

*CONSTRUCTION OF
38,048
MODULAR PRE
FABRICATED KITCHEN
SHEDS IN THE STATE OF
MAHARASHTRA.*

CLIENT - DIRECTORATE OF PRIMARY EDUCATION MAHARASHTRA STATE, PUNE



Project Management Consultant :

Wadia Techno Engineering Services Ltd.,

Head office:
Wing "A", Raheja Point I, Pt. Jawaharlal
Nehru Road, Vakola, Santacruz(E).
Mumbai 400 055.

Regional office:
Block No. 11, 19 & 20, B-1,
Guru Ganesh Commercial Complex, Guru
Ganeshnagar,
Kothrud, PUNE- 411 038

Project Brief

- Government of India has launched “***Sarva Shiksha Abhiyan***” . Implementation is commenced in the year 2004 for the benefits of students taking primary education.
- Mid day Meal is one of the important aspect of the “***Sarva Shiksha Abhiyan***”
- Food for Mid Day Meal scheme was mostly cooked outside the school premises due to which quality assurance was consistent issue.
- To overcome with this Government of India has decided to provide Kitchen sheds to all eligible primary schools.

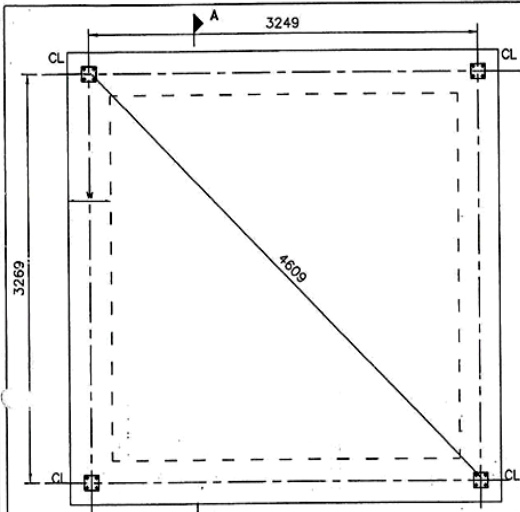
- Central Govt. has approved for 38048 kitchen sheds at RS.60,000/- per number
- Government of Maharashtra has received Rs. 228,28,80,000/- funds for construction of Kitchen Sheds in the year 2008-2009 Under Mid Day Meal Scheme.
- Government of Maharashtra decided to construct Pre-fabricated Moduker Kitchen Sheds of 120 sqft area to eligible primary schools.
- The Government of Maharashtra has entrusted work of providing Kitchen Sheds all over Maharashtra State to Directorate of Primary Education (DPEMS).
- The work is being implemented through Project Management Consultant.

Salient Features of Project

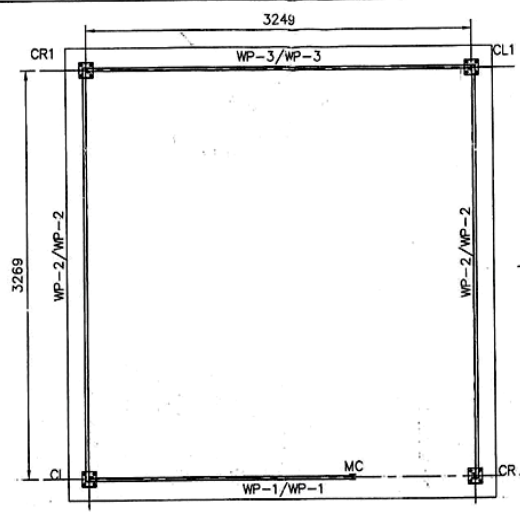
- Size of Kitchen shed 3.30 mtr. X 3.30 mtr.
- Plinth Construction in BB / CC Block / UCR Masonry.
- Pedestal blocks in M20 grade concrete for foundation of post.
- Posts & roof trusses fabricated from rolled steel section.
- Flooring with M15 Plain Cement Concrete.
- 35 mm thick Sandwich panel - walls with aluminum sheet on either side & insulated with Poly Urethane Foam.
- Profiled color coated Roof sheets.
- MS Door frame and Sandwich PUF panel door shutter.
- Provision of Ventilation from all four sides.
- Provision of One light point & one plug point.

- The actual construction of a pre-fabricated kitchen shed on site requires maximum 5 days for complete the kitchen shed.
- As time require for a kitchen shed is less comparing to time required for regular RCC or any conventional method, and costing is less as compared to any other structure.
- This modular pre-fabricated kitchen shed having wall panels & door shutter is fire proof material & remaining is of structural members.
- The kitchen shed structure having durability of 25 years & is a decent structure.

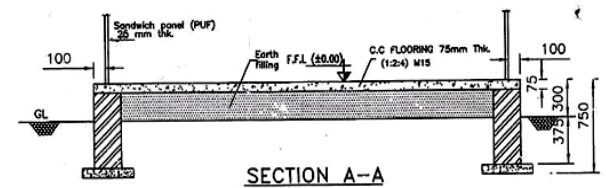
APPROVED DRAWINGS



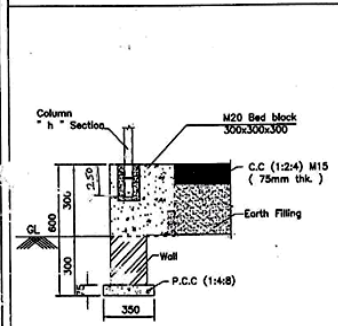
FOUNDATION PLAN



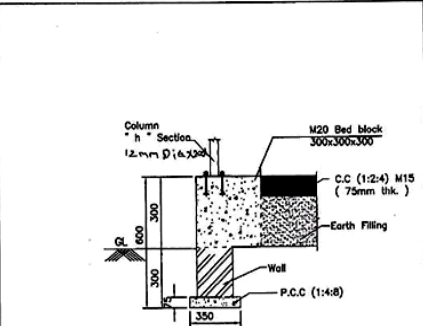
PLINTH LEVEL



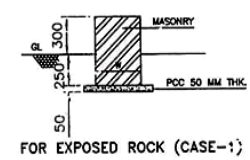
SECTION A-A



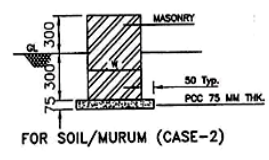
**Typical Column Details
Option-1**



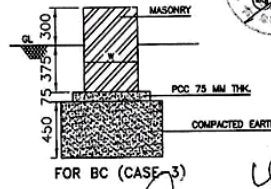
**Typical Column Details
Option-2**



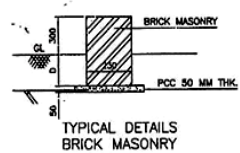
FOR EXPOSED ROCK (CASE-1)



