

**b. For the Projects, New Constructions, Improvements & Maintenance Work where the Total Cost Estimate (TCE) is over 5 million rupees.**

- ✓ For Site Overheads, a Separate Preliminary bill shall be included. (Applicable site overhead percentages for the preliminary bill shall be taken from Table-03)
- ✓ General Overheads & Profit margin is taken as 16% of the basic rates.

Table-02: Overhead and Profit break down for the Projects where TCE is greater than rupees 5 million.

Item No.	Overhead Type	Percentage
A	General Overhead	06
B	Profit	10
C	Total Overhead & Profit	16

- **Following is the breakup of Site overheads (Issued by Construction Industry Development Authority (CIDA) by their Letter dated 03.10.2018)**

Table-03: Break down of Site Overheads.

<b>Item No.</b>	<b>Site Overhead</b>	<b>Percentage</b>
1	Supervision of work (wages of work supervisors)	1
2	Supervision of labour (wages of gangers)	4
3	Temporary work:	
	a) Access road & maintenance	0.2
	b) Accommodation for labour	0.7
	c) Stores building	0.6
	d) Fencing, Hoarding & Protection	0.3
	e) Provision of water, Lights, etc	0.3
	f) Clearing	0.2
	g) Stacking of building materials including cement & steel	0.4
4	Security for construction sites	0.8
5	Tools and implements for miscellaneous work	0.9
6	Setting out according to the drawings	0.5
	Providing samples for testing	0.2
7	Transportation of Supervisory staff	1.0
8	Job office, furniture, stationery, suppliers, water, lights, etc.	0.9
9	Wages for job office staff	1.2
10	Transportation for job office staff	0.4
11	Bonds for bid performance and Fidelity Guarantee	0.3
	Providing Insurance of work and workman's compensation	0.5
12	Interest for Capital investment	1.6
	<b>Total</b>	<b>16</b>

**Preliminary item for provision of "As-Built Drawings" to include separately to Preliminary Bill.**

**General Overhead percentage is calculated according to Table 04.**

Table 04: Break down of General Overheads

<b>Item No.</b>	<b>General Overhead</b>	<b>Percentage</b>
13	Head office and rent, lights, telephone, stationery, suppliers, furniture etc. for same.	0.6
14	Salaries of Head office manager, engineers, technical assistants, Draught men, Clerks, Stenos, Typists, minor staff and drivers	1.2
15	Transportation and subsistence for head office staff	1.0
16	Insurance, interest, and taxes on business	0.4
17	Legal expenses and consultancy fees	0.2
18	Workshop and yard rents, sheds, garages and supplies	2.2
19	Salaries of workshop and yard storekeepers, drivers, foremen, mechanics and workmen.	0.4
	Total	6.0

**Reference:** Construction Industry Development Authority (CIDA)

- **Allowances to be made in the rates for the works on upper floors**

The rates included in this BSR are prepared only for the ground floor items. To obtain the rates for the other floors, the ground floor rates should be multiplied by the following factors.

Table-05: Applicable factors for preparing upper floor Rates

	<b>Ground to 1st floor</b>	<b>Ground to 2nd floor</b>	<b>Ground to 3rd floor</b>
Formwork (sqr)	2%	4%	6%
Concrete (cube)	3%	5%	7%
9" Brickwork (sqr)	5%	7%	9%
9" brickwork (cube) / R.R. Masonry	5%	7%	10%
4½" brickwork (sqr)	5%	7%	10%
Steel reinforcement (cwt)	2.5%	5%	8%
Plastering (sqr)	5%	10%	15%
External Painting (sqr)	3%	6%	9%
Floor tiling (sqr)	2%	4%	6%
Wall tiling (sqr)	2%	4%	6%
Roof Calicut tiles (sqr)	3%	6%	9%
Roof asbestos (sqr)	3%	5%	7%
Roof Zn/Al (sqr)	3%	5%	7%
Ceiling work	3%	5%	7%

- **Imported Materials**

Materials approved by the Engineer to be used when imported materials are allowed.

- **Aluminum works**

a. All aluminium metalwork shall comply with specifications AA6063, T5 or BS 1474 of 1972. Special attention should be drawn to the following details.

- \* Alloy – AA6063
- \* Temper–T5
- \* Tensile strength–155 N/sq.mm (minimum
- \* Anodizing Thickness–10-15 Micron and should be confirmed to BS 3987 - 1974
- \* Powder Coating Thickness– 60-80 micron and should be confirmed to BS 6496: 1984
- \* Sample should be approved by Engineer / Architect
- \* Thickness of extrusions for windows & partition–1.2 mm + 10
- \* Thickness of extrusion for door–1.5 mm + 10% door

Size of extrusion in members of Doors, Windows and Partitions.

- \* The visible finish size of the sash to be a minimum of 65 mm
- \* Width of frame members in doors–100 mm
- \* Width of frame members in sliding doors–70 mm
- \* Width of frame in casements window–60 mm
- \* Width of partition & shop front–76 mm

b. The colour anodized finish shall be a coating of non-fading and hard organic type in dark Bronze colour (Lower limit) compatible with the colour used.

c. All extruded aluminium alloy sections shall be bronze anodized to a thickness of 15–20 microns. The bidder should furnish a manufacturer's certificate that the anodized finish complies with the specified micron content.

d. Screws used in the construction of frames shall be high tensile stainless steel or a non-corrosive material compatible with aluminium.



- **Zinc/Alum Roofing**

- **Zinc Aluminium coated profiled steel sheets**

- Material shall be done in accordance with ASTM A792M
    - Coating mass is AZ150 (Minimum 150 gms/sq.m total on both sides) Zinc Alum profile roofing sheet.
    - The nominal base metal thickness (BMT) should be 0.42 mm and total coated thickness (TCT) not less than 0.47 mm, HI-Tensile steel with minimum 550 Mpa yield strength, metallic hot dip coated Aluminium-Zinc Alloy (55% Aluminium, 43.5% Zinc, 1.5% Silicon)
    - The minimum rib size is 28 mm
    - Fasteners must comply with Australian Standard AS 3566 Class 4 for outdoor use. For maximum water tightness, always position roof screws through the crests. For walling, you may use Either crest or valley fixing.

- **Waterproofing**

For waterproofing, cementitious, elastomeric or bituminous materials shall be used, according to the situation. This should be approved by the Engineer described in the contract agreement.

- **For electrical cable sections given in BSR, the following table should be followed**

Table-06: Standard cable sizes for Electrical Installations

<b>Conductor cross-section mm<sup>2</sup></b>	<b>Conductor cross-section a/dia. (mm)</b>
<b>mm<sup>2</sup></b>	
1.0	1/1.13
1.5	1/1.38
1.5	7/0.53
2.5	7/0.67
4.0	7/0.85
6.0	7/1.04
10	7/1.35
16	7/1.70
25	7/1.35
30	19/1.53

a = Number of strands

dia. = Diameter of a conductor

### Method of Measurement

- Bill of Quantities have been generally prepared according to the Standard Method of Measurements for Building work in Sri Lanka (SLS 573 1999)
- Rates of each item include 10km distance transport cost for transport of sand, metal, steel, bricks. When transport distance exceeds 10 km, additional transport cost should be added using the rates in the Section Y.
- Head transport cost shall be calculated using the rates in the Section Z. The necessity of head transport shall be decided by Engineer.
- New rates shall be prepared for any item that deviates from the description of the BSR.
- All unit rates are in Sri Lankan Rupees.

### *Measurements of painting (Doors, Windows & Partitions)*

Measurement of painting when both sides are painted shall be calculated by multiplying the area of one side of the door, window or partition painted by the coefficients as below.

✓ Doors, windows or partitions fully glazed	1.25
✓ Doors, windows Glazed and paneled	1.75
✓ Doors, windows fully paneled	2.25
✓ Doors, windows Battened, ledged & braced	2.25
✓ Doors, windows with wooden louvers	3.00

- **SI-British conversion factors.**

Table 07: Conversion Table

Mass 1kg	2.204 lb
Length 1m	3.281 ft
Volume 1m <sup>3</sup>	35.315 ft <sup>3</sup>
1 Cuft	0.028 m <sup>3</sup>
1 Sqrs	9.290 m <sup>2</sup>
1 cu	2.831 m <sup>3</sup>
1 sqft	0.092 m <sup>2</sup>
1 lb	0.453 kg
1 c.w.t.	50.802 kg
1 gal	4.546 l

- **Timber for different application**

Engineer shall approve the use of timber species depending on application.

Under exceptional Circumstances, any equivalent timber to the given species may be used with the approval of the Engineer.

**Structural timber for Roof work, ceiling frames and Partitions**

*Local timber: Palu, Wewarana, Liyan, Alubo, Pihimbiya, Valdel, Mee, Milla, Halmilla, Kohomba, Micro, Kolon, Madan, Hulanhik., Treated Grandis*

*Imported timber: Balau, Kempas, Tulang*

**Valance board**

*Local timber: Ginisapu, Gammalu, Suriyamara, Hulanhik. Kolon*

*Imported timber: Tulang.*

**Floor Boarding** *Teak, Kumbuk*

**Door, Window and Fanlight**

**For Frame:**

*Local timber: Palu, Wewarana, Valdel, Mee, Milla, Halmilla, Hadawaka, Kohomba, Hulanhik.*

*Imported timber: Balau, Thulang*

**For sashes:**

*Local timber: Halmilla, Hulanhik, Sooriya mara, Kohomba*

*Imported timber: Thulang*

**Beadings** *Lunumidella, Mahogany*

# State Timber Corporation

## Timber Classifications

Extracted from <http://www.timco.lk/stc/files/CLASSIFICATIONofTIMBER.pdf>

on 20/12/2023

## **CLASSIFICATION OF TIMBER**

### **(Logs & Sawn Timber)**

#### **Super Luxury Class:**

Teak, Ebony, Nedun, Calamander

#### **Luxury Class:**

Satin, Halmilla, Milla, Mahogany (Narrow-leaved), Mahogany (Broad-leaved), Jak

#### **Special Class Upper:**

Gammalu, Hulanhik, Margosa, Suriyamara, Rannai, Wewarana, Kolon, Velang, Palu

#### **Special Class:**

Tamarind (Hard Wood), Kumbuk, Eucalyptus microcorys

#### **Class I:**

Tawwana, Uva Mandora, Munamal, Ubberiya, Eucalyptus Pilularis, Eucalyptus Citriodora, Accasia Melanoxylon, Panakka, Hora, Kiriambiliya, Urukanu or Uruhonda, Mandora, Pihimbiya, Etathimbiriya or Ginikulu, Helamba, Del, Liyan, Neralu, Madan, Kon, Kirikon, Wanami, Mi, Na (Mesua ferrea), Ketakela, Pathkela & Keeriya, Trestania comserta, Paramara, Hedawaka, Treated Grandis, Damba, Dambu, Domba.

#### **Class II:**

All Dun species other than Thiniyadun, All Keena species other than Walukeena, Alubo, Dawata, Dawul-Kurundu, Godapara, Halmandora, Panamora, Wa, Welipenna, Toona, Mary, Karaw, Panu-Dan, Rathatiya, Thimbiri, Derana, Na Imbul, Gonapana, Thiththeta, Kosganna, Kiripedda, Talang, Eucalyptus Grandis, Cypress, Ethdemata, Ginisapu, Ehela, Boron Treated Sawn Rubberwood, Alastoniya (Havari Nuga), Boron Treated Sawn Pinus, Eucalyptus Robusta (Red Gum), Eucalyptus Globulus (Blue Gum), Comporta, Redness, Coconut, Eucalyptus Thoraliyana, Eucalyptus Kamaldensis, Kaya, Eucalyptus Tereticornis, Accacia docaran, Accacia mangium, Lunumidella.

#### **Class III:**

Arida, Malabada, Diyathaliya, Pinus, Thelambu, Bath-hik, Atamba, Bulu, Kahata, Rubber, Rata-Amba (Mango), Ratadel, Davu, Godakaduru, Gokatu, Sabbukku (Graviliya), Godakirilla, Mora, Kataboda, Goraka, Tammarin (Sapwood), Bakme, Kakuna, Casurina (Kasa Kasa), Beli, Dunumandala, Batadomba.

#### **Class III Others:**

All species are not otherwise classified.



**General Manager**  
**State Timber Corporation**  
**2019.12.03**

## **Testing of Precast Concrete products**

- **Cement Blocks**

*The test report shall be submitted by the contractor on compressive strength for every 500 cement blocks supplied to the site. When the number of blocks involved in the project is less than 500, the engineer shall decide the necessity of the test.*

- **Interlock Blocks**

*The test report shall be submitted by the contractor on compressive strength for every 800 interlock block supplied to the site. When the number of blocks involved in the project is less than 800, the engineer shall decide the necessity of the test.*

- **Fence Posts.**

*The test report shall be submitted by the contractor on the compressive strength of concrete(Rebound Hammer Test) for every 15 number of fence posts*

