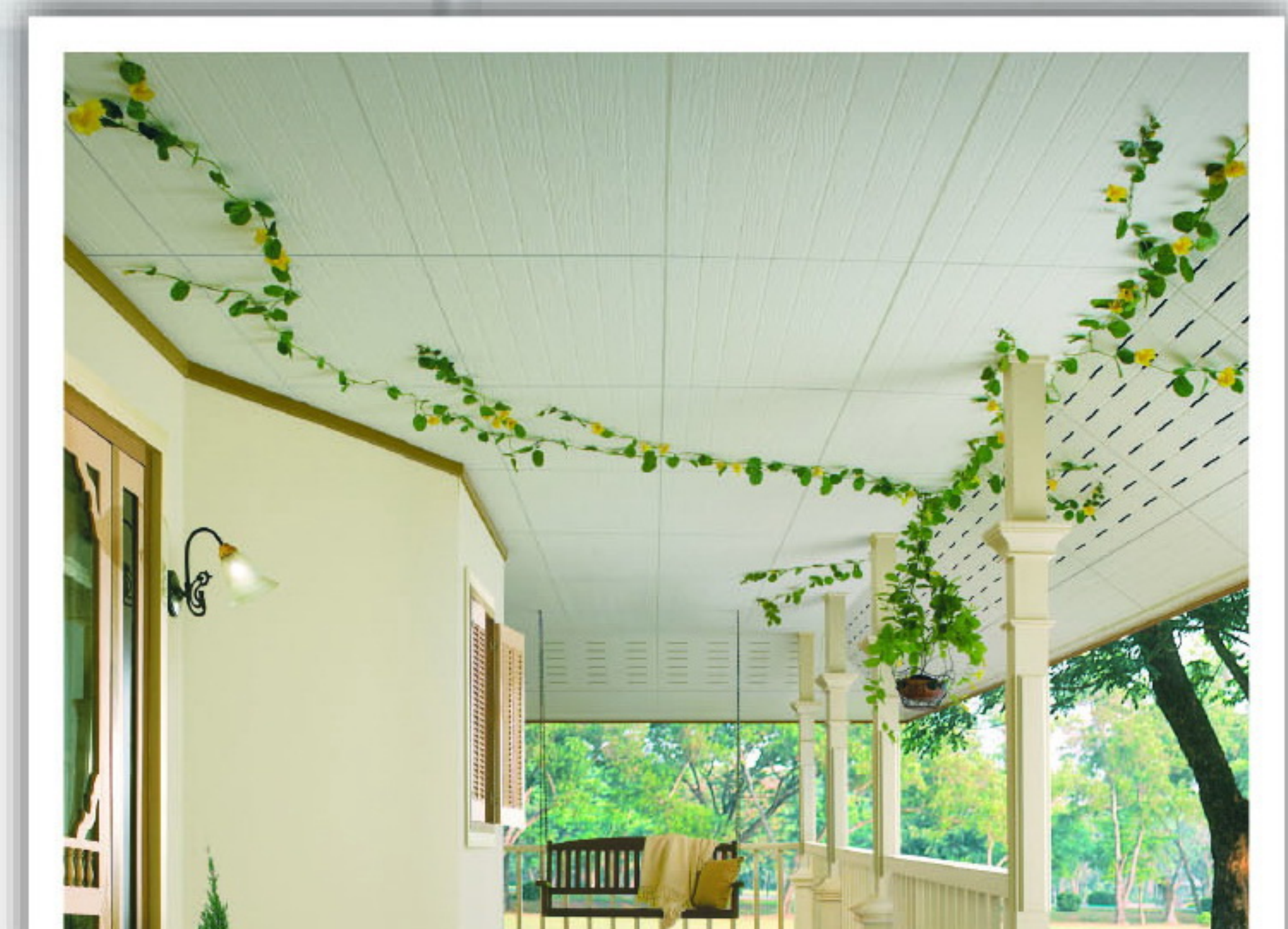
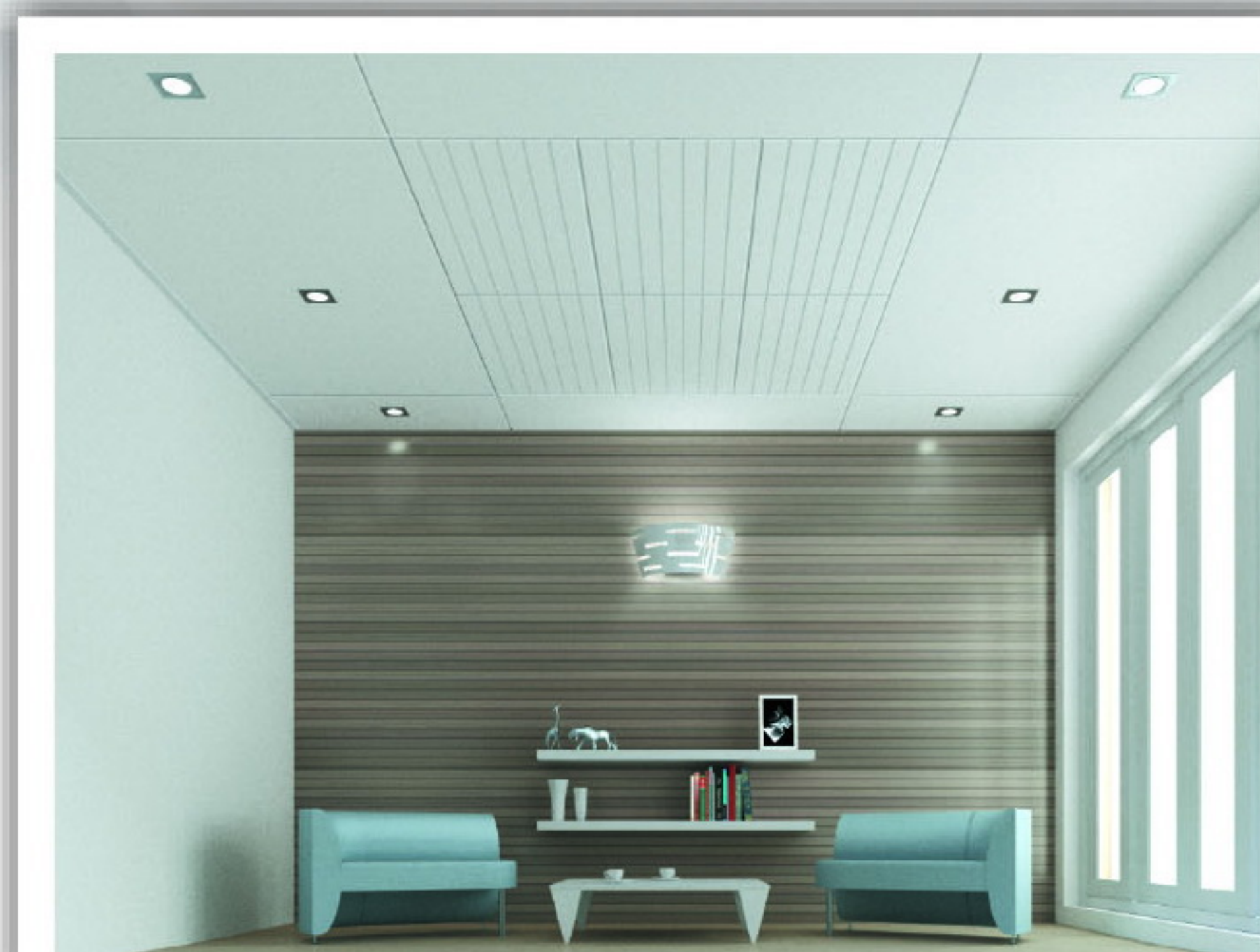


Mix & Match Ceiling Series by SCG Smartboard

Fiber Cement Board Non Asbestos

FIRM FLEX
TECHNOLOGY



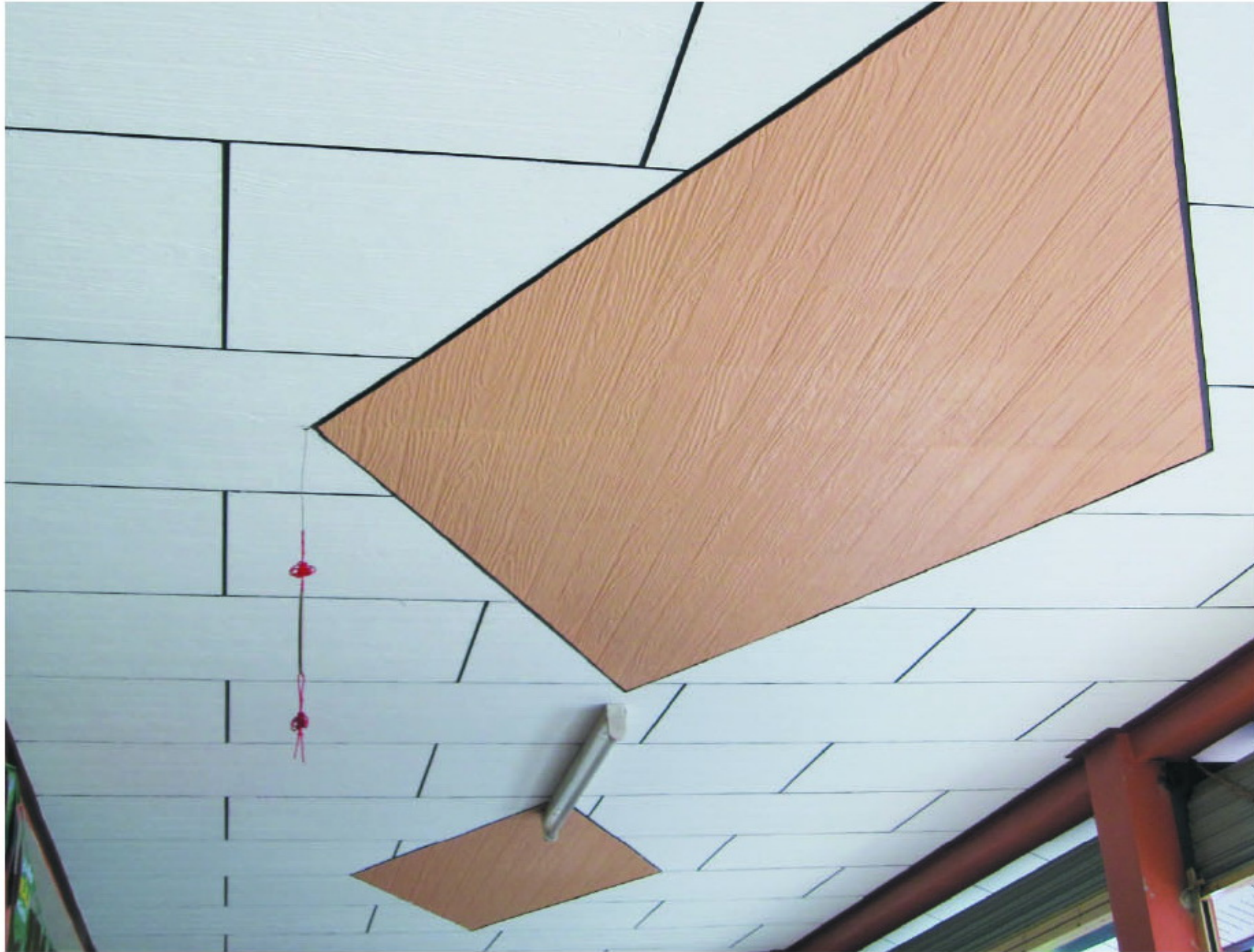


SCG Smartboard

is a new generation of fiber cement material with **FIRM & FLEX** Technology made the board gain strength, durability and elasticity in one time. SCG Smartboard, with state-of-the-art composition of Elephant (SCG) Portland Cement, Silica and Special cellulose fiber through Autoclave process, is specifically designed for various ceiling, wall and flooring applications both internal and external usage.

Special Properties		
FIRM	High impact strength	High impact strength from state-of-the-art composition of Elephant (SCG) Portland Cement, Silica and Special cellulose developed by our laboratory.
	Water-Resistance and Non-decay	Long lasting even using in hot, humid and strong raining weather condition according to JIS Standard A5420.
	Termile Resistance	Termile resistance from Portland cement material.
FLEX	Flexibility for various designs	Bendable, No water is needed to applied while bending the board. R = 1.0 m. 4 mm. 1 m. bending radius R = 1.5 m. 6 mm. 1.5 m. bending radius R = 2.0 m. 8 mm. 2.0 m. bending radius R = 4.0 m. 10 mm. 4.0 m. bending radius
	Light weight, fast and easy to install	With only 30 kg. per sq.m. total weight of internal partition and faster installation than conventional system, it provides flexibility of designs and durability of applications better than conventional systems.
	Better heat resistance	With specially low heat conductivity compared to typical light-weight ceiling and wall material. SCG Smartboard is the ideal material for preventing heat from external environment, reducing energy consumption and answering green designs.

Mix & Match Series by SCG Smartboard



Internal Ceiling 1

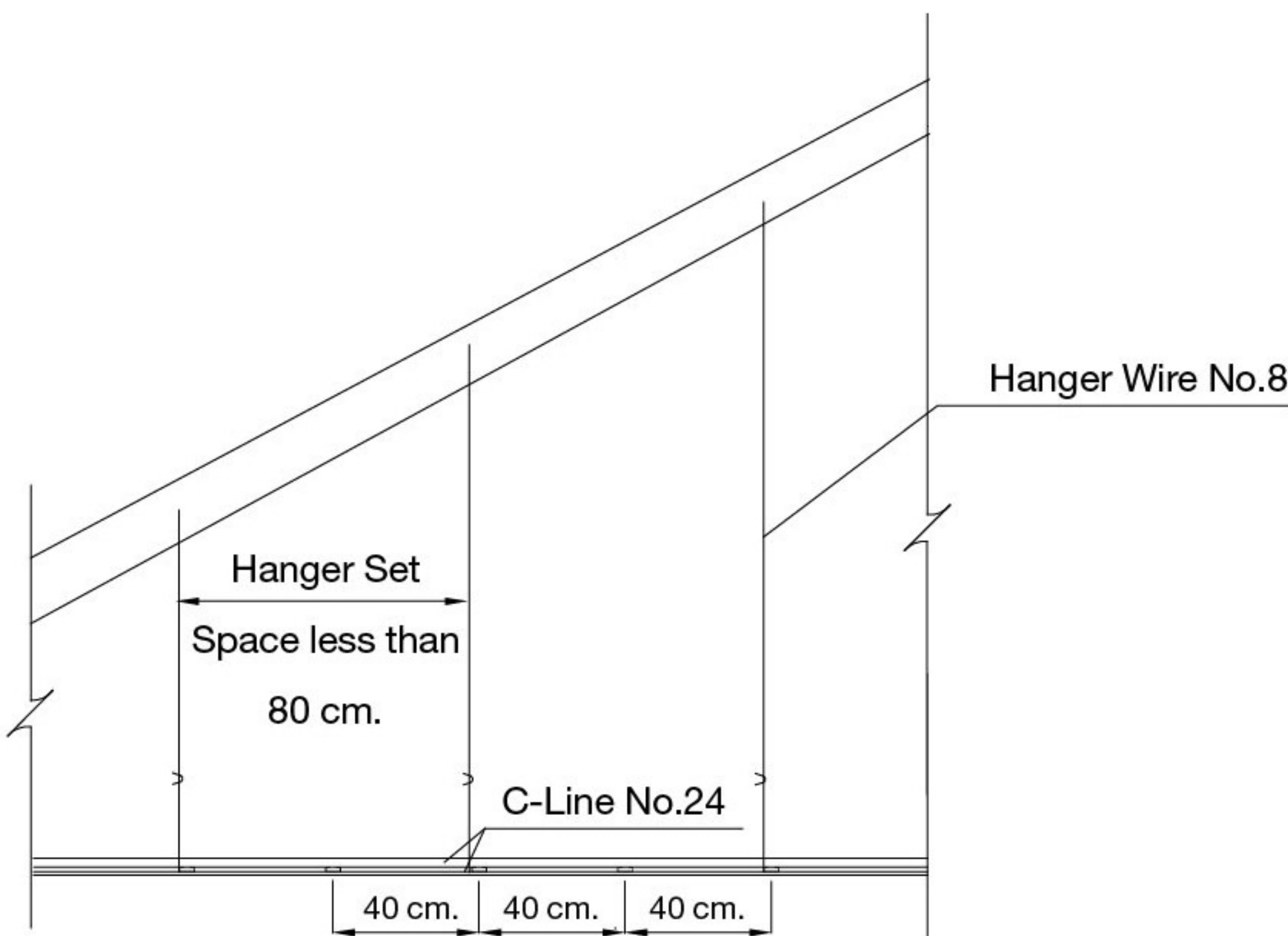
Using several series of SCG Smartboard to make your ceiling fabulous.

Area: 3.00 m. X 3.00 m.

