

United States Department of State
OVERSEAS BUILDINGS OPERATIONS
Washington, D.C.



FACILITIES MANAGEMENT
U.S. EMBASSY
ABU DHABI, U.A.E.

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PROPOSED
STORAGE ROOM AT
CHIEF OF
MISSION RESIDENCE

NOTES.

1.  STRUCTURE TO BE DEMOLISHED
2.  FUTURE INSTALLATIONS

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

Drawing Title

EXISTING LAYOUT

Drawing Scale _____ Phase _____

0/00 Plot Scale _____ 0/0000 0/0000 0/0000 0/0000 0/0000 0/0000 0/0000 0/0000

	Date	AUG 25 2010	Drawing No.
	Drawn By	_____	FM-048
	Checked By	_____	Sheet 1
	Project Number	_____	
Classification UNCLASSIFIED			



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PROPOSED
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NOTES.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNO

- SMOKE DETECTOR
- POWER OUTLET
- SWITCH
- 5kg DRY POWDER FIRE EXTINGUISHER
- ELECTRICAL PANEL

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

CSO : _____

FM : _____

AFM : _____

Release For Construction:

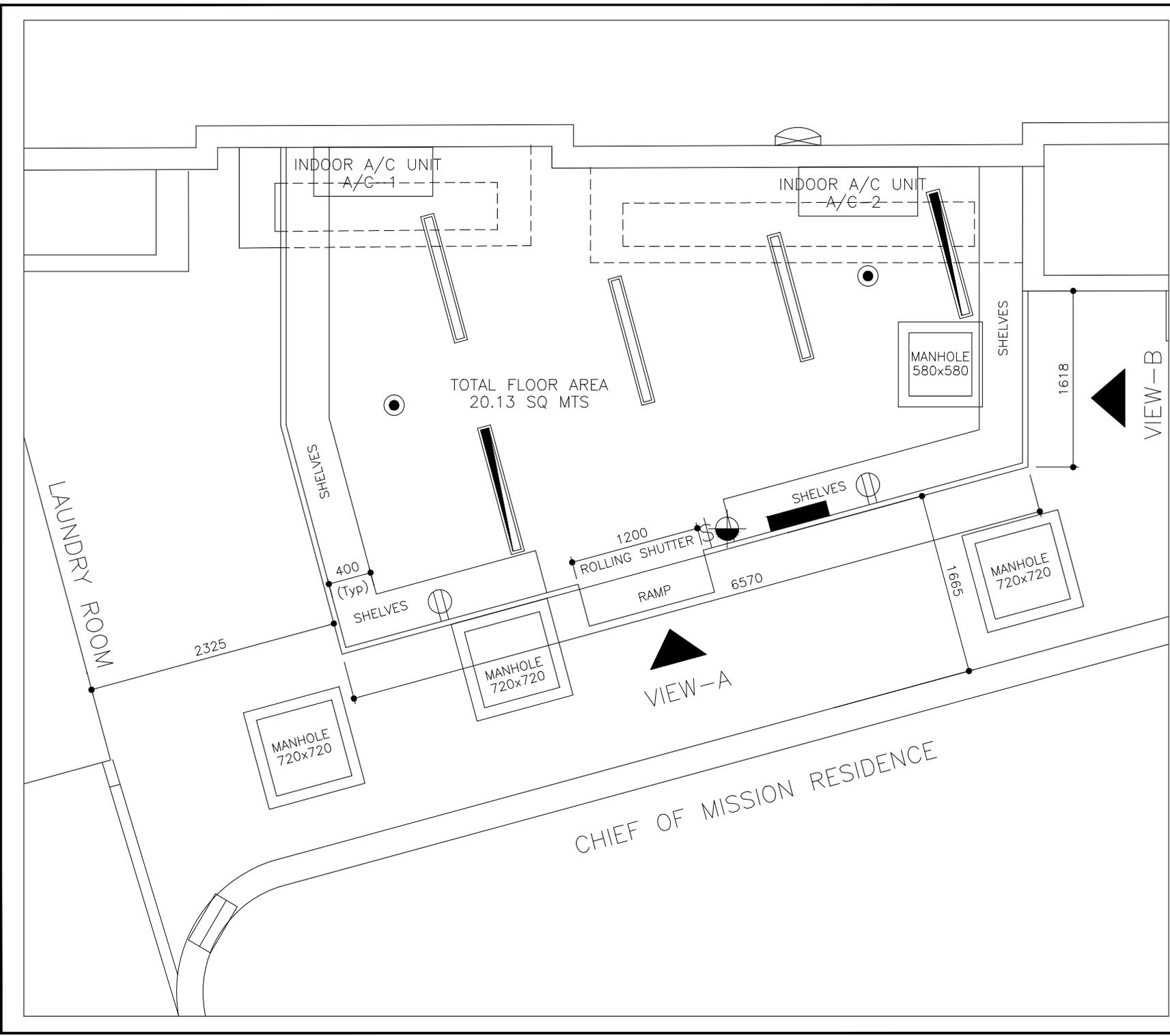
Drawing Title

PROPOSED LAYOUT

Drawing Scale _____ Phase _____

000 Plot Scale _____ 01000 02000 03000 04000 05000 06000 07000 08000 09000 10000

	Date	AUG 25 2010	Drawing No.
	Drawn By	Gerard Goo	FM-048
	Checked By	Christopher Chugh	Sheet 2
	Project Number		
Classification UNCLASSIFIED			