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION C - DEMOLITION / ALTERATION / REPAIR AND MAINTENANCE</b>			
	<b>C1 DEMOLITIONS</b>			
	<b>Hacking up pavings</b>			
C-001	Demolishing Hacking up & clearing debris away of floor paving brick or rubble inclusive of rendering.	m2	207.00	241.00
C-002	Demolishing Hacking up & clearing debris away of floor concrete inclusive of rendering.	m2	277.00	321.00
	<b>C1.6 - Brickwork and Masonry</b>			
C-003	Demolishing bricks / Masonry block walls up to 112.5mm thick inclusive of plaster and any fixtures including debris cleared away.	m2	554.00	643.00
C-004	Demolishing bricks / Masonry block walls thickness 112.5 mm to 225mm , inclusive of plaster and any fixtures including debris cleared away.	m2	511.00	593.00
C-005	Demolishing and clearing debris of 225mm wide drain in brick masonry.	m	274.00	318.00
C-006	Demolishing rubble masonry in cement and sand inclusive of plaster and any fixtures, rubble stacked and removing debris .	m3	2,829.00	3,282.00
	<b>C1.8 - Flooring and Ceiling</b>			
C-007	Demolishing & clearing tiled, glazed floor or wall.	m2	551.00	639.00
C-008	Removing asbestos ceiling including timber framework, stacking serviceable materials and debris cleared away. in single storied building.	m2	363.00	421.00
	<b>C1.9 - Roofs</b>			
C-009	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof excluding frame work in single storied buildings.	m2	78.00	91.00
C-010	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof including framework inclusive of wiring and fixtures, gutters, valance boards etc.. in single storied buildings.	m2	235.00	273.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-011	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof including framework inclusive of wiring and fixtures, gutters, valance boards etc.. in two storied buildings.	m2	252.00	293.00
C-012	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof excluding framework . in two storied buildings.	m2	83.00	97.00
C-013	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof including framework inclusive of wiring and fixtures, gutters, valance boards etc.. in three storied buildings.	m2	270.00	313.00
C-014	Removing & clearing debris away Corrugated sheets, iron, asbestos or aluminium alloy from roof excluding framework . in three storied buildings.	m2	89.00	104.00
C-015	Removing & clearing debris away tiles calicut or half round, removed from roof of single storied buildings excluding framework including stacking serviceable materials and debris cleared away.	m2	138.00	160.00
C-016	Removing & clearing debris away tiled roof with frame work inclusive of wiring and fixtures, gutters, valance boards etc., stacking serviceable materials and debris cleared away in single storied buildings.	m2	374.00	434.00
C-017	Removing & clearing debris away tiles calicut or half round, removed from roof of two storied buildings excluding framework including stacking serviceable materials and debris cleared away.	m2	207.00	241.00
C-018	Removing & clearing debris away tiled roof with frame work inclusive of wiring and fixtures, gutters, valance boards etc., stacking serviceable materials and debris cleared away in two storied buildings.	m2	512.00	594.00
C-019	Removing & clearing debris away tiles calicut or half round, removed from roof of three storied buildings and above excluding framework, including stacking serviceable materials and debris cleared away.	m2	277.00	321.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-020	Removing & clearing debris away tiled roof with frame work inclusive of wiring and fixtures, gutters, valance boards etc., stacking serviceable materials and debris cleared away in three storied buildings.	m2	651.00	755.00
C-021	Removing & stacking Ridges, asbestos or tile.	m	101.00	117.00
C-022	Removing & stacking Gutters, down pipes, valleys GI or PVC including specials .	m	69.00	80.00
C-023	Removing & stacking Boards, valance and barge.	m	52.00	61.00
<b>C1.10 - Truss</b>				
C-024	Removing and stacking trusses steel or timber 6.1m (20 L.ft) of span from single storied building.	nr	5,275.00	6,119.00
C-025	Removing and stacking trusses steel or timber 7.6m (25 L.ft) of span from single storied building.	nr	6,593.00	7,648.00
C-026	Removing and stacking trusses steel or timber 9.1m (30 L.ft) of span from single storied building.	nr	7,912.00	9,178.00
<b>C1.11 - Walls</b>				
C-027	Demolishing reinforced concrete walls, beams or slabs up to first floor and debris cleared away.	m3	18,173.00	21,081.00
C-028	Demolishing reinforced concrete walls, beams or slabs up to second floor and debris cleared away.	m3	19,105.00	22,162.00
C-029	Demolishing reinforced concrete walls, beams or slabs up to third floor and debris cleared away.	m3	20,503.00	23,784.00
<b>Doors &amp; Windows</b>				
C-030	Removing & stacking door or window (sash with frame) size up to 4.0m2 from existing walls.	nr	3,459.00	4,012.00
C-031	Removing & stacking Door or window (sash with frame) size over 4.0m2 from existing walls.	nr	3,907.00	4,533.00
C-032	Removing & stacking Door or window sash size up to 4.0m2 from existing frames.	m2	330.00	383.00
C-033	Removing & stacking Door or window sash only size over 4.0m2 from existing frame.	m2	496.00	575.00
<b>Sanitary fittings &amp; Accessories</b>				
C-034	Removing and staking Low-level suits, squatting closets.	nr	1,025.00	1,189.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-035	Removing & stacking Wash basins, cisterns, sinks, urinals.	nr	640.00	743.00
C-036	Removing & stacking Pipes PVC, GI.	m	33.00	39.00
	<b>C2 ALTERATIONS</b>			
C-037	Supplying & fixing approved closet squatting foot rest type (Orissa pan) with trap, supplied and fixed to working order, including connection to sewer line. Rate includes for breaking floor and concreting, cement rendering in damaged areas.	nr	13,558.00	15,727.00
C-038	Removing and re-fixing available wash basin.	nr	4,216.00	4,890.00
	<b>C2.3 - Removing finishings</b>			
C-039	Paint removing from any surfaces with blow lamp.	m2	413.00	479.00
C-040	Chipping & clearing debris away from brick wall plasters and floor rendering.	m2	310.00	359.00
C-041	Chipping & clearing debris away from concrete wall plasters and concrete floor rendering.	m2	465.00	539.00
C-042	Cement, lime and sand plaster, breaking the damaged areas and replastering with 20mm thick 1:1:5 cement, lime and sand, finished smooth with lime putty.	m2	1,628.00	1,888.00
C-043	Cement and sand rough plaster, breaking the damaged areas and replastering with 1:1:5 cement, lime and sand plaster, finished semi-rough with wooden float.	m2	1,340.00	1,554.00
C-044	Floor re-rendering with 1:3 cement and sand after demolishing and clearing damaged areas, providing expansion joints filled in 1:2 bitumen and sand (Rate including for curing).	m2	1,579.00	1,831.00
	<b>C2.4 - Removing coverings</b>			
C-045	Removing & stacking partitions, weld mesh, shelves from existing walls.	m2	301.00	349.00
C-046	Uprooting & stacking all materials barbed wire upto 5 strands fence (Barbed wire to be rolled up, Length of the fence to be measured).	m	399.00	463.00
C-047	Refixing available RCC fence posts , Rate includes for concreting 1:3:6(40mm) where necessary.	nr	1,124.00	1,304.00
C-048	Strengthening & fixing available barbed wire 14 gauge 4 points, on existing concrete or timber fence posts.	m	40.00	46.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-049	Supplying & fixing barbed wire 14 gauge 4 Points, on existing concrete or timber fence posts.	m	92.00	107.00
<b>C3 REPAIRS AND MAINTENANCE</b>				
<b>C3.2 - Brick work/ Masonry with available material</b>				
C-050	Brick work in 1:5 cement sand mortar 112.5mm thick (Nominal) using available bricks.	m2	2,034.00	2,359.00
C-051	Brick work in 1:8 cement & sand mortar 225mm thick (Nominal) or above. (using available bricks)	m3	13,224.00	15,340.00
C-052	R.R masonry in 1:5 cement and sand mortar in foundations using available rubble.	m3	18,565.00	21,535.00
<b>C3.3 - Repointing</b>				
C-053	Replacing glass panes plain / pinhead 3 mm in complete.	m2	4,036.00	4,682.00
C-054	Replacing glass panes plain / pinhead 4.6mm in complete.	m2	4,927.00	5,716.00
C-055	Fabricating and fixing Security weld mesh in open type buildings in GI weld mesh 50mm x 50mm SWG 10, welded on 40mm x 40mm x 5mm MS angle frame complete with application of two coats enamel paint over two coats of anticorrosive paint (using available weld mesh ).	m2	6,175.00	7,163.00
C-056	Fabricating and fixing security weld mesh on existing window frames complete with class 1 timber beadings, and applying two coats paint to match the existing including two coats of enamel paint & primer under coat.	m2	3,292.00	3,819.00
C-057	Laying calicut tiles (available) on roof (For scattered laying) up to 10 tiles per building only.	nr	12.00	14.00
C-058	Supplying and laying of new calicut tiles ( scattered laying where necessary) up to 25 tiles per building only.	nr	79.00	92.00
C-059	Shifting and re-laying after cleaning calicut tiles. (For measurements of area not exceeding 25 tiles).	nr	50.00	58.00
C-060	Replacing Asbestos roofing sheets with new sheets on existing frame work. with new nut and bolts, apply two coats of emulsion paint under side of sheet etc.	m2	3,210.00	3,723.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-061	Refixing available Asbestos roofing sheets on existing frame work with new nut and bolts etc. (Frame work measured separately)	m2	338.00	393.00
<b>C3.5 - Old ceilings and beams</b>				
C-062	Cleaning and placing available roof trusses in position with supplying necessary bolts and templates, 6m (20 L.ft) to 7.2m (24 L.ft) spans.	nr	16,800.00	19,488.00
C-063	Cleaning and placing available roof trusses in position with supplying necessary bolts and templates, 7.6m (25 L.ft) to 8.7m (29 L.ft) span.	nr	19,425.00	22,533.00
C-064	Cleaning and placing available roof trusses in position with supplying necessary bolts and templates, 9.1m (35L.ft)and above up to 12.2m (40 L.ft) span.	nr	22,050.00	25,578.00
C-065	Fixing available steel purlins on roof structures complete with necessary bolts, welding, cleaning and painting two coats anticorrosive paints etc.	m	418.00	485.00
<b>C3.10 - Repairing Timber</b>				
C-066	Replacing with new class 1 timber 50mm x 25mm (nominal) for reepers including application of two coats of wood preservative(stain) (Only up to 4.60m2 of roof area).	m	219.00	254.00
C-067	Replacing with new kempas timber 50mm x 25mm (nominal) for reepers including application of two coats wood preservative(stain) ( Only up to 4.60m2 of roof area).	m	451.00	523.00
C-068	Replacing with new class 1 timber 50mm x 50mm (nominal) for battens including application of two coats of wood preservative(stain) (Only up to 4.6m2 of roof area).	m	360.00	418.00
C-069	Replacing with new kempas timber 50mm x 50mm (nominal) for battons including application of two coats wood preservative(stain) ( Only up to 4.6m2 of roof area)	m	784.00	910.00
C-070	Replacing with new class 1 timber 50mm x 100mm (nominal) for joists/ rafters, including application of two coats of wood preservative (stain) ( only up to 4.6m2 of roof area).	m	1,342.00	1,557.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
C-071	Replacing with new kempas timber 100mm x 50mm (nominal) for joists/ rafters including application of two coats wood preservative (stain) ( only up to 4.6m2 of roof area)	m	2,481.00	2,878.00
C-072	Cleaning and fixing timber (available), on roof, size 50mm x 25mm.	m	79.00	92.00
C-073	Cleaning and fixing timber (available), on roof, size 50mm x 50mm.	m	86.00	100.00
C-074	Cleaning and fixing timber (available), on roof, size 100mm x 50mm.	m	385.00	447.00
C-075	Cleaning and fixing timber (available), on roof, size 100mm x 75mm.	m	385.00	447.00
C-076	Cleaning and fixing timber (available), on roof, size 125mm x 50mm.	m	385.00	447.00
C-077	Repairing and re-fixing of door and window frames ,timber if used measured separately.	nr	600.00	696.00
C-078	Repairing and re-fixing of door or window sash (timber, except beadings if used measured separately).	m2	3,229.00	3,745.00
C-079	Repairing door & window frames using treated kempas, 95mm x 45mm (Nominal).	m	2,565.00	2,975.00
C-080	Repairing door & window frames using treated kempas, 95mm x 70mm (Nominal).	m	3,647.00	4,230.00
C-081	Repairing door & window frames using Jack timber 95mm x 45mm (Nominal).	m	2,647.00	3,071.00
C-082	Repairing door & window frames using Jack timber 95mm x 70mm (Nominal).	m	3,611.00	4,189.00
C-083	Repairing door sash using class 1 or above timber up to 28mm thick planks. ( Up to 2.0m2)	nr	9,196.00	10,667.00
C-084	Repairing door sash using special class or above timber up to 28mm thick planks. ( Up to 2.0m2)	nr	10,994.00	12,753.00
C-085	Repairing glazed / panelled window sash using class 1 or above timber up to 28mm thick planks. ( Up to 1.2m2)	nr	5,366.00	6,225.00
C-086	Repairing glazed / panelled window sash using special class or above timber up to 28mm thick planks. ( Up to 1.2m2)	nr	6,266.00	7,268.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION D - EXCAVATION AND EARTHWORK</b>			
	<b>D1 - Site preparation</b>			
D-001	Clearing jungle along the fence.	m2	82.00	95.00
D-002	Cutting coconut trees removing root balls and stacking logs.	nr	8,712.00	10,106.00
D-003	Cutting coconut trees and removing stumps.	nr	6,150.00	7,134.00
D-004	Cutting trees girth 0.5m to 1.0m, removing root balls and stacking logs.	nr	13,905.00	16,129.00
D-005	Cutting trees girth 0.5m to 1.0m and stacking logs.	nr	8,755.00	10,155.00
D-006	Cutting trees girth 1.0m to 1.5m, removing root balls and stacking logs.	nr	20,085.00	23,298.00
D-007	Cutting trees girth 1.0m to 1.5m and stacking logs.	nr	14,935.00	17,324.00
D-008	Cutting trees girth 1.5m to 2.0m, removing root balls and stacking logs.	nr	28,840.00	33,454.00
D-009	Cutting trees girth 1.5m to 2.0m and stacking logs.	nr	23,690.00	27,480.00
D-010	Cutting trees girth 2.5m to 3.0m, removing root balls and stacking logs.	nr	48,925.00	56,753.00
D-011	Cutting trees girth 2.5m to 3.0m and stacking logs.	nr	43,775.00	50,779.00
D-012	Cutting trees girth 3.0m to 3.5m, removing root balls and stacking logs.	nr	57,680.00	66,908.00
D-013	Cutting trees girth 3.0m to 3.5m and stacking logs.	nr	52,530.00	60,934.00
	<b>D2 - Excavation</b>			
D-014	Earth excavation in top soil for preservation, average depth 200mm and stockpiling within 30m	m2	382.00	443.00
D-015	Earth excavation in leveling site inclusive of haulage up to 30m. (manual cutting only up to 450m3) Average depth <= 300mm	m2	437.00	507.00
D-016	Earth excavation in leveling site inclusive of haulage up to 30m. (manual cutting only up to 450m3) Average depth > 300mm	m3	1,911.00	2,217.00
D-017	Earth excavation in leveling site inclusive of haulage up to 30m. (machine cutting only) in ordinary soil.	m3	277.00	322.00
D-018	Excavation and levelling site in soft rock involving manual digging inclusive of haulage up to 30 m.	m3	2,817.00	3,268.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
D-019	Excavation in foundations in normal earth up to depth of 1.0 m inclusive of backfilling, compacting and disposal of surplus earth.	m3	1,911.00	2,217.00
D-020	Excavation in foundations in normal earth, depth greater than 1.0 m and up to 2.0m inclusive of backfilling, compacting and disposal of surplus earth.	m3	2,138.00	2,480.00
D-021	Excavation in foundations in normal earth, depth greater than 2.0 m inclusive of backfilling, compacting and disposal of surplus earth.	m3	2,817.00	3,268.00
D-022	Excavation in foundations in soft rock requiring manual digging, up to a depth of 1.0m inclusive of backfilling and disposal of surplus materials.	m3	2,415.00	2,801.00
D-023	Excavation in foundations in soft rock requiring manual digging, depth greater than 1.0m and up to 2.0m inclusive of backfilling and disposal of surplus materials.	m3	2,868.00	3,327.00
D-024	Excavation in foundations in soft rock requiring manual digging, depth greater than 2.0m inclusive of backfilling and disposal of surplus materials.	m3	3,773.00	4,377.00
D-025	Excavation in wells / pits in normal earth up to depth of 1.0m inclusive of backfilling behind wall / ring and disposal of surplus earth, rate excluding for shoring.	m3	1,911.00	2,217.00
D-026	Excavation in wells / pits in normal earth 1.0m to 2.0m depth inclusive of backfilling behind wall /ring and disposal of surplus earth, rate excluding for shoring.	m3	2,364.00	2,743.00
D-027	Excavation in wells / pits in normal earth 2.0m to 3.0 m depth inclusive of backfilling behind wall /ring and disposal of surplus earth, rate excluding for shoring.	m3	3,270.00	3,793.00
D-028	Excavation in wells / pits in normal earth 3.0m to 4.0m depth inclusive of backfilling behind wall /ring and disposal of surplus earth, rate excluding for shoring.	m3	4,679.00	5,427.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>D4 - Breaking out existing material</b>			
D-029	Rock Requiring blasting & pilling inclusive of haulage up to 30 m. Payable on rubble measurement only. (Rubble volume measured as - Pilling measurement X 0.75)	m3	6,582.00	7,635.00
D-030	Rock Requiring blasting and remove the blasted rock from the site (within 10km)	m3	5,698.00	6,610.00
D-031	Rock excavation in column footings or wall foundations.	m3	9,710.00	11,263.00
	<b>D7 - Earth work Support</b>			
D-032	Shoring for excavations (Trenches / Footings etc.) up to 1.5m height. (Using Timber planks)	m2	1,128.00	1,308.00
D-033	Shoring for excavations up to 3m height.All as per detail drawing No .CPC/CS/11/04/2017/Type-ST/03	m2	13,893.00	16,116.00
	<b>D8 - Disposal</b>			
D-034	Bailing out and cleaning of well total depth up to 3.0m (measured, capacity of well below water table).	m3	826.00	958.00
D-035	Bailing out and cleaning of well total depth up to 4.8m (measured, capacity of well below water table).	m3	1,653.00	1,917.00
D-036	Bailing out and cleaning of well total depth up to 7.5m (measured, capacity of well below water table).	m3	2,314.00	2,685.00
D-037	Extra over excavation for removing boulders size exceeding 0.05m <sup>3</sup> ,in any manner (Volume of each boulder measured as 0.75 x Average height x Squared area).	m3	4,416.00	5,123.00
D-038	Depositing and spreading haulage of earth more than 30m away from site by any means.	m3	552.00	640.00
D-039	Levelling ground to required grading cutting lumps and spreading and compacting manually.	m2	55.00	63.00
D-040	Disposal of surplus earth, inclusive of loading and unloading and transport up to 10 km.(Using Machine)	m3	407.00	472.00
	<b>D9 - Filling</b>			
D-041	Filling earth and compacting (as approved by Engineer) 150mm layers in large quantities. Rate includes for transport of 30 m.	m3	2,033.00	2,358.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
D-042	Filling earth and compacting (as approved by Engineer) 150mm layers under floors. Rate includes for transport of 30 m.	m3	2,310.00	2,680.00
D-043	Compacting approved gravel, filled in 150mm layers by manual tamping as specified. (Gravel available at site)	m3	1,373.00	1,593.00
D-044	Compacting approved gravel in 150mm layers by any means except manual tamping as specified. (Gravel available at site)	m3	585.00	678.00
D-045	Supplying and spreading river sand in layers as specified under foundations, drainage sand blankets, filters, around soakage pits, wells etc.	m3	5,598.00	6,493.00
D-046	Sand filling under foundations. (As a cushion)	m3	5,732.00	6,649.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION F - CONCRETE WORKS</b>			
	<b>F1 - Insitu concrete</b>			
F-001	Mixing and placing in position concrete grade 30, nominal mix 1:1:2 (20mm) using a concrete mixer including fuel / operator / handling/vibrator & curing.	m3	44,301.00	51,389.00
F-002	Mixing and placing in position concrete grade 25, nominal mix 1:11/2:3 ( 20mm) using a concrete mixer including fuel / operator / handling/vibrator & curing.	m3	36,931.00	42,840.00
F-003	Mixing and placing in position concrete grade 20, nominal mix 1:2:4 ( 20mm) using a concrete mixer including fuel / operator / handling/vibrator & curing.	m3	33,574.00	38,946.00
F-004	Mixing and placing in position concrete 1:21/2:5(25mm) using a concrete mixer including fuel / operator / handling/vibrator & curing.	m3	26,508.00	30,749.00
F-005	Mixing and placing in position concrete 1:3:6 (40mm) using a concrete mixer including fuel / operator / handling & curing.	m3	25,841.00	29,976.00
F-006	Mixing and placing in position concrete grade 20, nominal mix 1:2:4 ( 20mm) manually including compacting and curing.	m3	36,370.00	42,189.00
F-007	Mixing and placing in position concrete 1:21/2:5(25mm) manually including compacting and curing.	m3	29,657.00	34,402.00
F-008	Mixing and placing in position concrete 1:3:6 (40mm) manually including compacting and curing.	m3	28,990.00	33,629.00
F-009	Rate of placing, poker vibrating, leveling and curing of Ready mixed concrete of any grade. (Cost of Ready mix concrete is not included.)	m3	2,525.00	2,929.00
	<b>F2 - Form Work</b>			
F-010	Sawn timber formwork in class III timber for ground concrete work with side support or props, at ground level plinth beams, lintels etc. including fixing and dismantling.	m2	1,792.00	2,079.00
F-011	Sawn timber form work in class III timber with bearers, joist and props including fixing and dismantling for underside of first floor slab.	m2	1,975.00	2,291.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
F-012	Sawn timber formwork in class III timber with side support using props for columns mould including fixing, and dismantling in ground floor.	m2	3,556.00	4,125.00
F-013	Sawn timber form work in class III timber with bearers, joist and props including fixing and dismantling for underside of first floor beams.	m2	4,431.00	5,140.00
F-014	Sawn timber form work in class III timber with bearers, joist and props including fixing and dismantling for portal frames.	m2	3,070.00	3,562.00
<b>F3 - Reinforcement</b>				
F-015	Mild steel reinforcement bend to shape laid in position and tied with G.I. wire as directed.Including spaces & chairs.	Kg	557.00	646.00
F-016	Tor steel reinforcement bend to shape laid in position and tied with G.I. wire as directed.Including spaces & chairs.	Kg	557.00	646.00
<b>Flag Post</b>				
F-017	2400mm x 825mm x 450mm platform with 75mm thick 1:3:6 (40mm) base & 2400mm x 300mm x 225mm step in rubble and 75mm thick 1:2 :4 (20mm) concrete topping. Inclusive of 1:3 cement and sand rendering finished smooth with coloured cement floating and polishing and providing three numbers 2"dia.(O.D.),2.9 mm tk. G.I.pipe flag post complete with painting (two coats of metal primer and two coats of enamel) and provide necessary arrangements for hoisting the flag as per the drawing No.CPC/CS/11/04/2017/Type-ST/02(i).	No	73,289.00	85,016.00
F-018	3300mm x 1350mm x 600mm platform for Flag Post with 1:2:4 (20mm) concrete and 1:3 cement and sand rendering finished smooth with coloured cement floating and polishing and providing three numbers 2" dia. (O.D.) (2.3mm tk) G.I.pipe flag post complete with painting (two coats of metal primer and two coats of enamel) and provide necessary arrangements for hoisting the flag. All shall be to working order as per the drawing Nos..CPC/CS/11/04/2017/Type-ST/02(i). CPC/CS/11/04/2017/Type-ST/02(ii).	No	183,717.00	213,111.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>Concrete catch pits / valve chambers</b>			
F-019	Concrete catchpits / valve chambers in 50 mm thick 1:2:4(20mm) concrete side walls and internal faces cement rendered with 1:3 cement and sand finished smooth, to be watertight, inclusive of provision for necessary pipe connection etc, with suitable cover or grating on top to be flush with floor level. Internal dimensions 150mm x 150mm x 300mm.	No	1,701.00	1,566.00
F-020	Concrete catchpits / valve chambers in 50 mm thick 1:2:4(20mm) concrete side walls and internal faces cement rendered with 1:3 cement and sand finished smooth, to be water tite, inclusive of provision for necessary pipe connection etc, with suitable cover or grating on top to be flush with floor level. Internal dimensions 150mm x 150mm x 450mm.	No	1,731.00	2,008.00
F-021	Concrete catchpits / valve chambers in 50 mm thick 1:2:4(20mm) concrete side walls and internal faces cement rendered with 1:3 cement and sand finished smooth, to be water tite, inclusive of provision for necessary pipe connection etc, with suitable cover or grating on top to be flushed with floor level. Internal dimensions 300mm x 300mm x 450mm.	No	3,707.00	4,300.00
F-022	Extra over concrete chamber for earth electrode in 50mm thick 1:2:4(20mm) concrete side walls with R.C.C cover slab on top. internal dimensions 150mm x 150mm x 300mm.	No	1,808.00	2,098.00
	<b>Drain</b>			
F-023	Drain 225mm X 150mm (average depth) concrete 1:2 1/2:5 (25mm) 75mm thick, provide expansion joints at 3000mm crs 12mm thick , 1:3 cement, sand rendering finished smooth, including necessary excavation, form work, laying polythene membrane under concrete and laid to required slope.	m	2,718.00	3,819.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
F-024	Drain 225mm X 300mm(average depth) concrete 1:2 1/2:5 (25mm) 75mm thick, provide expansion joints at 3000mm crs 12.5mm thick , 1:3 cement, sand rendering finished smooth, including necessary excavation, form work, laying polythene membrane under concrete and laid to required slope.	m	5,317.00	6,168.00
F-025	Drain 225mm x 450mm(average depth) concrete 1:2 1/2:5 (25mm) 75mm thick, provide expansion joints at 3000mm crs 12.5mm thick , 1:3 cement, sand rendering finished smooth, including necessary excavation, form work, laying polythene membrane under concrete and laid to required slope.	m	6,619.00	7,678.00
F-026	750mm wide ramp and 225mm X 150mm(average depth) drain in 1:2 1/2:5(25mm) concrete 75mm thick with 1:3 plaster finished smooth, including necessary excavation, form work, providing expansion joints at 3000mm crs and laying polythene membrane under concrete and laid to required slope.	m	4,704.00	5,457.00
F-027	Concrete cover slabs 50mm thick 1:2:4 (20 mm) r/f with, 6mm dia. MS bars at bottom @ 100mm centre. both ways, 1:3 cement and sand rendering finished smooth, precast in, pieces not exceeding 600mm x 450mm placed in position as directed, providing drain holes if required.	m <sup>2</sup>	7,001.00	8,122.00
<b>Flight of Steps</b>				
F-028	Constructing flight of steps in 1:2 1/2 :5(25mm) concrete overall width 1.5m, waist 100mm on well compacted ground, waist below ground level, curb walls 150mm thick overall height 450mm in outer surface. Rate includes all formwork and 1:3 cement rendering finished smooth to exposed surfaces. size of steps 150 mm rise and 275mm tread.(Measured sloping length.)	m	19,760.00	22,921.00
F-029	Constructing landing flight of steps 1.5m wide overall base 100mm thick, curb walls 150mm thick and 150mm height externally, in 1:2 1/2:5(25mm) concrete, and 1:3.cement rendering finished smooth.	m	16,788.00	19,474.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION G - MASONRY WORKS / BRICKWORK / BLOCKWORK</b>			
	<b>G1 - WALLS</b>			
G-001	Brick work in 1:5 cement sand mortar 225mm thick (Nominal)and above in foundations up to D.P.C .	m3	26,907.00	31,212.00
G-002	Brick work in 1:8 cement sand mortar 225mm thick (Nominal)in super structure in ground floor.	m3	26,657.00	30,922.00
G-003	Brick work in 1:5 cement sand mortar 112.5mm thick (Nominal) in ground floor.	m2	3,357.00	3,895.00
G-004	Brick work in 1:5 Cement Sand Mortar 225mm thick (nominal) Large brick in ground floor.	m2	4,250.00	4,930.00
G-005	Brick work in 1:5 Cement Sand Mortar 150mm thick (nominal) Large brick in ground floor.	m2	2,540.00	2,946.00
G-006	Masonry block work 100mm thick (Nominal) in walls in cement and sand 1:5 mortar using hollow blocks made of cement and sand to the proportion of 1:10, confirming to compressive strength not less than 2N/mm2 in ground floor.	m2	2,787.00	3,233.00
G-007	Masonry block work 150mm thick (Nominal) in walls in cement and sand 1:5 mortar using hollow blocks made of cement and sand to the proportion of 1:10, confirming to compressive strength not less than 2N/mm2 in ground floor.	m2	3,209.00	3,723.00
G-008	Masonry block work 200mm thick (Nominal) in cement and sand 1:5 mortar using hollow blocks made of cement and sand to a proportion of 1:10, confirming to compressive strength not less than 2N/mm2 in ground floor.	m2	4,241.00	4,919.00
	<b>G2 - PROJECTION</b>			
G-009	R.R masonry in 1:5 cement and sand mortar in foundations.	m3	21,521.00	24,964.00
G-010	R.R masonry in 1:5 cement and sand mortar in superstructure.	m3	23,375.00	27,115.00
G-011	Providing of weep holes in retaining walls with 90mm dia. PVC down pipes including metal packing around inner mouth as directed, length of pipe up to 1050mm.	nr	891.00	1,034.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
G-012	Providing of weep holes in retaining walls with 90mm dia. PVC down pipes including metal packing around inner mouth as directed, length of pipe 1050mm to 1800mm.	nr	1,137.00	1,318.00
G-013	Providing of weep holes in retaining walls with 90mm dia. PVC down pipes including metal packing around inner mouth as directed, length of pipe 1800mm to 2250mm.	nr	1,393.00	1,616.00
G-014	Supplying and laying 1.5m x 1.0m x 1.0m galvanized gabion boxes with necessary rubble packing.	nr	26,783.00	31,068.00
G-015	Supplying and laying 2.0m x 1.0m x 1.0m galvanized gabion boxes with necessary rubble packing.	nr	35,062.00	40,672.00
G-016	Supplying and laying 1.0m x 1.0m x 1.0m galvanized gabion boxes with necessary rubble packing.	nr	19,397.00	22,500.00
G-017	Supplying and laying geotextile layer behind gabion retaining walls type T.S. 30.	m2	423.00	491.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION H - WATERPROOFING</b>			
H-001	Supplying and laying of internal angle fillet (25mmx25mm) at edges using non shrinkage grout and fiber mesh (200mm width) after clearing at edges (preparing surface for waterproofing), as per the instructions of the Engineer.	m	668.00	775.00
H-002	Waterproofing in upper floor bathrooms, water tanks etc. with waterproofing agent approved by the Engineer, (Barralastic or equivalent) apply two coats after well cleared surface.	m2	4,697.00	5,449.00
H-003	Waterproofing with cementitious waterproofing agent approved by the Engineer, (Xypex or equivalent) apply two coats after well clearing and preparation of surface.	m2	3,454.00	4,007.00
H-004	Waterproofing with cementitious waterproofing agent approved by the Engineer, (Thoroseal or equivalent) apply two coats after well clearing and preparation of surface. Damp proofing, width > 300mm	m2	2,445.00	2,836.00
H-005	20mm thick damp proof course in 1:2 cement and sand trowelled smooth and applied two coats of hot tar, blinded with sand. Damp proofing, width > 300mm	m2	2,026.00	2,351.00
H-006	Supplying and laying of water bar, including underlay recessed to the early stage and new stage concrete with surface treatments as per the instructions of the Engineer.	m	3,012.00	3,494.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION J - STRUCTURAL METAL WORKS FOR STEEL IN FRAMED STRUCTURES / ALUMINUM IN FRAMED STRUCTURES / METAL WORK IN UNFRAMED STRUCTURES</b>			
J-001	Supplying & Fixing Lipped Channel Size 100 mmx 50 mm 12mm x 2mm thick GI necessary nut & Bolts 6mm thick clear & Welding Works etc.	m	3,089.00	3,584.00
J-002	Supplying & Fixing Lipped Channel Size 150 mmx 65 x 14mm x 2mm thick GI including prepare & necessary nut & Bolts 6mm thick clear & Welding Works etc.	m	4,293.00	4,980.00
J-003	Fabricating and fixing Steel sections 2/ 62mm x 62mm x 6mm used in gable rafters purlins etc.complete with fixing, bolts, 2 coats of anticorrosive paint and providing cleats where necessary . (Concrete pad paid separately)	m	5,829.00	6,762.00
J-004	Supplying, fabricating and erecting Web truss 20-40 feet span and pitch 10-45 degree with Top and Bottom Chord 2/65x65x6mm and Internal members single angle 50x50x5mm, 10mm thick Gusset plate, 12mm thick base plate rate including welding and two coats of anticorrosive paint and placing in position. CPC/CS/11/04/2018/TYPE-TR/01(i),(ii) CPC/CS/11/04/2018/TYPE-TR/02(i),(ii) CPC/CS/11/04/2018/TYPE-TR/03(i),(ii) CPC/CS/11/04/2018/TYPE-TR/04(i),(ii) CPC/CS/11/04/2018/TYPE-TR/05(i),(ii)	Kg	559.00	648.00
J-005	Fabricating and erecting "I" section truss 20-30 feet span and pitch 10-45 degree including two coats of anti corrosive paint and placing in position. (Truss Spacing 15'-0"-20'-0")Sag rod to be paid separately. As per drawing No. CPC/CS/11/04/2018 TYPE-R/02/1, CPC/CS/11/04/2018 TYPE-R/02/2, CPC/CS/11/04/2018 TYPE-R/02/3	Kg	518.00	601.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
J-006	Fabricating and erecting "I" section truss 30-40 feet span and pitch 10-45 degree including two coats of anti corrosive paint and placing in position. (Truss Spacing 15'-0"-20'-0")Sag rod to be paid separately. As per drawing No. CPC/CS/11/04/2018 TYPE-R/04/1, CPC/CS/11/04/2018 TYPE-R/04/2, CPC/CS/11/04/2018 TYPE-R/04/3	kg	453.00	526.00
J-007	Fabricating and erecting "I" section truss 20-30 feet span and pitch 10-45 degree including two coats of anti corrosive paint and placing in position. (Truss Spacing 15'-0"maximum) As per drawing No. CPC/CS/11/04/2018 TYPE-ITR/01/1, CPC/CS/11/04/2018 TYPE-ITR/01/2,	kg	518.00	601.00
J-008	Fabricating and erecting "I" section truss 30-40 feet span and pitch 10-45 degree including two coats of anti corrosive paint and placing in position. (Truss Spacing 15'-0"maximum) As per drawing No. CPC/CS/11/04/2018 TYPE-R/03/1, CPC/CS/11/04/2018 TYPE-R/03/2,	kg	453.00	526.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION K - METAL WORK</b>			
	<b>K.1 Windows</b>			
K-001	Fabricating and fixing Anodized aluminium glazed window with operable sash with aluminium architectural sections with 10 - 15 micron coating glazed 4.6 mm thick glass including all necessary rubber beading, rawl plug etc.(The used sections are CA 1009, CA 1010, CA 2005, 70SM 1011)	m2	28,133.00	32,634.00
K-002	Fabricating and fixing Anodized Aluminium glazed fanlight with openable sash with aluminium architectural sections with 10 - 15 micron coating glazed 4.6 mm thick glass including all necessary rubber beading, rawl plug etc.(The Used sections are -CA-1009, CA 1010, CA 2005, 70SM 1011)	m2	37,949.00	44,021.00
K-003	Fabricating and fixing Anodized aluminium sliding window with aluminium architectural sections with 10 - 15 micron coating glazed with 4.6mm thick glass including all necessary rubber beading, rawl plug etc.(The used sections are 70S 1001, 70S 1101 -1, 70S 1201 - 1, 70S 1401, 70S 1501, 70S 1601, 70S 1701)	m2	21,481.00	24,918.00
K-004	Fabricating and fixing Powder coated aluminium glazed window with openable sash with aluminium architectural sections with 60 - 80 micron coating with 4.6 mm thick glass including all necessary rubber beading, rawl plug etc.(The used sections are CA 1009, CA 1010, CA 2005,70SM 1011)	m2	28,872.00	33,492.00
K-005	Fabricating and fixing Powder coated aluminium glazed fanlight with openable sash with aluminium architectural sections with 10 - 15 micron coating glazed 4.6 mm thick glass including all necessary rubber beading, rawl plug etc.(The Used sections are CA-1009, CA 1010, CA 2005, 70SM 1011)	m2	38,950.00	45,182.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
K-006	Fabricating and fixing Powder coated aluminium glazed sliding window with aluminium architectural sections with 60 - 80 micron coating with 4.6mm thick glass including all necessary rubber beading, rawl plug & window lock etc.(The used sections are 70S 1001, 70S 1101 -1, 70S 1201 - 1, 70S 1401,70S 1501, 70S 1601, 70S 1701)	m2	22,126.00	25,666.00
	<b>K.3 Louvers</b>			
K-007	Fabricating and fixing Anodized aluminium louvers panel fixed to aluminium window or doors with aluminium architectural sections with 10 - 15 micron coating including all necessary fitting etc.(Aluminium window or door measured separately).(The used sections are DG01, DG101, A -110 -AT)	m2	38,183.00	44,292.00
K-008	Powder coated aluminium louvers panel fixed to aluminium windows or doors with aluminium architectural section with 60-80 micron coating including all necessary fitting etc.(aluminium window or door measured separately.)(The used sections are DG 01, DG 101, A110AT)	m2	41,003.00	47,563.00
	<b>K.6 Doors and gates</b>			
K-009	Fabricating and fixing Anodized aluminium hinged type door sash with aluminium architectural sections with 10 - 15 micron coating glazed and panelled with 3mm plastic coated ply board to both sides at bottom and 4.6mm thick glass at top.Including door lock and handle etc.(The used sections are 100D 3105, 100D 103, 100D 101, 100D 201, 100D 301, 100D 401, 100D 501, 70SM 1011, BD - 1068)	m2	42,655.00	49,479.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
K-010	Fabricating and fixing Anodized Aluminium hinged type door sash with aluminium architectural sections with 10 - 15 micron coating glazed and panelled with 4mm cladding board at bottom and 4.6mm thick glass at top.including door lock and handle etc.(The used sections are -100D 3105, 100D 103, 100D 101, 100D 201, 100D301, 100D 401, 100D 501, 70SM 1011, BD1068)	m2	43,406.00	50,351.00
K-011	Fabricating and fixing Anodized Aluminium hinged type sash door with aluminium architectural sections with 10 - 15 micron coating glazed and panelled with 4mm cladding board .including door lock etc.(The used sections are -100D 3105, 100D 103, 100D 101, 100D 201, 100D301, 100D 401, 100D 501, 70SM 1011,BD1068)	m2	43,496.00	50,456.00
K-012	Fabricating and fixing Anodized aluminium glazed sliding type door sash with aluminium architectural sections with 10 - 15 micron coating glazed and panelled with 3mm plastic coating ply board to both sides,at bottom and 4.6mm thick glass at top ,including door lock.(The used section 70S - 1002 -1, 70S 1102 -1, 70S 1701 A, 70S 1402-1, 70S - 1801, 70S 1501, 70S 1202 - 1)	m2	19,099.00	22,155.00
K-013	Fabricating and fixing Powder coated aluminium hinged type door sash with aluminium architectural sections with 60 - 80 micron coating glazed and panelled with 3mm plastic coated ply board to both sides at bottom and 4.6mm thick glass at top.Including door lock etc.(The used sections are 100D 3105, 100D 103, 100D 101,100D 201, 100D 301, 100D 401, 100D 501,70SM 1011)	m2	43,920.00	50,948.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
K-014	Fabricating and fixing Powder coated aluminium hinged type sash door with aluminium architectural sections with 60-80 micron coating glazed and panelled with 4mm cladding board including door lock etc.(The used sections are -100D 3105, 100D 103, 100D 101, 100D 201, 100D301, 100D 401, 100D 501, 70SM 1011)	m2	44,762.00	51,924.00
K-015	Fabricating and fixing Powder coated aluminium hinged type sash door with aluminium architectural sections with 60-80 micron coating glazed and panelled with 4mm cladding board at bottom and 4.6mm thick glass at top.including door lock etc.(The used sections are -100D 3105, 100D 103, 100D 101, 100D 201, 100D301, 100D 401, 100D 501, 70SM 1011)	m2	44,672.00	51,820.00
K-016	Fabricating and fixing Powder coated aluminium glazed sliding type door sash with aluminium architectural sections with 60 - 80 micron coating glazed and panelled with 3mm plastic coating ply board to both sides,at bottom and 4.6mm thick glass at top, including door lock.(The used section 70S - 1002 -1, 70S 1102 -1, 70S 1701 A, 70S 1402-1, 70S - 1801, 70S 1501, 70S 1202 - 1)	m2	19,674.00	22,821.00
	<b>K.7 Rolled shutters</b>			
K-017	Supply and fixing Zn/Al powder coated roller door consisting 0.6mm thick zinc aluminium Powder coated sheet, pulleys, side plate with the racers and necessary U channels. All complete to working order. Excluding the covering box and electrical motor.	m2	9,441.00	10,951.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>K.10 Grilles</b>			
K-018	Fabricating & fixing Special security grill fixed for windows complete with perimeter & either side of middle opening frame in 16mm x 5mm M.S flat & 5.2mm dia. minimum MS bars at 105mm c/c horizontally and 135mm c/c vertically welded & fixed to walls with rawl plugs, screws inclusive of two coats of enamel paint and under two coats of anticorrosive paint.as per detail drawing No. CPC/CS/11/04/2017/TYPE-ST/09	m2	9,661.00	11,207.00
	<b>K.25 Wire mesh</b>			
K-019	Fabricating & fixing security weld mesh door sash with locking device, in GI weld mesh 50mm x 50mm SWG 10, welded on 40mm x 40mm x 5mm MS angle frame complete with application of two coats enamel paint over two coats of anticorrosive paint complete .as per detail drawing No. CPC/CS/11/04/2017/TYPE-ST/06	m2	18,778.00	21,783.00
K-020	Fabricating & fixing security weld mesh in open type buildings in GI weld mesh 50mm x 50mm SWG 10, welded on 40mm x 40mm x 5mm angle frame complete with application of two coats enamel paint over two coats of anticorrosive paint complete .as per detail drawing No. CPC/CS/11/04/2017/TYPE-ST/07	m2	9,726.00	11,282.00
	<b>K.26 Metal fences</b>			
K-021	Chain link mesh fence 2.0m high (Gauge 12) with 48mm outer Dia. 2.3mm tk. GI pipe at 2.9m c/c up rights and 21mm Outer Dia. 1.8mm tk. GI vertical centre bracing . 48mm Outer Dia. 2.3mm tk. GI pipe at top and bottom runners, including excavation foundation concrete work 1:2:4(20mm) welding work, painting of two coats of etching primer and finished with one coat of enamel etc.(Chain Link fence open area 2"x2") All as per detail drawing No .CPC/CS/11/04/2017/Type-CLF/01	m	8,772.00	10,176.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION L - WOOD WORK</b>			
	<b>L1 - CARPENTRY</b>			
	<b>ROOF FRAMING</b>			
L-001	Supplying and fixing class 1 timber 50mm x 25mm (nominal) for reepers including application of two coats of wood preservative (stain) (only up to 4.6m2 of roof area).	m	204.00	237.00
L-002	Supplying and fixing Kempas timber 50mm x 25mm (nominal) for reepers including application of two coats wood preservative (stain)( only up to 4.6m2 of roof area).	m	429.00	498.00
L-003	Supplying and fixing class 1 timber 50mm x 50mm (nominal) for battens including application of two coats of wood preservative (stain) (only up to 4.6m2 of roof area).	m	348.00	403.00
L-004	Supplying and fixing Kempas timber 50mm x 50mm (nominal) for battons including application of two coats wood preservative (stain) ( only up to 4.6m2 of roof area)	m	759.00	881.00
L-005	Supplying and fixing class 1 timber 50mm x 100mm (nominal) for joists/ rafters including application of two coats of wood preservative (stain) ( only up to 4.6m2 of roof area).	m	1,233.00	1,431.00
L-006	Supplying and fixing Kempas timber 100mm x 50mm (nominal) for joists/ rafters including application of two coats wood preservative (stain)( only up to 4.6m2 of roof area)	m	2,239.00	2,597.00
L-007	Supplying and fixing any size (above 100mmx50mm) class 1 timber beams including application of two coats of wood preservative (stain) (Only up to 4.6m2 of roof area).	m3	546,692.00	634,162.00
L-008	Supplying and fixing any size (above 100 mm x 50 mm) Kempas timber beams, including application of two coats wood preservative(stain) (Only up to 4.6m2 of roof area).	m3	1,450,383.00	1,682,445.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>APPLYING WOOD PRESERVATIVE ON ROOF FRAME</b>			
L-009	Applying one coat of wood preservative (stain) on roof structure for calicut tile roof, measured in plan area.	m2	236.00	274.00
L-010	Applying two coat of wood preservative (stain) on roof structure for calicut tile roof measured in plan area.	m2	447.00	519.00
L-011	Applying one coat of wood preservative (stain) on roof structure in asbestos roof measured in plan area.	m2	139.00	162.00
L-012	Applying two coat of wood preservative (stain) on roof structure for asbestos roof measured in plan area.	m2	291.00	338.00
	<b>L2 - JOINERY</b>			
	<b>TIMBER CEILING</b>			
L-013	Supplying & Fixing 19mm thick Lunumidella tongued and grooved Ceiling , underside of rafters, on existing timber frame work.	m2	3,128.00	3,628.00
L-014	Supplying & Fixing Flat Lunumidella tongued and grooved Ceiling 19mm thick complete with timber frame class 1 100mm x 50mm (nominal) joists at 0.6m crs. Rate included for application of wood preservative on timber frame work twice. (Painting measured separately).	m2	5,929.00	6,878.00
	<b>ASBESTOS CEILING</b>			
L-015	Flat asbestos ceiling Supplying & fixed with wire nails to 100mm x 50mm (nominal) joists at 1.2m c/c & 50mm x 50mm (nominal) bearers @ 0.6m c/c in class 1 timber including 35mm x 12mm (nominal) beadings and 50mm x 35mm (nominal) cove mouldings of approved timber. Rate included one coat of primer, two coats of emulsion paint to underside of ceiling and two coats of wood preservative(stain) to timber frame work.	m2	5,823.00	6,754.00
L-016	Flat asbestos ceiling Supplying & fixed with wire nails to 100mm x 50mm (nominal) joists,1.2m c/c & 50mm x 50mm (nominal) bearers at 0.6m c/c in class 1 timber including 35mm x 12mm beadings and 50mm x 35mm cove mouldings of approved timber. Rate included two coats of wood preservative (stain) on timber frame work.	m2	5,003.00	5,804.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
L-017	Fixing flat asbestos ceiling underside of rafters, timber frame work measured separately, rate included for wire nails, screws, beadings and mouldings.	m2	3,265.00	3,788.00
L-018	Fixing flat asbestos ceiling underside of steel purlins ,50mm x 50mm (nominal) class 1 timber frame not more than 1.2m x 0.6m crs.includes for wire nails, screws, beadings and mouldings and 6mm dia. mild steel hanging hooks. Rate included for application of wood preservative (stain)timber frame.	m2	4,875.00	5,655.00
	<b>TIMBER DOORS</b>			
L-019	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above, battened sash with 95mm x 45mm (Nominal) frame, in class 1 or above timber, oxidized heavy duty furniture 100mm x 62mm iron butt hinges with in side and out side 100mm barrel bolts , draw ring, painted sashes and frame, two of coats enamel paint with primer under coats.(3 Nos hinges)	m2	23,550.00	27,318.00
L-020	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above battened, sash single hung with 95mm x 45mm (Nominal) frame with, Jack timber, oxidized heavy duty furniture with inside & outside 2 nos 100mm barrel bolt & draw rings. rate included primer under coats and two coats of enamel paint.(3 Nos of hinges)	m2	26,936.00	31,246.00
L-021	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above flush panelled sash single hung with 95mm x 70mm(Nominal) frame, in treated kempas timber, oxidized heavy duty furniture, original mortise door lock approved by engineer,100mm barrel bolts 2 nos etc. rate included primer under coat & two coats of enamel paint .(3 Nos of hinges)	m2	35,891.00	41,633.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
L-022	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick, class 1 or above flush panelled sash single hung with 95mm x 70mm (Nominal) frame, Jack timber, oxidized heavy duty furniture, original mortise door lock approved by engineer, 100mm barrel bolts 2 nos etc.rate included primer under coat & two coats of enamel paint .(3 Nos of hinges)	m2	35,785.00	41,511.00
L-023	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above panelled & glazed double hung sashes and top fanlight 95mm x 70mm (Nominal) frame,treated kempas timber, oxidized heavy duty furniture, original mortise door lock approved by engineer, Oxidized barrel bolt 2 Nos of 150mm and 2 Nos of 100mm , rate included primer under coat & two coats of enamel paint.(3 pairs of hinges)	m2	33,581.00	38,954.00
L-024	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above panelled & glazed double hung sashes and top fanlight 95mm x 70mm (Nominal) frame, in Jack timber, oxidized heavy duty furniture, original mortise door lock approved by engineer, 100mm barrel bolt & 150mm barrel bolt, rate included primer under coat & two coats of enamel paint.(3 pairs of hinges)	m2	31,346.00	36,362.00
L-025	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above flush panelled, sash with 95mm x 45mm (Nominal) frame, in timber class 1 or above , oxidized heavy duty furniture with inside and outside 100mm barrel bolts in lieu of lock and rate included primer under coat & two coats of enamel paint.(3 Nos of hinges)	m2	29,615.00	34,353.00
L-026	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick class 1 or above flush panelled, with 95mm x 45mm (Nominal) frame, in Jack timber, oxidized heavy duty furniture with inside and outside 100mm bolts in lieu of lock and rate included primer under coat & two coats of enamel paint. (3 Nos of hinges)	m2	32,344.00	37,519.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
L-027	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick plywood sash with 95mm x 70mm (Nominal) treated kempas timber frame, oxidized heavy duty furniture, original mortise door lock approved by engineer, 1 Nos of 150mm oxidized barrel bolt .rate included primer under coat & two coats of enamel paint.(3 Nos of hinges)	m2	22,246.00	25,805.00
L-028	Fabricating & fixing door 28mm ( Nominal 26-28mm) thick plywood sash with 95mm x 70mm (Nominal) Jack timber frame, oxidized heavy duty furniture,original mortise door lock approved by engineer, 1 Nos of 150mm oxidized barrel bolt .rate included primer under coat & two coats of enamel paint.(3 Nos of hinges)	m2	22,140.00	25,683.00
L-029	Supplying and fixing plywood door sash approved quality including of oxidized heavy duty furniture etc. (Painting & locks measured separately).	m2	6,005.00	6,966.00
	<b>TIMBER WINDOWS</b>			
L-030	Fabricating and fixing fully glazed window 28mm thick clas 1 or above sashes and frame with nominal size 95mmx70mm using treated kempas timber complete with oxidized heavy-duty furniture,3.0mm clear / pinhead glass, including two coats of enamel paint & primer under coat.	m2	38,180.00	44,288.00
L-031	Fabricating and fixing fully glazed window 28mm thick special class sashes and 95mm x 70mm (Nominal) frame using Jack timber complete with oxidized heavy duty furniture, including two coats of enamel paint & primer under coat. (Glass thickness 3.0mm clear / pinhead).	m2	42,635.00	49,457.00
	<b>DOOR, WINDOW FRAMES</b>			
L-032	Supplying & fixing door, window frames new, measured length of timber using treated kempas, 95mm x 45mm (Nominal).	m	2,211.00	2,565.00
L-033	Supplying & fixing door, window frames new, measured length of timber using treated kempas, 95mm x 70mm (Nominal)..	m	3,241.00	3,760.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
L-034	Supplying & fixing door/ window frames with new jack timber 95mm x 45mm (Nominal)..	m	2,289.00	2,656.00
L-035	Supplying & fixing door/ window frames with new jack timber 95mm x 70mm (Nominal)..	m	3,207.00	3,721.00
L-036	Supplying & fixing door, window 28mm thick new sash glazed or panelled class 1 or above timber.	m2	14,519.00	16,843.00
L-037	Supplying & fixing door, window 28mm thick sash new glazed or panelled special or above.	m2	23,737.00	27,534.00
	<b>L3 - IRONMONGERY</b>			
	<b>DOOR FURNITURE</b>			
L-038	Supplying & fixing butt hinges brass 100mm x 62mm with brass screws.	Pair	1,963.00	2,277.00
L-039	Supplying & fixing butt hinges oxidized iron 100mm x 62mm with iron screws.	Pair	1,084.00	1,258.00
L-040	Supplying & fixing brass barrel bolts 100mm with brass screws.	nr	1,073.00	1,245.00
L-041	Supplying & fixing oxidized iron barrel bolts 100mm with iron screws.	nr	528.00	613.00
L-042	Supplying & fixing brass barrel bolts 150mm with brass screws.	nr	1,286.00	1,491.00
L-043	Supplying & fixing oxidized iron barrel bolts 150mm with iron screws.	nr	594.00	689.00
L-044	Supplying & fixing lock rim or night latch (Chinese) .	nr	2,541.00	2,948.00
L-045	Supplying & fixing double hung mortise type door lock approved by engineer.	nr	10,301.00	11,949.00
L-046	Supplying & fixing single hung mortise type door lock approved by engineer.	nr	4,847.00	5,623.00
L-047	Supplying and fixing door rings 40mm dia .	nr	446.00	518.00
L-048	Supplying & fixing hasp & staple 100mm to 150mm.( Padlock Measured separately)	nr	863.00	1,001.00
	<b>WINDOW FURNITURE</b>			
L-049	Supplying & fixing casement stays 250mm iron oxidized.	nr	435.00	505.00
L-050	Supplying & fixing casement stays 300mm brass ,circular type with brass screws.	nr	958.00	1,112.00
L-051	Supplying & fixing casement fasteners Iron oxidized .	nr	437.00	507.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION N - PARTITIONS/LININGS/SUSPENDED</b>			
	<b>DEMOUNTABLE PARTITIONS</b>			
N-001	Fabricating and fixing TYPE-01 Anodized Aluminium partition with aluminium architectural sections with 10 - 15 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides,at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	12,213.00	14,167.00
N-002	Fabricating and fixing TYPE-02 Anodized Aluminium partition with aluminium architectural sections with 10 - 15 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides,at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	13,467.00	15,621.00
N-003	Fabricating and fixing TYPE -03 Anodized Aluminium partition with aluminium architectural sections with 10 - 15 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides at top & bottom and 4.6mm thick glass at middle.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	14,286.00	16,572.00
N-004	Fabricating and fixing TYPE -04 Anodized Aluminium partition with aluminium architectural sections with 10 - 15 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides,at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	16,809.00	19,499.00
N-005	Fabricating and fixing TYPE-01 Powder coated aluminium partition with aluminium architectural sections with 60 - 80 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides, at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	12,487.00	14,485.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
N-006	Fabricating and fixing TYPE-02 Powder coated aluminium partition with aluminium architectural sections with 60 - 80 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides, at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	13,779.00	15,983.00
N-007	Fabricating and fixing TYPE -03 Powder coated aluminium partition with aluminium architectural sections with 60 - 80 micron coating, glazed and panelled with 3 mm plastic coated ply board to both sides at top & bottom and 4.6mm thick glass at middle.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	14,616.00	16,955.00
N-008	Fabricating and fixing TYPE -04 Powder coated aluminium partition with aluminium architectural sections with 60 - 80 micron coating ,glazed and panelled with 3 mm plastic coated ply board to both sides, at bottom and 4.6mm thick glass at top.(The used section SPR 105, SPR 106, SPR 110, SPR 107, SPR 4521)	m2	17,211.00	19,965.00
<b>SUSPENDED GRID SYSTEM CEILINGS</b>				
N-009	Fabricating and fixing suspended type ceiling PVC/Mineral fiber board/Cement Board ceiling with T and and L sections complete as per detailed drawing. (Ceiling panel rate not included.) Panel size 600mm x 600mm.	m2	2,002.00	2,323.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>SECTION P - ROOF COVERING / ROOF PLUMBING</b>				
<b>TILE ROOF COVERING</b>				
P-001	Supplying and laying calicut pattern tiles, in any type of roof.	m2	1,058.00	1,227.00
P-002	Forming Plaster bands in 1:1:5 cement, lime and sand to tiled roof coloured to match tiles.	m	232.00	269.00
P-003	Laying calicut pattern ridge tile bedded in cement, lime and sand mortar 1:1:5 coloured to match tiles.	m	1,057.00	1,226.00
P-004	Fixing ridge tiles (available) laid on roof, 1:1:5 cement, lime and sand bedding and coloured to match tiles.	m	772.00	896.00
<b>SHEET ROOF COVERING</b>				
<b>ZN/AL SHEET</b>				
P-005	Supplying & fixing 0.47mm thick colour Zn/Al. roofing sheets with self drilling screws (fasteners) on framework - Framework measured separately.	m2	4,714.00	5,468.00
P-006	Supplying & Fixing 0.47mm thick Zn / Al sheets- Tile profile,with self drilling Screws (Fasteners) on frame work -Frame Work Measured Separately (Single & Double roof).	m2	5,447.00	6,318.00
P-007	Supplying & Fixing 0.47mm thick Zn / Al sheets ,Tile profile ,with self drilling Screws (Fasteners) on framework - Framework Measured Separately) . (Hip roof)	m2	5,599.00	6,495.00
P-008	Supplying & Fixing 0.47mm thick Zn / Al sheets with self drilling Screws (Fasteners) on framework - Framework Measured Separately . (Hip roof)	m2	4,844.00	5,619.00
<b>ASBESTOS SHEETS</b>				
P-009	Supplying and fixing new asbestos roofing sheets confirming to SLS 9 on existing framework with new nut and bolts, apply two coats of emulsion paint under side of sheet etc. (Frame work measured separately).	m2	3,094.00	3,589.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
P-010	Supplying and fixing Asbestos roofing sheets on 62mm x 62mm x 6mm MS purlins not exceeding 1.35m crs.complete with necessary bolts / welds GI roofing bolts at not more than 0.55m crs. on every purlin, applying two coats of anti corrosive paint and applying two coats of emulsion paint underside of sheets. Rate included 20mm x 6mm flat iron brackets for fixing valance board at 0.6m c/c.	m2	5,948.00	6,899.00
	<b>FLASHING/RIDGES/CAPPINGS</b>			
P-011	Supplying & Fixing 0.47mm thick Zn / Al Flashing with self drilling Screws (Fasteners) & rawl plugs. nominal girth 470mm .	m	3,083.00	3,576.00
P-012	Fixing close fitting type asbestos ridging pairs with necessary bolts.	m	2,327.00	2,700.00
P-013	Supplying & fixing 0.47mm thick colour Zn /Al. ridge cap/ bottom ridge cap with self drilling screws (Fasteners) minimum girth 470mm.	m	2,952.00	3,425.00
P-014	Supplying & fixing 0.47mm thick colour Zn /Al. barge capping with self drilling screws (Fasteners) .	m	2,583.00	2,996.00
P-015	Supplying & fixing 0.47mm thick colour Zn /Al. edge capping with self drilling screws (Fasteners) .	m	2,583.00	2,996.00
	<b>FIXING ALUMINIUM FOIL</b>			
P-016	Supplying and laying 75mm x 75mm gauge 17 welded wire mesh under the roof as directed.	m2	470.00	546.00
P-017	Supplying and laying of laminated aluminium foil, 4mm thick double side double bubble insulation layer, under the roof as directed. (Ultra bubble reflective layer)	m2	979.00	1,135.00
	<b>ROOF PLUMBING</b>			
P-018	Supplying and fixing Gutters 0.47mm thick colour Zn /Al 457mm girth with brackets not exceeding 0.6m crs. rate includes for specials.	m	3,334.00	3,867.00
P-019	Supplying and fixing PVC gutters square type 150mm with PVC brackets not exceeding 225mm fixed to valance board using 20 mm wire nails, rate includes for specials.	m	2,016.00	2,339.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
P-020	Fabricating and fixing Valley gutters and flashing in GI sheets G22, including application of two coats of hot tar and blinding with sand (timber board measured separately) 900mm wide.	m	2,375.00	2,755.00
P-021	Supplying & Fixing 0.47mm thick Zn / Al Valley gutters including Screws. Nominal girth 470mm .	m	2,899.00	3,363.00
P-022	Supplying and fixing class 1 Timber boarding , 20mm to 25mm thick for valley gutters, flashings etc, inclusive of applying two coats of wood preservative (stain) ( Only up to 4.6m2 of roof area).	m2	9,548.00	11,076.00
P-023	Supplying and fixing valance boards beaded 225mm x 20mm thick Ginisapu, including one coat of primer and two coats of enamel paint (Flat iron bracket measured separately) .	m	1,851.00	2,147.00
P-024	Supplying & Fixing 0.47mm thick Zn / Al Valance board including Screws. Nominal girth 470mm .	m	2,534.00	2,940.00
P-025	Extra over Supplying & Fixing 20x 6mm flat iron valance board bracket at 0.6m c/c (total length 375mm) including painting anticorrosive two coats, welding works, etc.	nr	517.00	599.00
P-026	Supplying and fixing downpipes PVC 90mm dia. with brackets not exceeding 1.2m well secured to walls with plastic rawl plugs. (Rate includes for specials).	m	1,350.00	1,567.00
P-027	Supplying and fixing downpipes colour Zn/Al 0.47mm thick 100mm X 100mm with brackets not exceeding 1.2m crs. of the pipe, rate includes for specials.	m	3,606.00	4,183.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION Q - PLUMBING / SANITARY INSTALLATION</b>			
	<b>Q1 - Pipes</b>			
Q-001	Supplying and laying Pipes pvc with specials, size 63mm dia. in waste water lines, vent pipes etc. (Type 400/ Class 4)	m	1,640.00	1,903.00
Q-002	Supplying and laying Pipes PVC with specials, size 50mm dia. in wastes of sinks. Type 600.(PNT 7)	m	1,529.00	1,774.00
Q-003	Supplying and laying Pipes PVC type 600 (PNT 7) with specials, size 40mm dia. in waste of wash basins.	m	933.00	1,083.00
Q-004	Supplying and laying Pipes pvc with specials, size 63mm dia.rate includes for cutting trenches, testing and backfilling. (Type 1000/ PNT 11) .	m	2,608.00	3,025.00
Q-005	Supplying and laying Pipes PVC with specials, size 50mm dia. rate includes for cutting trenches, testing and backfilling. (Type 1000/ PNT 11) depth of the trench not less than 450mm.	m	1,766.00	2,049.00
Q-006	Supplying and laying Pipes PVC type 1000 (PNT 14) with specials, size 40mm dia. Rate includes for cutting trenches, testing and backfilling. Depth of the trench not less than 450mm.	m	1,418.00	1,646.00
Q-007	Supplying and laying Pipes PVC with specials, size 32mm dia. (Type 1000/PNT 11) rate includes for cutting trenches,testing and backfilling, depth of the trench not less than 450mm.	m	864.00	1,002.00
Q-008	Supplying and laying Pipes PVC with specials, size 25mm dia. type 1000 (PNT 11) rate includes for cutting trenches, testing and backfilling. Depth of the trench not less than 450mm.	m	709.00	823.00
Q-009	Supplying and laying Pipes PVC with specials, size 20mm dia. type 1000 (PNT 14) rate includes for cutting trenches, testing and back filling. Depth of the trench not less than 450mm.	m	534.00	619.00
Q-010	Supplying and laying Pipes PVC with specials, size 32mm dia. (Type 1000/PNT 11) on wall	m	696.00	807.00
Q-011	Supplying and laying Pipes PVC with specials, size 25mm dia. type 1000 (PNT 11) on wall	m	541.00	628.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
Q-012	Supplying and laying Pipes PVC with specials, size 20mm dia. type 1000 (PNT 14) on wall	m	365.00	424.00
	<b>Q5 - Fixtures appliances and equipment</b>			
Q-013	Supplying & fixing 20mm(1/2") dia. bidet spray approved best quality.(chromium plated)	nr	4,033.00	4,679.00
Q-014	Supplying & fixing approved cistern plastic with 20mm(1/2") chromium plated flexible hose. (Medium quality)	nr	9,991.00	11,590.00
Q-015	Supplying & fixing approved cistern plastic with 20mm(1/2") chromium plated flexible hose. (Rocel or equivalent)	nr	10,167.00	11,793.00
Q-016	Supplying & fixing approved Closet ,with working order including 20mm(1/2")dia. chromium plated angle valve and chromium plated flexible hose. (Closet cost not included.)	nr	5,809.00	6,738.00
Q-017	Supplying & fixing Bowl type approved urinal with trap and urinal flush valve complete to working order.	nr	13,444.00	15,595.00
Q-018	Supplying & fixing approved new closet squatting foot rest type (Orissa pan-Medium quality) with trap, supplied and fixed to working order including connection to sewer line.	nr	7,280.00	8,444.00
Q-019	Supplying & fixing approved new closet squatting foot rest type (Orissa pan-Rocel or equivalent) with trap, supplied and fixed to working order including connection to sewer line.	nr	16,589.00	19,243.00
Q-020	Supplying & fixing mirror for bathroom 450mm x 600mm size approved quality with screws, plugs etc.	nr	6,455.00	7,488.00
Q-021	Supplying & fixing approved sink stainless steel with single drain board with chromium plated wastewater chain, stay & waste plug (tap, brackets, water , waste water connection & brick work measured separately).	nr	10,488.00	12,166.00
Q-022	Supplying & fixing approved ceramic sink 600mm x 375mm x 175mm overall size and chromium plated swan neck type pillar tap complete with waste plug, chromium plated waste chain & stay ( water connection, waste water connection & brick work measured separately).	nr	27,306.00	31,675.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
Q-023	Supplying & fixing Wash basin with pedestal Vitreous China 575 X 450 X 820mm ( Rocell urban D or equivalent) and Chromium Plated Swan neck Type Pillar Tap (Rocell N091214 or equivalent) complete with Waste Plug (Rocell A38, A43 or equivalent), chromium plated waste chain & stay ( water connection, waste water connection & brick work measured separately).	nr	34,912.00	40,498.00
Q-024	Supplying & fixing approved sink ceramic laboratory supplying and fixing complete with waste, chromium plated waist chain, stay and waste plug. (tap, water & waste water connection, brick work measured separately).	nr	12,546.00	14,554.00
Q-025	Supplying and fixing approved corner wash basin ceramic with 20mm(1/2") dia. chromium plated pillar tap, waste plug, chain and stay.(water connection and wastewater connection measured separately).	nr	16,043.00	18,610.00
Q-026	Supplying and fixing Ceramic Corner Wash Basin (Rocell - Aqua RB.ACO.01G101.01.06 or equivalent) with 20mm(1/2") dia. Chromium plated Pillar tap - Rocel Vero or equivalent, Waste Plug (Rocell A38, A43 or equivalent), chain and stay.(water connection and wastewater connection measured separately).	nr	31,035.00	36,000.00
Q-027	Fixing wash basin supplied with 20mm(1/2") dia. Chromium plated Pillar tap - Rocel Vero or equivalent, waste plug, chain and stay.(Water connection and waste water connection measured separately).(Wash basin rate not included).	nr	17,744.00	20,583.00
Q-028	Supplying and fixing 20mm(1/2") dia. Approved, brass heavy quality chromium plated Angle Valve with 20mm(1/2") dia. P.V.C. Faucet Socket .	nr	1,937.00	2,247.00
Q-029	Supplying & fixing 20mm(1/2") pipe dia.,150mm approved chromium plated shower rose.	nr	5,662.00	6,568.00
Q-030	Supplying and fixing 20mm(1/2") pipe dia. Chromium plated Shower rose (Rocell FHS 30A or Equivalent).	nr	18,593.00	21,568.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>Q 10 - Water Tanks</b>			
Q-031	Supplying and installing 1000 L capacity water tank made of polymer materials of approved quality on sand bed. Rate for only water tank. PVC pipes, valves, fittings measured separately.	nr	20,844.00	24,179.00
Q-032	Supplying and installing 2000 L capacity water tank made of polymer materials of approved quality on sand bed. Rate for only water tank. PVC pipes, valves, fittings measured separately.	nr	34,858.00	40,436.00
Q-033	Supplying and installing 500L capacity water tank made of polymer materials of approved quality on sand bed. Rate for only water tank. PVC pipes, valves, fittings measured separately.	nr	13,744.00	15,943.00
	<b>Q 13 - Cocks</b>			
Q-034	Supplying and fixing Ball cock valve brass size 20mm dia. heavy quality.	nr	2,506.00	2,906.00
Q-035	Supplying and fixing Ball cock plastic size 25mm dia.	nr	1,482.00	1,719.00
Q-036	Supplying and fixing Ball cock plastic size 20mm dia.	nr	1,035.00	1,200.00
Q-037	Supplying and fixing Ball cock plastic size 32mm dia.	nr	1,914.00	2,220.00
	<b>Q 14 - Valves</b>			
Q-038	Supplying and fixing Gate valve ,brass, size 20mm dia. heavy quality.	nr	3,037.00	3,523.00
Q-039	Supplying and fixing Gate valve, brass, size 32mm dia. heavy quality.	nr	4,147.00	4,811.00
Q-040	Supplying and fixing Gate valve brass, size 40mm dia. heavy quality.	nr	5,962.00	6,916.00
Q-041	Supplying and fixing Gate valve brass, size 50mm dia. heavy quality.	nr	7,268.00	8,431.00
Q-042	Supplying and fixing Gate valve brass, size 63mm dia. heavy quality.	nr	11,574.00	13,426.00
Q-043	Supplying and fixing Ball valve ,brass,size 20mm dia.	nr	2,434.00	2,823.00
Q-044	Supplying and fixing Ball valve brass size 25mm dia.	nr	3,304.00	3,833.00
Q-045	Supplying and fixing Ball valve ,brass, size 32mm dia.	nr	5,207.00	6,041.00
Q-046	Supply and fix 20mm dia Chromium plated Brass Concealed Valve	nr	4,821.00	5,593.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>Q17 - Taps</b>			
Q-047	Supplying and fixing 20mm(1/2") dia. General approved chromium plated heavy quality swan neck type pillar tap with 01 No. P.V.C. Faucet Socket to existing wash basin/sink.	nr	5,944.00	6,895.00
Q-048	Supplying and fixing 20mm(1/2") dia. Approved, heavy quality chromium plated bib tap with 20mm(1/2") dia. P.V.C. Faucet Socket . (Rocell SD9A126 or equivalent)	nr	7,206.00	8,360.00
Q-049	Supplying and fixing 20mm(1/2") dia. approved plastic bib tap with 1 No.P.V.C Faucet Socket .	nr	931.00	1,080.00
Q-050	Construction of Stand post with 0.9m x 0.9m x 0.15m grade 20 concrete base and 0.15m x 0.15m x 0.75m RCC post, 20mm(1/2") plastic bib tap. Inclusive of 20mm PVC pipe connection. Concrete base and post to be rendered with 1:3 cement and sand finished smooth. (PVC supplied pipe measured separately).	nr	15,014.00	17,417.00
	<b>Q 27 - Stopcock pits, Valve chambers</b>			
Q-051	Constructing Valve chamber 225mm x 225mm x 225mm in 1:2:4(20mm) concrete, complete with RCC lid, necessary lifting hooks,R113 cement rendered in inner surfaces.	nr	5,697.00	6,608.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>SECTION S : ELECTRICAL INSTALLATIONS</b>				
	<b>Note :</b>			
	* All electrical installation shall be done according to the			
	* All MCCB, RCD, MCB and Insulators shall be European,			
	* All types of fans shall be approved quality and shall			
	* Ceiling fans shall be complied with the SLS 814 and			
	* All types of LED lamp fittings shall have minimum two			
	* Samples of all materials shall be approved by the			
<b>S-A</b>	<b>Installation of power cables in conduits</b>			
<b>S-001</b>	Supply and installation of 2 x 6 mm <sup>2</sup> Cu/ PVC/ PVC cables concealed in conduits.	m	1,206.00	1,399.00
<b>S-002</b>	Supply and installation of 2 x 10 mm <sup>2</sup> Cu/ PVC/ PVC cables concealed in conduits.	m	2,005.00	2,326.00
<b>S-003</b>	Supply and installation of 2 x 16 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	2,985.00	3,462.00
<b>S-004</b>	Supply and installation of 2 x 25 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	5,942.00	6,893.00
<b>S-005</b>	Supply and installation of 2 x 6 mm <sup>2</sup> Cu/PVC/PVC + 6 mm <sup>2</sup> E cables concealed in conduits.	m	1,793.00	2,080.00
<b>S-006</b>	Supply and installation of 2 x 10 mm <sup>2</sup> Cu/PVC/PVC + 10 mm <sup>2</sup> cables concealed in conduits.	m	2,841.00	3,296.00
<b>S-007</b>	Supply and installation of 2 x 16 mm <sup>2</sup> Cu/PVC/PVC + 16mm <sup>2</sup> E cables concealed in conduits.	m	4,140.00	4,803.00
<b>S-008</b>	Supply and installation of 2 x 25 mm <sup>2</sup> Cu/PVC/PVC + 16mm <sup>2</sup> E cables concealed in conduits.	m	7,098.00	8,233.00
<b>S-009</b>	Supply and installation of 4 x 6 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	2,393.00	2,776.00
<b>S-010</b>	Supply and installation of 4 x 10 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	3,756.00	4,357.00
<b>S-011</b>	Supply and installation of 4 x 16 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	5,487.00	6,366.00
<b>S-012</b>	Supply and installation of 4 x 25 mm <sup>2</sup> Cu/PVC/PVC cables concealed in conduits.	m	11,382.00	13,204.00
<b>S-013</b>	Supply and installation of 4 x 35 mm <sup>2</sup> PVC/XLPE/Cu cables concealed in conduits.	m	14,433.00	16,742.00
<b>S-014</b>	Supply and installation of 4 x 6 mm <sup>2</sup> Cu/PVC/PVC + 6 mm <sup>2</sup> E cables concealed in conduits.	m	2,962.00	3,436.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-015</b>	Supply and installation of 4 x 10 mm2 Cu/PVC/PVC + 10 mm2 E cables concealed in conduits.	m	4,830.00	5,602.00
<b>S-016</b>	Supply and installation of 4 x 16 mm2 Cu/PVC/PVC + 16mm2 E cables concealed in conduits.	m	6,939.00	8,050.00
<b>S-017</b>	Supply and installation of 4 x 25 mm2 Cu/PVC/ PVC + 16mm2 E cables concealed in conduits.	m	12,876.00	14,936.00
<b>S-018</b>	Supply and installation of 4 x 35 mm2 PVC/XLPE/Cu + 25 mm2 E cables concealed in conduits.	m	16,950.00	19,662.00
<b>S-B</b>	<b>Installation of power cables in casing</b>			
<b>S-019</b>	Supply and installation of 2 x 6 mm2 Cu/PVC/PVC cables concealed in casing.	m	1,337.00	1,551.00
<b>S-020</b>	Supply and installation of 2 x 10 mm2 Cu/PVC/PVC cables concealed in casing.	m	1,970.00	2,285.00
<b>S-021</b>	Supply and installation of 2 x 16 mm2 Cu/PVC/PVC cables concealed in casing.	m	2,924.00	3,392.00
<b>S-022</b>	Supply and installation of 2 x 25 mm2 Cu/PVC/PVC cables concealed in casing.	m	5,882.00	6,823.00
<b>S-023</b>	Supply and installation of 2 x 6 mm2 Cu/PVC/PVC + 6 mm2 E cables concealed in casing.	m	1,758.00	2,039.00
<b>S-024</b>	Supply and installation of 2 x 10 mm2 Cu/PVC/PVC + 10 mm2 E cables concealed in casing.	m	2,781.00	3,226.00
<b>S-025</b>	Supply and installation of 2 x 16 mm2 Cu/PVC/PVC + 16mm2 E cables concealed in casing.	m	4,478.00	5,195.00
<b>S-026</b>	Supply and installation of 2 x 25 mm2 Cu/PVC/PVC + 16mm2 E cables concealed in casing.	m	7,410.00	8,596.00
<b>S-027</b>	Supply and installation of 4 x 6 mm2 Cu/PVC/PVC cables concealed in casing.	m	2,439.00	2,829.00
<b>S-028</b>	Supply and installation of 4 x 10 mm2 Cu/PVC/PVC cables concealed in casing.	m	4,099.00	4,755.00
<b>S-029</b>	Supply and installation of 4 x 16 mm2 Cu/PVC/ PVC cables concealed in casing.	m	5,800.00	6,728.00
<b>S-030</b>	Supply and installation of 4 x 25 mm2 Cu/PVC/PVC cables concealed in casing.	m	12,341.00	14,316.00
<b>S-031</b>	Supply and installation of 4 x 35 mm2 PVC/XLPE/Cu cables concealed in casing.	m	15,006.00	17,407.00
<b>S-032</b>	Supply and installation of 4 x 6 mm2 Cu/PVC/ PVC + 6 mm2 E cables concealed in casing.	m	2,859.00	3,317.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-033</b>	Supply and installation of 4 x 10 mm <sup>2</sup> Cu/PVC/ PVC + 10 mm <sup>2</sup> E cables concealed in casing.	m	4,804.00	5,572.00
<b>S-034</b>	Supply and installation of 4 x 16 mm <sup>2</sup> Cu/PVC/ PVC + 16mm <sup>2</sup> E cables concealed in casing.	m	7,572.00	8,784.00
<b>S-035</b>	Supply and installation of 4 x 25 mm <sup>2</sup> Cu/PVC/ PVC + 16mm <sup>2</sup> E cables concealed in casing.	m	13,467.00	15,622.00
<b>S-036</b>	Supply and installation of 4 x 35 mm <sup>2</sup> PVC/XLPE/Cu + 25 mm <sup>2</sup> E cables concealed in casing.	m	17,541.00	20,348.00
<b>S-C</b>	<b>Installation of earth cable in conduits</b>			
<b>S-037</b>	Supply and installation of 6mm <sup>2</sup> earth cable concealed in conduit.	m	587.00	681.00
<b>S-038</b>	Supply and installation of 10mm <sup>2</sup> earth cable concealed in conduit.	m	884.00	1,026.00
<b>S-039</b>	Supply and installation of 16mm <sup>2</sup> earth cable concealed in conduit.	m	1,331.00	1,545.00
<b>S-040</b>	Supply and installation of 25mm <sup>2</sup> earth cable concealed in conduit.	m	2,741.00	3,179.00
<b>S-041</b>	Supply and installation of 35mm <sup>2</sup> earth cable concealed in conduit.	m	3,420.00	3,968.00
<b>S-D</b>	<b>Installation of earth cable in casing</b>			
<b>S-042</b>	Supply and installation of 6mm <sup>2</sup> earth cable concealed in casing.	m	678.00	787.00
<b>S-043</b>	Supply and installation of 10mm <sup>2</sup> earth cable concealed in casing.	m	975.00	1,131.00
<b>S-044</b>	Supply and installation of 16mm <sup>2</sup> earth cable concealed in casing.	m	1,463.00	1,697.00
<b>S-045</b>	Supply and installation of 25mm <sup>2</sup> earth cable concealed in casing.	m	2,873.00	3,332.00
<b>S-046</b>	Supply and installation of 35mm <sup>2</sup> earth cable concealed in casing.	m	3,534.00	4,099.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-E</b>	<b>Installation of armoured cables ( Underground or on trays)</b>			
<b>S-047</b>	Supply and installation of 2 x 6 mm <sup>2</sup> Cu/PVC/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	2,477.00	2,874.00
<b>S-048</b>	Supply and installation of 2 x 10 mm <sup>2</sup> Cu/PVC/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	3,092.00	3,587.00
<b>S-049</b>	Supply and installation of 2 x 16 mm <sup>2</sup> Cu/PVC/SWA/PVC cables (Excluding floor excavation, civil works or cable tray installations)	m	4,313.00	5,003.00
<b>S-050</b>	Supply and installation of 4 x 6 mm <sup>2</sup> Cu/PVC/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	3,206.00	3,719.00
<b>S-051</b>	Supply and installation of 4 x 10 mm <sup>2</sup> Cu/PVC/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	4,971.00	5,767.00
<b>S-052</b>	Supply and installation of 4 x 16 mm <sup>2</sup> Cu/PVC/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	7,624.00	8,844.00
<b>S-053</b>	Supply and installation of 2 x 25 mm <sup>2</sup> Cu/XLPE/SWA/PVC - Armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	6,385.00	7,407.00
<b>S-054</b>	Supply and installation of 4 x 25 mm <sup>2</sup> Cu/XLPE/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	10,794.00	12,521.00
<b>S-055</b>	Supply and installation of 4 x 35 mm <sup>2</sup> Cu/XLPE/SWA/PVC - armoured cables (Excluding floor excavation, civil works or cable tray installations)	m	14,667.00	17,014.00
<b>S-F</b>	<b>Earthing electrodes</b>			
<b>S-056</b>	Supply and installation of of 4 feet Cu earth electrode with 16mm diameter and other accessories in working order.	nr	2,855.00	3,312.00
<b>S-057</b>	Supply and installation of 5 feet GI pipe with 2 inch diameter as an earth electrode and other accessories in working order.	nr	4,602.00	5,339.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-G</b>	<b>Point wiring through conduits for socket outlets -13A, data &amp; telephone</b>			
<b>S-058</b>	13 A socket outlet / grouped socket outlets - point wiring to be carried out with 2 x 2.5 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	7,688.00	8,918.00
<b>S-059</b>	13 A socket outlet to be controlled by 20A D/pole switch with neon indicator - point wiring to be carried out with 2 x 2.5 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired in concealed conduit in wall and above ceiling ,to be supplied and installed in working order.	nr	11,421.00	13,248.00
<b>S-060</b>	Data socket outlet ( RJ 45 ) - point wiring to be carried out with 6U/ UTP AWG 24 CAT 6E PVC cables wired in concealed conduit in wall and above ceiling ,to be supplied and installed in working order.	nr	5,849.00	6,785.00
<b>S-061</b>	Telephone socket outlet ( RJ 11 ) - point wiring to be carried out with 2 x 0.5 mm <sup>2</sup> Single Pair - BS 10653 cables wired in concealed conduit in wall and above ceiling ,to be supplied and installed in working order.	nr	2,614.00	3,032.00
<b>S-062</b>	Telephone socket outlet ( RJ 11 ) - point wiring to be carried out with 4 x 0.5 mm <sup>2</sup> two Pair - BS 10653 cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	3,068.00	3,559.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-H</b>	<b>Point wiring through conduits for lamps and fans</b>			
<b>S-063</b>	Pendant type lamp point wiring (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduits in wall and above ceiling, to be supplied and installed in working order.	nr	4,236.00	4,913.00
<b>S-064</b>	2 numbers of pendant type lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	5,855.00	6,792.00
<b>S-065</b>	Recessed type / surface mounted type / ceiling mounted type lamp point wiring (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	3,723.00	4,319.00
<b>S-066</b>	2 numbers of recessed type / surface mounted type / ceiling mounted type lamp point to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	4,829.00	5,602.00
<b>S-067</b>	3 numbers of recessed type / surface mounted type / ceiling mounted type lamp point to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	5,935.00	6,885.00
<b>S-068</b>	Indoor bracket lamp point wiring (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order..	nr	3,723.00	4,319.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-069</b>	2 numbers of indoor bracket lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	4,829.00	5,602.00
<b>S-070</b>	Stairway lamp point wiring (including lamp switch) with two way switch - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	7,700.00	8,932.00
<b>S-071</b>	Watertight lamp point wiring (including lamp switch) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	3,723.00	4,319.00
<b>S-072</b>	2 numbers of watertight lamp points to be controlled by one lamp switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	4,829.00	5,602.00
<b>S-073</b>	3 numbers of watertight lamp points to be controlled by one lamp switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order..	nr	5,935.00	6,885.00
<b>S-074</b>	Ceiling fan point wiring completed with fan hook - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired in concealed conduit in wall and above ceiling, to be supplied and installed in working order.	nr	4,865.00	5,643.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-I</b>	<b>Point wiring through PVC casing for socket outlets -13A, data &amp; telephone</b>			
<b>S-075</b>	13 A socket outlet / grouped socket outlets - point wiring to be carried out with 2 x 2.5 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	8,135.00	9,436.00
<b>S-076</b>	13 A socket outlet to be controlled by 20A D/pole switch with neon indicator - point wiring to be carried out with 2 x 2.5 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	11,867.00	13,766.00
<b>S-077</b>	Data socket outlet ( RJ 45 ) - point wiring to be carried out with 6U/ UTP AWG 24 CAT 6E PVC cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	6,211.00	7,205.00
<b>S-078</b>	Telephone socket outlet ( RJ 11 ) - point wiring to be carried out with 2 x 0.5 mm <sup>2</sup> Single Pair - BS 10653 cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	2,977.00	3,453.00
<b>S-079</b>	Telephone socket outlet ( RJ 11 ) - point wiring to be carried out with 4 x 0.5 mm <sup>2</sup> Two Pair - BS 10653 cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	3,431.00	3,980.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-J</b>	<b>Point wiring through PVC casing for lamps and fans</b>			
<b>S-080</b>	Pendent type lamp point wiring (including lamp point) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order .	nr	4,650.00	5,394.00
<b>S-081</b>	2 numbers of pendent lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order .	nr	6,395.00	7,418.00
<b>S-082</b>	Recessed type / surface mounted type / ceiling mounted type lamp point wiring (including lamp switch) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order .	nr	4,137.00	4,799.00
<b>S-083</b>	2 numbers of recessed type / surface mounted type / ceiling mounted type lamp points (including lamp switch) to be controlled by one switch- point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order .	nr	5,369.00	6,229.00
<b>S-084</b>	3 numbers of recessed type / surface mounted type / ceiling mounted type lamp points to be controlled by one switch- point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	6,602.00	7,658.00
<b>S-085</b>	Indoor bracket lamp point wiring (including lamp switch) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	4,137.00	4,799.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-086</b>	2 numbers of indoor bracket lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	5,369.00	6,229.00
<b>S-087</b>	Stairway lamp point wiring (including lamp switch) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	8,503.00	9,863.00
<b>S-088</b>	Watertight lamp point wiring (including lamp switch) - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	4,137.00	4,799.00
<b>S-089</b>	2 numbers of watertight lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	5,369.00	6,229.00
<b>S-090</b>	3 numbers of watertight lamp points to be controlled by one switch - point wirings (including lamp switch) to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables wired with PVC casing on wall and on soffit to be supplied and installed in working order.	nr	6,602.00	7,658.00
<b>S-091</b>	Ceiling fan point wiring completed with fan hook - to be carried out with 2 x 1.0 mm <sup>2</sup> PVC insulated PVC sheathed copper cables and 2.5 mm <sup>2</sup> earth cable wired with PVC casing on wall and on soffit of the slabs to be supplied and installed in working order.	nr	5,279.00	6,123.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-K</b>	<b>Supply and installation of socket outlets - 13A, industrial type, data &amp; telephone</b>			
<b>S-092</b>	Supply and installation of of 13 A socket outlet in working order .	nr	1,242.00	1,441.00
<b>S-093</b>	Supply and installation of of 13 A socket outlet with neon indicator in working order.	nr	1,242.00	1,441.00
<b>S-094</b>	Supply and installation of of 16A / 32A 3 pin industrial socket outlet in working order.	nr	2,029.00	2,354.00
<b>S-095</b>	Supply and installation of of 16A / 32A 5 pin industrial socket outlet in working order.	nr	2,249.00	2,608.00
<b>S-096</b>	Supply and installation of of RJ45 data socket outlet in working order.	nr	3,815.00	4,426.00
<b>S-097</b>	Supply and installation of of RJ11 telephone socket outlet in working order.	nr	1,523.00	1,767.00
<b>S-L</b>	<b>Supply and installation of lamp fittings</b>			
<b>S-098</b>	Supply and installation of 7 W LED Globe in working order (Efficacy shall be equal or greater than 80 lm / W).	nr	720.00	835.00
<b>S-099</b>	Supply and installation of 12 W LED Globe in working order (Efficacy shall be equal or greater than 80 lm / W).	nr	918.00	1,065.00
<b>S-100</b>	Supply and installation of 1200mm fluorescent lamp fitting completed with prismatic diffuser and 1 number of 36W,1200mm fluorescent bulb in working order. (With electronic ballast)	nr	4,951.00	5,744.00
<b>S-101</b>	Supply and installation of 1200mm fluorescent lamp fitting completed with prismatic diffuser and 2 numbers of 36W, 1200mmx175mm(+/-10%) fluorescent bulb in working order. (with electronic ballast).	nr	5,259.00	6,100.00
<b>S-102</b>	Supply and installation of 1200mm fluorescent lamp fitting completed with opal white diffuser and 1 number of 36w,1200mm fluorescent bulb in working order. (With electronic ballast).	nr	4,688.00	5,438.00
<b>S-103</b>	Supply and installation of 1200mm fluorescent lamp fitting completed with opal white diffuser and 2 numbers of 36W, 1200mmx175mm(+/-10%) fluorescent bulbs in working order.(With electronic ballast).	nr	6,928.00	8,036.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-104</b>	Supply and installation of watertight bracket lamp (Bulkhead) with 7W LED globe (Efficacy shall be equal or greater than 80 lm / W) in working order.	nr	2,686.00	3,116.00
<b>S-105</b>	Supply and installation of watertight bracket lamp (Bulkhead) with 12 W (Efficacy shall be equal or greater than 80 lm / W) in working order.	nr	2,884.00	3,346.00
<b>S-106</b>	Supply and installation of 10W LED floodlight with IP65 rating or greater in working order. (shall have minimum two year warranty period).	nr	3,303.00	3,832.00
<b>S-107</b>	Supply and installation of 20W LED floodlight with IP65 rating or greater in working order. (Shall have minimum two year warranty period).	nr	4,884.00	5,666.00
<b>S-108</b>	Supply and installation of 30W LED floodlight with IP65 rating or greater in working order. (Shall have minimum two year warranty period).	nr	5,763.00	6,685.00
<b>S-109</b>	Supply and installation of 50W LED floodlight with IP65 rating or greater in working order. (Shall have minimum two year warranty period).	nr	11,779.00	13,663.00
<b>S-110</b>	Supply and installation of 100W LED floodlight with IP65 rating or greater in working order. (Shall have minimum two year warranty period).	nr	19,507.00	22,629.00
<b>S-111</b>	Supply and installation of recessed (ceiling embedded) type 6W LED panel lamp fitting in working order.(Shall have minimum two year warranty period).	nr	1,698.00	1,970.00
<b>S-112</b>	Supply and installation of recessed (ceiling embedded) type 12W LED panel lamp fitting in working order.(Shall have minimum two year warranty period).	nr	2,577.00	2,989.00
<b>S-113</b>	Supply and installation of recessed (ceiling embedded) type 18W LED panel lamp fitting in working order.(Shall have minimum two year warranty period).	nr	2,840.00	3,295.00
<b>S-114</b>	Supply and installation of surface mounted type 6W LED panel lamp fitting in to working order. (Shall have minimum two year warranty period).	nr	2,181.00	2,531.00
<b>S-115</b>	Supply and installation of surface mounted type 12W LED panel lamp fitting in to working order. (Shall have minimum two year warranty period).	nr	2,506.00	2,908.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-116</b>	Supply and installation of surface mounted type 18W LED panel lamp fitting in to working order. (Shall have minimum two year warranty period).	nr	3,165.00	3,672.00
<b>S-M</b>	<b>32A single phase distribution boards ( Plastic enclosure)</b>			
<b>S-117</b>	Supply and installation of 6 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 02 nos. single pole M.C.B s.	nr	22,542.00	26,149.00
<b>S-118</b>	Supply and installation of 8 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 04 nos. single pole M.C.B s.	nr	26,082.00	30,256.00
<b>S-119</b>	Supply and installation of 10 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 06 nos. single pole M.C.B s.	nr	29,675.00	34,423.00
<b>S-120</b>	Supply and installation of 12 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 08 nos. single pole M.C.B s.	nr	33,452.00	38,804.00
<b>S-121</b>	Supply and installation of 14 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 10 nos. single pole M.C.B s.	nr	37,299.00	43,267.00
<b>S-122</b>	Supply and installation of 16 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 12 nos. single pole M.C.B s.	nr	40,839.00	47,374.00
<b>S-123</b>	Supply and installation of 18 way single phase distribution board in surface mounted type plastic enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 14 nos. single pole M.C.B s.	nr	44,635.00	51,777.00
<b>S-N</b>	<b>32A single phase distribution boards ( Metal enclosure)</b>			
<b>S-124</b>	Supply and installation of 6 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 02 nos. single pole M.C.B s.	nr	25,874.00	30,014.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-125</b>	Supply and installation of 8 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 04 nos. single pole M.C.B s.	nr	30,907.00	35,853.00
<b>S-126</b>	Supply and installation of 10 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 06 nos. single pole M.C.B s.	nr	36,379.00	42,200.00
<b>S-127</b>	Supply and installation of 12 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 08 nos. single pole M.C.B s.	nr	39,919.00	46,306.00
<b>S-128</b>	Supply and installation of 14 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 10 nos. single pole M.C.B s.	nr	43,767.00	50,769.00
<b>S-129</b>	Supply and installation of 16 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 12 nos. single pole M.C.B s.	nr	47,842.00	55,497.00
<b>S-130</b>	Supply and installation of 18 way single phase distribution board in surface mounted type powder coated metal enclosure including 32A 2P MCB , 40A 2P RCD (30mA) , 14 nos. single pole M.C.B s.	nr	51,603.00	59,860.00
<b>S-0</b>	<b>63A single phase distribution boards( Plastic enclosure)</b>			
<b>S-131</b>	Supply and installation of 6 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 02 nos. single pole M.C.B s.	nr	32,590.00	37,804.00
<b>S-132</b>	Supply and installation of 8 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 04 nos. single pole M.C.B s.	nr	36,130.00	41,910.00
<b>S-133</b>	Supply and installation of 10 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 06 nos. single pole M.C.B s.	nr	39,722.00	46,078.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-134</b>	Supply and installation of 12 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 08 nos. single pole M.C.B s.	nr	43,499.00	50,459.00
<b>S-135</b>	Supply and installation of 14 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63 2P RCD (30mA) , 10 nos. single pole M.C.B s.	nr	47,347.00	54,922.00
<b>S-136</b>	Supply and installation of 16 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 12 nos. single pole M.C.B s.	nr	50,887.00	59,029.00
<b>S-137</b>	Supply and installation of 18 way single phase distribution board in surface mounted type plastic enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 14 nos. single pole M.C.B s.	nr	54,637.00	63,379.00
<b>S-P</b>	<b>63A single phase distribution boards (Metal enclosure)</b>			
<b>S-138</b>	Supply and installation of 6 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 02 nos. single pole M.C.B s.	nr	35,922.00	41,669.00
<b>S-139</b>	Supply and installation of 8 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 04 nos. single pole M.C.B s.	nr	40,955.00	47,507.00
<b>S-140</b>	Supply and installation of 10 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 06 nos. single pole M.C.B s.	nr	46,427.00	53,855.00
<b>S-141</b>	Supply and installation of 12 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 08 nos. single pole M.C.B s.	nr	49,967.00	57,961.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-142</b>	Supply and installation of 14 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63 2P RCD (30mA) , 10 nos. single pole M.C.B s.	nr	53,814.00	62,424.00
<b>S-143</b>	Supply and installation of 16 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 12 nos. single pole M.C.B s.	nr	57,890.00	67,152.00
<b>S-144</b>	Supply and installation of 18 way single phase distribution board in surface mounted type powder coated metal enclosure including 63 A 2P MCB , 63A 2P RCD (30mA) , 14 nos. single pole M.C.B s.	nr	61,605.00	71,461.00
<b>S-Q</b>	<b>Other distribution boards</b>			
<b>S-145</b>	Supply and installation of of 40A 10kA 2P MCB in plastic enclosure.	nr	5,664.00	6,570.00
<b>S-146</b>	Supply and installation of of 63A 10kA 2P MCB in plastic enclosure.	nr	11,443.00	13,274.00
<b>S-147</b>	Supply and installation of of 40A 4P MCB in plastic enclosure.	nr	18,402.00	21,347.00
<b>S-148</b>	Supply and installation of of 63A 4P MCB in plastic enclosure.	nr	24,998.00	28,998.00
<b>S-149</b>	Supply and installation of of 100 A, 4P fixed typr MCCB in a surface mounted metal enclosure.	nr	50,354.00	58,411.00
<b>S-150</b>	Supply and installation of 42 way (14 x 3) 3 row metal enclosure including 1 no. of 32A 4P MCB, 3 nos. of 32A 2P MCB, 3 nos. of 40A/ 30mA 2P RCD, 18 nos. of 1P MCB and all other necessary items including internal wiring in working order.	nr	106,256.00	123,257.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-151</b>	Supply and installation of 42 way (14 x 3) 3 row metal enclosure including 1 no. of 63A 4P MCB ,3 nos. of 63A 2P MCB, 3 nos. of 63A 30mA 2P RCD, 18 nos. of 1P MCB and all other necessary items including internal wiring.	nr	143,898.00	166,922.00
<b>S-152</b>	Supply of 1 number of 1P MCB. (6A,10A,16A,20A,25A,32A)	nr	1,247.00	1,446.00
<b>S-153</b>	Supply of 1 number of 2P MCB. (6A,10A,16A,20A,25A,32A)	nr	2,924.00	3,392.00
<b>S-154</b>	Supply of 1 number of 40A 2P MCB	nr	3,232.00	3,749.00
<b>S-155</b>	Supply of 1 number of 63A 2P MCB	nr	9,010.00	10,452.00
<b>S-R</b>	<b>Installation of surge protector</b>			
<b>S-156</b>	Supply and installation of 20kA , 385V, 2P surge protector and 1 no. of 63A 10kA 1P MCB in a 300X300X150mm metal enclouser and completed with internal wiring in working order.	nr	49,243.00	57,122.00
<b>S-157</b>	Supply and installation of 20kA, 385V, 4P surge protector and 3 nos. of 63A 100kA HRC fuse in a 300X300X150mm metal enclosure and completed with internal wiring in working order.	nr	90,971.00	105,527.00
<b>S-158</b>	Supply and installation of 40kA, 385V, 4P surge protector and 4 nos. of 63A 100kA HRC fuse in a 300X300X150mm metal enclouser and completed with internal wiring in working order.	nr	97,242.00	112,801.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>S-S</b>	<b>Installation of MCB type changeover</b>			
<b>S-159</b>	Supply and installation of 40A 2P MCB type changeover in powder coated metal enclosure in working order.	nr	7,355.00	8,532.00
<b>S-160</b>	Supply and installation of 63A 2P MCB type changeover in powder coated metal enclosure in working order.	nr	10,754.00	12,475.00
<b>S-161</b>	Supply and installation of 40A 4P MCB type changeover in powder coated metal enclosure in working order.	nr	13,854.00	16,070.00
<b>S-162</b>	Supply and installation of 63A 4P MCB type changeover in powder coated metal enclosure in working order.	nr	15,663.00	18,169.00
<b>S-T</b>	<b>Supply and installation of fans</b>			
<b>S-163</b>	Supply and installation of of type 1( complied with SLS 814) ceiling fan 1400mm dia. complete with 5 speed humfree (electrical switch size 85X85mm) regulator, safety switch and safety wire in working order - Excluding Wiring .	nr	27,998.00	32,478.00
<b>S-164</b>	Supply and installation of of type 2 (approved by the engineer) ceiling fan 1400mm dia. complete with 5 speed humfree (electrical switch size 85X85mm) regulator in working order - Excluding Wiring .	nr	16,581.00	19,234.00
<b>S-165</b>	Supply and installation of type 2 (approved by the engineer) wall fan with speed regulator in working order- excluding wiring. ( Prime cost- Rs.17 170.00 * Excluding VAT)	nr	16,165.00	18,752.00
<b>S-166</b>	Supply and installation of type 2 (approved by the engineer) 200mm dia. exhaust fan with auto shutter in working order - excluding wiring. ( Prime Cost - Rs.8 686.00 * Excluding VAT)	nr	11,074.00	12,846.00
<b>S-167</b>	Supply and installation of type 2 (approved by the engineer) 300mm dia. exhaust fan with auto shutter in working order - excluding wiring. ( Prime Cost - Rs.11 232.00 * Excluding VAT)	nr	13,336.00	15,469.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>SECTION T - FLOOR / WALL / CEILING FINISHES</b>				
<b>T1 FLOOR FINISHES</b>				
<b>T1.1 - Cement Sand Screed</b>				
T-001	Floor rendering with 1:3 cement and sand, normal cement floated surface with expansion joints filled with 1:2 bitumen sand.( Rate including for curing)	m2	1,344.00	1,559.00
T-002	Floor rendering with 1:3 cement and sand approved coloured surface with expansion joints filled with 1:2 bitumen and sand. (Rate including for curing)	m2	1,794.00	2,081.00
T-003	62mm thick floor paved with brick, and rendering 1:3 cement , finishing smooth with gray cement floating with expansion joints filled in 1:2 bitumen and sand. (Rate including for brick paved with 2:5 lime mortar and curing)	m2	4,185.00	4,854.00
T-004	62mm thick floor paved with brick, and rendering 1:3 cement , finishing smooth with gray cement floating with expansion joints filled in 1:2 bitumen and sand. (Rate including for brick paved with 2:5 lime mortar and curing). Bricks available at site.	m2	3,146.00	3,649.00
T-005	100mm high skirting in cement and sand 1:3 projected or flush to walls finished smooth with gray cement floating including forming groove.	m	767.00	890.00
T-006	100mm high skirting in cement and sand 1:3 projected or flush to walls finished smooth with coloured cement including forming groove.	m	839.00	973.00
T-007	Extra over, for waxing and polishing coloured cement floor .	m2	386.00	447.00
<b>T1.2 - Concrete</b>				
T-008	Floor concrete with 1:2 1/2:5(25mm) 75mm thick, 1:3 normal cement and sand rendering finished smooth with expansion joints filled with 1:2 bitumen and sand. Rate including for curing, compacting ground and laying polythene sheets under the concrete.	m2	3,333.00	3,866.00
T-009	Floor concrete with 1:2 1/2:5(25mm) 62mm thick, 1:3 normal cement and sand rendering finished smooth with expansion joints filled with 1:2 bitumen and sand. Rate including for curing, compacting ground and laying polythene sheets under the concrete.	m2	2,771.00	3,215.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
T-010	Floor concrete with 1:2 1/2:5(25mm) 75mm thick with expansion joints filled with 1:2 bitumen and sand rate including for the curing, compacting ground and laying polythene sheet under the concrete.	m2	1,988.00	2,307.00
T-011	Floor concrete with 1:2 1/2:5(25mm) 62mm thick with expansion joints filled with 1:2 bitumen and sand rate including for the curing, compacting ground and laying polythene sheet under the concrete.	m2	1,427.00	1,655.00
	<b>GRANITE/ CERAMIC/ CLAY, TERRAZZO/TILES, MOSAIC/ WOOD BLOCKS, PARQUET FLOORING, CONCRETE SLABS</b>			
	<b>T1.9 - Ceramic Tiles</b>			
T-012	Floor paving with approved pattern and colour ceramic floor tiles on 1:3 cement mortar, joints filled with tile grout, to match the colour of tiles and cleaning. (Cost of tile is not included)	m2	1,456.00	1,689.00
T-013	Floor paved with approved pattern and colour floor tiles (homogeneous /porcelain) with tile mortar on 1:3 cement mortar, joints filled with tile grout to match the colour of tiles and cleaning. (Tile rate not included)	m2	1,833.00	2,127.00
T-014	100mm high tile skirting approved pattern and colour ceramic floor tiles on 1:3 cement mortar, joints filled with tile grout to match the colour of tiles and cleaning. (Cost of tile is not included)	m	443.00	514.00
T-015	100mm high tile skirting approved pattern and colour floor tiles (homogeneous / porcelain) on 1:3 tile mortar, joints filled with tile grout to match the colour of tiles and cleaning. (Tile rate not included)	m	481.00	558.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>T2 WALL AND CEILING FINISHES</b>			
	<b>PLASTERED / RENDERED / ROUGHCAST COATING , MINERALS COATINGS, SPRAYED OR SPECIAL WORK, PLASTER ROAD, TERRAZZO . GRANO</b>			
	<b>T2.1 - Walls</b>			
T-016	1:1:5 cement, lime and sand plaster reveals 35mm to 150mm wide finished smooth with lime putty.	m	448.00	520.00
T-017	1:1:5 cement, lime and sand plaster to reveals 35mm to 150mm wide finished semi-rough.	m	362.00	420.00
T-017B	16mm thick cement and sand 1:5 plaster to reveals 35mm to 150mm wide finished semi-rough with wooden float.	m	358.00	415.00
T-018	16mm thick 1:1:5 cement, lime and sand plastering to walls finished smooth with lime putty.	m2	1,359.00	1,576.00
T-019	16mm thick cement, lime and sand 1:1:5 plaster finish semi-rough with wooden float.	m2	1,097.00	1,272.00
T-020	Plinth plaster 12mm thick in 1:3 cement and sand finished smooth with gray cement floating.	m2	1,133.00	1,314.00
T-021	Plinth plaster 12mm thick in 1:3 cement and sand finished smooth with coloured cement floating.	m2	1,583.00	1,836.00
T-022	Cement and sand 1:3 plaster finished smooth with lime putty on exposed faces of concrete surfaces and soffits, 10mm thick.	m2	1,972.00	2,287.00
T-023	16mm thick cement and sand 1:5 plaster finish semi-rough with wooden float.	m2	1,071.00	1,242.00
T-024	Rendering cement and sand 1:3, 20mm thick, finished smooth with grey cement floating on walls.	m2	1,647.00	1,911.00
T-025	Blackboard plastering with 1:3 cement and sand finished smooth with black cement floating including moulding at perimeter 20mm thick.	m2	2,124.00	2,464.00
T-026	Tiles glazed of approved pattern and colour with all specials fixed to walls including raking plaster and bedding in cement mortar 1:3, joints finished with tile grout to match colour of tiles and cleaning. (Tile rate not included)	m2	1,969.00	2,284.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION U - GLAZING / INFILL PANELS</b>			
	<b>GLAZING</b>			
U-001	Supplying & fixing glass panes 3mm (nominal) thick, clear/pinhead, rate includes for necessary beadings etc.	m2	3,671.00	4,258.00
U-002	Supplying & fixing glass panes 4.6mm (nominal) clear / pinhead ,rate includes for necessary beadings etc.	m2	4,562.00	5,292.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION V - PAINTING</b>			
	<b>V1 - Plastered work</b>			
V-001	Paint emulsion two coats, after preparing and applying one coat of alkali resisting primer to walls.	m2	804.00	933.00
V-002	Paint emulsion, applying one coat after cleaning and preparing surface.	m2	310.00	360.00
V-003	Paint emulsion, applying two coats after cleaning and preparing surface .	m2	567.00	658.00
V-004	Floor paint, applying one coat after cleaning and preparing surface .	m2	585.00	679.00
V-005	Floor paint, applying two coats after cleaning and preparing surface .	m2	1,305.00	1,514.00
V-006	Paint exterior emulsion, applying one coat after cleaning and preparing on surfaces .	m2	269.00	312.00
V-007	Paint exterior emulsion, applying two coats after cleaning and preparing on surfaces .	m2	505.00	586.00
V-008	Paint exterior emulsion, applying two coats for new walls after applying one coat of primer .	m2	824.00	956.00
V-009	White or colour washing , applying one coat to walls.	m2	39.00	46.00
V-010	White or colour washing , applying one coat to walls after patching up and preparing surface.	m2	89.00	104.00
V-011	White or colour washing , applying two coat to walls after scraping to original plaster and patching up.	m2	178.00	207.00
V-012	White washing, applying one coat to ceilings and soffit .	m2	103.00	120.00
V-013	White washing, applying two coat to ceilings and soffit .	m2	183.00	213.00
V-014	Skim coat compound, applying two coats on walls or soffit, finished smooth. (Preparing surface for painting)	m2	626.00	726.00
	<b>V2 - Asbestos Cement work</b>			
V-015	Paint roofing, applying two coats on roof after cleaning .	m2	519.00	602.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>V4 - Wood work / Metal Work</b>			
V-016	Paint enamel, applying two coats after cleaning and preparing surface in new wood work (inclusive of one coat of primer).	m2	1,374.00	1,594.00
V-017	Paint enamel, applying one coats after cleaning and preparing surface .	m2	597.00	693.00
V-018	Paint enamel, applying two coats after cleaning and preparing surface .	m2	1,337.00	1,551.00
V-019	Polyurethane varnish, applying two coats after sandpapering and cleaning surface .	m2	735.00	852.00
V-020	Polyurethane varnish, applying one coat for old wooden surfaces after sand papering and cleaning .	m2	541.00	627.00
V-021	Paint anti corrosive, applying one coat on steel work after removing scales and wire brushing.	m2	579.00	671.00
V-022	Paint anti corrosive, applying two coat on steel work after removing scales and wire brushing.	m2	837.00	971.00
V-023	Paint Zn Phosphate (Yellow/ Black) metal primer, two coats on steel work after removing scales and wire brushing.	m2	1,011.00	1,172.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION W - DRAINAGE SYSTEMS</b>			
	<b>W.10 Pipes</b>			
W-001	Supplying and fixing of pvc 110mm diameter (type 400) on walls with pvc brackets, Rawplug (Specials paid separately)	m	2,263.00	2,625.00
W-002	Supplying and laying of pvc 110mm diameter (type 400) on trenches excluding excavation. (Specials paid separately)	m	1,922.00	2,230.00
W-003	Supplying and fixing of pvc 160mm diameter (type 400) on walls with pvc brackets, Rawplug (Specials paid separately)	m	4,675.00	5,424.00
W-004	Supplying and laying of pvc 160mm diameter (type 400) on trenches excluding excavation. (Specials paid separately)	m	4,334.00	5,028.00
W-005	Supplying and fixing elbow pvc 110mm.	nr	2,608.00	3,025.00
W-006	Supplying and fixing, Cleaning eye bend pvc (89D) 110mm.	nr	1,989.00	2,308.00
W-007	Supplying and fixing bend PVC 110 for drainage.	nr	1,479.00	1,716.00
W-008	Supplying and fixing Tee, pvc 110mm for drainage.	nr	2,359.00	2,736.00
W-009	Supplying and fixing 150mm x 150mm PVC gully including concreting and supplying necessary grating.	nr	1,276.00	1,481.00
	<b>W.13 Manholes</b>			
W-010	Construction of manhole 600mm x 600mm x 600mm internally complete with cement concrete 1:2:4 (20mm) in 75mm thick base, 225mm to brick walls on top of base slab and channelling & benching, 1:3 cement and sand rendered in internal surfaces, 75mm thick RC. cover slab r/f with 10mm tor steel @ 150mm c/c. both ways, complete with lifting handles. Drawing No.CPC/CS/11/04/2018/TYPE-MH/01	nr	28,360.00	32,898.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
W-011	Construction of manhole 1.05m x 0.675m x 0.60m internally complete with cement concrete 1:2:4(20mm) in 75mm thick base, 225mm to brick walls on top of base slab and channelling and benching, 1:3 cement and sand rendered in internal surfaces, 75mm thick R.C.C. cover slab r/f with 10mm tor steel @ 150mm c/c. both ways, complete with lifting handles. Drawing No.CPC/CS/11/04/2018/TYPE-MH/02	nr	44,115.00	51,173.00
W-012	Construction of manhole 1.05m x 0.675m internally brick walls 225mm , 1:3 cement and sand rendered in internal surfaces extra over each additional 0.3 m depth.	nr	10,463.00	12,137.00
W-013	Construction of manhole 600mm x 600mm internally complete with brick walls 1:3 cement and sand rendered in internal surfaces, extra over for each additional 0.3m depth.	nr	7,909.00	9,174.00
<b>W.15 Soakage Pit</b>				
W-014	Construction of 1.2m diameter internal fully built type soakage pit, built up 225mm thick brick work in 1:8 cement ,sand mortar invert depth from ground level 3.0m,on 225mm x 150mm ring beam 1:2:4(20mm) concrete mix, including 1:3 cement,sand plaster finished smooth with neat gray cement (0.9m invert depth only) & 100mm high 1:2:4(20mm ) concrete ring pad above ground level, complete with 75mm thick RCC cover slab with lifting handle.All as per detail drawing No.CPC/CS/11/04/2018/TYPE-SP/03.	nr	193,812.00	224,822.00
W-015	Construction of 1.2m diameter internal semi built type soakage pit, built up 225mm thick brick work in 1:8 cement and sand mortar invert depth from ground level 0.90m, on 225mm x 150mm ring beam 1:2:4(20mm) concrete mix, including 1:3 cement and sand plaster finished smooth with neat gray cement & 100mm high 1:2:4(20mm ) concrete ring pad above ground level, complete with 75mm thick RCC cover slab with lifting handle. All as per detail drawing No.CPC/CS/11/04/2018/TYPE-SP/04	nr	86,147.00	99,931.00



