



प्रसार भारती
Prasar Bharati
भारत का लोक सेवा प्रसारक
India's Public Service Broadcaster
कार्यालय: अपर महानिदेशक (अभि.) (उत्तरी क्षेत्र)
Office of the Additional Director General (E) (NZ)
आकाशवाणी एवं दूरदर्शन
Akashvani & Doordarshan
आठवां तल, सूचना भवन, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली 110003
8th floor, Soochna Bhawan, CGO Complex, New Delhi-110003



सत्यम् शिवम् सुन्दरम्

AIR-Co/Agra/2V/3/2025-26/Instt./(False Ceiling of studios)

Dated: 06.05.2025

Subject: Providing, fabrication & fixing of acoustic treated false ceiling of Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area including dismantling of A/T material of existing technical area at Akashvani Agra (UP).

1. The budgetary quotation & drawings of the upcoming bid is enclosed herewith to offer comments, if any by prospective bidders/firms.
2. Bidders/firms are requested to provide information about content in respect of scope along with budgetary quote.
3. Bidders/firms may please submit the above detail on or before due date by e-mail to alekhgupta@prasarbharati.gov.in or at following address.

Alekh Gupta
Assistant Director (Engg.)
O/o ADG (E)(NZ)
Akashvani & Doordarshan,
8th floor, CGO Complex,
Soochna Bhawan, New Delhi-110003
Mobile No.: 8077855367
e-mail id: alekhgupta@prasarbharati.gov.in

Budgetary Quotation for: Providing, fabrication & fixing of acoustic treated false ceiling of Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area including dismantling of A/T material of existing technical area at Akashvani Agra (UP).

Due Date to offer Comments: 20.05.2025

Enclosed:

1. Budgetary Quotation form & drawings of the upcoming bid is enclosed herewith to offer comments, if any by prospective bidders/firms.

Alekh
06.05.2025

**Assistant Director (Engg.)
For Additional Director General (E) (NZ)**

आलेख गुप्ता / Alekh Gupta
सहायक निदेशक (अभियंत्रिकी) / Assistant Director (Engineering)



AIR-Co/Agra/2V/3/2025-26/Instt./(False Ceiling of studios)

Dated: 06.05.2025

Budgetary Quotation Form

Project: Refurbishing of studios under the component face-lift of DD/AIR Channels under project mode at Akashvani Agra (UP).

Subject: Providing, fabrication & fixing of acoustic treated false ceiling of Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area including dismantling of A/T material of existing technical area at Akashvani Agra (UP).

Last date of receipt of budgetary quotation in this office: 20.05.2025 upto 12:00Hrs.

Please read carefully the terms and conditions given the enquiry quotation form.

S.No.	Description	Qty	Rates	Amount
1.	Dismantling of old worn out false ceiling material of Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area shifting & disposal of dismantled debris material from the outside of the office premises.Total area- 151 Sqmtr	1 Job		
2.	Providing, fabrication and fixing of false ceiling's facing material in Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area at Akashvani Agra (UP) as per drawing SG=10150 and 10178/4 Description of scope as per measurement taken at site: a) Providing, fabrication and fixing of 12mm thick plain insulation board as per drawing. b) Providing, fabrication and fixing of absorbing acoustic material glass wool pads covered with tissue paper inside the wood frame as per drawing. c) Providing, fabrication and fixing of 12.5mm thick acoustic facing material fully perforated gypsum tiles (600mm x 600mm) as per drawing. d) Providing, fabrication and fixing of 2"x2" wooden cedar/teak wood cover beading at all the corners, joints and edges as per site. e) Providing of 600mm x 600mm hinged flap flushed doors and fixing it on the ceiling in Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area at Akashvani Agra (UP)	151 Sq.mtr		
3.	Providing of 600mm x 600mm hinged flap flushed doors and fixing it on the ceiling of studios as per requirement of site at Akashvani Agra (UP).	06 Nos.		
4.	Providing & applying of 125mm x 125mm x 12mm Gypsum cornice as per approved profile at all around false ceiling in Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area at Akashvani Agra (UP).	100 R.mtr		
5.	Fixing of 2ft x 2ft recessed mounted LED light fixtures, space shall be provided in ceiling equal to the size of light fixtures as per respective layout drawings with supply of 1.5 Sq. mm multistrand single core copper cable 05 Rolls (100mtr each) with complete laying & wiring from electrical board to 2ft x 2ft recessed mounted LED light fixtures and make them ready to use in Studios &technical area at Akashvani Agra(UP).	20Nos.		
	Important Note:- (Must read carefully) - Drawings are provided for guidance of bidder. - AkashwaniAgra is a running station of AIR and studios and other technical area are available only during non working hours of station which may be in night time also. There will be limited working hours based on availability of concern studios. - Working hours shall be decided by engineering head. - All above shall be carried out and completed strictly as per respective drawings. - Minor materials like screw of various sizes nails of appropriate size, all adhesives as per requirements of standard quality has to be provide by the tenderer. - Hardware material such as fasteners, hanging rods, gypsum screws, steel screws, nails, slotted angle, fevicol, tissue paper, etc. Required for completion of above is to be provided/supplied by the bidder. - All required wooden material should be water proof & termite proof and should be of reputed brand. - As the required scope is to be carried out in the running station the all job are required to be done in coordination with the station authorities. Total working hours per day shall be decided on the availability of the studios. - The bidder must be experienced in same kind of scope & shall submit documentary proof of same. - Above complete scope will be carried out in presence of authorized representative of this office.			
	Total			
	GST@			
	Grand Total			

Note:

- Scope of the order shall be as defined in the order, specifications, drawings and Appendices there to.
- Completeness of the equipment shall be the responsibility of the supplier/contractor. Any equipment, fittings and accessories, which may not be specifically mentioned in the specification or drawing(s) but which are usual or necessary for the satisfactory functioning of the equipment (successful operation and functioning of the equipment being supplier's/contractor's responsibility) shall be provided by the supplier/contractor without any extra cost.
- The supplier/contractor shall follow the best modern practice in the manufacture of high gradeequipment not-withstanding any omission in that, the supplier/contractor shall in all respect design, engineer, manufacture, and supply the same within delivery period to the entire satisfaction of the organization.
- The scope of current bid/tender is providing, fabrication & fixing of acoustic treated false ceiling of Talk Studio, Transmission studio, Dubbing room, Music Studio and other technical area including dismantling of A/T material of existing technical area as per BOQ at Akashvani Agra (UP).
- Details standard drawings have been provided with tender for guidance of bidder. Bidder shall require visiting the site for understanding the clear requirement of scope before submitting the offer.
- The design life of product offered for various acoustic treated wall paneling including wainscot and acoustic treated false ceiling should be 25 years.
- Detailed BOQ and material specifications shall be submitted along with make, model (if applicable) of all the materials including technical leaflets of OEM as per the offered design. The NRC value of all applicable products shall be mentioned.
- Detailed specifications shall be submitted as per scope.
- Experience details of similar scope executed during last seven years shall be submitted as per general terms and condition of contract.
- Time of execution as per permission of engineer incharge at Akashvani Agra (UP).
- The bidder must be experienced in same kind of scope & shall submit documentary evidence with offer. The completion certificate is also to be attached issued by any Central and State Government agency, PSUs, Private organizations.
(In case of SITC/SETC and specialized scope, the contractor should also have sufficient experience and shall submit the experience certificate of satisfactory completion of at least three similar works, each of value not less than 40% of the estimated cost put to tender or two similar works, each of value not less than 60% of the estimated cost or one similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure, in the last 7 years ending on the last day of the month previous to the one in which the tenders are invited").Execution of scope has to be completed without break in service at Akashvani Agra (UP).
- Before submitting the offer tenderer must visit site and with prior permission of the site in-charge and submit confirmation of site visit. Technical details will be provided by In-charge of Site/I.O.
- The firm has to produce a list all such labour along with the address proof which are to be employed office on signing contract. The firm shall issue the identity cards to all such persons to facilitate the entry in at Akashvani Agra(UP).
- Inspection will be carried out preferably in presence of authorized representative of O/o ADG(E) (NZ), AIR & DD, 8th floor, Soochna Bhawan, CGO Complex, New Delhi-110003.
- Any damage or misplace in equipment will have to be provided by the firm during execution.

- 1) Quantity of Material & Scope may increase or decrease as per actual requirement/constraints at site.
- 2) Please read carefully the terms and conditions given in this quotation form.
- a) GSTIN No: b) PAN No.....
- 3) **Delivery at:** Refurbishing of studios at Akashvani Agra (UP).
- 4) **Consignee:** Installation officer, Akashvani Agra (UP).
- 5) **Completion Period:** Execution/Completion of scope in good condition within 90days from the date of order.
- 6) **Validity:** 120days
- 7) **Payment terms:**
 - 97% Payment on completion/execution of scope in good condition at site.
 - Balance payment of 03% will be paid after guarantee/warranty period of one year. However payment can be released against FDR/Account Payee Demand Draft/Banker's Cheque of equivalent amount in favour of Chief Engineer (NZ), AIR & DD, New Delhi valid for guarantee period at least.
- 8) **Performance Guarantee/Security Deposit:**
 - The firm/contractor should submit performance guarantee/security deposit in the form of FDR from a schedule commercial bank valid for one year in favour of Chief Engineer (NZ), AIR & DD, New Delhi.
 - The Performance Guarantee/Security Deposit shall be 03% of cost of the order/contract value.
 - For release of security deposit/performance security, the firm will submit his claim along with a certificate from the ultimate consignee that equipment supplied/SITC executed against this order has performed satisfactorily during its warranty/guarantee period and department have not suffered any loss/inconvenience on this account.
- 9) **Declaration:** We declare that all the conditions as given in the quotation form have been read by us.

Name (in capital)_____
(Seal &Signature of the Bidder)

[illegible]

SUBSCRIPT	DESCRIPTION OF ABSORBING MATERIAL	REMARKS
0	NO ABSORBING MATERIAL	
1	12mm TH. INSULATION BOARD ALONGWITH HARD SURFACE (WALL OR PARTICLE BOARD)	
2	12mm TH. INSULATION BOARD JUST BEHIND THE FACING MATERIAL	
3	75mm MINERAL WOOL JUST BEHIND THE FACING MATERIAL	
4	75mm MINERAL WOOL ALONGWITH HARD SURFACE (WALL OR PARTICLE BOARD)	
5	50mm MINERAL WOOL	

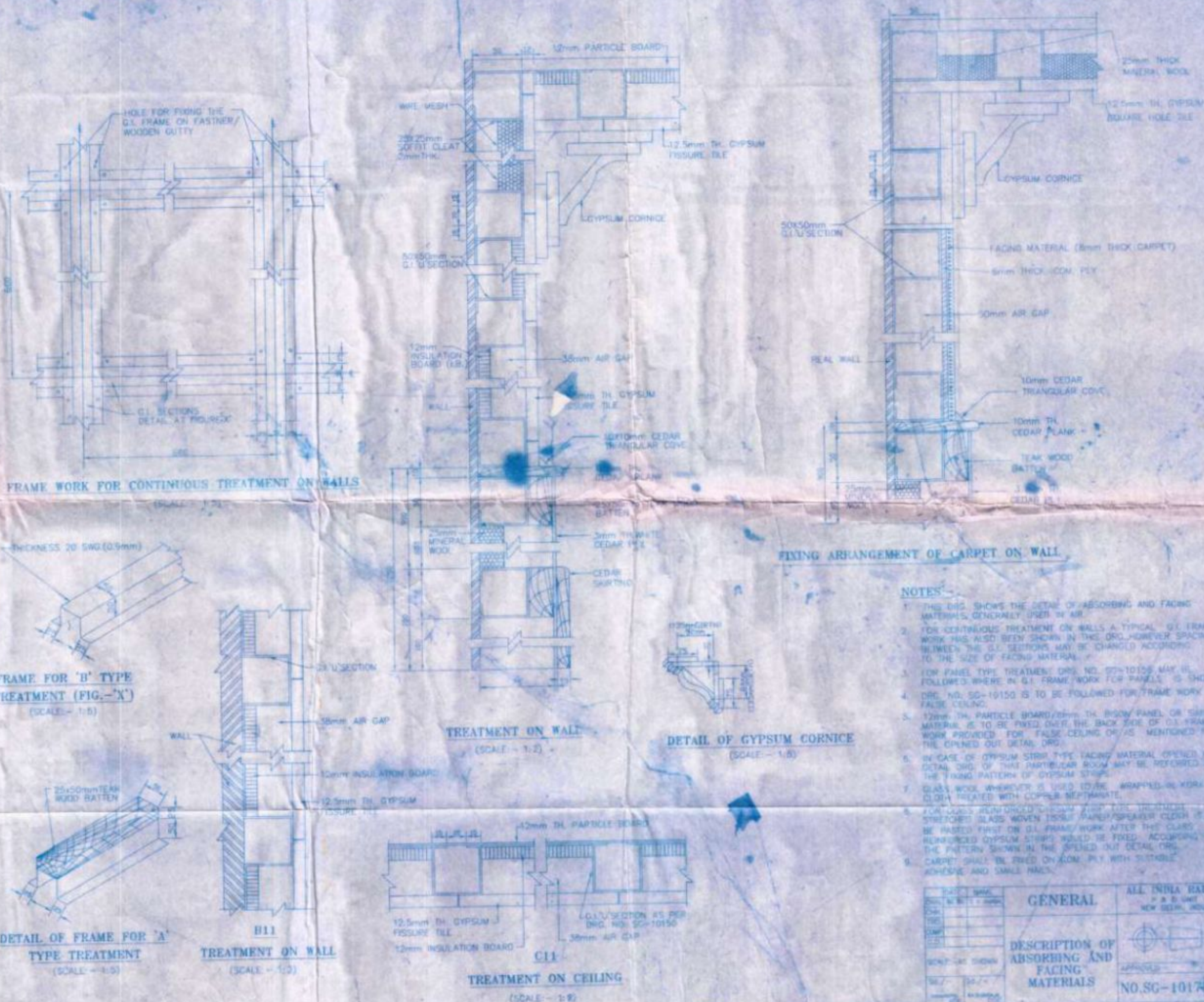
SUBSCRIPT	DESCRIPTION OF FINISH MATERIAL	REMARKS
1	OSB PLY	
2	12.5mm TH GYPSUM FINISH TILE	
3	12.5mm TH FULLY PERFORATED GYPSUM TILE	
4	12.5mm TH GLASS REINFORCED GYPSUM STRIPS 50mm WIDE, 10mm GAP BETWEEN AND STRIPS	
5	5mm TH EARTH FILL OVER 12mm TH PANKLE BOARD	
6	PLAIN GYPSUM BOARD	
7	SCULPTURED GYPSUM BOARD	
8	12.5mm TH GYPSUM SLIT TILE	
9	8mm TH CARPET SUPPORTED WITH 5mm GOMM PLY	

EXAMPLE:-

B11

12.5mm TH. GYPSUM (FISURE) TILE
(FACING MATERIAL FROM TABLE-2)
12mm TH. INSULATION BOARD ALONGWITH HARD SURFACE
(WALL OR PARTICLE BOARD)
(ABSORBING MATERIAL FROM TABLE-1)
MATERIAL ON WALLS

PG. NO. SG-10178/4

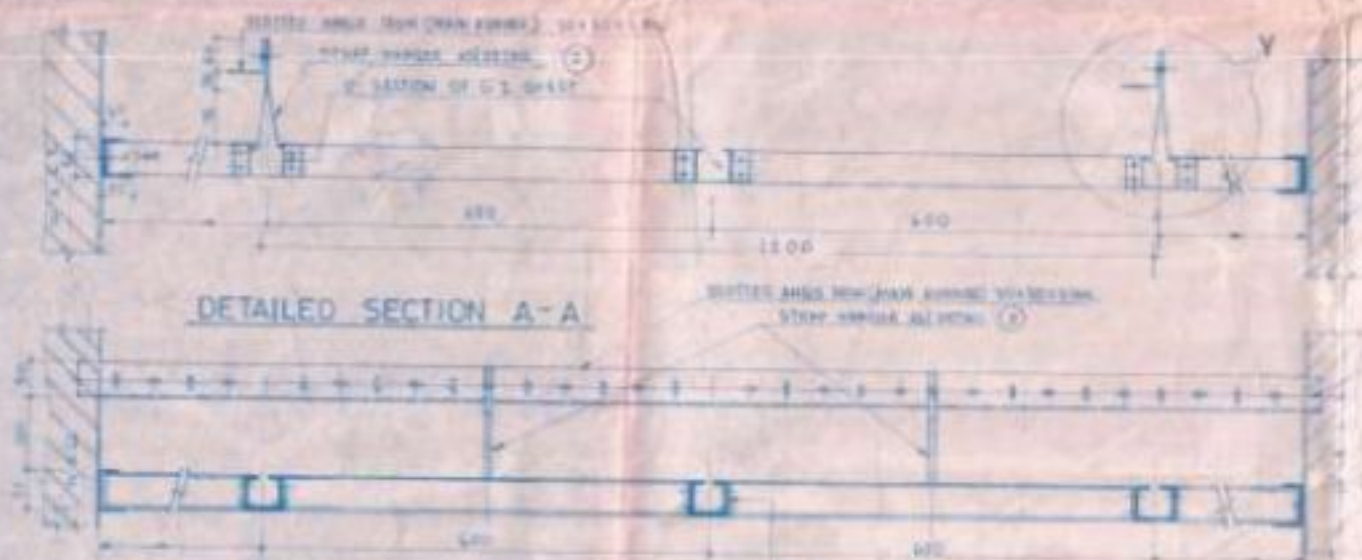
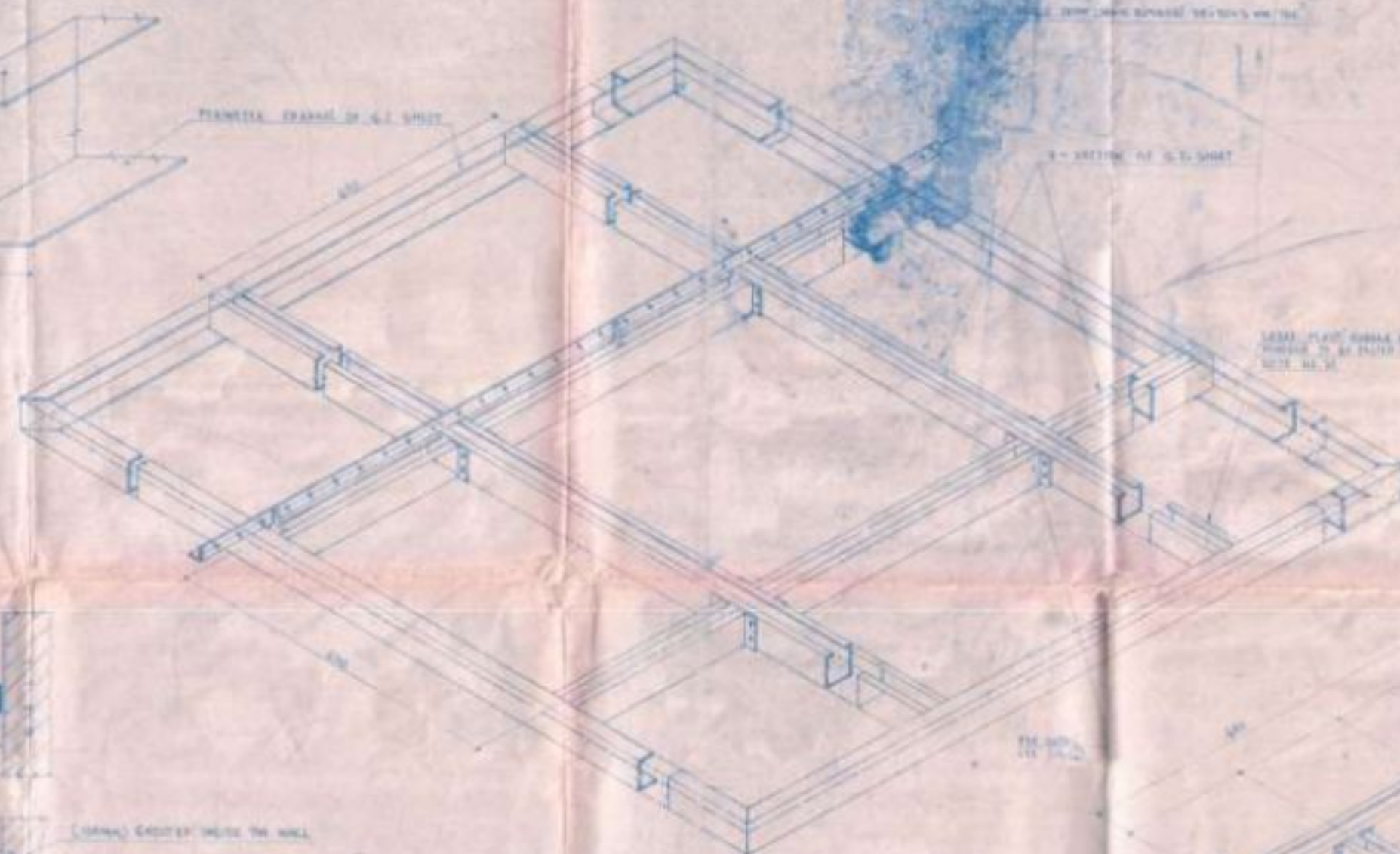
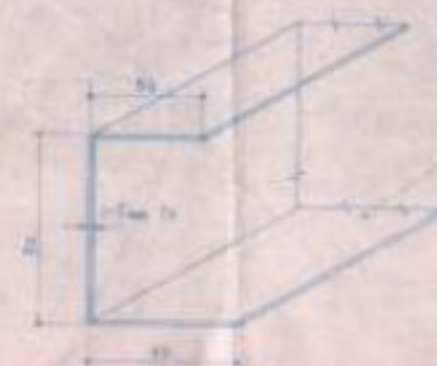
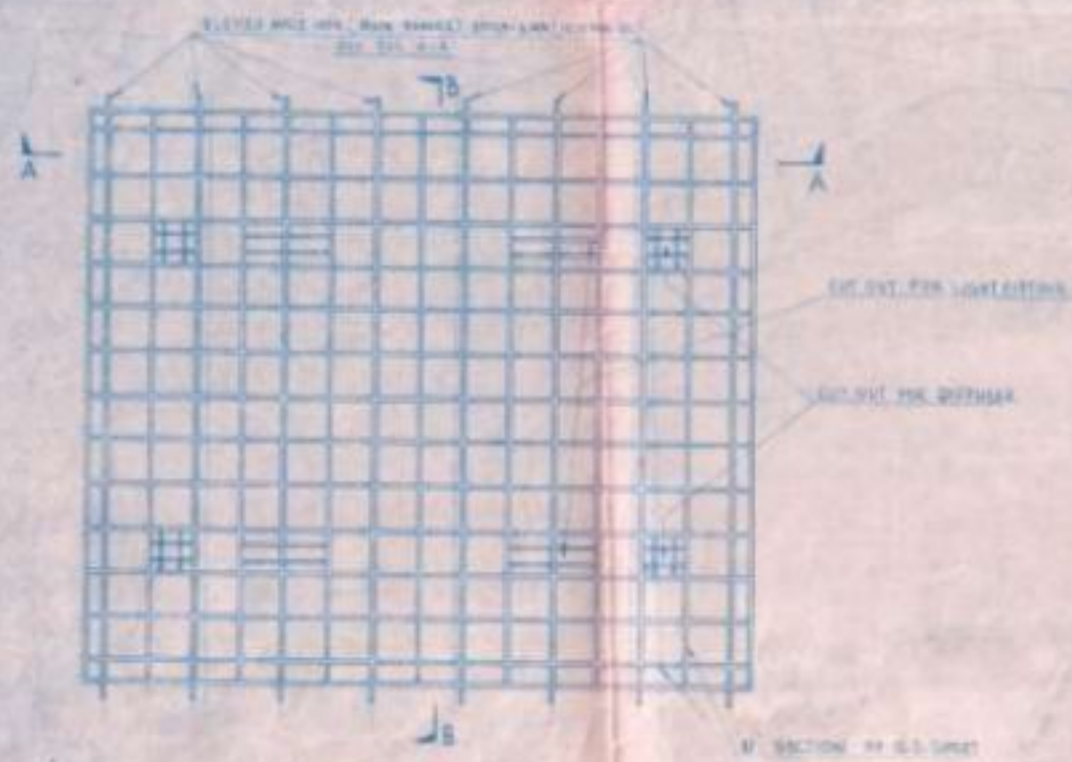