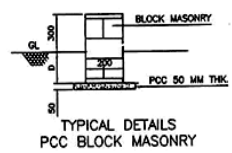
FOR SOIL/MURUM (CASE-2)



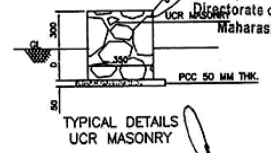
FOR BC (CASE-3)



**TYPICAL DETAILS
BRICK MASONRY**



**TYPICAL DETAILS
PCC BLOCK MASONRY**



**TYPICAL DETAILS
UCR MASONRY**

D = DEPTH AS PER SOIL CONDITION AS ABOVE

SINTEX
ACTIVE THINKING
SINTEX INDUSTRIES LTD.
PREFAB DIVISION, KALOL (N. Guj.)

THIS DRAWING IS THE PROPERTY OF SINTEX INDUSTRIES LTD. AND SHOULD NOT BE COPIED OR USED WITHOUT FROM SINTEX INDUSTRIES LTD.

CUSTOMER NAME--
S.S.A - MAHARASHTRA

SCALE--
NTS

TOLERANCE--
± 5 mm

DRAWING TITLE--
Layout of Foundation Details

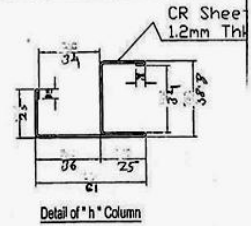
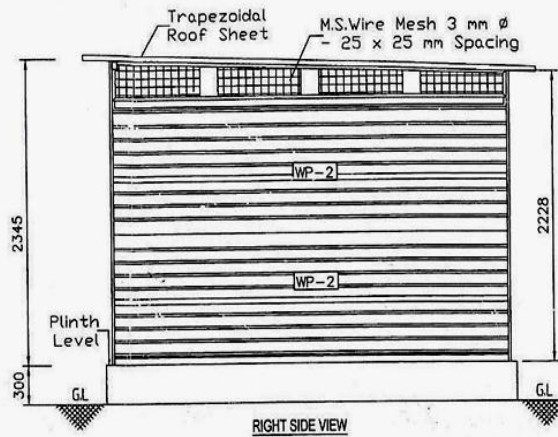
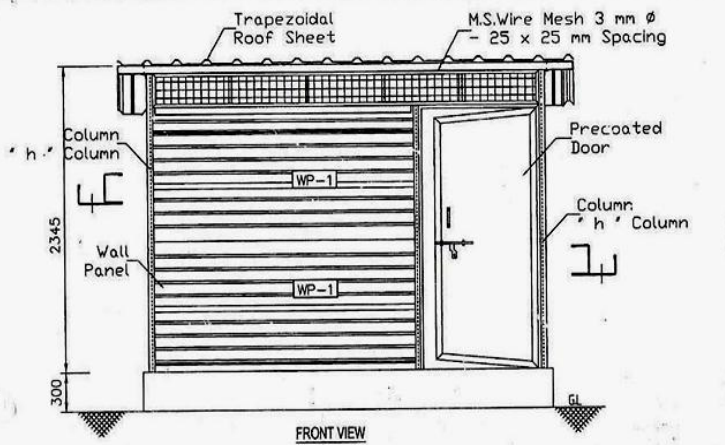
PREFAB SIZE--
3.3 x 3.3 x 2.3 / 2.2 Mtr.

DRN BY	Nayan Solanki	04 - 20	DRAWING NO.-	2 SSA / APR - 12 / 802 - 18 - R
CHKD BY	S.G.Gandevkar	04 - 20	IVG CLASS-	D / 2012 / Project / Insu & P 2 Insulated S.S.A - MAHARASHTRA
APPD BY	P. Khandekar	04 - 20	UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.	

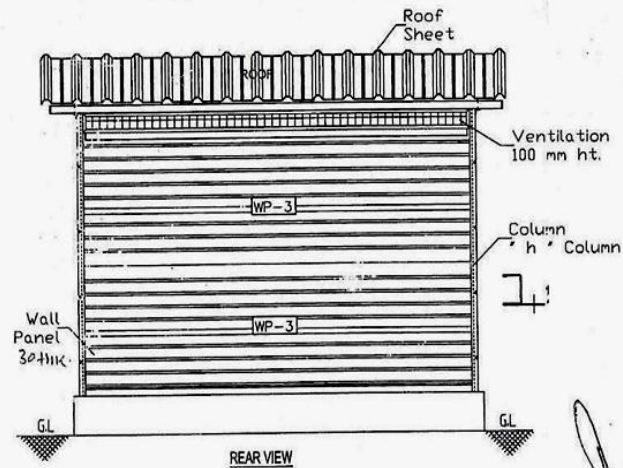
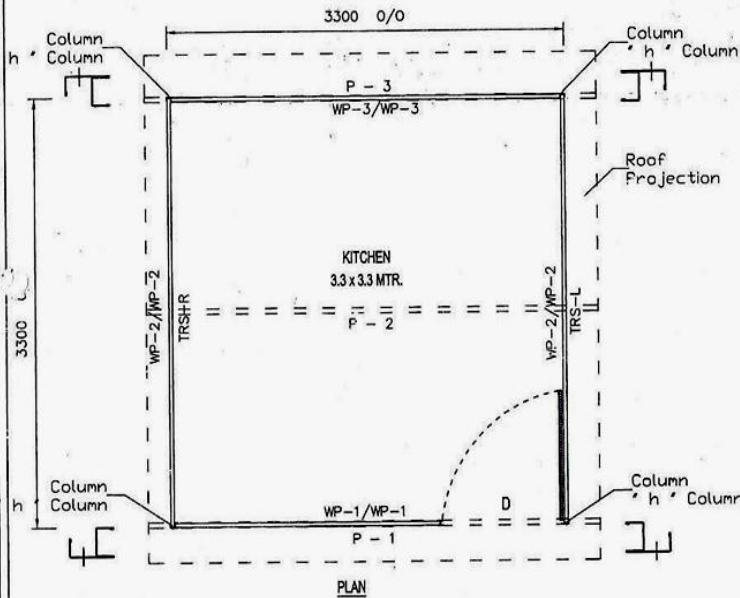


