



# POC BOX

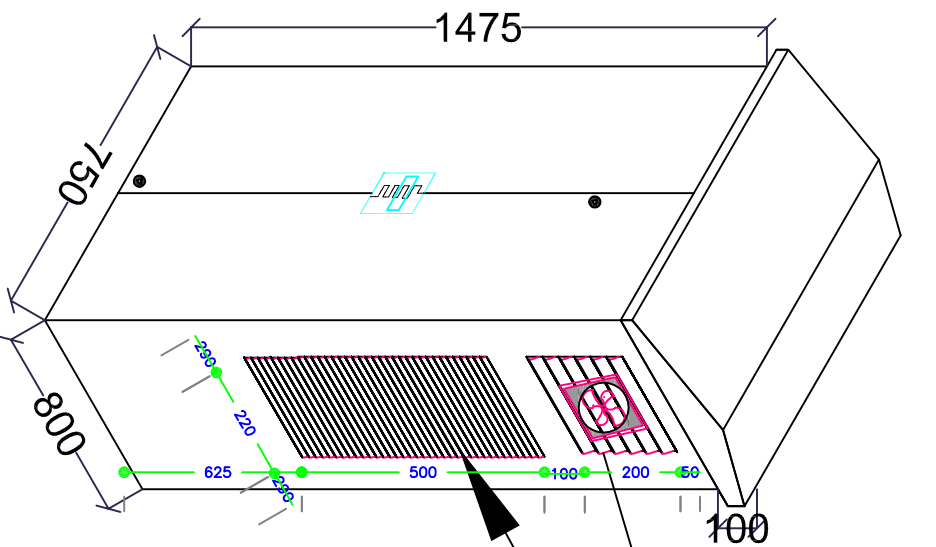
OFC

(Out side fiber cabinet )

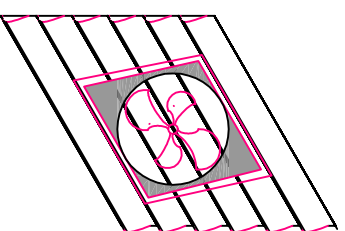
Type – 02

SCL/TECH/POC/414/2017–02

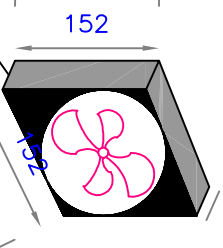
Dated : 14–03–2017



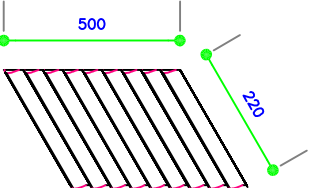
Both side Louver



## Cooling Fan



-12V DC fan



## Lower Details

1. ALL DIMENSIONS ARE IN INCH UNLESS OTHERWISE STATED.

2. Cabinet Size:  
 > Hight-1575mm, Depth-800mm,  
 Width-750mm.

3. Color:  
Off-white, powder coating—standard ASTM  
D7803, D870-15

4. **Gabion Structure & Material:**
  - > Whole three-layer design will be constructed by Galvanized Sheet IS277 with thickness 16SWG. In the wall & roof, reinforcement will be provided so that it gets much strength and as well as it will be water & dust proof
  - > Roof will be safely protected by EPDM where leakage failure is 20MP.
  - > Gabion cover 2 side sheet, front side double door & back side single door.
  - > Separate water proof layer considered for natural air circulation.
  - > Obtaining nature temperature one cooling & one exhaust fan will be including as per design.
  - > There will be kept air filter fitting arrangement and it will be easy way to remove & refitting the filter.
  - > Air filter is considered. Filter grade is G4, Efficiency-95%.