**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
W-016	Construction of 1.8m diameter internal fully built type soakage pit , built up 225mm thick brick work in 1:8 cement ,sand mortar invert depth from ground level 3.0m, on 225mm x 150mm ring beam 1:2:4(20mm) concrete mix, including 1:3 cement and sand plaster finished smooth with neat gray cement (0.9m invert depth only) & 100mm high 1:2:4(20mm ) concrete ring pad above ground level, complete with 75mm thick RCC cover slab with lifting handle. All as per detail drawing No.CPC/CS/11/04/2018/TYPE-SP/05	nr	276,325.00	320,538.00
	<b>W.17 Septic tank</b>			
W-017	Construction of septic tank for 30 persons. as per detail drawing No. CPC/CS/11/04/2018/TYPE-SEPT/01-(i) and CPC/CS/11/04/2018/TYPE-SEPT/01-(ii)	nr	241,479.00	280,116.00
W-018	Construction of septic tank for 30 persons. as per detail drawing, extra over for invert depth exceeding up to 1800mm, per each additional 0.3 m.	nr	23,250.00	26,970.00
W-019	Construction of septic tank for 50 persons. as per detail drawing No. CPC/CS/11/04/2018/TYPE-SEPT/01-(i) and CPC/CS/11/04/2018/TYPE-SEPT/01-(ii)	nr	291,949.00	338,661.00
W-020	Construction of septic tank for 50 persons. as per detail drawing, extra over for invert depth exceeding up to 1800mm, per each additional 0.3 m.	nr	26,749.00	31,029.00
W-021	Construction of septic tank for 100 persons.as per detail drawing No. CPC/CS/11/04/2018/TYPE-SEPT/01-(i) and CPC/CS/11/04/2018/TYPE-SEPT/01-(ii)	nr	385,629.00	447,329.00
W-022	Construction of septic tank for 100 persons. as per detail drawing, extra over for invert depth exceeding up to 1800mm, per each additional 0.3 m.	nr	33,084.00	38,378.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SPECIAL ITEM</b>			
W-023	Supplying and laying type 400 pvc 110mm for sewer line in medium soil, joints embedded in 1:3:6(40mm) concrete including necessary excavation, backfilling, and compaction, invert depth up to 600mm.	m	2,128.00	2,469.00
W-024	Supplying and laying type 400 pvc 110mm for sewer line in medium soil, joints embedded in 1:3:6 (40mm) concrete including necessary excavation, backfilling, and compaction invert depth up to 600mm to 900mm.	m	2,306.00	2,675.00
W-025	Supplying and laying type 400 pvc 160mm for sewer line in medium soil, joints embedded in 1:3:6(40mm) concrete including necessary excavation, backfilling, and compaction invert depth up to 600mm.	m	4,537.00	5,263.00
W-026	Supplying and laying type 400 pvc 160mm for sewer line in medium soil, joints embedded in 1:3:6(40mm) concrete including necessary excavation, backfilling, and compaction invert depth to 600mm to 900mm.	m	4,714.00	5,469.00
W-027	Shallow drains in floors 75mm diameter in cement concrete 1:2:4(20mm), 75mm thick in bottom and sides including cement and sand rendering.	m	2,454.00	2,846.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION X - EXTERNAL WORK</b>			
	<b>PAVIOR</b>			
	<b>X 19 - Paving</b>			
X-001	Paving interlock blocks (strength 15N/mm <sup>2</sup> ) rough or smooth , gray colour nominal thickness 80mm with quarry dust bedding including compacting and levelling (Earth levelling and compacting measured separately)	m <sup>2</sup>	3,626.00	4,207.00
X-002	Paving interlock blocks (strength 25N/mm <sup>2</sup> ) rough or smooth , gray colour nominal thickness 80mm with quarry dust bedding including compacting and levelling (Earth levelling and compacting measured separately)	m <sup>2</sup>	3,983.00	4,621.00
X-003	Paving interlock blocks (strength 25N/mm <sup>2</sup> ) rough or smooth, colour, nominal thickness 80mm with quarry dust bedding including compacting and levelling (Earth levelling and compacting measured separately)	m <sup>2</sup>	4,698.00	5,450.00
X-004	Paving interlock blocks (strength 30N/mm <sup>2</sup> ) rough or smooth, gray colour nominal thickness 80mm with quarry dust bedding including compacting and levelling (Earth levelling and compacting measured separately)	m <sup>2</sup>	4,341.00	5,036.00
	<b>MISCELLANEOUS / GENERAL</b>			
	<b>X 41 - Turfing</b>			
X-005	Cutting turf sods, loading to hand carts and transporting up to 30 m, laying and watering for 30 days. (Royalty for turf sods, and transport beyond 30m paid separately)	m <sup>2</sup>	570.00	661.00
X-006	Preparing a filter layer behind the retaining wall using 4" dia. perforated T600 PVC pipe, geotextile , 3/4" metal packing and river sand (Waterproofing and protective layer to be paid separately). All as per the detailed drawing No.CPC/CS/11/04/2017/Type-ST/04	m	4,923.00	5,711.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>X 75 - Fencing</b>			
X-007	Fence Barbed wire , 7 strands 14 BWG with 4 points at 75mm crs and R.C.C posts 1:1 1/2:3 (20mm) concrete 1.70m high and section 150mm x 150mm at bottom and 100mm x 100mm at top, at 2.4m c/c , r/f with 4 nos 6mm dia. MS rods with 14 BWG wire stirrups at 150 mm crs. Rate to include for excavation,1:3:6(40mm) cement concrete foundations to all posts and providing straightening bolts with washers and nuts.All as per detail drawing No .CPC/CS/11/04/2017/Type-ST/05	m	3,129.00	3,629.00
X-008	Fence Barbed wire, 10 strands 14 BWG with 4 points at 75mm crs and R.C.C posts 1:1 1/2:3 (20mm) concrete 2.25m high and section 150mm x 150mm at bottom and 100mm x 100mm at top, at 2.4m c/c, r/f with 4 nos 6mm dia. MS rods with 14 BWG wire stirrups at 150 mm crs. Rate to include for excavation,1:3:6(40mm) cement concrete foundations to all posts and providing straightening bolts with washers and nuts. All as per detail drawing No .CPC/CS/11/04/2018/Type-ST/12	m	3,877.00	4,497.00
	<b>X 76 - Special Supports extra over fencing</b>			
X-009	Fence posts intermediate, or struts Casting & erecting in cement concrete 1:1 1/2:3(20mm) r/f with 4 nos 6mm dia. MS rods and 14 BWG wire stirrups at 150crs, 1.7m high and section 150mm x 150mm at bottom and 100mm x 100mm at top, as per detail drawing including fixing with 1:3:6 concrete, excavation etc.All as per detail drawing No .CPC/CS/11/04/2017/Type-ST/10	nr	5,346.00	6,202.00
X-010	Fence posts intermediate, or struts Casting & erecting in cement concrete 1:1 1/2:3(20mm) r/f with 4 nos 6mm dia. MS rods and 14 BWG wire stirrups at 150crs, 2.25m high and section 150mm x 150mm at bottom and 100mm x 100mm top, as per detail drawing including fixing with 1:3:6 concrete, excavation etc.All as per detail drawing No .CPC/CS/11/04/2018/Type-ST/11	nr	6,331.00	7,344.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
	<b>SECTION Y - SCHEDULE OF TRANSPORT</b>			
Y-001	Transport of metal, sand, gravel and earth from 10 km to 50 km, per km rate for one cubic meter. (one way)	km	55.90	64.80
Y-002	Transport of metal, sand, gravel and earth from 50 km to 100 km, per km rate for one cubic meter. (one way)	km	54.30	62.90
Y-003	Transport of metal, sand, gravel and earth beyond 100 km, per km rate for one cubic meter. (one way)	km	53.90	62.50
Y-004	Transport of cement from 10 km to 50 km, per km rate for one bag (50kg) (one way)	km	1.95	2.27
Y-005	Transport of cement from 50 km to 100 km, per km rate for one bag (50kg) (one way)	km	1.90	2.20
Y-006	Transport of cement beyond 100 km, per km rate for one bag (50kg) (one way)	km	1.88	2.19
Y-007	Transport of steel beyond 10 km, per km rate for 1000kg. (one way)	km	39.60	46.00
Y-008	Transport of bricks from 10 km to 50 km, per km rate for 1000Nos. (one way)	km	106.00	123.00
Y-009	Transport of bricks from 50 km to 100 km, per km rate for 1000Nos. (one way)	km	103.00	119.00
Y-010	Transport of bricks beyond 100 km, per km rate for 1000Nos. (one way)	km	102.00	118.00
Y-011	Transport of Calicut tile from 10 km to 50 km, per km rate for 1000Nos. (one way)	km	106.00	123.00
Y-012	Transport of Calicut tile from 50 km to 100 km, per km rate for 1000Nos. (one way)	km	103.00	119.00
Y-013	Transport of Calicut tile beyond 100 km, per km rate for 1000Nos. (one way)	km	102.00	118.00