S. B. Wadgaonkar
Director of Education
(Primary Education)
Maharashtra State, Pune

APPROVED DRAWINGS



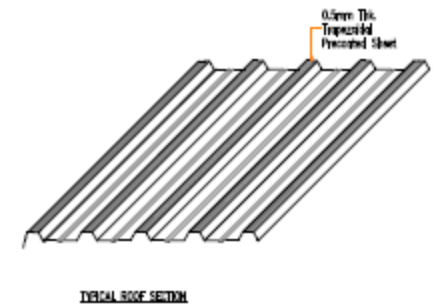
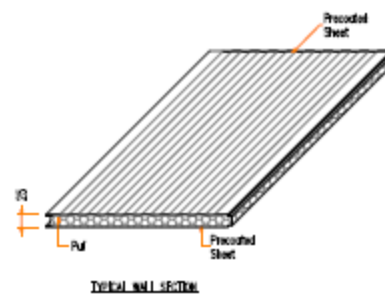
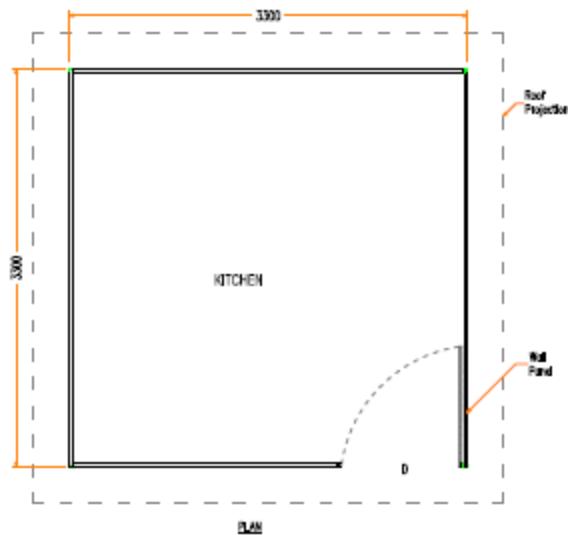
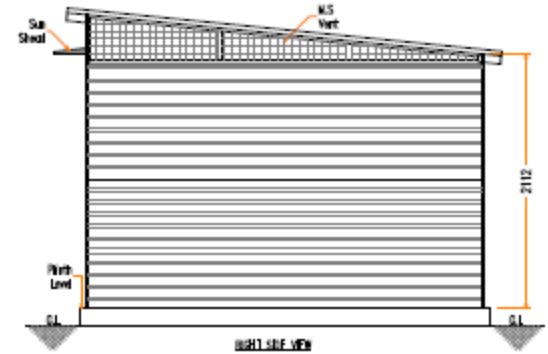
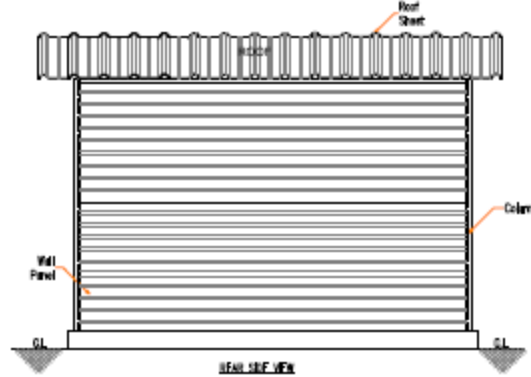
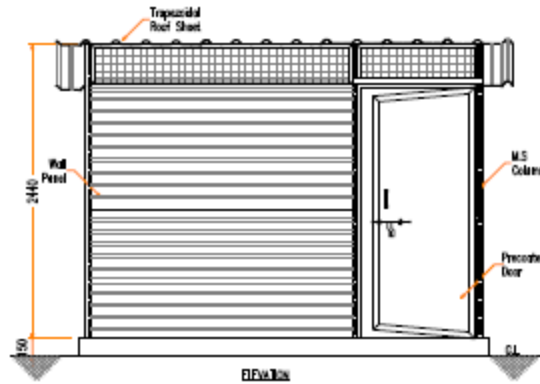
- P1 - PURLIN - MS TUBE 60 x 40 x 2 mm.
- P2 - PURLIN - MS TUBE 122 x 61 x 3.6 mm.
- P3 - PURLIN - MS TUBE 60 x 40 x 2 mm.



S. B. Wagh

Director of Education
(Primary Education)

<p>SINTEX ACTIVE THINKING SINTEX INDUSTRIES LTD. PREFAB DIVISION, KALOL (N. Guj.)</p>	CUSTOMER NAME:- S.S.A - MAHARASHTRA	DRAWING TITLE:- Assembly drawing for Kitchen For Midday Meal	DRN BY Nayan Solankar - 04 - 20	04 - 20	DRAWING NO. - 04 - 20 / 801 - 18 - 1 Maharashtra State, Pune DVG CLASS - D / 2012 / Project / Insulated S.S.A - MAHARASHTRA
	SCALE:- NTS	TOLERANCE:- ± 50 mm	PREFAB SIZE:- 3.3 x 3.3 x 2.3 / 2.2 Mtr.	CHKD BY S.G.Gandhi - 04 - 20	
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SECTION DETAILS OF MEMBER			
1.2MM THK. OF SHEET SECTION OF CORNER COLUMN	1.2MM THK. OF SHEET SECTION OF MIDDLE COLUMN	RHS 80 x 40 x 2MM THK. SECTION OF PURLIN	M.S ANGLE 25 x 25 x 2MM THK. SECTION OF RAFTER

SINTEX INDUSTRIES LTD.

(PREFAB DIVISION)
KALOL (N. Guj.)

CUSTOMER NAME:-

S.S.A - MAHARASHTRA

DRAWING TITLE:-

LAYOUT OF INSULATED KITCHEN
FOR MIDDAY MEAL

DRAWN BY:-
RANCHANDRA

DATE:-
31/12/2010

DRAWING NO.:-
SSA / DEC-10 / 401-119

CHECKED BY:-
P.R.K.

