

Finishing

Floor & Ceiling

PREPARED BY STAFF



Finishes—possibly sub-divided into:

1. Wall finishes
2. Floor finishes
3. Ceiling finishes

CHARACTERISTICS OF A GOOD FLOOR FINISH

- It should be durable
- It should be easy to clean
- Noiseless
- Have Good Appearance
- Free from dampness
- Fire Resistant
- Low Maintenance cost



Classification of Flooring and Finishes:

Hard Flooring and Finishes



Wood



Terrazzo



Tile



Marble

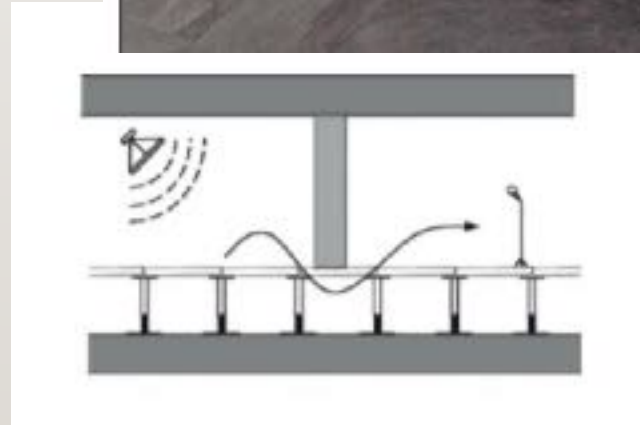
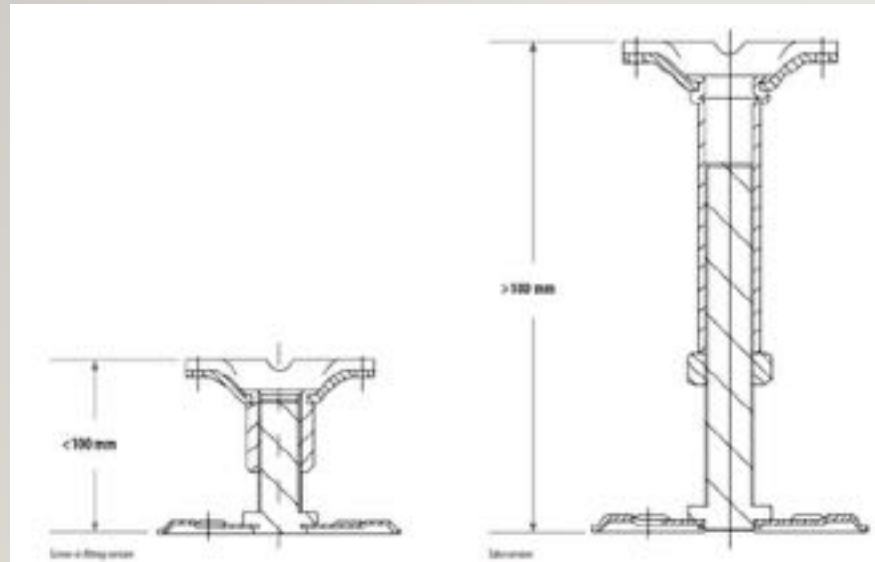
Semi-Hard Flooring and Finishes