**BUILDING SCHEDULE OF RATES - 2024**

BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%

**Section Y1 : Schedule of Manual Transport at Material for 100m based on Mass**

Material	Density Kg/m <sup>3</sup>	Rate 2024	
		Manual Transport charges for 100 m per Kg Rs.	
		Gradient up to 10%	Gradient above 10%
Bricks	1750	0.80	1.00
Metal /Rubbel	1600		
Concrete Block	1800		
Sand	1600		
Steel	7850	1.90	2.4
Timber	750		
Asbestos sheet	1900		
Cement	1440		
Lime	640		

- \* Distance measured is the shortest walking distance
- \* Minumum Length of Gradient above 10% should be 30m

**BUILDING SCHEDULE OF RATES - 2024**

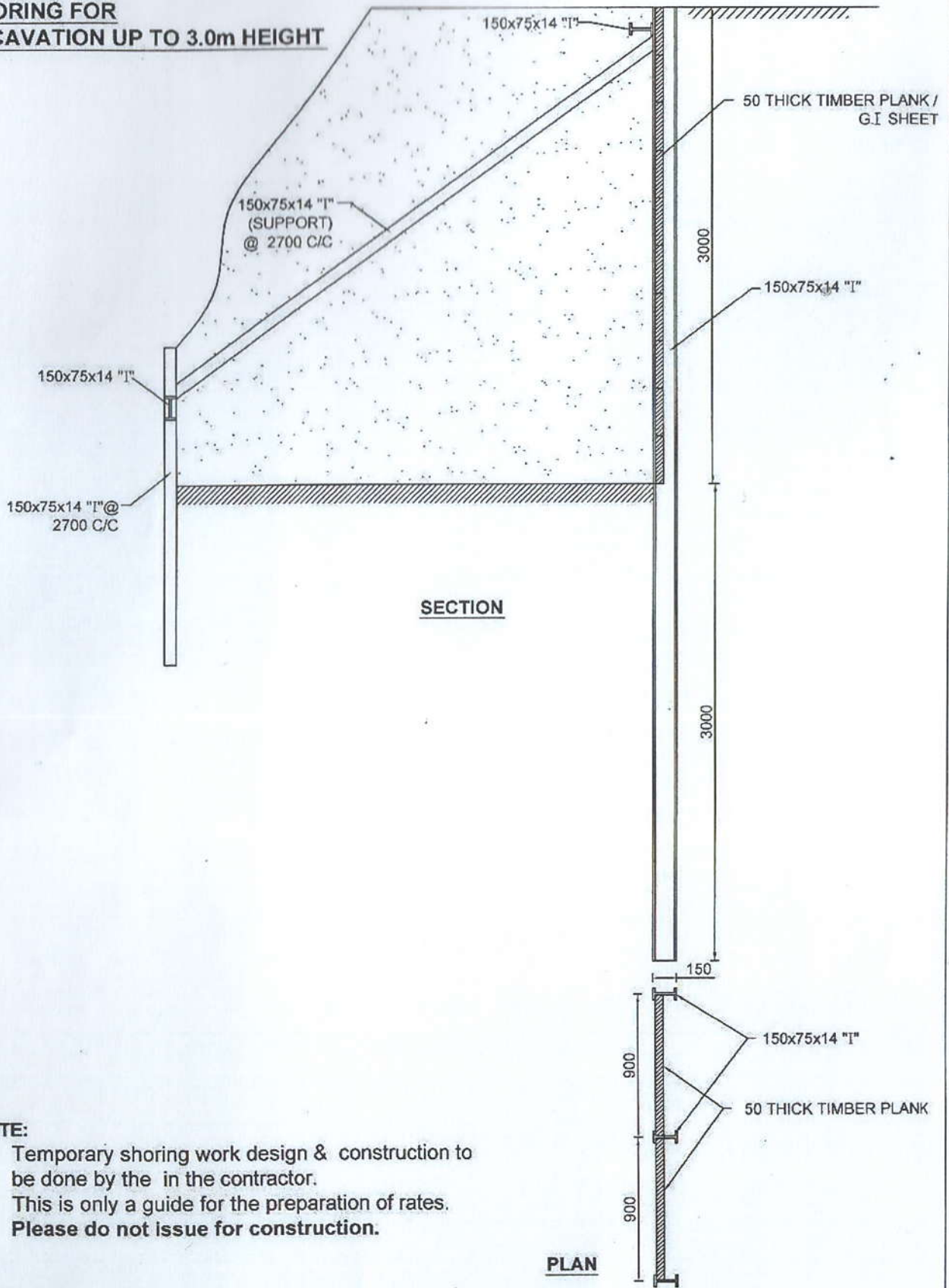
BSR No.	DESCRIPTION	UNIT	RATE	
			WITHOUT OH & P	OH & P 16%
<b>SECTION Z : MATERIAL TESTING RATES 2024</b>				
				<b>Rate 2024</b>
<b>Concrete Test</b>				
C1	Concrete cube test (3 cubes)			1,900.00
	For additional cube			600.00
C2	Concrete cover and Reinforcement check ( per point)			5,800.00
C3	Rebound Hammer test (per point)			1,900.00
C4	Slump cone test			900.00
C5	Concrete mix design			32,500.00
C6	Setting time(Cement)			2,100.00
C7	Compressive strength of interlocking			1,300.00
<b>Soil Test</b>				
S1	Particle size distribution (Sieve Analysis)			3,600.00
S2	Field Density test			3,700.00
S3	Consolidation test			17,000.00
S4	Direct shear test			12,000.00
S5	Hand Auger Investigation (per m. length)			1,900.00
S6	Atterberg limit test			4,700.00
S7	Moisture content test			1,200.00
S8	Standard compaction test			6,400.00
S9	Mackintosh probe test(without transport)			5,300.00
	Depth beyond 4.8m upto 7.2m			1800.00/m depth
	Depth beyond 7.2m			2400.00/m depth
<b>Mobilization Chargers</b>				
	Up to 5 km			
	Up to 30km			Free
	From 30 km to 100km			6,000.00
<b>Burnt Clay Brick Test</b>				
B1	Compressive Strength of Burnt clay brick			1,400.00
B2	Water absorption test for burnt clay brick			1,300.00
B3	Dimension checking of burnt clay brick			500.00
<b>Aggregate Test</b>				
A1	Aggregate grading test			3,400.00
A2	Aggregate flakiness Index			3,300.00
A3	Aggregate Elongation Index			2,800.00
<b>Other Test</b>				
1	Powder coating thickness			1,600.00
2	Hardness test			3,300.00
3	Thickness measurements using Micrometer and Vernier Calliper			900.00
4	M/S and T/S Steel bars weight check/3 bars & other steel sections per m			1,200.00
	M/S and T/S Steel for additional bars & other steel sections per m length			600.00
<b>Special Items</b>				
I	For Extra copy of one report			100.00
II	Detailed report with Photos			200.00
III	Additional Detailed report (As per the request of the Client)			200.00

\*\*\*All above rates are excluded the cost of transport

No	BSR Item	Description	Drawing No
1	D-033	Type Plan of shoring for excavation up to 3.0 mm height	CPC/CS/11/04/2017/TYPE-ST/03
2	F-017	Type Plan of G.I Pipe Flag Post - Type 01	CPC/CS/11/04/2017/TYPE-ST/02(i)
3	F-018	Type Plan of G.I Pipe Flag Post - Type 02	CPC/CS/11/04/2017/TYPE-ST/02(ii)
4	J-004	Detail of Web Truss - Type 1	CPC/CS/11/04/2018/TYPE-TR/01(i),(ii)
		Detail of Web Truss - Type 2	CPC/CS/11/04/2018/TYPE-TR/02(i),(ii)
		Detail of Web Truss - Type 3	CPC/CS/11/04/2018/TYPE-TR/03(i),(ii)
		Detail of Web Truss - Type 4	CPC/CS/11/04/2018/TYPE-TR/04(i),(ii)
		Detail of Web Truss - Type 5	CPC/CS/11/04/2018/TYPE-TR/05(i),(ii)
5	J-005	Type plan of Truss for Span 20'0" - 30'0" (Space of Truss 15' - 20')	CPC/CS/11/04/2018/TYPE-ITR/02/1,2,3
6	J-006	Type plan of Truss for Span 30'0" - 40'0" (Space of Truss 15' - 20')	CPC/CS/11/04/2018/TYPE-ITR/04/1,2,3
7	J-007	Type plan of Truss for Span 20'0" -30'0" (Spacing of truss <15' )	CPC/CS/11/04/2018/TYPE-ITR/01/1,2
8	J-008	Type plan of Truss for Span 30'0" -40'0" (Spacing of truss <15' )	CPC/CS/11/04/2018/TYPE-ITR/03/1,2
9	K-018	Type plan for Special security grill fixed to windows	CPC/CS/11/04/2018/TYPE-ST/09
10	K-021	Type plan for Security weld mesh door with locking device	CPC/CS/11/04/2017/TYPE-ST/06
11	K-022	Type plan for Security weld mesh in open type building	CPC/CS/11/04/2017/TYPE-ST/07
12	K-023	Type Plan for Pre Fabricated chain Link Fence	CPC/CS/11/04/2017/TYPE-CLF/01
13	W-010	Type plan of Manhole (600x600x600)	CPC/CS/11/04/2018/TYPE-MH/01
14	W-011	Type plan of Manhole (1.05X0.675X6)	CPC/CS/11/04/2018/TYPE-MH/02
15	W-014	Type plan of Soakage pit 4'0" (Loose Soil ) (fully built 1.2 m)	CPC/CS/11/04/2018/TYPE-SP/03
16	W-015	Type plan of Soakage pit 4'0" (Hard Soil ) (Semi built 1.2 m)	CPC/CS/11/04/2018/TYPE-SP/04
17	W-016	Type plan of Soakage pit 6'0" (Loose Soil ) (Fully built 1.8 m)	CPC/CS/11/04/2018/TYPE-SP/05
18	W-017	Type Plan of Septic Tank for 30 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(i)
		Type Plan of Septic Tank for extra over 30 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(ii)
19	W-019	Type Plan of Septic Tank for 50 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(i)
		Type Plan of Septic Tank for extra over 50 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(ii)
20	W-021	Type Plan of Septic Tank for 100 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(i)
		Type Plan of Septic Tank for extra over 100 Person (Brick)	CPC/CS/11/04/2018/TYPE-SEPT/01 -(ii)
21	X-006	Type Plan for Perforated Pipe in Retaining Wall	CPC/CS/11/04/2017/TYPE-ST/04
22	X-007	Type Plan for Barbed wire fence (7 Strands )	CPC/CS/11/04/2017/TYPE-ST/05
23	X-008	Type Plan for Barbed wire fence (10 Strands )	CPC/CS/11/04/2018/TYPE-ST/12
24	X-009	Type Plan for Casting & Erecting fencepost (1.7 m High)	CPC/CS/11/04/2017/TYPE-ST/10
25	X-010	Type Plan for Casting & Erecting fencepost (2.25 m High)	CPC/CS/11/04/2018/TYPE-ST/11
26		Type Plan for Aluminium Partition	



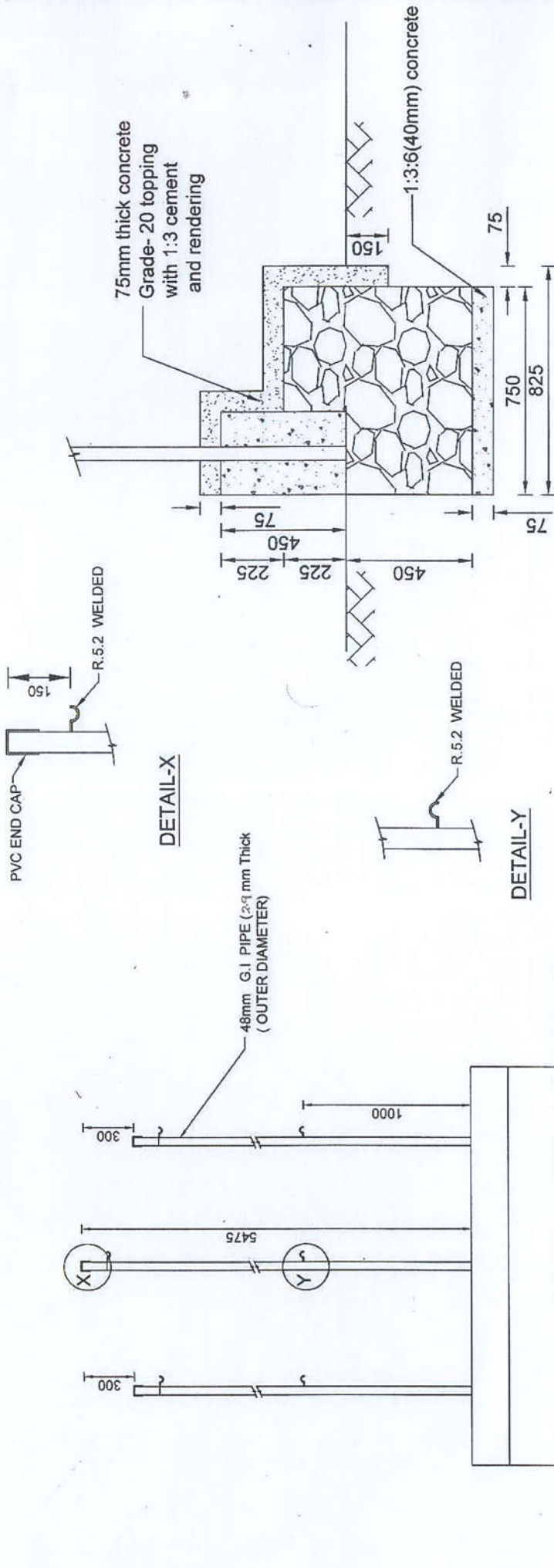
**SHORING FOR EXCAVATION UP TO 3.0m HEIGHT**



**NOTE:**

- Temporary shoring work design & construction to be done by the contractor.
- This is only a guide for the preparation of rates.
- Please do not issue for construction.

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN OF SHORING FOR EXCAVATION UP TO 3.0m HEIGHT DETAIL DRAWING	DRAWN BY- CHANDRIKA	SCALE - NTS	DRG. NO.-CPC/CS/ 11/ 04 /2017/TTYPE-ST/03
		DESIGNED BY- Eng. W.M.A.WICKRAMASINGHE	CHECKED BY-	DATE - 13-12-2017
	D - 033	<b>Eng. S.A.S.K. WIJESEKARA</b> Deputy Provincial Director (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy.		Eng. R. P. Senarathne Provincial Director (Engineering Services) Provincial Direction of Engineering Services No. 250/3



**SECTION A-A**  
(NTS)

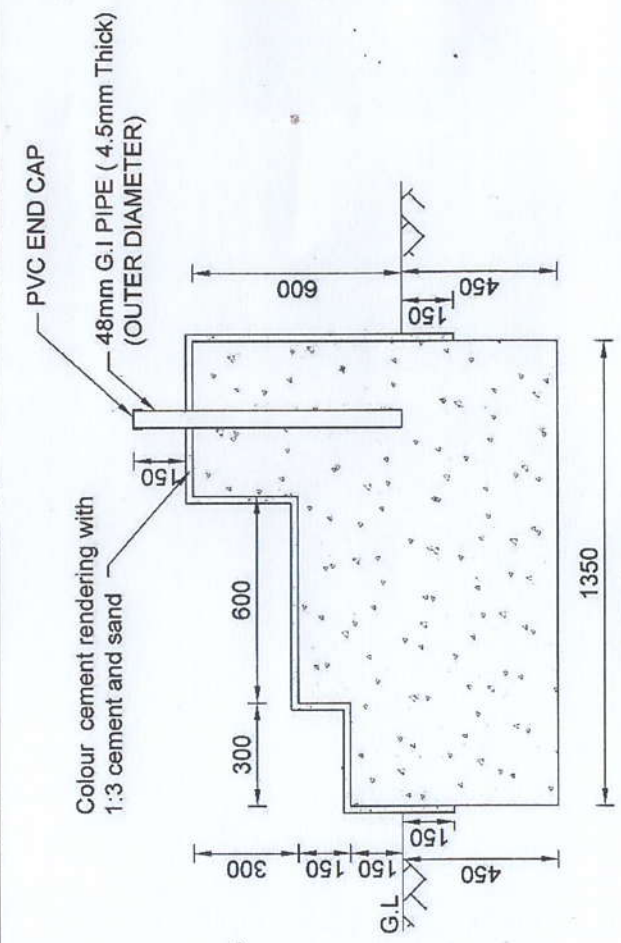
**NOTE:-**

**1. FLAG TO FLAG POLE HEIGHT RATIO**

POLE HEIGHT /mm	FLAG SIZE (mm x mm)
(4500 - 6000)	900 x 1500
7500	1200 x 1800
9000	1500 x 2400
(10500 - 12000)	1800 - 3000

**2. GRADE 20 CONCRETE TO BE USED**

<p><b>DEPARTMENT OF ENGINEERING SERVICES</b> <b>CENTRAL PROVINCE,</b> <b>KANDY</b></p>	<p>TYPE PLAN OF G.I PIPE FLAG POST - TYPE 01</p>	<p>DRAWN BY- CHANDRIKA SCALE - 1:25 DESIGNED BY- Eng. A.G.SAMARASINGHE CHECKED BY-</p>	<p>DRG. NO.-CPC/CS/11/04 /2017/TYPE-ST/02 (I) DATE - 13-12-2018</p>
	<p>DETAIL DRAWING</p> <p>F - 017</p>	<p>Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council Kandy</p> <p>DEPUTY PROVINCIAL DIRECTOR (Eng. Services) PI ANNING</p>	<p>Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, S.W.R.D. Bandaranyake Mawatha, PROVINCIAL DIRECTOR (ENGINEERING SERVICES)</p>



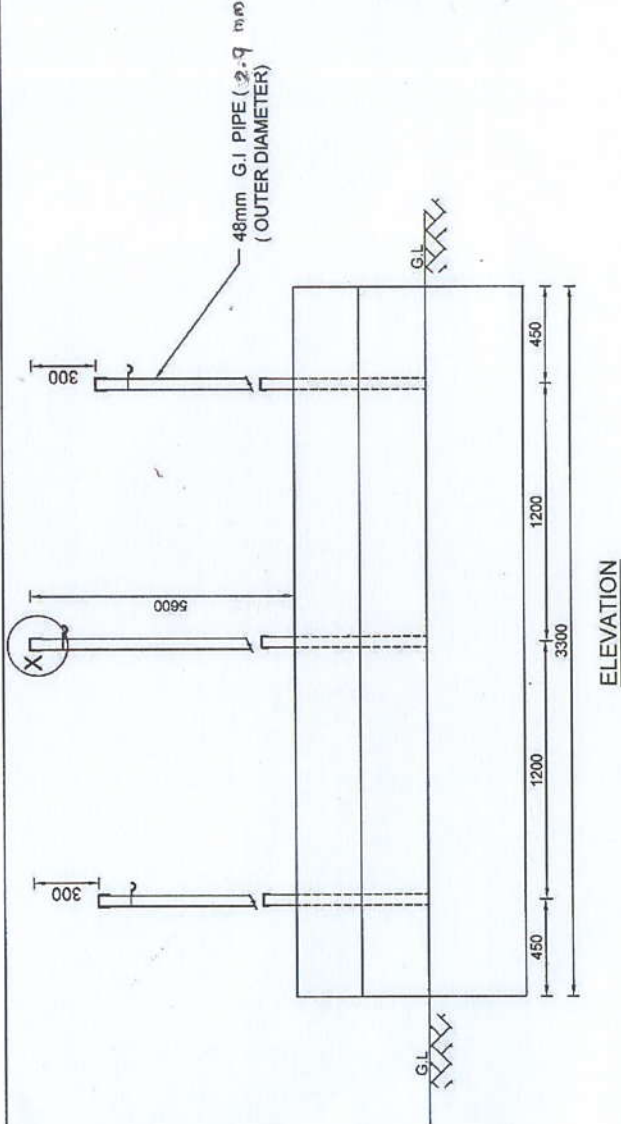
SECTION A-A  
(NTS)

**NOTE:-**

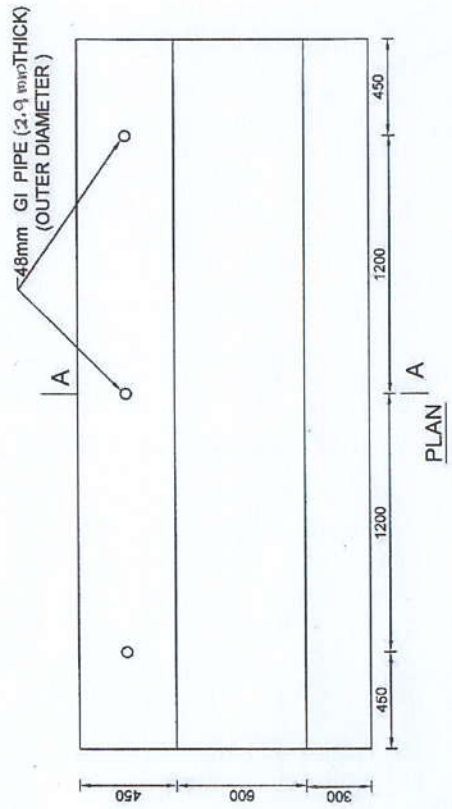
1. FLAG TO FLAG POLE HEIGHT RATIO

POLE HEIGHT /mm	FLAG SIZE (mm x mm)
(4500 - 6000)	900 x 1500
7500	1200 x 1800
9000	1500 x 2400
(10500 - 12000)	1800 - 3000

2. GRADE 20 CONCRETE TO BE USED
3. SIZE OF FLAG POST = 48mm G.I PIPE (4.5mm Thick)



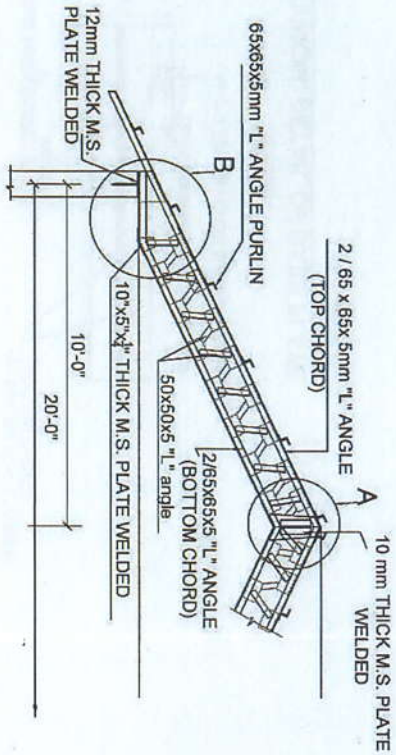
ELEVATION



PLAN

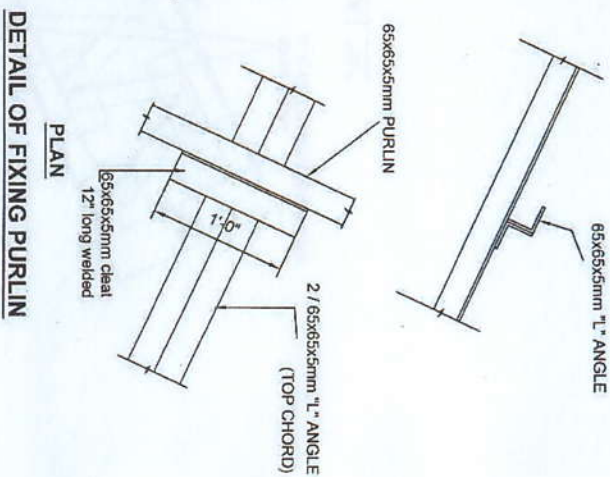
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN OF G.I PIPE FLAG POST - TYPE 02	DRAWN BY- CHANDRIKA DESIGNED BY- Eng. A. G. SAMARASINGHE CHECKED BY- <i>Eng. S.A.S.K. WIJESSEKARA</i> Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council Kandy	DRG. NO.-CPC/CS/11/04/2017/TYPPE-ST/02 (ii) DATE - 13-12-2018
	DETAIL DRAWING  F - 018	SCALE - 1:25	Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, Kandy.