NOTES

1. THIS DRC. SHOWS THE DETAIL OF ABSORBING AND FACING MATERIALS, GENERALLY USED IN AIR.
2. FOR CONTINUOUS TREATMENT ON WALLS A TYPICAL G.I. FRAME WORK HAS ALSO BEEN SHOWN IN THIS DRC. HOWEVER SPACING BETWEEN THE G.I. SECTIONS MAY BE CHANGED ACCORDING TO THE SIZE OF FACING MATERIAL.
3. FOR PANEL TYPE TREATMENT DRC. NO. 577-10156 MAY BE FOLLOWED WHERE IN G.I. FRAME WORK FOR PANELS IS SHOWN.
4. DRC. NO. 577-10150 IS TO BE FOLLOWED FOR FRAME WORK OF FALSE CEILING.
5. 12MM. TH. PARTICLE BOARD/3MM. TH. BISON PANEL OR SIMILAR MATERIAL IS TO BE FIXED OVER THE BACK SIDE OF G.I. FRAME WORK PROVIDED FOR FALSE CEILING OR AS MENTIONED IN THE OPENED OUT DETAIL DRC.
6. IN CASE OF OYPSUM STRIP TYPE FACING MATERIAL OPENED OUT DETAIL DRC. OF THAT PARTICULAR ROOM MAY BE REFERRED FOR THE FIXING PATTERN OF OYPSUM STRIPS.
7. GLASS WOOL WHEREVER IS USED TO BE WRAPPED IN KORK CLOTH TREATED WITH COPPER NAPHTHATE.
8. FOR GLASS REINFORCED OYPSUM STRIP TYPE TREATMENT STRETCHED GLASS WOVEN TISSUE PAPER/SPRAYER CLOTH IS TO BE PASTED FIRST ON G.I. FRAME WORK AFTER THE GLASS REINFORCED OYPSUM STRIPS WOULD BE FIXED ACCORDING TO THE PATTERN SHOWN IN THE OPENED OUT DETAIL DRC.
9. CARPET SHALL BE LAYED ON XLAM PLY WITH SUITABLE ADHESIVE AND SMALL NAILS.

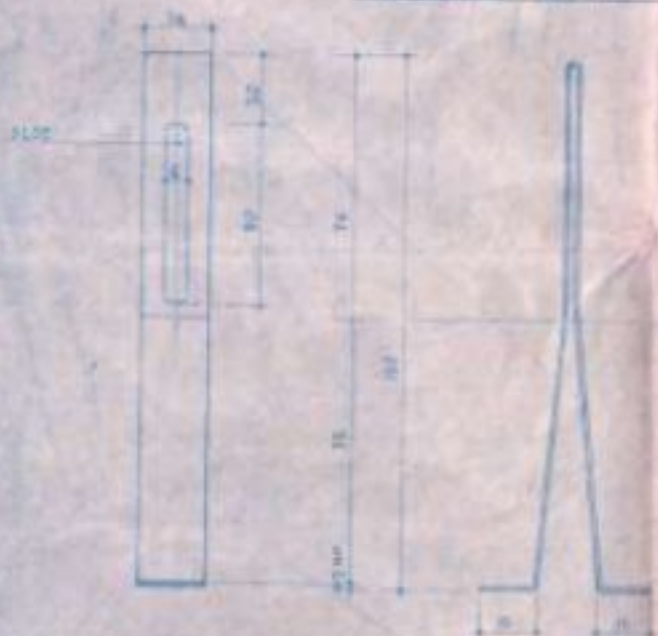
<table border="1"> <tr> <td>DATE</td> <td>SPIN</td> </tr> <tr> <td>NO.</td> <td>1</td> </tr> <tr> <td>CH</td> <td></td> </tr> <tr> <td>CH</td> <td></td> </tr> <tr> <td>CH</td> <td></td> </tr> <tr> <td>CH</td> <td></td> </tr> </table>	DATE	SPIN	NO.	1	CH		CH		CH		CH		GENERAL DESCRIPTION OF ABSORBING AND FACING MATERIALS	ALL INDIA RADIO - 20 UNIT NEW DELHI, INDIA  APPROVED NO. SC-10170
DATE	SPIN													
NO.	1													
CH														
CH														
CH														
CH														

CONSTRUCTIONAL DETAILS OF METALLIC FRAME STRUCTURE FOR FALSE CEILING

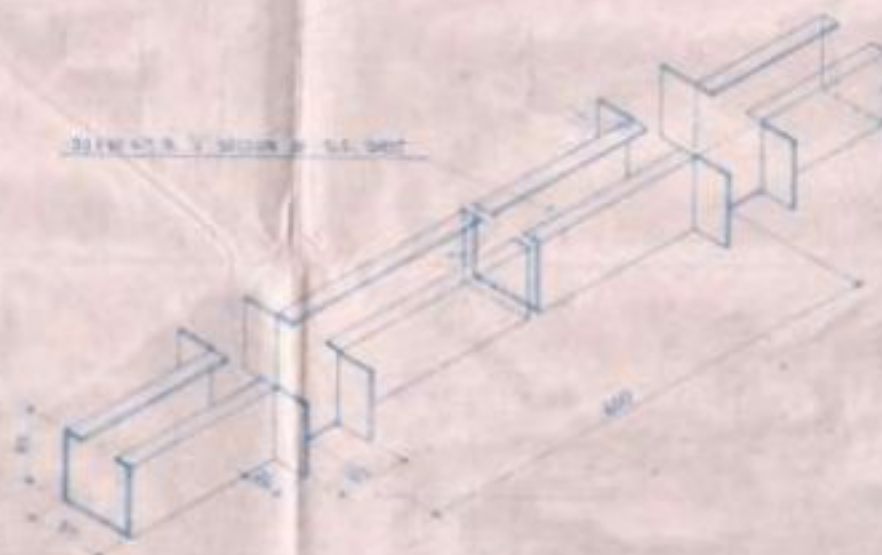


ISOMETRIC DETAIL OF FRAME STRUCTURE FOR FALSE CEILING

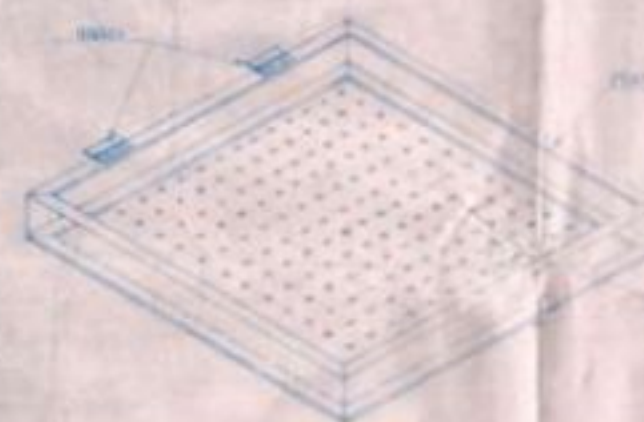
DETAILED SECTION B-B



DETAIL OF STRAP HANGER OF G.I. SHEET (2)



ISOMETRIC DETAIL OF METAL FRAME STRUCTURE FOR DIFFUSER



SELF TAPPING SCREW

HEAD OF THE SCREW

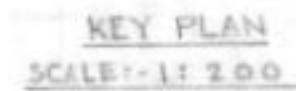
S.NO	DATE	BRIEF RECORD	INITIAL
1	24/11	TABLE ON FOUR PAGES	

NOTES

1. PERIMETER CHANNEL SHOULD BE FIXED TO WALL NOT LESS THAN 50 MM FROM WALL AT ROOM HEIGHT.
2. GUTTER/DRAIN PIPES SHOULD BE MOUNTED IN THE WALL AT A DISTANCE OF 50 MM THROUGHOUT THE LENGTH OF THE WALL.
3. FOR RECESSED TYPE LIGHT FITTING THE EXTRA 50 MM SHOULD BE USED. ALONGSIDE THE LENGTH OF THE FITTING THE DISTANCE BETWEEN LIGHT FITTING SHOULD BE EQUAL TO THE WIDTH OF THE FITTING (SEE FIG. I).
4. FOR RECESSED TYPE LIGHT FITTING ONLY 50 MM SHOULD BE CUT. THE WALL CHANNEL SHOULD NOTING BE CUT.
5. LIGHT FITTING IN THE FRAME SHOULD BE MOUNTED 50 MM FROM WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
6. THE CHANNEL SHOULD BE FIXED WITH 50 MM FROM WALL.
7. THE CHANNEL SHOULD BE MOUNTED AT LEAST 50 MM FROM WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
8. THE TYPE OF CHANNEL SHOULD BE 1.5 TO 2.0 FOR BE FIXED WITH THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
9. THE HEADS OF THE SCREWS USED FOR MOUNTING THE CHANNEL SHOULD BE COVERED WITH PUTTY. THE PUTTY SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
10. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
11. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
12. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
13. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
14. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.
15. THE CHANNEL SHOULD BE 50 MM FROM THE WALL. THE DISTANCE BETWEEN THE WALL SHOULD BE 50 MM FROM THE WALL.

DATE	REVISION	REMARKS	BY	CHKD
24/11	1	CONSTRUCTIONAL DETAILS OF METALLIC FRAME STRUCTURE FOR FALSE CEILING	ASPER	DRG. NO. 06-1050

NO.	DATE	ZONE	BRIEF RECORD	INITIAL



ACOUSTIC TREATMENT			
NAME	TREATMENT	SYMBOL	AREA IN SQ. M.
CEILING	12MM THICK PERFOTILES BEVEL EDGED	(C)	
WALLS	3MM T.P + 50MM AG + 25MM M.W + 3MM COM. PLY	(P ₆)	
	5MM PHE + 50MM M.W + 3MM COM. PLY	(P ₁)	
FLOORING	MARBLEX		

LEGEND		SYMBOL
S.NO	DESCRIPTION	
1	SKIRTING	
2	50 MM X 50 MM TEAK OR DEODAR WOOD BATTEN	
3	75 MM X 50 MM " " " " " "	
4	75 MM X 25 MM " " " " " "	
5	1.5 MM X 100 MM SAL WOOD BEAM	
6	TEAK PLY FACING (Po TYPE PANEL < 6 LFA)	
7	PIN-B FACING (Pi TYPE PANEL)	



(LOCATION OF FLAP DOOR MAY BE DECIDED AT SITE)

CONSTRUCTIONAL DETAILS OF FALSE CEILING

COLOUR/ FINISHES	
PERFORATED HARD BOARD AND HARD BOARD FACING	FLAT OIL PAINT IVORY SHADE (COLOUR NO.352 OF 15-5-1978)
BARE WALL	OIL BOUND DISTEMPER IVORY SHADE (COLOUR NO.352 OF 15-5-1978)
TEAK PLY FACING	FRENCH POLISH TEAK SHADE
TEAK WOOD SKIRTING	DO
TEAK WOOD MOULDING	FLAT OIL PAINT IVORY SHADE (NO.352)
SW. FACE PLATE	INDUSTRIAL LAMINATE TO MATCH BACK GROUND
SP. DOOR	OUTSIDE
	INSIDE
CEILING DIFFUSER/GRILLE	DECORATIVE INDUSTRIAL LAMINATE TEAK SHADE
FLOORING	TEAK PLY FRENCH POLISHED
PERFOTILES	FIRST QUALITY ENAMEL PAINT (IVORY SHADE)
	MARBLEX TILES OCEAN BLUE
	DRY DISTEMPER IVORY SHADE COLOUR NO.352 OF 15-5-1978

SYMBOLS & DETAILS WITH RELEVANT CONSTRUCTION DRG.		
SYMBOL	DETAILS	DRG. NO.
SK	150MM TEAK WOOD SKIRTING	
SDP	SOUND PROOF DOOR	SG-100004
DS	DIFFUSER (SUPPLY)	SG-10009
DR	DIFFUSER (RETURN)	SG-10030
EL	CLOCK WITH CENTRE SECOND (300MM) QUARTZ CONTROLLED	SG-10049
C	COVE MOULDINGS AROUND EDGES	
LF	LIGHT FITTINGS DECORATIVE TYPE WITH PRISMATIC LOUVRES AT THE BOTTOM (2X40 W. FLOURE SCRT)	
PP	POWER POINT	
SW	SWITCH	
LP	LIGHT POINT	
EP	EQUIPMENT POINT 3 PIN, 15AMP	
FD	FLAP DOOR HINGED (SIZE 600MM X 600MM OPEN UPWARD)	

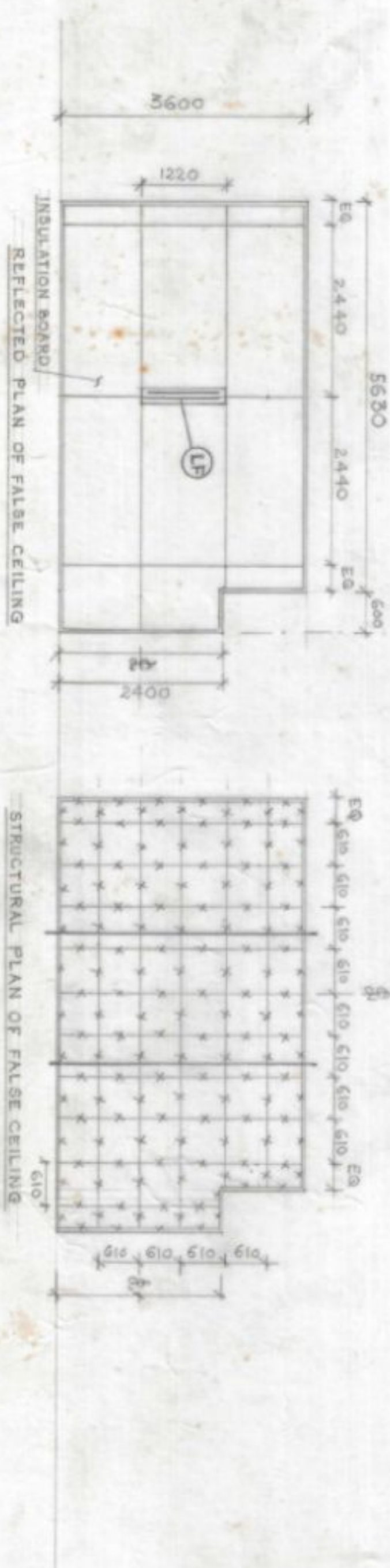
NOTES

1. GENERAL DRG. NO. 54-10060/1 MAY BE REFERED TO FOR SECTIONAL DETAILS OF CEILING TREATMENT.
2. THE SPACING OF CEILING BATTENS SHOWN IN THIS DRG IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZE OF MATERIAL AVAILABLE.
3. COVE IS TO BE FIXED TO COVER GAP BETWEEN PANEL AND WALL.
4. THE SKIRTING OF BLANK WALL SHALL BE FIXED OVER 15(D) X 50(W) BATTEN WORK FOR SKIRTING BELOW TREATED AREA DRG. NO 54-10060/1 MAY BE FOLLOWED.
5. FOR DETAILS OF ACOUSTIC PANELS REFER TO DRG. NO. 54- 9793.
6. THE ACOUSTIC PANEL SHALL BE FABRICATED ON THE FLOOR AND FIXED TO THE WALL WITH THE WOODEN GUTTIES AT FOUR PLACES ON EACH SIDE OF THE FRAME WORK.
7. PANNELLING OF SOUND PROOF DOOR OPENING ON THE CORRIDOR SIDE SHALL BE AS PER DRG. NO. 54-10060/9

FORESTIMATES ONLY

DATE	22-3-82	NAME	M. N. Nigam	TYPE-1 (R) STUDIOS	ALL INDIA RADIO
CHG				AGRA	P&D UNIT
TRD				OPENED OUT	NEW DELHI - INDIA
CONF				DETAILS OF	
C/D				EDITING/DUBBING	
SCALE	1-150			ROOM	APPROVED
					NO. SA9932

FALSE CEILING DETAILS OF CORRIDORS



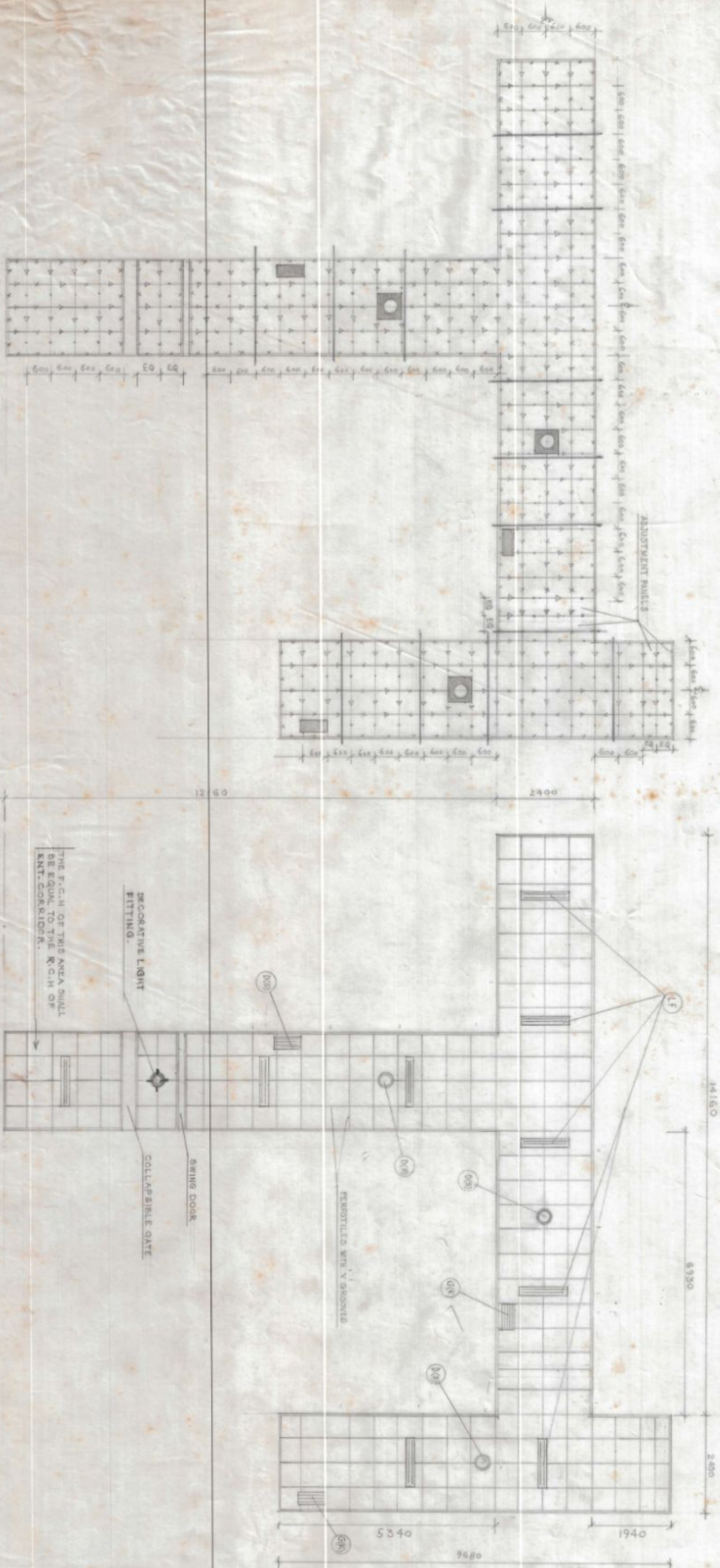
COLOUR / FINISH	FINISH
LOCATION	DRY DISTEMPER, IVORY SHADE (E.S. NO. 352)
CEILING	4.5 mm LINOLEUM SHEET, G. 3.5 ON M.C.C. FLOOR ONLY
FLOOR	DRY DISTEMPER, IVORY SHADE (E.S. NO. 352)
WALLS	FRENCH POLISH, TEAK SHADE.
SKETCHING	

C	CE HOLDINGS, AROUND THE EDELYN CORNER.	SG - 10351 DATE: 10.11
U	LIGHT FITTINGS	
06	INFUSER SUPPLY	SG - 10030
06	GRILLE RETURN	SG - 10010 (GR. REF.)
07	PERFORATE WITH SEAL, ENDS, 1000 x 400 x 10 mm	
07	BOX 600 mm FLAP DOOR TO GREENWATER.	