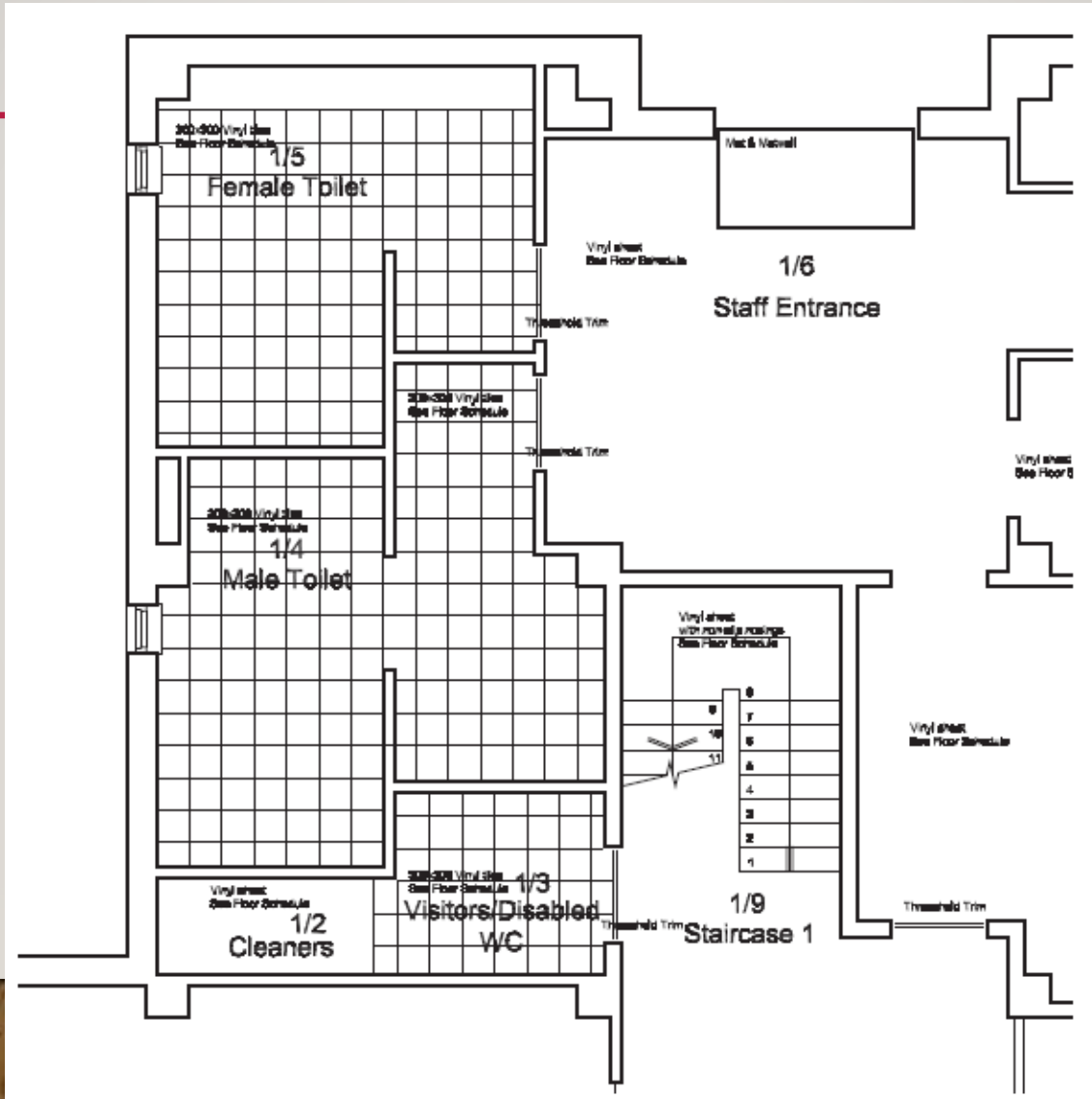
Soft Flooring and Finishes



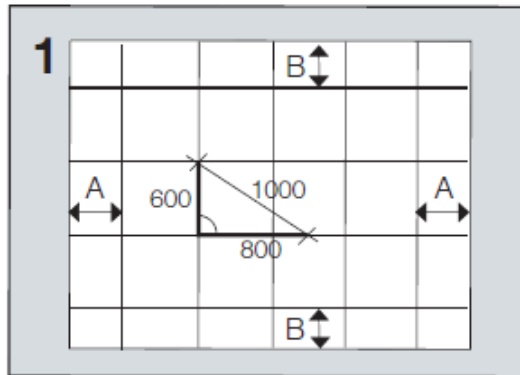
Floating Floor:



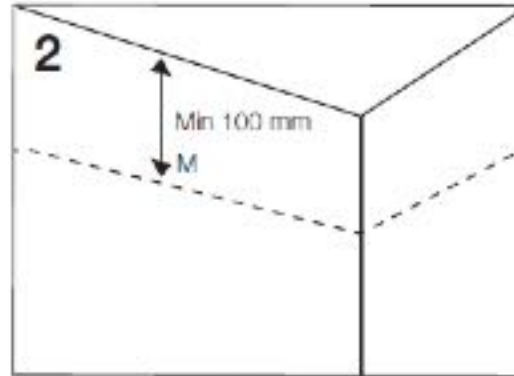
FLOOR FINISHES



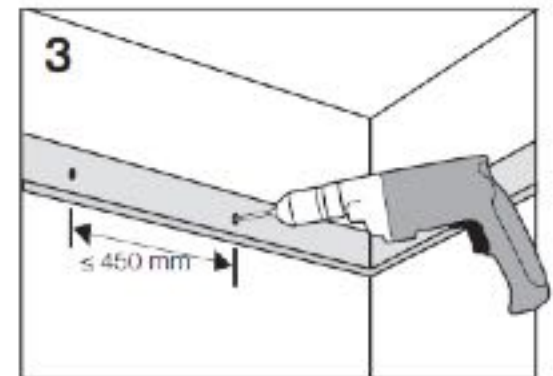
SUSPENDED CEILING



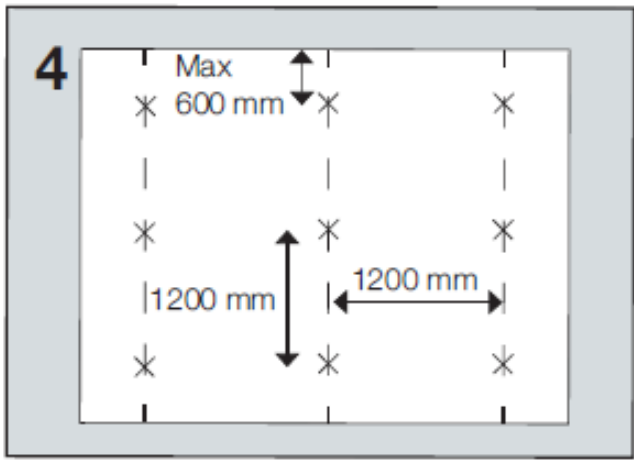
1. Planning grid layout



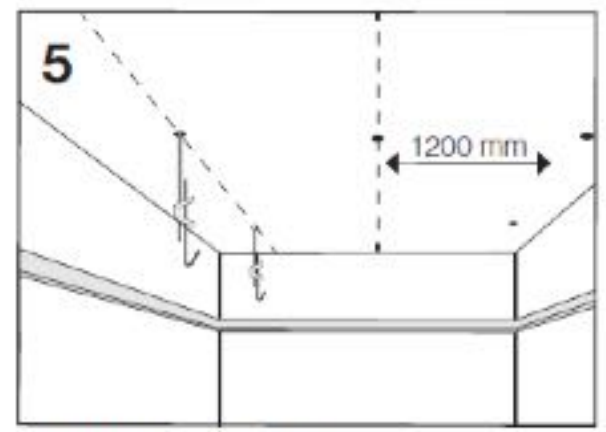
2. Mark perimeter trim lines



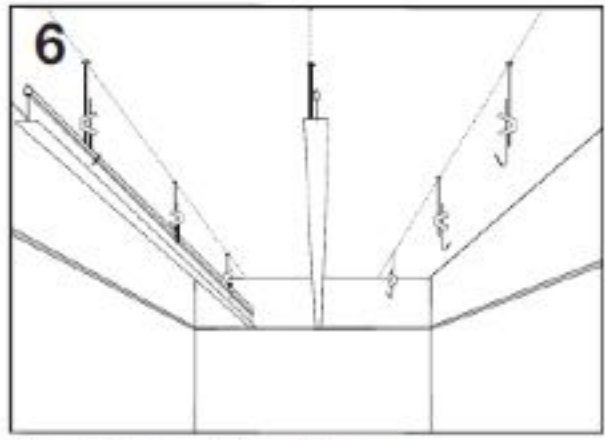
3. Installing perimeter trims (Wall angle)



