

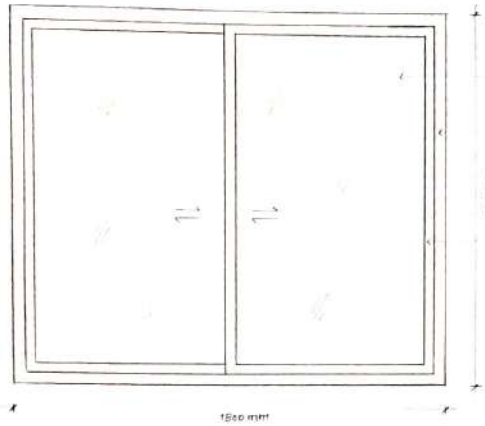
• PVC IS THE WORLD'S THIRD MOST WIDELY PRODUCED SYNTHETIC PLASTIC POLYMER. PVC COMES IN TWO BASIC FORMS: RIGID, FLEXIBLE.  
 • RIGID FORM OF PVC - CONSTRUCTION FOR PIPE AND IN PROFILE APPLICATION SUCH AS DOORS AND WINDOWS.  
 • PVC IS A COMMON, STRONG BUT LIGHTWEIGHT PLASTIC USED IN CONSTRUCTION.

DETAIL SECTION AA SCALE: 1:1

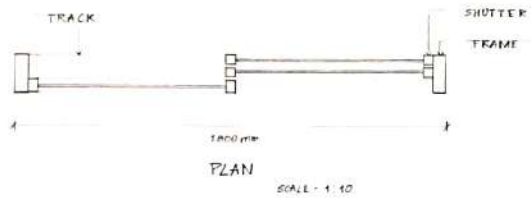


# UPVC DOORS

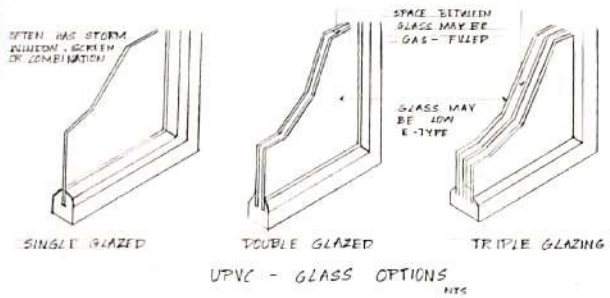
School of Arch.	REMARKS	SHEET NO	NAME
1 Subject Teacher		01	TEJASWINI V
2 Examiner-1			USN 19121A014
3 Examiner-2			SUBJECT FMC-VI
			SEMESTER VI AY 2024-25
			SCHOOL OF ARCHITECTURE, SJT, TUMAKURU



ELEVATION  
SCALE - 1:10



PLAN  
SCALE - 1:10



UPVC - GLASS OPTIONS  
N/C



CASEMENT FRAME  
CODE NO: ST-551

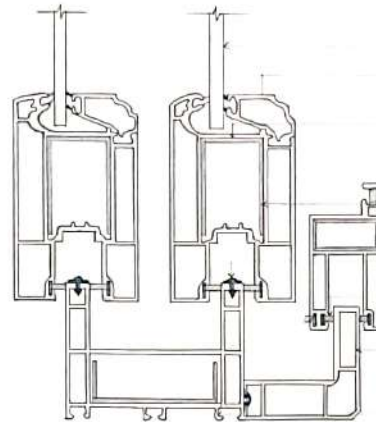


SASH / STYLE  
CODE NO: ST-604



SASH / MULLION  
CODE NO: ST-552

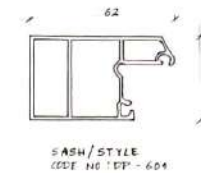
GLASS PANEL  
FRAME  
SHUTTER



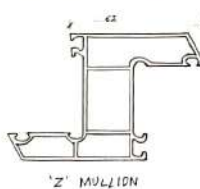
CROSS-SECTION OF SLIDING DOOR WITH MESH  
SCALE - 1:1