LEGEND	
1	75 X 25 MM TEAKWOOD BATTEN
2	75 X 50 mm "
3	50 X 50 mm "
4	125 X 100 mm SAIL OR SIMILAR 200 FT/LIN

† THE SIZING OF PATTERNS IN THIS DESIGN IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZES OF MATERIAL AVAILABLE.

- 2 HINGED FLAP DOOR (600 x 500 mm) PANELS MAY BE PROVIDED IN THE FALSE CEILING AT AIRPORT LOCATIONS.
- 3 SKATING SHALL BE PROVIDED IN ALL THOSE AREAS, WHERE LINOLEUM FLOORING IS PROVIDED.



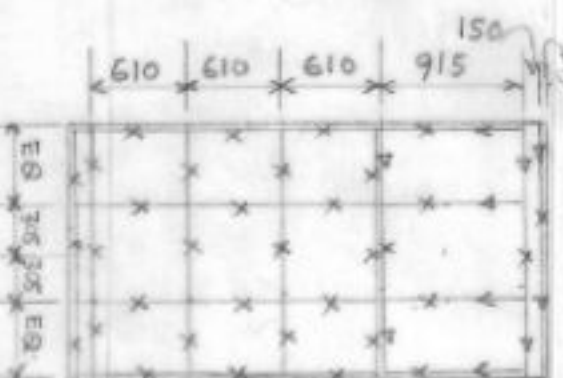
REFLECTED PLAN OF FALSE CEILING

DATE	TYPE OF STUDIES
EN	ALL INDIA ZOO
FR	PANAMA
CH	NEW DELHI ZOO A.A.
CO	
DE	
ES	
IT	
PT	
RU	
UK	
US	
Other	
PAUSE CHU NG NG DATA	
OF CORN DOME.	
SCALE - 1 : 50	
APPROVED-	
NO. SA-9735	

OPENED OUT DETAILS OF SOUND LOCK OF TALKS STUDIO



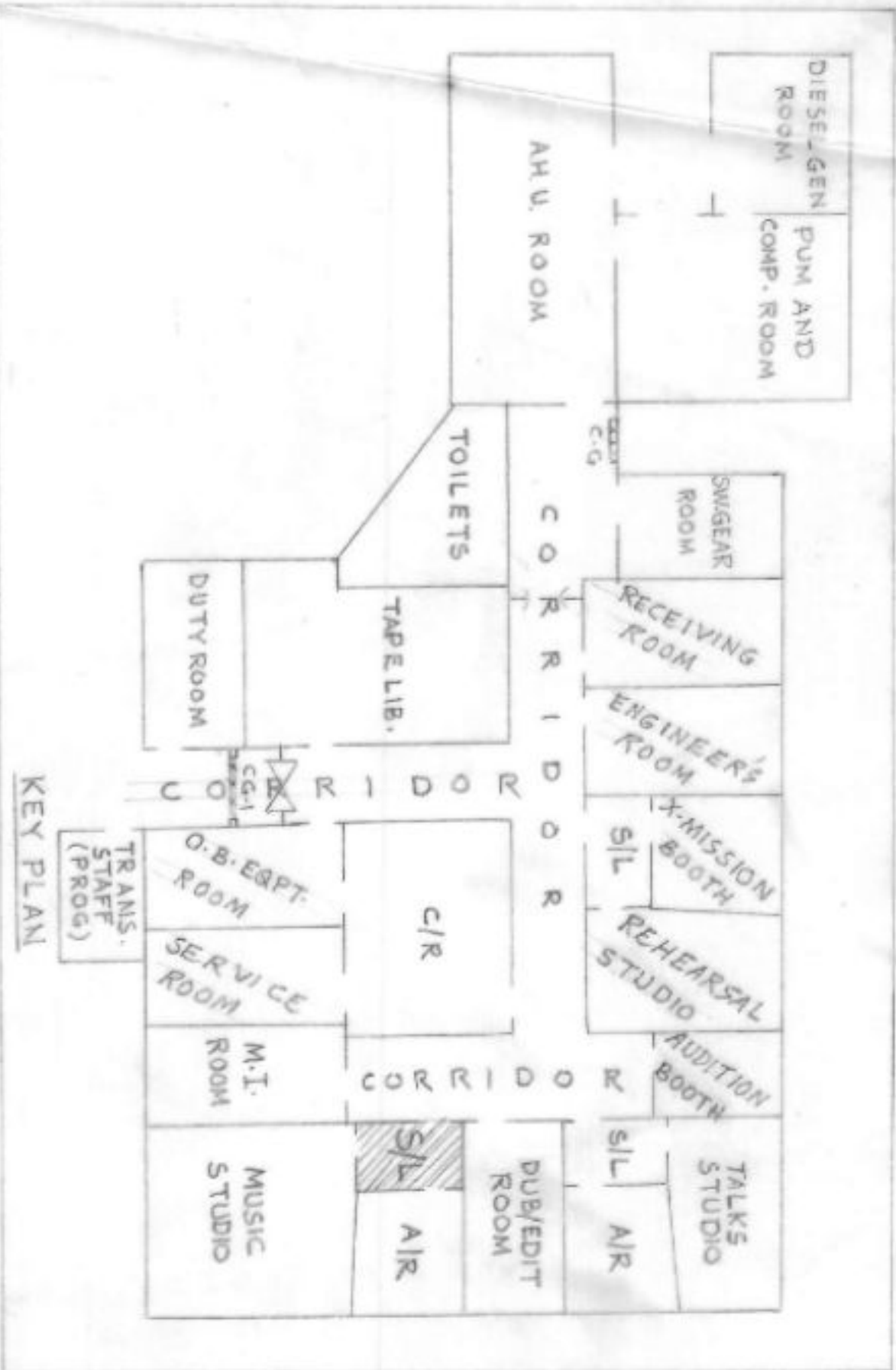
DRG.NO. SA-9924



DATE	NAME	TYPE (IR) STUDIOS
15-1-85	Rajwara	AGRA
CHD		
TRD		
COMP		
CD		
SCALE :- 1:50		OPENED OUT DETAILS OF SOUND LOCK OF TALKS STUDIO
APPROVED		NO SA-9924

TYPE-I(R) STUDIOS AGRA

OPENED OUT DETAILS OF SOUND LOCK OF MUSIC STUDIO

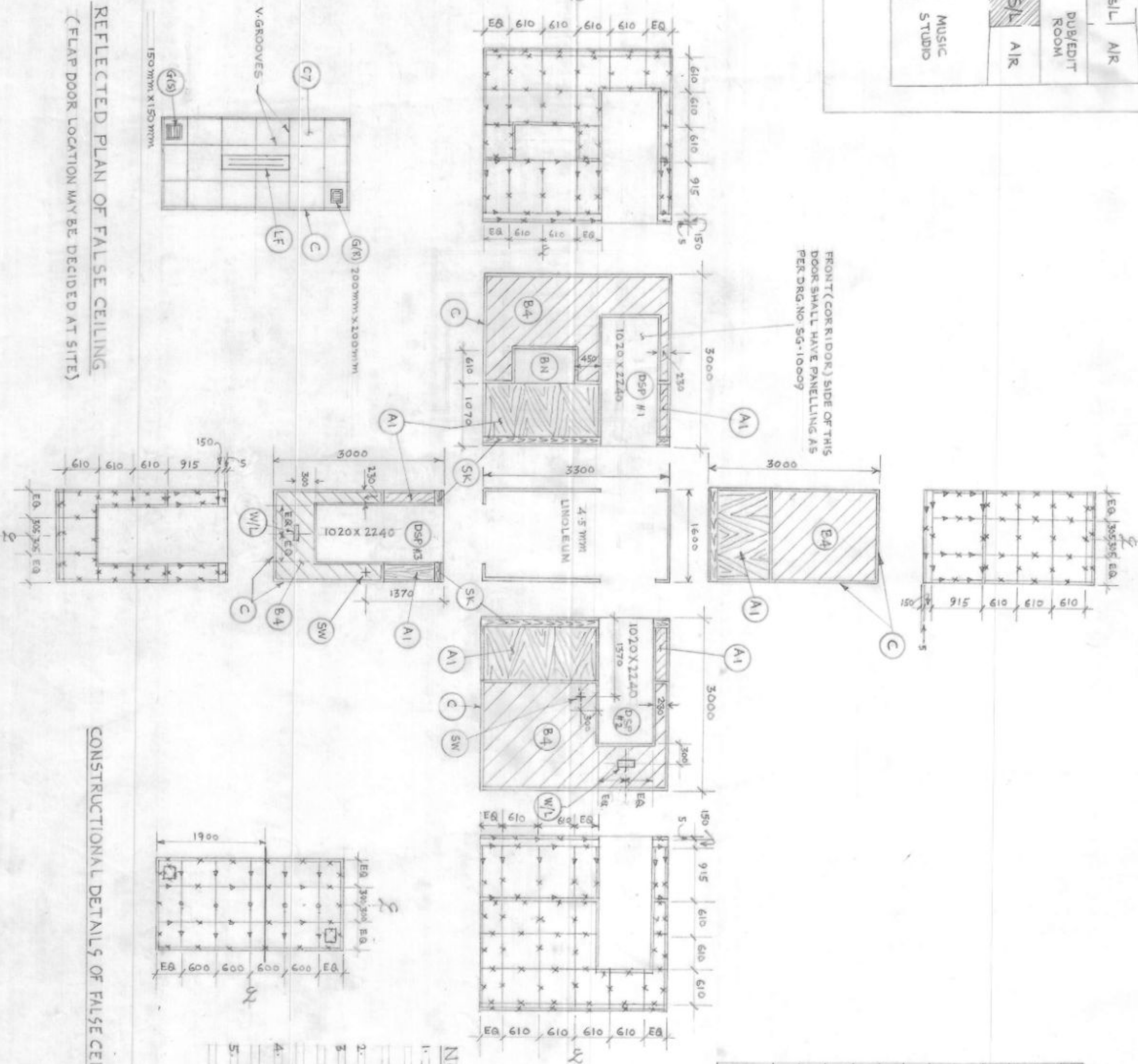


ACOUSTIC TREATMENT		
LOCATION	TREATMENT	SYMBOLS
CEILING	12MM TH. PERFORATES (BEVEL EDGED)	C7
WALLS	1) 37MM TEAK PLY+50MM AG+25MM M.W. 2) 57MM PHB+50MM M.W.	A1 B4
FLOOR	4.5 MM LINOLEUM	

COLOUR/FINISHES	
MATERIAL	FINISH
PERFORATED HARD BOARD	FLAT OIL PAINT, PALE CREAM/COL. NO. 352 OF IS:1-1978
BARE WALL	DIL BOUND DISTEMPER, PALE CREAM NO. 352 OF IS:1-1978
LINOLEUM 4.5MM	GJ-35
TEAK PLY FACING	FRENCH POLISH, TEAK SHADE
TEAK WOOD	QUARTZ WAINSCOT FRENCH POLISH, TEAK SHADE
MOULDING	FLAT OIL PAINT, PALE CREAM (NO 352 OF IS-5-78)
SKIRTING	FRENCH POLISH, TEAK SHADE
S.T. DOOR #1	OUTSIDE DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE
S.T. DOOR #23	INSIDE DO DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE
NICHE: SHUTTER FRAME	INSIDE DISCREETIVE TEAK PLY, FRENCH POLISHED
GRILLE (S) AND GRILLE (R)	FRENCH POLISH, TEAK SHADE
	ENAMEL PAINT (1ST QUALITY) PALE CREAM COL. NO. 352 OF IS:1-1978

LEGEND	
LEA: - LOW FREQUENCY ABSORBER	
PHB:- PERFORATED HARD BOARD FACING	
SK:- 150MM TEAK WOOD SKIRTING	
50MM X 50MM TEAK OR DEODAR WOOD BATTEN	
75MM X 25MM "	
100MM X 100MM SAL WOOD BEAM	

DRG. NO. SA-9927



SYMBOLS AND DETAILS WITH RELEVANT CONST. DRGS.			
SYMBOLS	DETAILS	DRG. NO.	REMARKS
SK	150MM TEAK WOOD SKIRTING	SG-10060	
DSP	SOUND PROOF DOOR	SG-10064, SG-10009	
GR	GRILLE (RETURN)	SG-10010	
GRS	GRILLE (SUPPLY)	SG-10010	
C	COVE MOULDING AROUND EDGES & CORNERS	SG-10061	
LF	LIGHT FITTINGS DECORATIVE TYPE (WITH PRISMATIC LOUVRES AT THE BOTTOM) 2x40 W		
SW	SWITCH		
W/L	WARNING LAMP		
PT	PERFORATES 12MM TH. (600 X 600MM) WITH BEVEL EDGES		
BN	BALLAST NICHE	SG-10005	
FP	FLAP DOOR OF SIZE 600 X 600 MM, TO OPEN UPWARDS		
MW	MINERAL WOOL		
AG	AIR GAP.		

NOTES:-

- CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10060/1
- PHB SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
- THE SPACING OF PATTERNS SHOWN IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE, DEPENDING UPON THE SIZES OF MATERIALS AVAILABLE.
- PHB SHALL BE OF NOT LESS THAN 7% OPEN AREA (BETWEEN 7% TO 9%)
- FOR LAYOUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SB-9875

FOR ESTIMATES ONLY

DATE	NAME	TYPE-I(R) STUDIOS	ALL INDIA RADIO
21-1-88	P. K. M. Singh	AGRA	P & D. UNIT
TED			NEW DELHI-INDIA
CD			
CDMP			
SCALE:- 1:150		OPENED OUT DETAILS OF SOUND LOCK OF MUSIC STUDIO	APPROVED
DATE	BY		
DATE	BY		

OPENED OUT DETAILS OF ANNEA/RROOM OF TALKSST.



ACOUSTIC DATA:-

PLANE	TREATMENT
-------	-----------

NAME	TREATMENT
------	-----------

S. NO	DESCRIPTION
-------	-------------

S.NO	DESCRIPTION
------	-------------



CONSTRUCTIONAL DETAILS OF FALSECEILING

1. FOR CONSTRUCTIONAL DETAILS OF PANELS REFER DRG. SA-9793.

- 3 THE PHB SHALL HAVE AN OPEN AREA OF 7-9 %.