PROVINCIAL DIRECTOR (ENGINEERING SERVICES)



**NOTE-**

1. SPAN OF TRUSS - 20'-0"
2. SPACING OF TRUSS - 15'-0"
3. ROOF COVERING - ASBESTOS SHEETS
4. CEILING - LIGHT WEIGHT MATERIAL
5. THICKNESS OF WELDING - 20mm (3/4")
6. MINIMUM LENGTH OF WELDING - 50mm (2")
7. DOUBLE ANGLES TOP AND BOTTOM CHORDS TO SPOT WELDED AT TOP AND BOTTOM OF CHORD AT 2'-0" CENTERS STAGGERED
8. PURLING
  - (i). 65X65X5mm ANGLE IRON
  - (ii). MAXIMUM SPACING - 6'-0"



DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

**DETAIL OF WEB TRUSS - TYPE 1**

DRAWING TITLE:

BSR ITEM J-004

DRG. NO. : CPCCS/11/04/2018/TYPE-T/001 (1)

SCALE : 1/4" = 1'-0" INCH

DESIGNED BY: ENO. W.M.A. WICKRAMASINGHE

CHECKED BY:

DATE : 01-11-2018

DESIGNED BY:

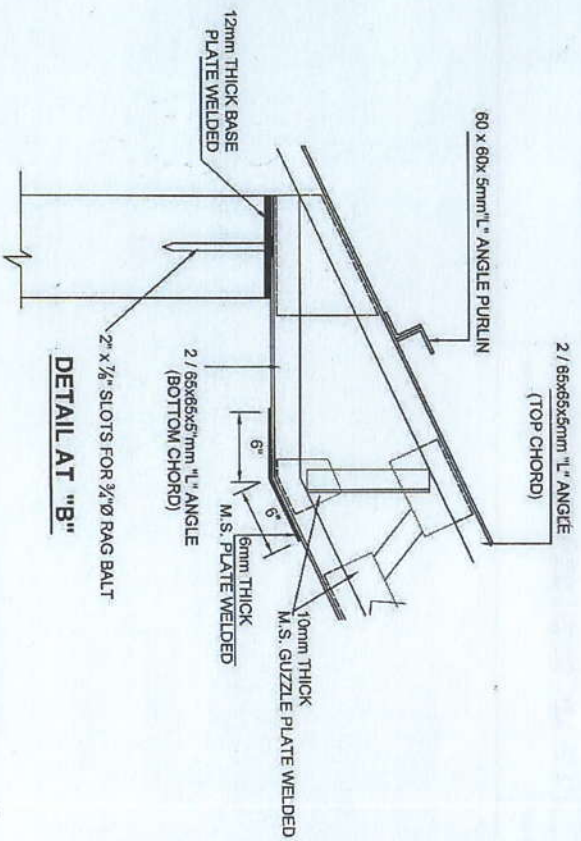
ENO. W.M.A. WICKRAMASINGHE

RECOMMENDED BY:

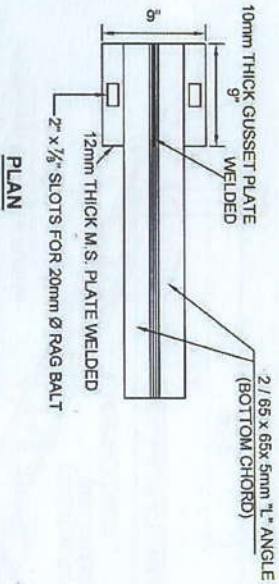
Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Deputy Provincial Director (Planning)

APPROVED BY:

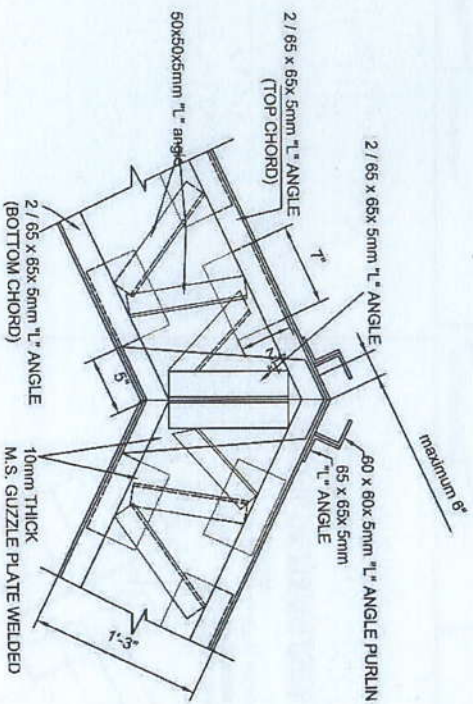
Eng. R. K. R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
No. 230/3,  
PROVINCIAL OFFICE FOR ENGINEERING SERVICES  
Kandy



**DETAIL AT "B"**



**TYPICAL DETAIL OF BASE PLATE**



**DETAIL AT "A"**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

DRAWING TITLE:

**DETAIL OF WEB TRUSS -TYPE 1**

BSR ITEM J-004

DRG NO. : CP/CS/11/04/2018/TYP-TR001(8)

SCALE : ONE FOOT TO AN INCH

DRAWN BY: NILMINI

DATE : 01-11-2018

DESIGNED BY:

Eng. W.M.A. WICKRAMASINGHE

RECOMMENDED BY:

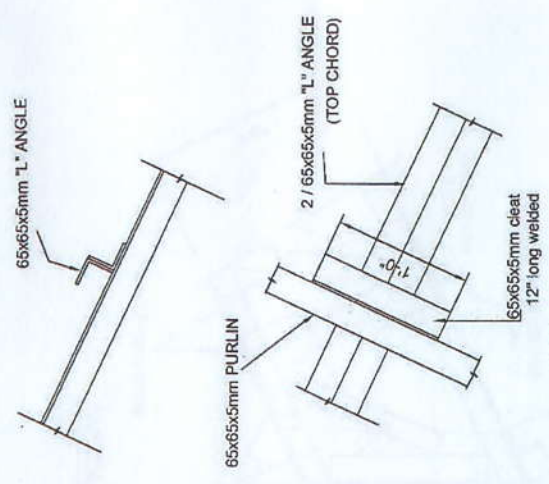
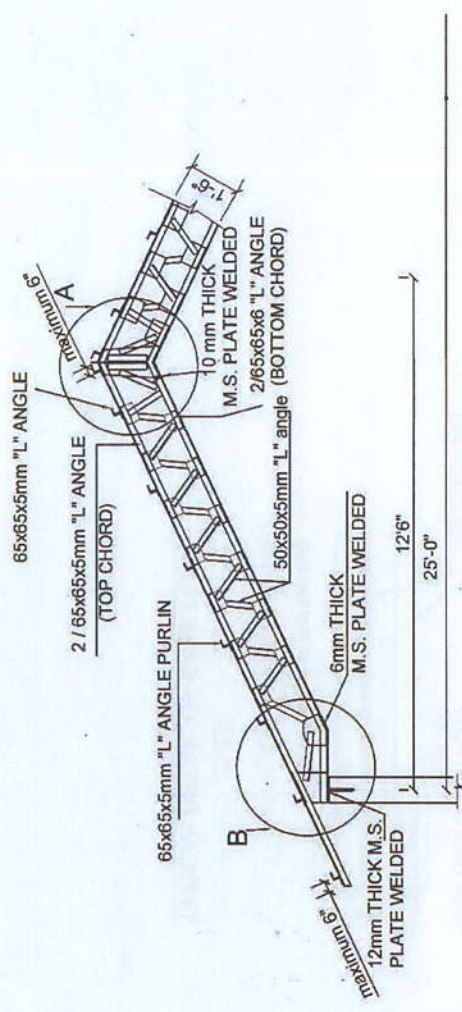
**Eng. S.A.S.K. WIJESEKARA**  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services,  
Central Provincial Council,  
Kandy.

APPROVED BY:

**Eng. R. K. R. Seneviratne**  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services,  
No. 230/3,  
5, W.R.P. Bandaranayake Mawatha,  
Kandy.

**NOTE-**

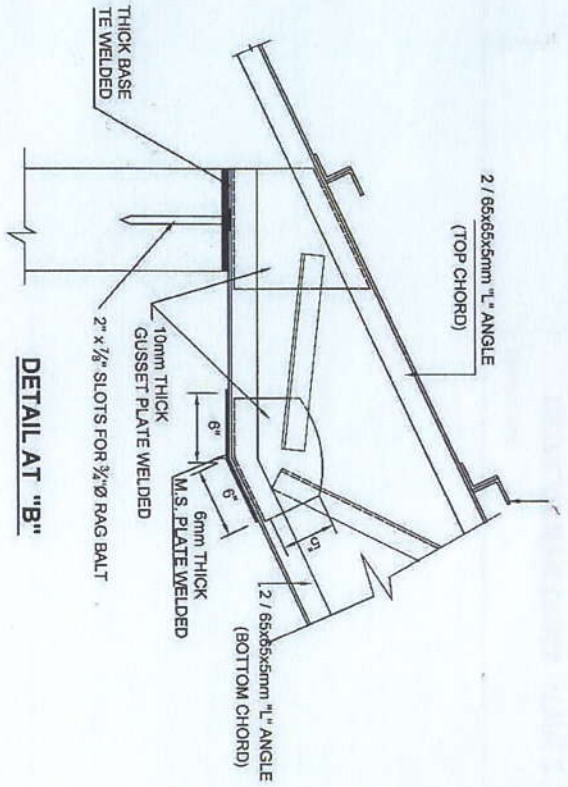
1. SPAN OF TRUSS - 25'-0"
2. SPACING OF TRUSS - 15'-0"
3. ROOF COVERING - ASBESTOS SHEETS
4. CEILING - LIGHT WEIGHT MATERIAL
5. THICKNESS OF WELDING - 20mm (3/4")
6. MINIMUM LENGTH OF WELDING - 50mm (2")
7. DOUBLE ANGLES TOP AND BOTTOM CHORDS TO SPOT WELDED AT TOP AND BOTTOM OF CHORD AT 2'-0" CENTERS STAGGERED
8. PURLING
  - (i). 65X65X5mm ANGLE IRON
  - (ii). MAXIMUM SPACING - 6'-0"



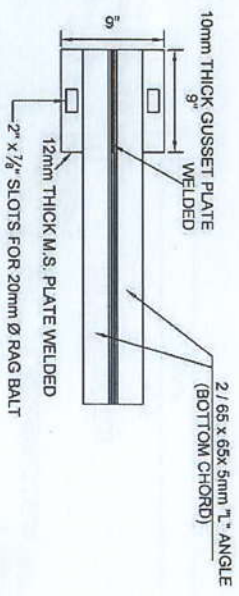
**PLAN**

**DETAIL OF FIXING PURLIN**

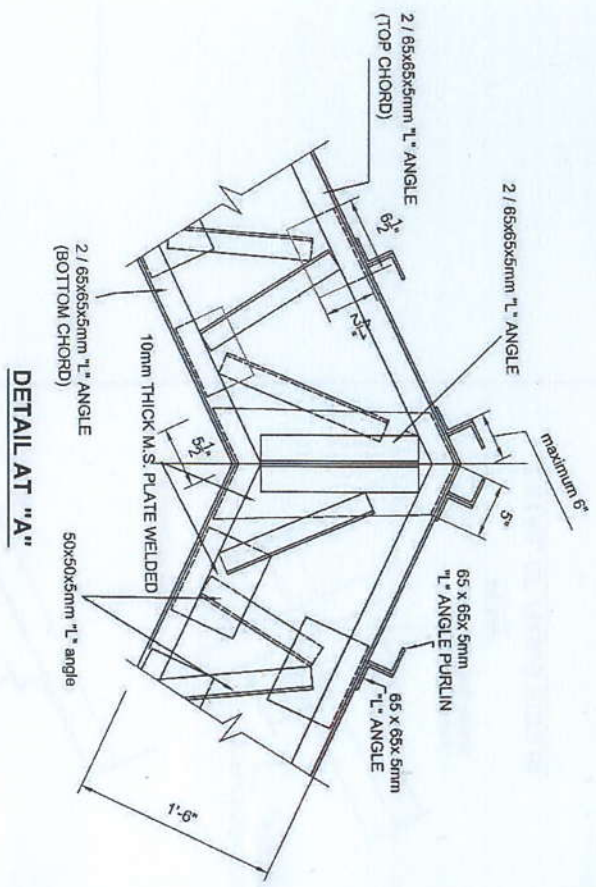
DRG. NO. : CPC/CS/1104/2018/TYPE TR02 (1) SCALE : 4 FEET TO AN INCH DRAWN BY: NILMINI DATE : 01-11-2018	DESIGNED BY: Eng. W.M.A. WICKRAMASINGHE	RECOMMENDED BY: Eng. S.A.S.K. WIJESEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council (Eng. Serv) Planning Kandy.	APPROVED BY: Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services Provincial Council (Eng. Serv) Planning Kandy.
	DRAWING TITLE: <b>DETAIL OF WEB TRUSS - TYPE 2</b>		DEPARTMENT OF ENGINEERING SERVICES, CENTRAL PROVINCIAL COUNCIL.
BSR ITEM J-004			



**DETAIL AT "B"**



**TYPICAL DETAIL OF BASE PLATE**



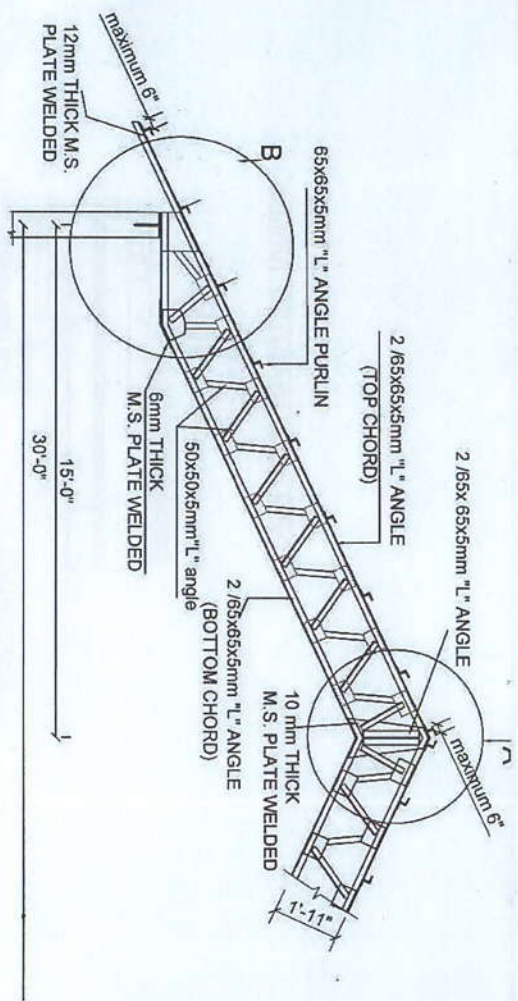
**DETAIL AT "A"**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

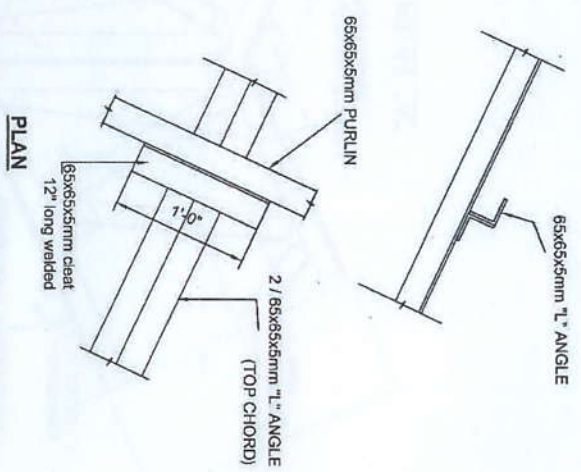
**DETAIL OF WEB TRUSS - TYPE 2**

BSR ITEM J-004

DRAWING TITLE: <b>DETAIL OF WEB TRUSS - TYPE 2</b>		DESIGNED BY: Eng. W.M.A. WICKRAMASINGHE		RECOMMENDED BY: 		APPROVED BY: 	
DRG. NO. : CP/CS/11/04/2018/TYPE-TR02 (4)		CHECKED BY: 		Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services, Central Provincial Council, Planning		Eng. R. K. R. Senviratne Provincial Director (Engineering Services) Department of Engineering Services, No. 230/3, S.W.R.D. Bandarayanayake Mawatha,	
SCALE : ONE FOOT TO AN INCH		DRAWN BY: NILKMINI		DATE : 01-11-2018			



**DETAIL OF FIXING PURLIN**



- NOTE-**
1. SPAN OF TRUSS - 30'-0"
  2. SPACING OF TRUSS - 15'-0"
  3. ROOF COVERING - ASBESTOS SHEETS
  4. CEILING - LIGHT WEIGHT MATERIAL
  5. THICKNESS OF WELDING - 20mm (3/8")
  6. MINIMUM LENGTH OF WELDING - 50mm (2")
  7. DOUBLE ANGLES TOP AND BOTTOM CHORDS TO SPOT WELDED AT TOP AND BOTTOM OF CHORD AT 2'-0" CENTERS STAGGERED
  8. PURLING
    - (i). 65x65x5mm ANGLE IRON
    - (ii). MAXIMUM SPACING - 6'-0"

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

DRAWING TITLE:  
**DETAIL OF WEB TRUSS - TYPE 3**

BSR ITEM J-004

DRG. NO. : CP/003/11/04/2018/TYPE-TRUSS (I)  
SCALE : FEET TO AN INCH

DRAWN BY: NILMINI  
DATE : 01-11-2018

DESIGNED BY:  
Eng. Y.M.A. WICKRAMASINGHE

CHECKED BY:

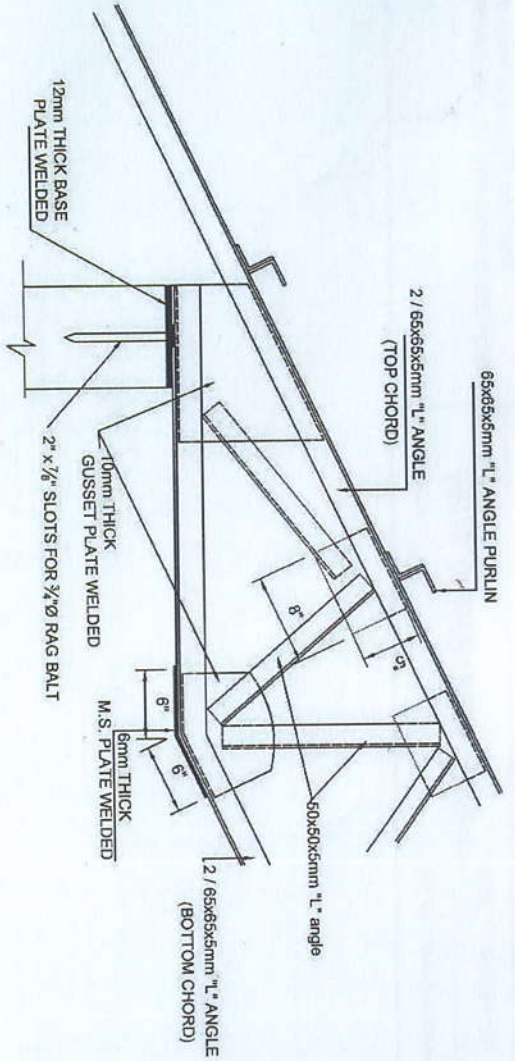
RECOMMENDED BY:

**Eng. S.A.S.K. WIJESSEKARA**  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Perthi Kandy.  
Planning

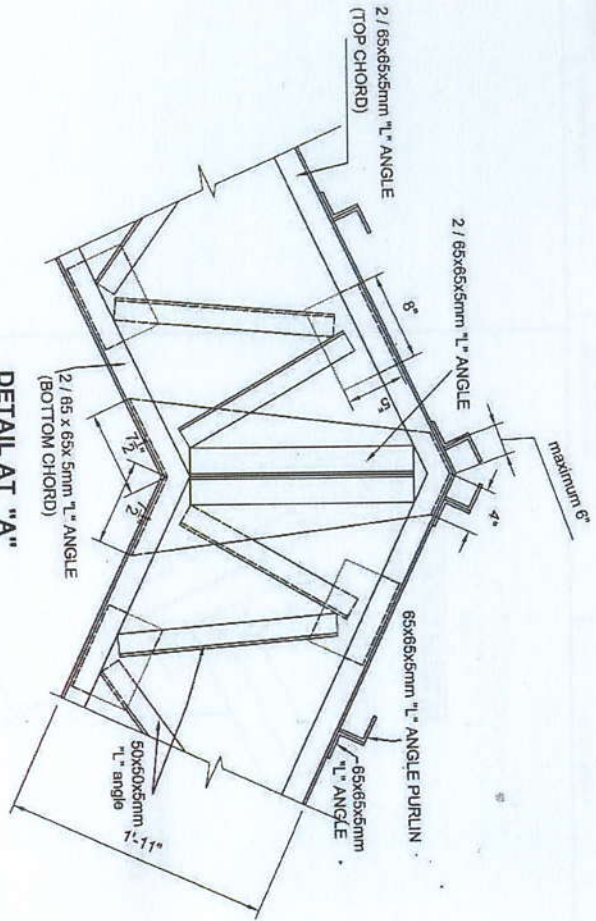
APPROVED BY:

**Eng. R. K. R. Seneviratne**  
Provincial Director (Engineering Services)  
Department of Engineering Services  
No. 230/3,  
Perthi Kandy.  
Engineering Services

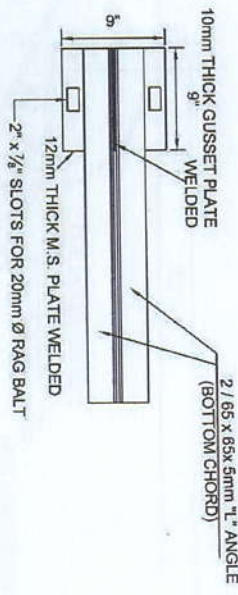






**DETAIL AT "B"**

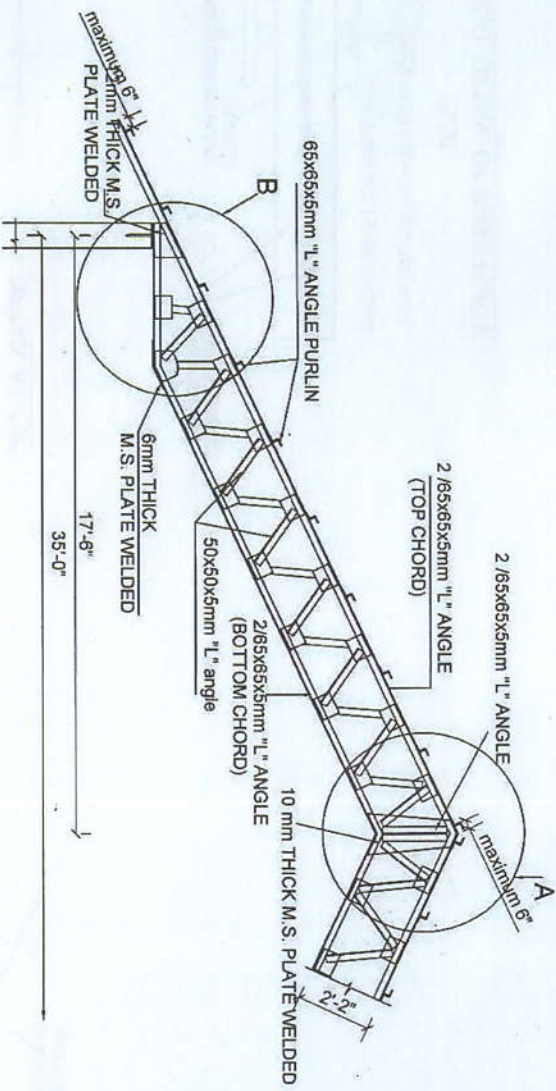


**DETAIL AT "A"**



**TYPICAL DETAIL OF BASE PLATE**

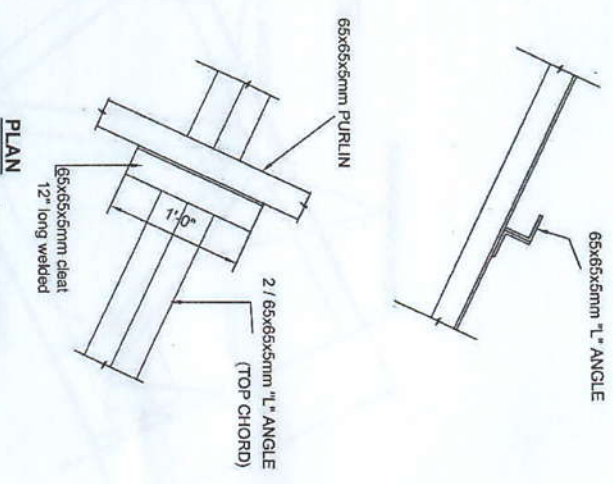
DEPARTMENT OF ENGINEERING SERVICES, CENTRAL PROVINCIAL COUNCIL.	DRAWING TITLE: <b>DETAIL OF WEB TRUSS -TYPE 3</b>	
	DRG.NO. : CPCCS/11/04/2018/TYPE-TRUSS (B)	SCALE : ONE FOOT TO AN INCH
BSR ITEM 5-004	DRAWN BY: NILKINI	DESIGNED BY: Eng. W.A.A. Wickramasinghe
DATE : 01-11-2018	CHECKED BY:	RECOMMENDED BY:  <b>Eng. S.A.S.K. WIJESSEKARA</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council Kandy.
		APPROVED BY:  <b>Eng. R. K. R. Seneviratne</b> Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, S.W.R.D. Bandaranayake Mawatha.



**NOTE-**

1. SPAN OF TRUSS - 35'-0"
2. SPACING OF TRUSS - 15'-0"
3. ROOF COVERING - ASBESTOS SHEETS
4. CEILING - LIGHT WEIGHT MATERIAL
5. THICKNESS OF WELDING - 20mm (3/4")
6. MINIMUM LENGTH OF WELDING - 50mm (2")
7. DOUBLE ANGLES TOP AND BOTTOM CHORDS TO SPOT WELDED AT TOP AND BOTTOM OF CHORD AT 2'-0" CENTERS STAGGERED
8. PURLING
  - (i). 65x65x5mm ANGLE IRON
  - (ii). MAXIMUM SPACING - 6'-0"

**DETAIL OF FIXING PURLIN**



**PLAN**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

DRAWING TITLE:  
**DETAIL OF WEB TRUSS -TYPE 4**

BSR ITEM - J-004

DRG. NO. : CPC/CS/11/04/2018/TYPE-TRUSS (1)

SCALE : ASSET TO AN INCH

DRAWN BY: NILMINI

DATE : 01-11-2018

DESIGNED BY:  
Eng. W.M.A. WICKRAMASINGHE

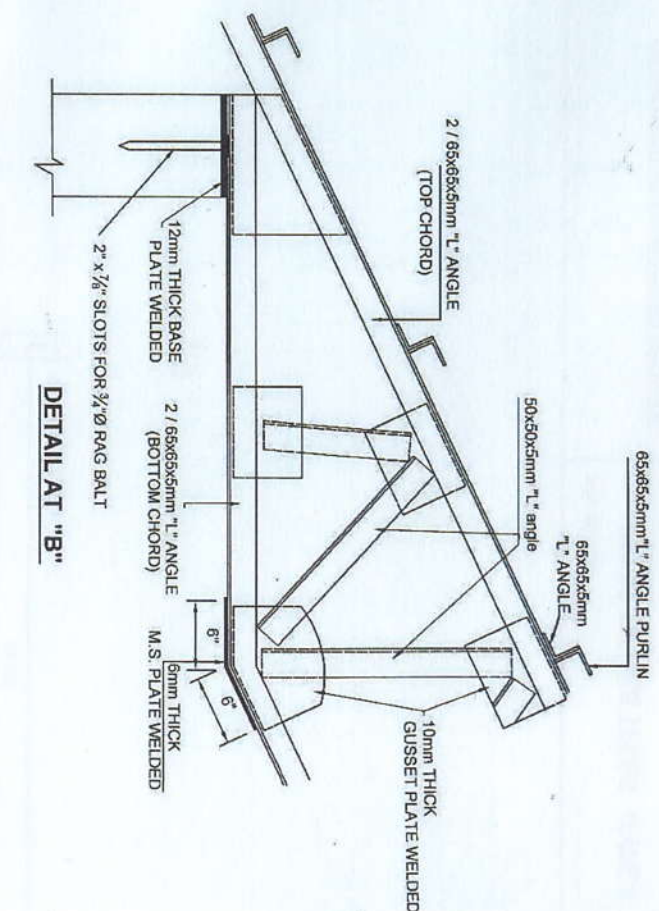
CHECKED BY:

RECOMMENDED BY:

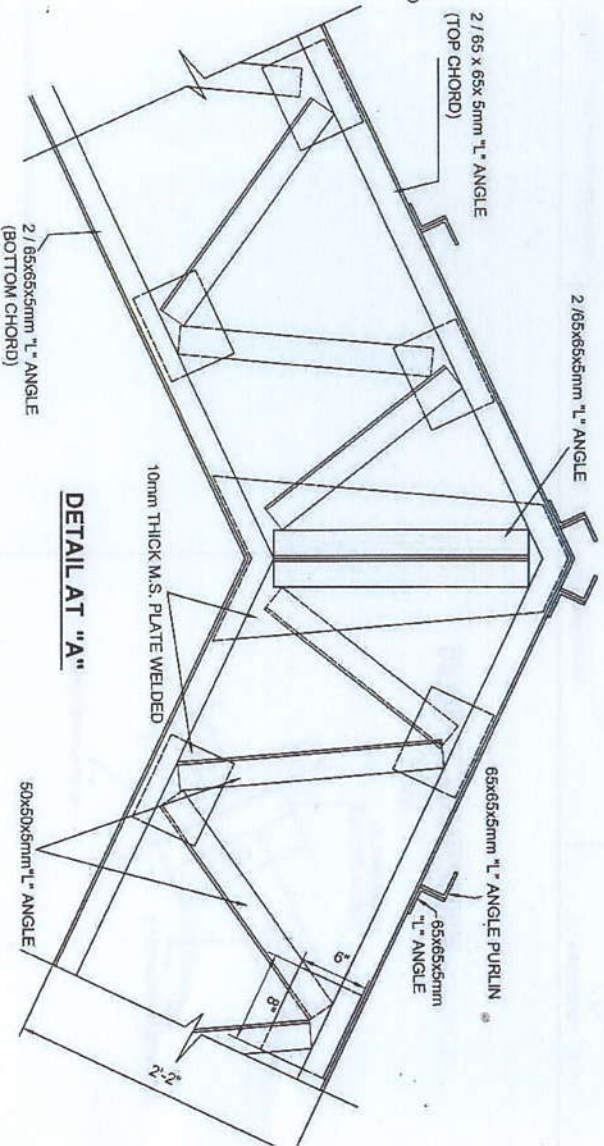
Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council,  
Kandy.

APPROVED BY:

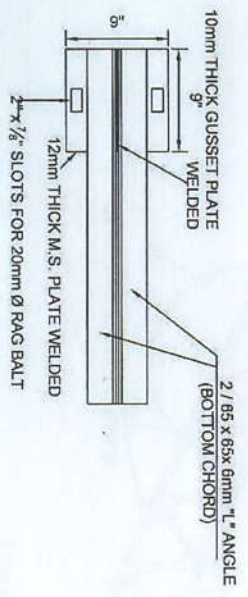
Eng. R. KAPURAARATHNE  
Provincial Director (Engineering Services)  
Department of Engineering Services  
No. 230/3,  
P.O. Box 10, Kandy.



**DETAIL AT "B"**



**DETAIL AT "A"**



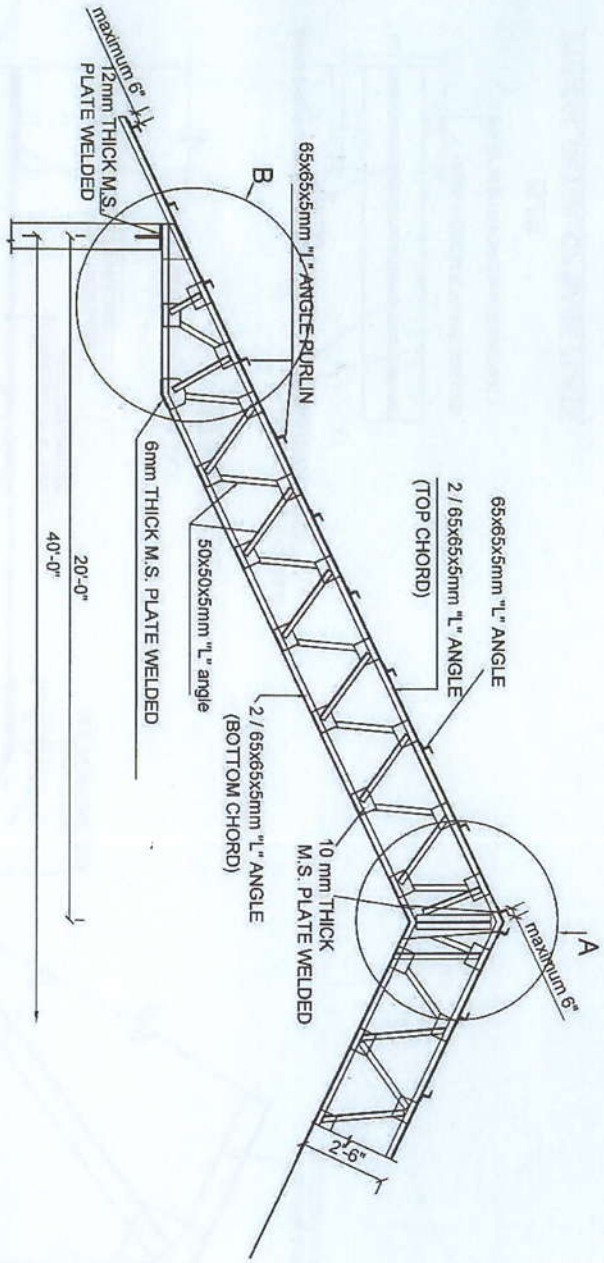
**TYPICAL DETAIL OF BASE PLATE**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL

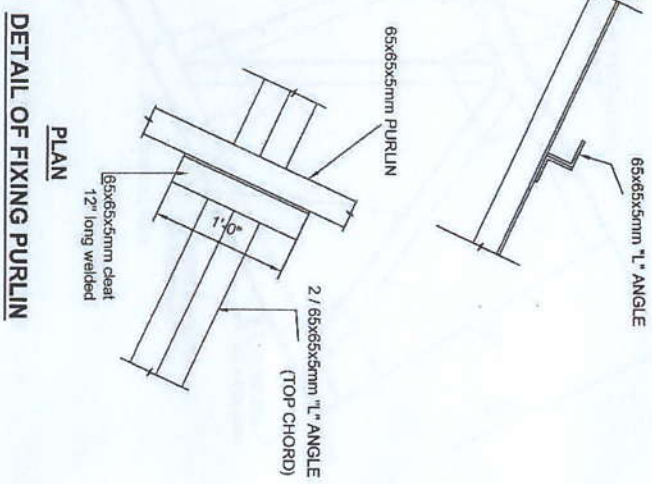
**DETAIL OF WEB TRUSS - TYPE 4**

BSR ITEM J-004

DRG. NO. : CPOCSST-1042018/TYPE-TR04 (A) SCALE : ONE FOOT TO AN INCH DRAWN BY: NILKINI DATE : 01-11-2016	DESIGNED BY: Eng. W.M.A. WICKRAMASINGHE	RECOMMENDED BY: Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council PLANNING	APPROVED BY: Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, S.W.R.D. Bandaranayake M.V.
---	--	---	--



- NOTE-**
- SPAN OF TRUSS - 40'-0"
  - SPACING OF TRUSS - 15'-0"
  - ROOF COVERING - ASBESTOS SHEETS
  - CEILING - LIGHT WEIGHT MATERIAL
  - THICKNESS OF WELDING - 20mm (3/4")
  - MINIMUM LENGTH OF WELDING - 50mm (2")
  - DOUBLE ANGLES TOP AND BOTTOM CHORDS TO SPOT WELDED AT TOP AND BOTTOM OF CHORD AT 2'-0" CENTERS STAGGERED
  - PURLIN
    - 65X65X5mm ANGLE IRON
    - MAXIMUM SPACING - 8'-0"



**DETAIL OF FIXING PURLIN**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

DRAWING TITLE :  
**DETAIL OF WEB TRUSS - TYPE 5**

BSR ITEM J-004

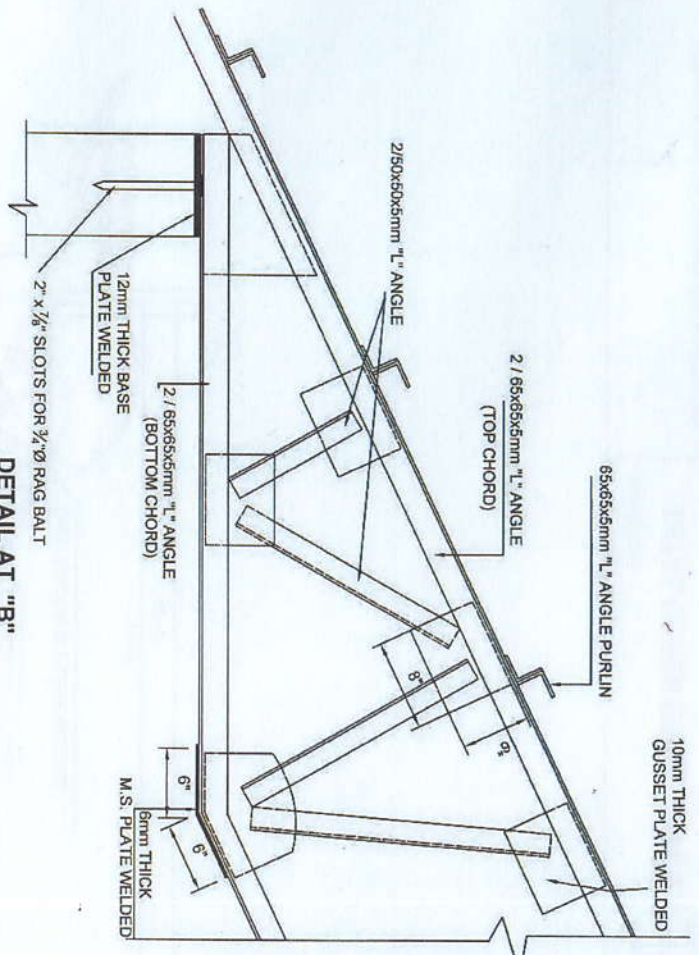
DRG. NO. : CP/COS/1104/2018/TYPE-TRUSS (8)  
SCALE : FEET TO AN INCH  
DRAWN BY : NILMINI  
DATE : 01-11-2018

DESIGNED BY :  
Eng. M.A.A. WICKRAMASINGHE

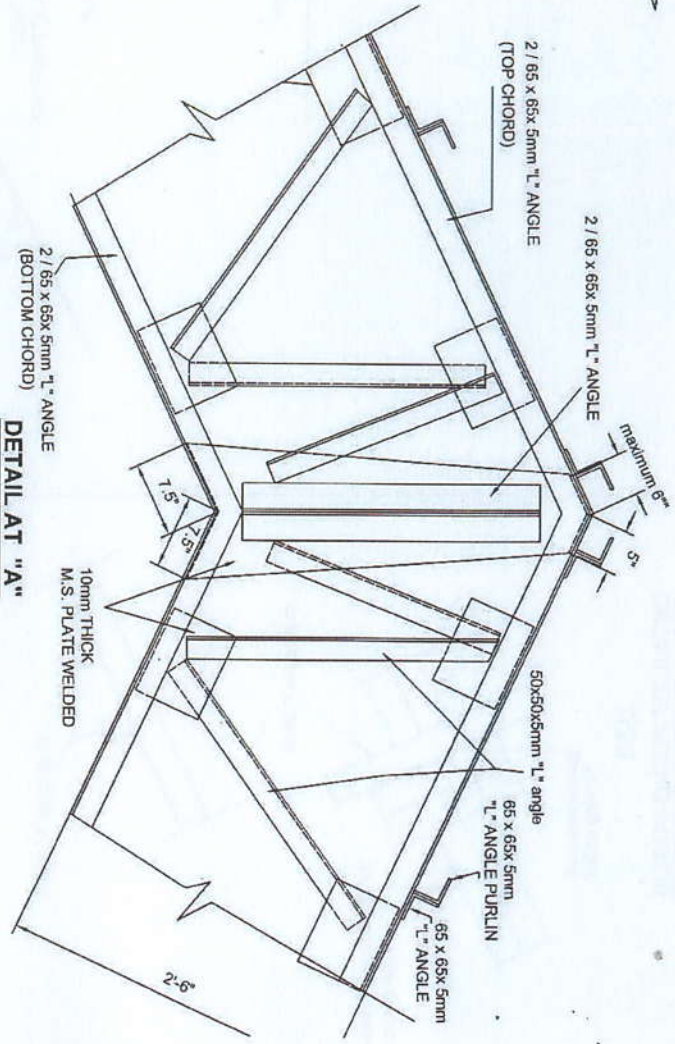
CHECKED BY :  
*[Signature]*

RECOMMENDED BY :  
*[Signature]*  
Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Kandy.

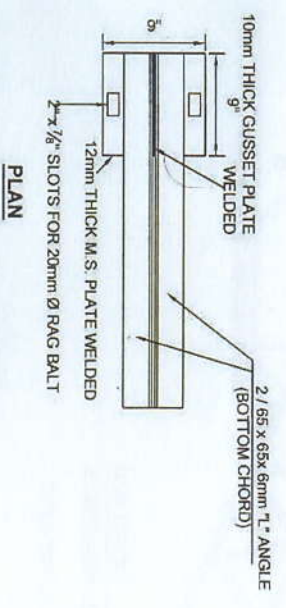
APPROVED BY :  
*[Signature]*  
20/8-17-18  
Eng. R. K. R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Kandy.



**DETAIL AT "B"**



**DETAIL AT "A"**



**TYPICAL DETAIL OF BASE PLATE**

DEPARTMENT OF ENGINEERING SERVICES,  
CENTRAL PROVINCIAL COUNCIL.

**DETAIL OF WEB TRUSS - TYPE 5**

BSR ITEM J-004

DRAWING TITLE:

DRG NO. : CP/CSC/1104/2018/TYPE:TRUS (A)  
SCALE : ONE FOOT TO AN INCH

DESIGNED BY:

Eng. W.M.A. WICKRAMASINGHE

RECOMMENDED BY:

Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Kandy.

APPROVED BY:

Eng. R. R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
No. 230/3,  
S.W.R.D. Bandaranayake Mawatha  
Kandy.

DRAWN BY: NILMINI

DATE : 01-11-2018

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY.