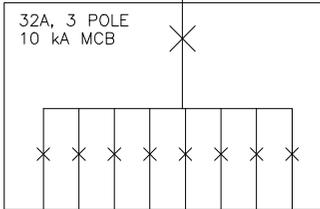


**PANEL 2
AT MAIN ELECTRICAL PANEL**

BR#
1,2,3

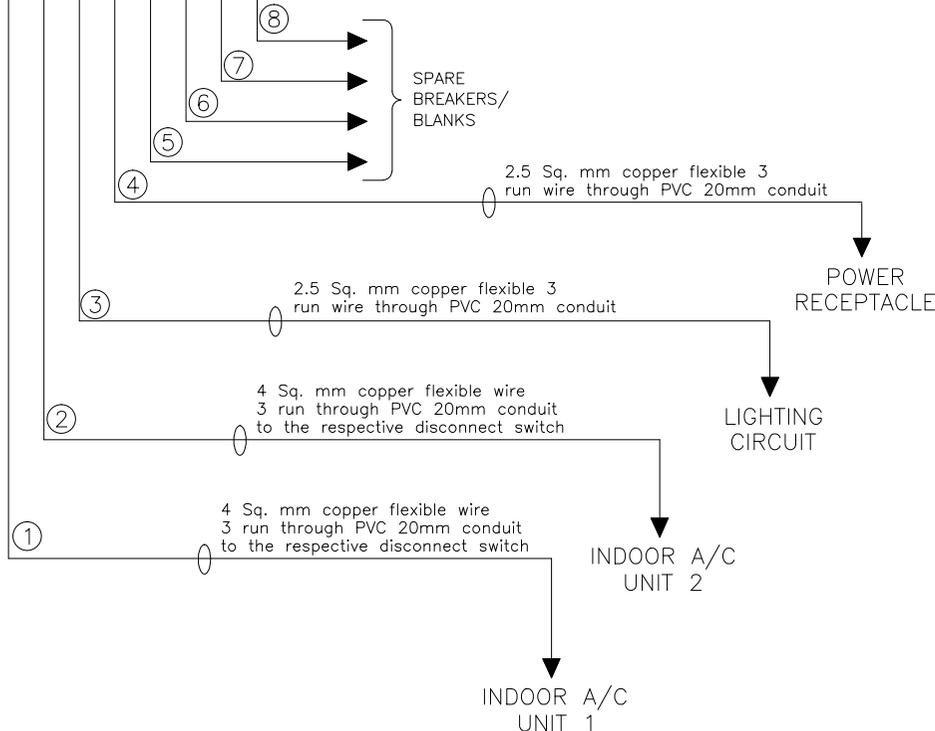
Note: The existing 32 Amps, TPN MCB should be Br# 1,2,3 removed and 63 Amps, TPN MCB to be provided

1100V rated, 4 core armoured copper cable
grounding conductor laid from panel 2 to proposed panel



Panel Specifications

1. Fully enclosed. MEM brand 8 sub-breaker & 1 main incomer panel
2. All the breakers should be 10 kA



SPECIFICATIONS

1. All the breakers/panel should be MEM
2. Breakers should be rated 10 kA
3. Breaker/Out going
 - ① 32A 1Pole, Red 100mA
 - ② 32A, 1Pole, Red 100mA
 - ③ 10A, 1Pole, Red 30mA
 - ④ 16A, 1Pole, Red 30mA
 - ⑤ to ⑧ 16A, 1Pole, MCB/Blank
4. Incoming breaker
32A, TPN, 10kA MCB MEM brand
5. Weather proof isolator to be provided for both indoor A/C units
6. All the tube light fixtures should be electronic ballast controlled, fully enclosed 2x36 watts FRATER brand – for regular light fixtures
7. Cables and wires should be from DUCAB brand
8. Two Nos Emergency light fixtures should be from FRATER brand maintained fixture.



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NOTES.

Rev Number	Description	Date

APPROVED BY:

DCM : _____
MC : _____
RSO : _____
CSO : _____
FM : _____
AFM : _____

Release For Construction:

Drawing Title

SINGLE LINE DIAGRAM

Drawing Scale	Phase

Date AUG 25 2010	Drawing No. FM-048 Sheet 3
Drawn By General Size	Checked By Desmond Chugh
Project Number -	Classification UNCLASSIFIED



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NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNO