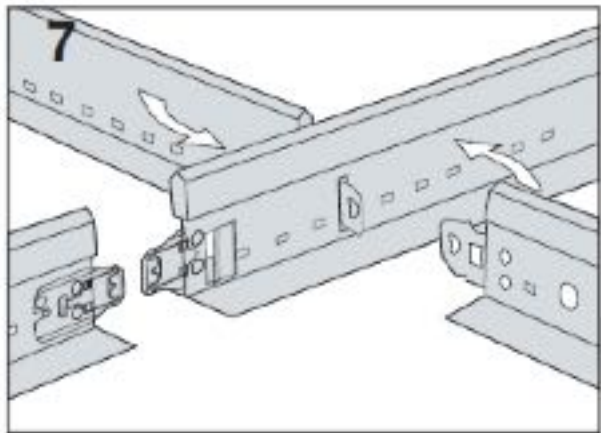
4. Mark hanger positions



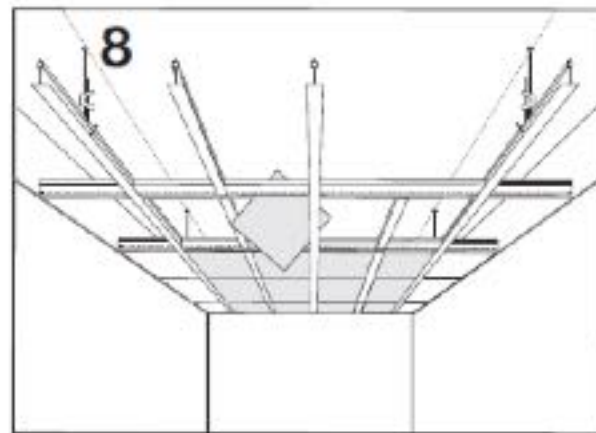
5. Installation of hangers



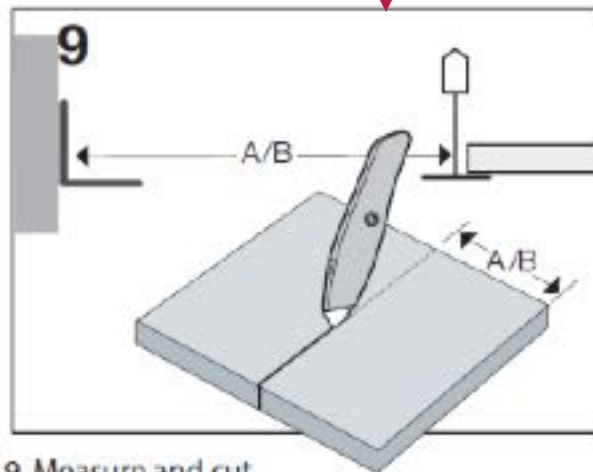
6. Installation of Main Runners



7. Cross Tees installation

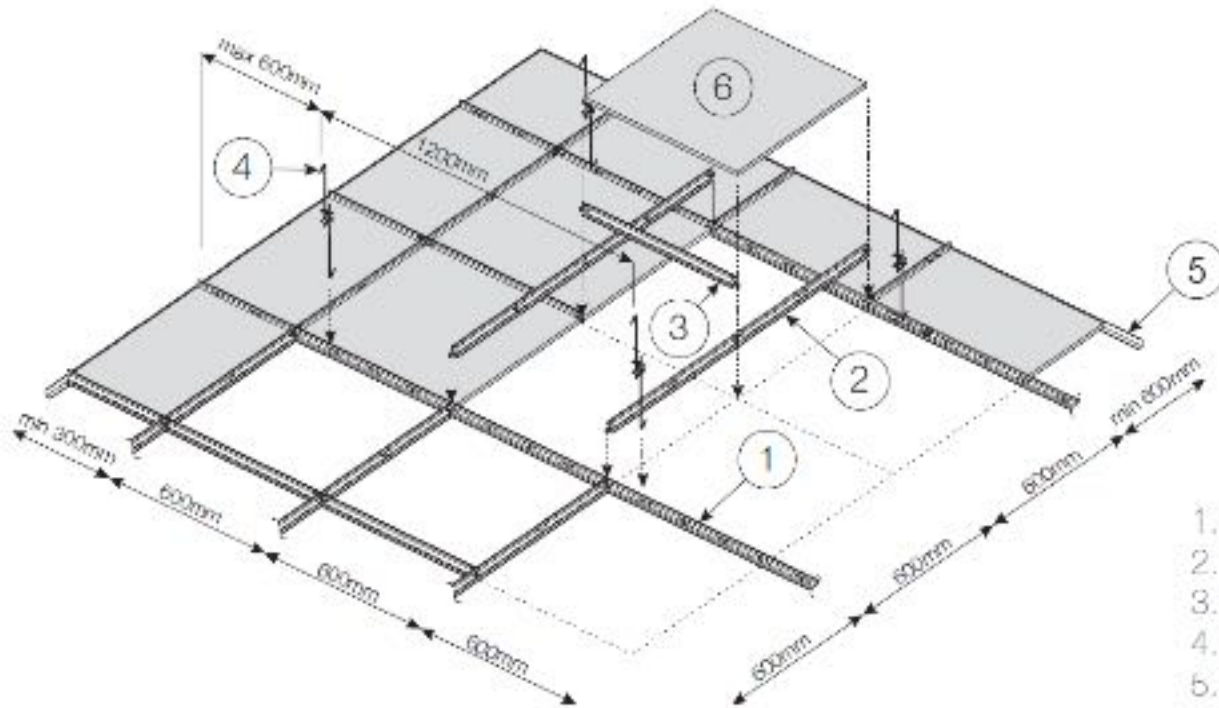


8. Installation of field and service tiles