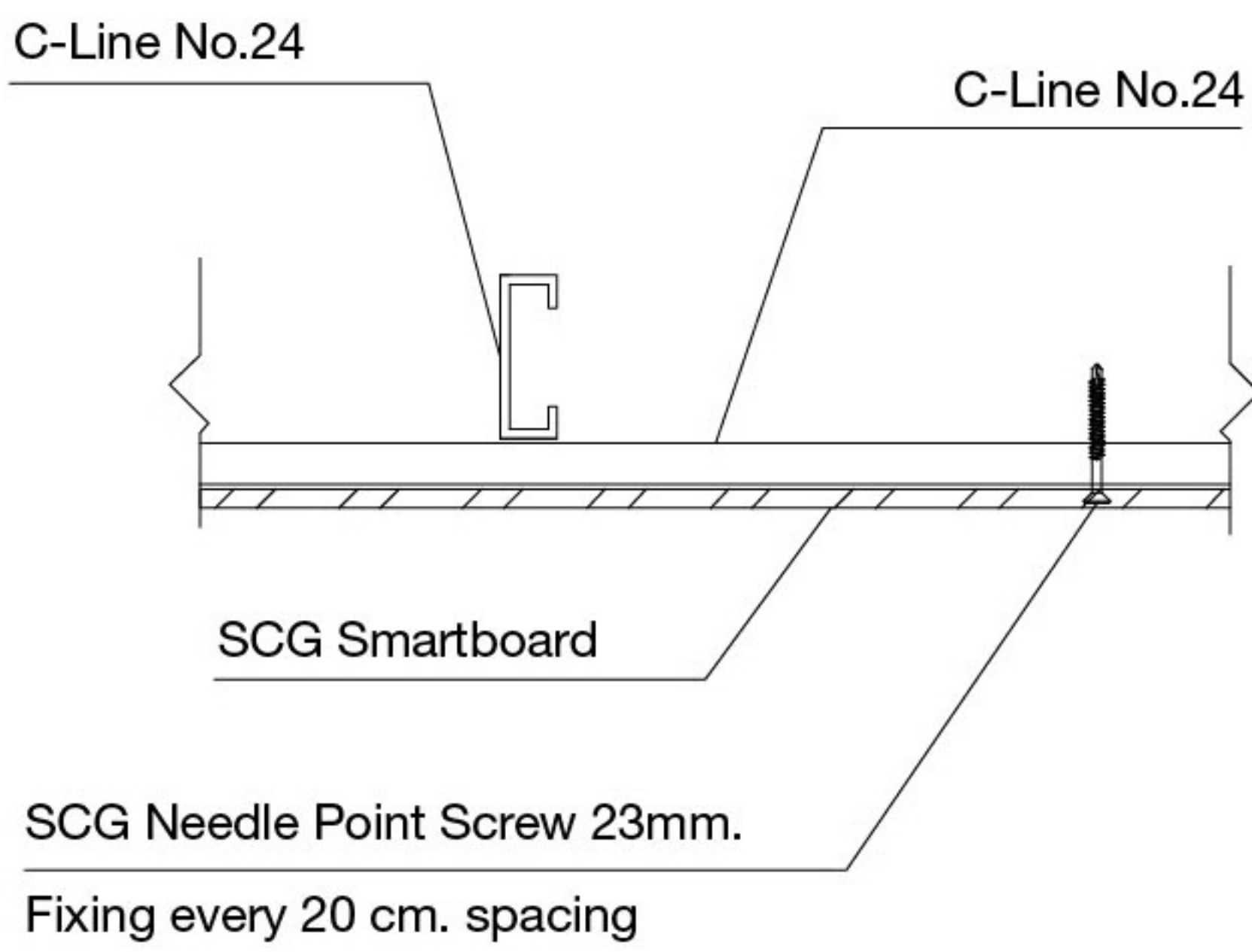
Order	Description	Amount	Unit
1	SCG Smartboard 3 Inches Lining 60X120X0.4 cm.	6	sheet
2	SCG Smartboard Wood Grain 60X120X0.4 cm.	2	sheet
3	SCG Smartboard Square Edge 60X120X0.4 cm.	5	sheet
4	C-Line No.24	18	pcs
5	Wall Angle*	5	pcs
6	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	12	set
7	Connect Clip*	26	pcs
8	SCG Plastic Insert 37 mm.	17	pcs
9	SCG Needle Point Screw 23 mm.	210	pcs
10	SCG Needle Point Screw 38 mm.	17	pcs
11	SCG Smartboard Polyurethane Sealant 310 ml.	2	tube

*Available in leading building material stores.

1



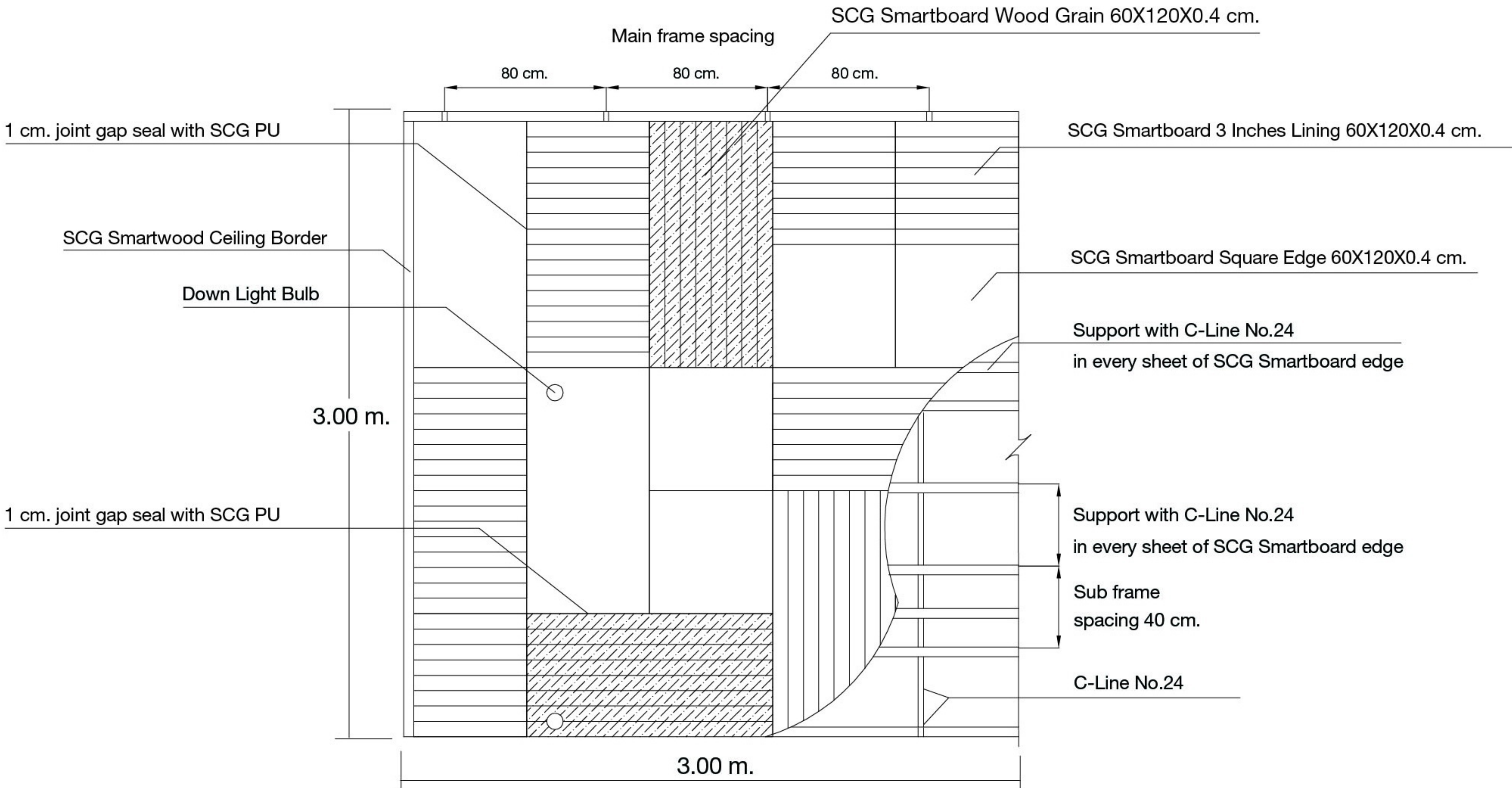
2



Section

Detail

3



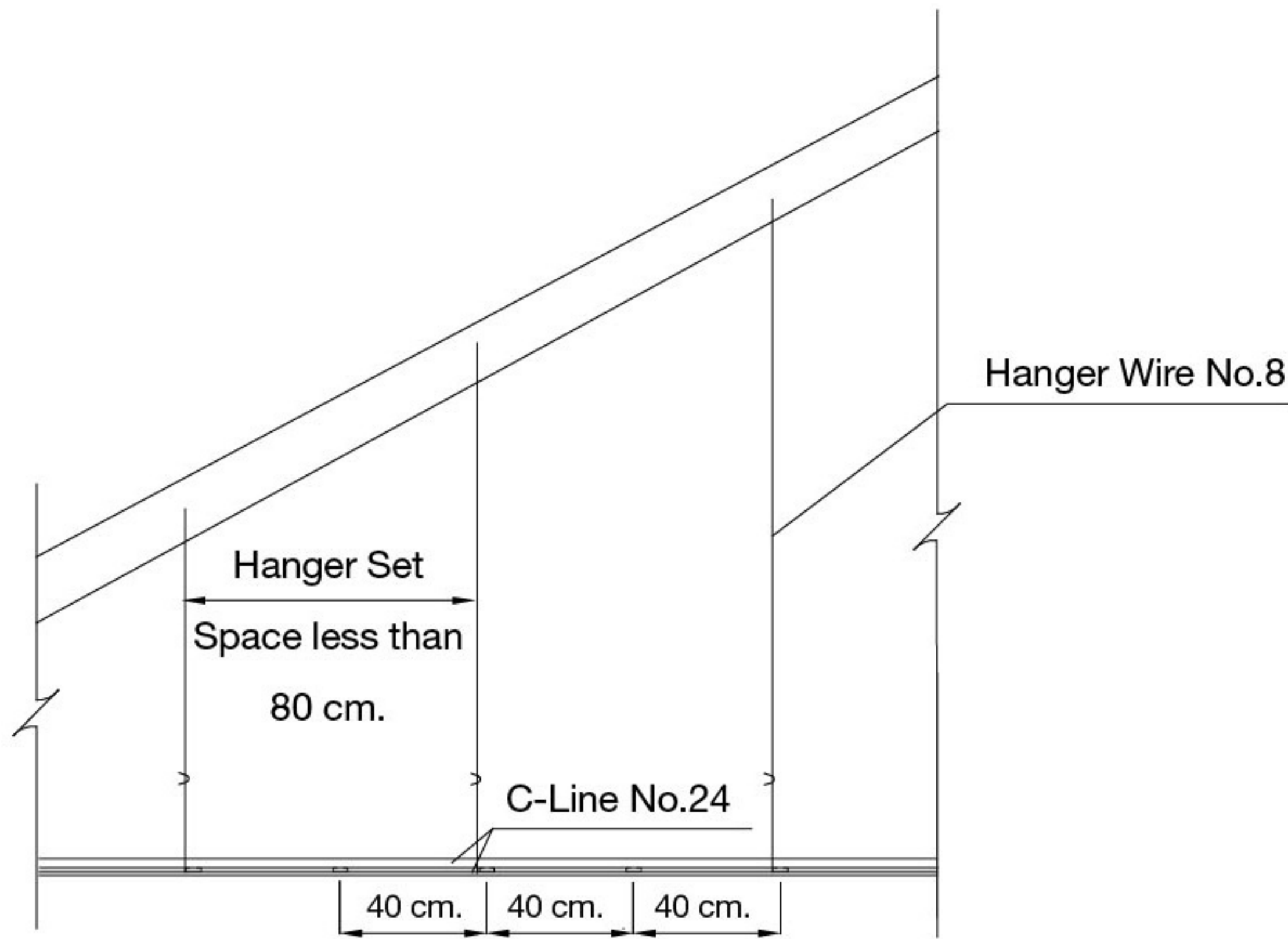
Internal Ceiling 2 Internal Space Lining Ceiling by SCG Smartboard Square Edge 4 mm. thick.

Area: 3.00 m. X 3.00 m.

Order	Description	Amount	Unit
1	SCG Smartboard Square Edge 120X240X0.4 cm.	4	sheet
2	C-Line No.24	13	pcs
3	Wall Angle*	5	pcs
4	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	12	set
5	Connect Clip*	26	pcs
6	SCG Plastic Insert 37 mm.	17	pcs
7	SCG Needle Point Screw 23 mm.	210	pcs
8	SCG Needle Point Screw 38 mm.	17	pcs
9	SCG Smartboard Polyurethane Sealant 310 ml.	2	tube

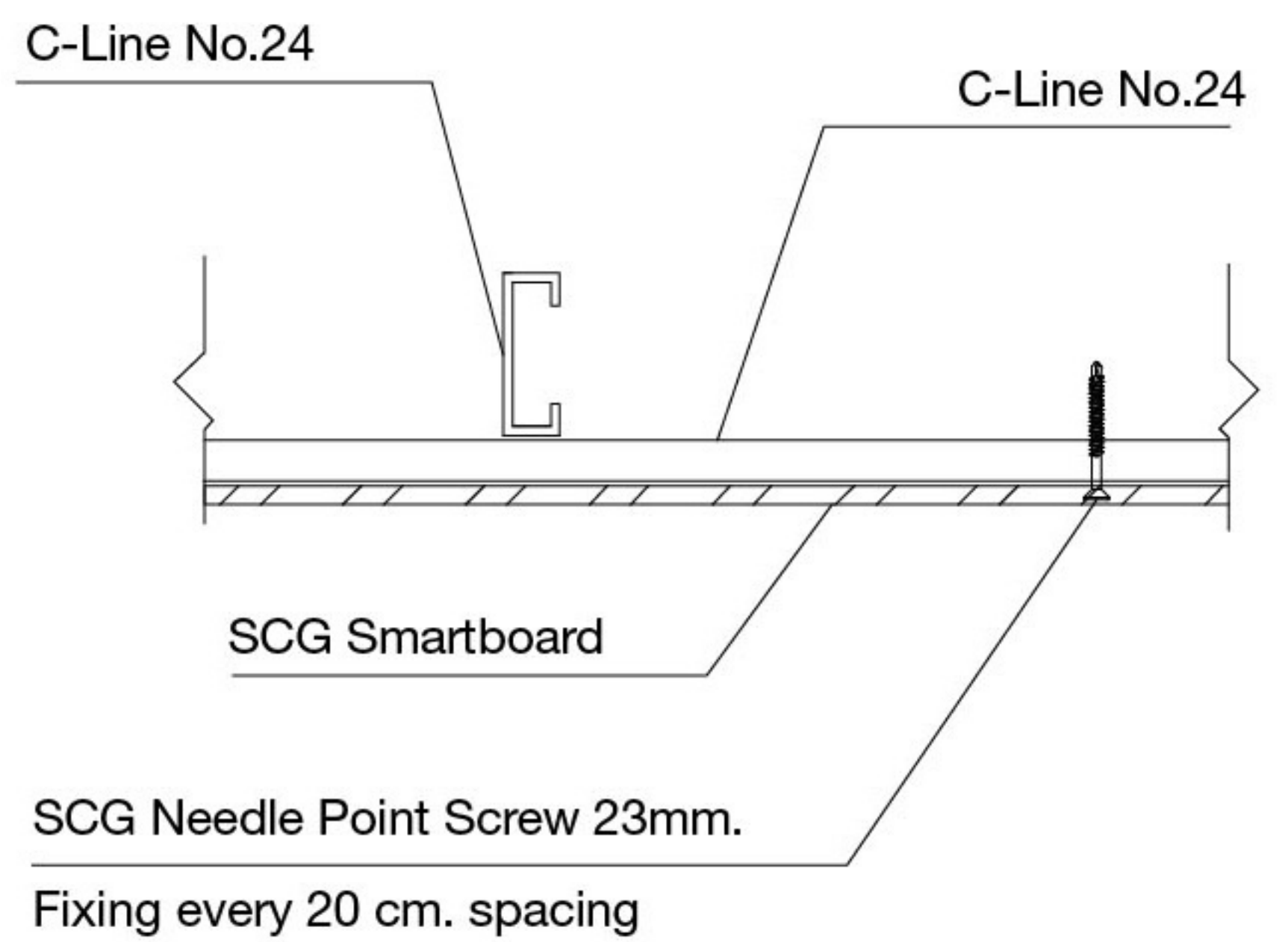
*Available in leading building material stores.