SYMBOLS & DETAILS WITH RELEVANT CONST. DRG

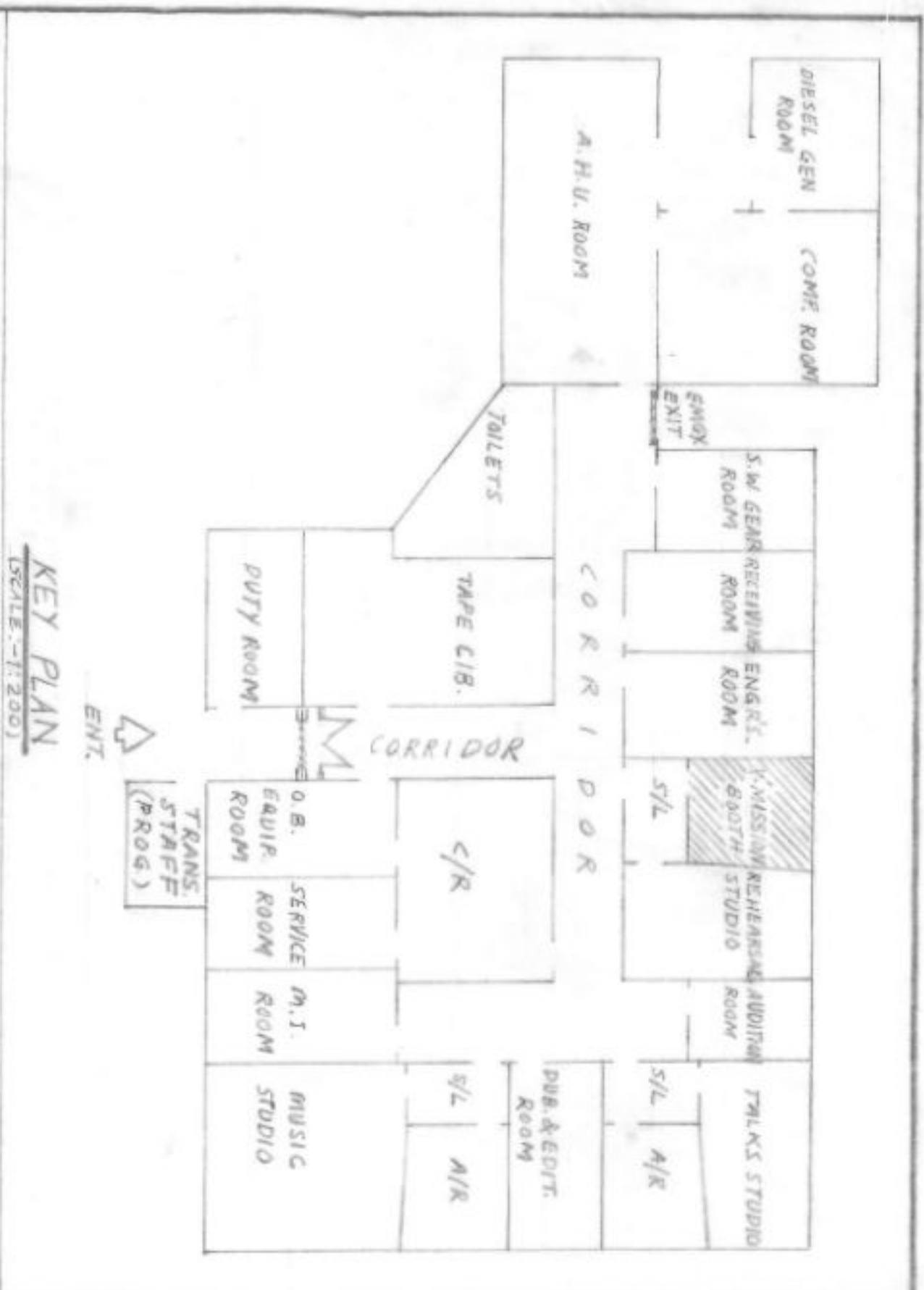
ABSTRACT

1994

DATE	NAME	TYPE-I(P)	STUDIOS
08/08/2023	Abhinav		

DATE	NAME	TYPE-I(R) STUDIOS
------	------	-------------------

TYPE-I(R) STUDIOS, AGRA
OPENED OUT DETAILS OF X-MISSION BOOTH



ACOUSTIC DATA:-

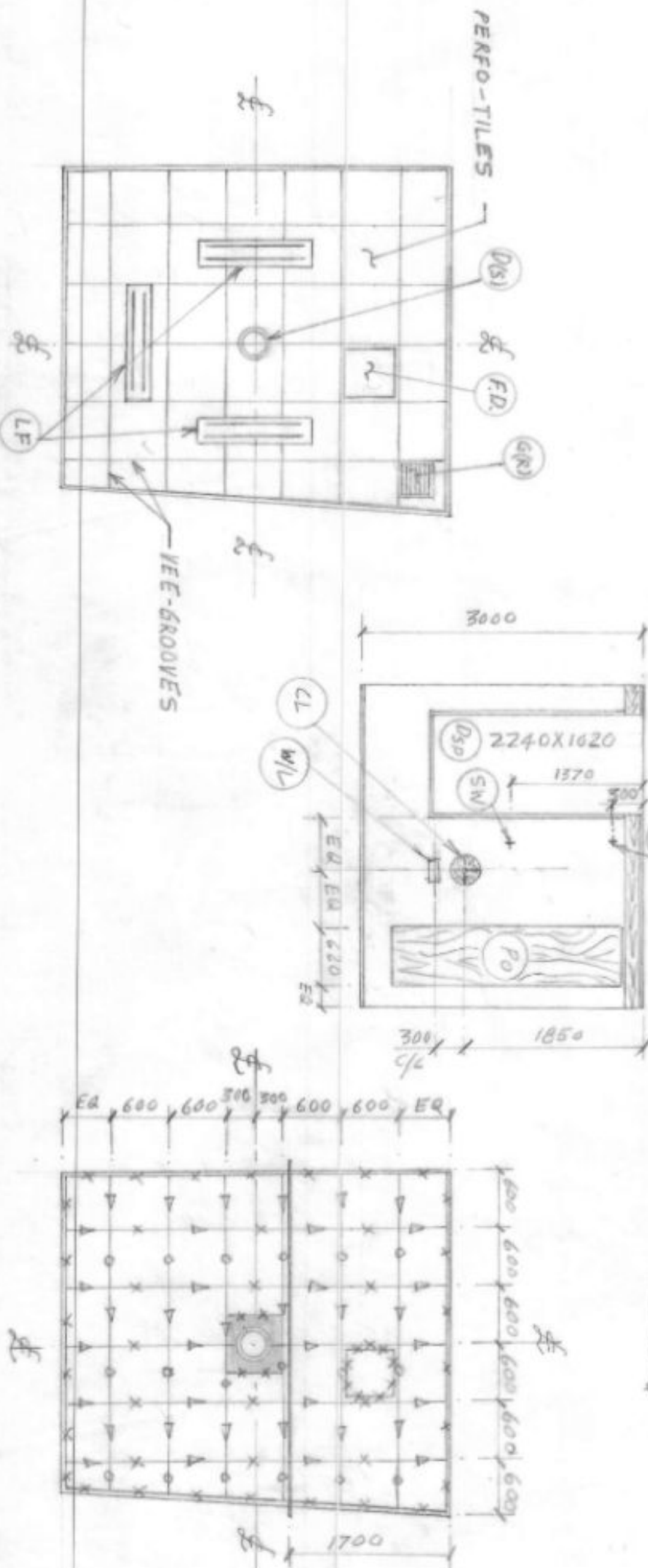
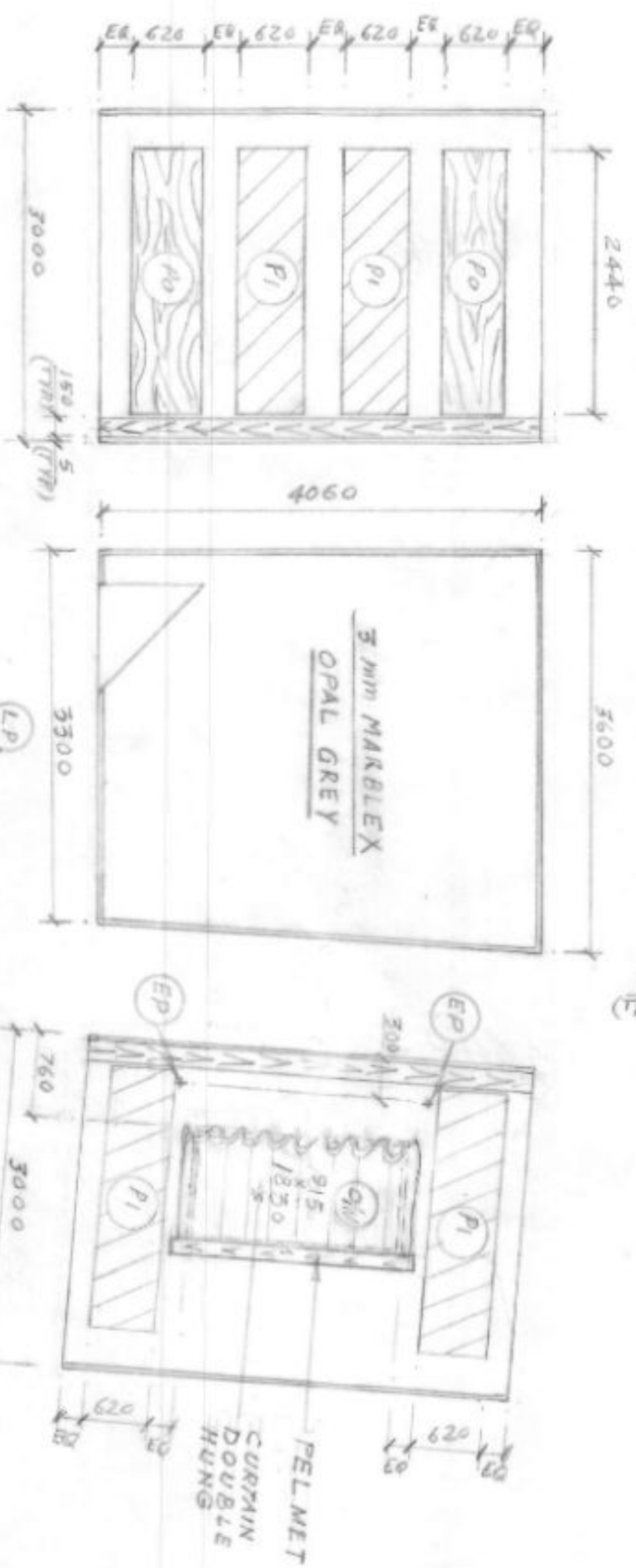
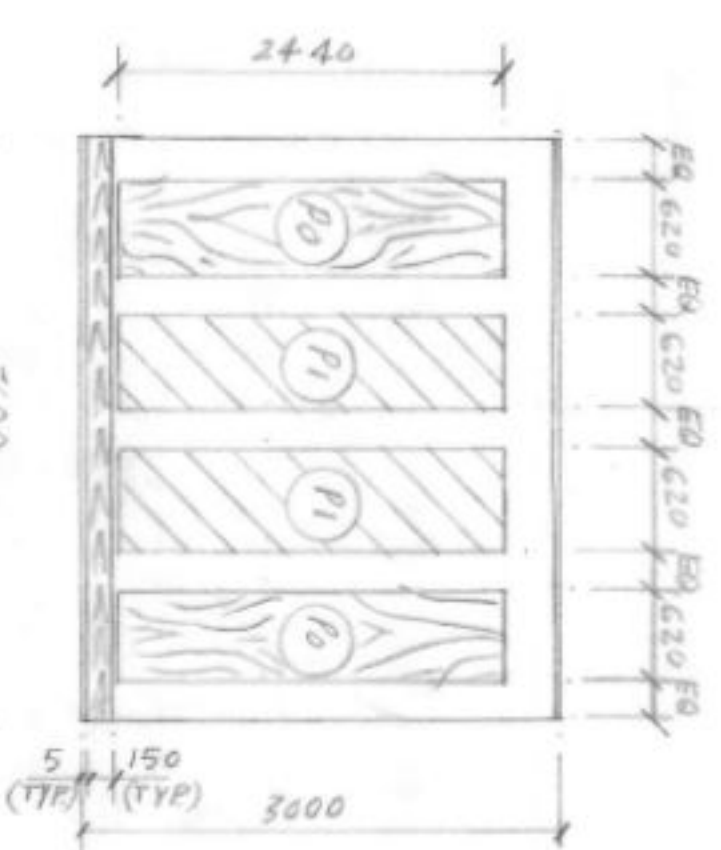
LOCATION	FREQUENCY IN HZ.	125	250	500	1K	2K	4K
OPTIMUM REV. TIME IN SECOND		.35	.35	.35	.35	.35	.35
X-MISSION BOOTH	CALCULATED	.33	.33	.33	.33	.33	.33
	MEASURED	.33	.33	.33	.33	.33	.33

ACOUSTIC TREATMENT:-

LOCATION	TREATMENT	SYMBOLS	AREA IN SQ. FT.
CEILING	12mm TH. PERFO.-TILES (BEVEL EDGED)	(C7)	151
WALL	1) 3mm T.P. + 50mm A.G. + 25mm M.W. + 3mm COMPLY 2) 3mm R.H.B. + 50mm M.W. + 3mm COMPLY	(P0) (P1)	80 96
FLOORING	3mm MARBLEX		151

SYMBOLS & DETAILS WITH RELEVANT CONSTN. DRGS.:-

SYMBOL	DETAILS	REF. DRG.	REMARKS
(SK)	150mm TEAK WOOD SKIRTING		
(P0)	SOUND PROOF DOOR	SG-10000	
(NM)	MINERAL WOOL		
(C)	COVE Moulding AROUND EDGES	SG-10061	
(SM)	SWITCH		
(CL)	CLOCK WITH CENTRE SECOND (ROOM) QUARTZ CONTROLLED		
(WL)	WARNING LAMP		
(DIB)	DIFFUSER (SUPPLY)	SG-10030	
(GN)	GRILLE (RETURN)	SG-10010	
(P0)	FLAP DOOR OF SIZE 600x600mm TO OPEN UPWARDS		
(LF)	LIGHT FITTINGS DECORATIVE TILE (WITH PRISMATIC LENSES AT THE BOTTOM) EXHIBIT FL.		
(PT)	PERFO.-TILES 12mm TH. (600x600mm) WITH BEVEL EDGES		
(LP)	LIGHT PINT, 3 PIN-5 AMP		
(EP)	EQUIPMENT PINT, 3 PIN-15 AMP		



COLOUR / FINISHES:-

MATERIAL	FINISH
PERFO.-TILES	DRY DISTEMPER, PALE, NO. 552 OF IS:5-1978
BARE WALL	OIL BOUND DISTEMPER, PALE, NO. 552 OF IS:5-1978
TEAK PLY FACING	FRENCH POLISH, TEAK SHADE
TEAK WOOD SKIRTING	— DO —
P.H.B. FACING	FLAT OIL PAINT, PALE CREAM; NO. 352 OF IS:5-1978
CEILING DIFFUSER / GRILLE	— DO —
S.P. DOOR	DECORATIVE TEAK PLY, FRENCH POLISH

LEGEND:-

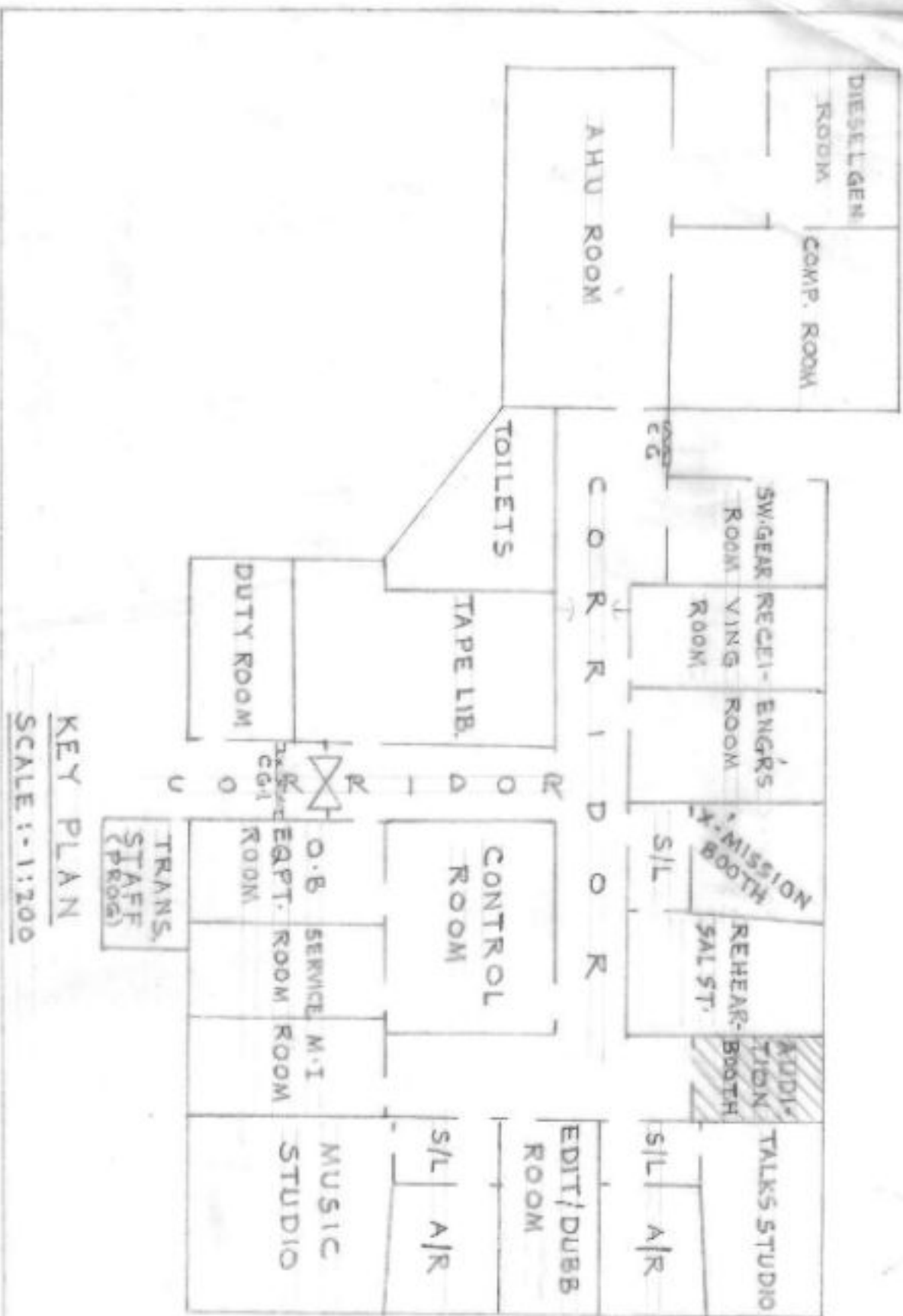
TEAK WOOD SKIRTING	50mm x 50mm TEAK WOOD BATTEN	75mm x 50mm	75mm x 25mm	125mm x 100mm SAL WOOD BEAM
--------------------	------------------------------	-------------	-------------	-----------------------------

- NOTES:-
- CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10060/1.
 - P.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
 - THE SPACING OF BATTENS IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZE OF MATERIALS AVAILABLE.
 - P.H.B. SHALL BE OF NOT LESS THAN 7% OPEN AREA BETWEEN 7% TO 9%.
 - FOR LAY-OUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SG-9875.
 - FOR INCLINATION OF (G/W) GLASS PLATES REFER RELEVANT DRG.

DRG. No. SA-9930

DATE	15.08.78	BRIEF	RECORD	INITIAL
DRG. NO.	SA-9930	TYPE	TYPE-I(R) STUDIOS	ALL INDIA RADIO
SCALE	1:200	OPENED OUT	DETAILS OF	X-MISSION BOOTH
APPROVED				

TYPE-I (R) STUDIOS AGRA
OPENED OUT DETAILS OF AUDITION BOOTH



ACOUSTIC DATA

FREQUENCY IN HZ.	125	250	500	1K	2K	4K
OPTIMUM REV. TIME (IN SEC)	.35	.35	.35	.35	.35	.35
CALCULATED "	.35	.39	.36	.37	.40	.36
MEASURED "	"	"	"	"	"	"

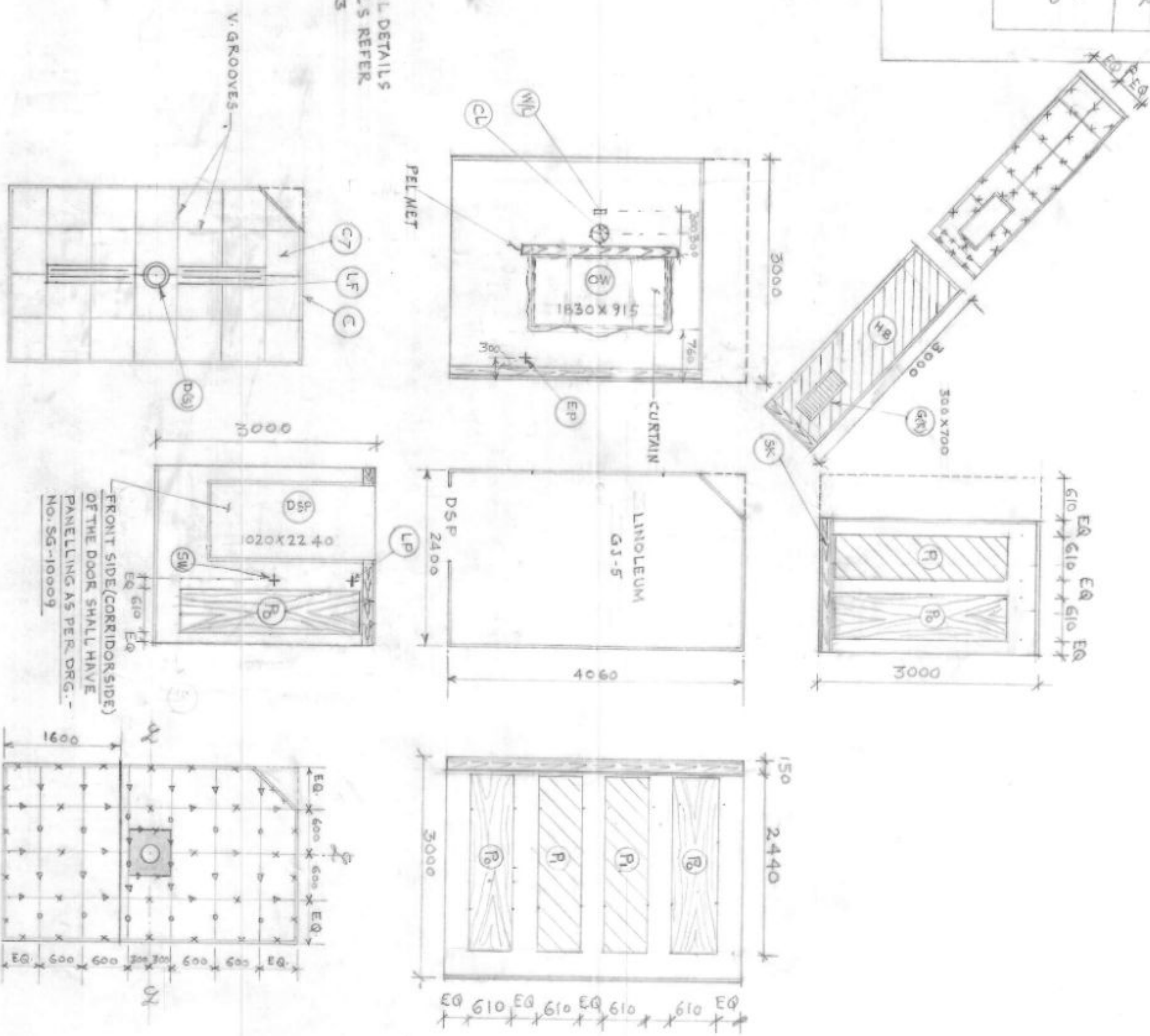
ACOUSTIC TREATMENT

NAME	TREATMENT	SYMBOL	AREA IN SQ.FT
CEILING	12mm PERFECTILES, BEVEL EDGED	(C7)	105
WALLS	(i) 3mm TH T.P. + 50mm A.C. + 25mm M.W. + 3mm COM PLY.	(P0)	64
	(ii) 5mm P.H.B. + 50mm M.W. + 3mm COM PLY	(P1)	48
FLOOR	4.5mm LINOLEUM.		105

LEGEND

S.NO	DESCRIPTION	SYMBOL
1.	150mm SKIRTING	[Symbol]
2.	50mm x 50mm TEAK OR DEODAR BATTEN	[Symbol]
3.	75mm x 50mm "	[Symbol]
4.	75mm x 25mm "	[Symbol]
5.	125mm x 100mm TEAK OR SALWOOD BEAM	[Symbol]
6.	P.H.B. FACING	[Symbol]
7.	TEAK PLY FACING	[Symbol]

FOR CONSTRUCTIONAL DETAILS OF ACOUSTIC PANELS REFER TO DRG. NO. SA-9793



REFLECTED PLAN OF FALSE CEILING
(LOCATION OF FLAP DOOR MAY BE DECIDED AT SITE)

CONSTRUCTIONAL DETAILS OF FALSE CEILING

FINISHES

R.NO	DATE	BRIEF RECORD	INITIALS
1	5.8.87	CURTAIN ADDED.	[Signature]
BARE WALL			
OIL BOUND DISTEMPER, PALE CREAM SHADE NO. 352 OF IS-5.1978			
TEAK PLY FACING			
FRENCH POLISH TEAK SHADE.			
TEAK WOOD SKIRTING			
DO			
TEAK WOOD MOULDING			
FLAT OIL PAINT, PALE CREAM SHADE NO. 352 OF IS-5.1978			
SW. FACE PLATE			
INDUSTRIAL LAMINATE TO MATCH BACK GROUND			
S.P. DOOR			
OUTSIDE			
DECORATIVE INDUSTRIAL LAMINATE (TEAK SHADE)			
INSIDE			
TEAK PLY FRENCH POLISHED			
CEILING DIFFUSER/GRILLE			
FIRST QUALITY ENAMEL PAINT (PALE CREAM)			
P.H.B. / HARD BOARD			
FLAT OIL PAINT, PALE CREAM, NO. 351 OF IS-5.1978			
FLOOR			
4.5mm LINOLEUM, G1-5			

SYMBOLS & DETAILS WITH RELEVANT CONSTRUCTION DRAWING

SYMBOL	DETAILS	REF. DRG.	REMARKS
(SK)	150mm TEAK WOOD SKIRTING		
(OW)	OBSERVATION WINDOW	SG-10001	
(PS)	DOOR SOUND PROOF	SG-10002 & SG-10009	
(DS)	DIFFUSER (SUPPLY)	SG-10050	
(GR)	GRILLE (RETURN)	SG-10049	
(C)	COVE Moulding AROUND EDGES	SG-10051	
(LF)	LIGHT FITTINGS, DECORATIVE WITH PRISMATIC LOUVRES, 2x40w. FL.		
(LP)	LIGHT POINT, 3 PIN SA.		
(SW)	SWITCH		
(WL)	WARNING LAMP		
(EP)	EQUIPMENT POINT, 3 PIN, 15A		
(FD)	FLAP DOOR OF SIZE (600 X 600 mm) HINGED TO OPEN UPWARDS		
(MW)	MINERAL WOOL		
(HB)	HARD BOARD 4.5mm THICK.		
(NL)	WARNING LAMP		
(CL)	CLOCK 250mm Ø, CENTRE SECOND.		

NOTE:

- CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SA-9793 AND SA-9793.
- P.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
- THE SPACING OF BATTENS SHOWN IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZE OF MATERIALS AVAILABLE.
- P.H.B. SHALL BE OF NOT LESS THAN 7/8" OPEN AREA (BETWEEN 7/8" TO 9/8")
- FOR LAYOUT OF CEILING HOOKS AND BEAMS REFER TO DRG. NO. SB-9875
- THE LOCATION OF FLAP DOOR ON THE CEILING MAY BE DECIDED AT SITE.
- FOR INCLINATION OF GLASS PLATES OF (NL) REFER TO RELEVANT DRG.

FOR ESTIMATES ONLY

DATE	NAME	TYPE-I(R) STUDIOS	ALL INDIA RADIO
	PR/M/	AGRA	P.O. UNIT
DRN			NEW DELHI-INDIA
CHD			
TRD			
COMP			
C-D			

SCALE: 1:150

OPENED OUT DETAILS OF AUDITION BOOTH

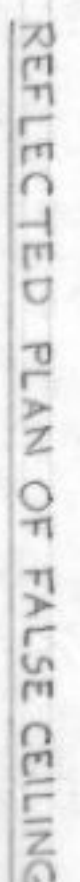
APPROVED

NO. SA 9929

OPENED OUT DETAILS OF SOUND LOCK OF TALKS STUDIO



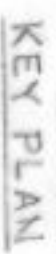
DRG.NO. SA-9924



1. CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-1006/1.
2. P.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
3. THE SPACING OF BATTENS IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZES OF MATERIALS AVAILABLE.
4. P.H.B. SHALL BE OF NOT LESS THAN 7% OPEN AREA (BETWEEN 7% TO 9%)
5. FOR LAYOUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SB-9875.