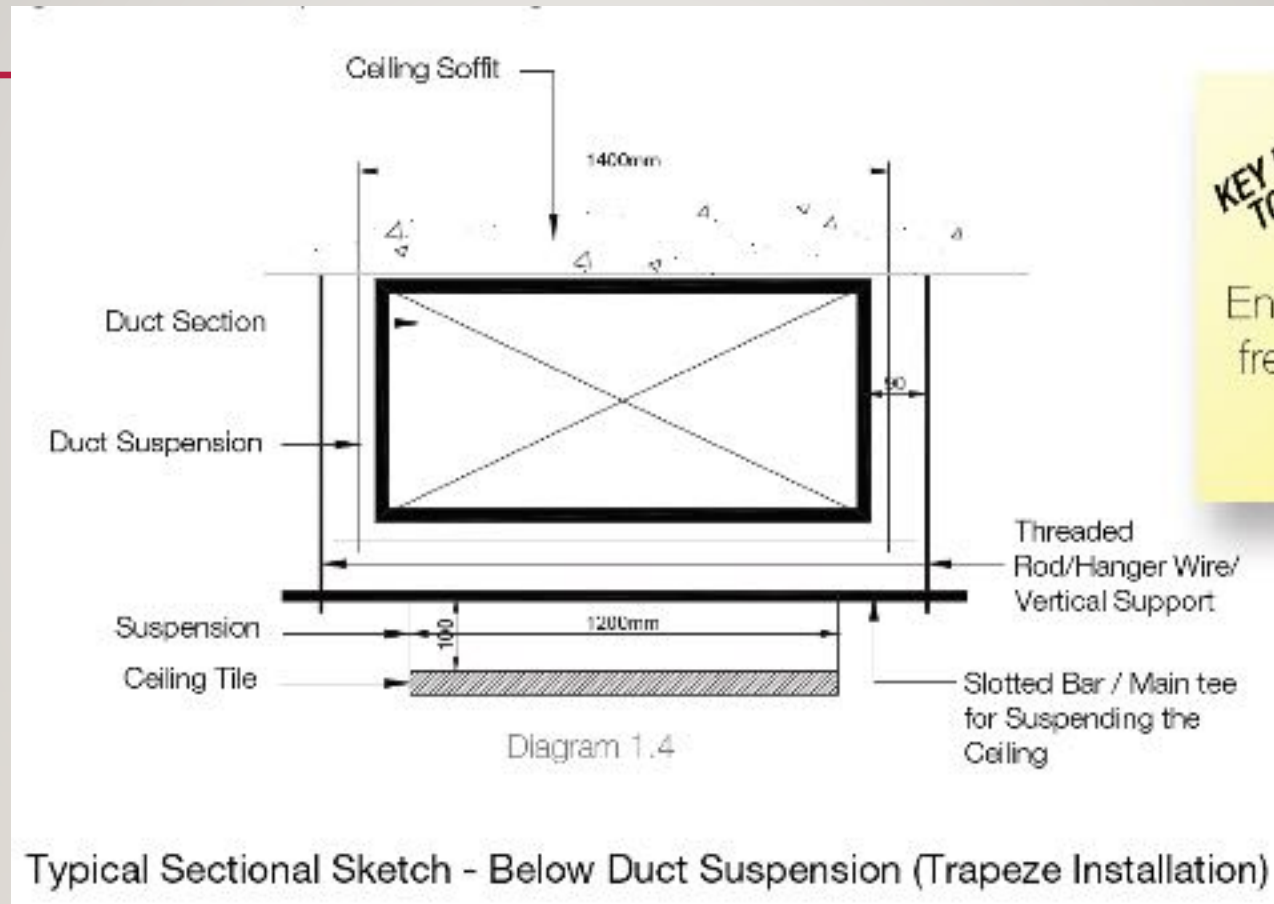
9. Measure and cut border tiles

SUSPENDED CEILING



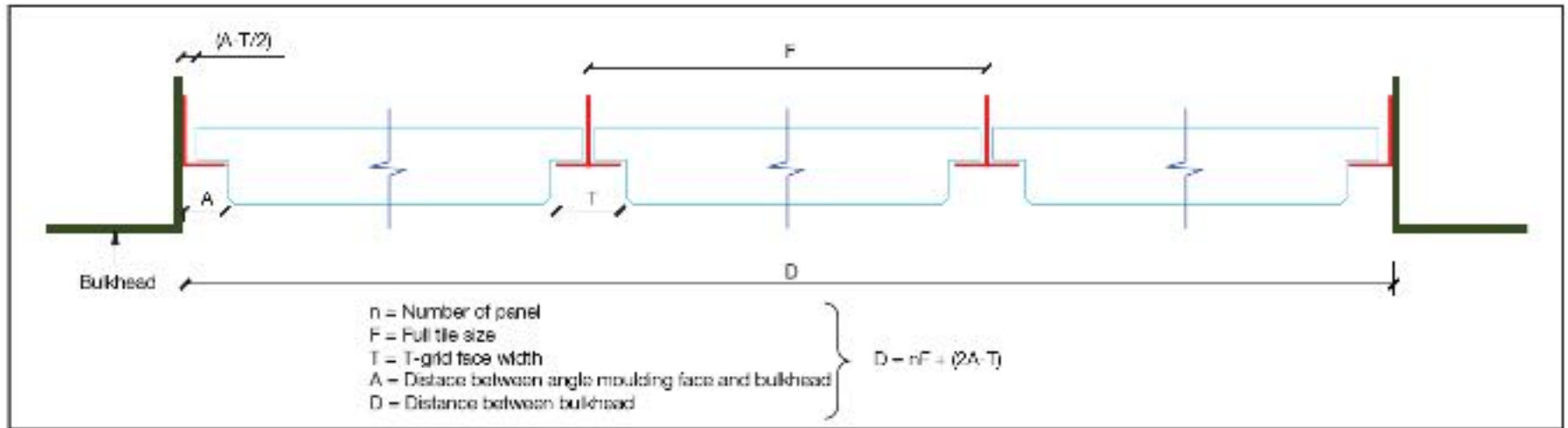
1. Main Runner
2. 1200mm Cross Tee
3. 600mm Cross Tee
4. Suspension System
5. Wall Angle
6. Tile

DUCT SECTION



Typical Sectional Sketch - Below Duct Suspension (Trapeze Installation)