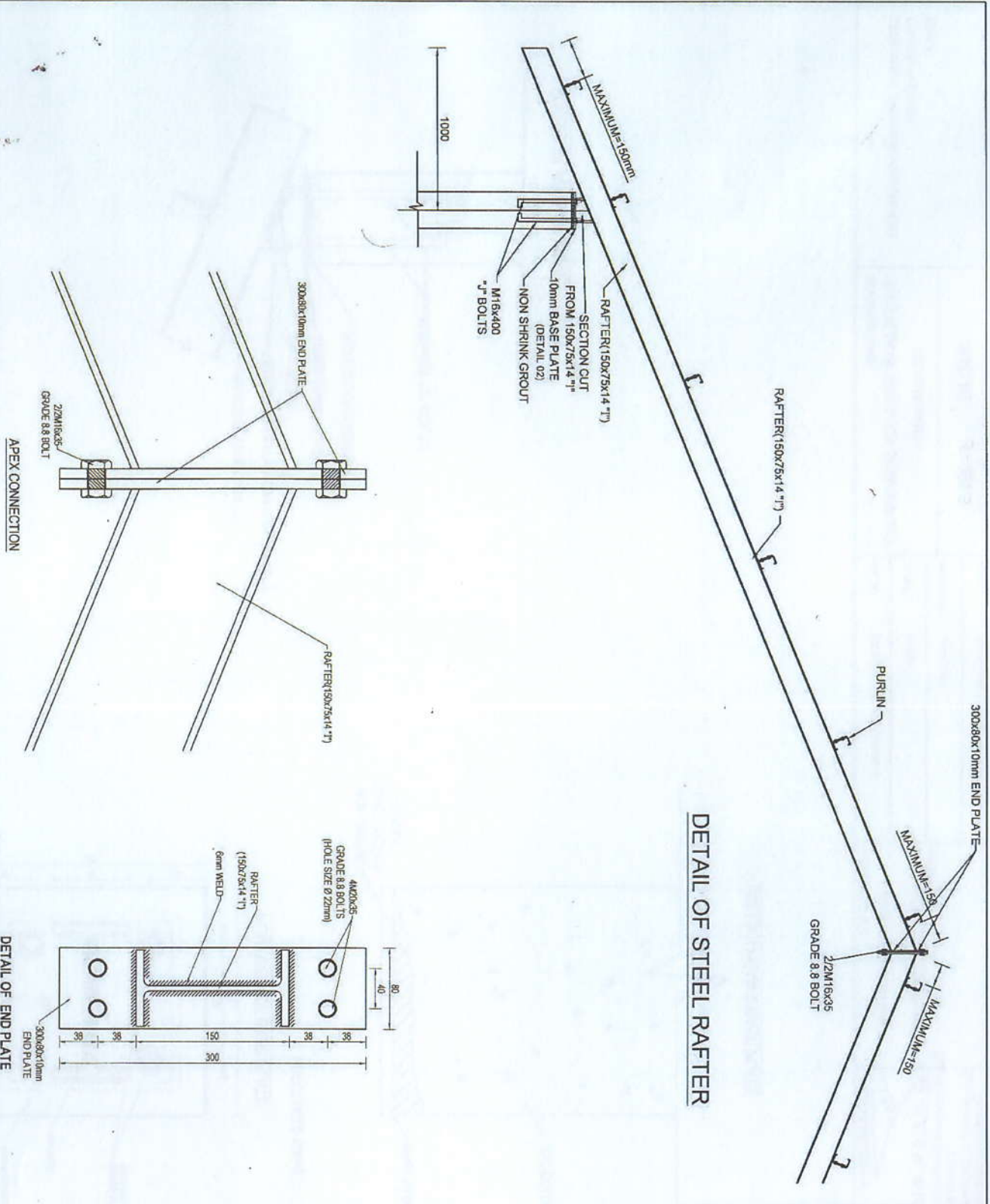
DRAWING TITLE:  
TYPE PLAN OF TRUSS FOR SPAN 20'0" - 30'0"  
DETAIL DRAWING

BSR NO : J-005

DESIGNED BY:  
Eng. W.M.A WICKRAMASINGHE

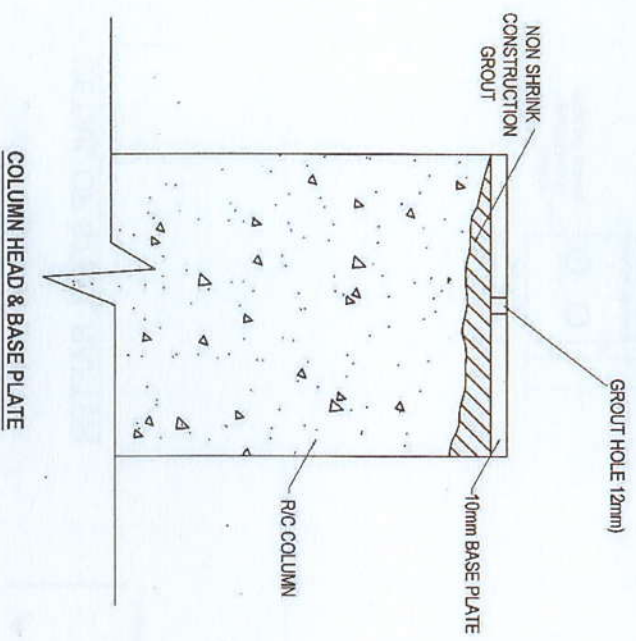
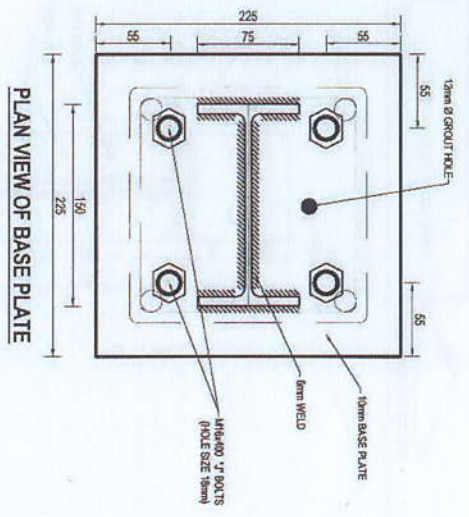
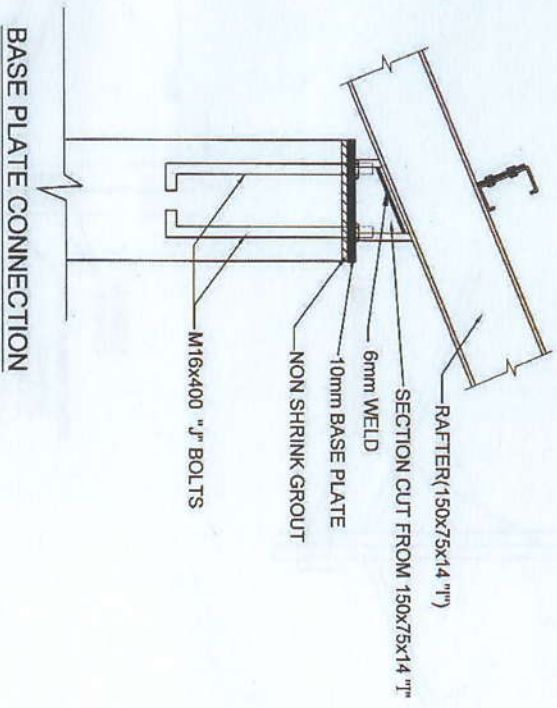
CHECKED BY:  
RECOMMENDED BY:  
Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)

APPROVED BY:  
Eng. R.K.R. Sarathirathne  
Provincial Director (Engineering Services)

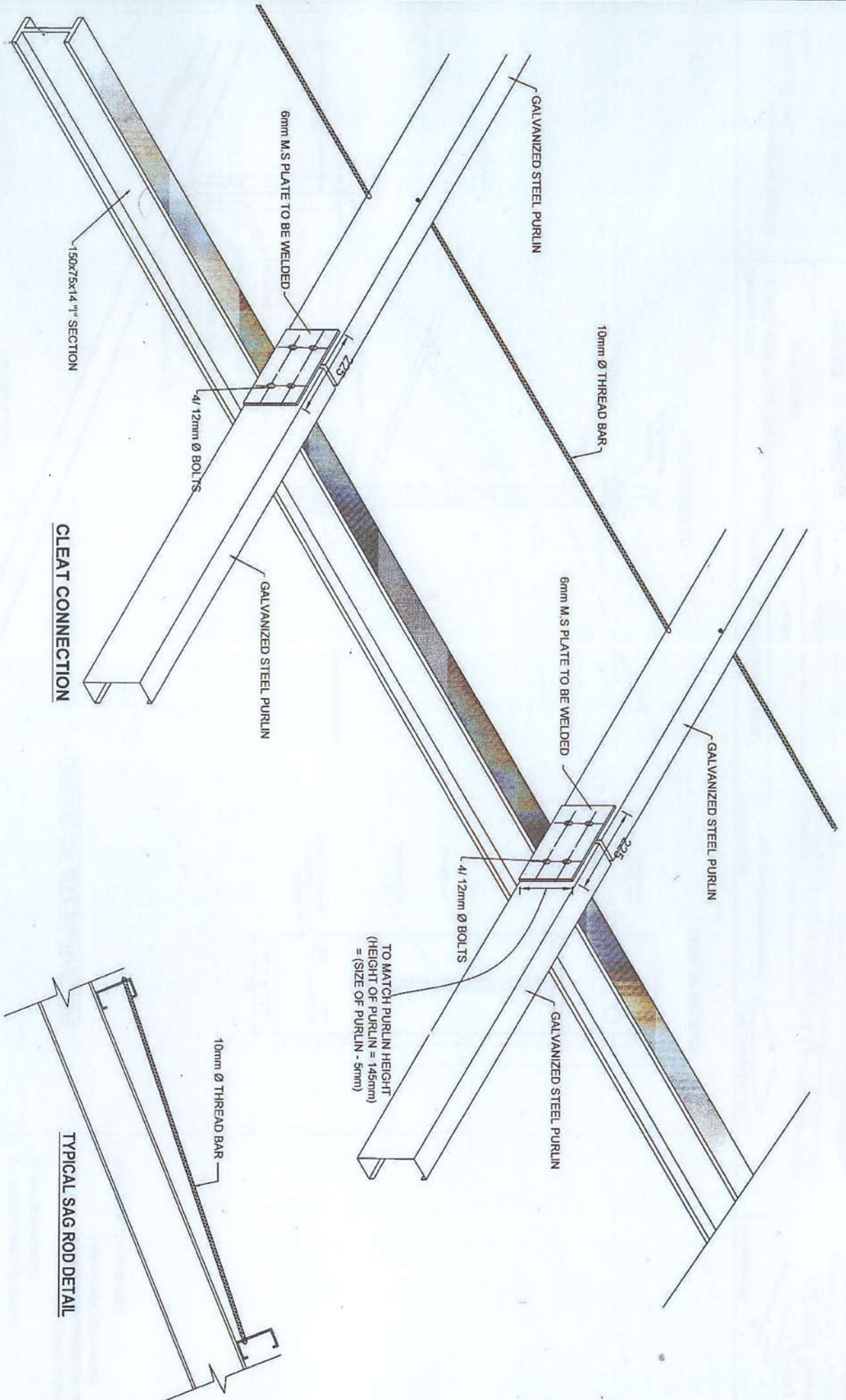


DETAIL OF STEEL RAFTER

- NOTE
1. RAFTER = 150x75x14 'T' SECTION
  2. SPAN OF TRUSS = 20'0" - 30'0"
  3. 1500mm SPACING OF TRUSS @ 20'0"
  4. ROOF COVERING = ZINC ALUMINIUM ALLOY COATED ROOFING SHEET
  5. CEILING = LIGHT WEIGHT MATERIAL
  6. PURLING
  7. GRADE 8.8 BOLTS TO BE USED.
- (i) 100x50x12 (2mm) LIP CHANNEL  
(ii) MAXIMUM SPACING  
= 1200mm (FOR NORMAL SHEET)  
= 1500mm (FOR SANDWICH PANELS)  
= 600mm (FOR TILE PROFILE)



DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY		DRAWING TITLE: TYPE PLAN OF TRUSS FOR SPAN 200'-300' DETAIL DRAWING	
BSR NO : J-005		DRG. NO. : GPOCS/11/04/2018/17/PE-TRR02/2 SCALE : 1:5@A3 DRAWN BY : AWANTHI DATE : 01.11.2016	
DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE		RECOMMENDED BY: Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services (Kandy)	
CHECKED BY: 		APPROVED BY: Eng. R. K. R. Senarathne Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, S.W.R.D. BANDARATNE MARGE, KANDY.	



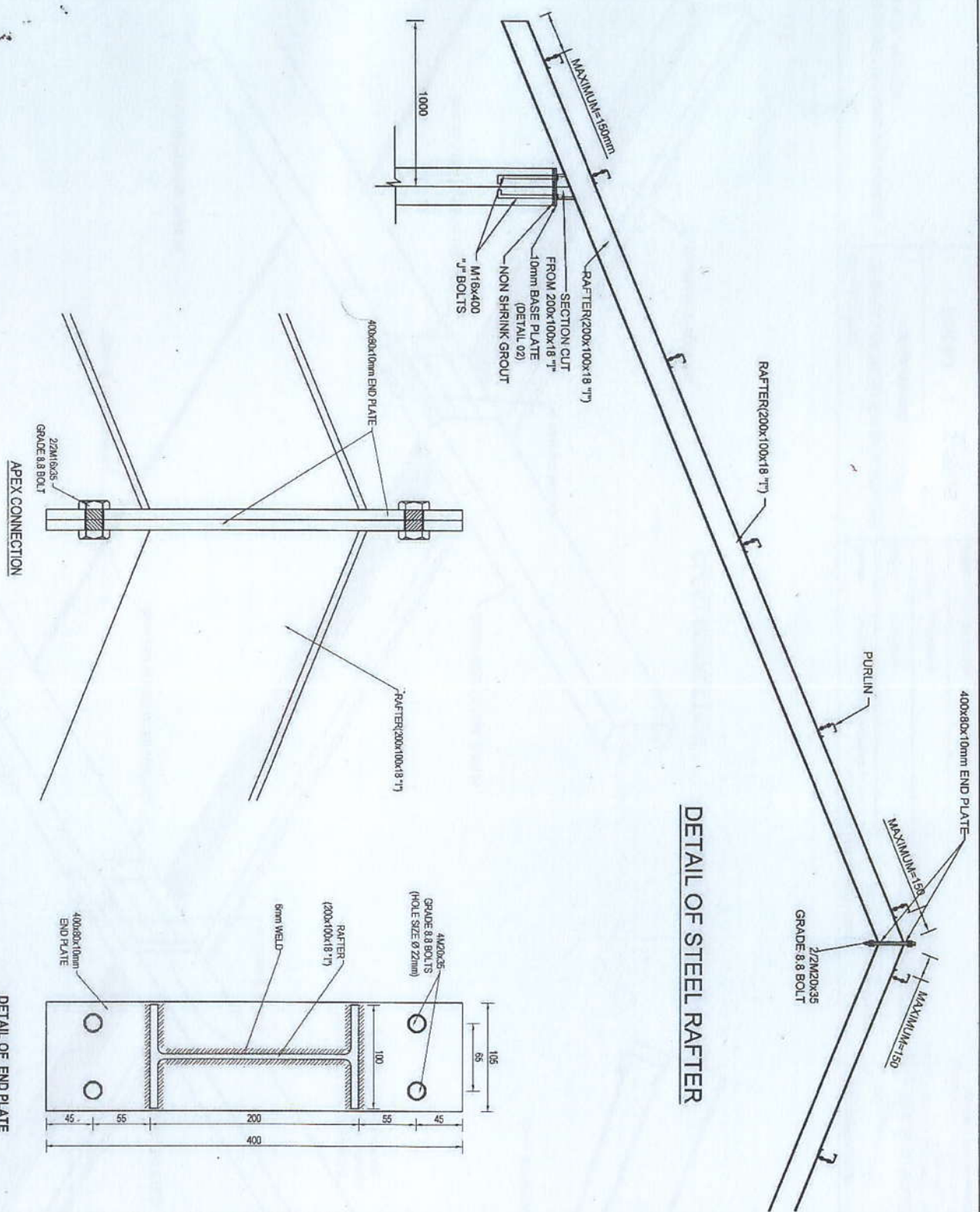
**CLEAT CONNECTION**

**TYPICAL SAG ROD DETAIL**

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		DRAWING TITLE: <b>TYPE PLAN OF TRUSS FOR SPAN 20'-30'0"</b> DETAIL DRAWING	
BSR NO : <b>J-005</b>		DRG NO : <b>CP/CS/11/04/2018/TYPE/TR02/3</b>	DESIGNED BY: Eng. <b>W.M.A.WICKRAMASINGHE</b>
DATE : <b>01.11.2018</b>		SCALE : <b>1:10 @A3</b>	CHECKED BY: 
DRAWN BY : <b>AWANTHI</b>		RECOMMENDED BY: 	
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		Eng. <b>S.A.S.K. WIJESEKARA</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services G/GENERAL/PROVINCIAL/DIRECTOR/CP	
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		APPROVED BY: 	
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		Eng. <b>R. K. R. SENARATHNE</b> Provincial Director (Engineering Services) Department of Engineering Services G/GENERAL/PROVINCIAL/DIRECTOR/CP	



### DETAIL OF STEEL RAFTER



- NOTE**
1. RAFTER = 200x100x18 'T' SECTION
  2. SPAN OF TRUSS = 30'0"-40'0"
  3. 150" < SPACING OF TRUSS < 200"
  4. ROOF COVERING = ZINC ALUMINIUM ALLOY COATED ROOFING SHEET
  5. CEILING = LIGHT WEIGHT MATERIAL
  6. PURLING = (i) 100x50x12 (2mm) LP CHANNEL  
(ii) MAXIMUM SPACING = 1200mm (FOR NORMAL SHEET) = 1500mm (FOR SANDWICH PANELS) = 600mm (FOR TILE PROFILE)
  7. GRADE 8.8 BOLTS TO BE USED.

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

DRAWING TITLE:  
TYPE PLAN OF TRUSS FOR SPAN 30'0"-40'0"  
DETAIL DRAWING

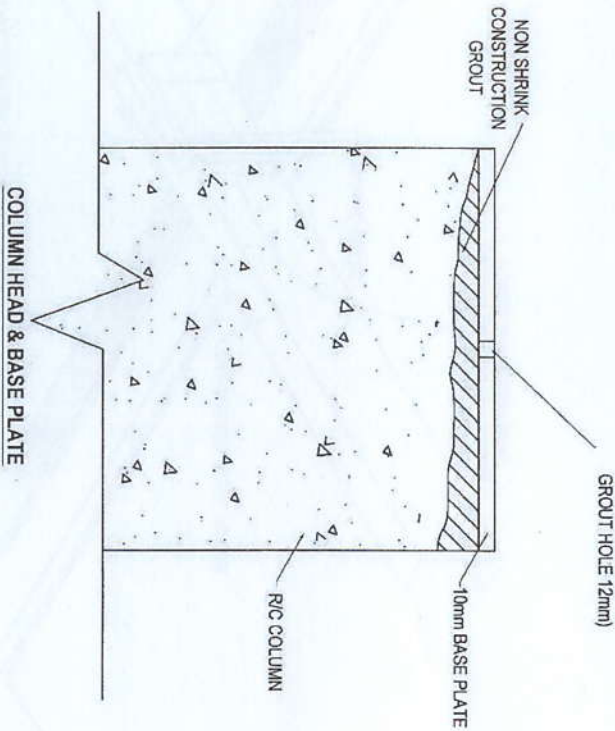
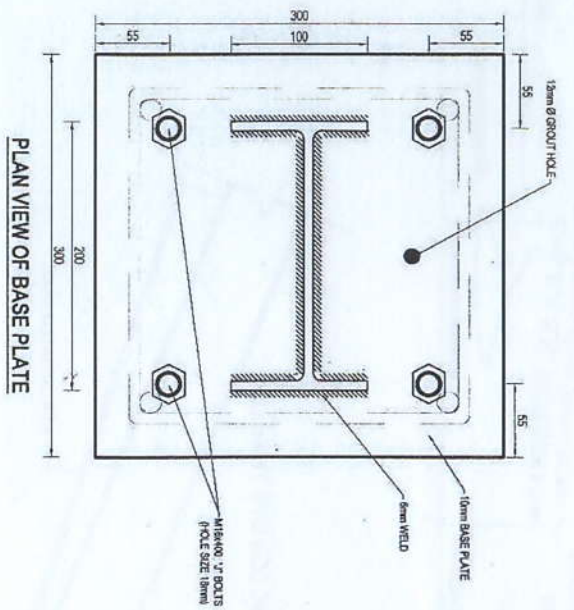
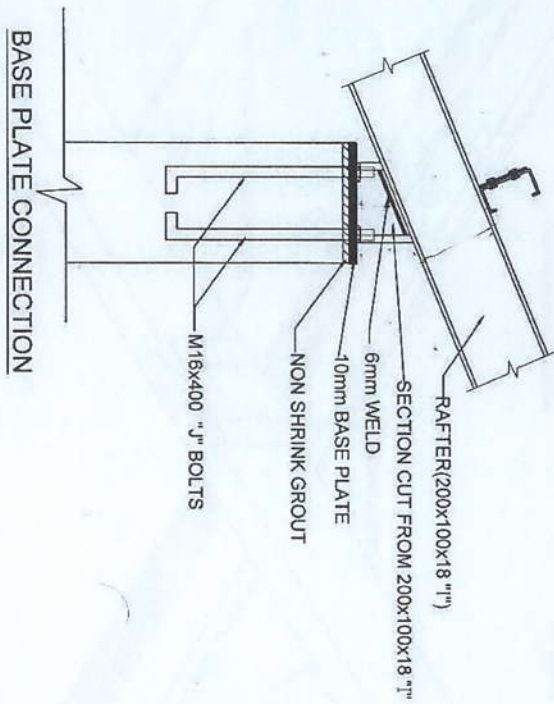
BSR NO : J-006

DESIGNED BY:  
Eng. W.A.WICKRAMASINGHE

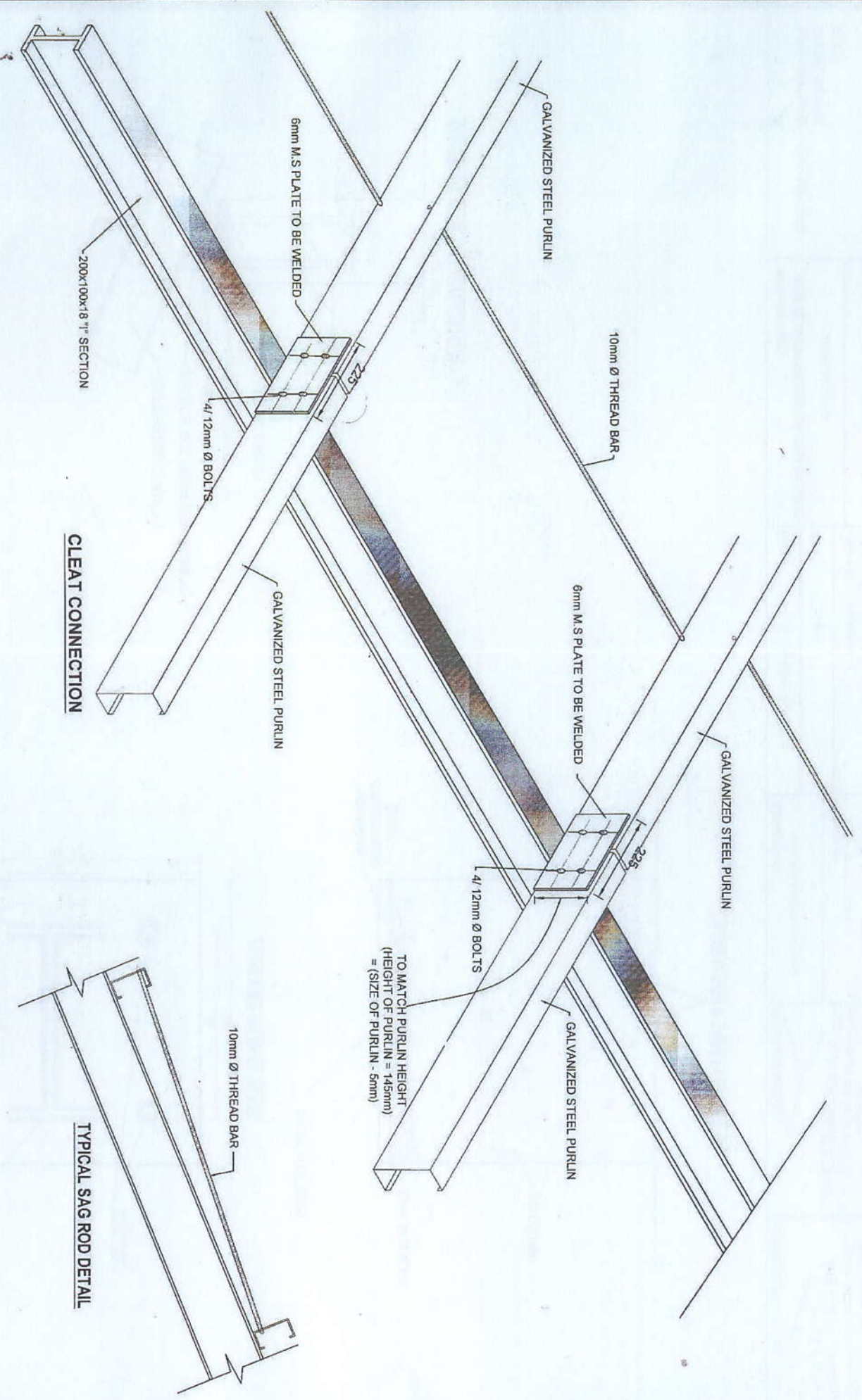
CHECKED BY:  
Eng. S.S. WICKRAMASEKARA  
Department of Engineering Services  
Central Provincial Council, Kandy



APPROVED BY:  
Eng. R.K.R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council, Kandy

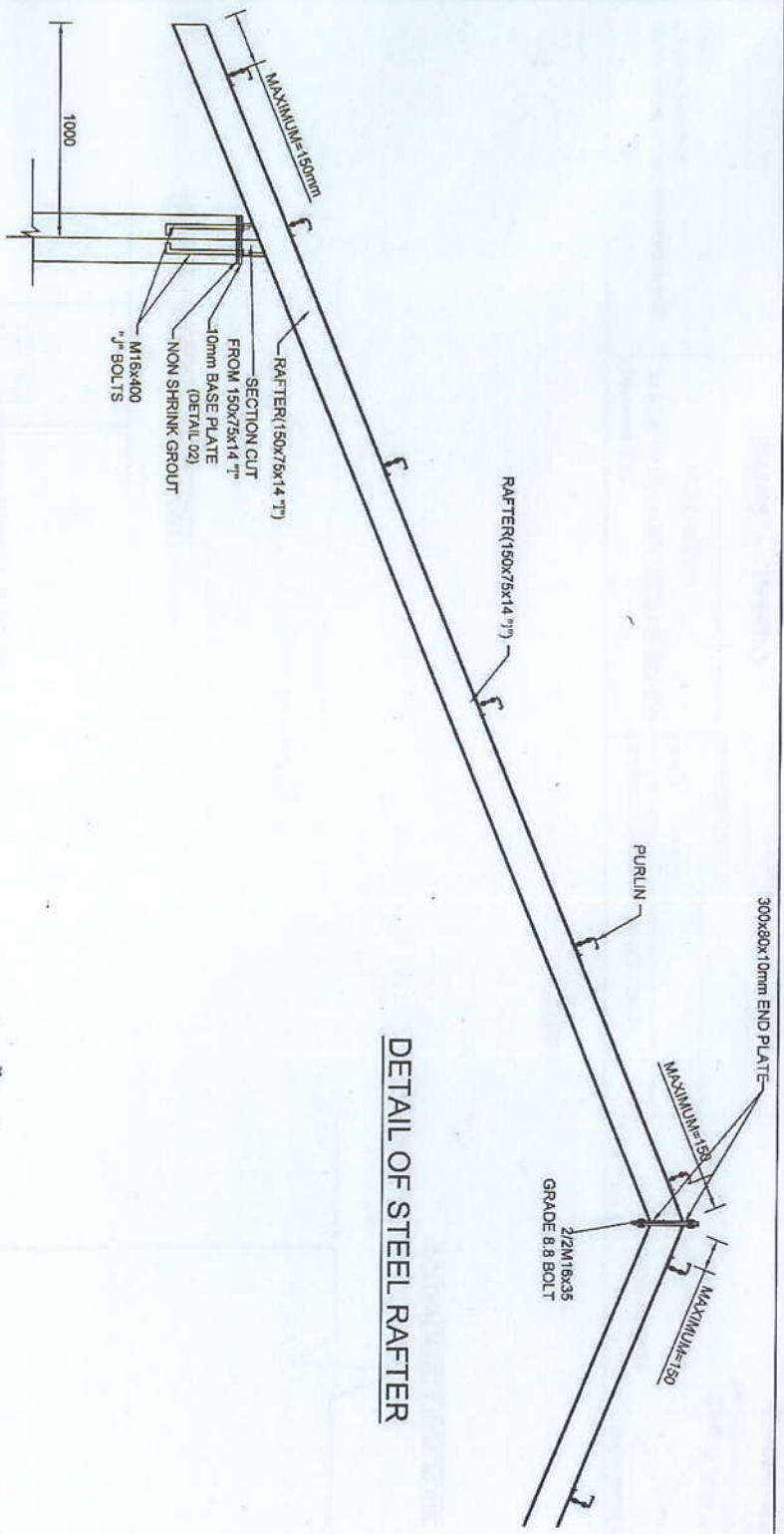
DATE : 01.11.2018



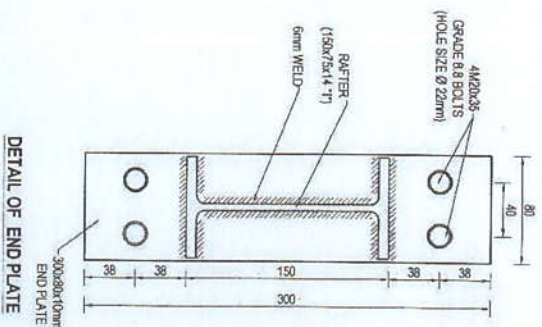
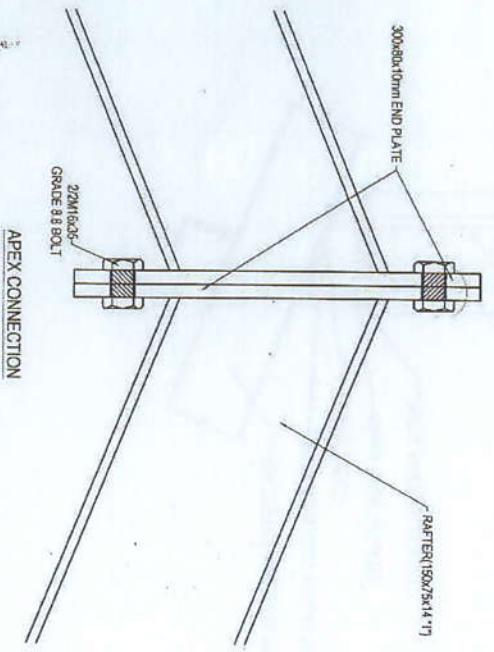
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		DRAWING TITLE: TYPE PLAN OF TRUSS FOR SPAN 300'-400' DETAIL DRAWING	
BSR NO : J-006		DRG. NO : CPC/CS/11/04/2018/TYPE-1/RR/04/2	DESIGNED BY: Eng. W.M.A. WICKRAMASINGHE
DATE : 01.11.2018		SCALE : 1:10@A3	CHECKED BY: 
DRAWN BY : AMANTHI		RECOMMENDED BY: 	
APPROVED BY:  Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services Provincial Director Department of Engineering Services S.W.R. ENGINEERING SERVICES		E.S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Provincial Director Department of Engineering Services Provincial Director Department of Engineering Services S.W.R. ENGINEERING SERVICES	



DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		DRAWING TITLE: <b>TYPE PLAN OF TRUSS FOR SPAN 300'-400'</b> DETAIL DRAWING		DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE		RECOMMENDED BY:  <b>Eng. S.A.S.K. WIJESSEKARA</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services Provincial Council	
BSR NO : J-006		DRG NO : OPC/CS/11/04/2018/TYPE-1/RR/04/3 SCALE : 1:10@A3		CHECKED BY:		APPROVED BY:  <b>Eng. R. K. R. Seneviratne</b> Provincial Director (Engineering Services) Department of Engineering Services Provincial Council	
DRAWN BY : AWANTHI		DATE : 01.11.2018		DATE :		DATE :	



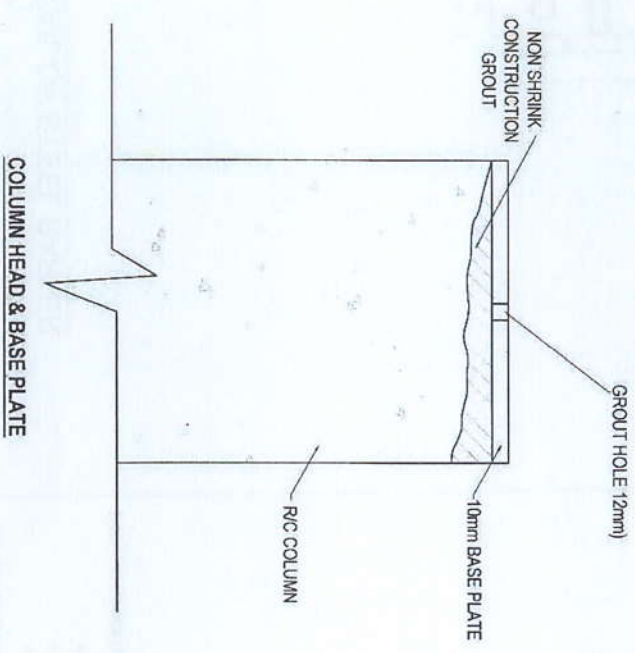
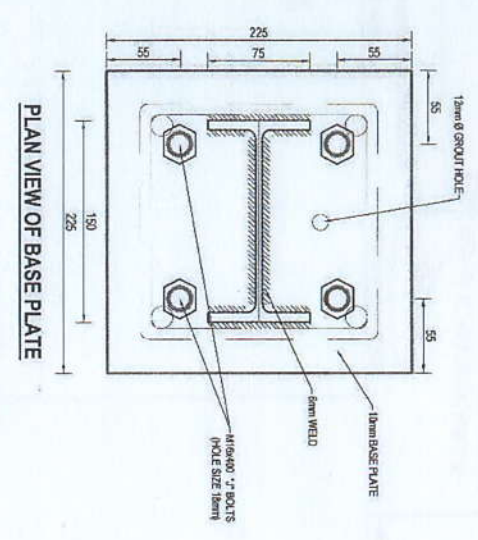
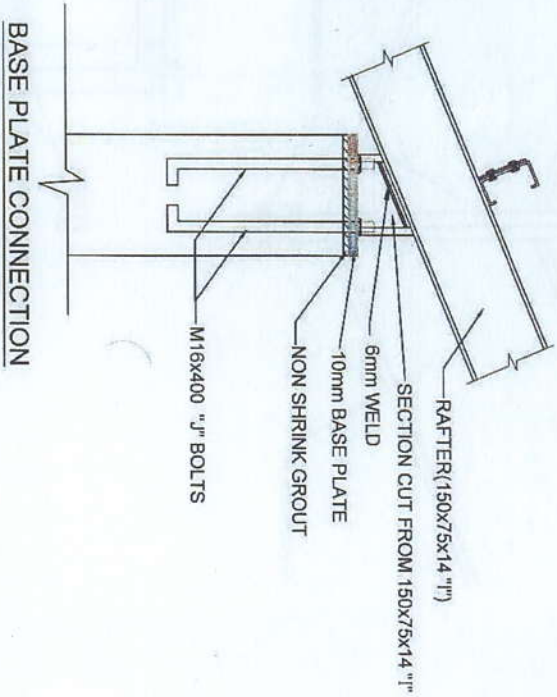
**DETAIL OF STEEL RAFTER**





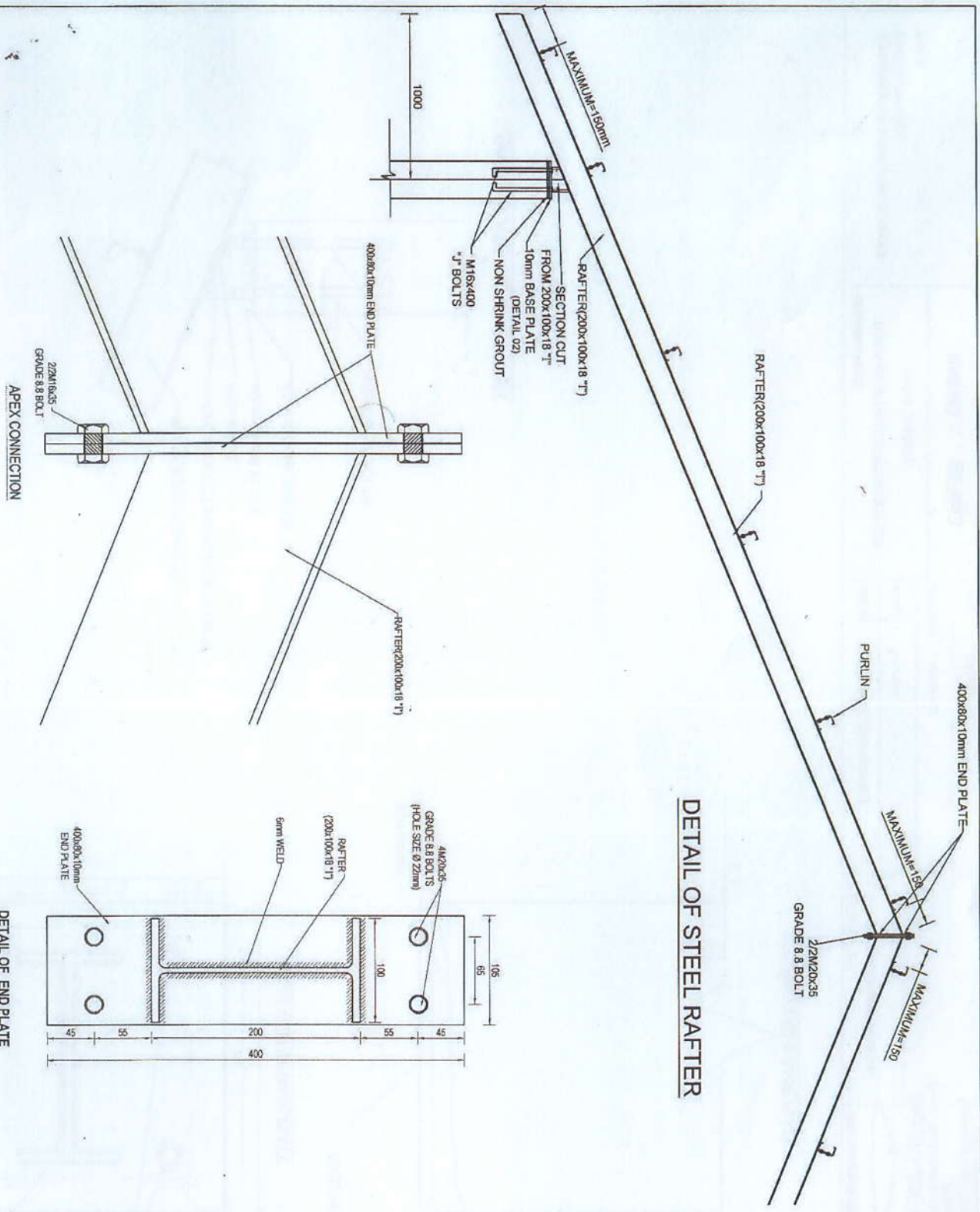
**DETAIL OF END PLATE**

- NOTE**
1. RAFTER = 150x75x14 "T" SECTION
  2. SPAN OF TRUSS = 20°-30°
  3. SPACING OF TRUSS ≤ 19°
  4. ROOF COVERING = ZINC ALUMINIUM ALLOY COATED ROOFING SHEET
  5. CEILING = LIGHT WEIGHT MATERIAL
  6. PURLIN = 100x50x12 (2mm) LIP CHANNEL
  - (i) MAXIMUM SPACING = 1200mm (FOR NORMAL SHEET), = 1500mm (FOR SANDWICH PANELS) = 600mm (FOR TILE PROFILE)
  7. GRADE 8.8 BOLTS TO BE USED.