DATE	NAME	TYPE (R) STUDIOS
15-1-85	R. M. Wong	AGRA
DRN		
CHD		
TRD		
COMP		
C/D		
SCALE: 1:150		OPENED OUT DETAILS OF SOUND LOCK OF TALKS STUDIO
APPROVED		
NO. SA-9924		

OPENED OUT DETAILS OF SOUND LOCK OF MUSIC STUDIO

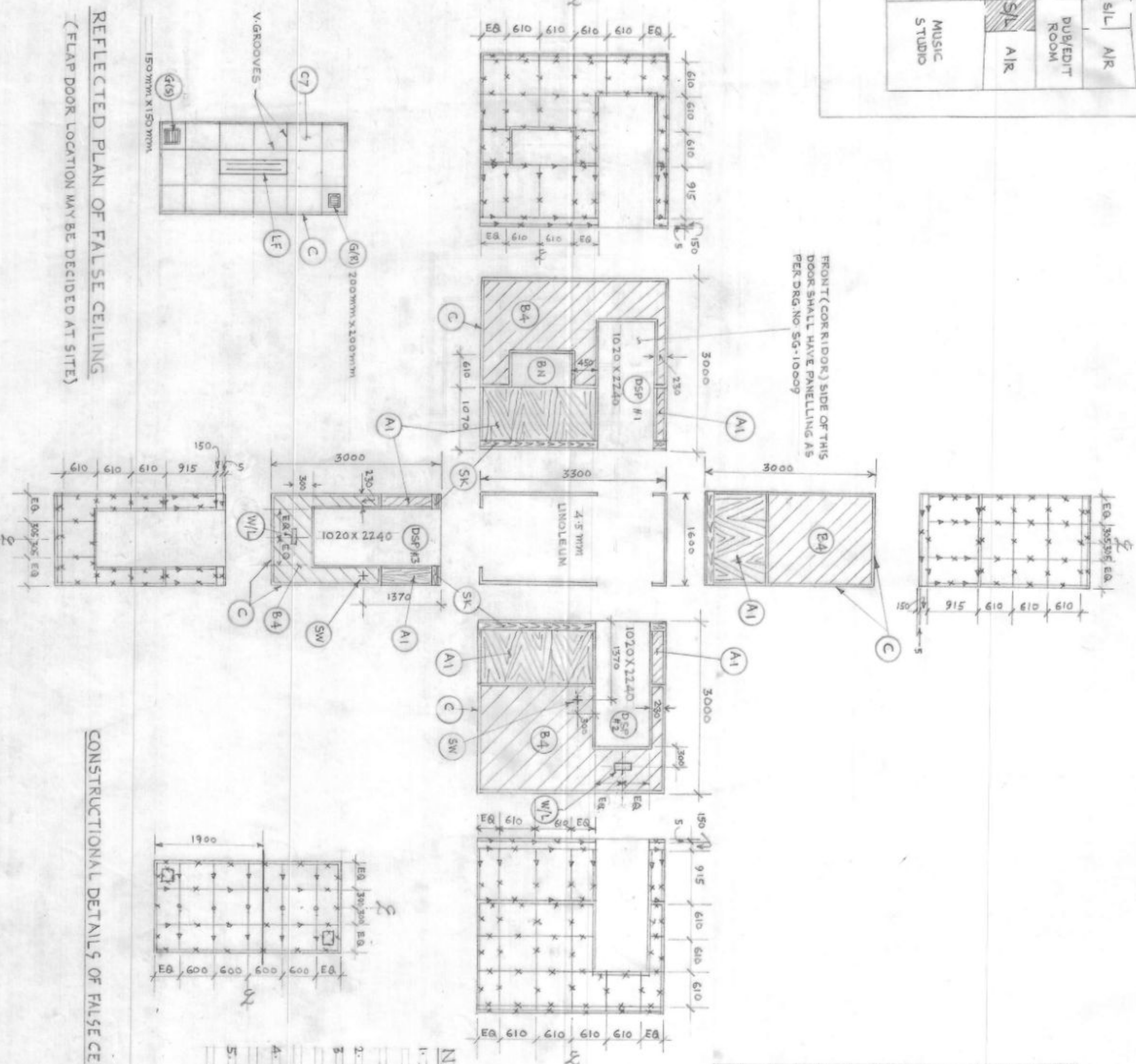


LOCATION	TREATMENT	SYMBOL
CEILING	12mm TH. PERFORILES (BEVELLED)	C7
WALLS	1) 30mm TEAK PLY+50mm AG+25mm M.W. 2) 50mm PHE+50mm M.W.	A1 B4
FLOOR	4.5mm LINOLEUM	

COLOUR/FINISHES		MATERIAL		FINISH	
PERFORATED HARD BOARD				FLAT OIL PAINT, PALE CREAM/COL. NO. 352 OF IS: 15-1978	
BARE WALL				OIL BOUND DISTEMPER, PALE CREAM NO. 352 OF IS-5-1978	
LINOLEUM 4.5x7m				GJ-35	
TEAK PLY FACING				FRENCH POLISH, TEAK SHADE	
TEAK WOOD		ADUPTO WAINCOT		FRENCH POLISH, TEAK SHADE	
Moulding		b) ABOVE WAINCOT		FLAT OIL PAINT, PALE CREAM (NO. 352 OF IS-5-78)	
SKIRTING				FRENCH POLISH, TEAK SHADE	
S.T. DOOR #1		OUTSIDE		DECORATIVE INDUSTRIAL L LAMINATE, TEAK SHADE	
		INSIDE		Do	
S.T. DOOR #2,3		OUTSIDE		DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE	
		INSIDE		DECORATIVE TEAK PLY, FRENCH POLISHED	
NICHE- SHUTTER & FRAME				FRENCH POLISH, TEAK SHADE	
GRILLE (S) AND				ENAMEL PAINT (1ST QUALITY) PALE CREAM	
GRILLE (R)				COL. NO. 352 OF IS-5-1978	

LEA : - LOW FREQUENCY ABSORBER.	PHB : - PERFORATED HARD BOARD FACING	SK : - 150mm TEAK WOOD SKIRTING.	50mm X 50mm TEAK OR DEODAR WOOD BATTEN	75mm X 50mm "	" "	" "	75mm X 25mm "	" "	" "	100mm X 150mm SAL WOOD BEAM.

REFLECTED PLAN OF FALSE CEILING
(FLAP DOOR LOCATION MAY BE DECIDED AT SITE)



NOTES:-

1. CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10060/1
2. PHB SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
3. THE SPACING OF BATTENS SHOWN IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE, DEPENDING UPON THE SIZES OF MATERIALS AVAILABLE.
4. PHB SHALL BE OF NOT LESS THAN 7% OPEN AREA/BETWEEN 7% TO 9%)
5. FOR LAYOUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SB-9975

DATE	NAME	TYPE-1(R) STUDIOS AGRA ALL INDIA RADIO P & D- UNIT NEW DELHI-INDIA
DRN	21-28 PK/Maya	
TRD		
CND		
CMP		
C D		
SCALE:- 1:50		
OPENED OUT DETAILS OF SOUND LOCK OF MUSIC STUDIO		
21/05/2008 V. K. DIXIT ADE	APPROVED	NO.SA-9927

TYPE-I(R) STUDIOS AGRA

OPENED OUT DETAILS OF SOUND LOCK OF REHEARSAL STUDIO



LOCATION	TREATMENT	SYMBOLS
CEILING	18mm TH. PERFORATED (BEVEL EGGED)	(C7)
WALLS	i) 3mm TEAK PLY + 50mm AG + 25mm M.W. ii) 5mm P.H.B + 50mm M.W.	(A1) (B4)
FLOOR	4.5mm LINOLEUM	(B4)

COLOUR FINISHES

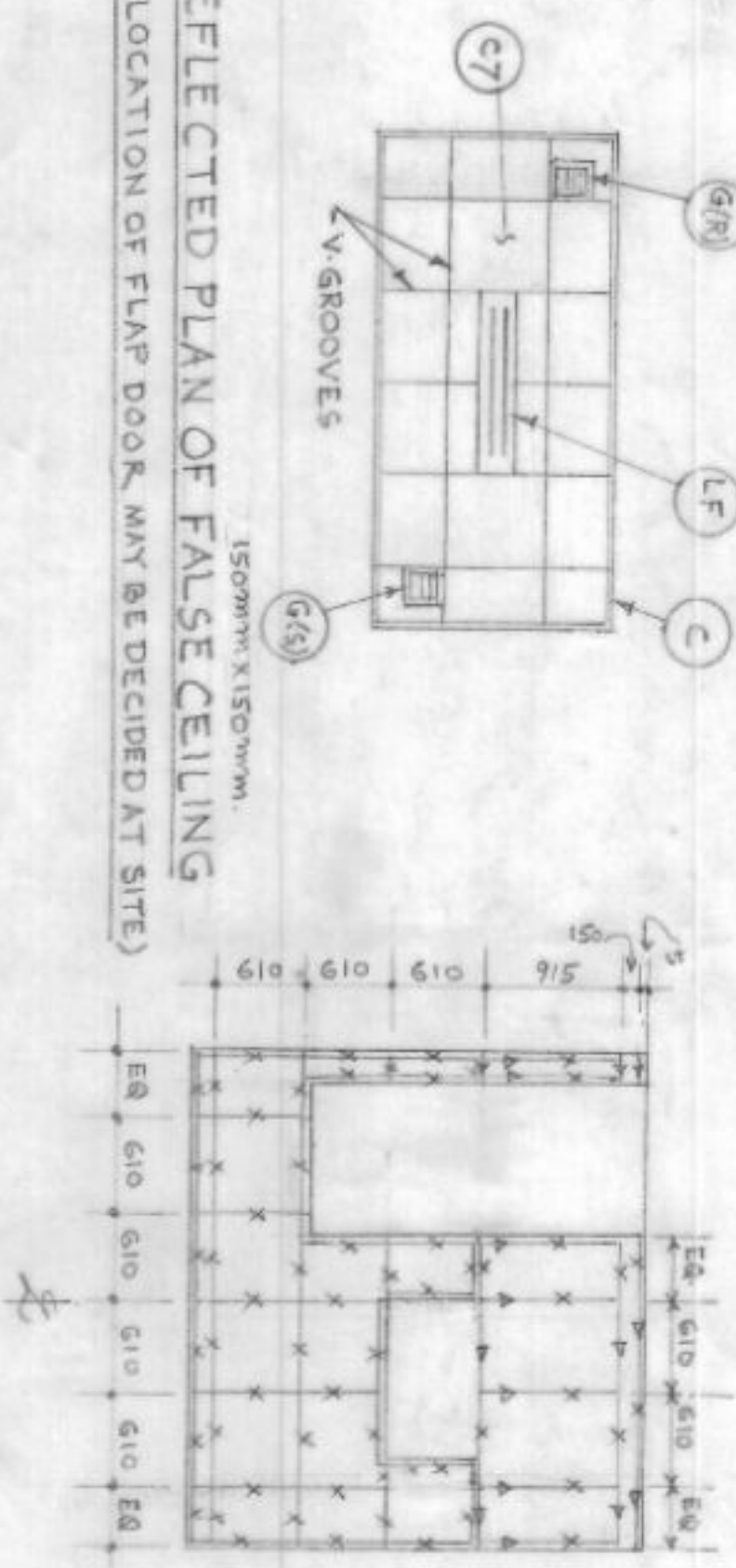
MATERIAL	FINISH
PERFORATED MARD BOARD	FLAT OIL PAINT, PALE CREAM, COL. NO. 352 OF IS:5-1978
PALE WALL	OIL BOUND DISTEMPER, PALE CREAM COLOUR NO. 352 OF IS:5-1978
LINOLEUM 4.5 mm	PAS (PIGEON GREY)
TEAK PLY FACING	FRENCH POLISH, TEAK SHADE
TEAK WOOD	FLAT OIL PAINT PALE CREAM (NO. 352 OF IS:5-1978)
SKIRTING 150mm	FRENCH POLISH, TEAK SHADE
SP. DOOR # 1	DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE
SP. DOOR # 2 & 3	DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE
NICHE SHUTTER & FRAME	FRENCH POLISH, TEAK SHADE
GRILLE (S) AND GRILLE (R)	ENAMEL PAINT (15% QUALITY) OF IS:5 COLOUR NO. 352 (PALE CREAM) OF IS:5

LEGEND

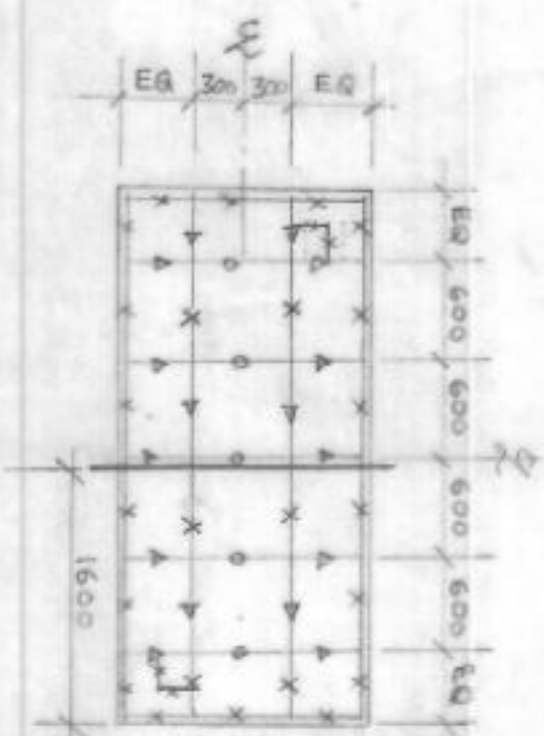
LOW FREQUENCY ABSORBER (LFA)	
PERFORATED MARD BOARD (P.H.B) FACING	
150mm TEAK WOOD SKIRTING (SK)	
50mm x 50mm TEAK OR DEODAR WOOD BATTEN	
75mm x 50mm	
75mm x 25mm	
100mm x 100mm 54L WOOD BEAM	

REFLECTED PLAN OF FALSE CEILING

(LOCATION OF FLAP DOOR MAY BE DECIDED AT SITE)



CONSTRUCTIONAL DETAILS OF FALSE CEILING



NOTES:-

- CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10060/1
- P.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
- THE SPACING OF BATTENS SHOWN IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZES OF MATERIALS AVAILABLE.
- P.H.B. SHALL BE OF NOT LESS THAN 7% OPEN AREA (BETWEEN 7% TO 9%)
- FOR LAYOUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SB-9875.

FOR ESTIMATES ONLY

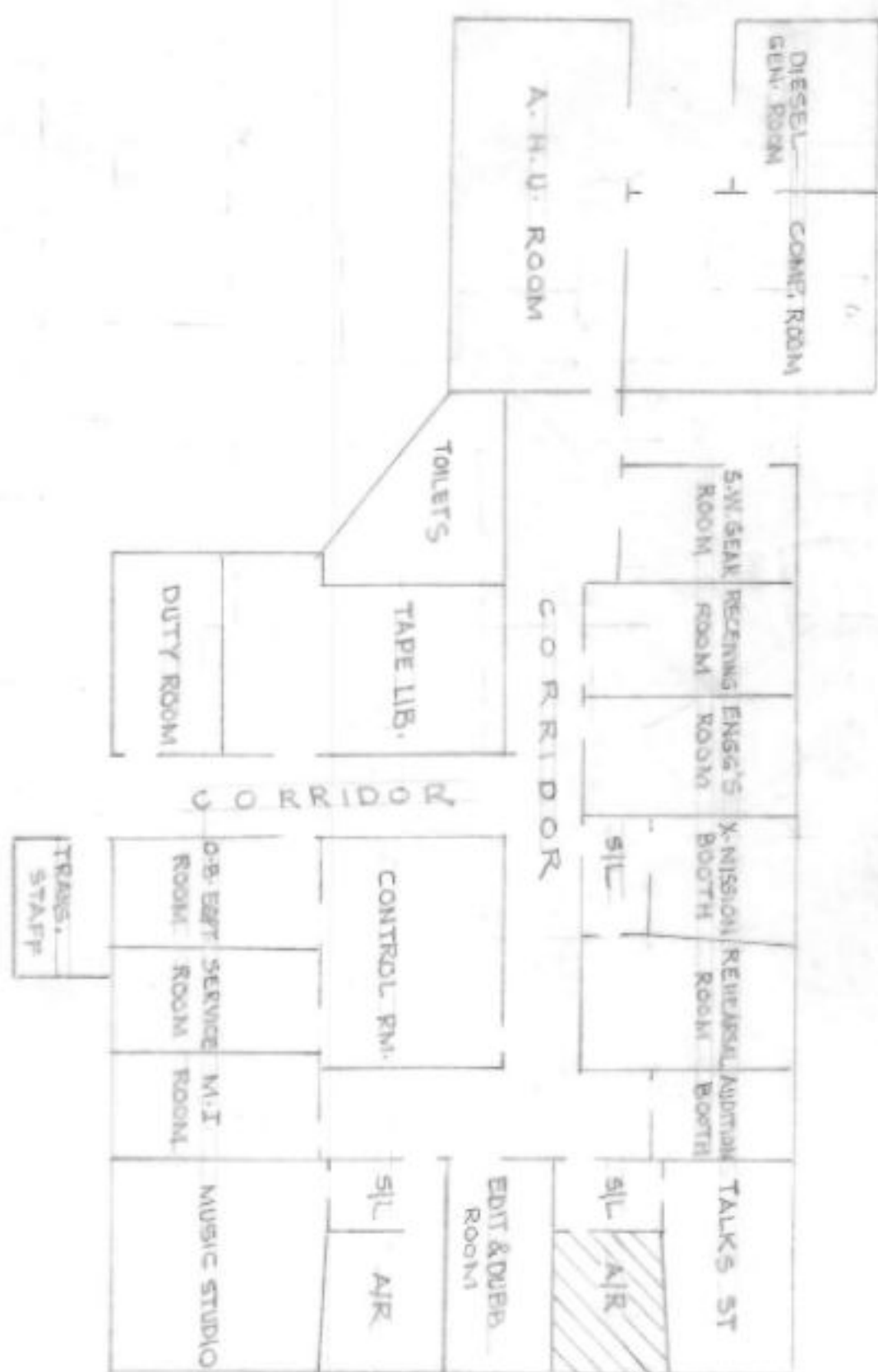
DATE	NAME	TYPE-I(R) STUDIO	ALL INDIA RADIO
DRN 18-2-85	P.R. Mohan	AGRA	P.D. UNIT
TRD			NEW DELHI-INDIA
CD			
COMP			
SCALE: 1:50			
APPROVED			
DRG. NO. SA-9931			

SYMBOLS	DETAILS	DRG. NO.	REMARKS
SK	150mm TEAK WOOD SKIRTING	SG-10060/1	
DSP	SOUND PROOF DOOR	SG-10018	SG-10009
GR	GRILLE (RETURN)	SG-10010	
GR	GRILLE (SUPPLY)	SG-10010	
C	COVE MOLDING AROUND EDGES & CORNERS	SG-10061	
LF	LIGHT FITTINGS (DECORATIVE TYPE) WITH PRISMATIC LOUVRES AT THE BOTTOM	2440 N.	
SW	SWITCH		
WL	WARNING LAMP		
PT	PERFORATED TILES (13mm TH. (600x600mm)) WITH BEVEL EDGES		
BN	BALNAST NICHE	SG-10015	
FD	FLAP DOOR OF SIZE 600x600mm TO OPEN UPWARDS		
MW	MINERAL WOOL		
AG	AIR GAP		

TYPE I (R) STUDIOS AGRA

OPENED OUT DETAILS OF ANNR/ROOM OF TALKS ST.