1



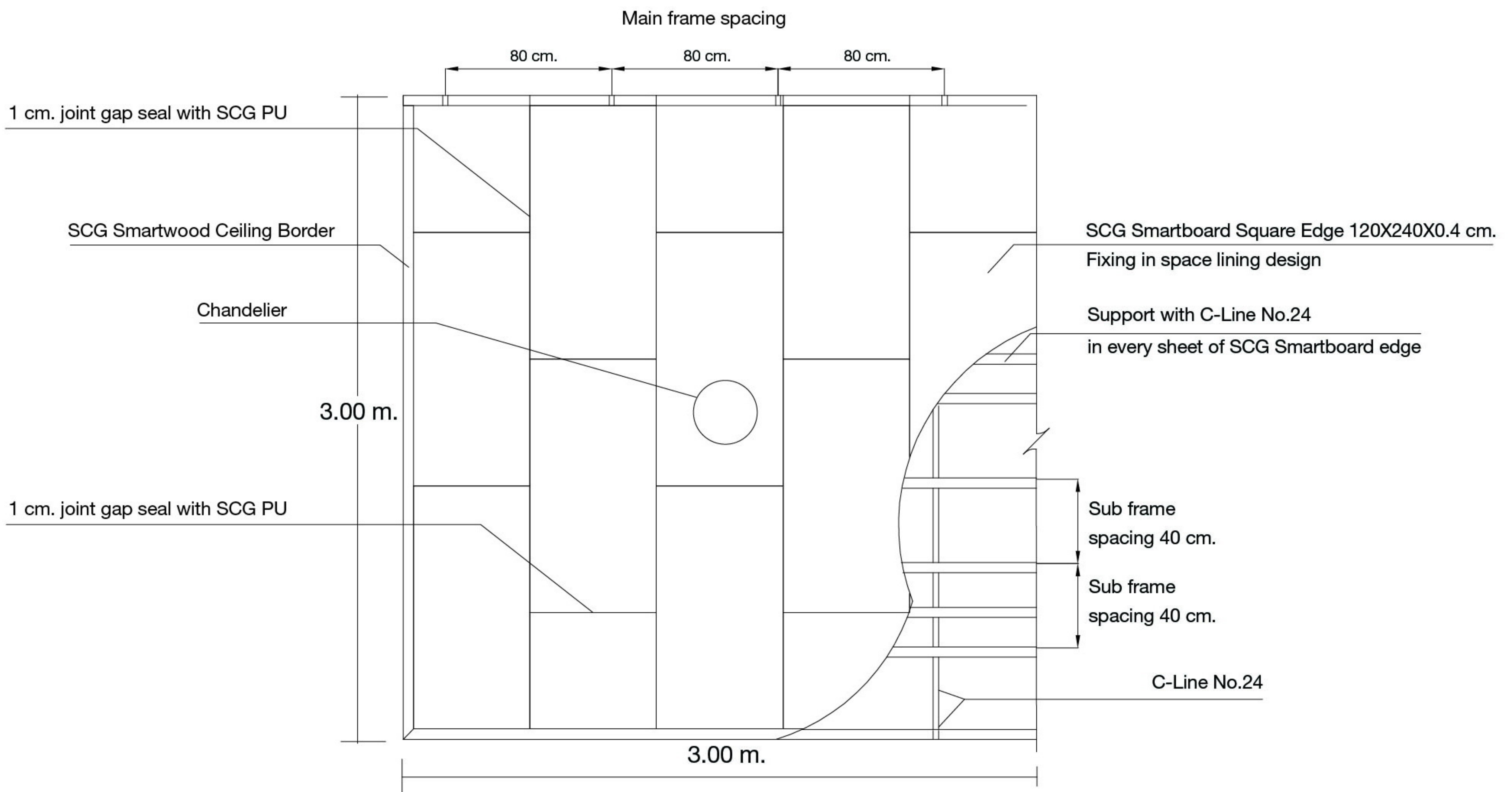
Section

2



Detail

3



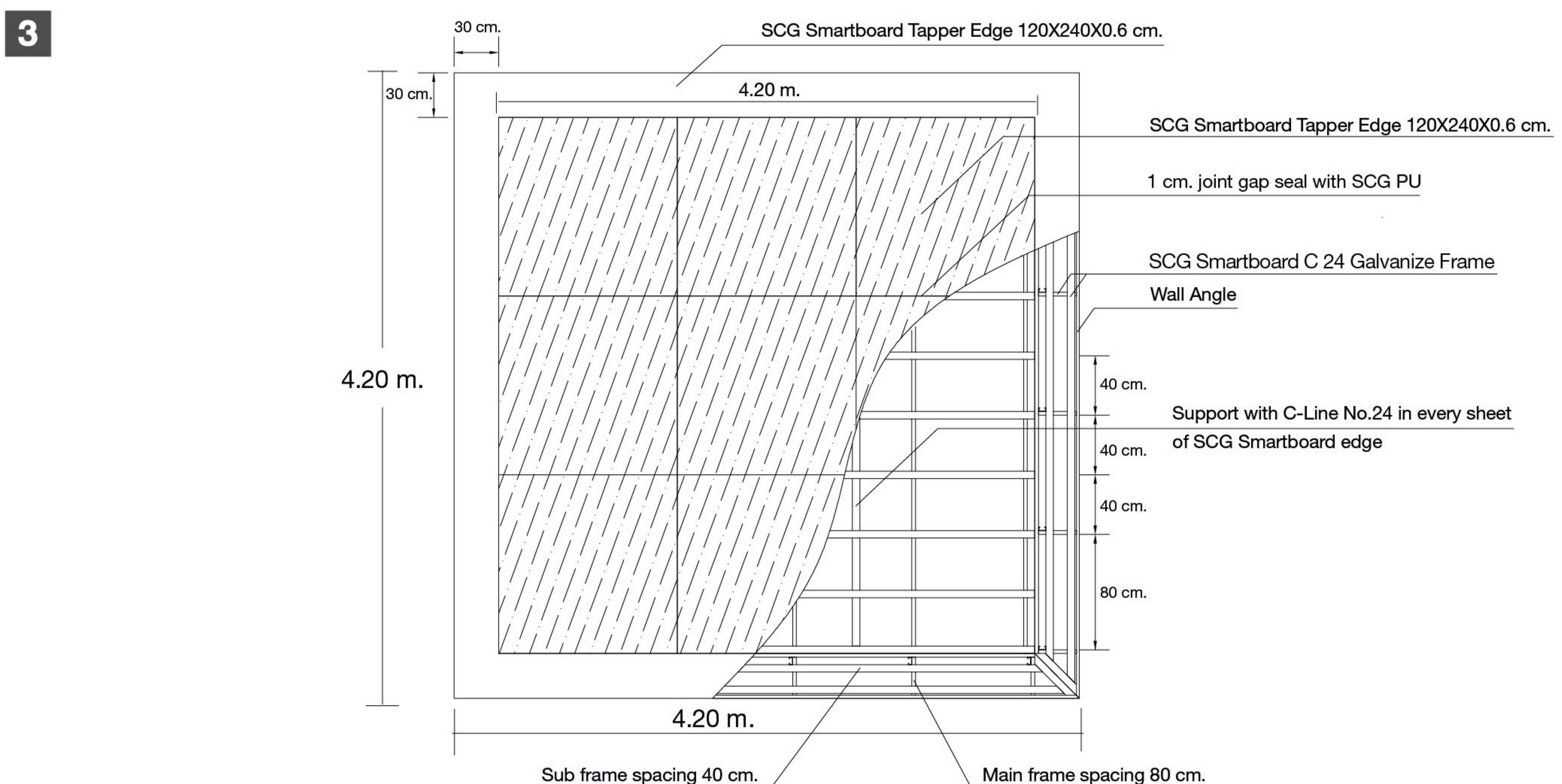
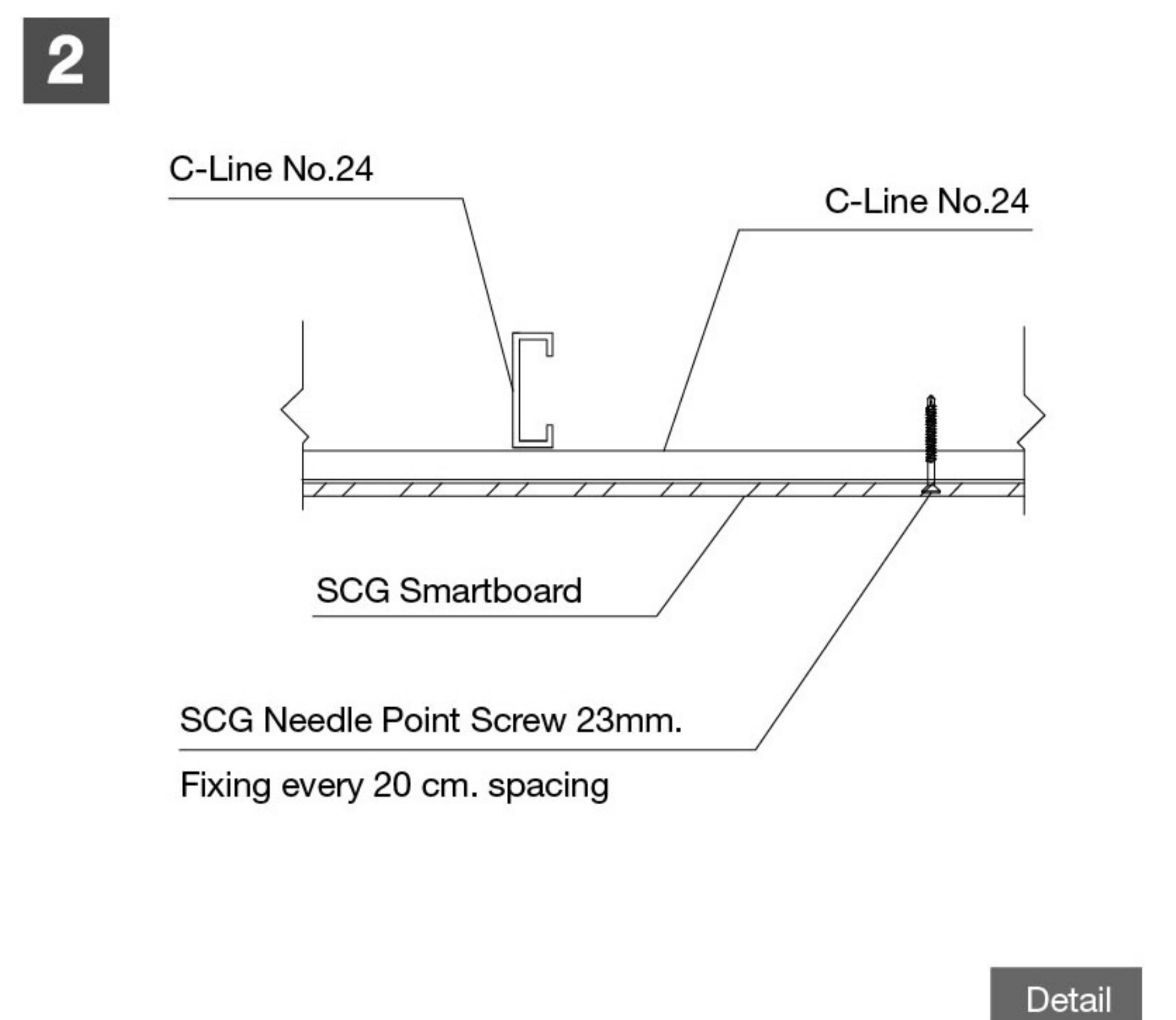
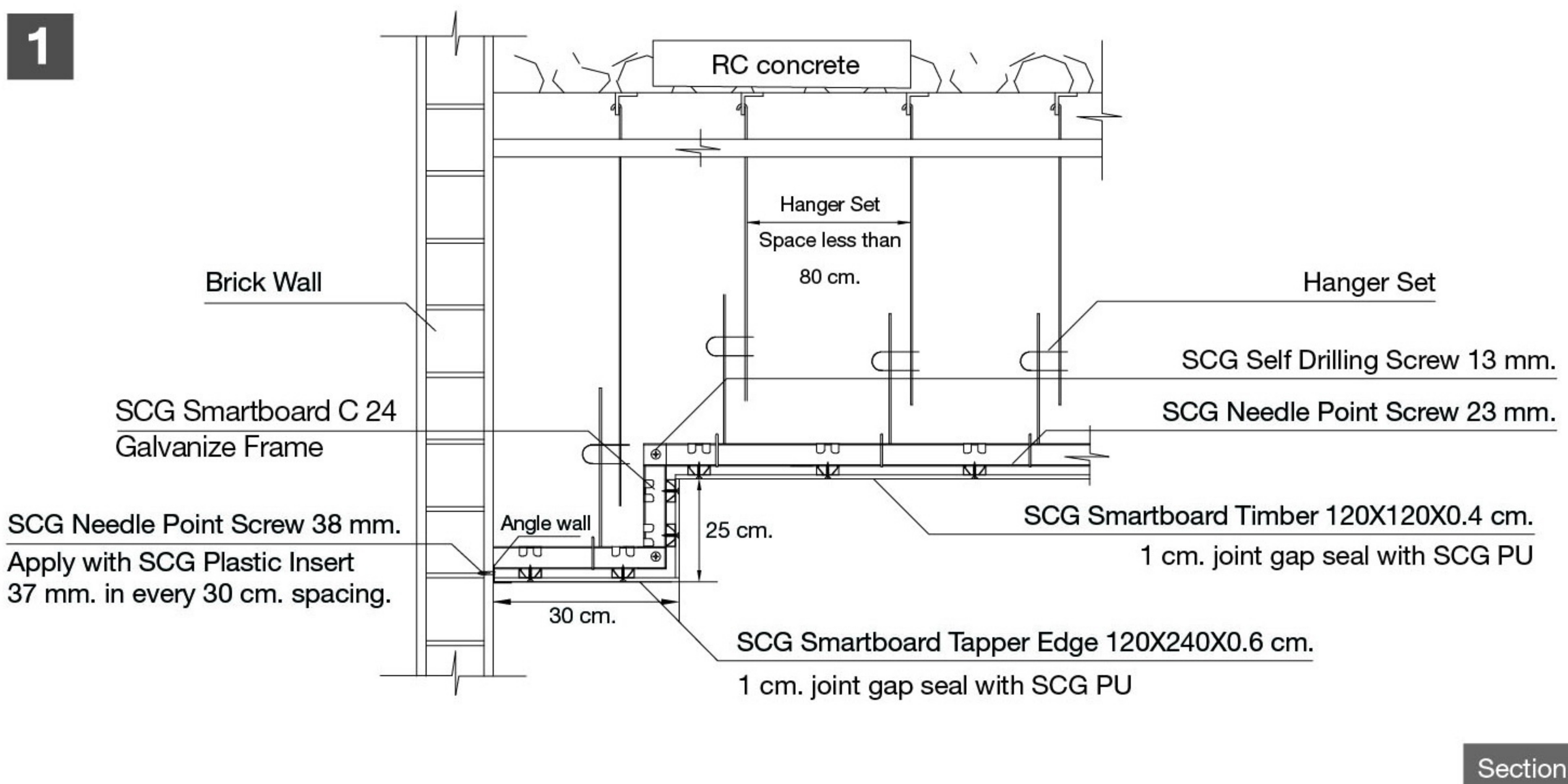
Internal Ceiling 3

Using SCG Smartboard Timber 4 mm. thick.

Area: 4.20 m. X 4.20 m.

Order	Description	Amount	Unit
1	SCG Smartboard Tapper Edge 120X240X0.6 cm.	6	sheet
2	SCG Smartboard Timber 120X120X0.4 cm.	9	sheet
3	C-Line No.24	50	pcs
4	Wall Angle*	7	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	26	set
6	Connect Clip*	60	pcs
7	SCG Plastic Insert 37 mm.	70	pcs
8	SCG Needle Point Screw 23 mm.	270	pcs
9	SCG Needle Point Screw 38 mm.	70	pcs
10	SCG Smartboard Polyurethane Sealant 310 ml.	4	tube
11	Epoxy Sealant (Part A, PartB)*	60	pcs

*Available in leading building material stores.



Internal Ceiling 4

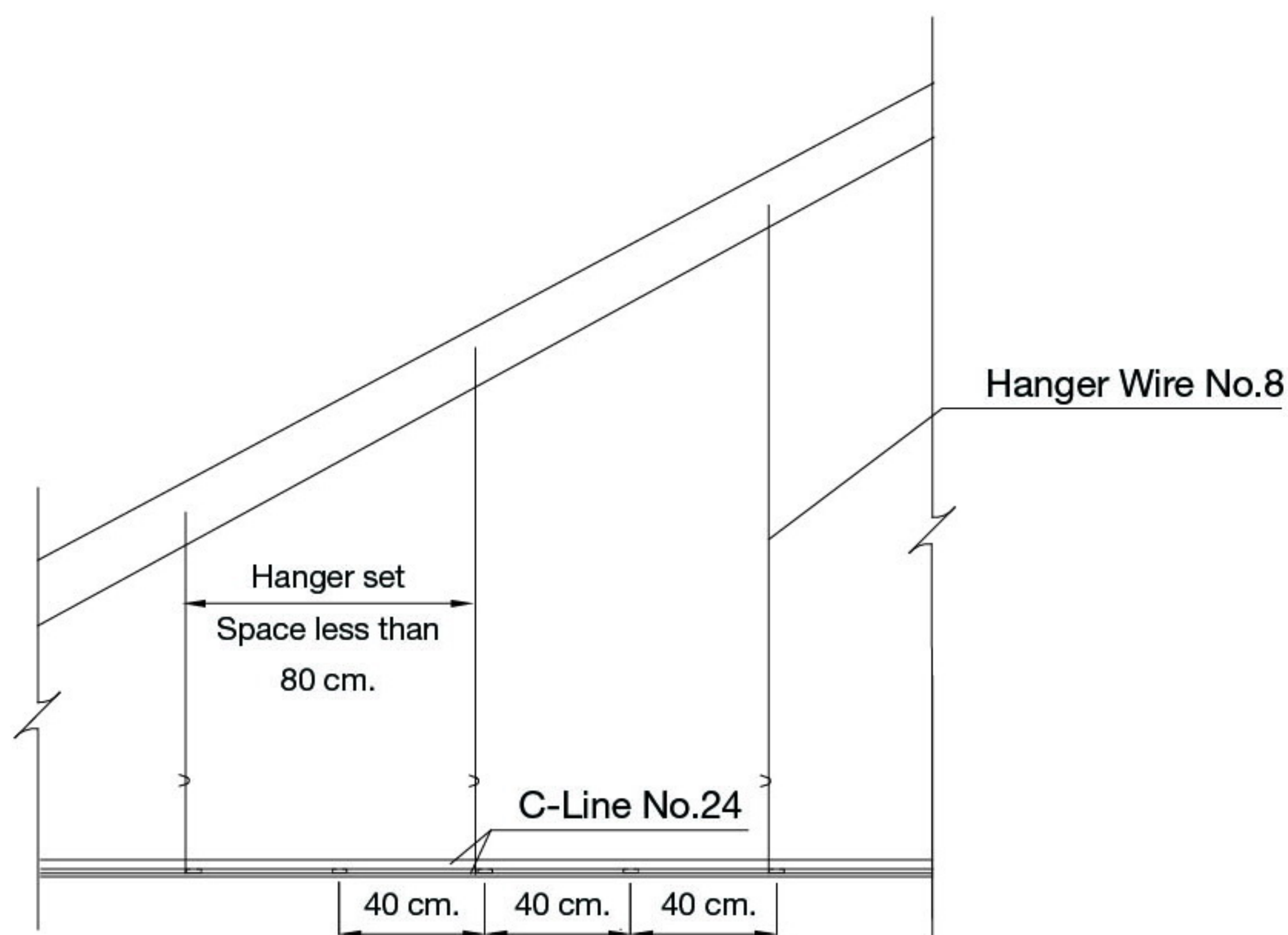
Ceiling design with eaves liner

Area: 3.00 m. X 3.00 m.