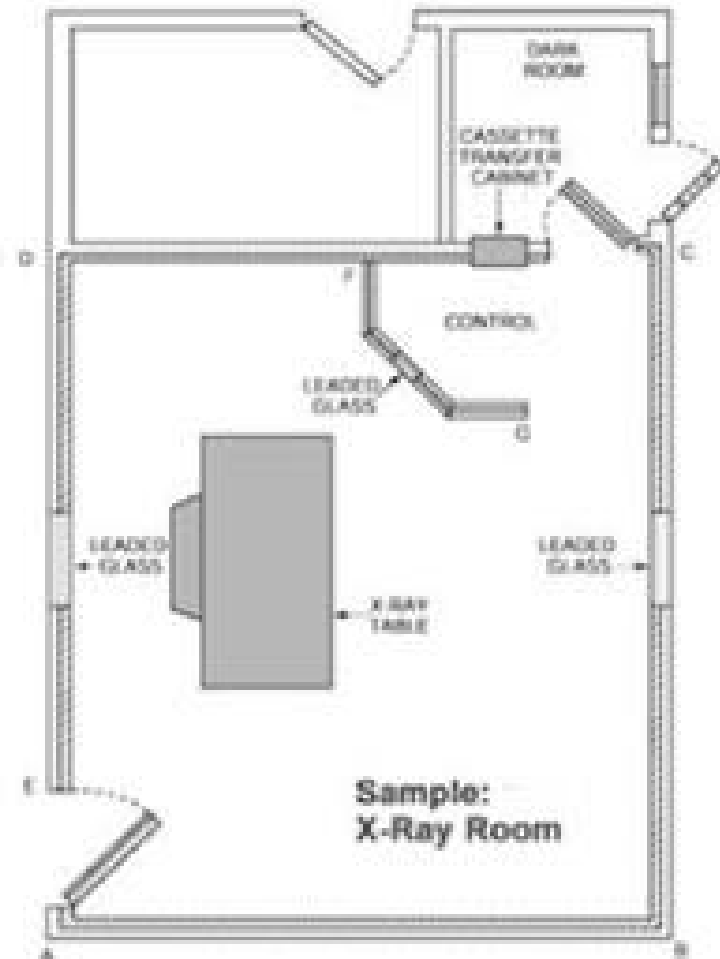
SECTION OF SUSPENDED CEILING



ROOM NAME		ROOM NO.				
ELEMENT	FINISH	SPEC. CLAUSE NO.	COLOUR			
FLOOR						
SKIRTING						
HEATER						
WALLS	1					
	2					
	3					
	4					
COLUMNS						
CILLS						
WINDOWS						
DOORS						
FRAMES						
CEILING						
FITTINGS						
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse; text-align: center;"> <tr><td>1</td></tr> <tr><td>4 2</td></tr> <tr><td>3</td></tr> </table> </div> WALL NOS.		1	4 2	3	NOTES	
		1				
		4 2				
		3				
		A				
B						
C						
D						
E						

Finishes given in Schedule form.

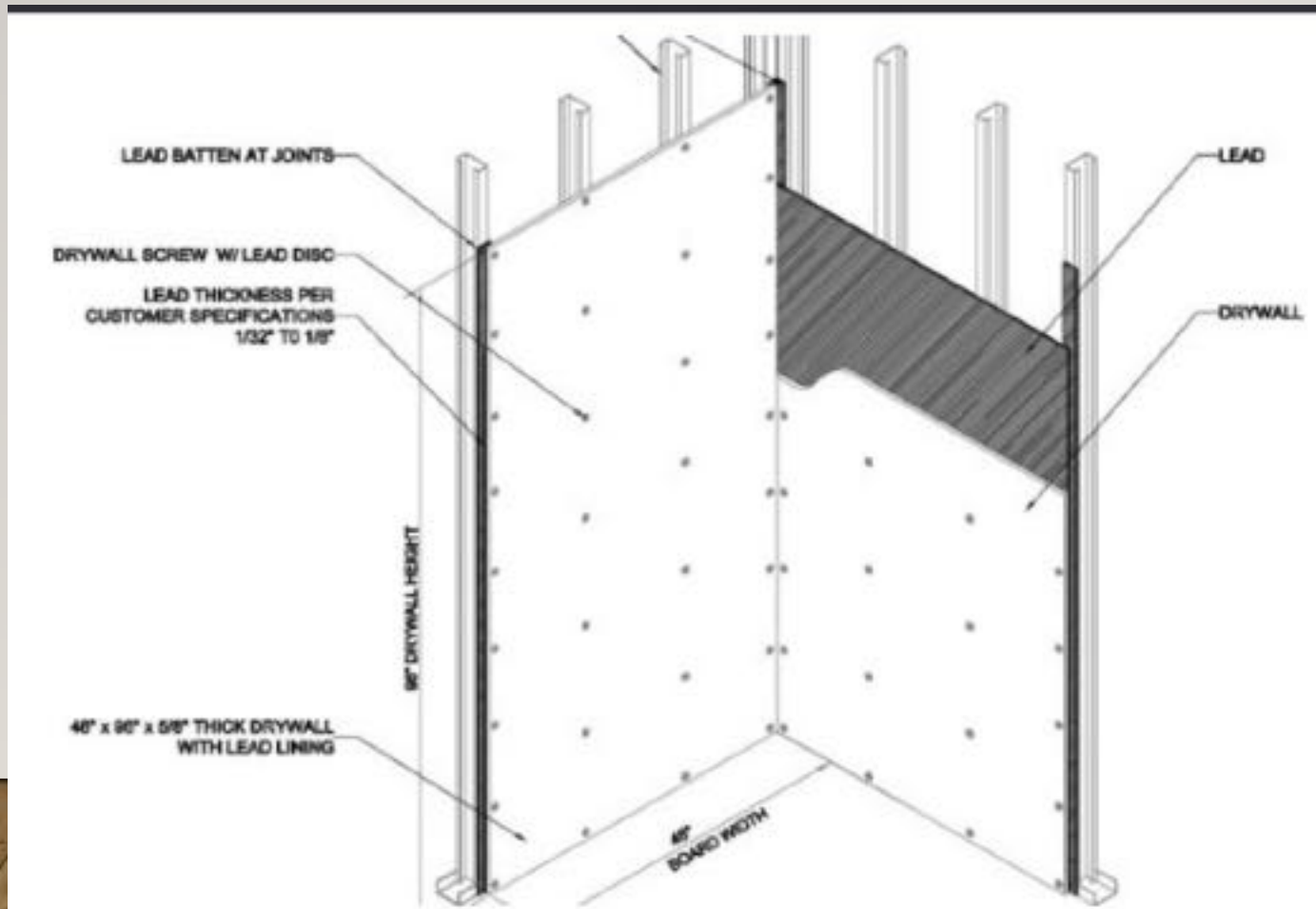
X-RAY ROOM



LEAD SHIELDING FOR WALLS, CEILINGS & FLOORS

1. LEAD LINED DRYWALL

- 1/32" to 1/8" lead thickness, 1/2" or 5/8" drywall thickness
- Common drywall sizes with lead to specified height:
48" x 96", 48" x 108", 48" x 120"
- Panels and battens are easily cut using conventional hand or power saws



CEILING PANELS

- The bonding of lead to 12mm plywood gives structural strength and provides a suitable alternative for ceilings. It is strongly recommended that the overall panel weight does not exceed 25kg.