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

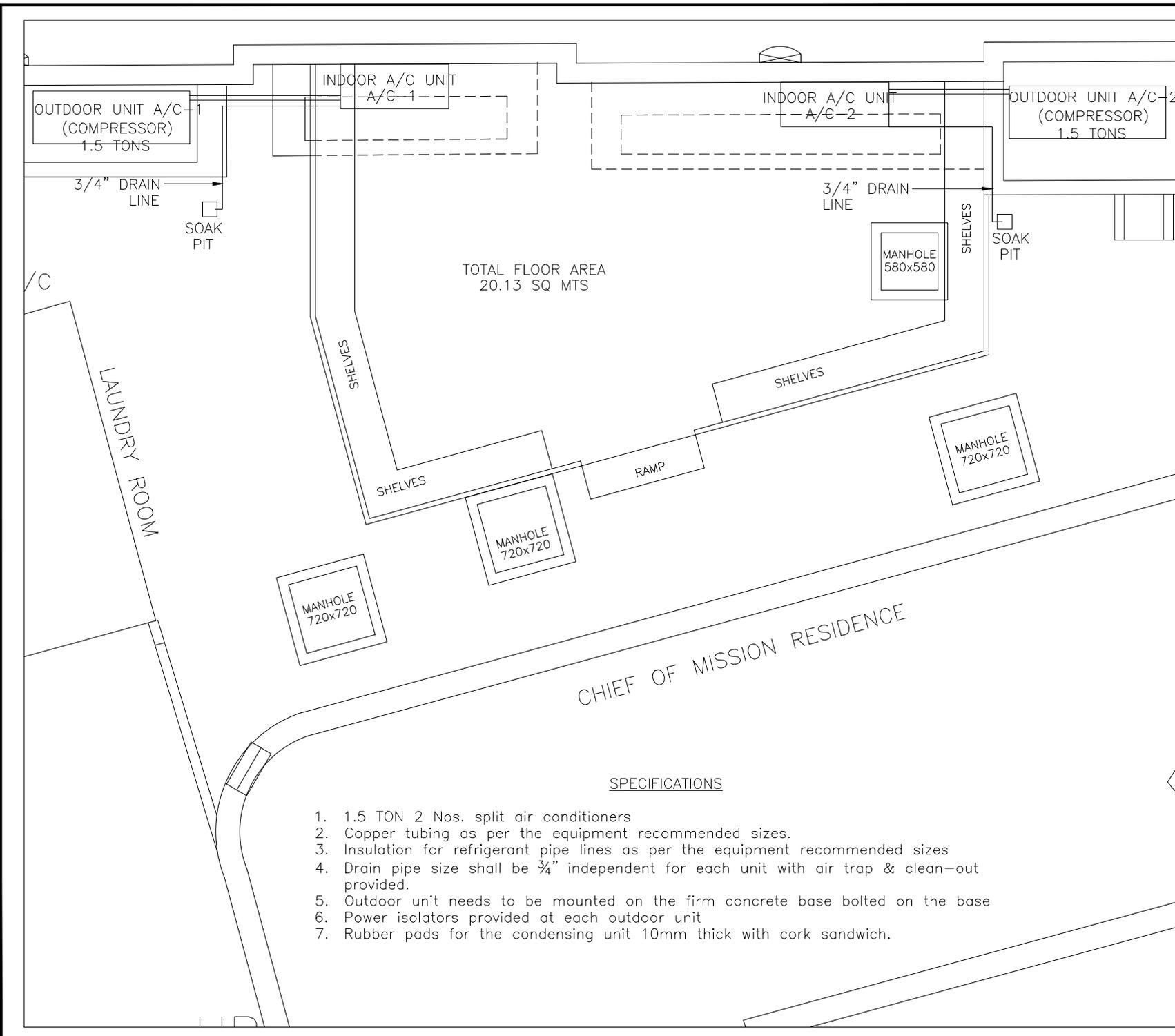
Drawing Title

A/C LAYOUT

Drawing Scale	Phase

GRID Plot Scale

Date	AUG 25 2010	Drawing No.	FM-048
Drawn By	Gerard Goo	Checked By	Christopher Chugh
Project Number		Classification	UNCLASSIFIED



TOTAL FLOOR AREA
20.13 SQ MTS

SPECIFICATIONS

1. 1.5 TON 2 Nos. split air conditioners
2. Copper tubing as per the equipment recommended sizes.
3. Insulation for refrigerant pipe lines as per the equipment recommended sizes
4. Drain pipe size shall be 3/4" independent for each unit with air trap & clean-out provided.
5. Outdoor unit needs to be mounted on the firm concrete base bolted on the base
6. Power isolators provided at each outdoor unit
7. Rubber pads for the condensing unit 10mm thick with cork sandwich.



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NOTES:

1. All dimensions are in millimeters unless otherwise stated
2. Existing structure is for information purpose only.
3. Curb to be around the building except on the boundary wall side.
4. Angles and pipe sizes are given in inches.
5. Exterior paint & coping to match the existing structure.
6. All dimensions are approximate. Fabricator shall take all measurements prior to fabrication