Order	Description	Amount	Unit
1	SCG Smartboard Square Edge 120X240X0.4 cm.	13	sheet
2	SCG Smartboard Eaves Liner	2	sheet
3	C-Line No.24	17	pcs
4	Wall Angle*	5	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	12	set
6	Connect Clip*	26	pcs
7	SCG Plastic Insert 37 mm.	17	pcs
8	SCG Needle Point Screw 23 mm.	226	pcs
9	SCG Needle Point Screw 38 mm.	17	pcs
10	SCG Smartboard Polyurethane Sealant 310 ml.	2	tube

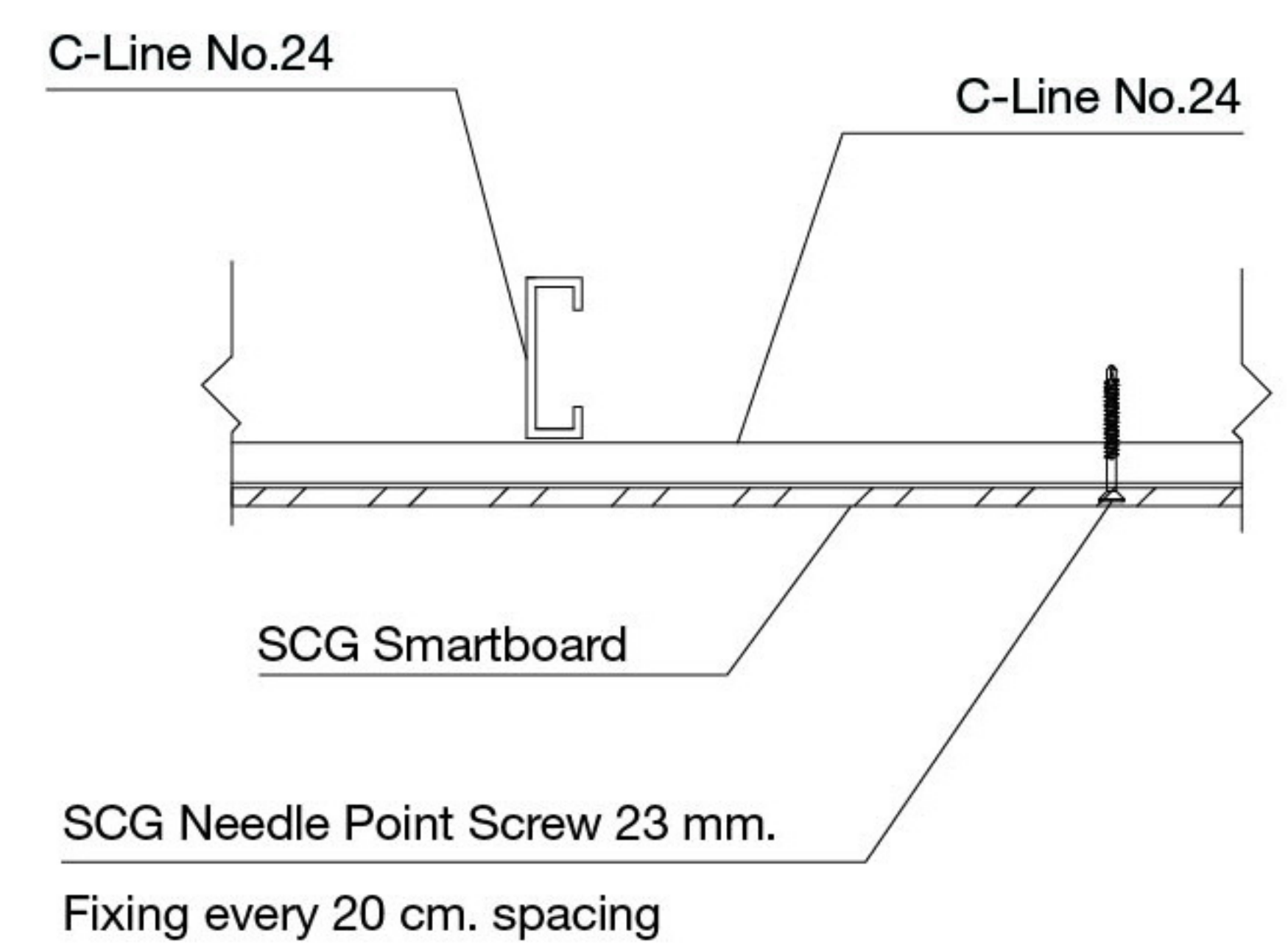
*Available in leading building material stores.

1



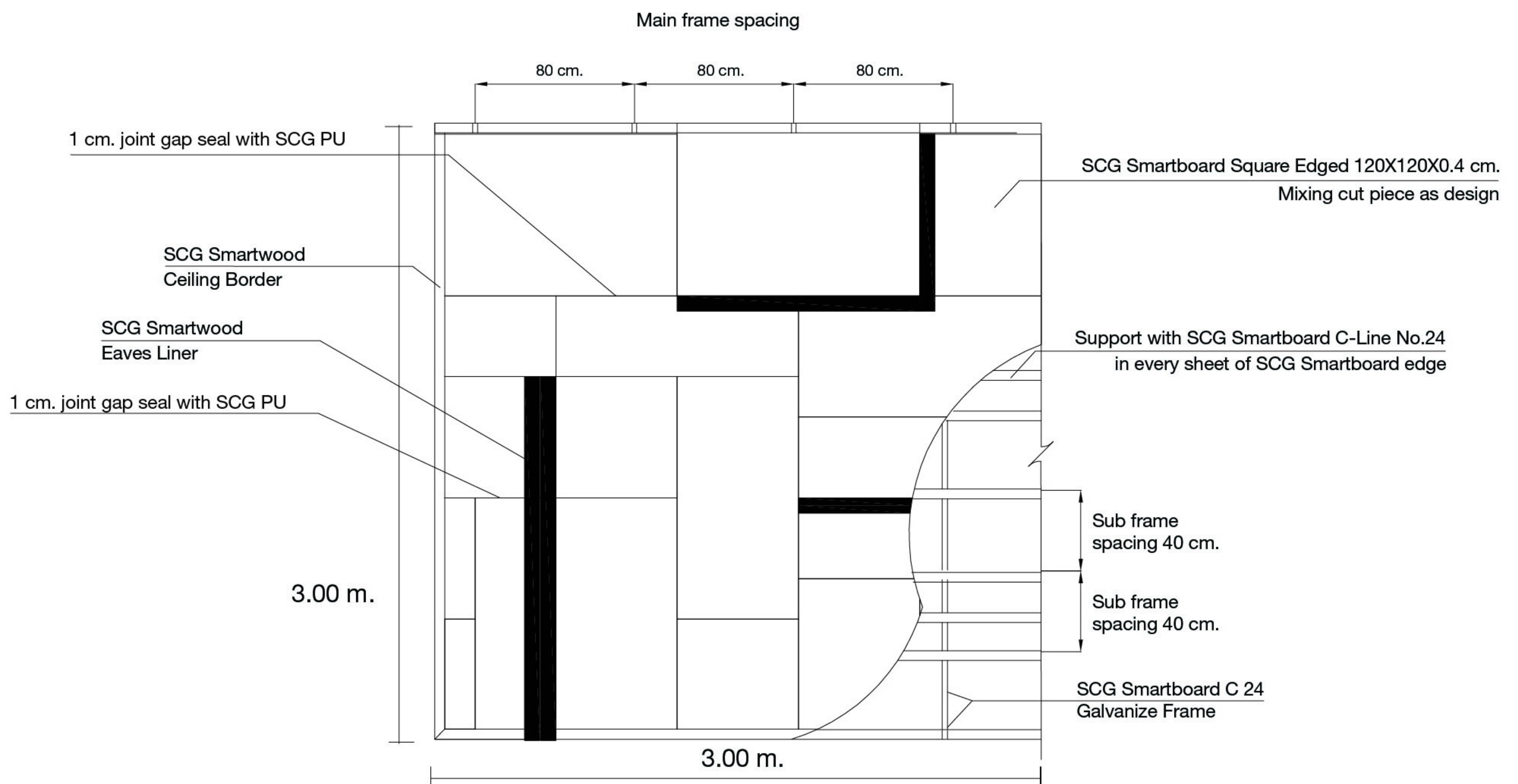
Section

2



Detail

3



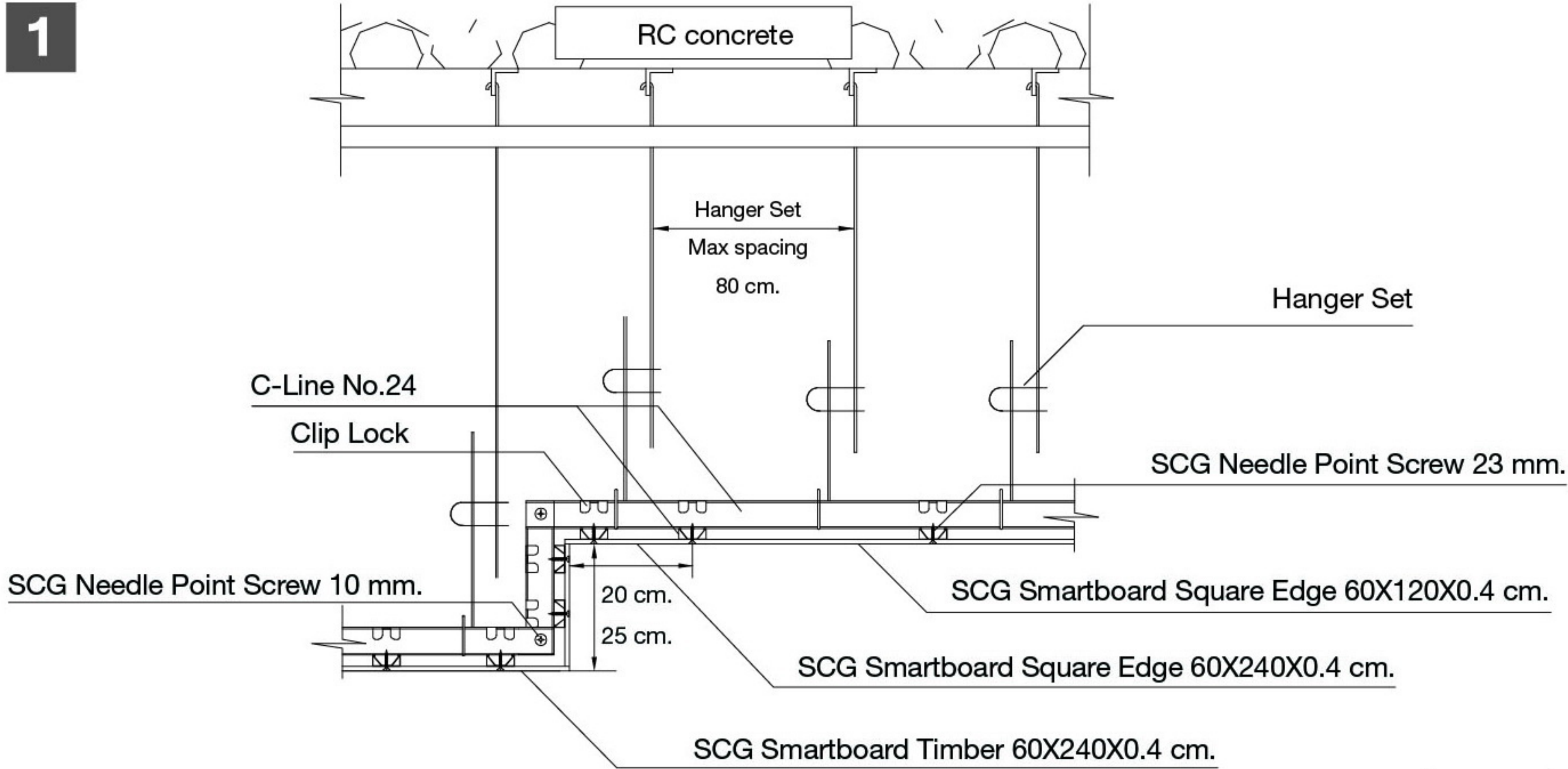
Internal Ceiling 5

Mix SCG Smartboard square edge with SCG Smartboard timber by stepped decorating.

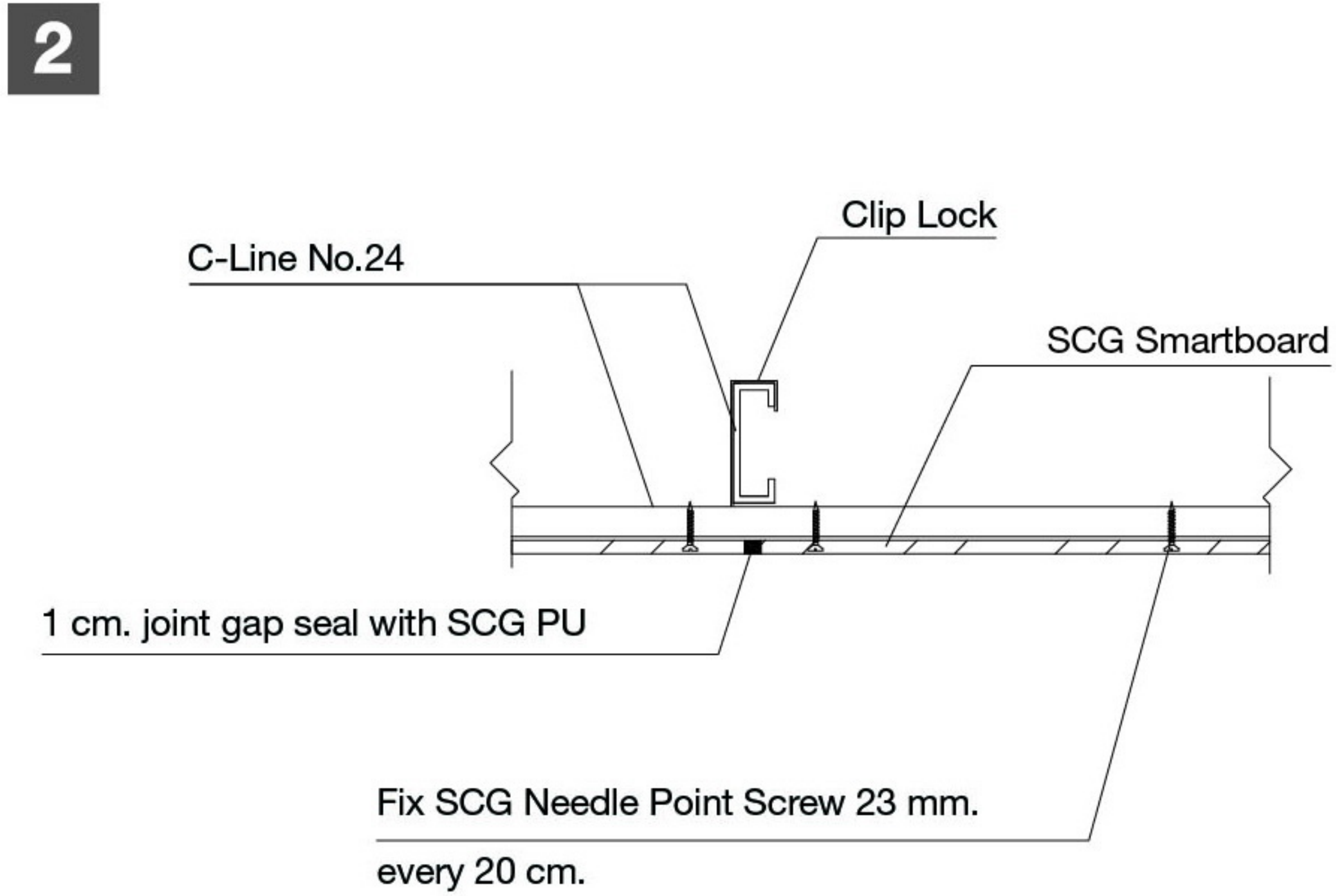
Area: 3.60 m. X 2.80 m.