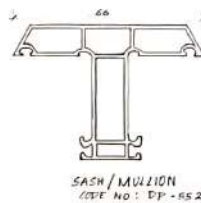
CASEMENT FRAME  
CODE NO: ST-551



SASH / STYLE  
CODE NO: DP-604



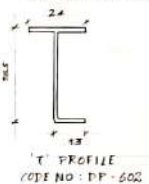
'Z' MULLION



SASH / MULLION  
CODE NO: DP-552

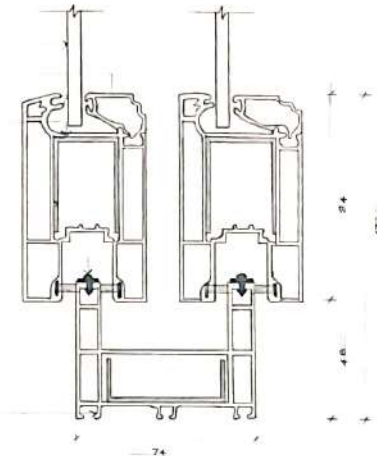


SINGLE GLAZING BEAD  
CODE NO: ST-605

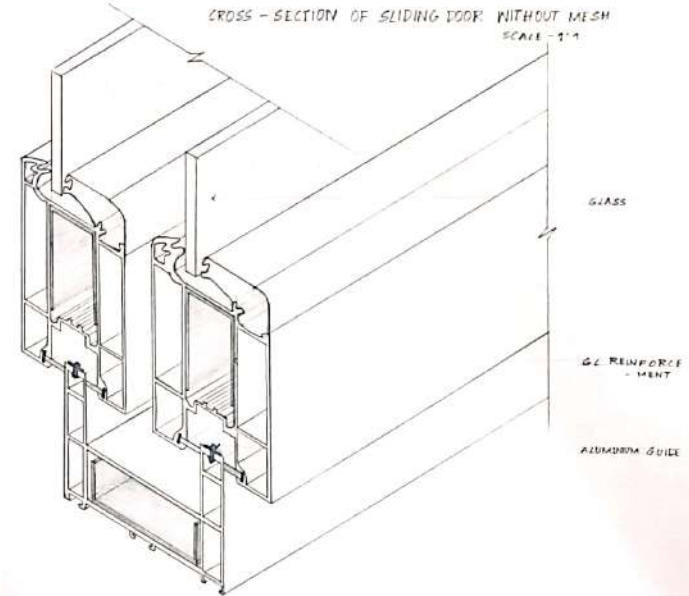


'T' PROFILE  
CODE NO: DP-602

GLASS  
GLAZING BEAD  
GLASS SASH  
GZ REINFORCEMENT  
ALUMINIUM GUIDE  
FIN SEAL  
INSECT SCREEN  
OUTER FRAME



CROSS-SECTION OF SLIDING DOOR WITHOUT MESH  
SCALE - 1:1



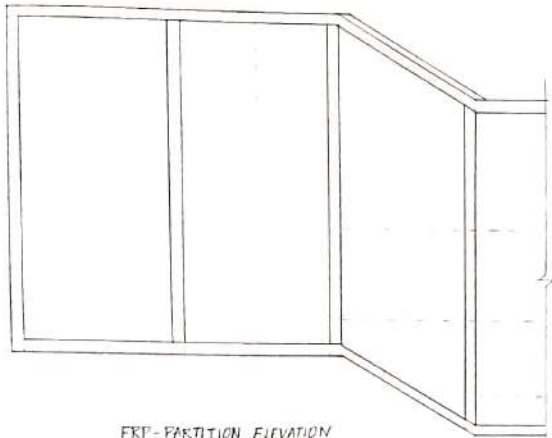
ISOMETRIC VIEW OF SLIDING DOOR WITHOUT MESH  
SCALE - 1:1



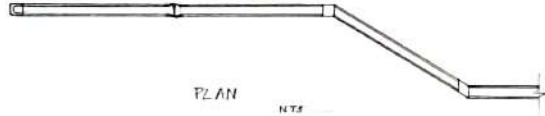
# UPVC - WINDOW

1. Submitter	2. Supervisor	3. Examiner	4. Date

SHEET NO	NAME
USN	
SUBJECT	
SEMESTER	AY 2024-25
SCHOOL OF ARCHITECTURE, MIT, TUMAKURU	



FRP-PARTITION ELEVATION  
NTS



PLAN  
NTS



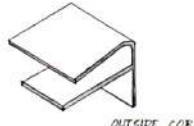
END CAP



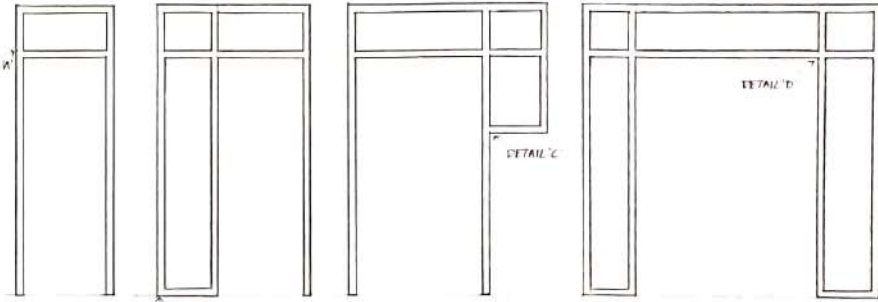
INSIDE CORNER



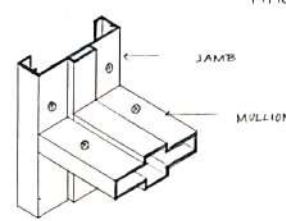
FINNER BAR



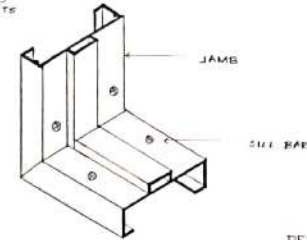
OUTSIDE CORNER



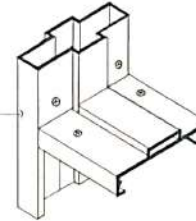
TYPICAL ELEVATIONS  
NTS



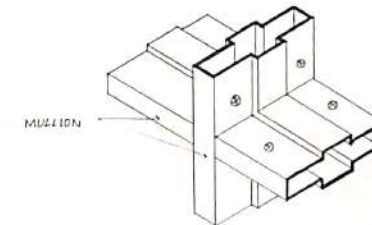
DETAIL 'A'



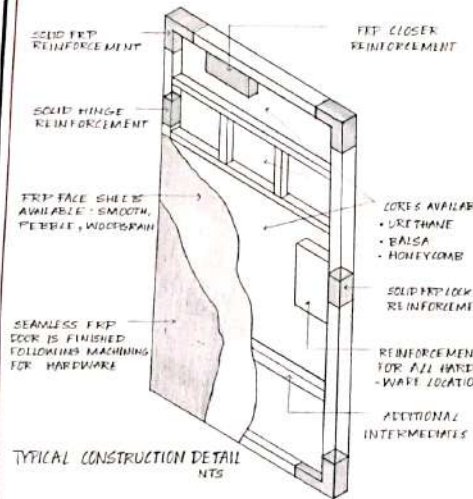
DETAIL 'B'



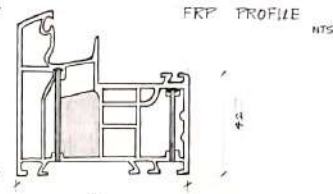
DETAIL 'C'



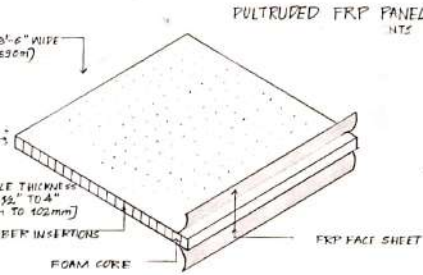
DETAIL 'D'