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

Drawing Title
STRUCTURAL LAYOUT

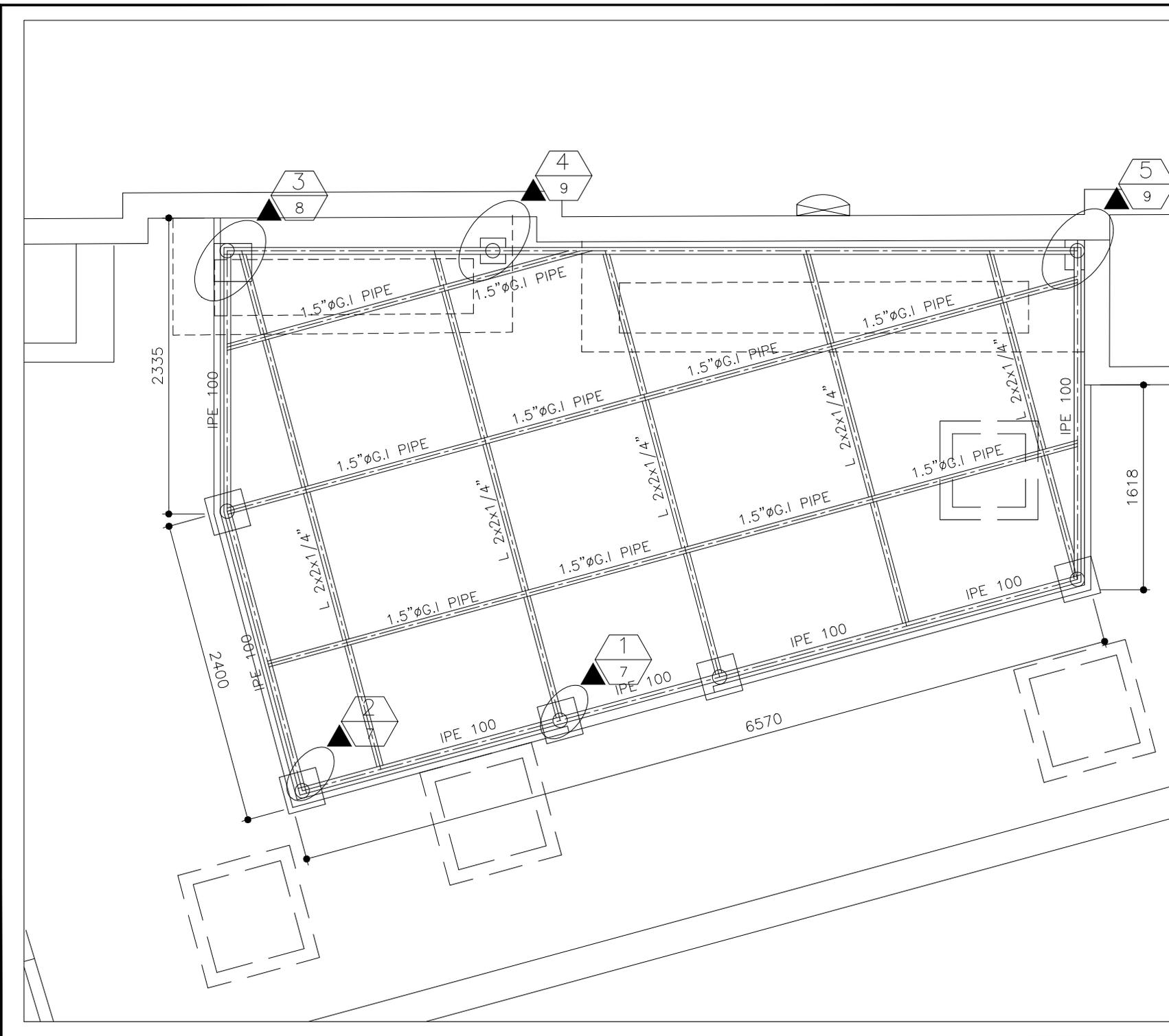
Drawing Scale _____ Phase _____

GRID Plot Scale _____

Date: **AUG 25 2010** Drawing No.: **FM-048 Sheet 5**

Drawn By: _____
Checked By: _____
Project Number: _____

Classification: **UNCLASSIFIED**





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NOTES.

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release for Construction:

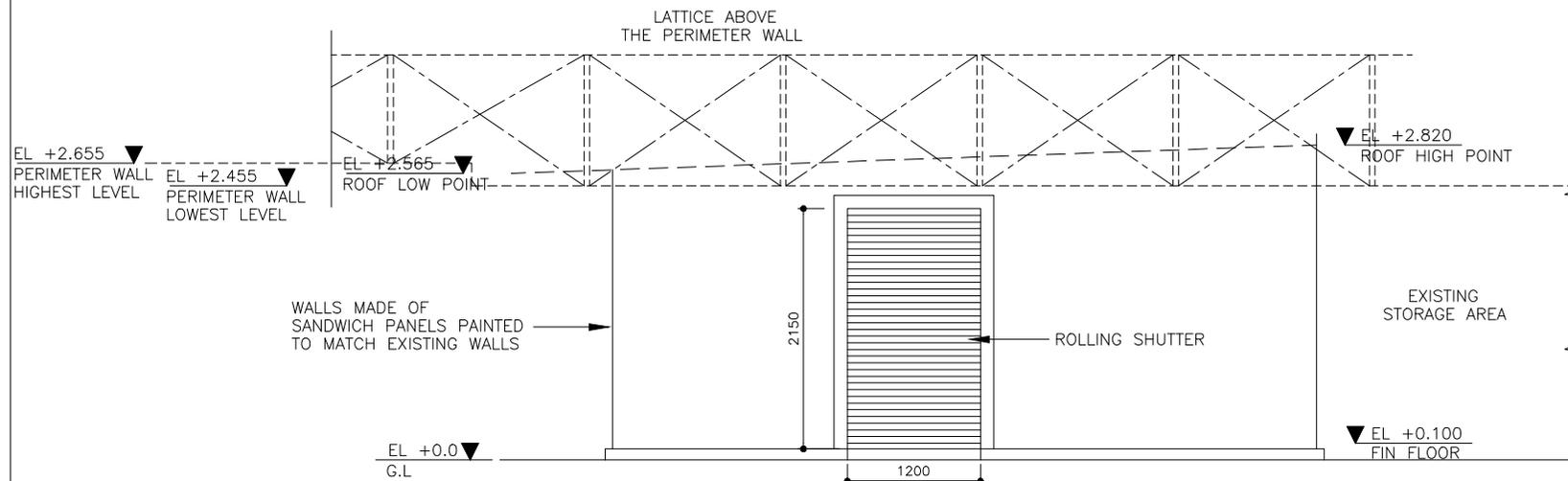
Drawing Title

ELEVATIONS

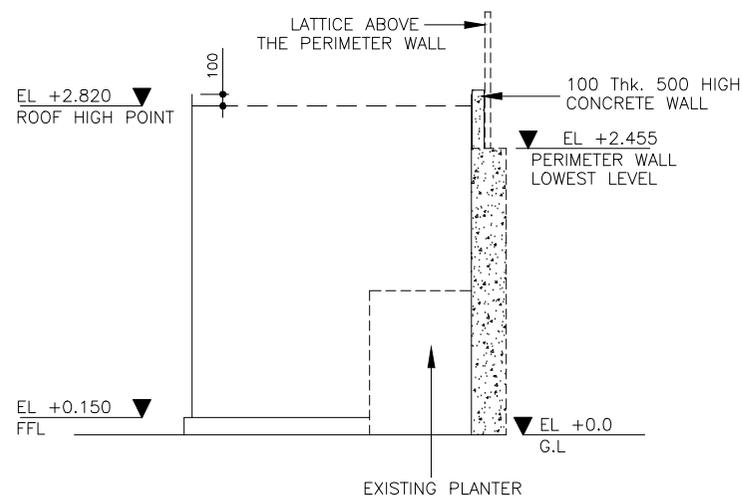
Drawing Scale _____ Phase _____

000 Plot Scale _____

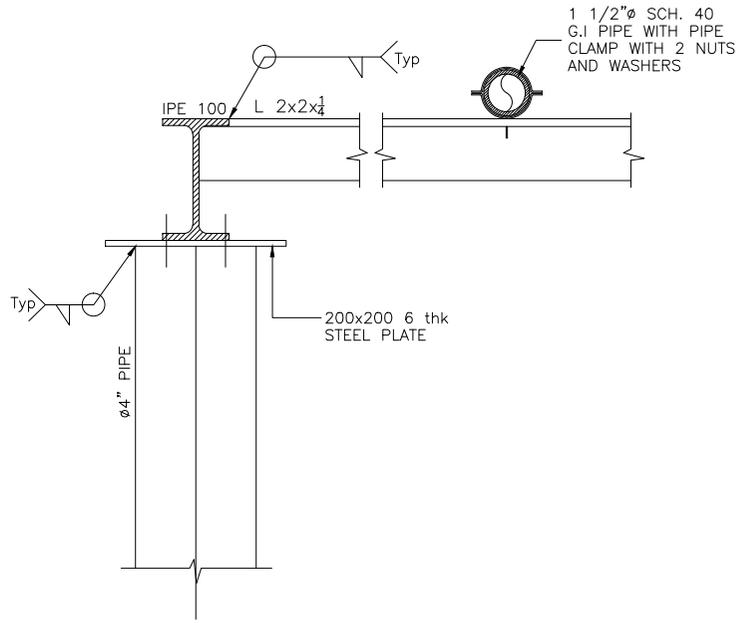
	Date AUG 25 2010	Drawing No.
	Drawn By General Gao	FM-048
	Checked By Christopher Chugh	Sheet 6
	Project Number -	Classification UNCLASSIFIED