Order	Description	Amount	Unit
1	SCG Smartboard Timber 60X240X0.4 cm.	3	sheet
2	SCG Smartboard Square Edge 60X120X0.4 cm.	6	sheet
3	SCG Smartboard Square Edge 60X240X0.4 cm.	1	sheet
4	C-Line No.24	21	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	20	set
6	Connect Clip*	45	pcs
7	SCG Needle Point Screw 10 mm.	90	pcs
8	SCG Needle Point Screw 23 mm.	220	pcs
9	SCG Smartboard Polyurethane Sealant 310 ml.	3	tube

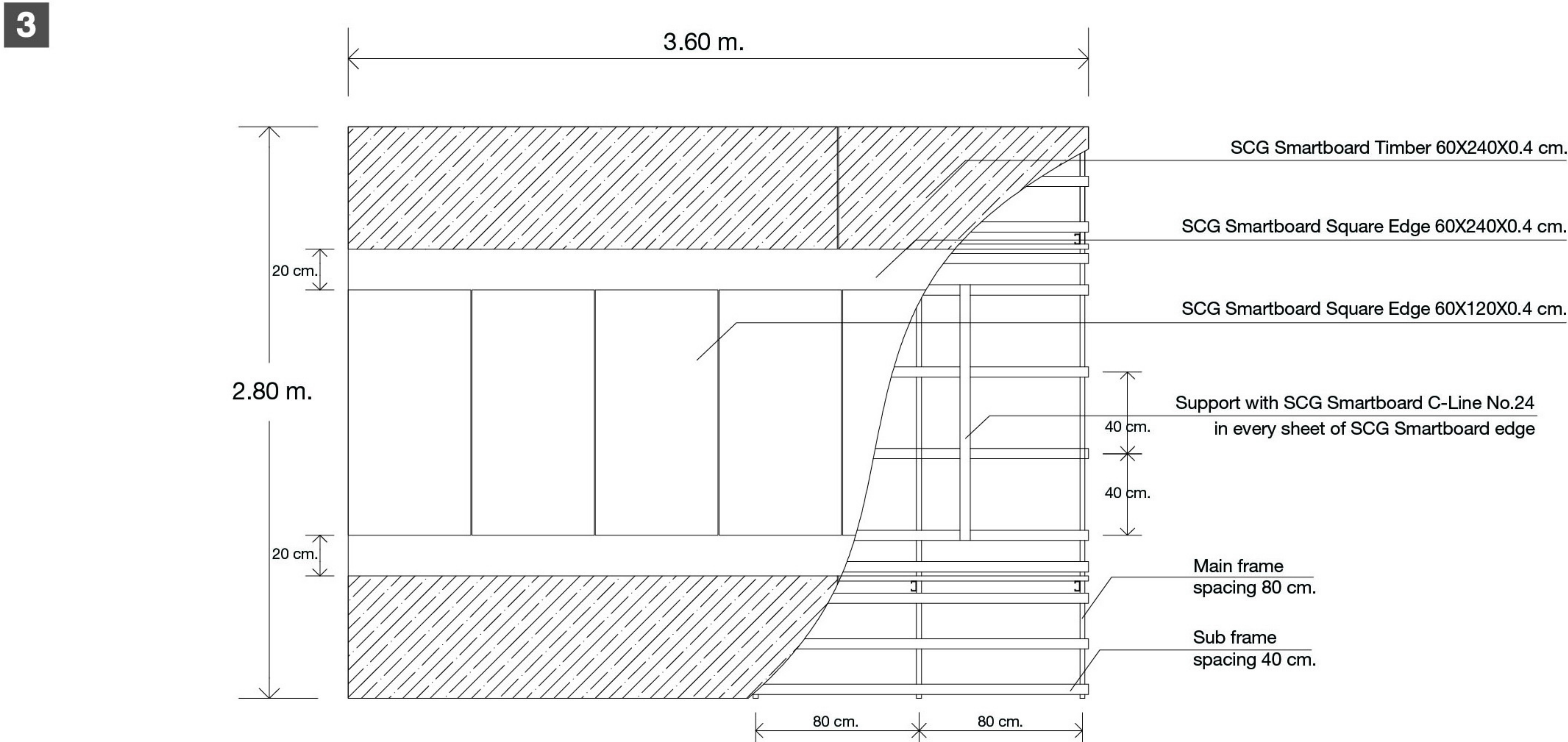
*Available in leading building material stores.



Section



Detail

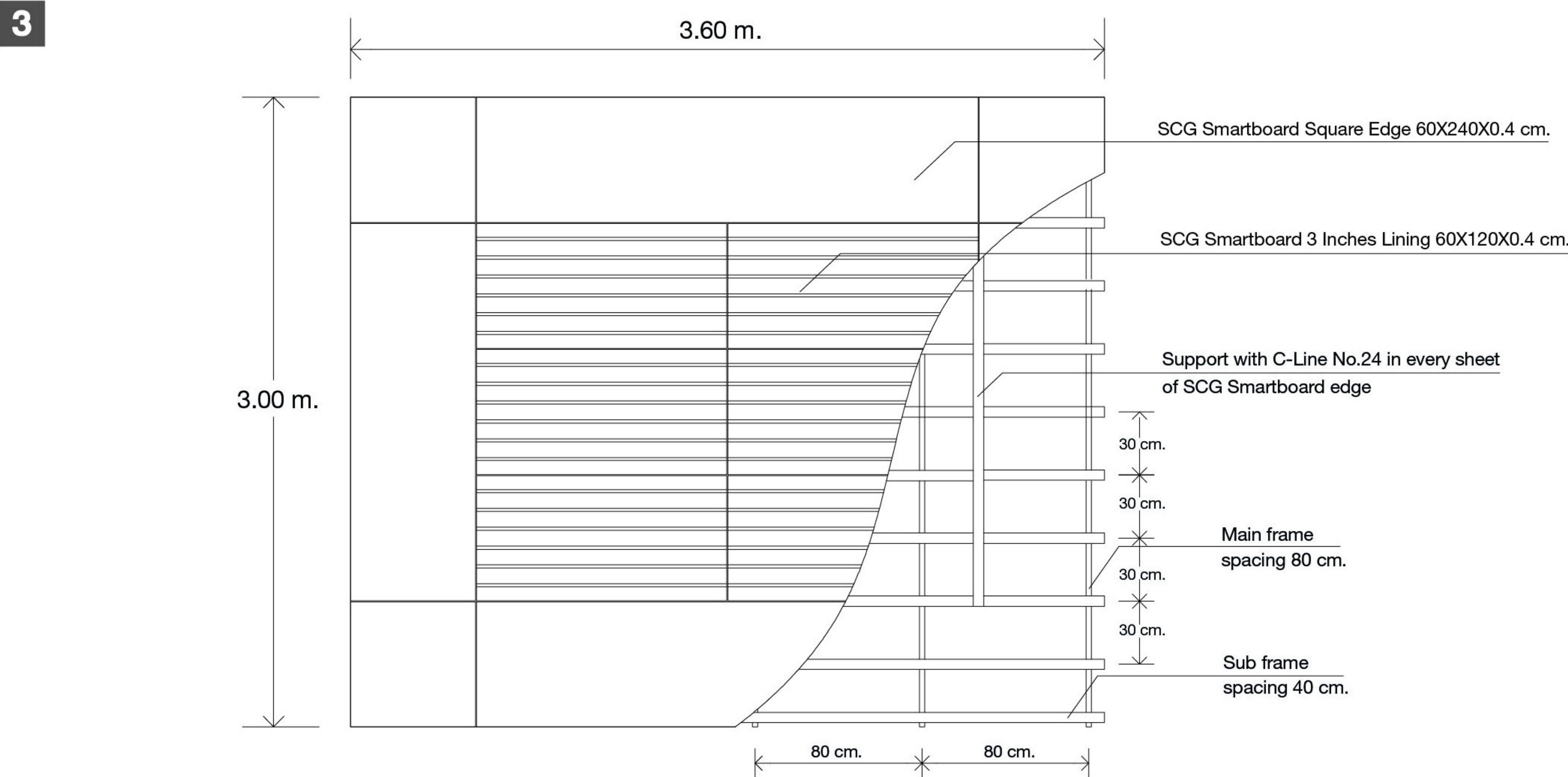
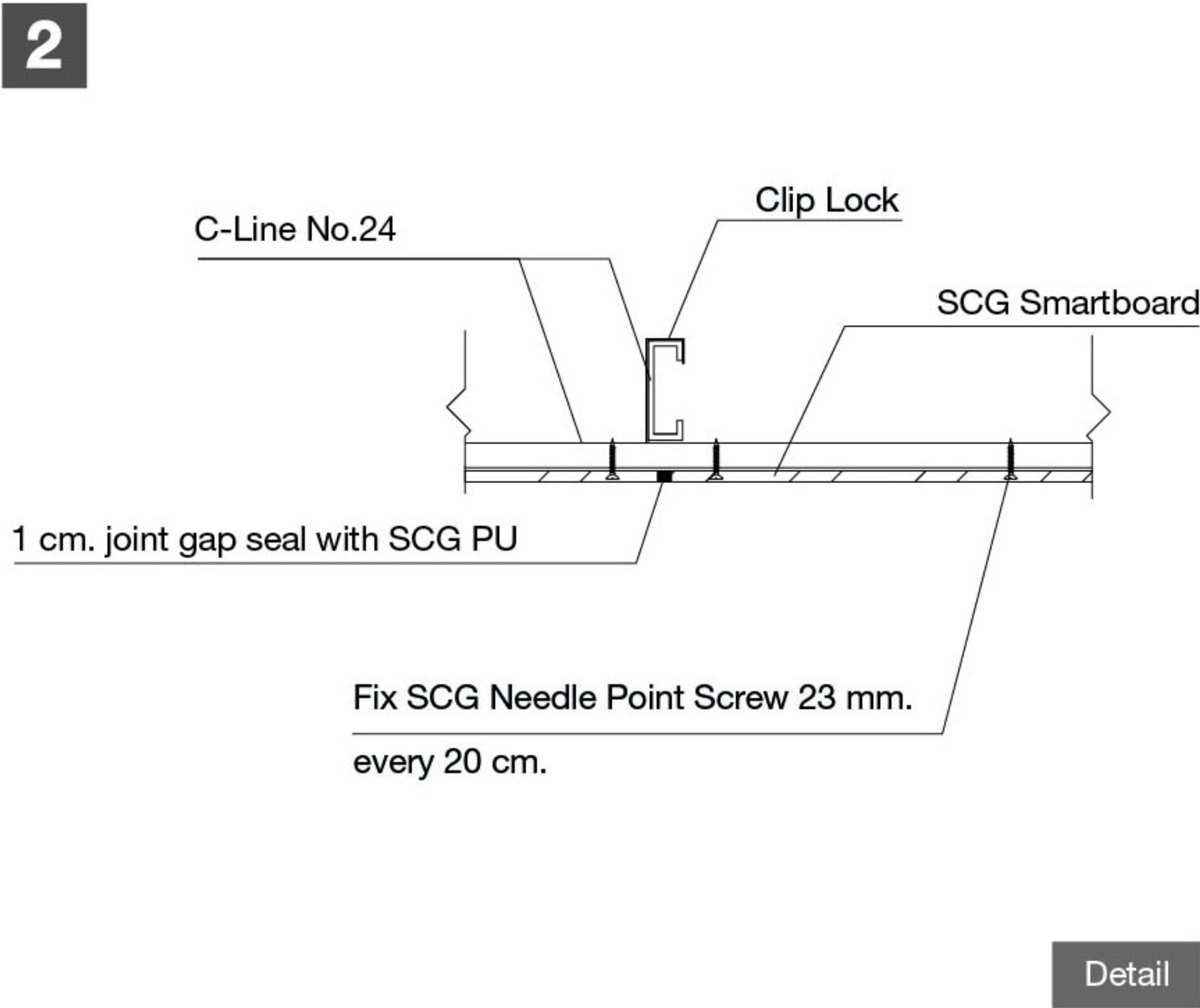
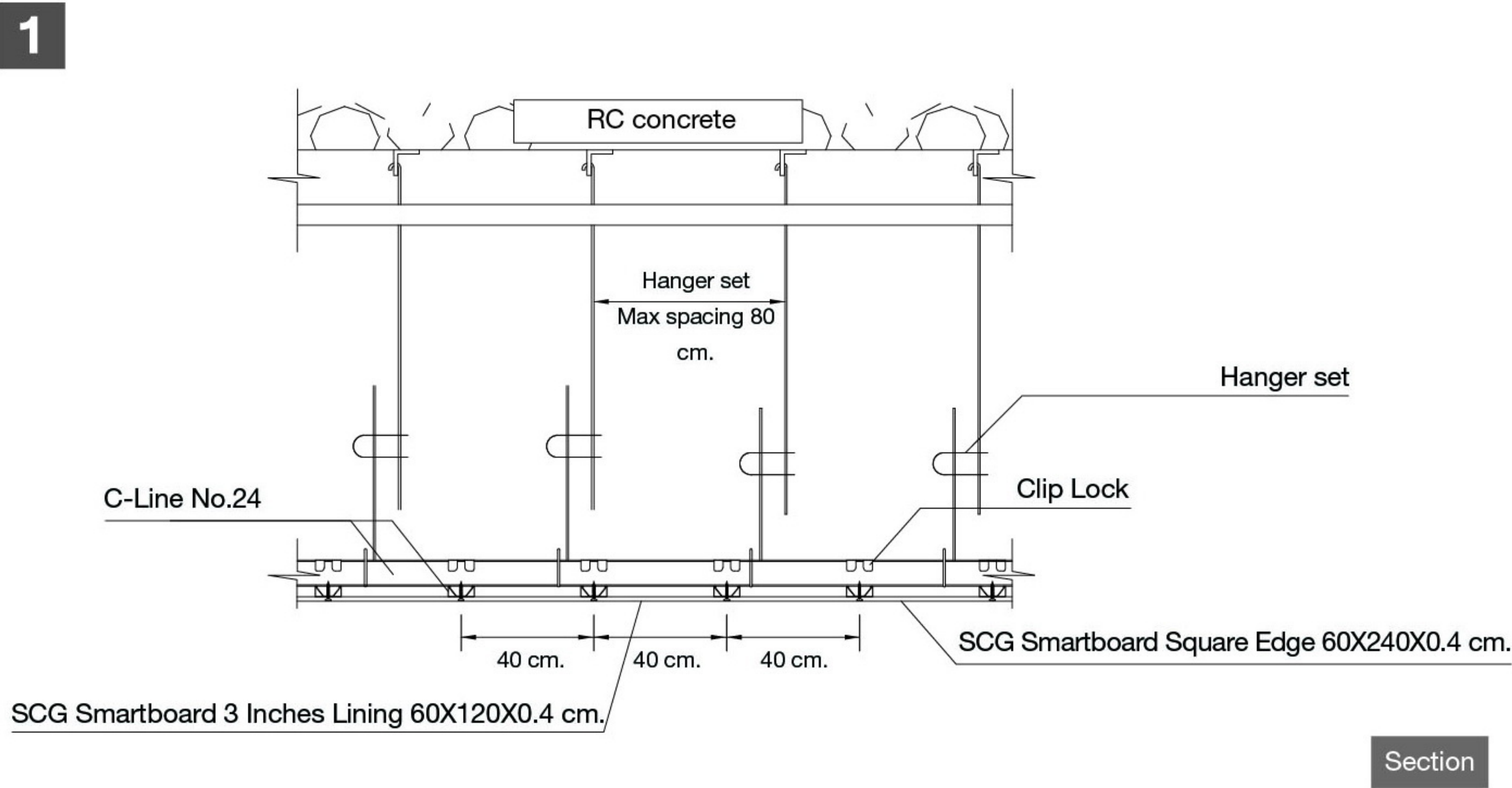


Internal Ceiling 6 Mix SCG Smartboard square edge with SCG Smartboard 3 inch lining.

Area: 3.00 m. X 3.60 m.

Order	Description	Amount	Unit
1	SCG Smartboard 3 Inches Lining 60X120X0.4 cm.	6	sheet
2	SCG Smartboard Square Edge 60X240X0.4 cm.	5	sheet
3	C-Line No.24	18	pcs
4	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	14	set
5	Connect Clip*	32	pcs
6	SCG Needle Point Screw 10 mm.	25	pcs
7	SCG Needle Point Screw 23 mm.	141	pcs
8	SCG Smartboard Polyurethane Sealant 310 ml.	2	tube

*Available in leading building material stores.



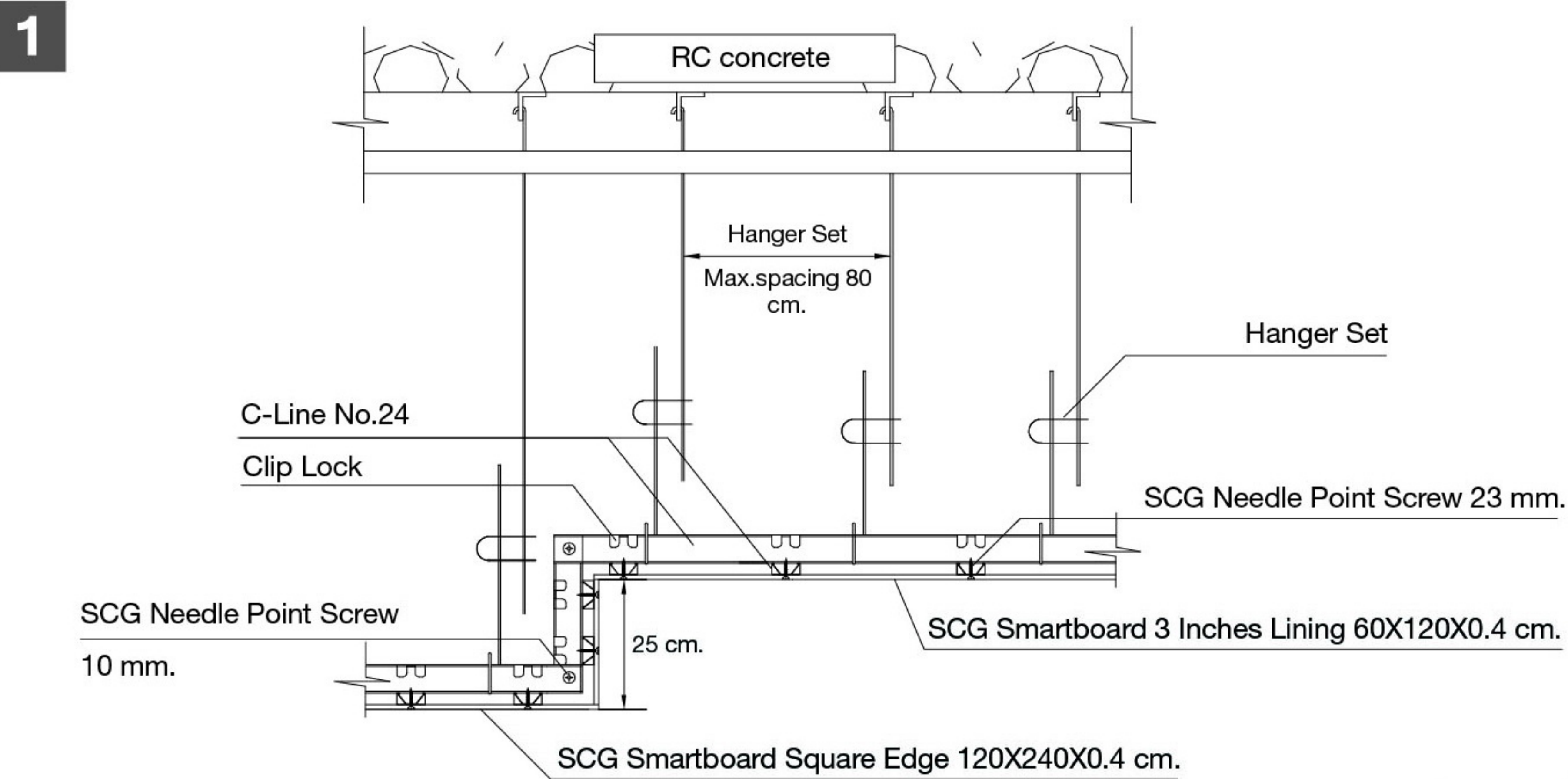
Internal Ceiling 7

Mix SCG Smartboard square edge with SCG Smartboard 3 inch lining and SCG Smartboard Timber.