DATE:-

DWG. CLASS:-
INSULATED
E:\RANCHANDRA\MARKETING-2010
S.S.A - MAHARASHTRA

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SCALE:-
NTS



TOLERANCE:-
± 100mm

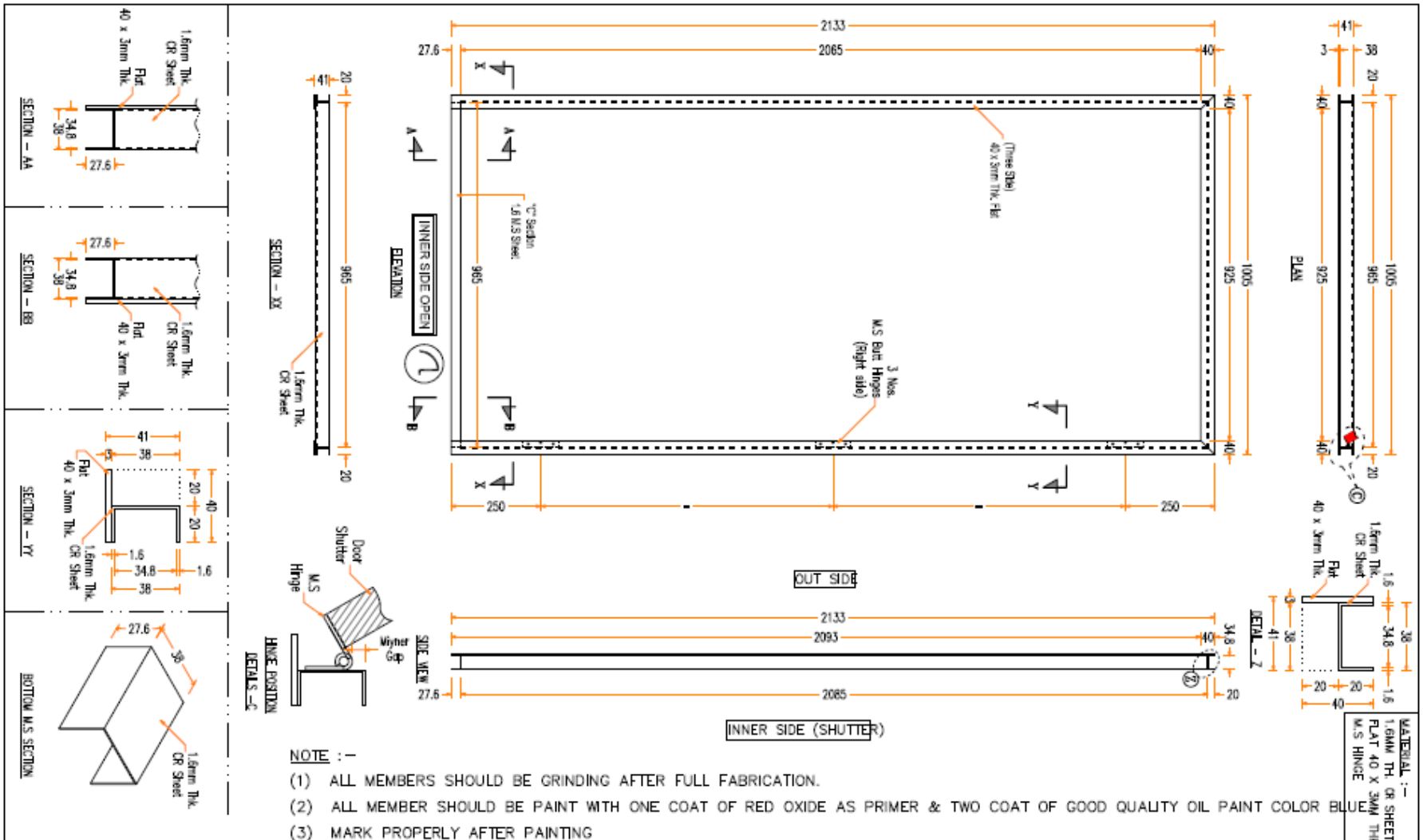
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3.3 x 3.3 x 2.4 / 2.1Mtr.

APPROVED BY:-
P.R.K.

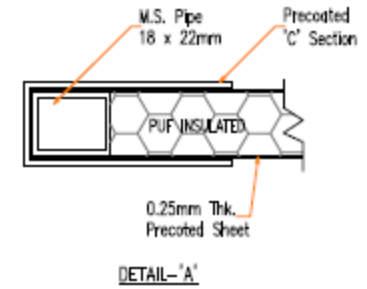
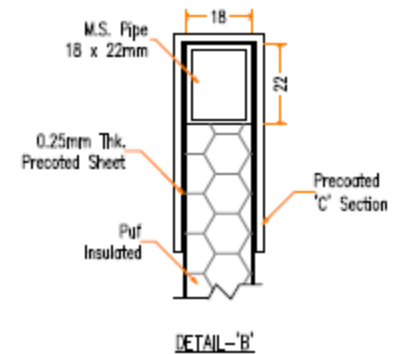
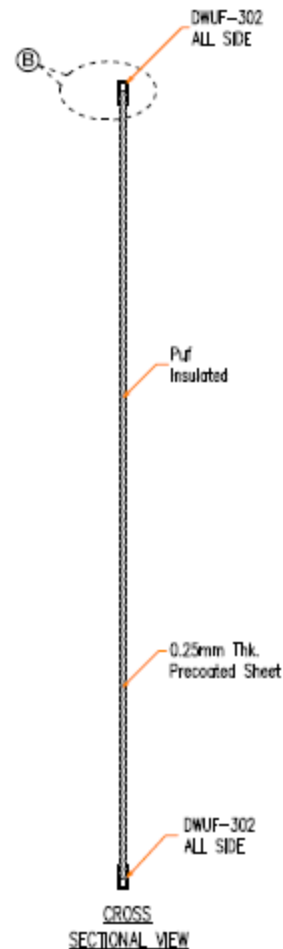
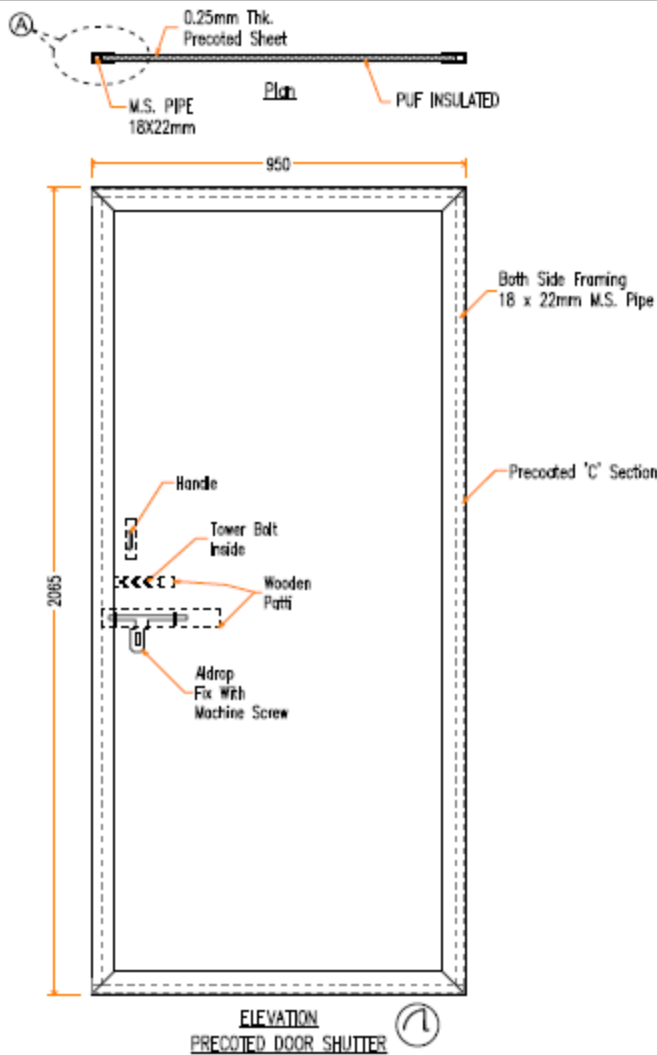
DATE:-

UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.



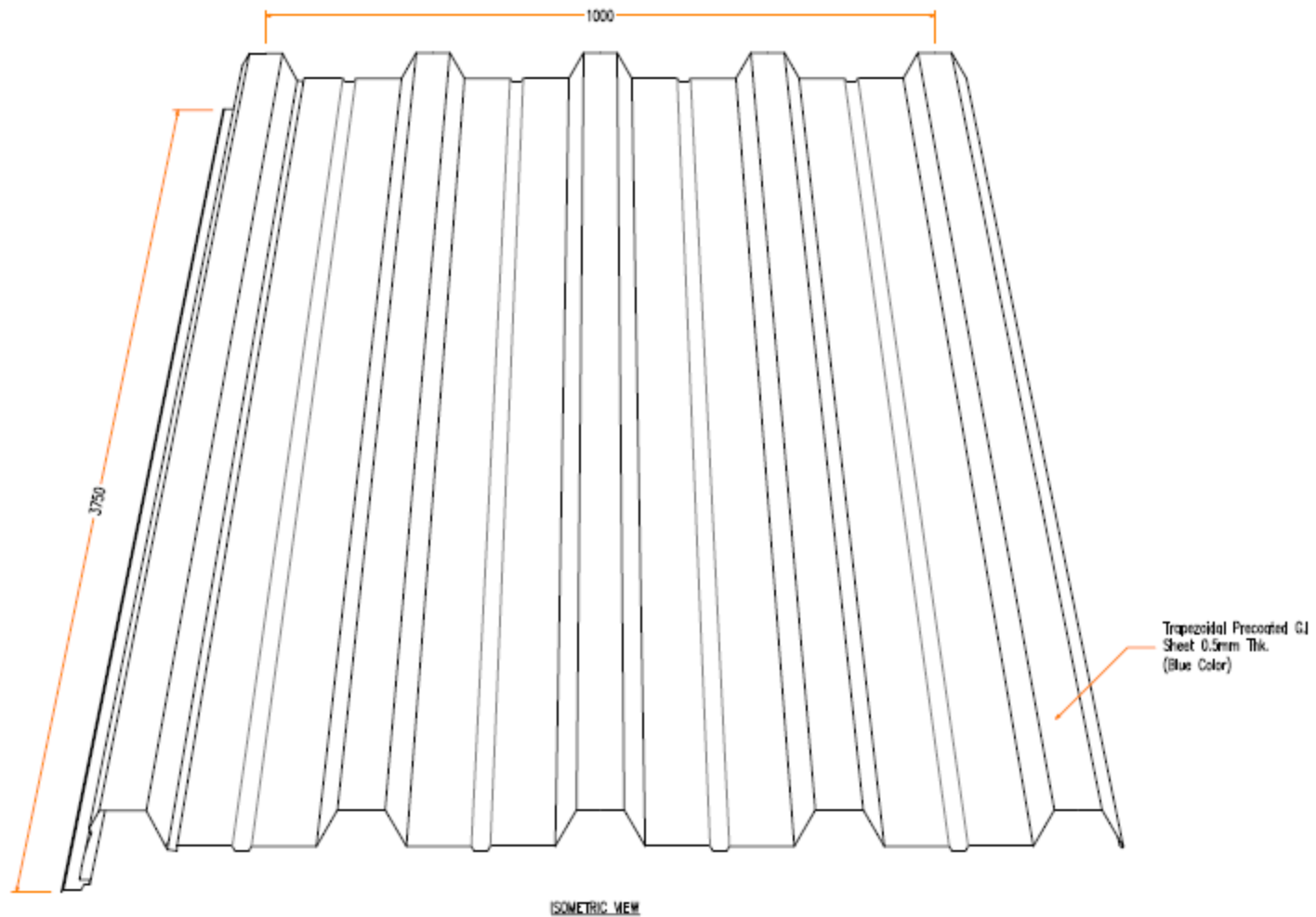
MATERIAL :-
 1.6MM TH. CR SHEET
 FLAT 40 X 3MM TH.
 M.S. HINGE

SINTEX INDUSTRIES LTD. (PREFAB DIVISION) KALOL (N. Guj.)	CUSTOMER NAME:- S.S.A - MAHARASHTRA		DRAWING TITLE:- M.S DOOR FRAME RIGHT SIDE OPENABLE		DRAWN BY:- RAMCHANDRA	DATE:- 31/12/2010	DRAWING NO.- SSA / JAN-11 / 419 - 16	
	SCALE:- NTS		TOLERANCE:- $\pm 1\text{mm}$	PREFAB SIZE:- 3.3 x 3.3 x 2.4 / 2.1Mtr.		CHECKED BY:- P.R.K.	DATE:- ...	DWG. CLASS:- INSULATED
THIS DRAWING IS THE PROPERTY OF SINTEX INDUSTRIES LTD. AND SHOULD NOT BE COPIED OR USED WITHOUT FROM SINTEX INDUSTRIES LTD.					APPROVED BY:- P.R.K.	DATE:- ...	UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.	