# NETWORK PLANNING ARCHITECTURE AND DESIGN

PROJECT TITLE:

OFC (Out side fiber cabinet )


**DRAWING TITLE:**

OFC (Out side fiber cabinet )

DESIGNED BY :

Afif H Khan

APPROVED BY :  
MD MUHTUR RAHIM

**MID MICHIGAN ROADMA  
—General Manager**

**SCALE :**  
**AS SHOW**

	<b>POLYMER</b>
	<b>DATE MADE</b>

FILE NAME :

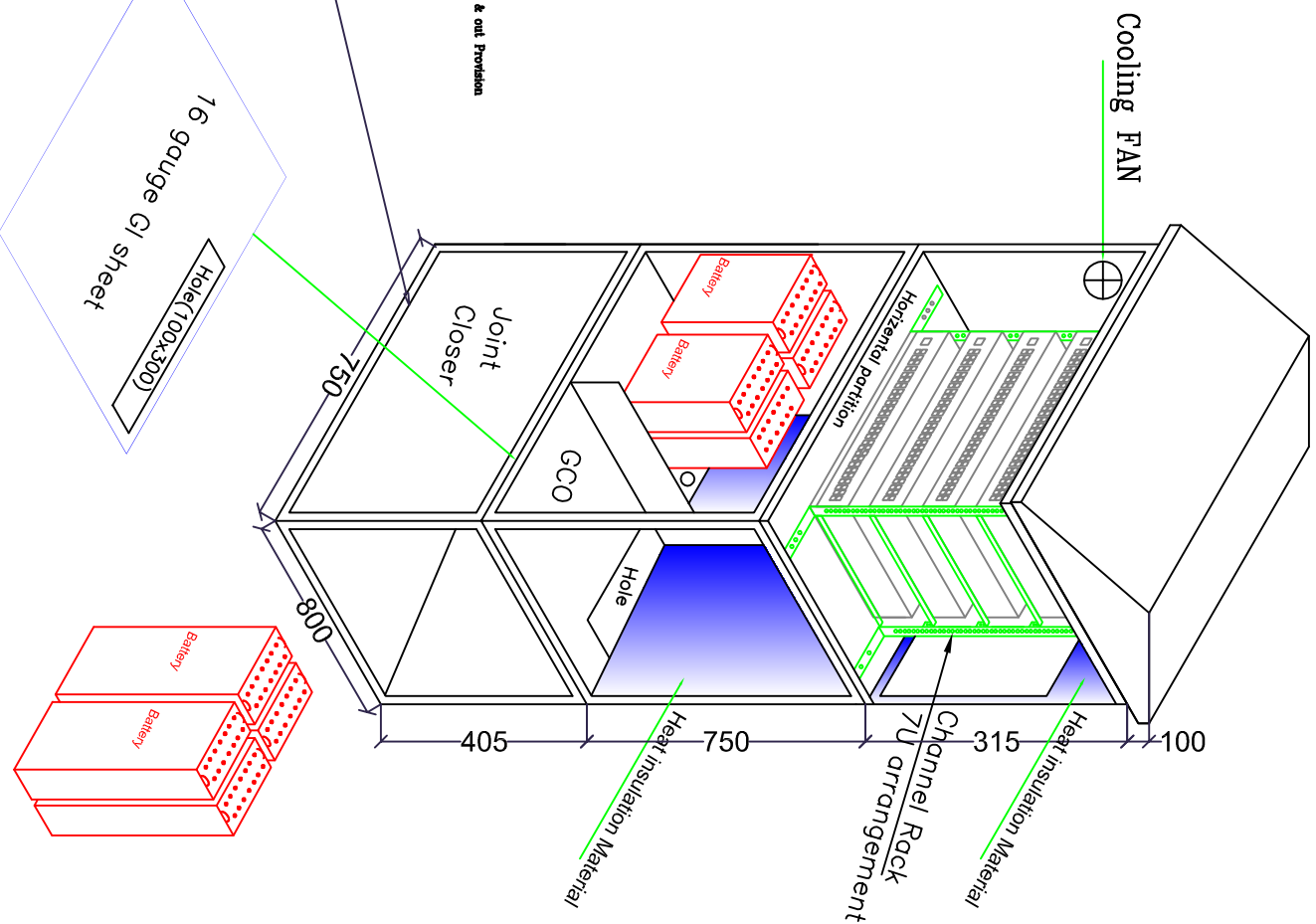
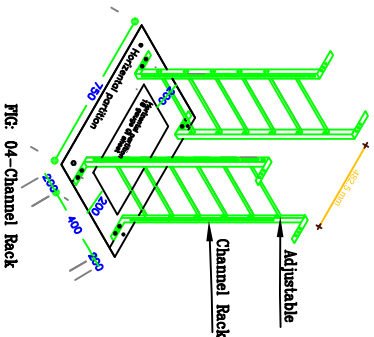
SCL/TECH/POC