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.	DRAWING TITLE: <b>TYPE PLAN OF TRUSS FOR SPAN 20°-30°</b> DETAIL DRAWING	DRG NO : CPCCS/11/04/2018/TYPE- IIR/01/11 SCALE : 1:250/1:10 @A3 DRAWN BY : AMANTHI DATE : 01.11.2018
BSR NO : <b>J-007</b>		DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE
CHECKED BY: 		RECOMMENDED BY: 
Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Provincial Director (Engineering Services)		Eng. R.K.R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services Provincial Director (Engineering Services)



DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.	DRAWING TITLE: TYPE PLAN OF TRUSS FOR SPAN 200'-300' DETAIL DRAWING	DRG. NO. : CPDGS/11/04 /2018/TYPE-11R01/2 SCALE : 1:4 @A3	DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE	RECOMMENDED BY:  <b>Eng. S.A.S.K. WIJESSEKARA</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services Central/Provincial Council	APPROVED BY:  <b>Eng. R.K.K. Seneviratne</b> Provincial Director (Engineering Services) Department of Engineering Services Provincial Council c/w/ENGISEERING,SRIPRASEAWATHA
	BSR NO : J-007	DATE : 01.11.2018	DRAWN BY: AWANTHI	CHECKED BY:	



**DETAIL OF STEEL RAFTER**

- NOTE**
- 1. RAFTER = 200x100x18 "T" SECTION
  - 2. SPAN OF TRUSS = 30'-40"
  - 3. SPACING OF TRUSS < 15'
  - 4. ROOF COVERING = ZINC ALUMINIUM ALLOY COATED ROOFING SHEET
  - 5. CEILING = LIGHT WEIGHT MATERIAL
  - 6. PURLING
    - (1) 100x50x12 (2mm) LIP CHANNEL
    - (2) MAXIMUM SPACING
      - = 1200mm (FOR NORMAL SHEET)
      - = 1500mm (FOR SANDWICH PANELS)
      - = 600mm (FOR TILE PROFILE)
  - 7. GRADE 8.8 BOLTS TO BE USED.

DRAWING TITLE:  
TYPE PLAN OF TRUSS FOR SPAN 30'-40'

DRG. NO. : GPOCS/11/04/2018/TYPE - ITR/03/1  
SCALE : 1:25 / 1:10 @A3  
DRAWN BY : AWANTHI  
DATE : 01.11.2018

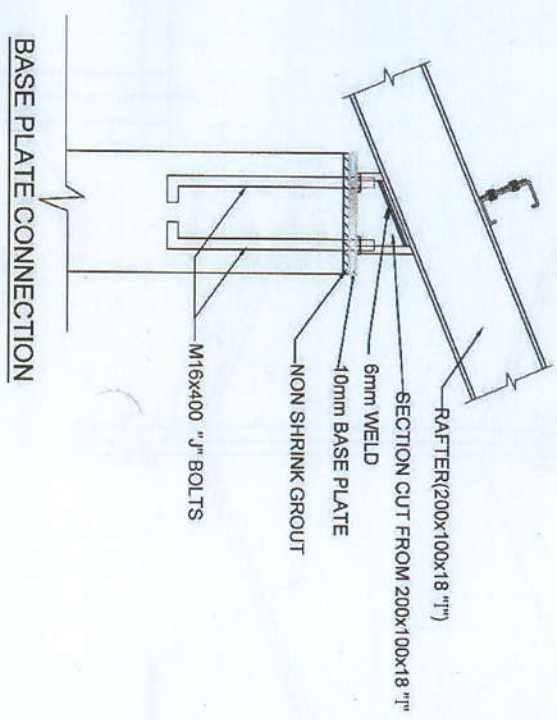
DESIGNED BY:  
Eng. W.M.A.WICKRAMASINGHE

RECOMMENDED BY:  
Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Engineering Services  
Kandy

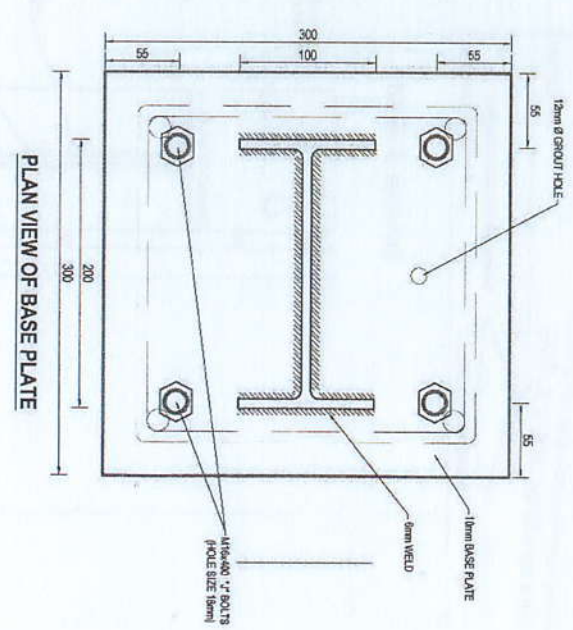
APPROVED BY:  
Eng. R. K. R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Engineering Services  
Kandy

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

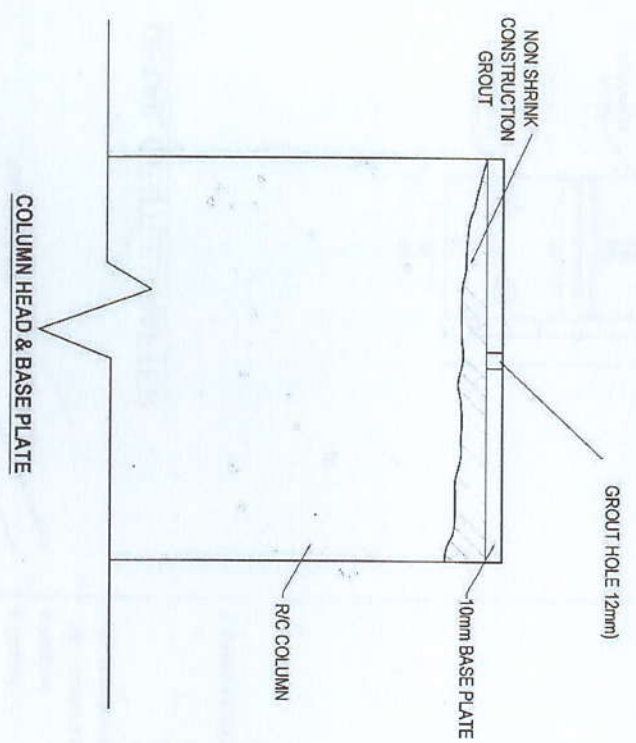
BSR NO : J-008



BASE PLATE CONNECTION



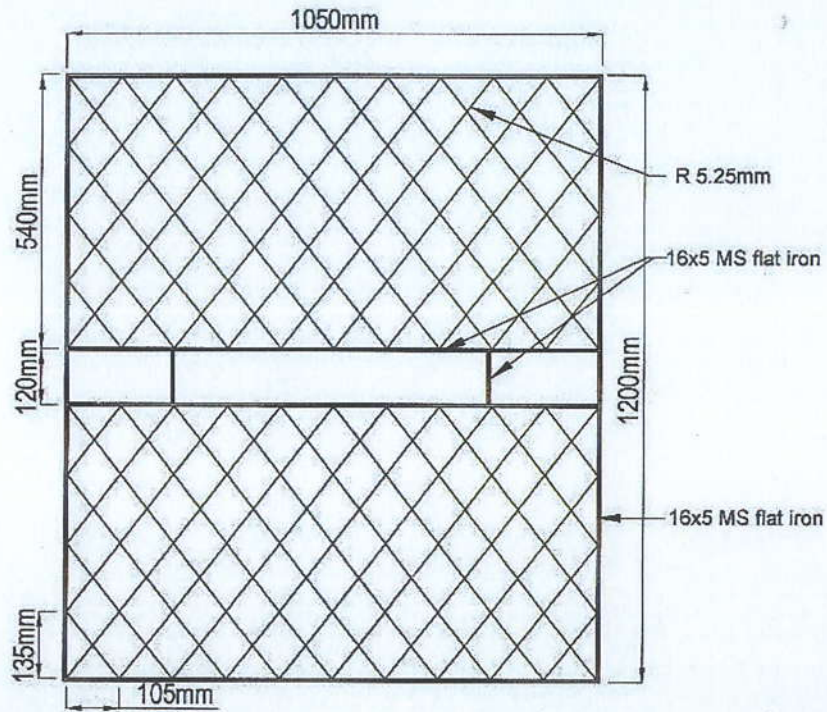
PLAN VIEW OF BASE PLATE



COLUMN HEAD & BASE PLATE

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		DRAWING TITLE: TYPE PLAN OF TRUSS FOR SPAN 300'-400' DETAIL DRAWING		DRG. NO. : EPOCS/11/04/2018/TYPE/ITR03/2 SCALE : 1:10@A3		DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE		RECOMMENDED BY:  <b>Eng. S.A.S.K. WIJSEKARA</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Province, Sri Lanka		APPROVED BY:  <b>Eng. R. K. R. Seneviratne</b> Provincial Director (Engineering Services) Department of Engineering Services Provincial Director S.W. ENGINEERING SERVICES Sri Lanka	
BSR NO : J-008		DRAWN BY : AWANTHI DATE : 01.11.2018		CHECKED BY:		Eng. R. K. R. Seneviratne Provincial Director (Engineering Services)		Date: 12/13		Date: 12/13	

## SPECIAL SECURITY GRILL FIXED TO WINDOWS

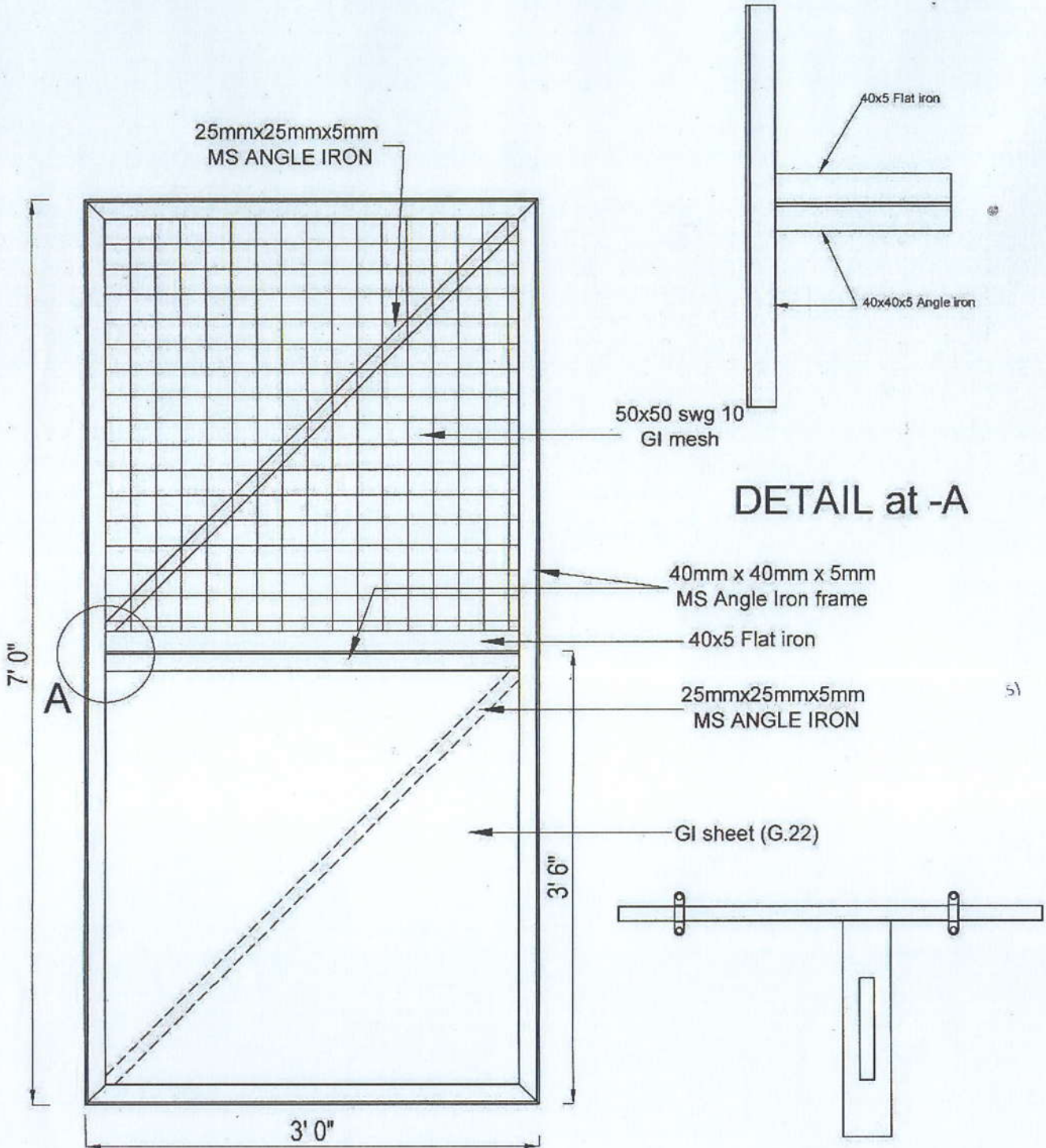


NOTE:  
ALL CONNECTIONS TO BE WELDED

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN FOR SPECIAL SECURITY GRILL FIXED TO WINDOWS  DETAIL DRAWING (REVISED DESIGN-2018)	DRAWN BY- SHARLY SCALE-NTS	DRG. NO. CPC/CS/ 11/ 04 /2018/TYPE-ST/09	
	BSR ITEM - K-018	DESIGNED BY- Eng. A.G.SAMARASINGHE DATE - 01-11-2018	CHECKED BY- 	 18/12/18
	<b>Eng. S.A.S.K. WIJESEKARA</b> DEPUTY PROVINCIAL DIRECTOR (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy.		<b>Eng. S.R. Seneviratne</b> DEPUTY PROVINCIAL DIRECTOR (Engineering Services) Department of Engineering Services No. 230/3, S.W.R.D. Bandaranayake Mawatha Kandy	
	Department of Engineering Services Central Provincial Council Kandy.			



# SECURITY WELD MESH DOOR WITH LOCKING DEVICE



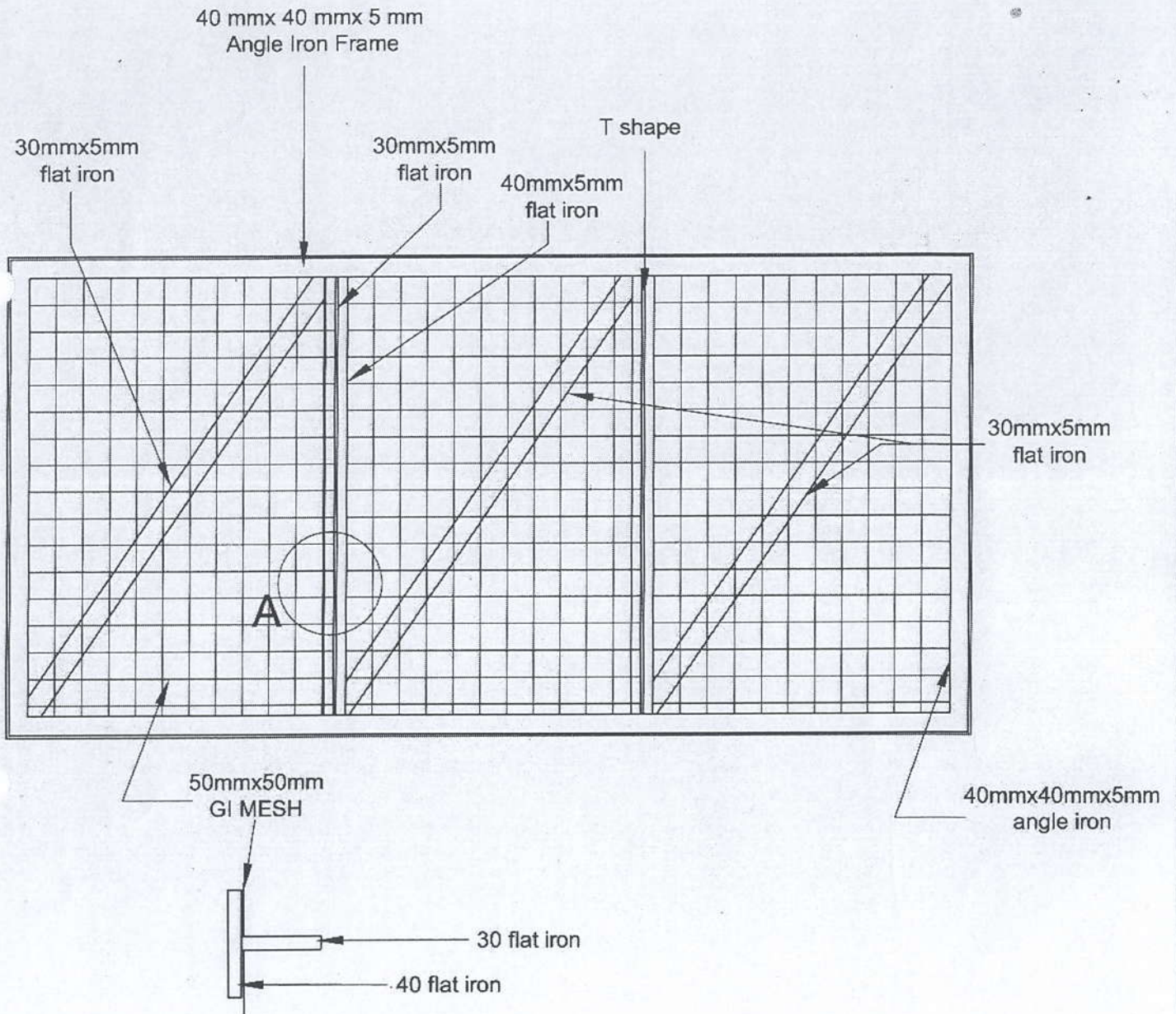
**DETAIL at -A**

**LOCKING DEVICE**

**NOTE:**  
ALL CONNECTIONS TO BE WELDED

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN FOR SECURITY WELD MESH DOOR WITH LOCKING DEVICE DETAIL DRAWING	DRAWN BY- SHARLY    SCALE-1:30 /1:100/1:250	DRG. NO- CPC/CS/ 11/ 04 /2017/TYPE-ST/06	
	BSR ITEM <b>K-021</b>	DESIGNED BY- Eng. A.G.SAMARASINGHE	DATE - 01-12-2018	
	Eng. <b>S.A.S.K. WIJESEKARA</b> Deputy Provincial Director (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy.	Eng. <b>R. K. R. Seneviratne</b> Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Provincial Council Kandy.	No. 2023, C.M.R.D. Bandaranayake Mawatha	
	DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY			

# SECURITY WELD MESH IN OPEN TYPE BUILDINGS



DETAIL at -A

NOTE:

ALL CONNECTIONS TO BE WELDED

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

TYPE PLAN  
FOR  
SECURITY WELD  
MESH IN OPEN TYPE  
BUILDINGS

DETAIL DRAWING  
BSR ITEM- K-022

DRAWN BY- SHARLY

SCALE- NTS

DRG. NO.-CPC/CS/ 11/ 04 /2017/TTYPE-ST/07

DESIGNED BY- Eng. A.G.SAMARASINGHE

DATE - 01-11-2017

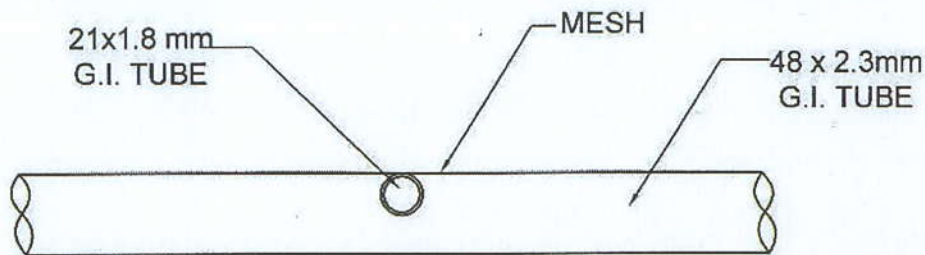
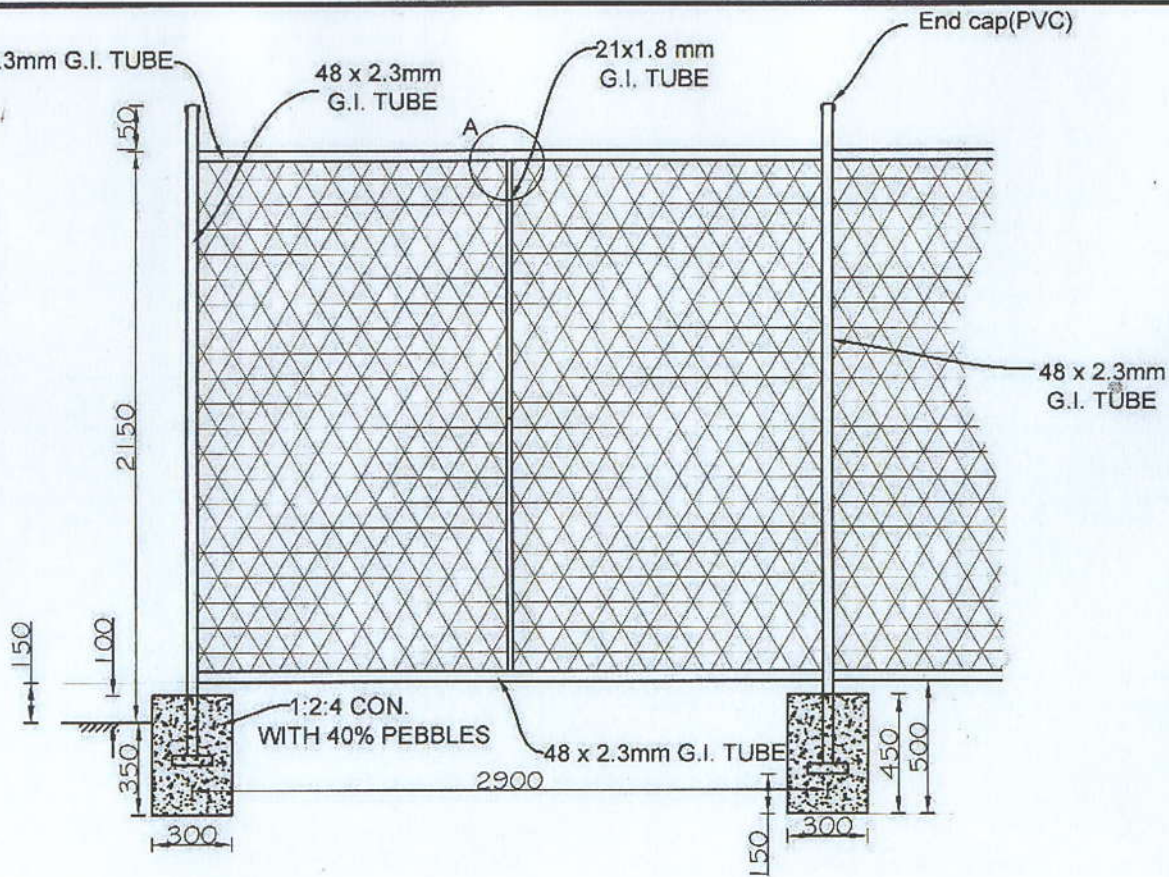
CHECKED BY- *[Signature]*

**Eng. S.A.S.K. WIJESEKARA**  
Deputy Provincial Director (Engineering Services)  
Planning

**Eng. H.W.S.P. Jayawardhan**  
Provincial Director (Engineering Services)  
Department of Engineering Services  
PROVINCIAL DIRECTOR  
(ENGINEERING SERVICES)

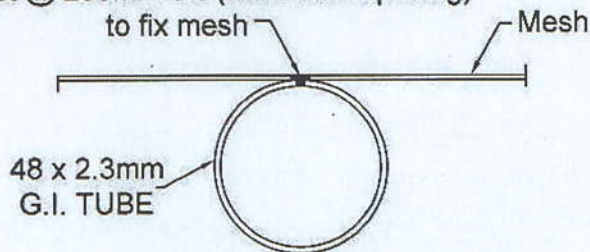
Department of Engineering Services  
Central Provincial Council  
Kandy.

S.W.P.B. Bandaranayake Mawatha



PLAN VIEW OF "A"

6mmx3mm Flat iron spot welded to G.I post @ 250mm c/c (Maximum spacing)

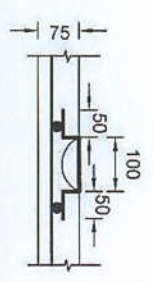
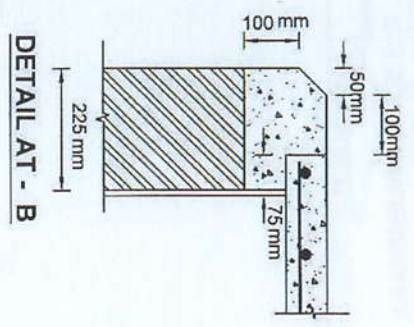
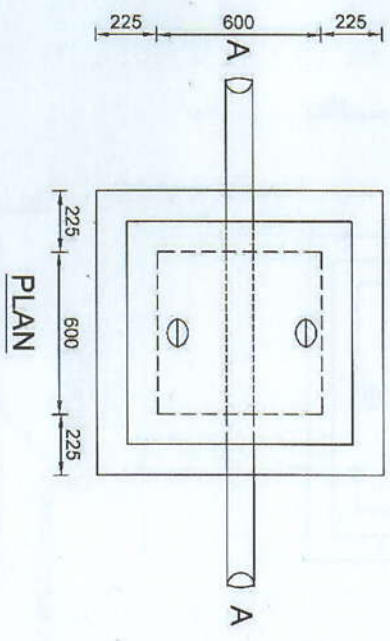
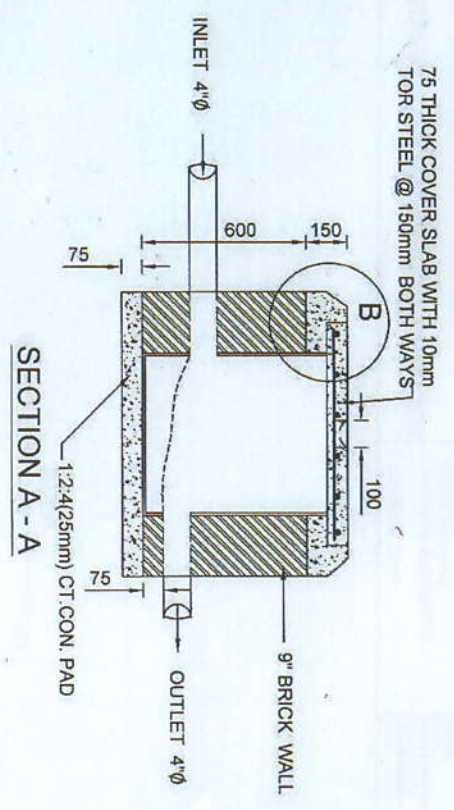


FIXING DETAIL OF MESH

NOTE

1. ALL CONNECTIONS TO BE WELDED
2. MINIMUM DIAMETERS GIVEN FOR G.I. TUBES

DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN OF PRE FABRICATED CHAIN LINK FENCE DETAIL DRAWING	DRAWN BY- AWANTHI	SCALE - 1:25 / 1:10	DRG. NO.-CPC/CS/ 11/ 04 /2017/TYPE-CLF/01	
		DESIGNED BY- Eng. W.M.A.WICKRAMASINGHE	CHECKED BY-	DATE - 01-12-2018	
		<b>Eng. S.A.S.K. WIJESEKARA</b> Deputy Provincial Director (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy.		<b>Eng. R. K. R. Seneviratne</b> Provincial Director (Engineering Services) Department of Engineering Services Provincial Council No. 220/3 (ENGINEERING SERVICES) S.V.R.D. Bandaranayake Mawatha, Kandy.	
		K-023		PROVINCIAL COUNCIL	



**DETAIL OF FIXING LIFTING HANDLE**

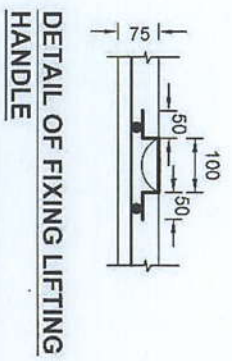
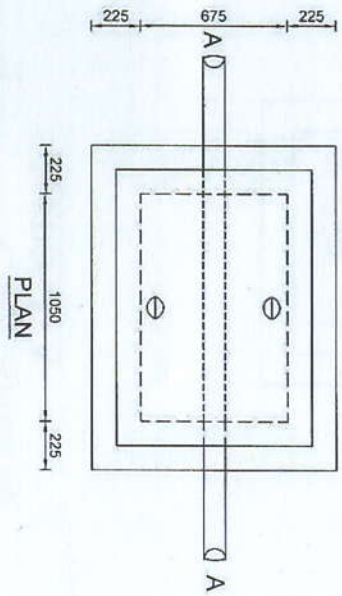
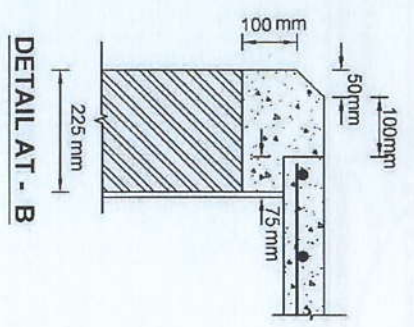
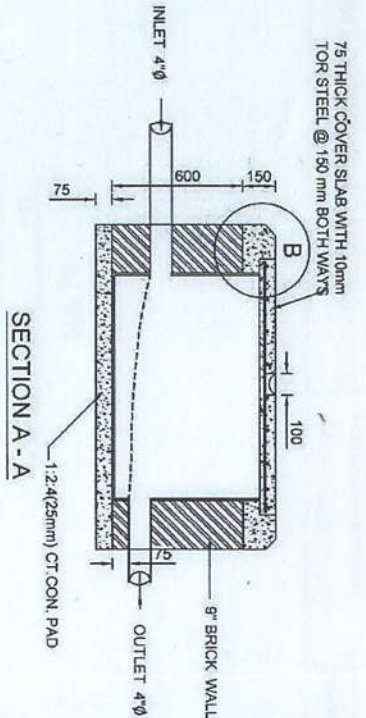
DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY.

DRAWING TITLE:  
TYPE PLAN OF MANHOLE  
DETAIL DRAWING  
BSR NO : W - C10

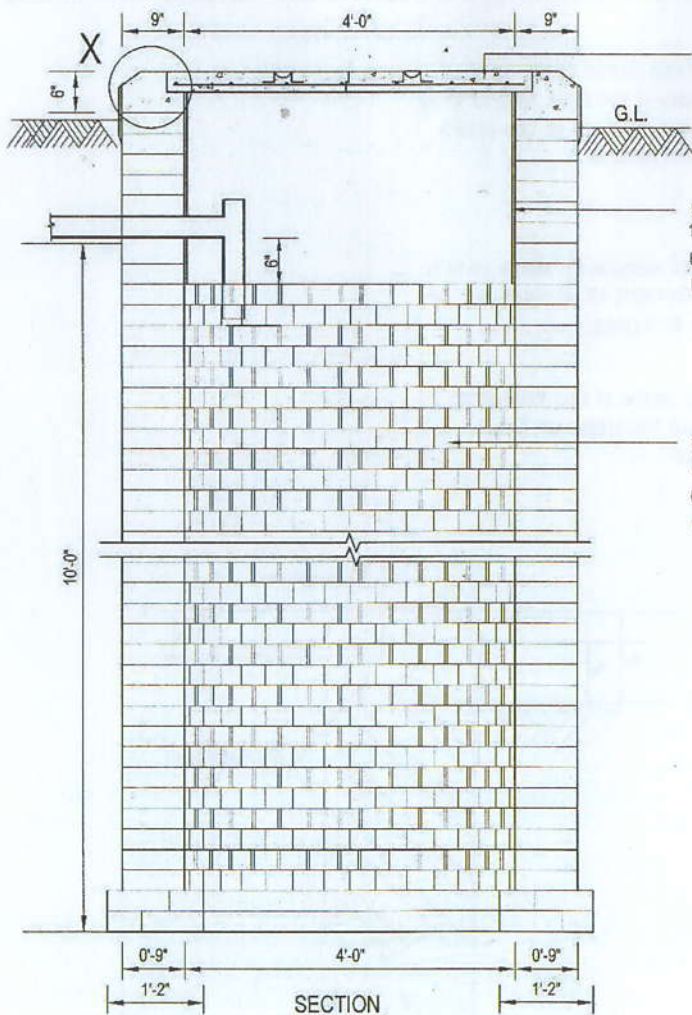
DRAWING NO: CPC/CS/1104/2018/TYPE - MH01  
SCALE : 1:25, 1:10  
DRAWN BY: CHANDRIKA  
DATE: 03.11.2018

DESIGNED BY:  
Eng. W.M.A.MICKRAMASINGHE  
RECOMMENDED BY:  
**Eng. S.A.S.K. WIJESSEKARA**  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Director

APPROVED BY:  
**Eng. R. K. R. Seneviratne**  
Provincial Director (Engineering Services)  
Department of Engineering Services  
No. 230/3,  
S.M.R.D. Bandula



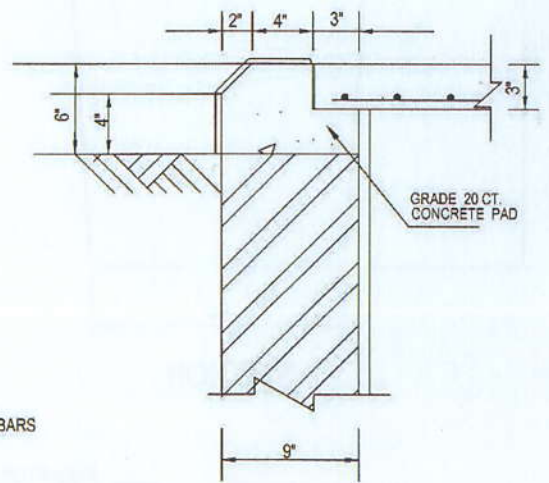
DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY.		DRAWING TITLE: TYPE PLAN OF MANHOLE DETAIL DRAWING		DRAWING NO.: CPC/CS/1104/2018/T/TYPE - MH02 SCALE : 1:25, 1:10		DESIGNED BY: Eng. W.M.A.WICKRAMASINGHE		RECOMMENDED BY: Eng. S.A.S.K. WIJESSEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services Central Province KANDY.		APPROVED BY: Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services No. 230/3, KANDY.	
BSR NO : W - 011		DRAWN BY: CHANDRIKA		DATE: 03.11.2018		CHECKED BY:		DEPUTY PROVINCIAL DIRECTOR		DEPARTMENT OF ENGINEERING SERVICES	



3" THICK CT.CON. COVER GRADE 20 MIX.  
R/F WITH 10mm Ø TOR STEEL BARS AT 8" C/C  
BOTHWAYS. THE COVER TO BE LAID IN TWO  
SECTIONS WITH HANDLES.

9" THK. BRICK WORK IN CT. MOTAR  
1:5 WITH 1/2" CT. RENDERING 1:3.  
6" FROM INLET UP TO COVER SLAB  
LEVEL.

9" THK. BRICK WORK IN CT. MORTAR  
1:5 WITH EVERY ALTERNATIVE COURSE BELOW  
6" FROM INLET TO BE LAID DRY WITH  
1/4" VERTICAL SPACES BETWEEN BRICKS

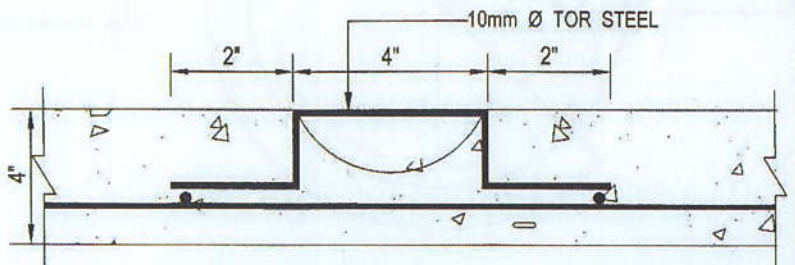
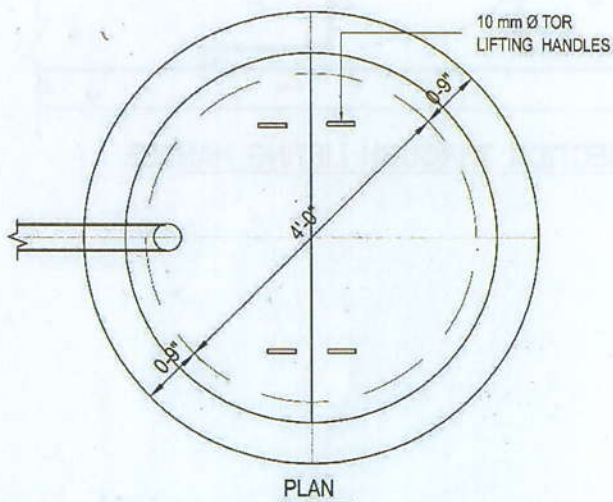


DETAIL AT X



R.C.C. CIRCULAR RING BEAM  
R/F WITH 4 NOS. 12mm Ø TOR STEEL BARS  
& 6mm Ø STIRRUPS AT 8" C/C.

ALTERNATIVE RING FOUNDATION  
TO PROTECT SINK PIT IN LOOSE SOIL



SECTION THROUGH LIFTING HANDLE

DEPARTMENT OF ENGINEERING SERVICES

CENTRAL PROVINCE,

BSR ITEM W - 014

TYPE PLAN OF SOAKAGE PIT 4'-0"  
(LOOSE SOIL)

DRAWN BY- Nilmini

DRG. NO.-CPC/CS/ 11/ 04 /2018/TYPE-SP/03

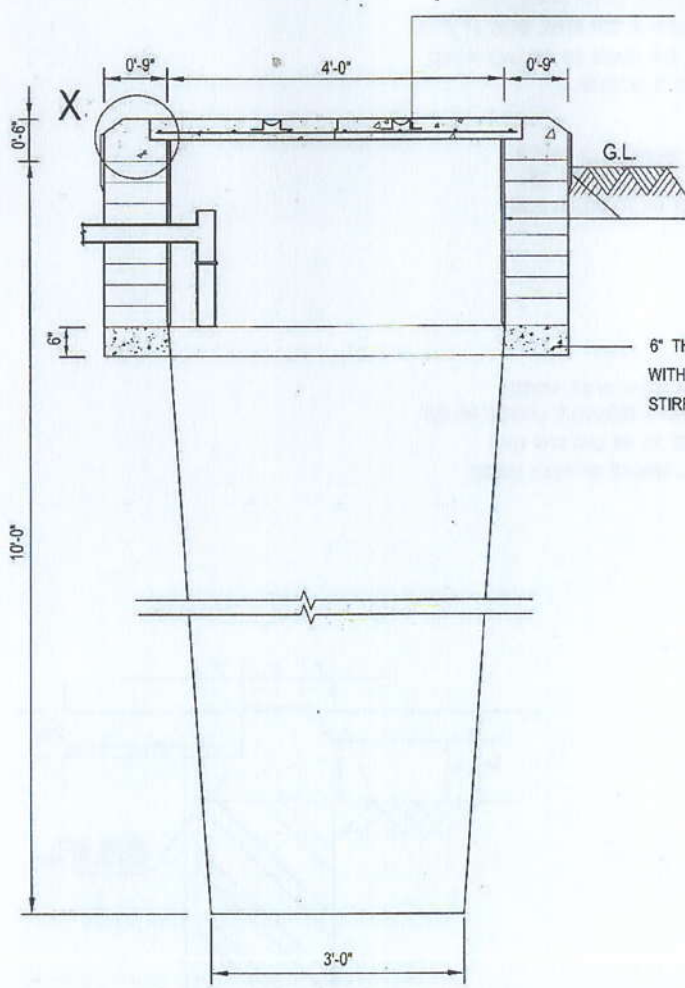
CHECKED BY-

Eng. S.A.S.K. WIJESEKARA  
Deputy Provincial Director (Engineering Services)  
DEPUTY PROVINCIAL DIRECTOR (ENG SERV.)  
Department of Engineering Services

SCALE - 8 FEET TO AN INCH

DATE - 16-11-2018

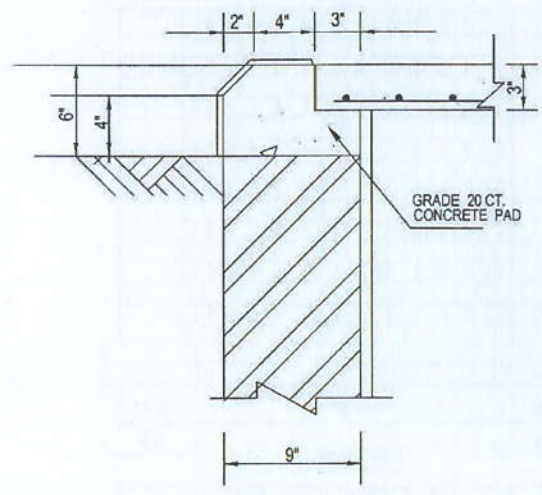
Eng. R. K. R. Seneviratne  
Provincial Director (Engineering Services)  
PROVINCIAL DIRECTOR (ENGINEERING SERVICES)  
No. 220/2



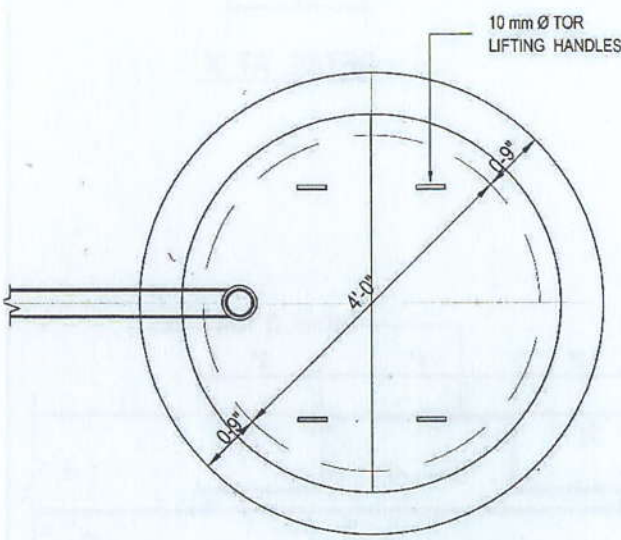
3" THICK CT.CON. COVER GRADE 20 MIX.  
R/F WITH 10mm Ø TOR STEEL BARS AT 8" C/C  
BOTHWAYS. THE COVER TO BE LAID IN TWO  
SECTIONS WITH HANDLES.