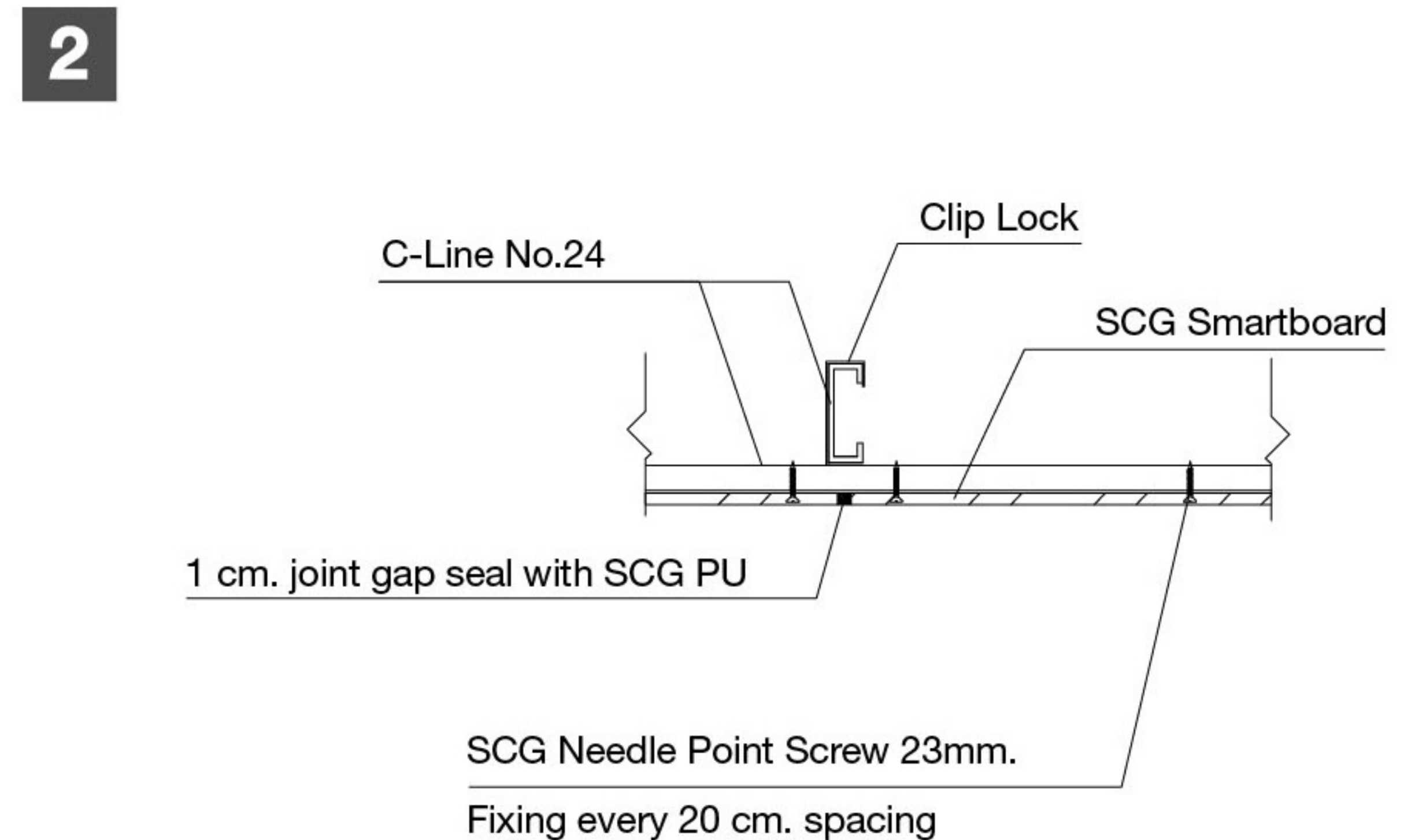
Area: 3.00 m. X 3.60 m.

Order	Description	Amount	Unit
1	SCG Smartboard Timber 120X120X0.4 cm.	2	sheet
2	SCG Smartboard 3 Inches Lining 60X120X0.4 cm.	4	sheet
3	SCG Smartboard Square Edge 120X240X0.4 cm.	3	sheet
4	C-Line No.24	31	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	15	set
6	Connect Clip*	32	pcs
7	SCG Needle Point Screw 10 mm.	90	pcs
8	SCG Needle Point Screw 23 mm.	172	pcs
9	SCG Smartboard Polyurethane Sealant 310 ml.	2	tube

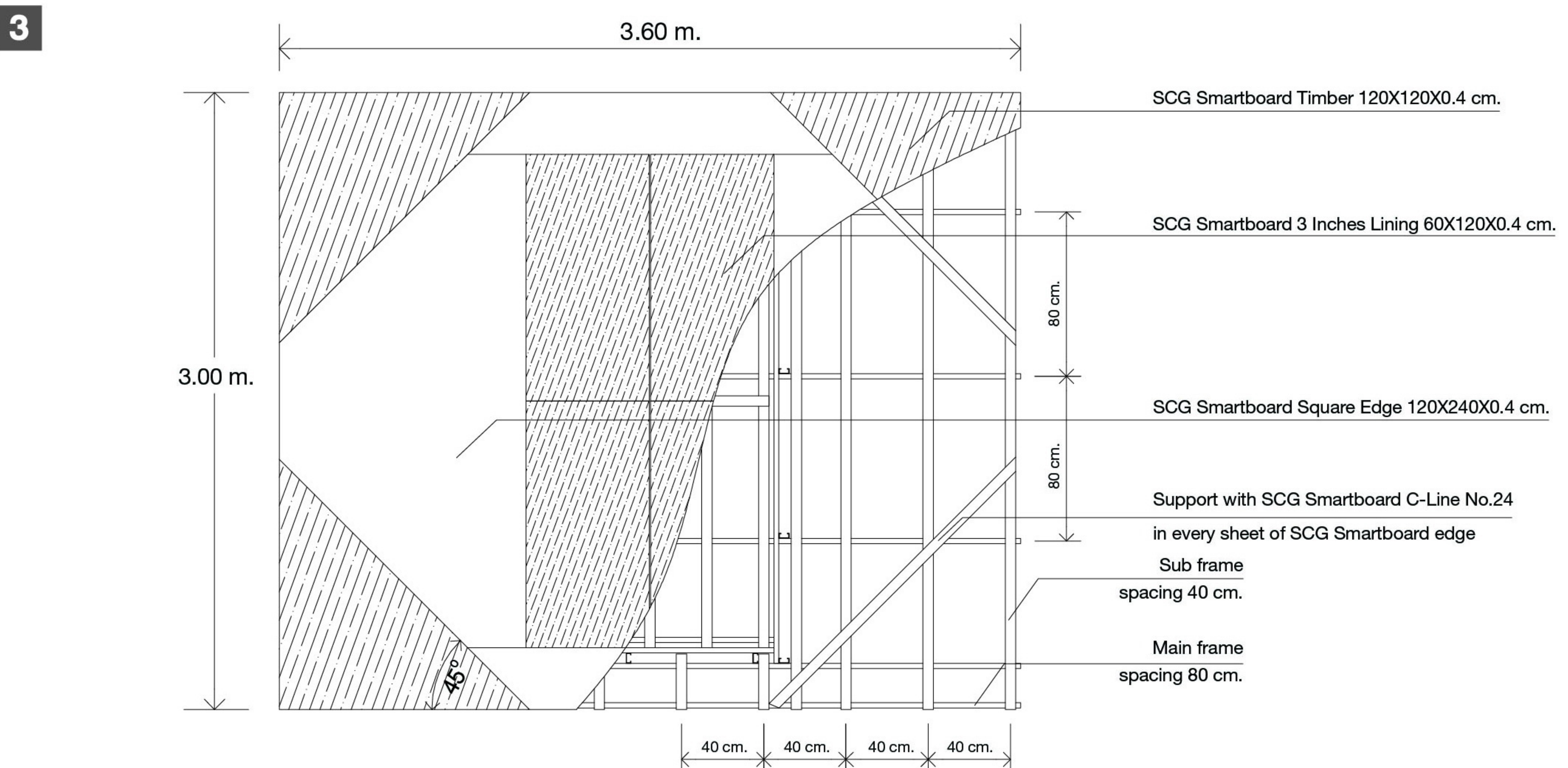
*Available in leading building material stores.



Section



Detail



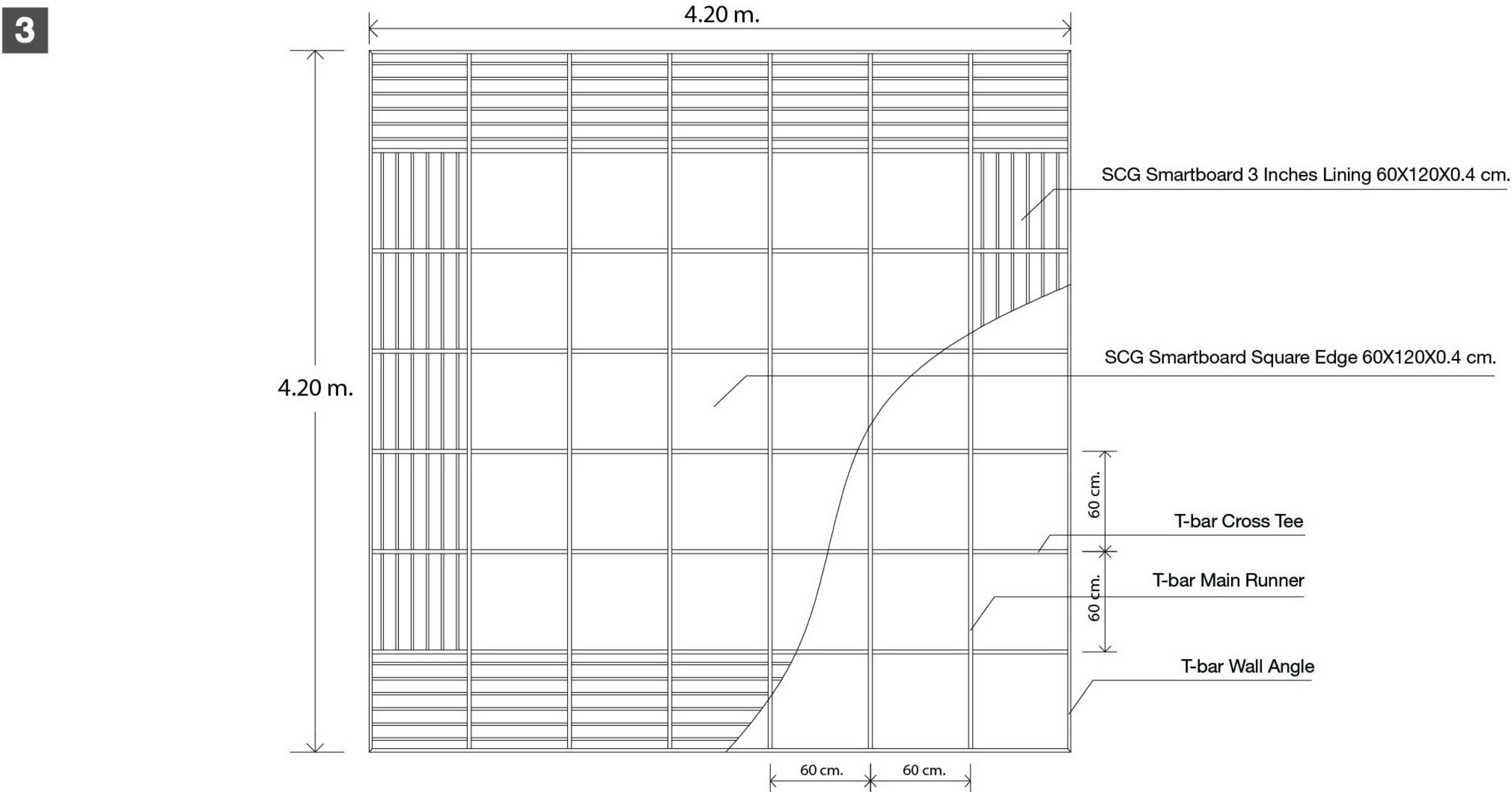
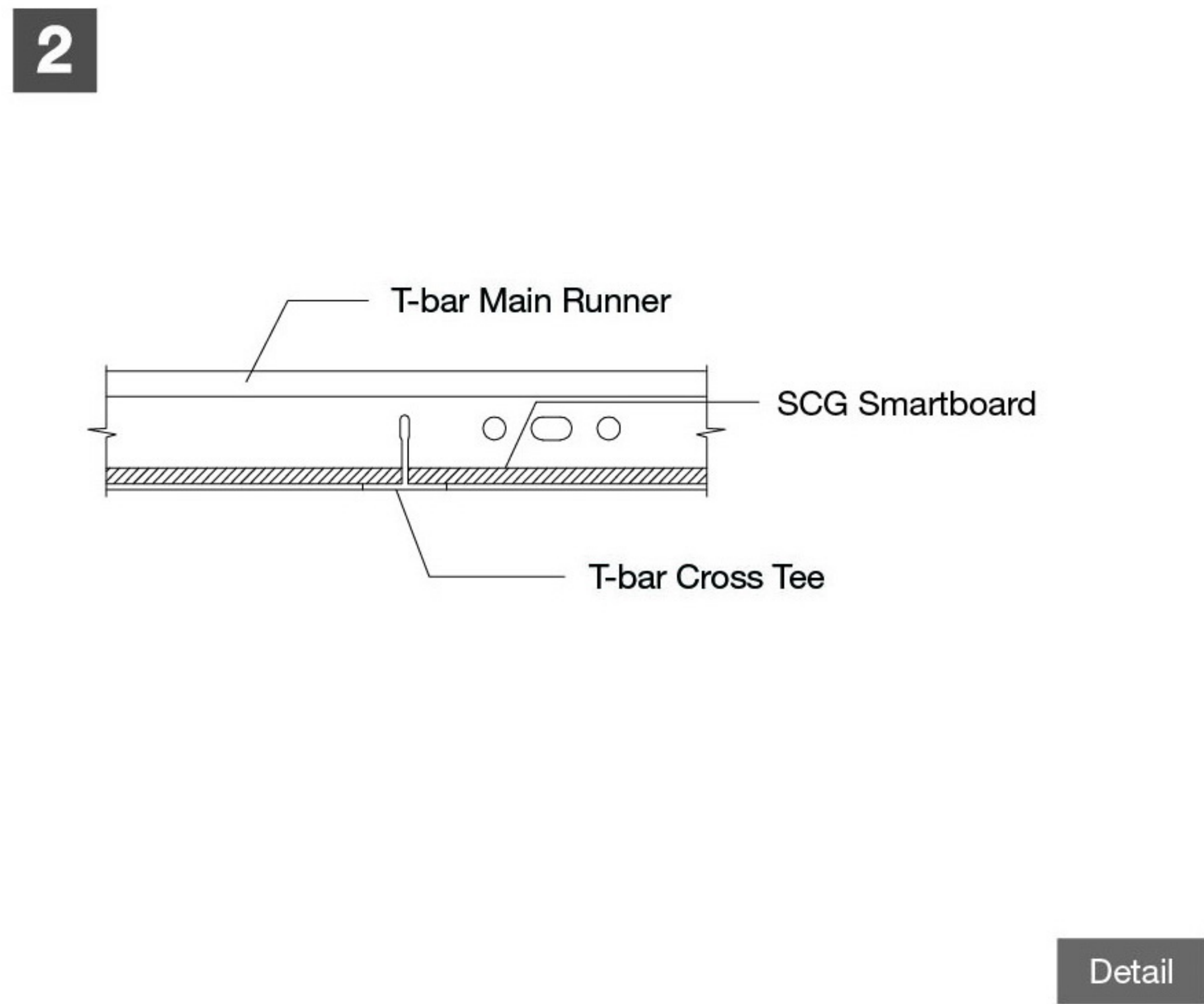
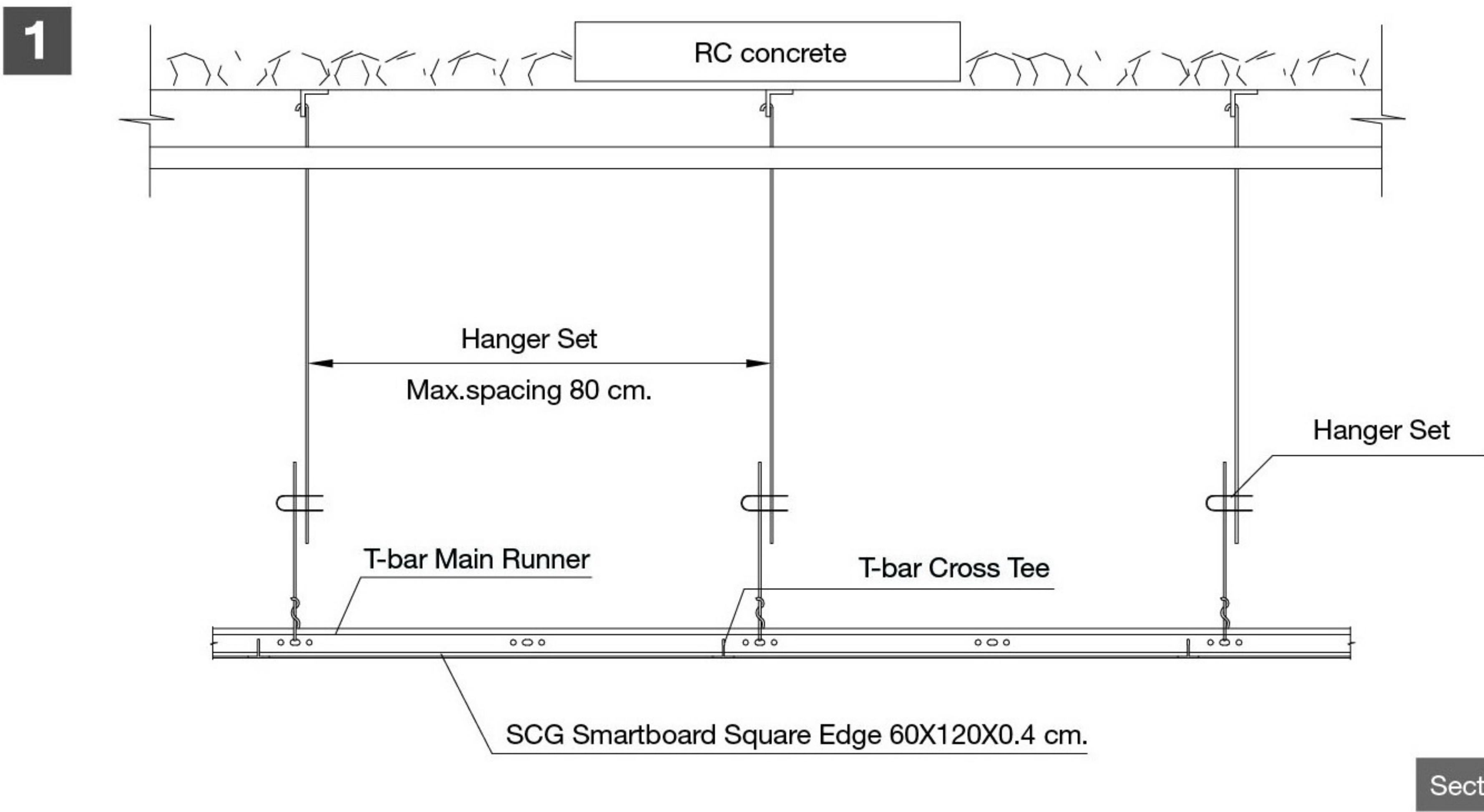
Internal Ceiling 8