**DRAWING NO :**

10

<div style="display: flex; justify-content: space-between;"> <div> <p>             1. <b>Introduction</b>              2. <b>Background</b>              3. <b>Methodology</b>              4. <b>Results</b>              5. <b>Conclusion</b> </p> </div> <div> <p>             6. <b>References</b>              7. <b>Appendix</b>              8. <b>Index</b>              9. <b>Table of Contents</b>              10. <b>Summary</b> </p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div> <p>             1. <b>Introduction</b>              2. <b>Background</b>              3. <b>Methodology</b>              4. <b>Results</b>              5. <b>Conclusion</b> </p> </div> <div> <p>             6. <b>References</b>              7. <b>Appendix</b>              8. <b>Index</b>              9. <b>Table of Contents</b>              10. <b>Summary</b> </p> </div> </div>
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**NOTE :**  
1. ALL DIMENSIONS ARE IN INCH UNLESS OTHERWISE STATED.  
Inside Arrangement:

- > Whole cabinet considered with three-layer design with proper hole arrangement. First layer holds Channel Rack (7U measurement). Second layer consist with single GCO & battery chamber. Third layer will be provisioned for two joint closure.

- > Cabinet bottom part will be connected with base by 4 Anchor threat bolt(16mm) & Nut.

## POC BOX\_Isometric



### NETWORK PLANNING ARCHITECTURE AND DESIGN

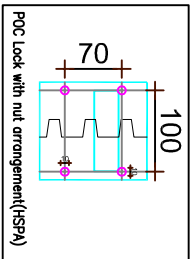
PROJECT TITLE:  
OFC (Out side fiber cabinet )

DRAWING TITLE:	
OFC (Out side fiber cabinet )	

DESIGNED BY :	McEmertoz Hossain
APPROVED BY :	APJal H Khon
APPROVED BY :	APJal H Khon
SCALE :	AS SHOWN
FILE NAME :	SOI/TECH/POC/11/4/2017-01
DRAWING NO :	



Electric box rotating tongue-lock\_ See details



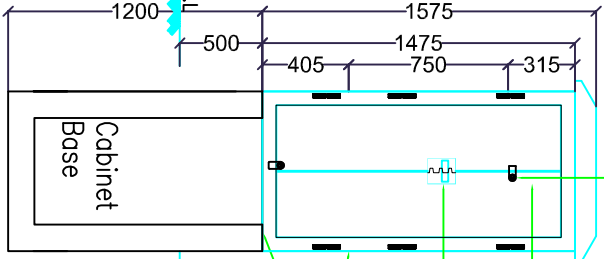
POC Lock with nut arrangement(HSPA)

Front will be two part door arrangement system.

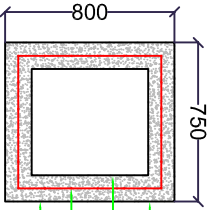
Open & Inbuilt Handle for Double door Locking arrangement(HSPA)\_See details