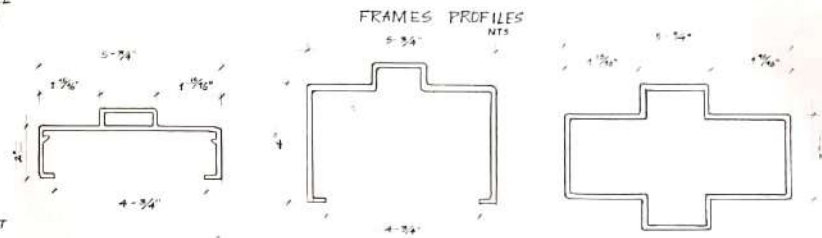
TYPICAL CONSTRUCTION DETAIL  
NTS



FRP PROFILE  
NTS



PULTRUDED FRP PANEL  
NTS



FRAMES PROFILES  
NTS

- SOLID FRP REINFORCEMENT
- SOLID HINGE REINFORCEMENT
- FRP-FACE SHEET AVAILABLE: SMOOTH, PEBBLE, WOODGRAIN
- SEAMLESS FRP DOOR IS FINISHED FOLLOWING MACHINING FOR HARDWARE
- FRP CLOSER REINFORCEMENT
- CORES AVAILABLE:
  - URETHANE
  - BAUSA
  - HONEYCOMB
- SOLID FRP LOCK REINFORCEMENT
- REINFORCEMENTS FOR ALL HARDWARE LOCATION
- ADDITIONAL INTERMEDIATES
- VARIABLE THICKNESS FROM 1/2" TO 1/4" (13mm TO 40mm)
- 3-D FIBER INSERTIONS
- FRP FACE SHEET
- FOAM CORE



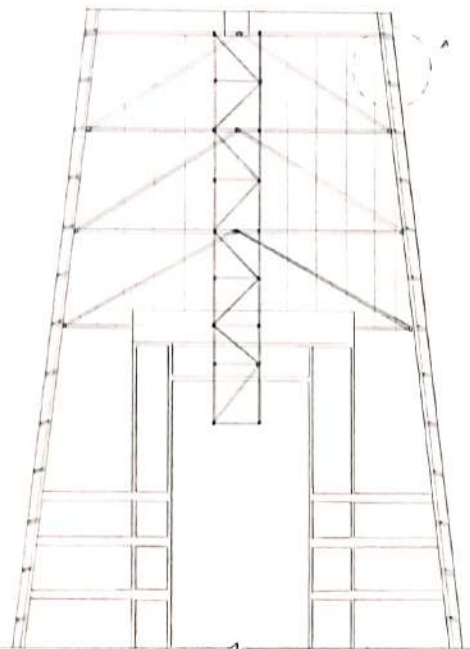
# FIBRE REINFORCEMENT POLYMERS. [FRP]

1. Design	REMARKS: N/A
2. Subject	
3. Date	

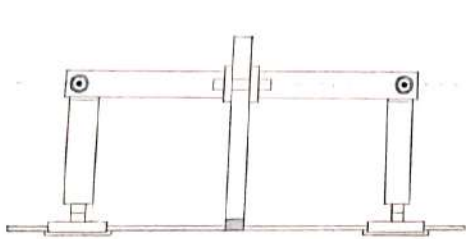
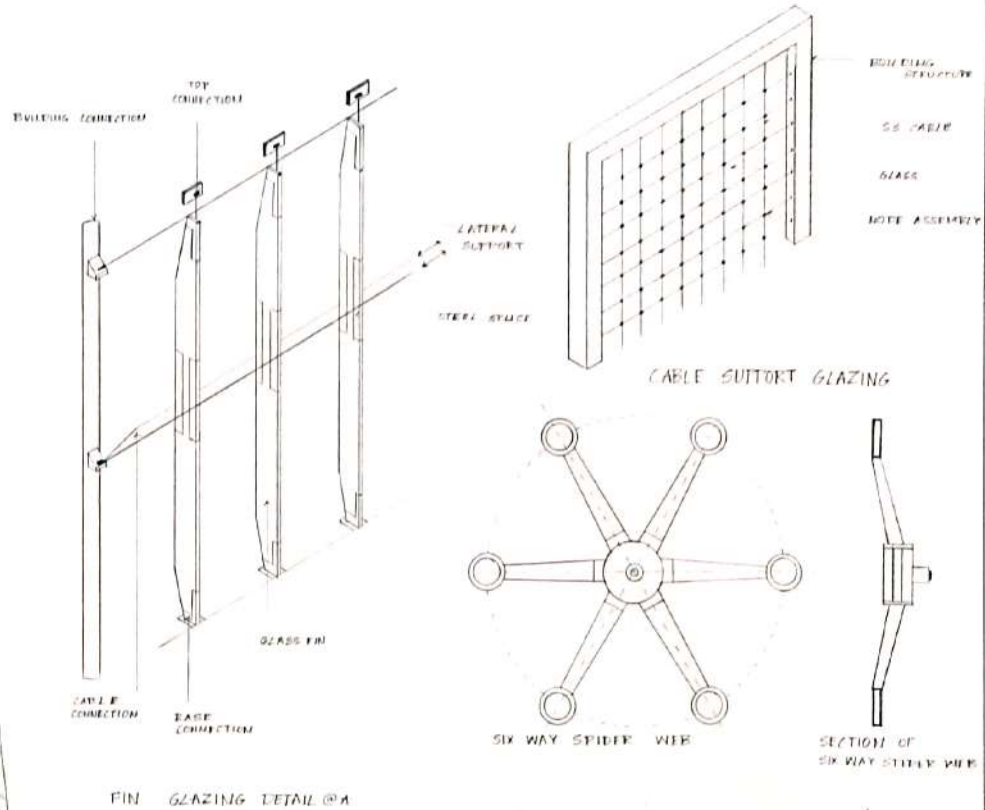
SHEET NO	03
NAME	TEJASWINI V
USN	15122AT014
SUBJECT	FRP VI
SEMESTER	VI
AY	2024-25
SCHOOL OF ARCHITECTURE, SIT, TUMAKURU	