KEY PLAN
SCALE: 1/200

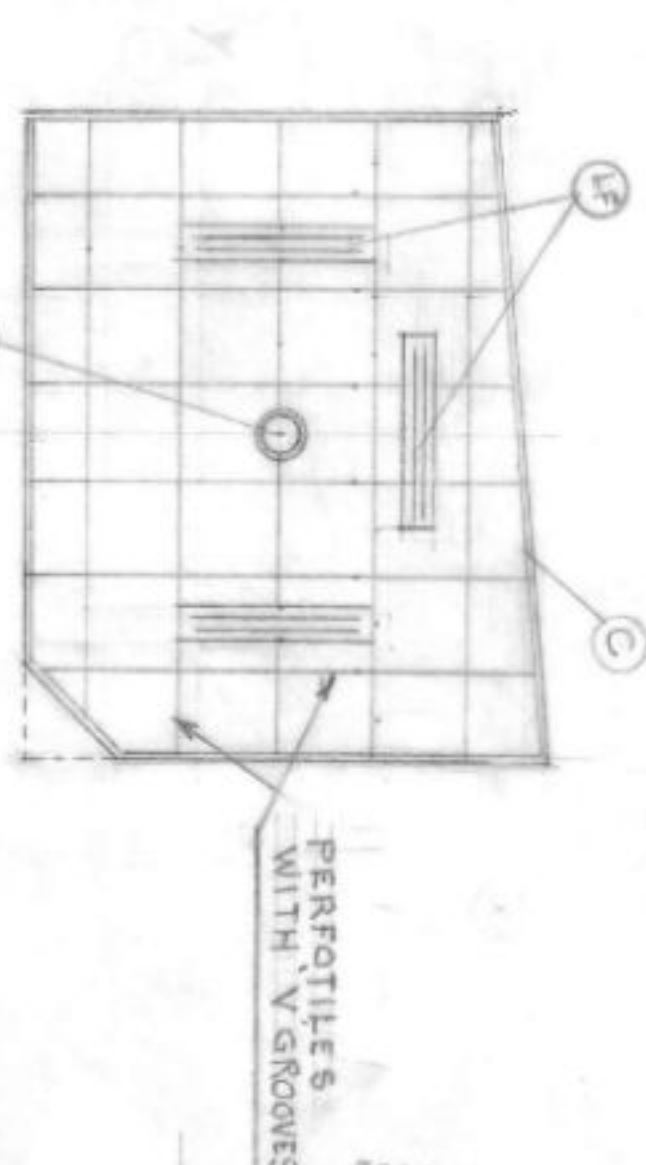


ACOUSTIC DATA:-

FREQUENCY IN HZ	125	250	500	1K	2K	4K
A/R/M						
OPTIMUM REV. TIME IN SECOND	.35	.35	.35	.35	.35	.35
CALCULATED " "	.36	.41	.34	.36	.40	.38
MEASURED " "						

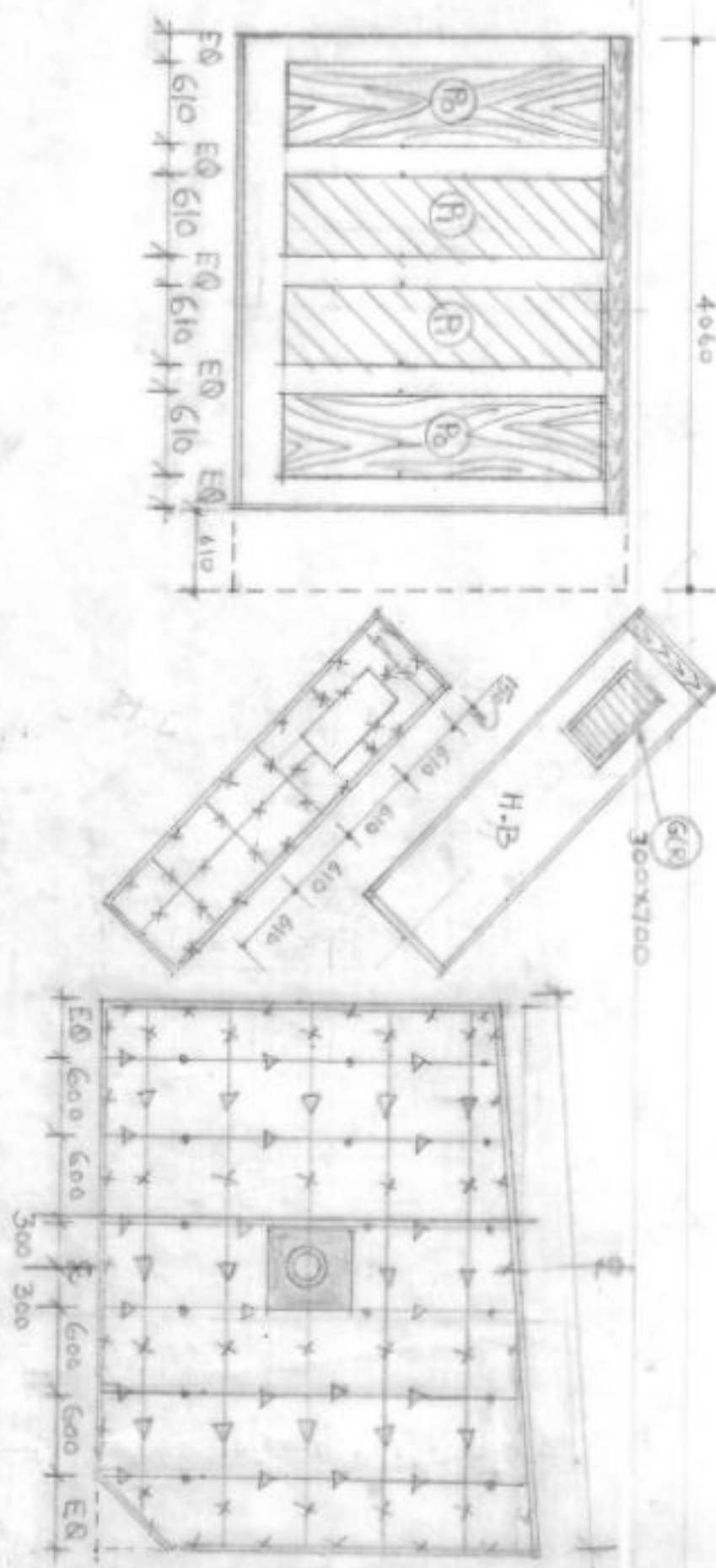
ACOUSTIC TREATMENT:-

TREATMENT	SYMBOL	AREA IN SQ. FT.
12 MM PERFOTILES WITH BEVEL EDGES	(P)	138
3 MM T.P. + 50 MM A.G. + 25 MM M.W. + 5 MM G.C.M. PLY.	(P)	80
4.5 MM PH.B. + 50 MM M.W. + 5 MM G.C.M. PLY.	(P)	80
FLOORING MARBLEX		138



REFLECTED PLAN OF FALSE CEILING

CONSTRUCTIONAL DETAILS OF FALSE CEILING



SYMBOLS & DETAILS WITH RELEVANT CONST. DRG.

SYMBOL	DETAILS	REF. DRG.	REMARKS
(P)	150 m.m TEAK WOOD SKIRTING.		
(P)	SOUND PROOF DOOR.	SG10000	
(P)	SOUND PROOF DOOR.	SG10000	
(P)	DIFFUSER SUPPLY.	SG10050	
(P)	GRILLE (RETURN)	SG10050	
(P)	CLOCK WITH CENTRE SECOND (250W) QUARTZ CONTROLLED.	SG10040	
(P)	MINERAL WOOL.		
(P)	COVE MOULDING AROUND EDGES.	SG10061	
(P)	SWITCH		
(P)	LIGHT FITTING, DECORATIVE TYPE (WITH FLUORESCENT LAMP AT THE BOTTOM) (240 W. FLUORESCENT)		
(P)	LIGHT POINT.		
(P)	POWER POINT.		
(P)	WARNING LAMP.		
(P)	HARD BOARD		

FINISHES:-

DATE/WALL	FINISHES
TEAK PLY FACING	OIL BOUND DISTEMPER (W.C. 7) (COLOUR NO. 852 OF IS-5-1918)
TEAK WOOD SKIRTING	FRENCH POLISH TEAK SHADE
TEAK WOOD MOUNTING	DO
SW. FACE PLATE	INDUSTRIAL LAMINATE TO MATCH BACK GROUND.
S/P DOOR	INSIDE TEAK PLY FRENCH POLISHED.
CEILING DIFFUSER/GRILLE	FIRST QUALITY ENAMEL PAINT (WORKSHEET)
HARD BOARD/HARD BOARD	FLAT OIL PAINT PALE CREAM COLOUR. NO. 852 OF IS-5-1918
FLOORING	

NOTES

1. FOR CONSTRUCTIONAL DETAILS OF PANELS REFER DRG. SA-9793.
2. THE LOCATION OF FLAP DOOR MAY BE DECIDED AT SITE.
3. THE PHB SHALL HAVE AN OPEN AREA OF 7-9 %.
4. FOR DETAILS OF CEILING TREATMENT REFER SG-10060/1
5. FOR INCLINATION OF GLASS PLATES OF G/W REFER RELEVANT DRG.
6. THE CLOCK AND WARNING LAMP SHALL BE FIXED ON A WOODEN BOARD AND TILTED TOWARDS ANNOUNCER TO AVOID PARALLAX ERROR.

FOR ESTIMATES ONLY.

DATE	TYPE	STUDIOS	ALL INDIA RADIO
DRG. 22/05/1978	TYPE I (R)	STUDIOS	P & D UNIT
CHD.		AGRA	NEW DELHI, INDIA
TRD			
CONP			
CD			
SCALE: 1/50			
APPROVED:-			
NO:- SA-9923			

KEY PLAN
(SCALE 1:200)

ENT

EXIT

DIESEL GEN ROOM

CONF. ROOM

A.H.U. ROOM

J.M. GEAR RECEIVING ENG. R. ROOM

TRANS. IN REHEARSAL BOOTH

STUDIO

AUDITORIUM

TRUCKS STUDIO

S/L

A/R

DUB. & EYE. ROOM

S/L

A/R

MUSIC ROOM

SERVICE ROOM

O.B. EQUIP. ROOM

TRANS. STAFF (PROG)

DUTY ROOM

TAPE C.B.

TOILETS

CORRIDOR

CORRIDOR

C/R

ENT

EXIT

LOCATION	FREQUENCY IN HZ						
X-MISSISSIPPI BOOTH	OPTIMUM REV. TIME IN SECOND	125	250	500	1K	2K	4K
	CALCULATED "	.35	.56	.35	.35	.55	.35
MEASURED "	"	.58	.42	.51	.34	.59	.37
	"	"	"	"	"	"	"

LOCATION	TREATMENT	SYMBOLS	AREA IN SQ. FT.
CEILING	12MM TH. PERFO-TILES (REVEL EDGED)	(C7)	157
WALL	1) 3mm T.P. + 50mm A.G. + 25mm M.W. + 3mm COMPLY 2) 5mm P.H.B. + 50mm M.W. + 3mm COMPLY	(P6) (P1)	80 96
FLOORING	3 mm MARBLEX		751

S/N	DETAILS	REF. DRG.	REMARKS
5N	150 mm TEAK WOOD SKINTING		
5S	SOUND PROOF DOOR	SG-10000	
5M	MINERAL WOOL		
C	COVE MOULDING AROUND EDGES	SG-10061	
5W	SWITCH		
GL	CLOCK WITH CENTRE SECOND (3000MM) QUARTZ CONTROLLED		
W/L	WARNING LAMP		
D/G	DIFFUSER (SUPPLY)	SG-10036	
GR	GRILLE (RETURN)	SG-10010	
FD	FLAP DOOR OF SIZE 600X600MM TO OPEN UPWARDS		
LF	LIGHT FITTINGS DECORATIVE TYPE (WITH PRISMATIC LOUVERES AT THE BOTTOM) 2X40 W. FL.		
PT	PERFO-TILES 12 MM TH. (600X600 mm) WITH REVEL EDGES		
LP	LIGHT POINT, 3 PIN - 5 AMP		
EP	EQUIPMENT POINT, 3 PIN - 15 AMP		

2440

P0

P1

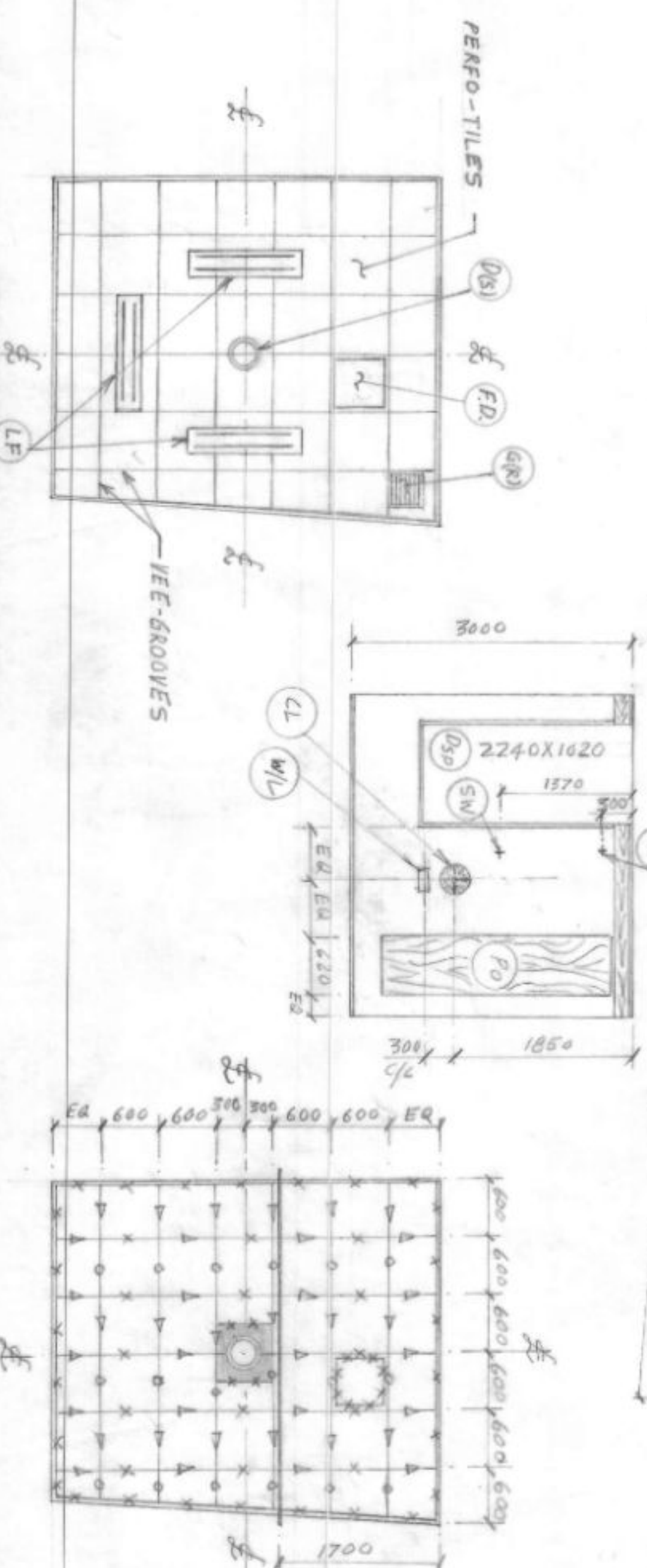
P1

P2

5 150

(TYP) (TYP)

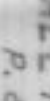
3000



MATERIAL		FINISH	
PERFO-TILES		DRY DISTEMPER, PALE	NO.352 OF IS:5-1978
BASE WALL		OIL BOUND DISTEMPER, PALE	NO.352 OF IS:5-1978
TEAK PLY FACING		FRENCH POLISH, TEAK SHADE	
TEAK WOOD SKIRTING		-PO-	
P.H.B. FACING		FLAT OIL PAINT, PALE GREEN; NO.352 OF IS:5-1978.	
Ceiling Diffuser/Grille		-PO-	
S.R. DOOR	OUT SIDE	DECORATIVE INDUSTRIAL LAMINATE, TEAK SHADE	
	IN SIDE	DECORATIVE TEAK PLY, FRENCH POLISHED	

TEAK WOOD SKIRTING		TEAK WOOD BATTEN	
50mm x 50mm	75mm x 50mm	75mm x 25mm	125mm x 100mm
29	29	29	29

1. CODE NO. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10060/1.
2. P.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-10024.
3. THE SPACING OF BATTENS IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE DEPENDING UPON THE SIZE OF MATERIALS AVAILABLE.
4. P.H.B. SHALL BE OF NOT LESS THAN 7% OPEN AREA BETWEEN 7% TO 9%.
5. FOR LAY-OUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SB-9875.
6. FOR INCLINATION OF 90° GLASS PLATES REFER RELEVANT DRG.

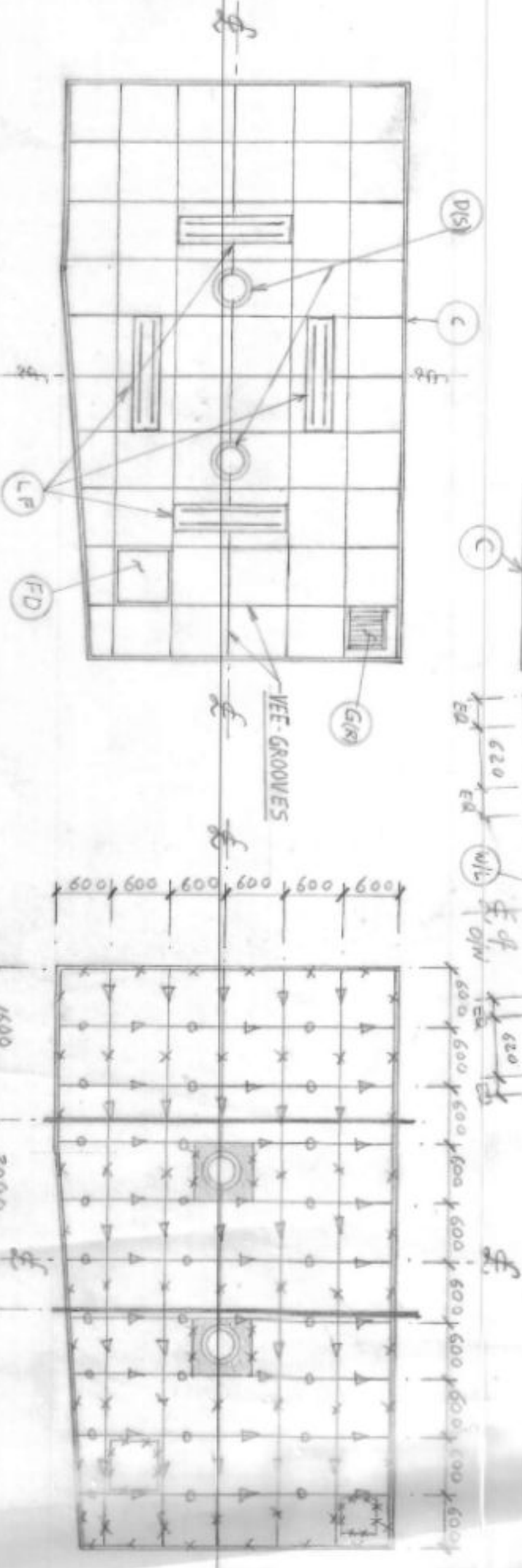
DATE NAME		TYPE I(R) STUDIOS	ALL INDIA RADIO P. & D. UNIT NEW DELHI, INDIA
GND.	CHINAPONG KUNYIT	AGRA	
TROD.			
CORR.			
C.D.			
SCALE:-	1:50	OPENED OUT DETAILS OF X ² MISSION	
	1:206	B00TH	
ADZ	N.A.S.E.		
			
			
		APPROVED:-	
No. SA-9930			

[illegible]

ACOUST

COLOUR / FINISH :-

DRG. No. SA-9922



CONSTRUCTIONAL DETAILS OF FALSE CEILING

SYMBOLS & DETAILS WITH RELEVANT CONST. DRGS.:-

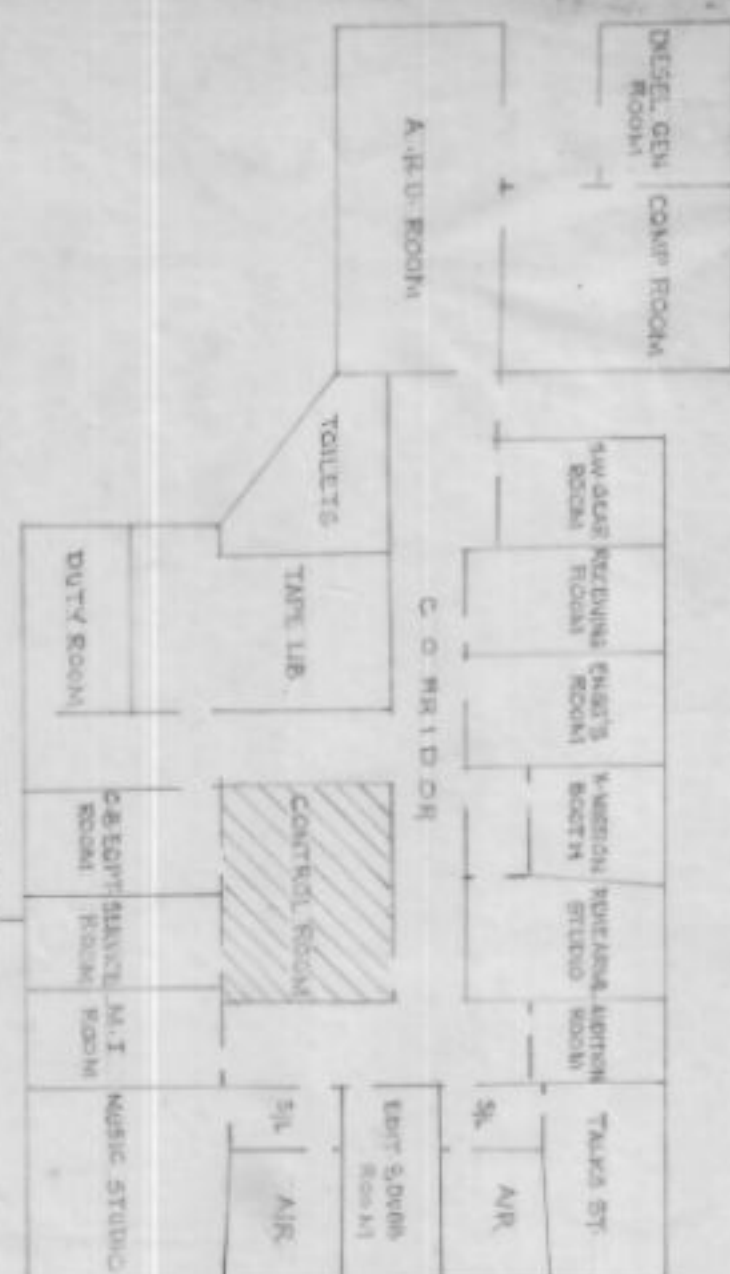
TEAM	MOOD	SKIRTING	50 mm X 50 mm TEAM	MOOD	BATTEN
75 mm X 50 mm	27	21	21	21	21
75 mm X 25 mm	27	21	21	21	21
125 mm X 100 mm	27	21	21	21	21

1. COGS NOT SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED. FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT PLEASE REFER TO DRG. NO. SG-10080/1 AND SG-97951.
2. R.H.B. SHALL BE RANDOMISED AS PER DRG. NO. SG-70024.
3. THE SPACING OF BATTENS IN THIS DRG. IS FOR GUIDANCE ONLY. THIS MAY BE SUITABLY MODIFIED AT SITE, DEPENDING UPON THE SIZE OF MATERIALS AVAILABLE.
4. F.H.B. SHALL BE OF NOT LESS THAN 7% OPEN AREA BETWEEN 1% TO 9%.
5. FOR LAY-OUT OF CEILING HOOKS & BEAMS REFER TO DRG. NO. SG-9875.
6. FOR INCLINATION OF OBSERVATION WINDOW GLASS PLATES REFER RELEVANT DRG.