16 gauge CI Sheet with Powder coating

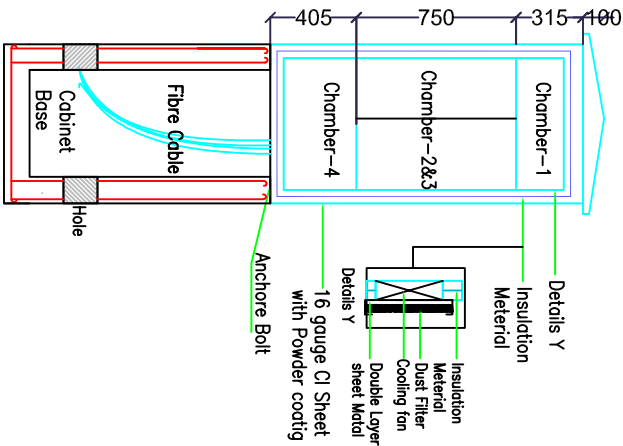
Anchore Bolt



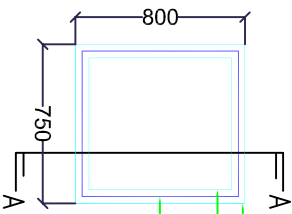
Front View



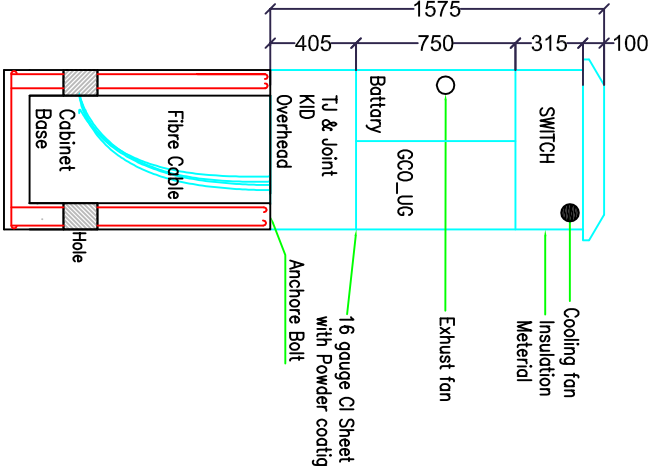
Cabinet base layout plan



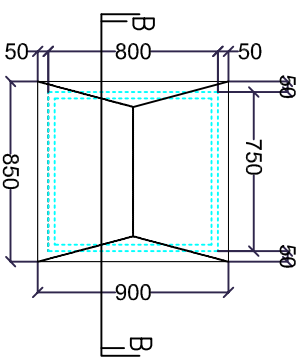
Sectional Elevation of A-A



Layout plan for Middle of cabinet



Sectional Elevation of B-B



Layout plan for Roof of cabinet

NOTE :

1. ALL DIMENSIONS ARE IN INCH UNLESS OTHERWISE STATED.
2. Cabinet Size:
  - > Height-1575mm, Depth-800mm, Width-750mm.
3. Construction of RCC cabinet Base:
  - > Digging of Ground/Asphalt road up to 1200mm deep & size 900mm X 850mm. Construction of RCC basement 800mm X 850mm & 125mm thick (1:2:4). Base wall thickness will be 125mm with both side plastering.
4. Locking Arrangement:
  - > Provisioning HASP locking system there will be standard door lock & handle. Nut diameter will be 10mm & nut to nut distance will be as per diagram.