9" THK.BRICK WORK IN CT. MOTAR 1:5 WITH  
1/2" CT. RENDERING 1:3. 6" FROM INLET UP  
TO COVER SLAB LEVEL.

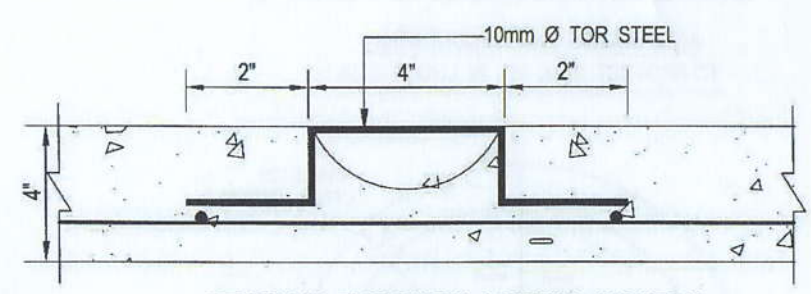
6" THICK CT. CON. GRADE 20 RING REINFORCED  
WITH 4 NOS. 12mm Ø TOR STEEL BARS & 6mm  
STIRRUPS AT 6" C/C



DETAIL AT X



PLAN



SECTION THROUGH LIFTING HANDLE

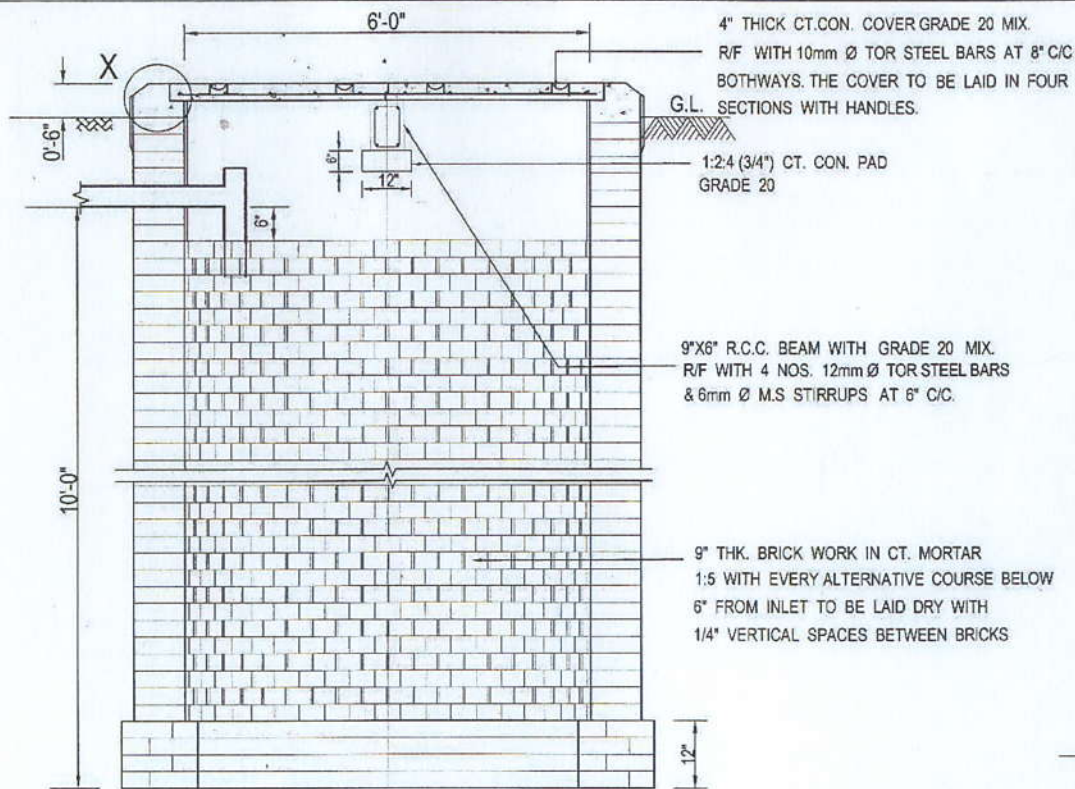
DEPARTMENT OF ENGINEERING SERVICES

CENTRAL PROVINCE,

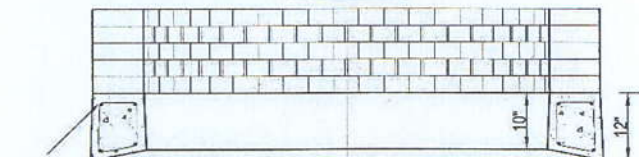
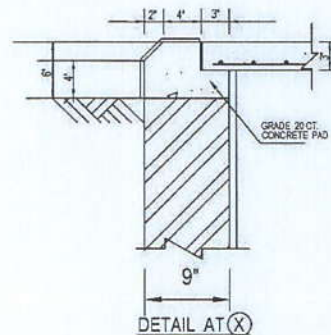
BSR ITEM W-015

TYPE PLAN OF SOAKAGE PIT 4'-0"  
(HARD SOIL)

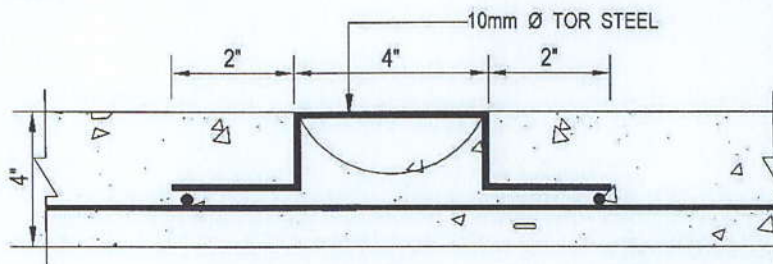
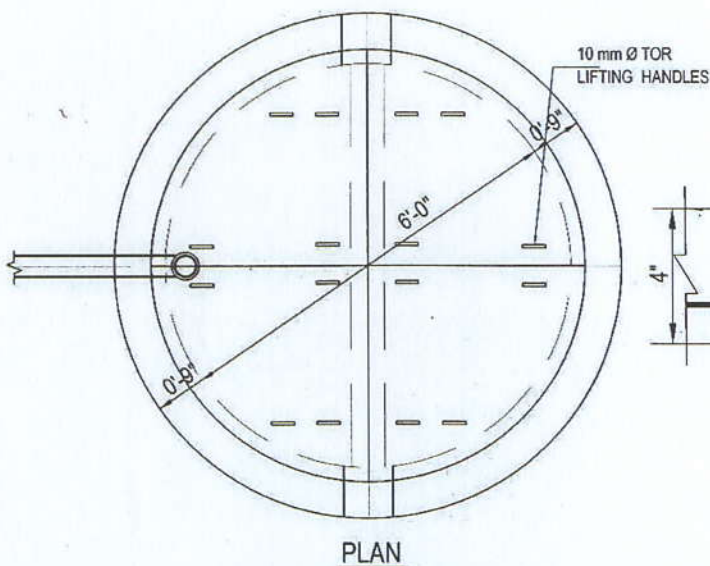
DRAWN BY- Nilmini	SCALE - 8 FEET TO AN INCH
DRG. NO.-CPC/CS/ 11/04/2018/TYPE-SP/04	DATE - 16-11-2018
CHECKED BY-	
Eng. S.A.S.K. WIJESEKARA Deputy Provincial Director (Engineering Services) Department of Engineering Services	Eng. R. K. R. Ranaviratne Provincial Director (Engineering Services) Department of Engineering Services PROVINCIAL DIRECTOR (ENGINEERING SERVICES)



SECTION



ALTERNATIVE RING FOUNDATION  
TO PROTECT SINK PIT IN LOOSE SOIL



SECTION THROUGH LIFTING HANDLE

DEPARTMENT OF ENGINEERING SERVICES

CENTRAL PROVINCE,

BSR ITEM W -016

TYPE PLAN OF SOAKAGE PIT 6'-0"  
(LOOSE SOIL)

DRAWN BY- Nilmini

DRG. NO.-CPC/CS/ 11/ 04 /2018/TYPE-SP/05

CHECKED BY-

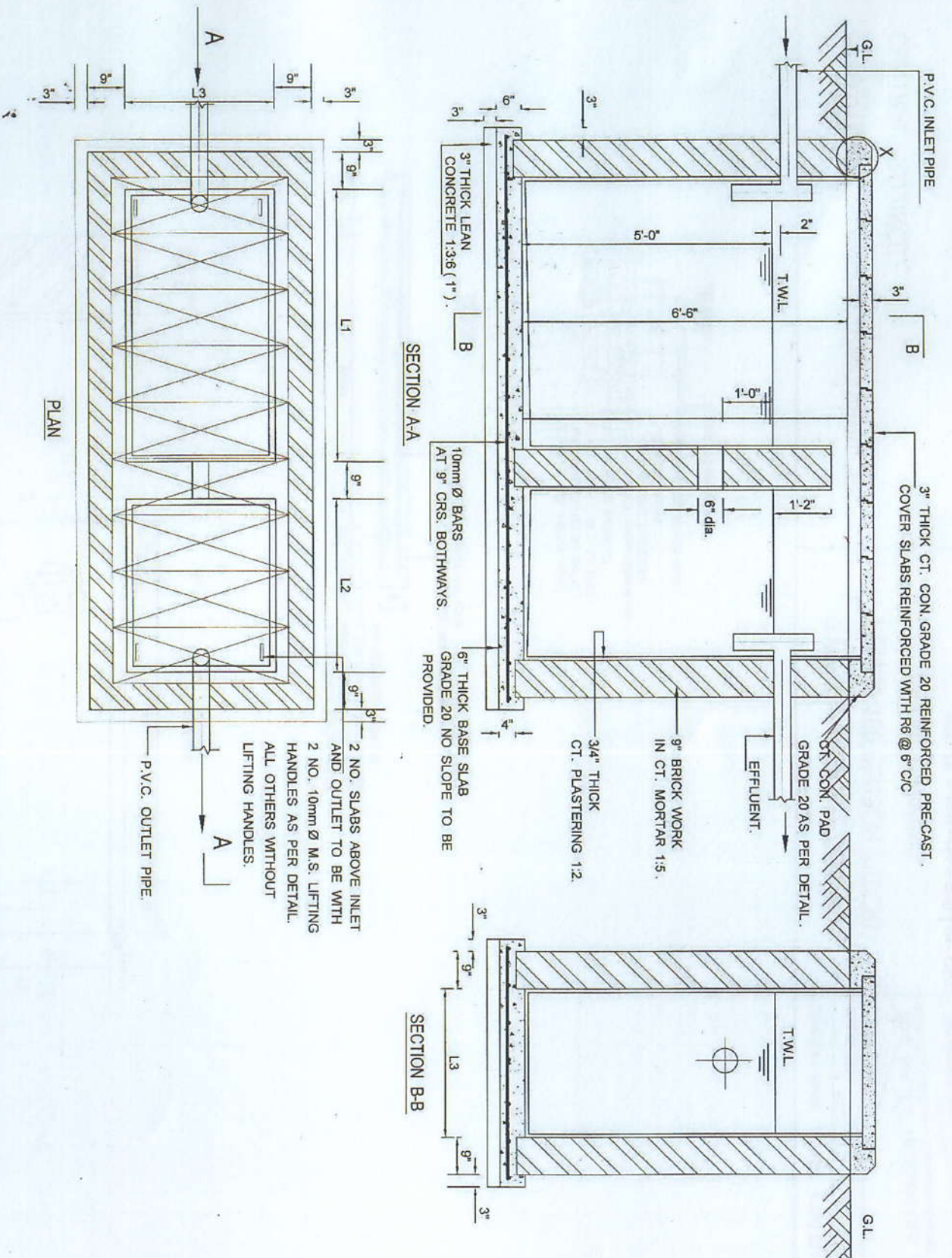
Eng. S.A.S.K. WIJESEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council

SCALE -8 FEET TO AN INCH

DATE - 16-11-2018

Eng. R. K. R. Seneviratne  
Provincial Director (Engineering Services)  
Department of Engineering Services  
PROVINCIAL DIRECTOR (ENGINEERING SERVICES)





2 NO. SLABS ABOVE INLET AND OUTLET TO BE WITH 2 NO. 10mm Ø M.S. LIFTING HANDLES AS PER DETAIL. ALL OTHERS WITHOUT LIFTING HANDLES.

DIMENSIONS OF SEPTIC TANKS				
PERSONS	L1+L2	L1	L2	L3
30	7'-0"	4'-6"	2'-6"	3'-0"
40	8'-0"	5'-0"	3'-0"	-DO-
50	9'-0"	5'-6"	3'-6"	-DO-
60	10'-0"	6'-0"	4'-0"	-DO-
70	10'-0"	6'-6"	3'-6"	3'-6"
80	11'-0"	7'-0"	4'-0"	-DO-
90	12'-0"	7'-6"	4'-6"	-DO-
100	13'-0"	8'-6"	4'-6"	-DO-

\* SEPTIC TANK TO BE FILLED WITH WATER UP TO 'T.W.L. BEFORE BEING PUT INTO USE.  
INTERNAL FACE OF SEPTIC TANK TO BE RENDERED IN CEMENT MORTAR IN TWO LAYERS  
INTERNAL FACE OF SEPTIC TANK TO BE RENDERED IN CEMENT MORTAR IN TWO LAYERS  
1/2" THK. EACH TWO COATS A WATER PROOFING AGENT (THAROSEAL OR SMARTF TO BE APPLIED ON THE FIRST LAYER OF PLASTERING

\* CHARACTERISTICS STRENGTH OF MATERIALS  
CONCRETE - 20 N /mm (fy)  
(GRADE 20 CONCRETE TO BE USED)

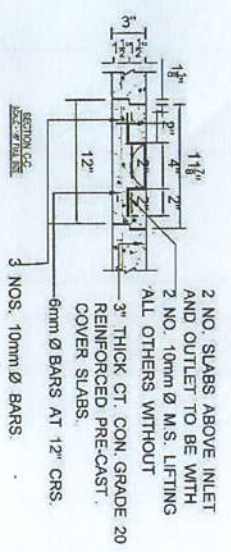
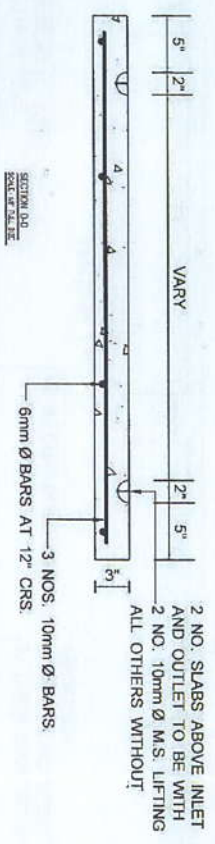
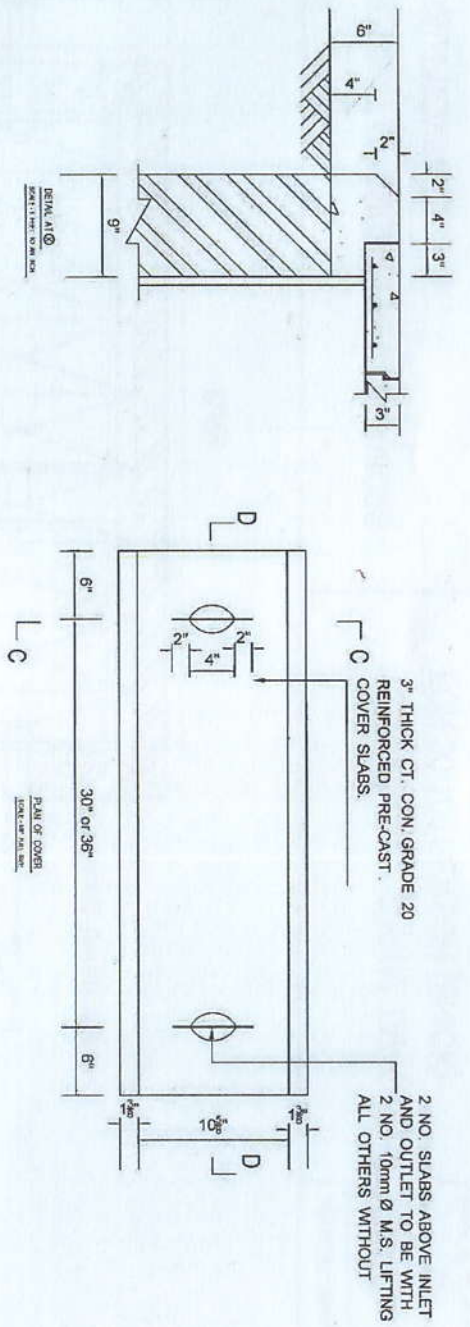
DRAWN BY: Nihini SCALE: 4 FEET TO AN INCH

CHECKED BY:

DRG. NO. CPC/GS/11/04/2018/TYPE-SEPT/01-(0)  
DATE - 31-10-2018

Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
PROVINCIAL DEPARTMENT OF ENGINEERING SERVICES

Eng. R. K. S. BHARATHA  
Provincial Director (Engineering Services)  
DEPARTMENT OF ENGINEERING SERVICES



DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,

TYPE PLAN OF SEPTIC TANK  
FOR 30-100 PERSON (BRICK)

DETAIL DRAWING

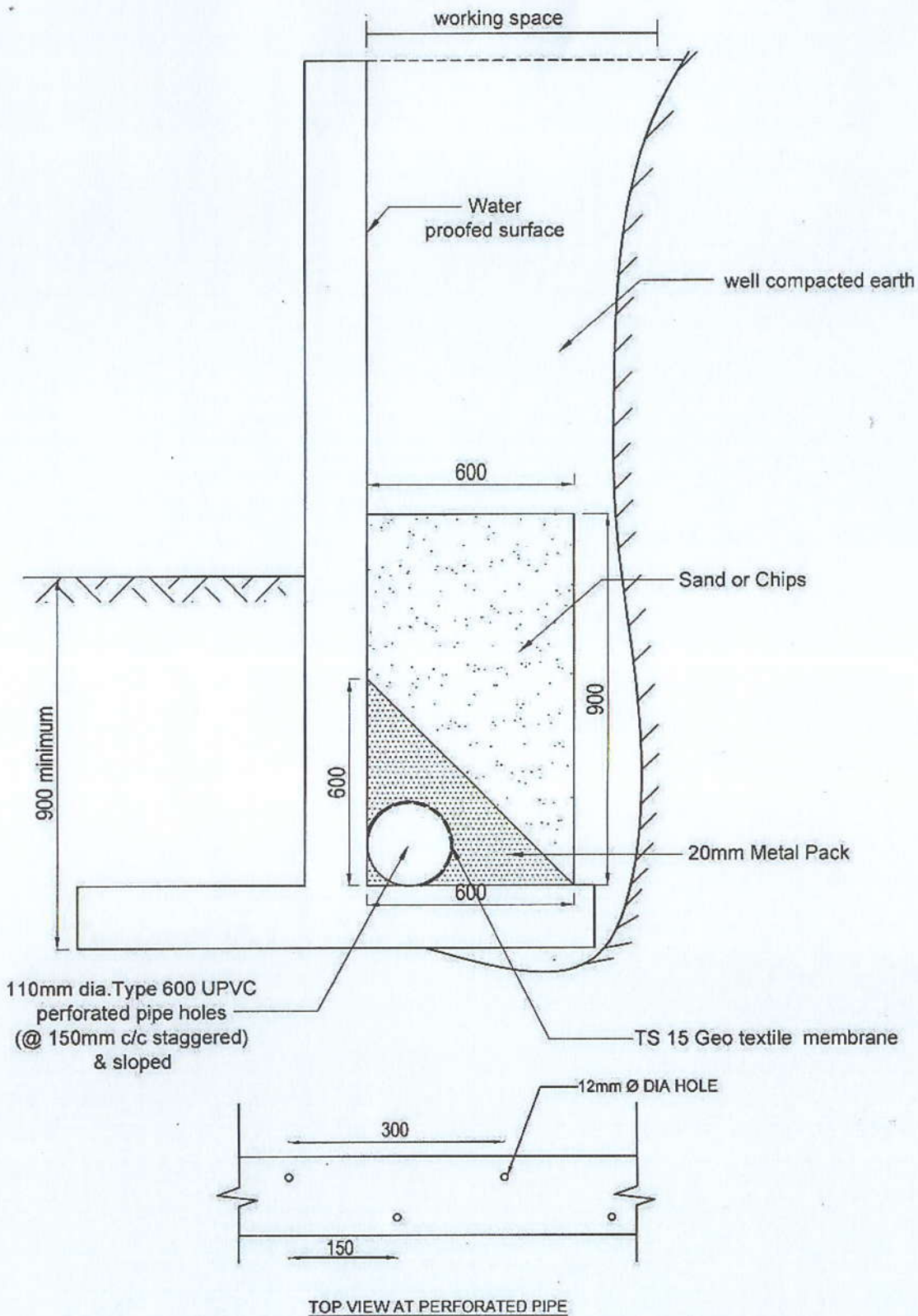
BSR ITEM - W-017 / W-019 / W-021

DRAWN BY - Nilmini	SCALE - 4 FEET TO AN INCH	DRG. NO. - CP/CS/11/04/2018/T/TYPE-SEPT101-01
CHECKED BY - [Signature]		DATE - 31-10-2018

Eng. S.A.S.K. WIJESSEKARA  
Deputy Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Province  
KORRUWITTIYA  
DESIGNER

Eng. R. K.R. [Signature]  
Provincial Director (Engineering Services)  
Department of Engineering Services  
DIRECTOR (ENGINEERING SERVICES)

# PERFORATED PIPES BEHIND RETAINING WALL

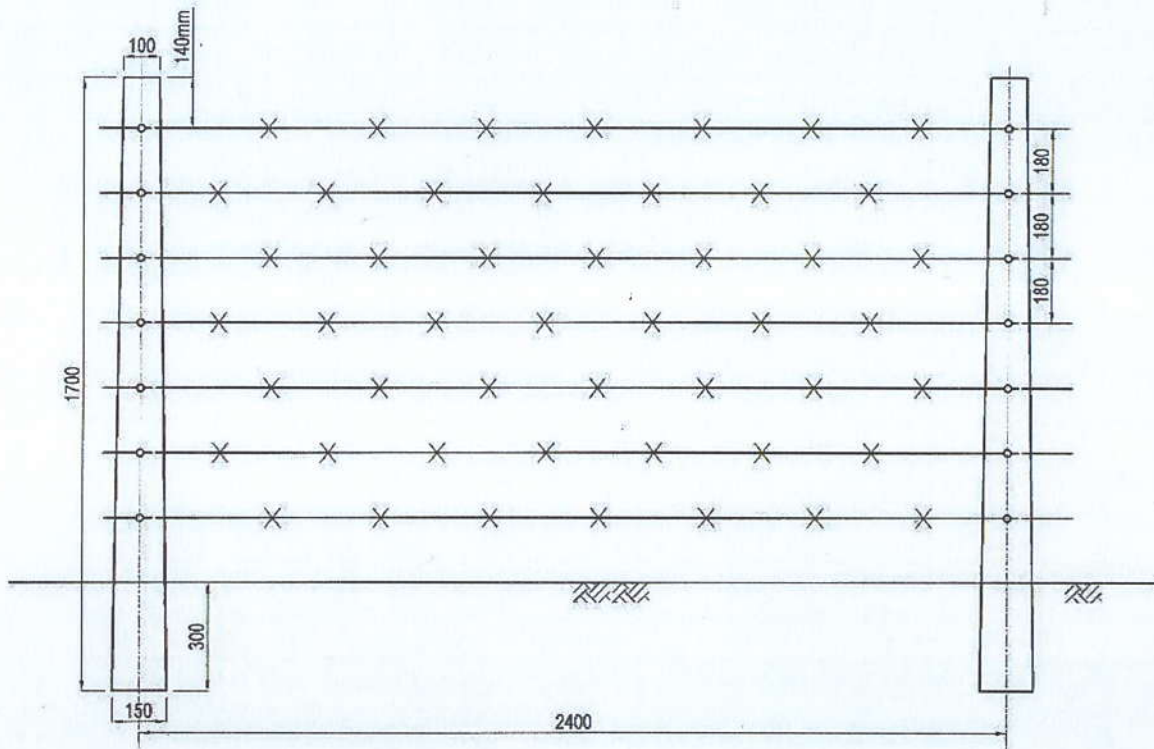


DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN FOR PERFORATED PIPES IN RETAINING WALL  DETAIL DRAWING  BSR ITEM - X-006	DRAWN BY- NISHANI	SCALE- NTS	DRG. NO.-CPC/CS/ 11/ 04 /2017/TYPE-ST/04
		DESIGNED BY- Eng. A.G.SAMARASINGHE	DATE - 01-11-2017	
		CHECKED BY-		
		Eng. S.A.S.K. WIJESEKARA Deputy Provincial Director (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy		Eng. R. K. R. Seneviratne Provincial Director (Engineering Services) Department of Engineering Services Kandy

No. 250/3,  
Mawatha Mawatha

## BARBED WIRE FENCE

**NOTE :** 1.No of Strands = 07  
 2.For detail of Fence Post  
 REFER DRW NO  
 CPC/CS/11 /04/2017/TYPE-ST/10



DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

TYPE PLAN  
FOR  
BARBED WIRE FENCE

DETAIL DRAWING

BSR ITEM- X - 007

DRAWN BY- NISHANI

SCALE- NTS

DRG. NO.-CPC/CS/ 11/ 04 /2017/TYPE-ST/06

DESIGNED BY- Eng. A.G.SAMARASINGHE

DATE - 01-11-2017

CHECKED BY-

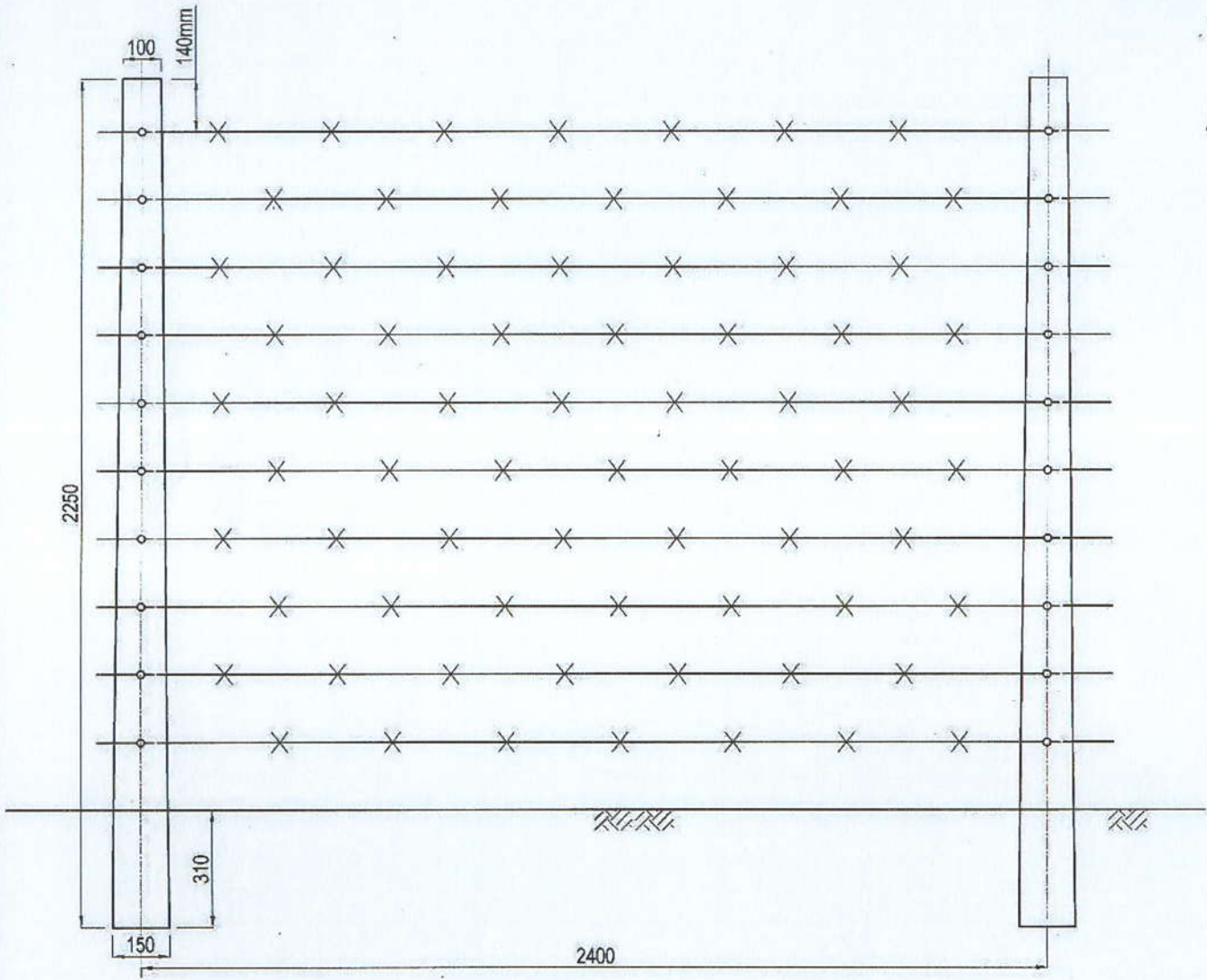
**Eng. S.A.S.K. WIJESEKARA**  
Deputy Provincial Director (Engineering Services)  
Planning  
Department of Engineering Services  
Central Provincial Council  
Kandy.

**Eng. R. K. Seneviratne**  
Provincial Director (Engineering Services)  
Department of Engineering Services  
Kandy.

S.W.R.D. Bandaranayake Maw

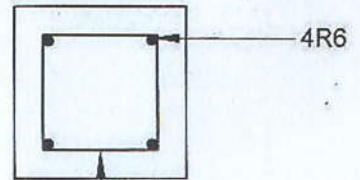
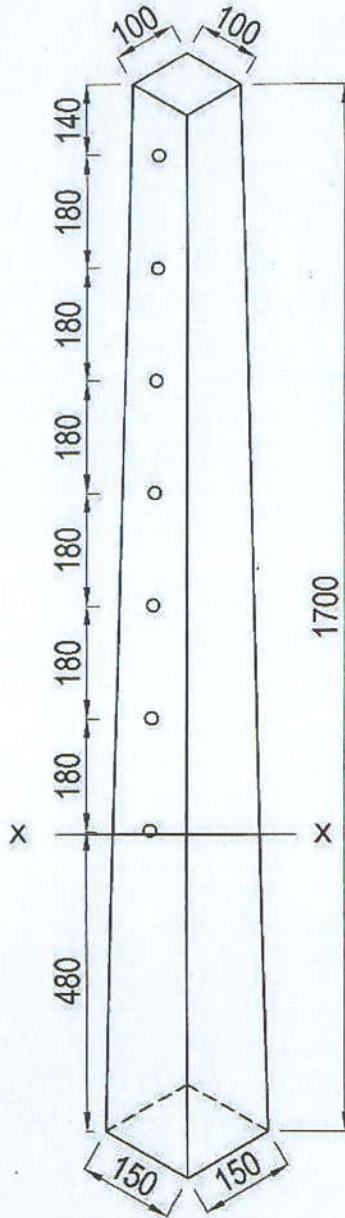
# BARBED WIRE FENCE

**NOTE :** 1.No of Strands = 10  
 2.For detail of Fence Post  
 REFER DRW NO  
 CPC/CS/11 /04/2018/TYPE-ST/11



DEPARTMENT OF ENGINEERING SERVICES CENTRAL PROVINCE, KANDY	TYPE PLAN FOR BARBED WIRE FENCE	DRAWN BY- NISHANI	SCALE- NTS	DRG. NO.-CPC/CS/ 11/ 04 /2018/TYPE-ST/12	
	DETAIL DRAWING	DESIGNED BY- Eng. A.G.SAMARASINGHE	DATE - 10-11-2018		
	BSR ITEM: X-008	Eng. S.A.S.K. WIJESEKARA Deputy Provincial Director (Engineering Services) Planning Department of Engineering Services Central Provincial Council Kandy.	Eng. R. H. S. / S. A. / M. / Provincial Director (Engineering Services) Department of Engineering Services Provincial Council Kandy.	M.R.D. Bandaranayake Kandy.	
					(ENGINEERING SERVICES) 0/3, Kandy.

# CASTING & ERRECTING FENCE POST



14BWG wire stirrups  
at 150mm c/c  
with grade 25 concrete

SECTION X-X

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

TYPE PLAN  
FOR  
CASTING & ERRECTING  
FENCE POST

DETAIL DRAWING

BSR ITEM: X-009

DRAWN BY- NISHANI SCALE-NTS DRG. NO.-CPC/CS/ 11/04 /2017/TYPE-ST/11

DESIGNED BY- Eng. A.G.SAMARASINGHE DATE - 01-11-2017

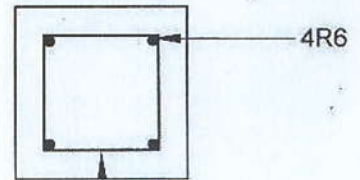
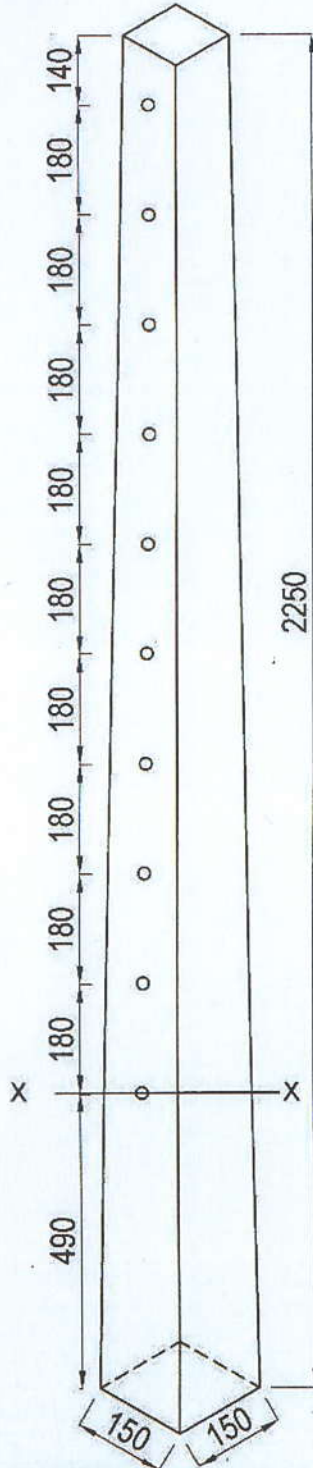
CHECKED BY-

**Eng. S.A.S.K. WIJESEKARA**  
Deputy Provincial Director (Engineering Services)  
Planning  
Department of Engineering Services  
Central Provincial Council  
Kandy.

**Eng. R. K. R. Seneviratne**  
Provincial Director (Engineering Services)  
Department of Engineering Services  
Central Provincial Council  
Kandy.

No. 250/13  
Jayanayake

# CASTING & ERRECTING FENCE POST



14BWG wire stirrups  
at 150mm c/c  
with grade 25 concrete

SECTION X-X

DEPARTMENT OF ENGINEERING SERVICES  
CENTRAL PROVINCE,  
KANDY

TYPE PLAN  
FOR  
CASTING & ERRECTING  
FENCE POST

DETAIL DRAWING

BSR ITEM- X-010

DRAWN BY- NISHANI SCALE-NTS DRG. NO.-CPC/CS/ 11/ 04 /2018/TYPE-ST/11

DESIGNED BY- Eng. A.G.SAMARASINGHE DATE - 10-11-2018

CHECKED BY-

**Eng. S.A.S.K. WIJESKARA**

Deputy Provincial Director (Engineering Services)

Planning

Department of Engineering Services, Provincial Council, Kandy

Provincial Director (Engineering Services)

Department of Engineering Services, Provincial Council, Kandy

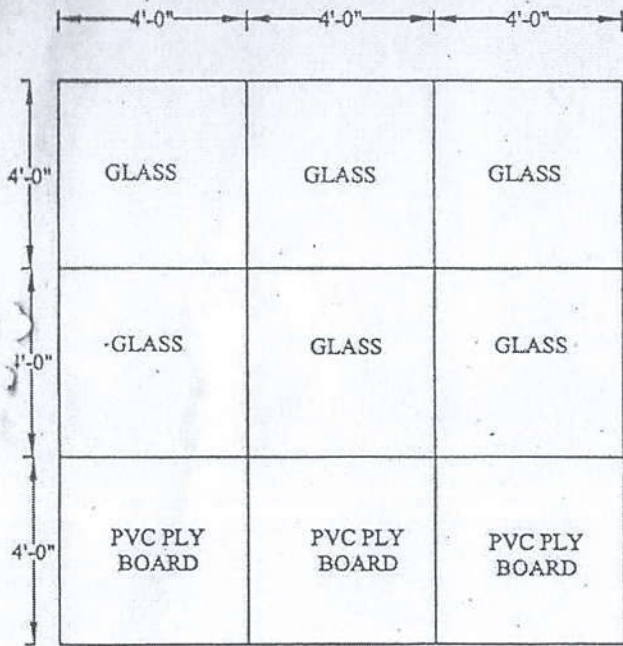
Kandy.

No. 230/3,

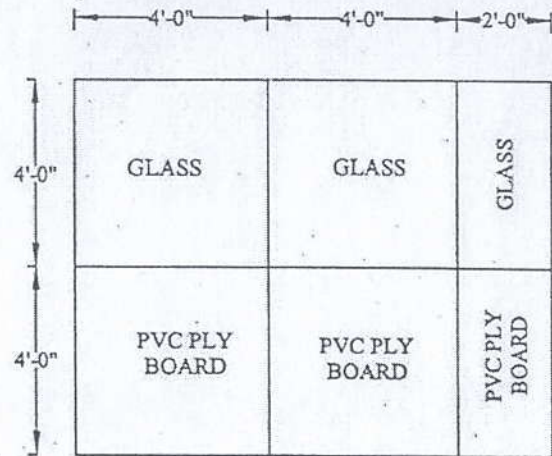
C.M.P.D. Bandaranayake Mawatha

## ALUMINIUM PARTITION DRAWINGS

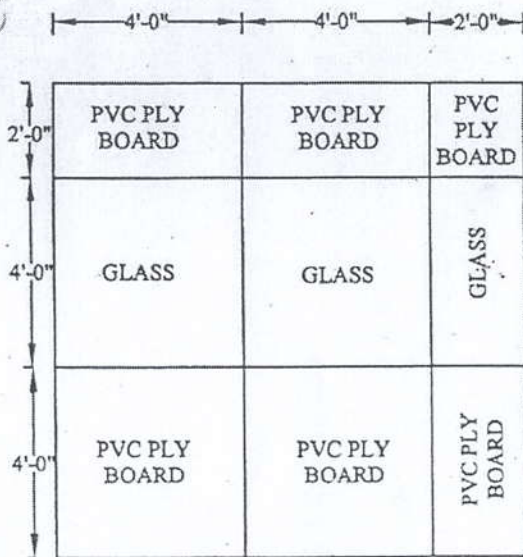
TYPE 01 (Ref N-001, N-005)



TYPE 02 (Ref N-002, N-006)



TYPE 03 (Ref N-003, N-007)



TYPE 04 (N-004, N-008)