DETAILS OF
TALKS STUDIO

TYPE-I (R) STUDIOS AGRA

OPENED OUT DETAILS OF CONTROL ROOM



KEY PLAN
SCALE 1:200

ACOUSTIC DATA:-

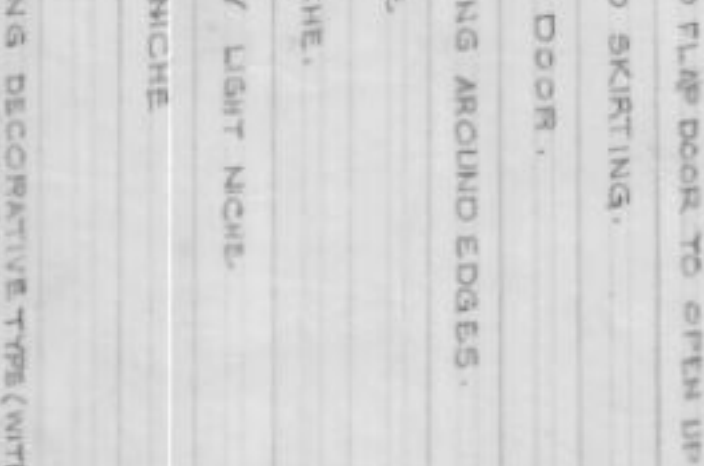
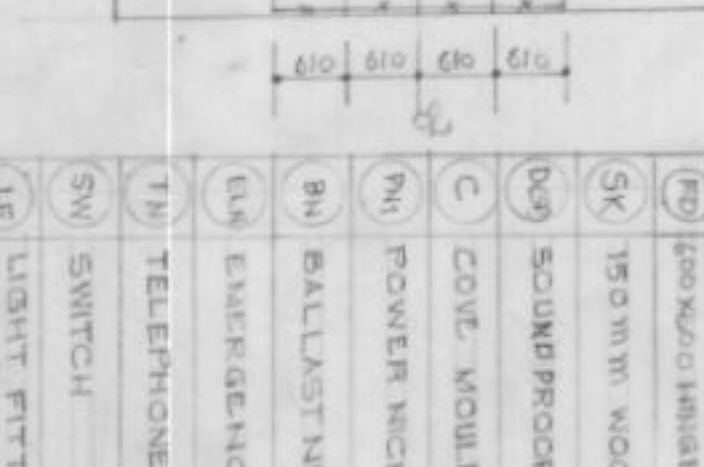
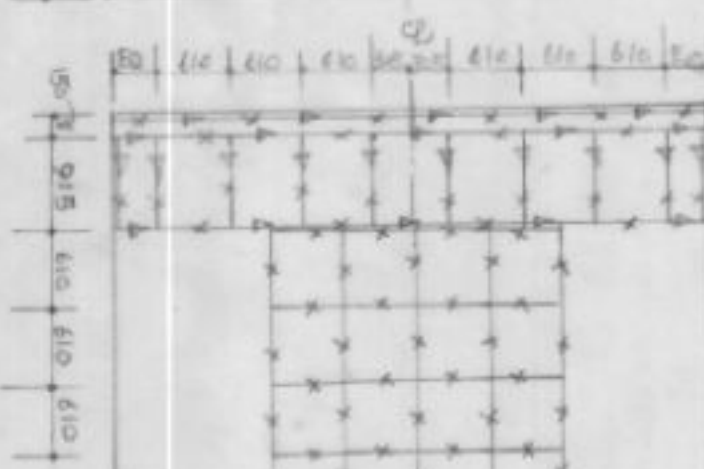
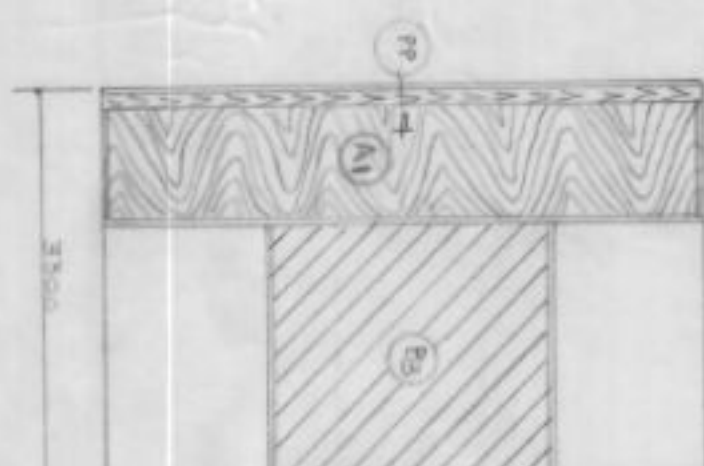
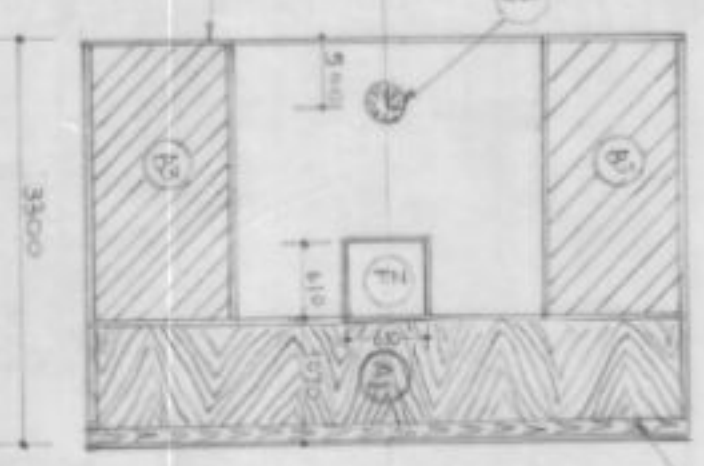
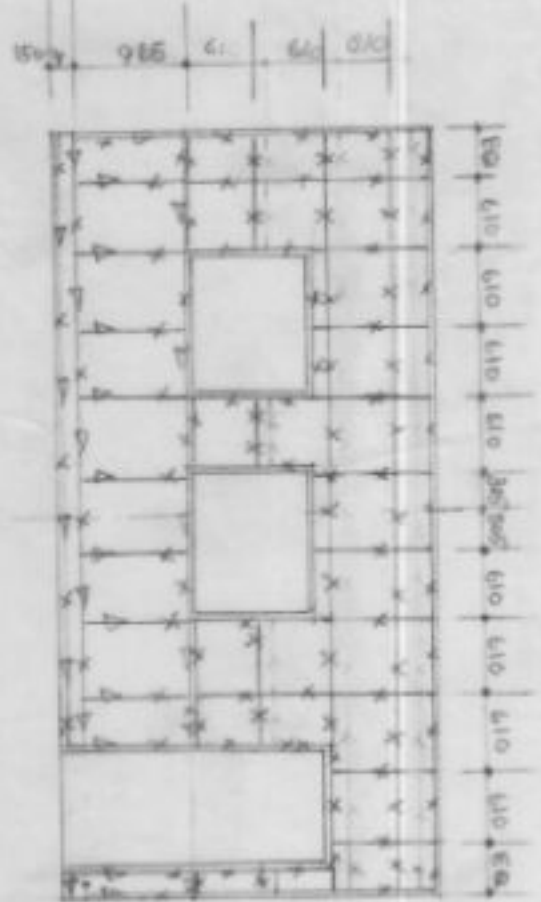
FREQUENCY IN Hz	100	250	500	1K	2K	4K
OPTIMUM REVERBERATION TIME	0.5	0.6	0.8	0.9	1.0	1.1
MEASURED	0.5	0.6	0.8	0.9	1.0	1.1

ACOUSTIC TREATMENT:-

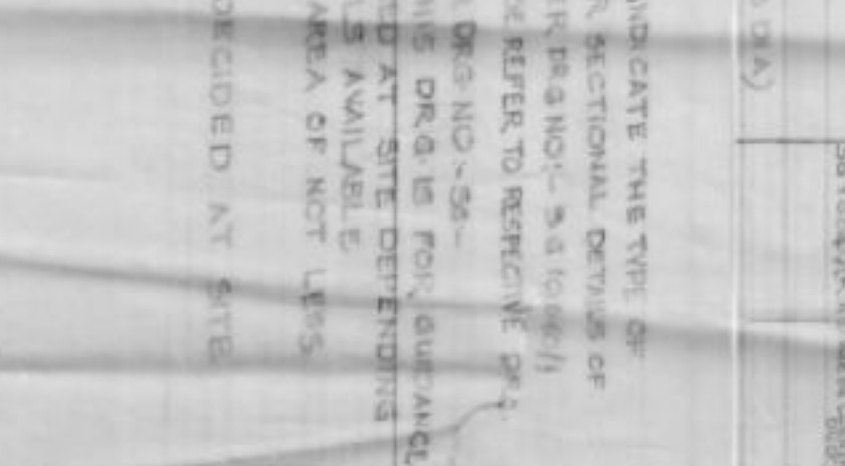
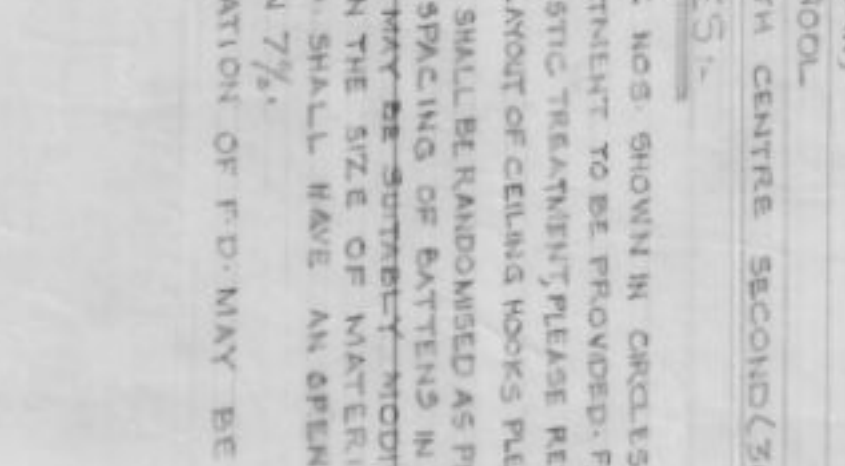
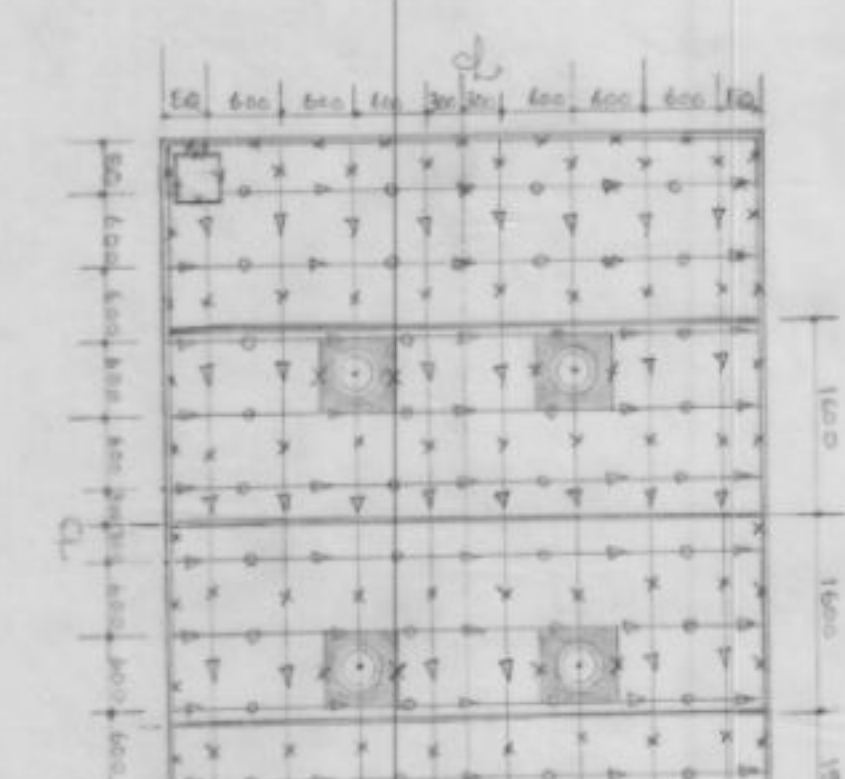
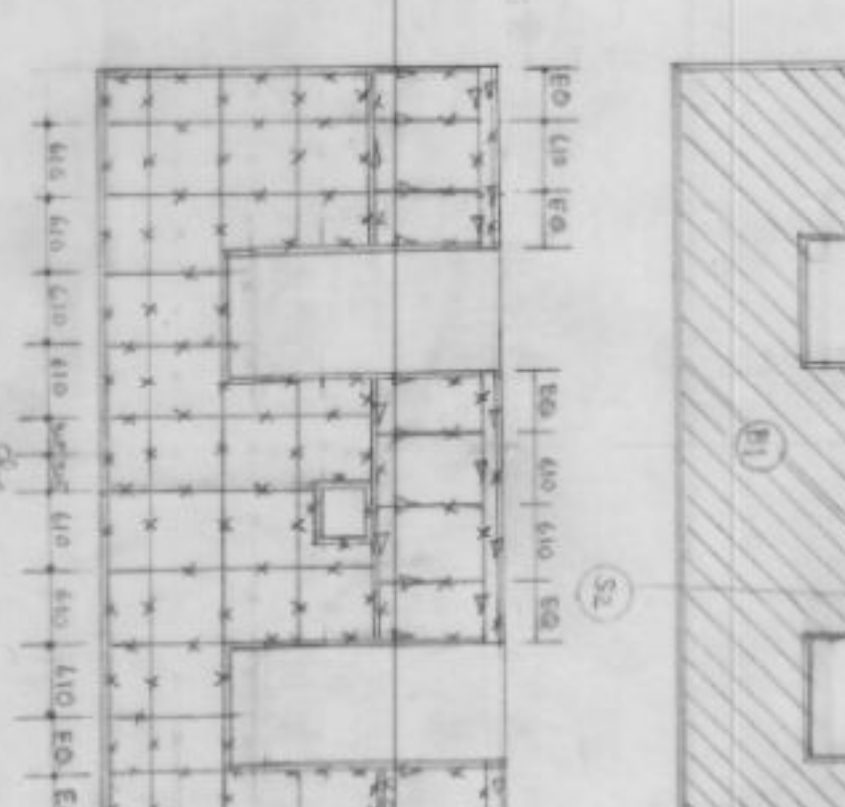
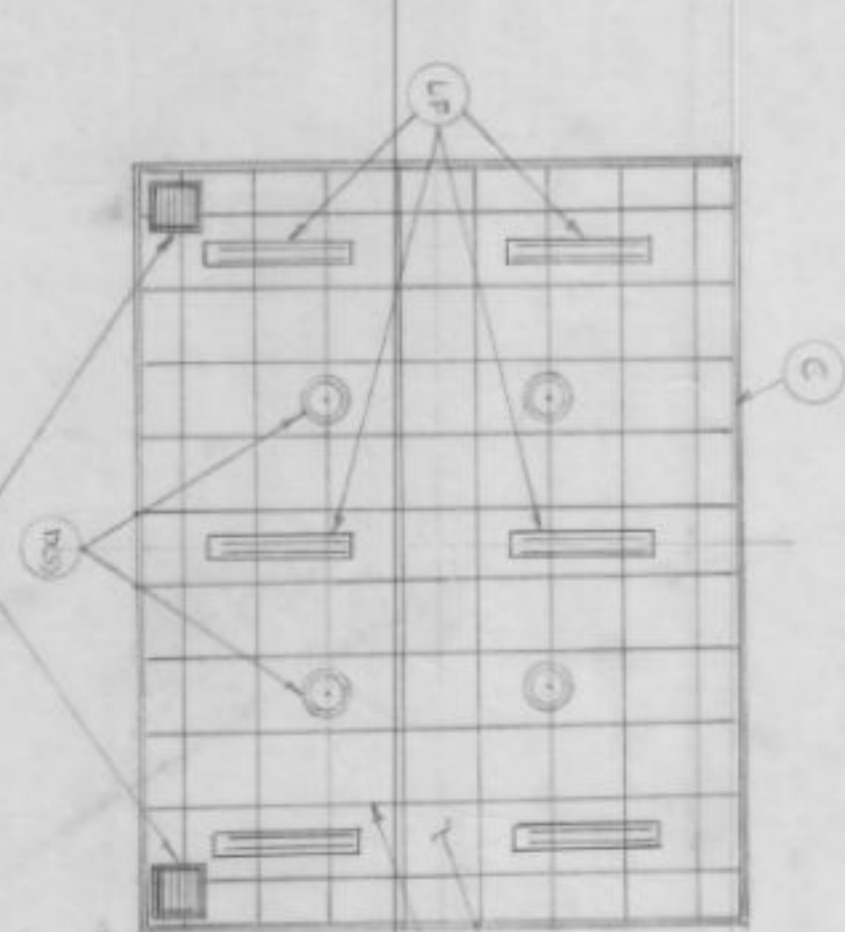
NAME	TREATMENT	SYMBOL	AREA IN SQ. FT.
CEILING PERFORATED	45 mm P.F. + 25 mm A.S. + 15 mm T.B.	(A)	1000
WALLS	45 mm P.F. + 25 mm A.S. + 15 mm T.B.	(B)	1000
FLOORING	30 mm M.A.B.L.E.X. OCEAN BLUE	(C)	1000

LEGEND:-

SNO	DESCRIPTION	SYMBOL
1	SKIRTING	(D)
2	50 mm WOODEN T.B. OR DECOR. BATTEN	(E)
3	150 mm WOODEN T.B. OR DECOR. WOOD BATTEN	(F)
4	75 mm WOODEN T.B. OR DECOR. BATTEN	(G)
5	75 mm WOODEN T.B. OR DECOR. BATTEN	(H)
6	LOW FREQUENCY ABSORBER - L.F.A.	(I)
7	HIGH FREQUENCY ABSORBER - H.F.A.	(J)
8	PERFORATED HARD BOARD	(K)



REFLECTED PLAN OF FALSE CEILING



FINISHES

BASE WALL	OL BOUND DISTANCE, VERY SHADE
TEAK PLY FACING	FRENCH POLISH TEAK SHADE.
TEAK WOOD SKIRTING	DO
TEAK WOOD Moulding	FLAT OIL PAINT MORD SHADE (NO. 852)
SW. FACE PLATE	INDUSTRIAL LAMINATE TO MATCH BACK GROUND
SP. DOOR	INSIDE DECORATIVE INDUSTRIAL LAMINATE (TEAK SHADE) OUTSIDE TEAK PLY FRENCH POLISH SHADE
CEILING DIFFUSER / GRILLE	FIRST QUALITY ENAMEL PAINT (CHOCOLATE SHADE)
FLOORING	30 mm M.A.B.L.E.X. OCEAN BLUE
PERFORATED / IS. TILES	DRY DISTEMPER / VERY SHADE, COLOUR NO. 852 OF IS-5-1976.

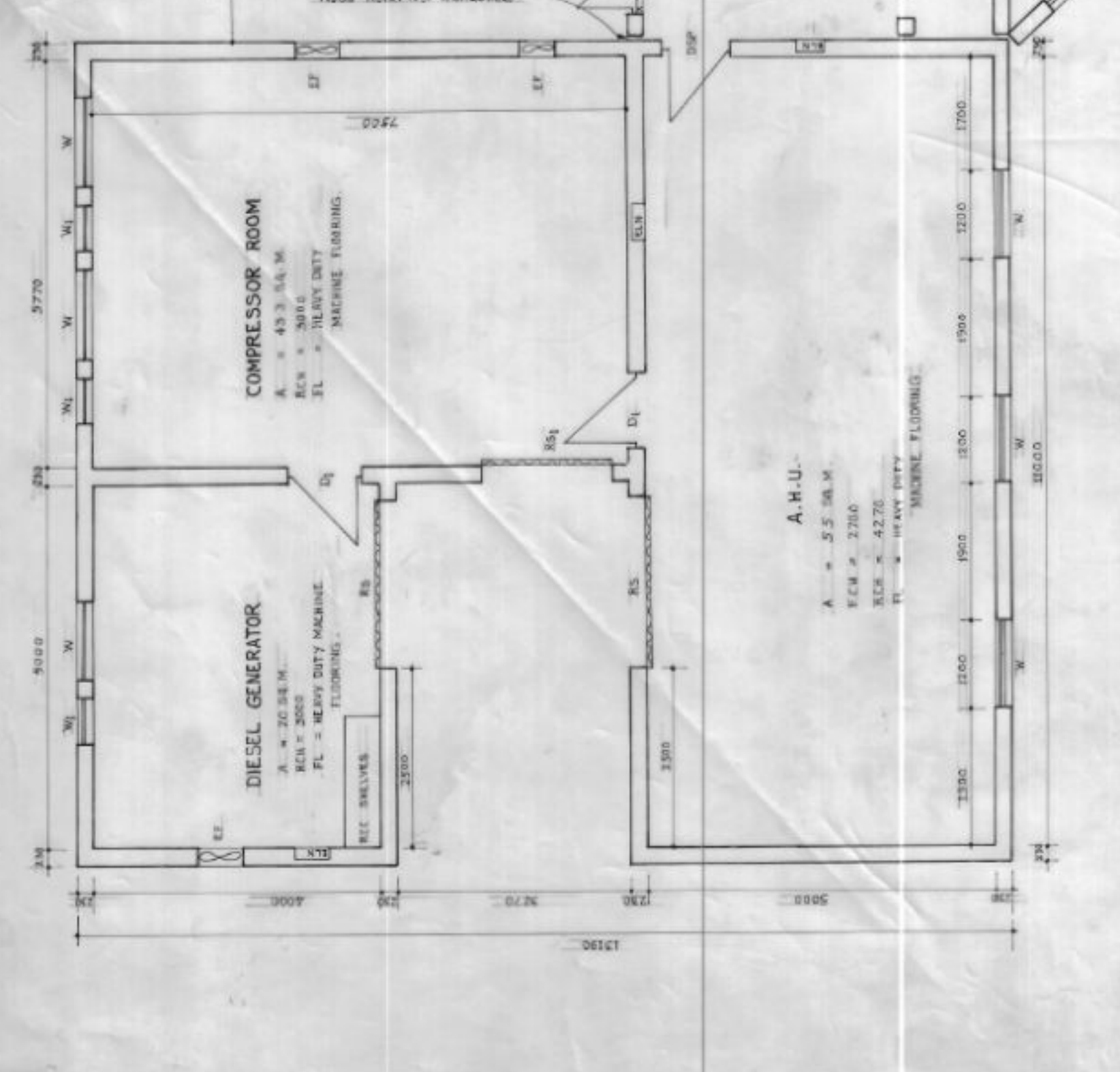
SYMBOLS & DETAILS WITH RELEVANT CONST. DRGS.