POC BOX with Base

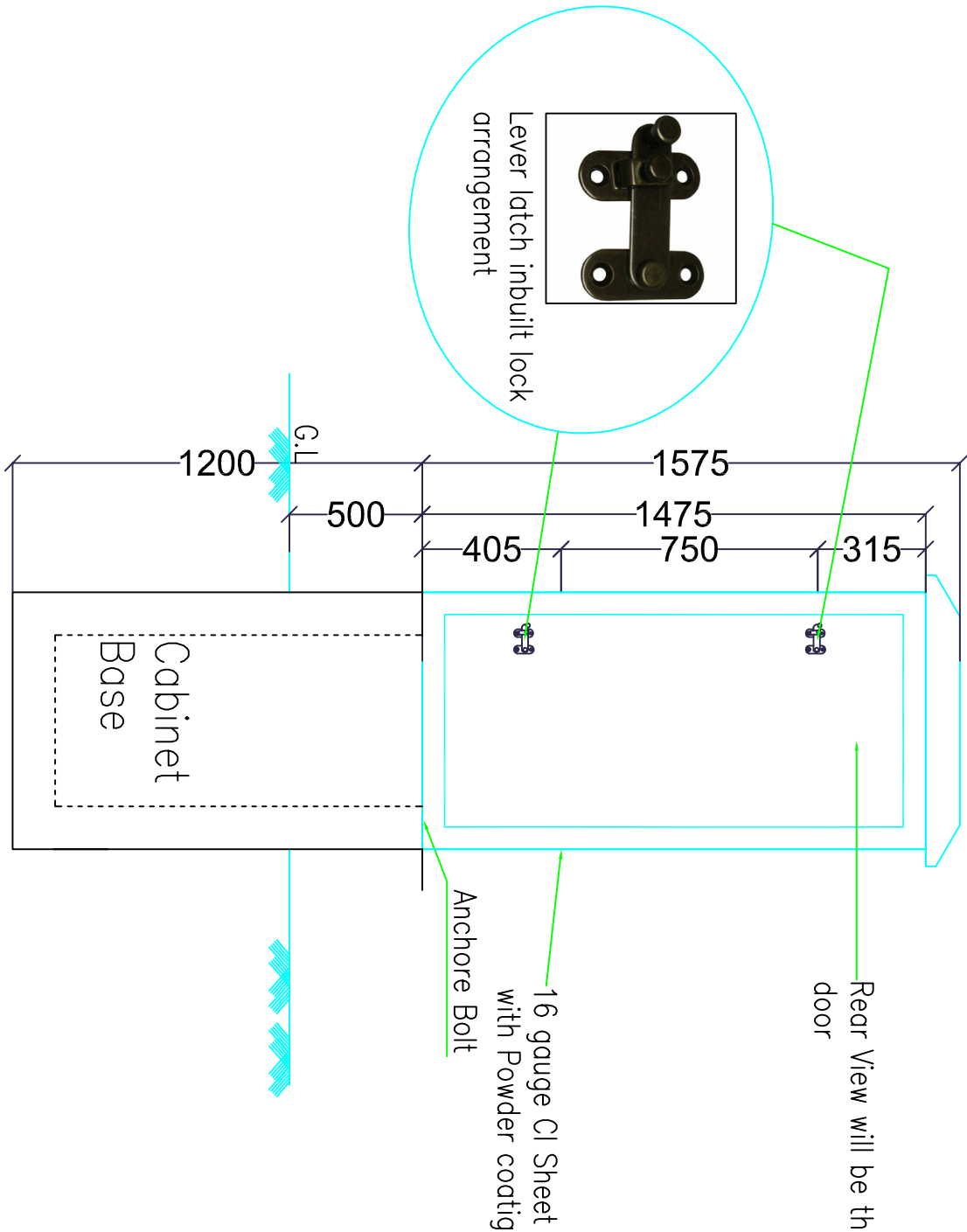


NETWORK PLANNING ARCHITECTURE AND DESIGN

PROJECT TITLE:  
OFC (Out side fiber cabinet )

DRAWING TITLE:	
OFC (Out side fiber cabinet )	
DESIGNED BY :	McEntioz Hossain
APPROVED BY :	PREPARED BY :
APPROVED BY :	APPROVED BY :
SCALE :	DATE :
AS SHOWN	11-1-2017
UNITS :	REV. MARK :
mm	05 A
FILE NAME :	SHEET NO :
SOL/TECH/POC/11/4/2017-01	05
DRAWING NO :	

Cabinet Rear View



- NOTE :**
1. ALL DIMENSIONS ARE IN INCH UNLESS OTHERWISE STATED.
  2. Cabinet Size:
    - > Height-1275mm, Depth-800mm,
    - > Width-750mm.
  3. Color:
    - Off-white, powder coating—standard ASTM D7803, D870-15
  4. Cabinet Structure & Material:
    - > Whole three-layer design will be construct by Galvanized Sheet IS277 with thickness 16SWG.
    - > In the wall & roof, reinforcement will be provided so that it gets much strength and as well as it will be water & dust proof
    - > Edge will be safety protected by EPDM where tensile failure stress 25MPA
    - > Cabinet cover 2 side sheet, front side double door & back side single door.
    - > Separate water proof Louver considered for natural air circulation.
    - > Obtaining natural temperature one cooling & one exhaust fan will be including as per design.
    - > There will be kept air filter fitting arrangement and it will be easy way to remove & refitting the filter.
    - > Air filter is considered. Filter grade is G4, Efficiency-95%.

POC BOX\_Rear view



NETWORK PLANNING ARCHITECTURE AND DESIGN

PROJECT TITLE:  
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DRAWING TITLE:  
OFC (Out side fiber cabinet )

DESIGNED BY : Afjal H Khon	CHECKED BY : Md Emritoz Hossain
APPROVED BY : Md Emritoz Hossain, SMD General Manager, Network Division	PREPARED BY : Afjal H Khon
SCALE : AS SHOWN	UNITS : mm
DATE : 11-1-2017	REV. MARK : A
FILE NAME : SCL/REV/POC/11/4/2017-01	SHEET NO : 03

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|---|---|---|---|---|---|---|---|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
|---|---|---|---|---|---|---|---|----|----|



1	2	3	4	5	6	7	8	10	11
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1	2	3	4	5	6	7	8	10	11
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1	2	3	4	5	6	7	8	10	11
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1	2	3	4	5	6	7	8	10	11
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1	2	3	4	5	6	7	8	10	11
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NOTE :  
This is a demo picture only for  
Construction help.