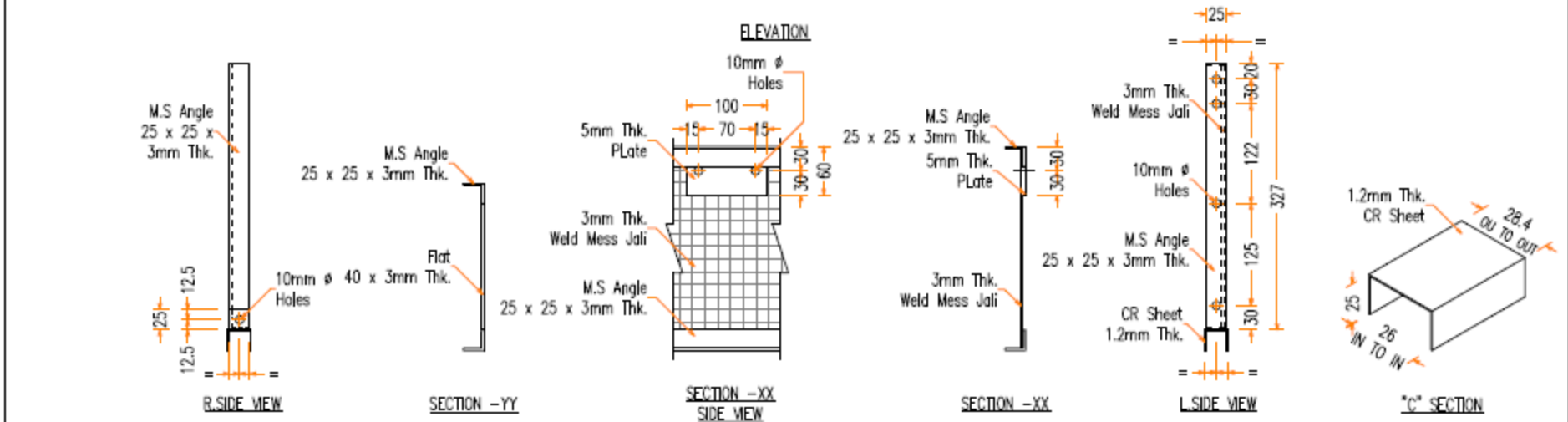
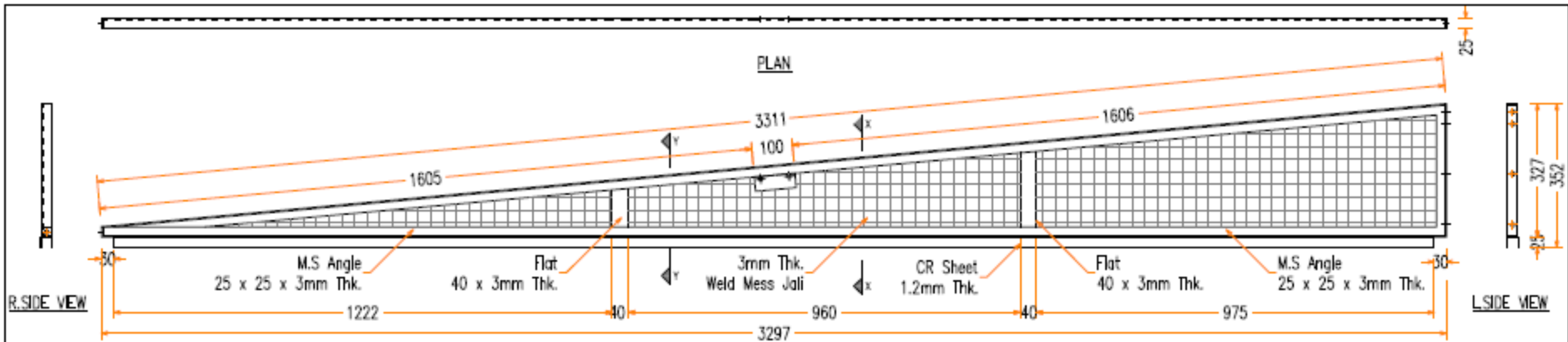
MATERIAL :-
 (1) M.S. PIPE 18 x 22MM,
 (2) 0.25MM THK.PRECOATED SHEET.(BLUE COLOR) .
 PRECOATED DOOR SHUTTER INNER SIDE OPEN ABLE
 RIGHT SIDE HINGES
 ALL HARDWARE ITEM ALUMINUM

SINTEX INDUSTRIES LTD. (PREFAB DIVISION) KALDL (N. Guj.) SINTEX ACTIVE THINKING	CUSTOMER NAME:- S.S.A - MAHARASHTRA		DRAWING TITLE:- PRECOATED DOOR SHUTTER (RIGHT SIDE OPEN ABLE)		DRAWN BY:- RAMCHANDRA DCD	DATE:- 31/12/2010	DRAWING NO.:- SSA / JAN-11 / 419 - 17	
	SCALE:- NTS		TOLERANCE:- ± 1mm	PREFAB SIZE:- 3.3 x 3.3 x 2.4 / 2.1Mtr.		CHECKED BY:- P.R.K.	DATE:- ...	DWG. CLASS:- INSULATED
THIS DRAWING IS THE PROPERTY OF SINTEX INDUSTRIES LTD. AND SHOULD NOT BE COPIED OR USED WITHOUT FROM SINTEX INDUSTRIES LTD.					APPROVED BY:- P.R.K.	DATE:- ...	UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.	