SNO	DETAILS	DRG. NO.	REMARKS
(A)	LOW FREQUENCY ABSORBER	SA 1000/4	
(B)	HARDBOARD		
(C)	DOOR MOUNTED FLAP DOOR TO OPEN UPWARDS.		
(D)	150 mm WOOD SKIRTING.	SA 1000/5	
(E)	SOUNDPROOF DOOR.		
(F)	COAT. Moulding AROUND EDGES.		
(G)	POWER NICHE.		
(H)	BALLAST NICHE.		
(I)	EMERGENCY LIGHT NICHE.		
(J)	TELEPHONE NICHE.		
(K)	SWITCH		
(L)	LIGHT FITTING, DECORATIVE TYPE (WITH REFRIG. LOUVERES AT THE BOTTOM) 240W FLUORESCENT.		
(M)	POWER POINT, 3PH-15 AMP.		
(N)	DIFFUSER SUPPLY	SA 1000/6	
(O)	GRILLE (RETURN)	SA 1000/7	
(P)	MINERAL WOOL.	SA 1000/8	
(Q)	CLOCK WITH CENTRE SECOND (300 CPM)		

NOTES:-

- CODE NOS. SHOWN IN CIRCLES INDICATE THE TYPE OF TREATMENT TO BE PROVIDED FOR SECTIONAL DETAILS OF ACOUSTIC TREATMENT. PLEASE REFER TO SA 1000/1.
2. FOR LAYOUT OF CEILING HOLES PLEASE REFER TO RELEVANT DRG.
3. P.F. SHALL BE RANDOMISED AS PER DRG. NO. 852.
4. THE SPACING OF BATTENS IN THE DRG. IS FOR GENERAL UPON THE SIZE OF MATERIALS AVAILABLE.
5. P.F.B. SHALL HAVE AN OPEN AREA OF NOT LESS THAN 7%.
6. LOCATION OF P.D. MAY BE DECIDED AT SITE.

S.NO	DATE	BRIEF RECORD	INITIALS
1	15-2-91	RETRACED ON FILM	Dr. Z 14/2/91



1	BUILDINGS	STUDIO AND OFFICE BUILDINGS AS PER ARCHITECT DWG. NO. SA-714/N/2893/2.
2	ANCHILLAGES	ANCHILLAGES IN ALL CONCRETE CONSTRUCTION REPRESENTED BY BOX AND PIVOT POINT FOR GENERAL WATER SUPPLY AS INDICATED IN ANCHILLAGES DWG. NO. 38-9872.
3	WATER SUPPLY	ARRANGEMENTS SHOULD BE MADE FOR MEETING THE REQUIREMENT OF 10 KILLITERS PER HOUR. THIS ADDITIONAL FLOW SHOULD ALSO BE MADE FOR REFERENCE CHANGES OF FLOOD RATES CAPACITY FOR FIVE VIBRANTS IN THE OVER HEAD TANK.
4	DOORS	DOORS SHOULD BE PROVIDED BY C.C. (M3) C.C.M. WORK. ONLY POINT THE ABOVE DOORS FLAMES IMPROVED IN THE CONSTRUCTIONAL STAGE. ALL OTHER DOOR FRAMES, DOOR LEAVES AND DOOR CLOSERS FOR THEM ARE TO BE PROVIDED BY C.C.N. THE ENTRANCE & EXIT DOOR SHALL BE DAMP PROOF.
5	OBSTRUCTION WINDOW	OBSTRUCTION WINDOW SHALL BE PROVIDED BY C.C.N. (UNIT CLEAR WALL OPENINGS TO BE PROVIDED ONE AS PER P.D. UNIT DRINKS 38-9874.
6	WINDOW	THE WINDOW, WINDOW SILL AND BLOCK AND THE EXPOSURE OF OFFICE BLOCK SHALL BE PROVIDED WITH 5 CM. SILL AND 15 CM. WALL WITH 15 CM. REINFORCED CONCRETE SECURITY.
7	WALL NICHES	BALCONY NICHES, POWER NICHES, TELEPHONE NICHES AND EMERGENCY LIGHT NICHES TO BE PROVIDED AS INDICATED IN P.D.
8	WALL OPENINGS	DWG. NO. 38-9874. NICHE COVERS SHALL BE PROVIDED BY C.C. (M3).
9	WALL OPENINGS	TECHNICAL WALL OPENINGS ARE TO BE PROVIDED AS PER P.D. UNIT DRG. NO. 38-9874.
10	TRINCHES/FLOOR FITS	TRINCHES/FLOOR FITS SHALL BE PROVIDED BY C.C. (M3) C.C.M. WORK. LAYOUT SHOULD BE AS PER P.D. UNIT DRG. NO. 38-9872.
11	FLOOR & WALL CONCRETE	FOR CONSTRUCTIONAL DETAILS OF THE NICHES IN LOW-GEAR ROOM AND DIESEL GEN. ROOM, P.D. UNIT DRG. NO. 38-9874 AND FOR OTHER ROOMS DWG. NO. 38-9874 TO BE FOLLOWED.
12	STRUCTURAL LAYOUT	ONLY G.C. CONCRETE TO BE PROVIDED AS PER P.D. UNIT DRG. NO. 38-9872 FOR SIGNALING, MONITORING AND AUDIO WIRING SEPARATE DIESEL POWER SUPPLY DIAGRAMATIC DWG. NO. 38-9874 AND ILLUMINATION FITTINGS DWG. NO. 38-9874 FOR ELECTRICAL CIRCUITS TO BE PROVIDED BY C.C.N.
13	ROOF TREATMENT	TO BE DECORATED AT ALL LEVELS (G. PLINTH, FLOOR, WALL AND CEILING) BETWEEN STUDIO BLOCK AND MACHINE BLOCK. THE LORAINEN SHALL BE PROVIDED BY C.C. (M3) C.C.M. WORK. SPECIAL CARE SHOULD BE TAKEN AT CONTRACTION JENSE TO ENSURE THAT RUBBLE AND MORTAR ETC. DO NOT BRIDGE THE GAP.
14	ROOF TREATMENT	HEAT AND WATER PROOF TREATMENT TO BE PROVIDED ON ENTIRE STUDIO & MACHINE BLOCK USING 75 MM. UNIFORM 2R. SHALAK. WATERPROOF AND WITTING TINGS WILL BE LOCATED ON THE TOP OF CONCR. BLOCK. THE APPROXIMATE WIDTHS ARE: CONCRETE FLOOR - 2000 MM, MURK - 500 MM, WATER TANK - 4000 MM, AND SOFT WATER TANK - 4000 MM.
15	ROOF TREATMENT	FLOOR FINISHES AS INDICATED IN THIS DPG. ARE TO BE PROVIDED FOR TOILETS. THE LEVEL OF FLOORING SHOULD BE AT LEAST 12 MM BELOW THE CORRIDOR LEVEL AND SLOPING AWAY FROM THE CORRIDOR. THE FLOORING IN ALL ROOMS SHOULD BE LEVEL AND EVEN.
16	WALL FINISHES	SMOOTH TARRANT PLASTER, FINISH WITHOUT CURT. WASH FOR WALLS AND CEILING. BEDROOMS, AIR-5175, CONTROL ROOM, RECORDS ROOM, M4 ROOM, TAPE (C) LIBRARY, RECEIVING ROOM AND CORRIDORS, ALL WALLS IN DUTY ROOM, WAITING ROOM, ETC. ROOM, TRANS. STAFF ROOM AND ENTRANCE HALL SHOULD HAVE FIRST CLASS ROUGH SURFACE AND FINISH IN OIL BOARDS. INTERCOM (HONEYJANE) AS PER DPG-352-1987, WITH MAIN SHALL BE PROVIDED ON THE CEILING OF THE ABOVE ROOMS. SMOOTH PLASTER WITH FINISH IN WHITE. DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
17	BATTERY BANK	DADO SHALL NOT BE PROVIDED ON WALLS OF ACQUISITIONALLY TREATED ROOMS & CORRIDORS.
18	WALLS	THE BATTERY BANK SHOULD CONFORM TO P.D. UNIT DRG. NO. 38-10008.
19	WALLS	WALLS SHALL BE PROVIDED BY C.C. (M3) C.C.M. WORK TO SUPPORT FLESH CHAMBERS (APPROX. WT. 550 KG.). THE EXACT LOCATION WILL BE DETERMINED BY P.D. UNIT LATER.
20	WALLS	TO BE PROVIDED AS INDICATED IN P.D. UNIT DRG. NO. 38-9874 ALONG WITH SUITABLE CHAZA.
21	WALLS	THE WALL OF THE CELLARABLE GATE SHALL BE EMBEDED IN THE FLOOR SO THAT IT DOES NOT PROJECT ABOVE THE FLOOR.
22	WALLS	THE FOUNDATION BLOCK FOR THE DIESEL GEN. IS TO BE CONSTRUCTED BY C.C.M. CONCRETE TO BE SUPPLIED UNDER.
23	WALLS	TWO NOS. FOR AUDIO AND ONE FOR TELEVISION SETS TO BE PROVIDED BY C.C. (M3) C.C.M. WORK. SEPARATE POWER SUPPLY EARTHINGS TO BE PROVIDED BY C.C.N.
24	WALLS	PROVISION FOR FLOOD MORT. LITERRANCE ANTI-VIBRATION THE VIBRANTS STRAIN. WATER DRAINING WATERPROOF. INTERCOM, WATERS, SECURITY FENCINGS AND FIRE FIGHTING EQUIPMENTS IS TO BE MADE.
25	WALLS	THE VIBRATION IN FLOOR LEVEL IN ANY ROOM WHERE LEVEL CHANGING FLOORING IS NEEDED FOR SHOULD NOT EXCEED 2 MM. OVER A DISTANCE OF 100 CM. AND 5 MM. OVER A DISTANCE OF A METRE. ADDITIONAL LEVEL VIBRATION BETWEEN ANY TWO FLOORS SHOULD NOT EXCEED 1 MM.

1	BUILDINGS	STUDIO AND OFFICE BUILDINGS AS PER ARCHITECT DWG. NO. SA-714/N/2893/2.
2	ANCHILLAGES	ANCHILLAGES IN ALL CONCRETE CONSTRUCTION REPRESENTED BY BOX AND PIVOT POINT FOR GENERAL WATER SUPPLY AS INDICATED IN ANCHILLAGES DWG. NO. 38-9872.
3	WATER SUPPLY	ARRANGEMENTS SHOULD BE MADE FOR MEETING THE REQUIREMENT OF 10 KILLITERS PER HOUR. THIS ADDITIONAL FLOW SHOULD ALSO BE MADE FOR REFERENCE CHANGES OF FLOOD RATES CAPACITY FOR FIVE VIBRANTS IN THE OVER HEAD TANK.
4	DOORS	DOORS SHOULD BE PROVIDED BY C.C. (M3) C.C.M. WORK. ONLY POINT THE ABOVE DOORS FLAMES IMPROVED IN THE CONSTRUCTIONAL STAGE. ALL OTHER DOOR FRAMES, DOOR LEAVES AND DOOR CLOSERS FOR THEM ARE TO BE PROVIDED BY C.C.N. THE ENTRANCE & EXIT DOOR SHALL BE DAMP PROOF.
5	OBSTRUCTION WINDOW	OBSTRUCTION WINDOW SHALL BE PROVIDED BY C.C.N. (UNIT CLEAR WALL OPENINGS TO BE PROVIDED ONE AS PER P.D. UNIT DRINKS 38-9874.
6	WINDOW	THE WINDOW, WINDOW SILL AND BLOCK AND THE EXPOSURE OF OFFICE BLOCK SHALL BE PROVIDED WITH 5 CM. SILL AND 15 CM. WALL WITH 15 CM. REINFORCED CONCRETE SECURITY.
7	WALL NICHES	BALCONY NICHES, POWER NICHES, TELEPHONE NICHES AND EMERGENCY LIGHT NICHES TO BE PROVIDED AS INDICATED IN P.D.
8	WALL OPENINGS	DWG. NO. 38-9874. NICHE COVERS SHALL BE PROVIDED BY C.C. (M3).
9	WALL OPENINGS	TECHNICAL WALL OPENINGS ARE TO BE PROVIDED AS PER P.D. UNIT DRG. NO. 38-9874.
10	TRINCHES/FLOOR FITS	TRINCHES/FLOOR FITS SHALL BE PROVIDED BY C.C. (M3) C.C.M. WORK. LAYOUT SHOULD BE AS PER P.D. UNIT DRG. NO. 38-9872.
11	FLOOR & WALL CONCRETE	FOR CONSTRUCTIONAL DETAILS OF THE NICHES IN LOW-GEAR ROOM AND DIESEL GEN. ROOM, P.D. UNIT DRG. NO. 38-9874 AND FOR OTHER ROOMS DWG. NO. 38-9874 TO BE FOLLOWED.
12	STRUCTURAL LAYOUT	ONLY G.C. CONCRETE TO BE PROVIDED AS PER P.D. UNIT DRG. NO. 38-9872 FOR SIGNALING, MONITORING AND AUDIO WIRING SEPARATE DIESEL POWER SUPPLY DIAGRAMATIC DWG. NO. 38-9874 AND ILLUMINATION FITTINGS DWG. NO. 38-9874 FOR ELECTRICAL CIRCUITS TO BE PROVIDED BY C.C.N.
13	ROOF TREATMENT	TO BE DECORATED AT ALL LEVELS (G. PLINTH, FLOOR, WALL AND CEILING) BETWEEN STUDIO BLOCK AND MACHINE BLOCK. THE LORAINEN SHALL BE PROVIDED BY C.C. (M3) C.C.M. WORK. SPECIAL CARE SHOULD BE TAKEN AT CONTRACTION JENSE TO ENSURE THAT RUBBLE AND MORTAR ETC. DO NOT BRIDGE THE GAP.
14	ROOF TREATMENT	HEAT AND WATER PROOF TREATMENT TO BE PROVIDED ON ENTIRE STUDIO & MACHINE BLOCK USING 72 MM. UNIFORM 2R. SHALAK. WATERPROOF AND WITTING FINISH WILL BE LOCATED ON THE TOP OF CONCR. BLOCK FINISH. THE APPROXIMATE WIDTHS ARE: CONCRETE FLOOR - 2000 MM, M3/C. & SOFT WATER TANK - 4000 MM.
15	ROOF TREATMENT	FLOOR FINISHES AS INDICATED IN THIS DPG. ARE TO BE PROVIDED FOR TOILETS. THE LEVEL OF FLOORING SHOULD BE AT LEAST 12 MM BELOW THE CORRIDOR LEVEL AND SLOPING AWAY FROM THE CORRIDOR. THE FLOORING IN ALL ROOMS SHOULD BE LEVEL AND EVEN SMOOTH TARRANT PLASTER FINISH WITHOUT CURB. WASH FOR WALLS AND CEILING SLOPING AWAY. ALL WALLS IN DUTY ROOM, WAITING ROOM, ETC. ROOM, ROOM, M3 ROOM, TAPE (G. LIBRARY) RECEIVING ROOM AND CORRIDORS. ALL WALLS IN DUTY ROOM, WAITING ROOM, ETC. ROOM, TRANS. STAFF ROOM AND ENTRANCE HALL SHOULD HAVE FIRST CLASS ROUGH SURFACE AND FINISH IN OIL BOILER DRYER (HARDY) FINISH AS PER 38-9874-1987. WITH M3 SHALL BE PROVIDED ON THE CEILING OF THE ABOVE ROOMS. SMOOTH PLASTER WITH FINISH IN WHITE DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
16	WALL FINISHES	DADO SMOOTH PLASTER FINISH WITHOUT CURB. WASH FOR WALLS AND CEILING SLOPING AWAY. ALL WALLS IN DUTY ROOM, WAITING ROOM, ETC. ROOM, TRANS. STAFF ROOM AND ENTRANCE HALL SHOULD HAVE FIRST CLASS ROUGH SURFACE AND FINISH IN OIL BOILER DRYER (HARDY) FINISH AS PER 38-9874-1987. WITH M3 SHALL BE PROVIDED ON THE CEILING OF THE ABOVE ROOMS. SMOOTH PLASTER WITH FINISH IN WHITE DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
17	BATTERY BANK	DADO SMOOTH PLASTER FINISH WITHOUT CURB. WASH FOR WALLS AND CEILING SLOPING AWAY. ALL WALLS IN DUTY ROOM, WAITING ROOM, ETC. ROOM, TRANS. STAFF ROOM AND ENTRANCE HALL SHOULD HAVE FIRST CLASS ROUGH SURFACE AND FINISH IN OIL BOILER DRYER (HARDY) FINISH AS PER 38-9874-1987. WITH M3 SHALL BE PROVIDED ON THE CEILING OF THE ABOVE ROOMS. SMOOTH PLASTER WITH FINISH IN WHITE DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
18	STALE AIR OUTLET	THE BATTERY BANK SHOULD CONFORM TO P.D. UNIT DRG. NO. 38-9874.
19	COLLAPSIBLE GATE	THE BATTERY BANK SHOULD CONFORM TO P.D. UNIT DRG. NO. 38-9874.
20	FOUNDATION FOR MAINS	TO BE PROVIDED AS INDICATED IN P.D. UNIT DRG. NO. 38-9874. ALONG WITH SUITABLE CHAZA.
21	EARTH PITS	THE FOUNDATION FOR THE COLLAPSIBLE GATE SHALL BE ENBEDDED IN THE FLOOR SO THAT IT DOES NOT PROJECT ABOVE THE FLOOR. THE FOUNDATION BLOCK FOR THE DIESEL GEN. ROOM TO BE CONSTRUCTED BY C.C. (M3) C.C.M. WORK. TO BE SUPPLIED UNDER THE TWO NOS. FOR AUDIO AND ONE FOR TELEVISION STATION.
22	EARTH PITS	DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
23	EARTH PITS	DIESEL GEN. ROOM AND TOILETS. THE TOILETS WILL HAVE DADO UP TO HEIGHT OF 1220 MM FROM FLOOR LEVEL.
24	SHOOP BUSES OF FLOOR	TO BE PROVIDED BY C.C. (M3) C.C.M. WORK.
25	SHOOP BUSES OF FLOOR	PROVISION FOR FLOOD PROOF, LITTEENING ANTI-VIBRATION, THE VIBRANTS STATION. WATER DRAINING WATERPROOF, INTERIOR, WALLS, SECURITY FINISHES AND FIRE FIGHTING EQUIPMENTS IS TO BE MADE.
26	SHOOP BUSES OF FLOOR	THE VIBRATION IN FLOOR LEVEL IN ANY ROOM WHERE LEVEL CHANGING FLOORING IS NEEDED FOR SHOULD NOT EXCEED 2 CM. OVER A DISTANCE OF 10 CM. AND 5 CM. OVER A DISTANCE OF 1 METER. ADDITIONAL LEVEL VARIATION BETWEEN ANY TWO FLOOR SHOULD NOT EXCEED 1 CM.

1	CS1	CLAMPABLE GATE	(2400 X 2500)	
2	CS2	DOOR	95	
3	R51	ROLLING SHUTTER	(1350 X 2100)	
4	R52	DOOR	(1600 X 2100)	
5	R53	SHUTTER - DOOR	(1800 X 2100)	
6	FE	FRONT METAL DOOR SINGLE LEAF	5000 (W) X 2000 (H)	
7	FEW	FRONT WOOD FRAME DOUBLE LEAF SWING DOOR	1825(W) X 2000 (H)	
8	FEW	FRONT WOOD FRAME FLUSH DOOR SINGLE LEAF	1800 (W) X 2000 (H)	
9	DI	DOOR	765	
10	DIW	DOOR WOOD FRAME	9500 (W) X 3070 (H)	
11	TPN	TELEPHONE NICHE	610 (W) X 610 (H) X 505 (D)	
12	TPN	POWER NICHE	610 (W) X 1100 (H) X 235 (D)	
13	TPN	TELEPHONE NICHE	610 (W) X 610 (H) X 505 (D)	
14	EL	EMERGENCY LIGHT	485 (W) X 425 (H) X 235 (D)	
15	PH2	POWER NICHE	305(W) X 235 (H) X 120 (D)	
16	DO	DOOR FRAME DOUBLE SHUTTER	1500(W) X 2100 (H)	
17	DO	DOOR FRAME DOUBLE SHUTTER	1500(W) X 2100 (H)	
18	DO	DOOR FRAME SINGLE SHUTTER	1500(W) X 2100 (H)	
19	DO	CIRCULAR OPERABLE DOUBLE SHUTTER	3000 (W) X 1300 (H)	
20	VW	VIEWING WINDOW	1100 (W) X 1100 (H)	

1	CS1	CLAMPABLE GATE	(2400 X 2500)	
2	CS2	DOOR	95	
3	R51	ROLLING SHUTTER	(1350 X 2100)	
4	R52	DOOR	(1600 X 2100)	
5	R53	SHUTTER - DOOR	(1800 X 2100)	
6	FE	FRONT METAL DOOR SINGLE LEAF	5000 (W) X 2000 (H)	
7	FEW	FRONT WOOD FRAME DOUBLE LEAF SWING DOOR	1825(W) X 2000 (H)	
8	FEW	FRONT WOOD FRAME FLUSH DOOR SINGLE LEAF	1800 (W) X 2000 (H)	
9	DI	DOOR	765	
10	DIW	DOOR WOOD FRAME	9500 (W) X 3070 (H)	
11	TPN	TELEPHONE NICHE	610 (W) X 610 (H) X 505 (D)	
12	TPN	POWER NICHE	610 (W) X 1100 (H) X 235 (D)	
13	TPN	TELEPHONE NICHE	610 (W) X 610 (H) X 505 (D)	
14	EL	EMERGENCY LIGHT	485 (W) X 425 (H) X 235 (D)	
15	PH2	POWER NICHE	305(W) X 235 (H) X 120 (D)	
16	DO	DOOR FRAME DOUBLE SHUTTER	1500(W) X 2100 (H)	
17	DO	DOOR FRAME DOUBLE SHUTTER	1500(W) X 2100 (H)	
18	DO	DOOR FRAME SINGLE SHUTTER	1500(W) X 2100 (H)	
19	DO	CIRCULAR OPERABLE DOUBLE SHUTTER	3000 (W) X 1300 (H)	
20	VW	VIEWING WINDOW	1100 (W) X 1100 (H)	

A — AREA.
RCH — REAL CEILING HEIGHT FROM FLOOR TO LOWEST POINT IN THE CEILING.
FCH — FALSE CEILING HEIGHT.
A/C — AIR CONDITIONED.
A/T — ACOUSTICALLY TREATED.
C.C. — LEVEL CEMENT CONCRETE.

A — AREA.
RCH — REAL CEILING HEIGHT FROM FLOOR TO LOWEST POINT IN THE CEILING.
FCH — FALSE CEILING HEIGHT.
A/C — AIR CONDITIONED.
A/T — ACOUSTICALLY TREATED.
C.C. — LEVEL CEMENT CONCRETE.

[illegible]