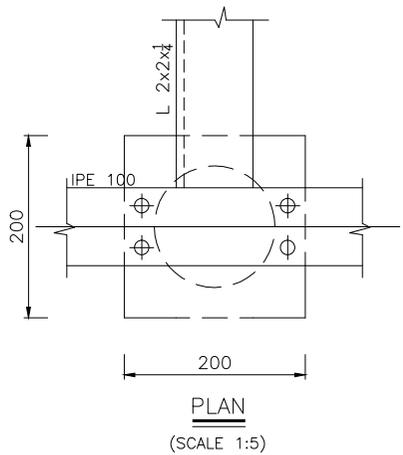
VIEW - A



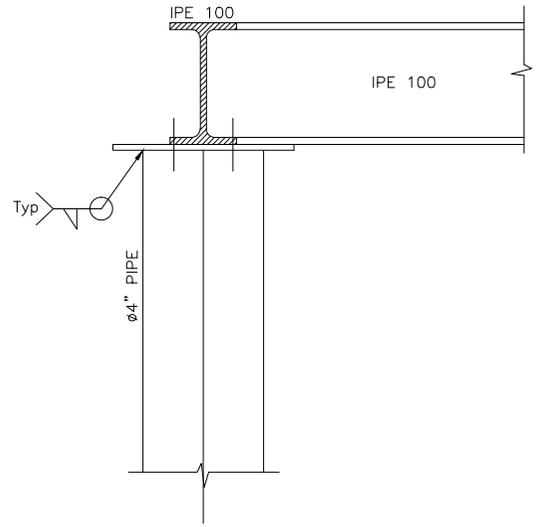
VIEW - B



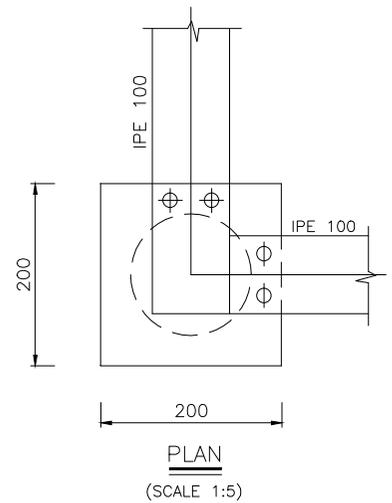
1
5
DETAIL
(SCALE 1:5)



PLAN
(SCALE 1:5)
CONNECTION DETAIL AT LOCATION 1



2
5
DETAIL
(SCALE 1:5)



PLAN
(SCALE 1:5)
CONNECTION DETAIL AT LOCATION 2



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NOTES.

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

Drawing Title

DETAILS -1

Drawing Scale _____ Phase _____

COORD Plot Scale _____



Date: AUG 25 2010
Drawing No.: FM-048 Sheet 7

Classification UNCLASSIFIED



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RSO : _____

GSO : _____

FM : _____

AFM : _____

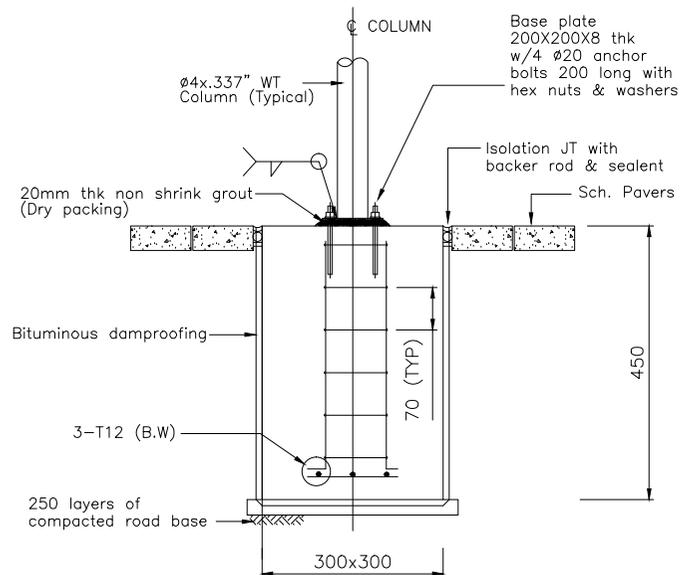
Release For Construction:

Drawing Title

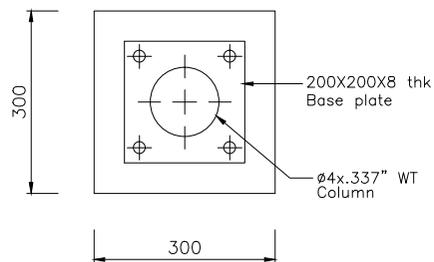
DETAILS -2

Drawing Scale	Phase

	Date AUG 25 2010 Drawn By Gerald Goss Checked By Dexter Chugh Project Number Classification UNCLASSIFIED	Drawing No. FM-048 Sheet 8
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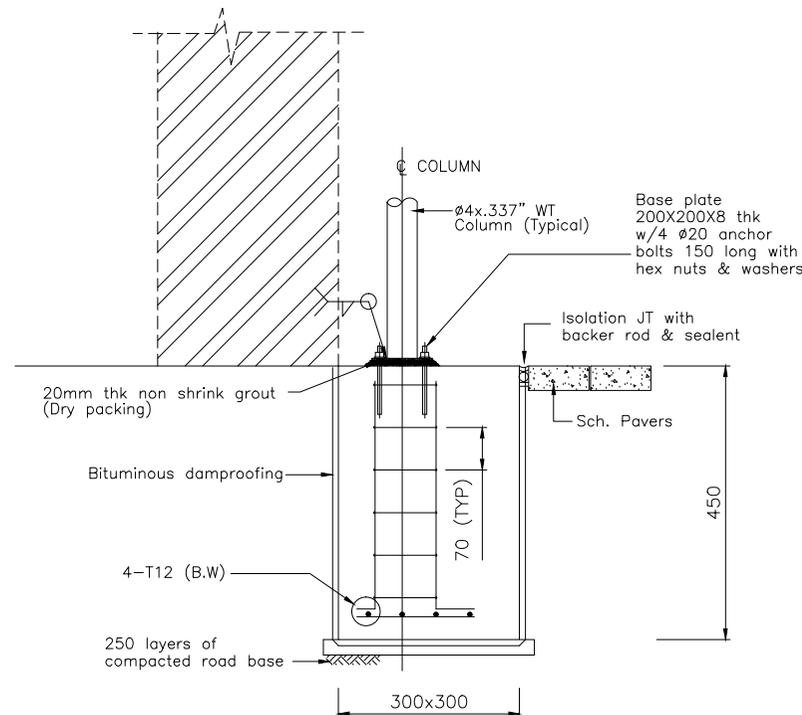