ELEVATION  
SCALE'S FORCE BUILDING  
1:2000



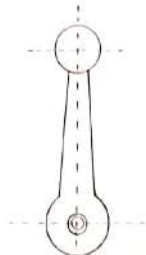
DETAIL SECTION  
1/100



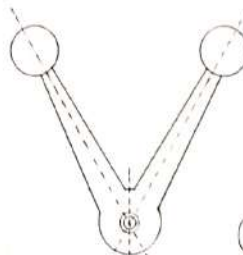
TWO WAY SPIDER WEB @ TOP AND BOTTOM



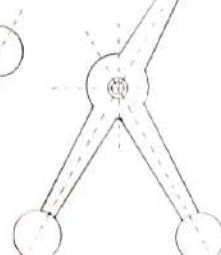
SECTION SPIDER WEB



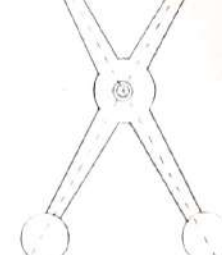
ONE WAY SPIDER WEB



TWO WAY SPIDER WEB



THREE WAY SPIDER WEB

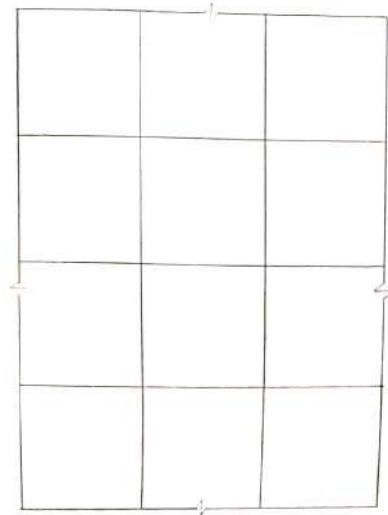


FOUR WAY SPIDER WEB



# STRUCTURAL GLAZING

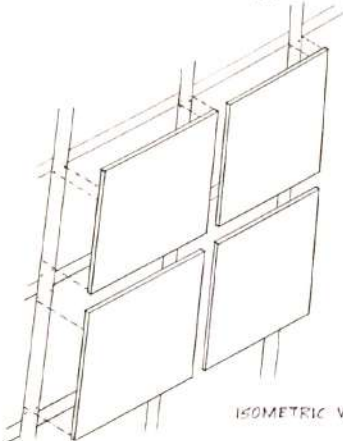
SIDDAGANGAIAH	LEVEL OF TRADE MARKS, TUMAKURU	SHEET NO.	NAME
1. Design	2. Examined	01	TEJASWINI
			USN 101224014
			SUBJECT BME VI
			SEMESTER 06
			AY 2024-25
			SCHOOL OF ARCHITECTURE, SI. TUMAKURU



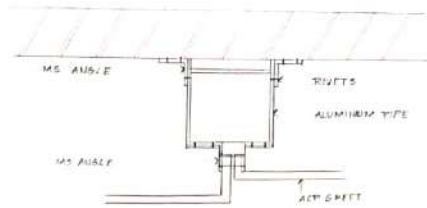
ELEVATION  
NTS



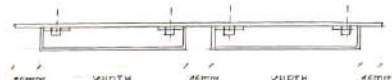
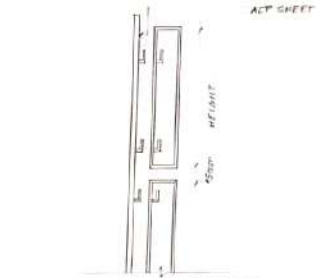
PLAN  
NTS



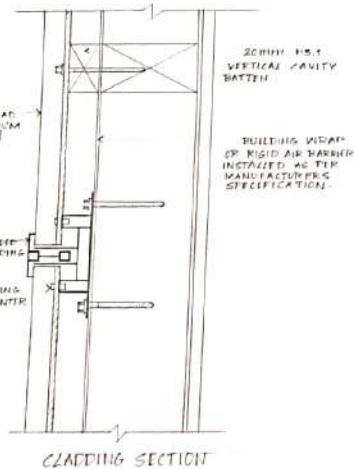
ISOMETRIC VIEW  
NTS



VERTICAL SECTION

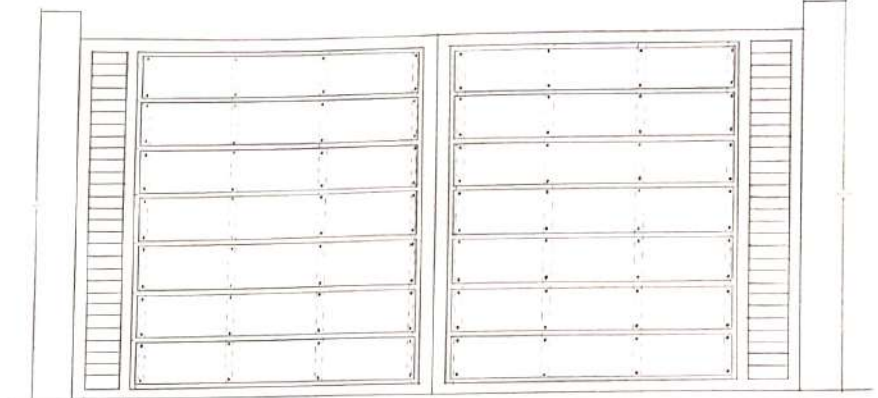


HORIZONTAL SECTION



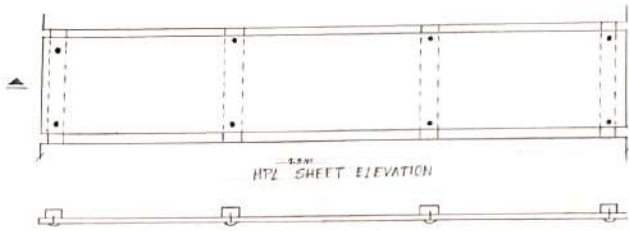
CLADDING SECTION

200MM MS VERTICAL CAVITY BATTENS  
 BUILDING WRAP OF RIGID AIR BARRIER INSTALLED AS PER MANUFACTURER'S SPECIFICATION.  
 SELECTED FLASH AND EXTRUDED ALUMINUM CLADDING (ACP)  
 FLASH AND EXTRUDED ALUMINUM CLADDING JOINTS  
 RIVET FIX CLADDING EXTRUSIONS TO JOINTS



HPL GATE ELEVATION

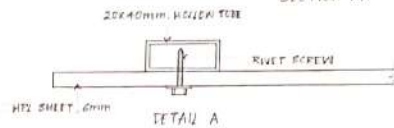
SCALE - 1/10



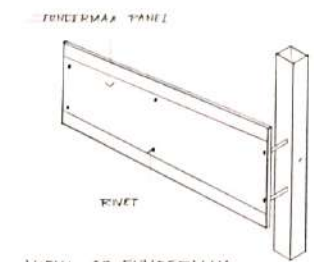
HPL SHEET ELEVATION



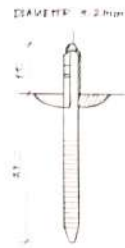
SECTION AA'