Floor Panels

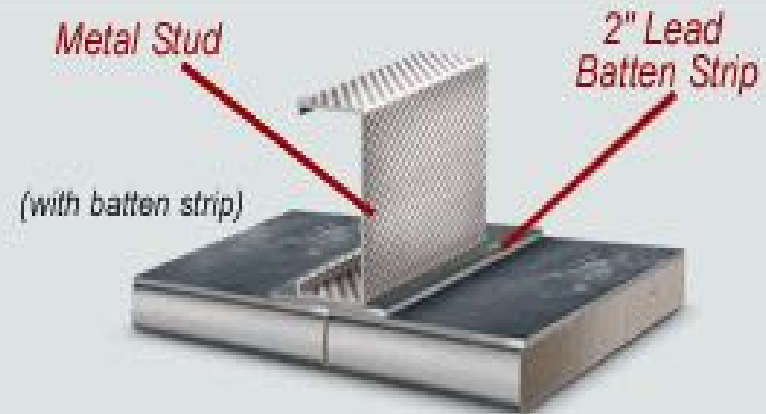
- For floor protection, the plywood can be reduced to 9mm and the edges rebated to receive lead tape, protecting the joints and giving a flush finish

Panel Type	Plasterboard 600mm wide		Plywood 600mm wide	
	2400mm	3000mm	2400mm	3000mm
Code3 lead (1.32mm)	35kg	43kg	30kg	36kg
Code4 lead (1.80mm)	43kg	53kg	38kg	46kg
Code5 lead (2.24mm)	50kg	62kg	45kg	55kg
Code6 lead (2.65mm)	57kg	71kg ^[1]	52kg	64kg
Code7 lead (3.15mm)	65kg ^[1]	81kg ^[1]	60kg	74kg