MATERIAL :- TRAPEZOIDAL PRECOATED G.I SHEET 0.5MM TH. BLUE C
NOTE :- MARK PROPERLY AFTER PAINTING

SINTEX INDUSTRIES LTD. (PREFAB DIVISION) KALDL (N. Guj.) SINTEX ACTIVETHINKING	CUSTOMER NAME:- S.S.A - MAHARASHTRA		DRAWING TITLE:- PRECOATED G.I TRAPEZOIDAL ROOF SHEET		DRAWN BY:- RAMCHANDRA	DATE:- 31/7/2010	DRAWING NO.:- SSA / JAN-11 / 419 - 21		
	SCALE:- NTS		TOLERANCE:- $\pm 1\text{mm}$	PREFAB SIZE:- 3.3 x 3.3 x 2.4 / 2.1Mtr.		CHECKED BY:- P.R.K.	DATE:- ...	DWG. CLASS:- INSULATED	E:\RAMCHANDRA\PROJECT-2010 S.S.A - MAHARASHTRA
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NOTE :-

- (1) ALL MEMBERS SHOULD BE GRINDING AFTER FULL FABRICATION.
- (2) ALL MEMBER SHOULD BE PAINT WITH ONE COAT OF RED OXIDE AS PRIMER & TWO COAT OF GOOD QUALITY OIL PAINT COLOR
- (3) MARK PROPERLY AFTER PAINTING

- MATERIAL :-
- (1) M.S ANGLE 25x25x3MM
 - (2) 40x3MM TH. FLAT.,
 - (3) 3MM TH. WELD MESS JALI
 - (4) 5MM THK. PLATE.,
 - (5) CR SHEET 1.2MM TH.

SINTEX INDUSTRIES LTD. (PREFAB DIVISION) KALOL (N. Guj.)	CUSTOMER NAME:- S.S.A - MAHARASHTRA		DRAWING TITLE:- TRUSS RIGHT - TRS-R		DRAWN BY:- RAMCHANDRA	DATE:- 31/12/2010	DRAWING NO.:- SSA / JAN-11 / 419 - 07
	SCALE:- NTS		TOLERANCE:- $\pm 1mm$	PREFAB SIZE:- 3.3 x 3.3 x 2.4 / 2.1Mtr.	CHECKED BY:- P.R.K.	DATE:- ...	DWG. CLASS:- INSULATED
THIS DRAWING IS THE PROPERTY OF SINTEX INDUSTRIES LTD. AND SHOULD NOT BE COPIED OR USED WITHOUT FROM SINTEX INDUSTRIES LTD.				APPROVED BY:- P.R.K.	DATE:- ...	UNLESS AND OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.	

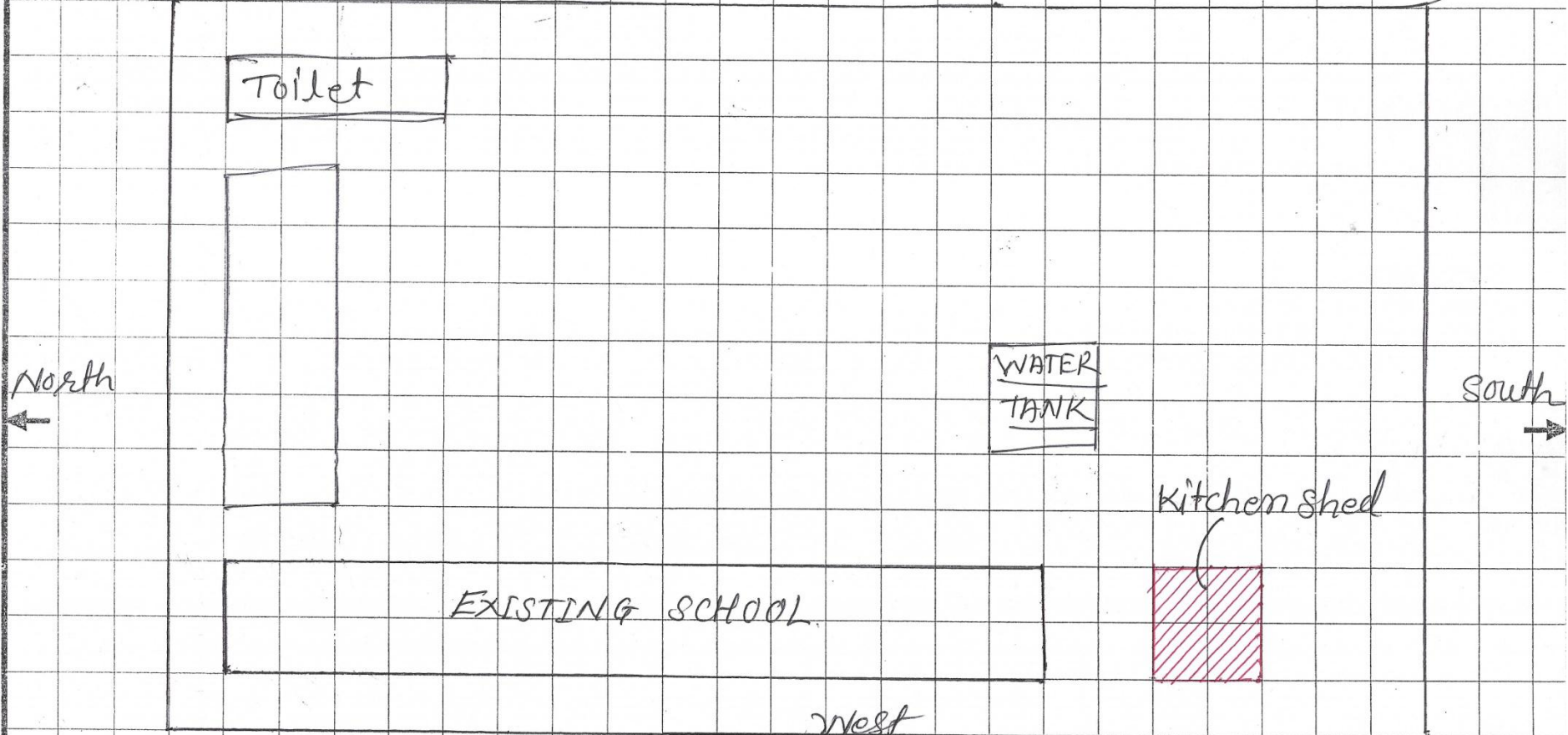
Methodology for work execution

- Actual survey carrying out by PMC for availability of sufficient space & finalizing of location.
- The copies of survey done by PMC are handing over to Contractor for execution.
- Contractor start the work with lay out as per location finalizing in survey.
- The work is completed by contractor under supervision of PMC.
- Final inspection is done by PMC & inspection report is prepared.
- Finally completed kitchen shed is handed over to concern Head Master along with copy of inspection report.