SECTIONAL ELEVATION

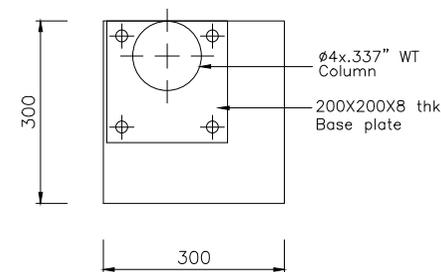


PLAN
5 Locations
(SCALE 1:10)

TYPICAL FOOTING DETAIL



SECTIONAL ELEVATION



PLAN
1 Location
(SCALE 1:10)

FOOTING DETAIL AT LOCATION 3



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NOTES:

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

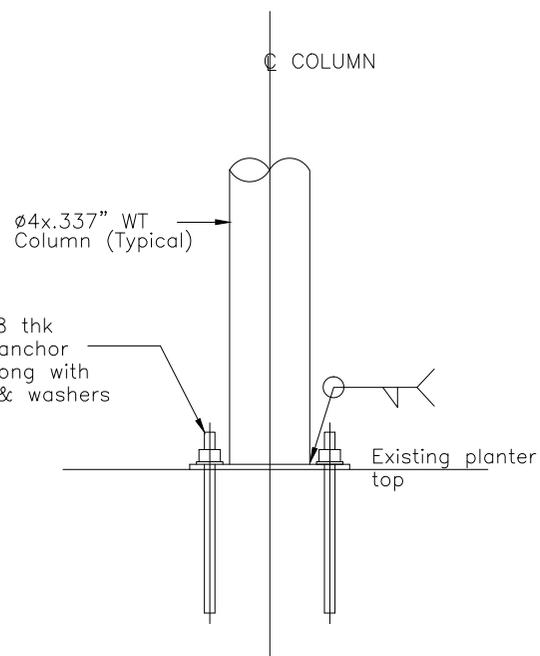
Drawing Title

DETAILS-3

Drawing Scale _____ Phase _____

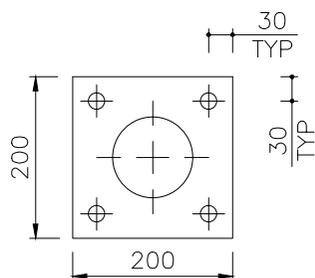
000 Plot Scale _____ 0 10000 20000 30000 40000 50000 60000 70000 80000 90000 100000

	Date AUG 25 2010	Drawing No. FM-048 Sheet 9
	Drawn By Gerald Goss	
	Checked By Dexter Gough	
	Project Number -	
Classification UNCLASSIFIED		



SECTIONAL ELEVATION

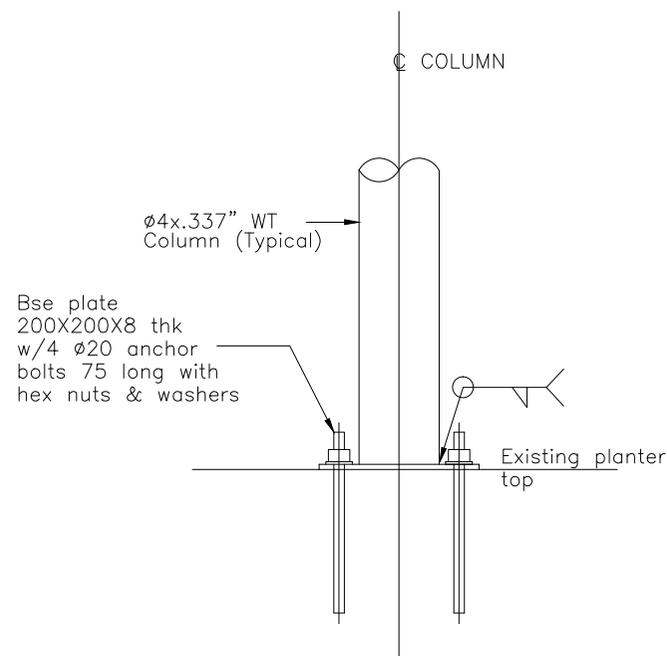
(SCALE 1:10)



PLAN

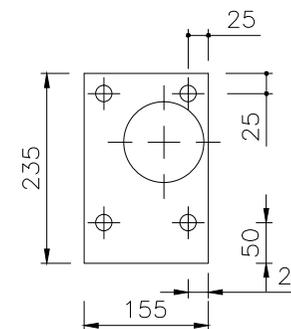
1 Location
(SCALE 1:10)

BASE PLATE DET AT LOCATION-4



SECTIONAL ELEVATION

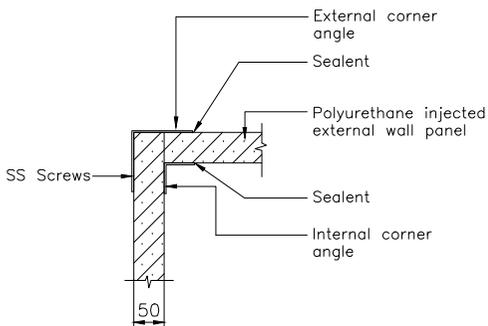
(SCALE 1:10)