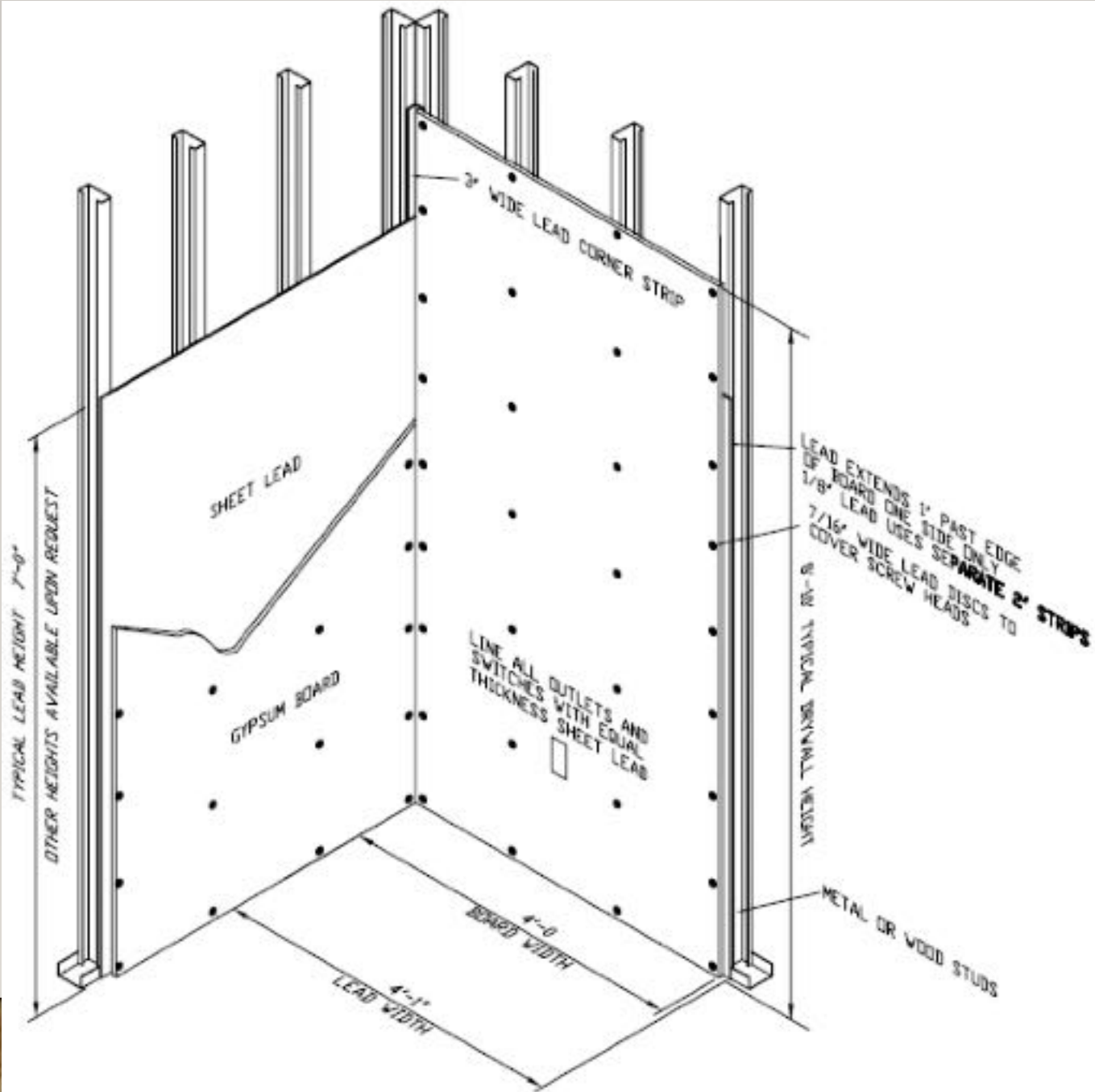
2. LEAD LINED GYPSUM BOARD

- **Standard Lead Sheet Thickness:** 1/32 in, 3/64 in, 1/16 in, 5/64 in, 3/32 in, 1/8 in
 - **Gypsum Board Sizes:** 4 ft X 8 ft, 4 ft X 9 ft, 4 ft x 10 ft, 4 ft x 12 ft
-

48 inch Lead Lined Gypsum Board



- Single unpierced layer of sheet lead
- Lead Lined Sheet is flush with the edge
- 2\" Lead Batten Strips included for installation
- Uses Type S Bugle Head screw fasteners



3. LEAD LINED PLYWOOD

- Lead lined plywood is furnished in 4' x 8' sheets or can be configured to specifications required. All penetrations into the lead lined area should be lined with lead of the same thickness as the lead used to prevent radiation leakage.
- Lead thickness greater than 1/8" should be on lead-lined plywood





HINGED AND SLIDING LEAD LINED DOOR SETS

- All doors have a solid core, lipped on the long edges but with the lead extending to the full door size. Hinged double door sets with equal or unequal leaves have lead protected meeting stiles.

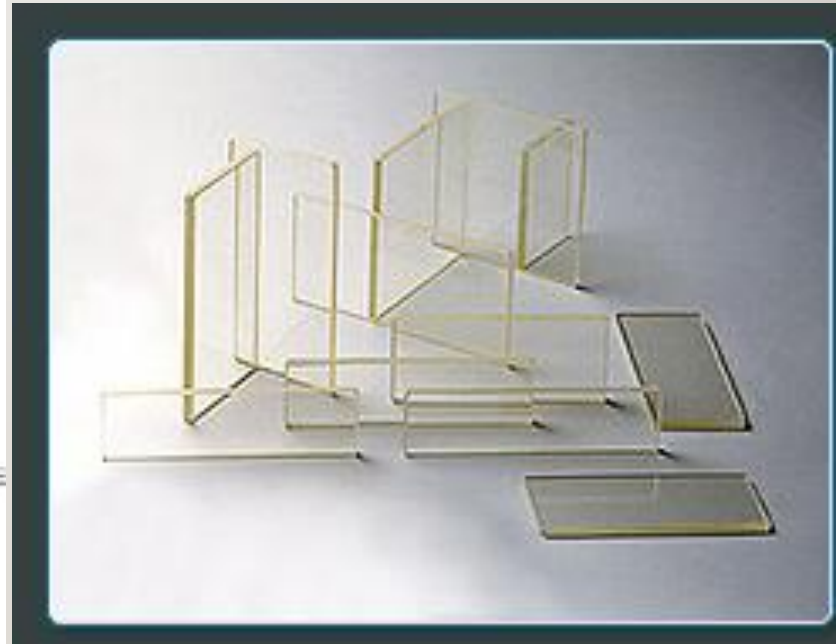
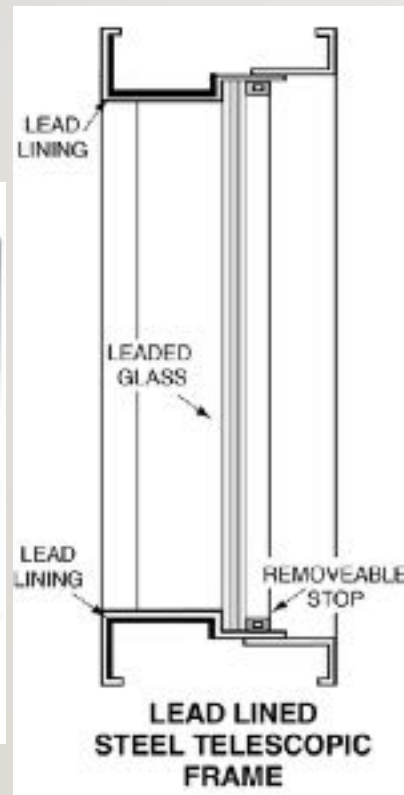
British Standard Lead Thickness

Code 3	1.32mm
Code 4	1.80mm
Code 5	2.24mm
Code 6	2.65mm
Code 7	3.15mm
Code 8	3.55mm



LEAD GLASS

- large bulk stocks of x-ray shielded glass in sheet sizes 2000mm x 1000mm and four thicknesses which give lead equivalents from 1.5mmPb to 3.2mmPb



Thanks For Your Attention