District- Ahmednagar Taluka *A'Nagar* Village- *Tandali Vadgaon* Date-

↑ EAST

Grid Line Scale-1cm= 2m



Project- Construction of Modular Pre-Fabricated Kitchen Sheds under Mid Day Meal Scheme in the State of Maharashtra
 Client - DPMS, PUNE PMC - Gherzi Eastern Ltd
 Title- Location Plan for Kitchen shed
 School Name - *Dharmnath vidyalaya*
 Name of HM. - *Bodke P.L. Tandali*
 Cell No. - *9503827114*
 DPMS/PMC Rep. - *Prasant patil*
 Cell No. - *9423792747*



M. D. AUTY
 CIVIL ENGINEER

(Bdy P)
 HEAD MASTER
 Shri Dharmnath Vidyalaya
 Tandali Vadgaon, Tal. & Dist. A'Nagar
 Sign & Seal of HM



Excavation In Progress



Plinth Construction In Progress



Plinth Construction In Progress



Plinth Construction In Progress



Completed Plinth



Erection Work In Progress



Erection Work In Progress

जि.प.प्रा.शा. बेंदवस्ती (लोणी) राहाता



Completed Kitchen Shed



Completed Kitchen Shed



Inauguration of Completed Kitchen Shed

INSPECTION REPORT OF KITCHEN SHED

DATE: 07/3/2013

Project : Construction of Modular Pre-Fab Kitchen Sheds Under Mid Day Meal Scheme In Maharashtra State
Client : Directorate of Primary Education Maharashtra State, Pune
PMC : Gherzi Eastern Ltd, Pune
Contractor : Sintex Industries Ltd, Pune
Location : ZP Primary School

Village:- ASHAV VASTI
Taluka:- NEWARA

7183

Centre:- KARAJGAON
District:- AJNAR

S No.	DESCRIPTION	OBSERVATIONS
1	Dimensions :- (In mm)	
	a) Kitchen Shed 0/0 (L x B)	3300 x 3300 ✓
	b) Kitchen Shed I/I (L x B)	3240 x 3240 ✓
	c) Kitchen Shed (H) Front	2345 ✓
	d) Kitchen Shed (H) Back	2228 ✓
	e) Plinth O/O (L x B x H)	3500 X 3500 X 300 ✓ Plinth Wk - BK / UCR / PCC Black
	f) Step (L x B x H)	1000 X 300 X 150 ✓ Soil Strara -BC / Murum / Rock
2	Sections :-	
	a) CR Sheet Column (h sec)	Size- 61 x 38.8 x 25 ✓ THK- 1.2
	b) MS Tube Purlin	P1- 60 x 40 x 2 P2- 122 x 61 x 3.6 P3- 60 x 40 x 2 ✓
	c) MS Ventilators	Ht (F)- 200 ✓ Ht (B)- 100 ✓ W/M- 25X25X30 ✓
	d) Procoated Door Shutter	Size: 950 x 1980 x 28 ✓ Nos : 01 ✓
	e) Fittings i) Alum Handle	Size: 150 ✓ Nos : 02 ✓
	ii) Alum Aldrop Bolt	Size: 250 ✓ Nos : 01 ✓
	iii) Alum Tower Bolt	Size: 150 ✓ Nos : 01 ✓
	iv) MS Butt Hinges	Size: 100 ✓ Nos : 03 ✓
	f) Wall Panel S/W PUF Sheet	THK: 30 ✓
	g) Roof CGI Trough Sheet	Size- 3750 x 1100 ✓ Thk- No: 4 Projection: F/B Sides ✓
3	Finishes :-	
	a) PCC Bed Black	Grade: M-20 ✓ Size: 300 x 300 x 300 ✓
	b) PCC Floor	Grade: M-15 ✓ THK: 75 ✓
	c) External Plaster	
	d) Colour Wash	
	e) Electrification	
	f) Site Cleaning	
4	Additional Observations :-	

KVS GEHLOT
ENGINEER
 Rep of **SINTEX IND. LTD**
 For Sintex Ind Ltd



(Signature)
SHAHARAM M. KADAM
CIVIL ENGINEER
GHERZI EASTERN LTD.
PUNE
 PMC
 For Gherzi Eastrn Ltd

HANDING / TAKING OVER REPORT

Project : Construction of Modular Pre-Fab Kitchen Sheds Under Mid Day Meal Scheme In Maharashtra State
Client : Directorate of Primary Education Maharashtra State, Pune
PMC : Gherzi Eastern Ltd; Pune
Contractor : Sintex Industries Ltd, Pune
Location : ZP Primary School

7183

Village: AGHAV VASTI **Centre:** KARAJGAON
Taluka: NEWADA **District:** A. NAGAR
Name of HM: Smt. SANGITA HOSHABAPU **Contact No.:** 9372013452
ANDHALE

Sr. No.	DESCRIPTION	Quantity
1	Per-Fabricated Kitchen Shed Under Mid Day Meal Scheme (SSA) complete with all fittings in satisfactory condition.	1No

Handed Over By

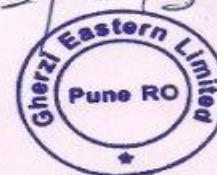
Taken Over By

Signature.....
Name of Contractor's representative **KVS GEHLOT**
Designation..... **ENGINEER**
Date..... **SINTEX IND. LTD.**
05/3/2013

Signature.....
Name of HM..... **SMT. S. A. ANDHALE**
Designation..... **HM**
Date..... **05 MAR 2013**

मुख्याध्यापक
जिल्हा परिषद प्राथमिक शाळा
आघाव वस्ती, ता. नेवासा, जि. अहमदनगर

Signature.....
Name of PMC representative..... **SHAHARAM M. KADAM**
Designation..... **CIVIL ENGINEER**
Date..... **05/3/2013** **GHERZI EASTERN LTD.**
PUNE





Handing Over of Completed Kitchen Shed



Kitchen Shed In use



जि.प.प्राथ.शाळा, देशमुखवाडी-केळुंगण (राजुर) ता.अकोले, जि.अहमदनगर

Kitchen Shed In use