Mix SCG Smartboard squared edge with
SCG Smartboard 3 inch lining on T-Bar Frame.

Area: 4.20 m. X 4.20 m.

Order	Description	Amount	Unit
1	SCG Smartboard Timber 120X120X0.4 cm.	12	sheet
2	SCG Smartboard 3 Inches Lining 60X120X0.4 cm.	13	sheet
3	T-bar Main Runner	7	pcs
4	T-bar Cross Tee	42	pcs
5	T-bar Wall Angle*	5	pcs
6	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	23	set

*Available in leading building material stores.



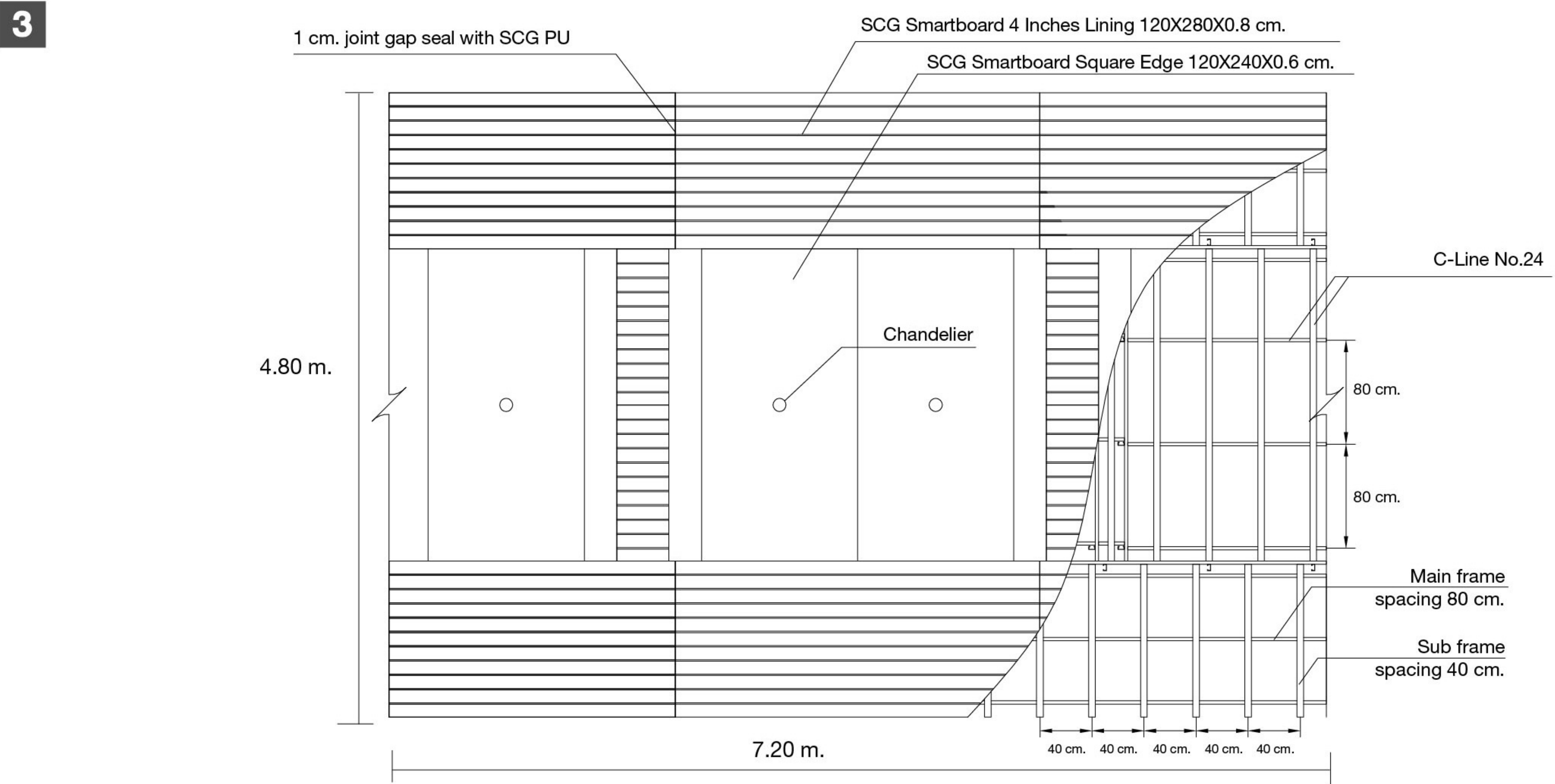
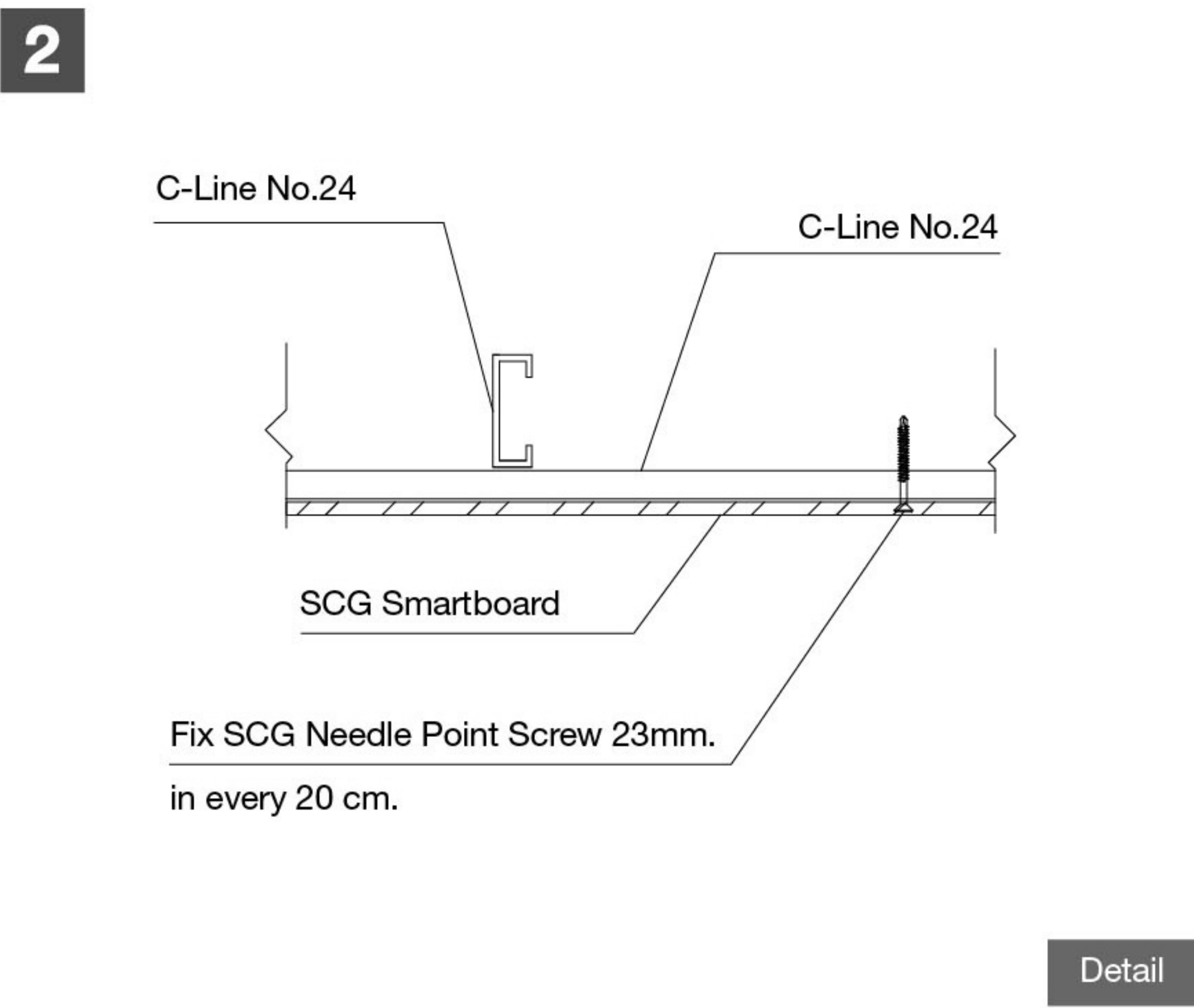
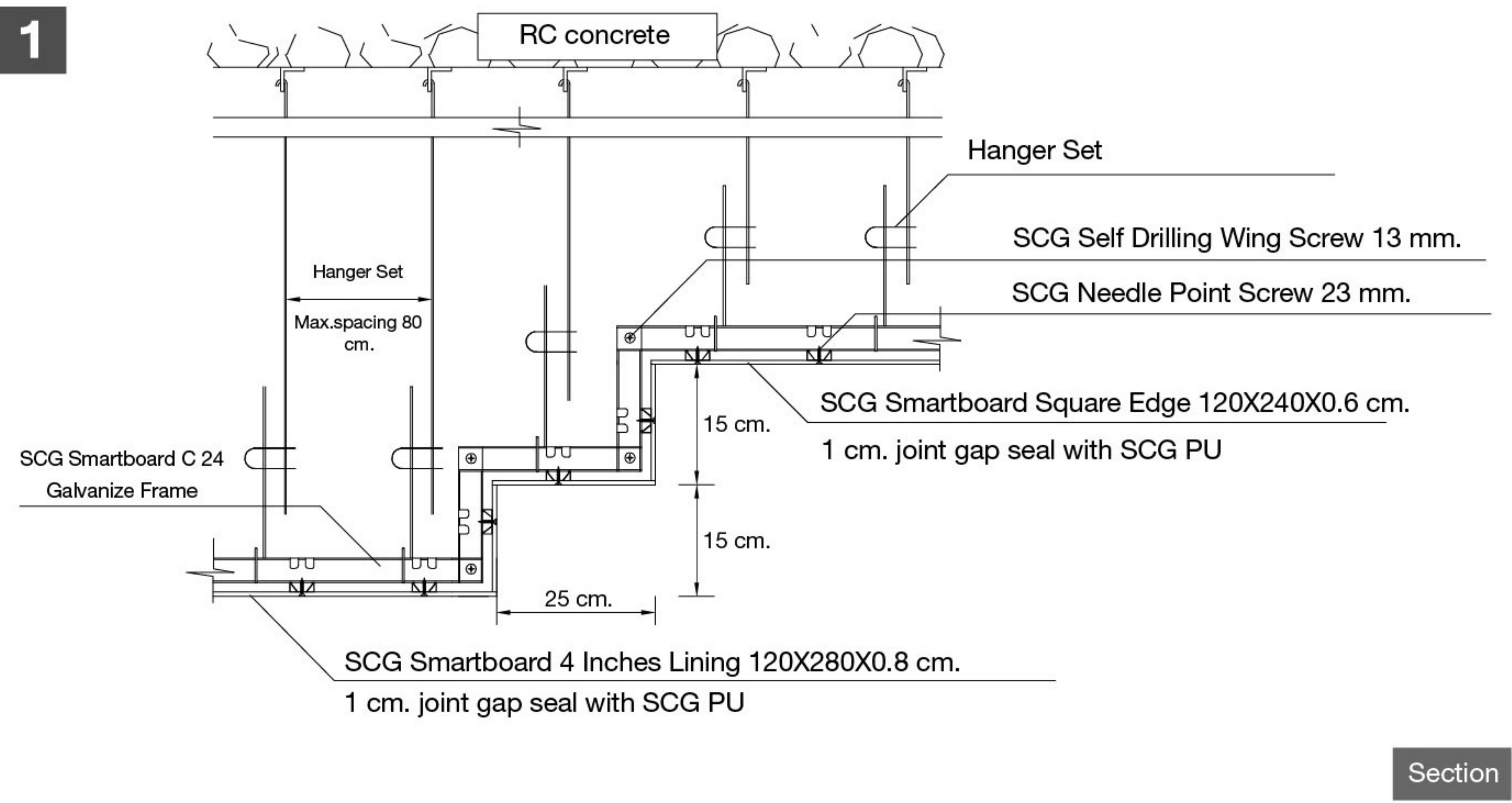
External Ceiling 1

Beauty decoration with SCG Smartboard Lining Series from factory.

Area: 4.80 m. X 7.20 m.

Order	Description	Amount	Unit
1	SCG Smartboard Square Edge 120X240X0.6 cm.	6	sheet
2	SCG Smartboard 4 Inches Lining 120X280X0.8 cm.	7	sheet
3	C-Line No.24	46	pcs
4	Wall Angle*	8	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	52	set
6	Connect Clip*	118	pcs
7	SCG Plastic Insert 37 mm.	80	pcs
8	SCG Needle Point Screw 23 mm.	360	pcs
9	SCG Needle Point Screw 38 mm.	80	pcs
10	SCG Smartboard Polyurethane Sealant 310 ml.	7	tube

*Available in leading building material stores.