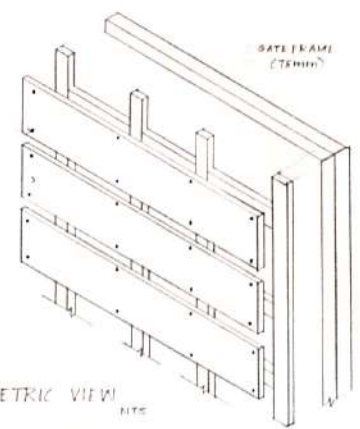
DETAIL A



VIEW OF FUNDERMAX FIXING DETAIL



RIVET SCREW



GATE FRAME (TIMBER)

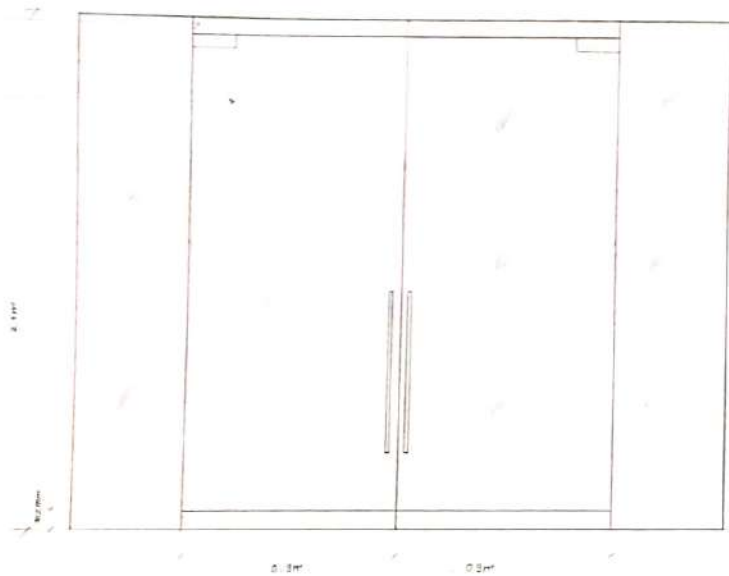
ISOMETRIC VIEW  
NTS



# ACP AND HPL

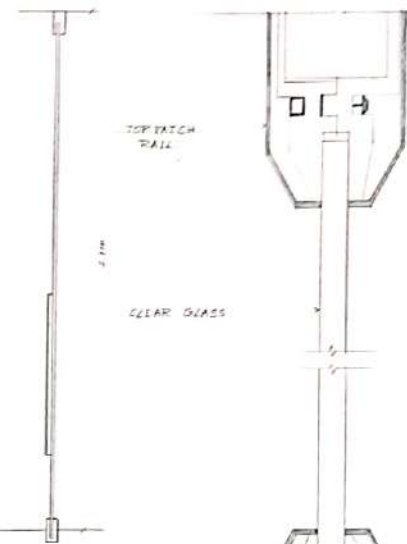
STUDY/DESIGN/CONSTRUCTION/REVISIONS	DATE	REMARKS	SHEET NO	NAME
1 Subject		Scale of Arch	05	U. JASWINI V
2 Examined				USN : 1912210104
3 Examined				SUBJECT : EMG VI
				SEMESTER : 6 <sup>th</sup> AY : 2021-22
				SCHOOL OF ARCHITECTURE, SIT - TUMAKURU