PLAN

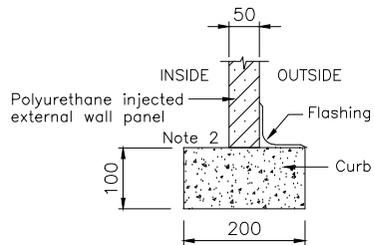
1 Location
(SCALE 1:10)

BASE PLATE DET AT LOCATION-5



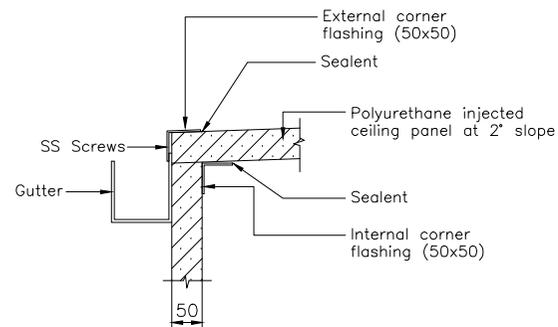
WALL PANEL CORNER DET.

(SCALE 1:10)



FLOOR CONNECTION DET.

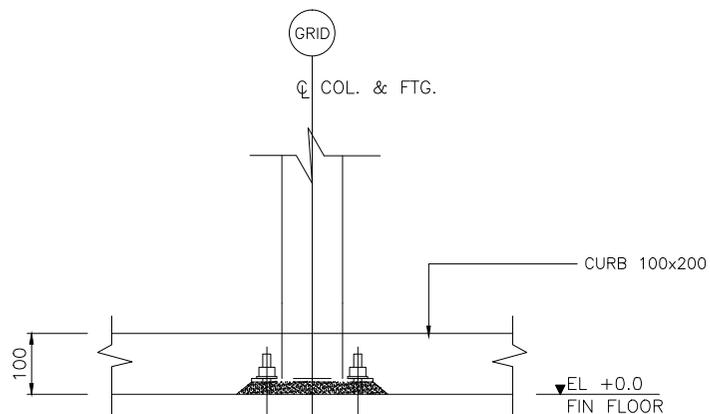
(SCALE 1:10)



WALL & ROOF PANEL CONNEC. DET.

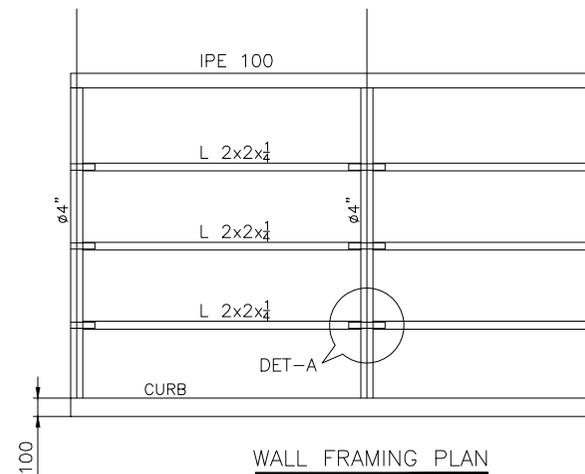
AT LAUNDRY ROOM END

(SCALE 1:10)



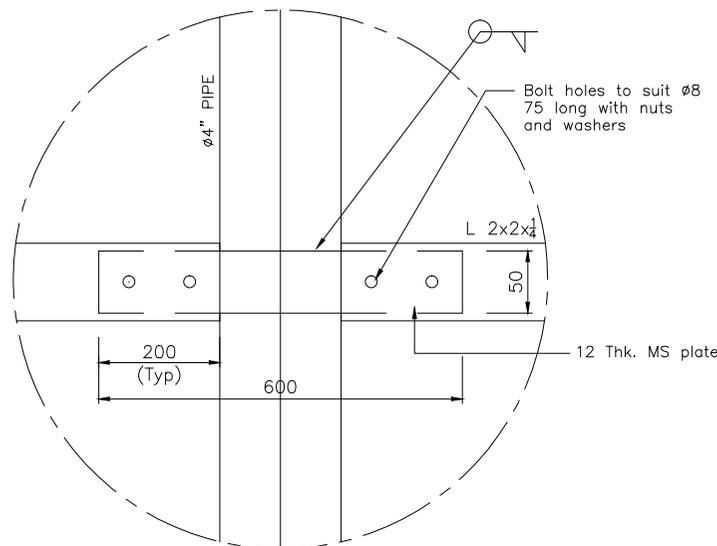
CURB DETAIL

(SCALE 1:10)



WALL FRAMING PLAN

(SCALE 1:50)



DETAIL - A

(SCALE 1:5)



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NOTES.

- For notes refer sheet 5
- The sandwich panels to rest on top of the curb.

Rev Number	Description	Date

APPROVED BY:

DCM : _____

MC : _____

RSO : _____

GSO : _____

FM : _____

AFM : _____

Release For Construction:

Drawing Title

DETAILS-4

Drawing Scale _____ Phase _____

GRID Plot Scale _____

Date: AUG 25 2010
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Classification: UNCLASSIFIED

FM-048
Sheet 10