Picture of POC Side View

Picture of POC Inside  
View

POC BOX



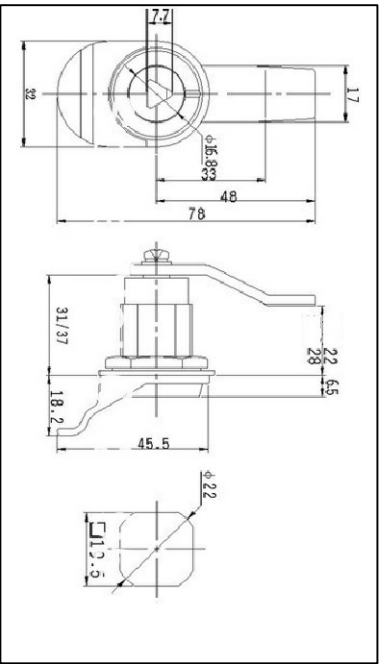
NETWORK PLANNING ARCHITECTURE  
AND DESIGN

PROJECT TITLE:  
OFC (Out side fiber cabinet )


DRAWING TITLE:  
OFC (Out side fiber cabinet )

DESIGNED BY : A/JOI H Khon	CHECKED BY :
APPROVED BY : A/JOI H Khon General Manager, Network Division	PREPARED BY : A/JOI H Khon
SCALE : AS SHOWN	UNITS : mm
DATE : 11-1-2017	
FILE NAME : SCL/TECH/POC/11/4/2017-01	SHEET NO : 07
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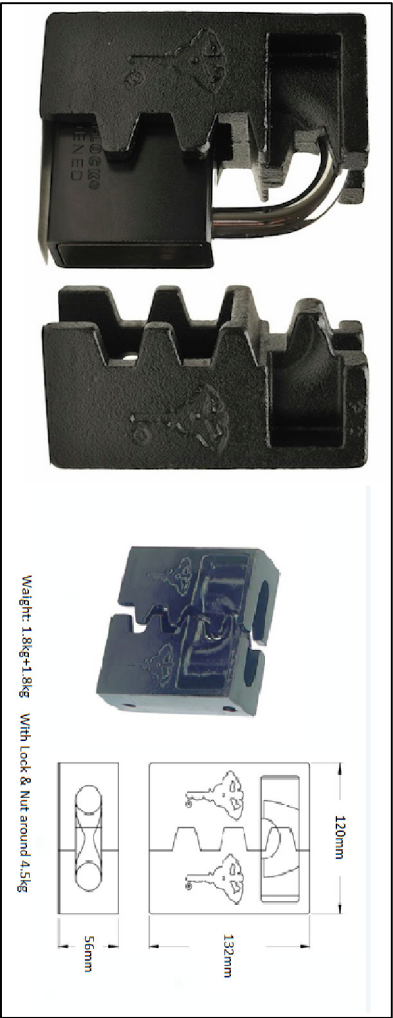
Drawing of Electric box rotating tongue Locking arrangement for Front door



Front view



Rear view



Picture of HASP Locking arrangement for Front door



Picture of lever latch lock arrangement for Rear door

NOTE :

All Security Lock picture including drawing All dimensions are in mm other wise state

Security Lock



NETWORK PLANNING ARCHITECTURE AND DESIGN

PROJECT TITLE:

OFC (Out side fiber cabinet )

DRAWING TITLE:

OFC (Out side fiber cabinet )

DESIGNED BY :

A/JOI H KHON

CHECKED BY :

APPROVED BY :

General Manager, Network Division

PREPARED BY :

A/JOI H KHON

SCALE :

AS SHOWN

UNITS :

mm

DATE :

11-1-2017

FILE NAME :

SOL/TECH/POC/11/4/2017-01

SHEET NO :

08

REV. MARK :

A

DRAWING NO :

10