HEADER  
GLASS



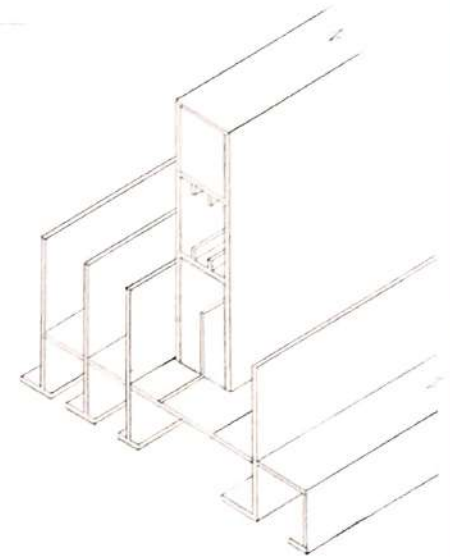
ELEVATION

SCALE - 1:10



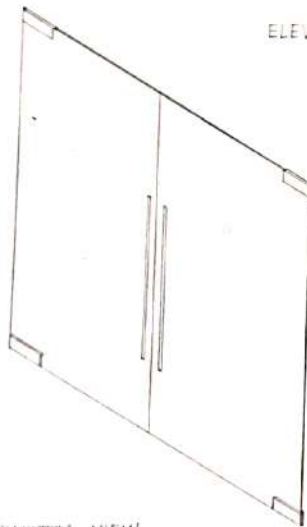
TOP PATCH RAIL

CLEAR GLASS



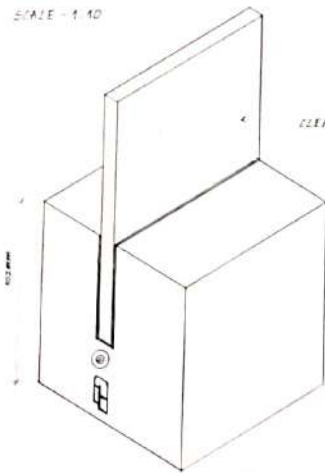
BOTTOM TRACK DETAIL

GLASS DOOR



ISOMETRIC VIEW

SCALE - NTS



LOCK RAIL DETAIL

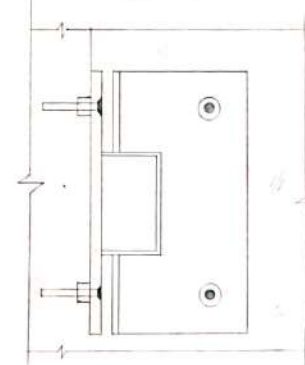
SCALE - NTS

CLEAR GLASS

BOTTOM PATCH RAIL

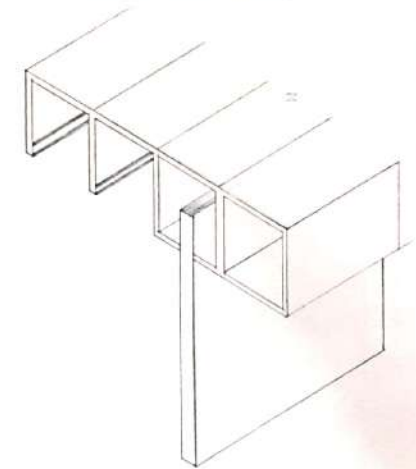
SECTIONAL DETAIL

SCALE - NTS



HINGE DETAIL

SCALE - NTS



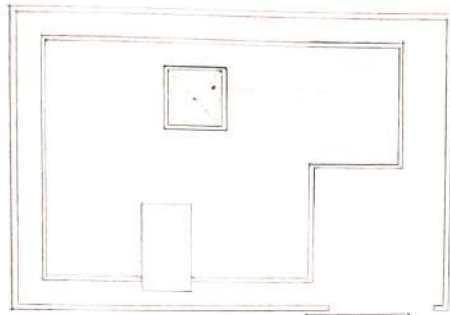
UPPER TRACK DETAIL



# FRAMELESS GLASS DOOR

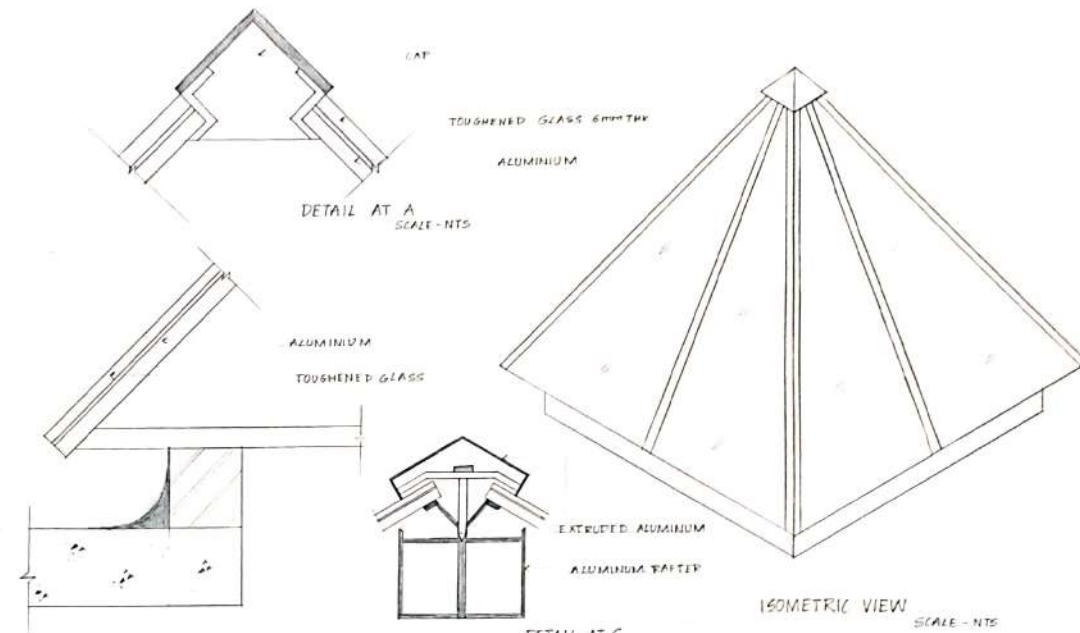
SIDDHAGANGA INSTITUTE OF TECHNOLOGY	REMARKS
1. Submitted	
2. Examined	

SHEET NO	NAME
CF	DE JASHVINI V
	USN
	19122AT0146
	SUBJECT
	FMC VI
	SEMESTER
	VI
	A.Y
	2024-25
	SCHOOL OF ARCHITECTURE, SIT, TUMAKURU

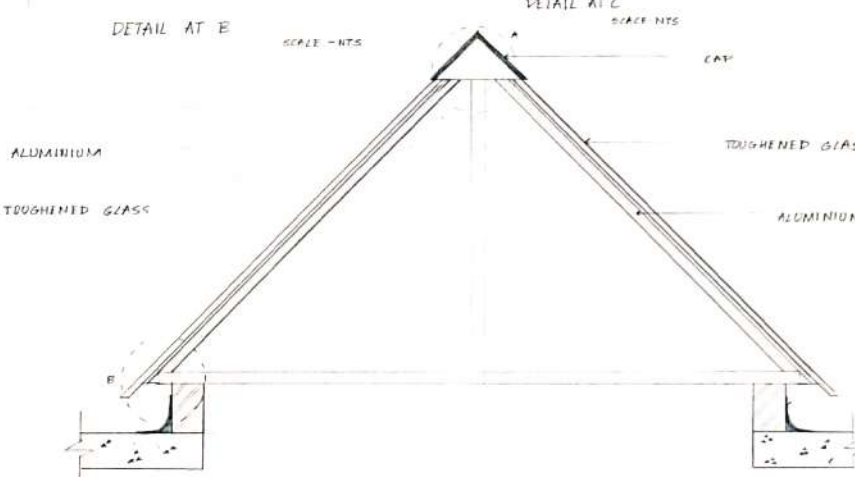


KEY PLAN  
SCALE - 1:100  
2.5m

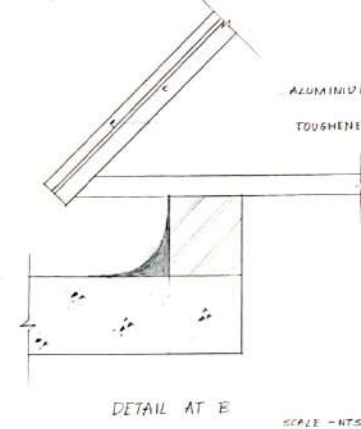
PYRAMID SKYLIGHT  
2.5m x 2.5m



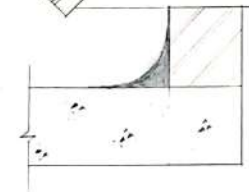
ISOMETRIC VIEW  
SCALE - NTS



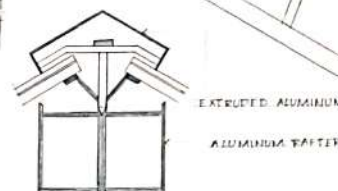
SECTION  
SCALE - 1:10



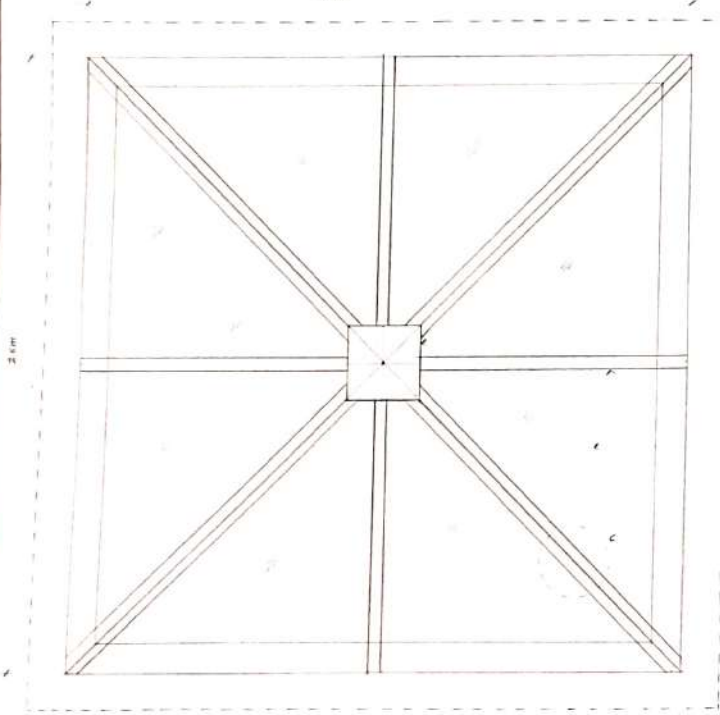
DETAIL AT A  
SCALE - NTS



DETAIL AT B  
SCALE - NTS



DETAIL AT C  
SCALE - NTS



PLAN [PYRAMID]  
SCALE - 1:10

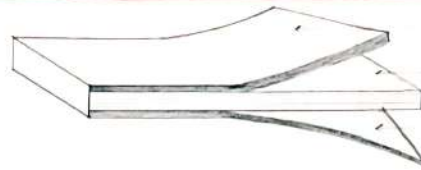
# SKYLIGHT



SIDDAGANGA INSTITUTE OF ARCHITECTURE SCHOOL OF ARCHITECTURE	DATE OF TENDERS SCHOOL OF ARCHITECTURE	TUMAKURU UNIVERSITY	SHEET NO 07	NAME TEJASHWINI V
1 Subject Teacher	2 Examiner			USN 45122AT044
				SUBJECT BMC
				SEMESTER 6 <sup>th</sup> AY 2024-25
				SCHOOL OF ARCHITECTURE, SIT TUMAKURU

# CASE STUDY - FUNDERMAX

- LOCATION - TUMKUR, KARNATAKA, INDIA
- USED IN - CLADDING [ELEVATION]
- MATERIAL - WOOD [BASE MATERIAL], ALUMINIUM, RIVET SCREW

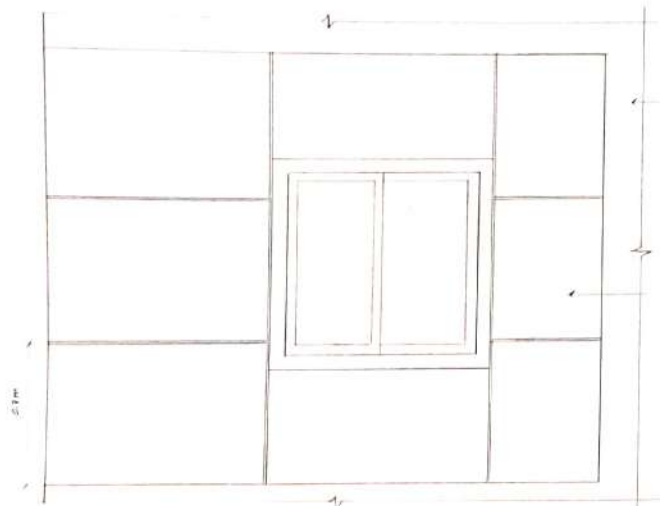


ACRYLIC PURFRESIN  
[WEATHER PROTECTION]  
FLAME RETARDANT  
[CORE HYDRO]  
PLAIN - PRINTED  
DECOR

PANEL DETAIL

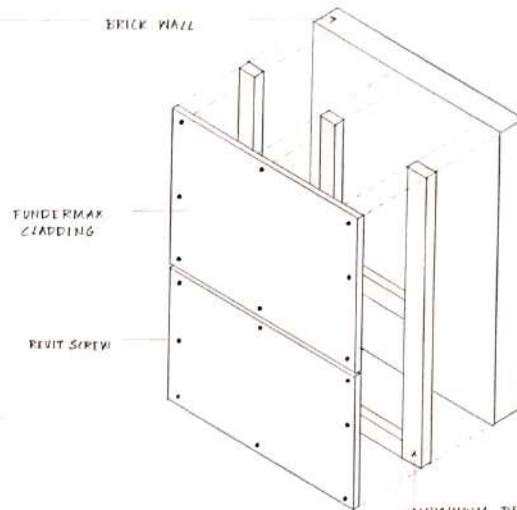


ELEVATION



ELEVATION

SCALE: NTS



ISOMETRIC VIEW

SCALE: NTS



VIEW OF FUNDERMAX  
CLADDING



VIEW

ALUMINIUM RECTANGULAR SECTION  
75mm x 28mm



SECTION

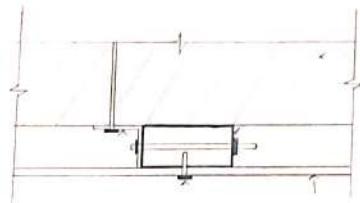
SCALE: NTS

FUNDERMAX PANEL

ALUMINIUM RECTANGULAR  
SECTION



TEXTURE OF  
FUNDERMAX

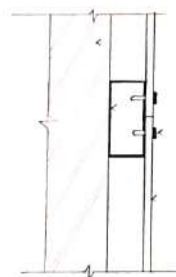


DETAIL B

SCALE: NTS

BRICK WALL

ALUMINIUM  
RECTANGULAR SECTION  
RIVET SCREW  
FUNDERMAX



DETAIL - A

SCALE: NTS

BRICK WALL

ALUMINIUM  
RECTANGULAR SECTION  
RIVET SCREW

FUNDERMAX



RIVET SCREW



FUNDERMAX PANEL

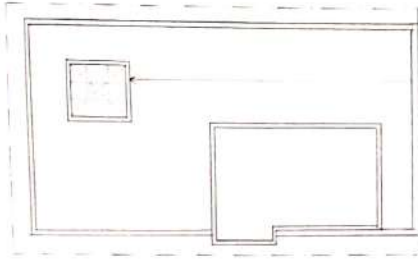


# CASE STUDY - FUNDERMAX

SIDDAGANGA INSTITUTE OF ARCHITECTURE	SCHOOL OF ARCHITECTURE	SHEET NO 08	NAME TEJASWINI V
1. Subject Teacher	2. Title of Project	3. Roll No.	USN 25V22AT044
4. Exam No.	5. Date	6. Semester	SUBJECT: FMV - VI
		7. Year	SEMESTER: 6 <sup>TH</sup>   A.Y. 2024-25
			SCHOOL OF ARCHITECTURE, SIT, TUMKURU

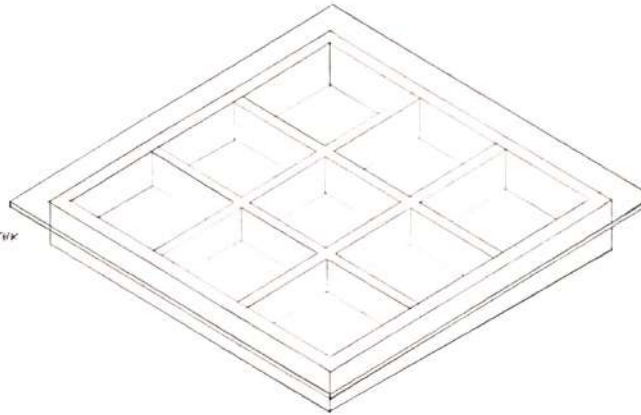
# CASE STUDY - SKYLIGHT [RESIDENCE]

- LOCATION - TUMKUR, KARNATAKA, INDIA
- SLOPE SKYLIGHT WITH WOODEN FRAME AND JALLI
- DIMENSION - 1.5M X 1.5M
- MATERIALS USED - WOOD, TOUGHENED GLASS

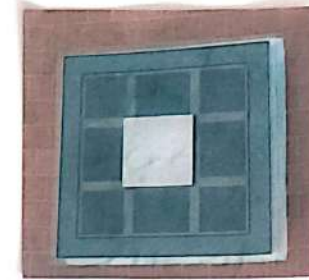


KEY PLAN  
SCALE - NTS

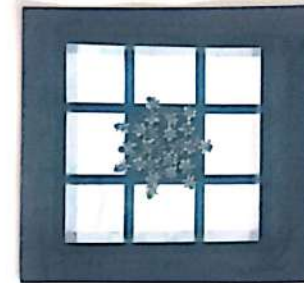
SKYLIGHT WITH WOODEN FRAME AND JALLI WITH 12MM THK 1.5M X 1.5M



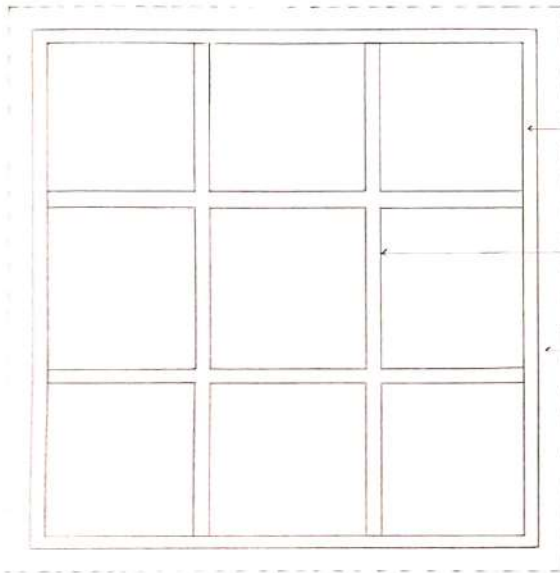
ISOMETRIC VIEW  
SCALE - NTS



EXTERIOR SKYLIGHT



INTERIOR VIEW OF THE SKYLIGHT

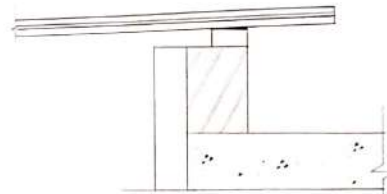


PLAN  
SCALE - NTS

WOOD 75mm THK FRAME

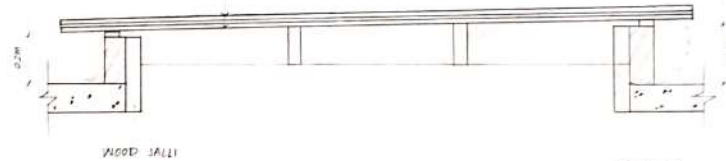
WOODEN JALLI 75mm THK

12mm THK GLASS



DETAIL AT A  
SCALE - NTS

12mm THK GLASS



WOOD JALLI

DETAIL B

SECTION  
SCALE - NTS



VIEW



# CASE STUDY - SKYLIGHT [RESIDENCE]

STUDY NO.	DATE	REMARKS	SHEET NO.	NAME
			09	TEJASWINI V
				USN 152247044
				SUBJECT BAC - V
				SEMESTER 5 <sup>TH</sup> AY 2024-25
				SCHOOL OF ARCHITECTURE, ST - TUMKUR, K.