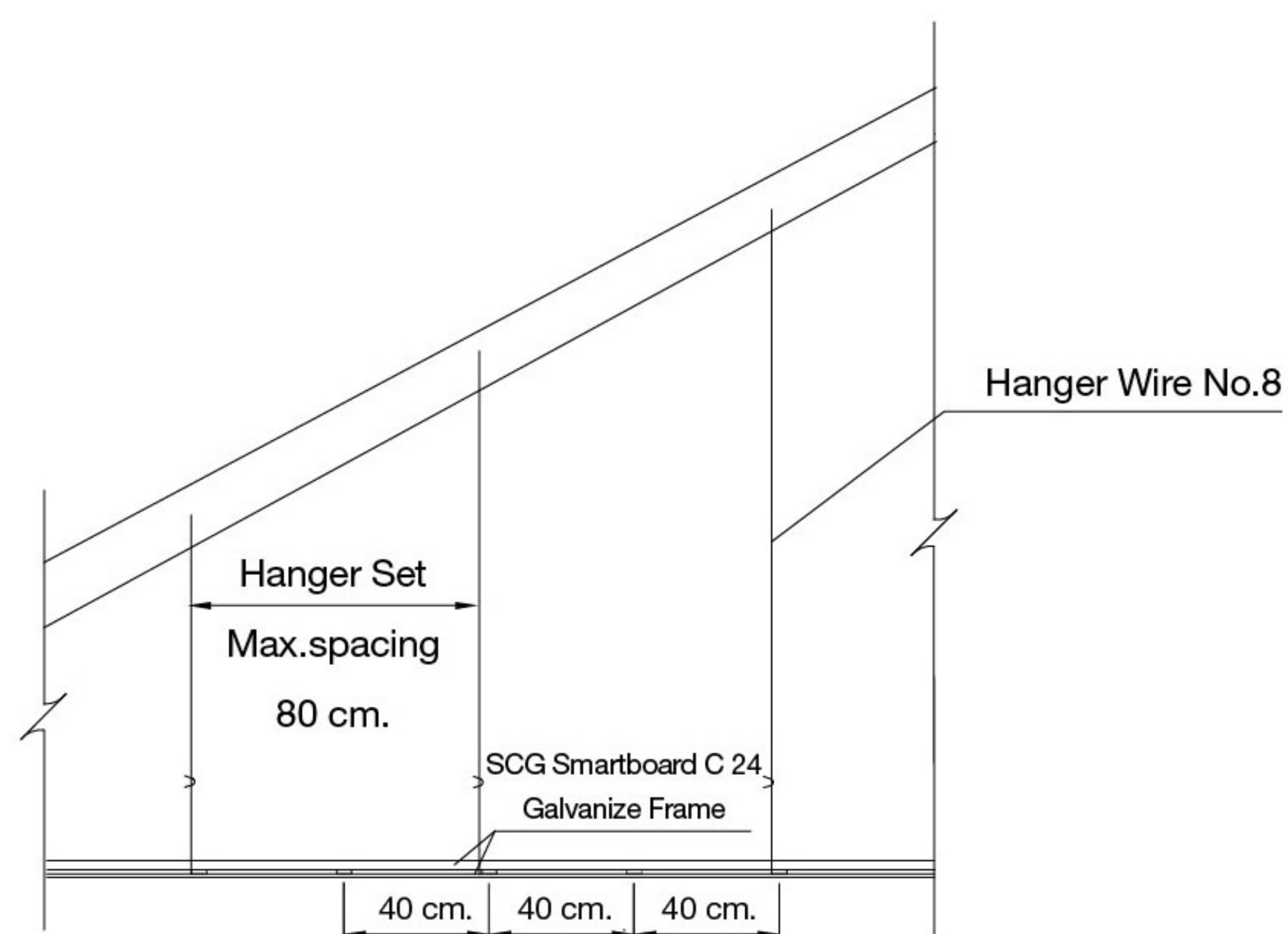
External Ceiling 2 Be cool with the decoration of SCG Smartboard timber and ventilated series.

Area: 3.85 m. X 5.00 m.

Order	Description	Amount	Unit
1	SCG Smartboard Wood Grain 60X120X0.4 cm.	20	sheet
2	SCG Smartboard Vent Wood Grain 60X120X0.4 cm.	7	sheet
3	C-Line No.24	24	pcs
4	Wall Angle*	5	pcs
5	Hanger set*(Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	25	set
6	Connect Clip*	56	pcs
7	SCG Plastic Insert 37 mm.	17	pcs
8	SCG Needle Point Screw 23 mm.	432	pcs
9	SCG Needle Point Screw 38 mm.	17	pcs
10	SCG Smartboard Polyurethane Sealant 310 ml.	4	tube

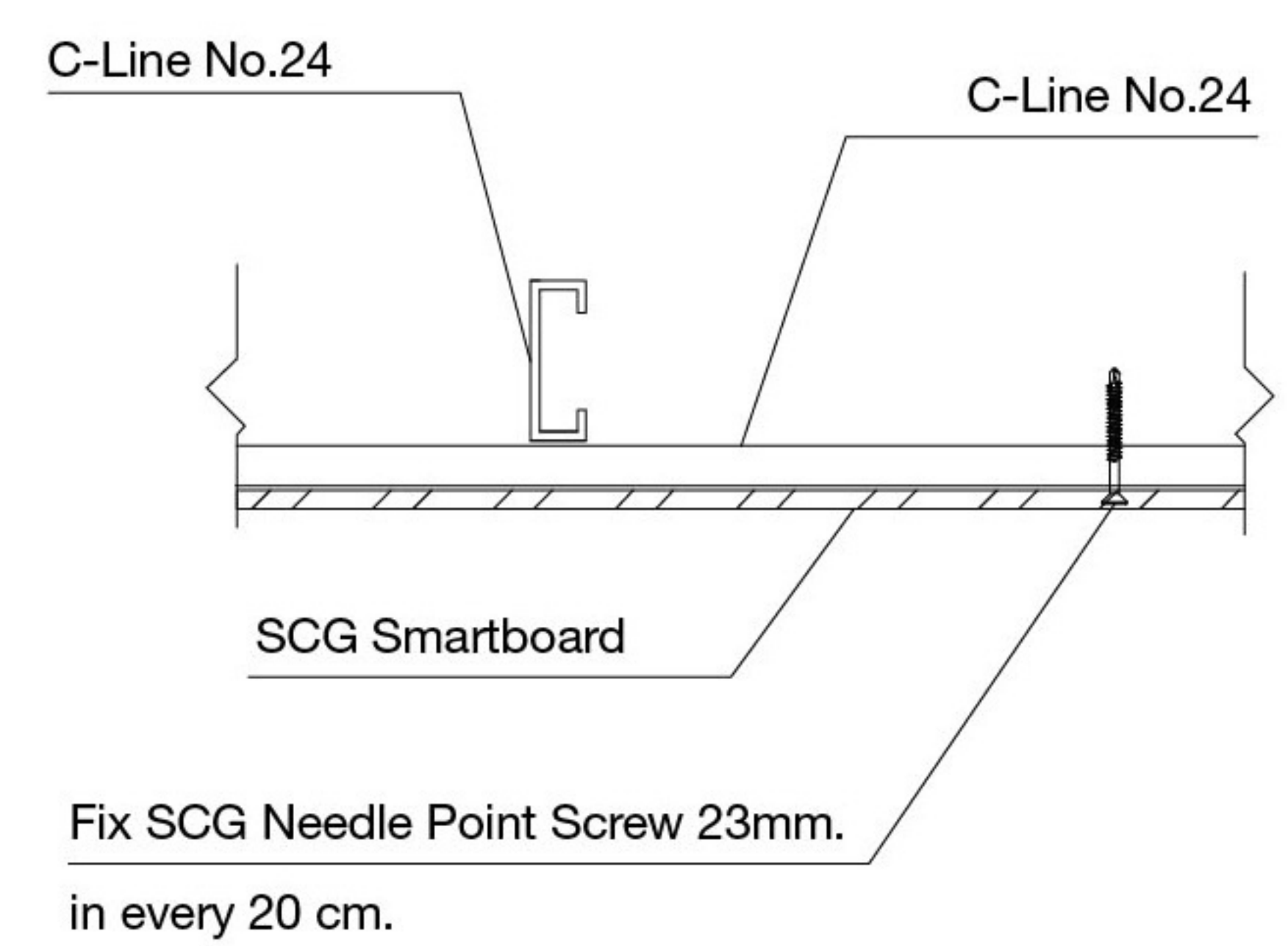
*Available in leading building material stores.

1



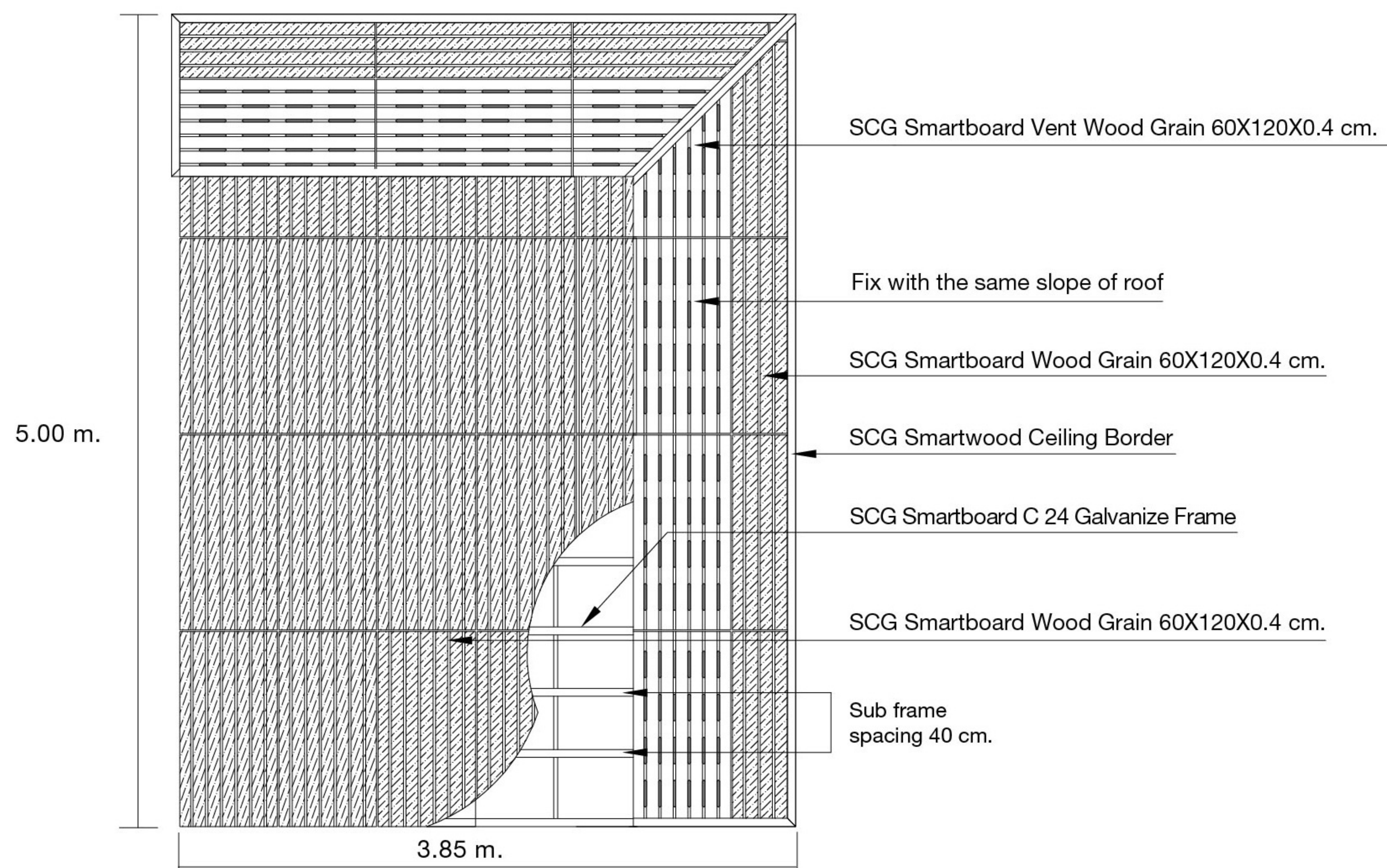
Section

2



Detail

3



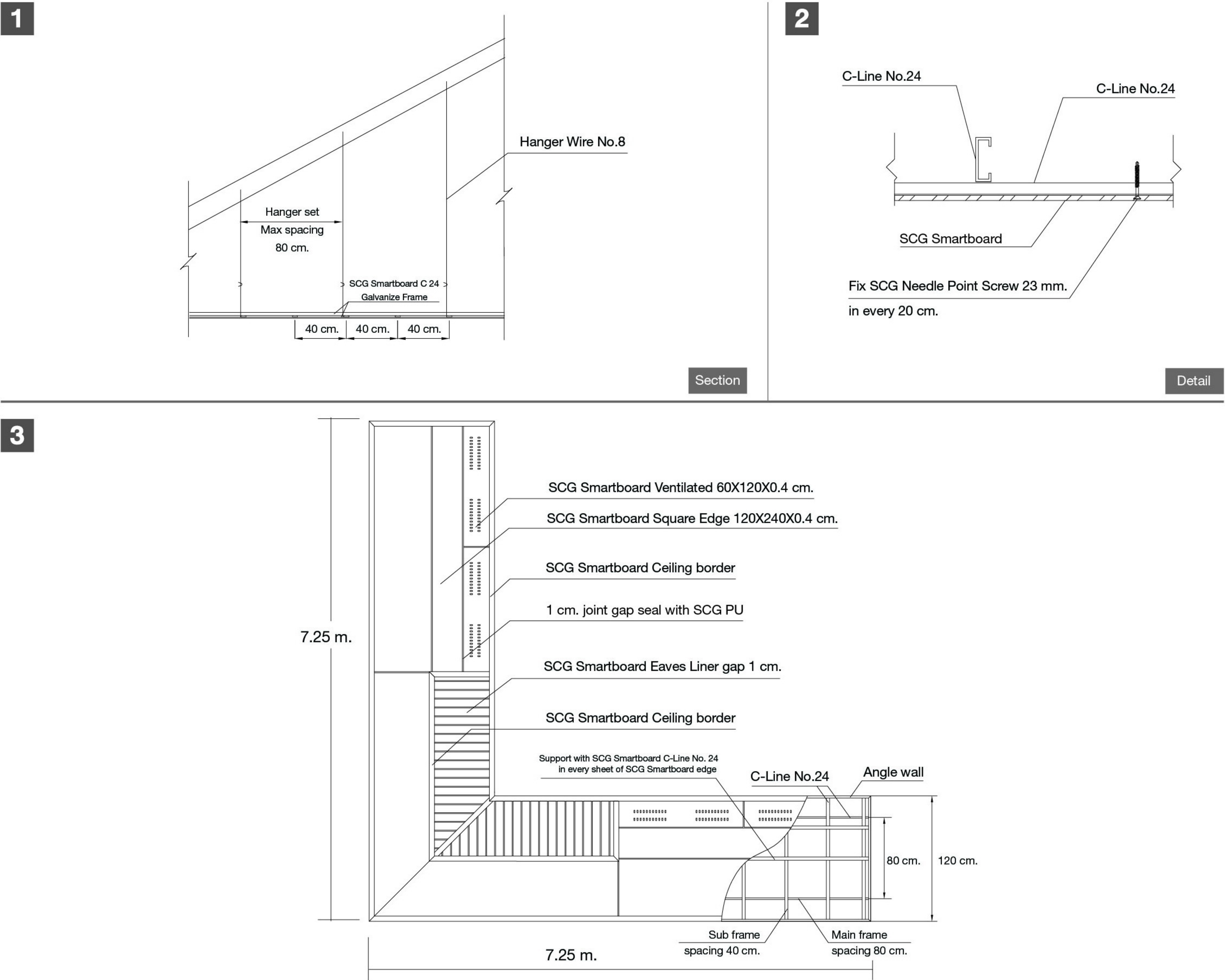
External Ceiling 3

Be cool and beauty with SCG Smartboard ventilated series.

Area: Eaves Length 29.00 m.
and Eaves extend 1.20 m.

Order	Description	Amount	Unit
1	SCG Smartboard Square Edge 120X240X0.4 cm.	4	sheet
2	SCG Smartboard Ventilated 60X120X0.4 cm.	4	sheet
3	SCG Smartboard Eaves Liner 7.5X300X0.8 cm.	48	sheet
4	SCG Smartboard Ceiling border 5.0X300X0.8 cm.	28	sheet
5	C-Line No.24	67	pcs
6	Wall Angle*	17	pcs
7	Hanger set* (Hanger wire + Hook Wire + Expansion bolt + Bolt Angle + Fix spring)	44	set
8	Connect Clip*	100	pcs
9	SCG Plastic Insert 37 mm.	65	pcs
10	SCG Needle Point Screw 23 mm.	980	pcs
11	SCG Needle Point Screw 38 mm.	65	pcs
12	SCG Smartboard Polyurethane Sealant 310 ml.	6	tube

*Available in leading building material stores.



Installing SCG Smartboard Ceiling and Wall

Product	Thickness (mm.)	Installation type	Jointing Accessory	Fixing Accessory
Internal / External Ceiling				
Lite	3.2 - 3.5	SCG Smartboard Polyurethane joint sealant	Fix with 1.5 x 3.0 inch wooden studs. With maximum stud span of 60 cm.	1, 1.5 inch Wood nail
Square Edge	4.0		Fix with 0.55. thick Gulvanize Steel Studs of 100 and 40 cm. respectively.	
Ventilated	4.0			
Wood Grain	4.0			
Ventilated Wood Grain	4.0			
3-inch Square Lining	4.0			
Ventilated 3-inch Square Lining	4.0			
Squared Edge	6.0			
Internal Wall		SCG Smartboard Plaster Joint Compound	Fix with 0.55 mm. thick SCG Smartboard C 74, U 76 Gulvanize Frame without pre-drilling with the maximum stud span of 60 cm.	SCG Needle Point Screw 23 mm. (Counter sunk head)
Square Edge	8.0 - 12.0			
4-inch Square Lining	8.0			
6-inch Square Lining Wood Grain with Golden Teak Color	8.0			
Internal Wall		SCG Smartboard Polyurethane joint sealant	Fix with 1.2 - 3.2 mm. steel studs (C 75) without pre-drilling with the maximum stud span of 60 cm.	SCG Self Drilling Wing Screw 32 mm. (Counter sunk head)
Square Edge	8.0 - 16.0			
6-inch Square Lining Wood Grain with Golden Teak Color	8.0			
Floor		SCG Grumcrete	Fix with 1.2 - 3.2 mm. steel studs without pre-drilling with the maximum stud span of 60 cm.	SCG Self Drilling Screw 45 mm. (Counter sunk head)
Square Edge	16.0 18.0			

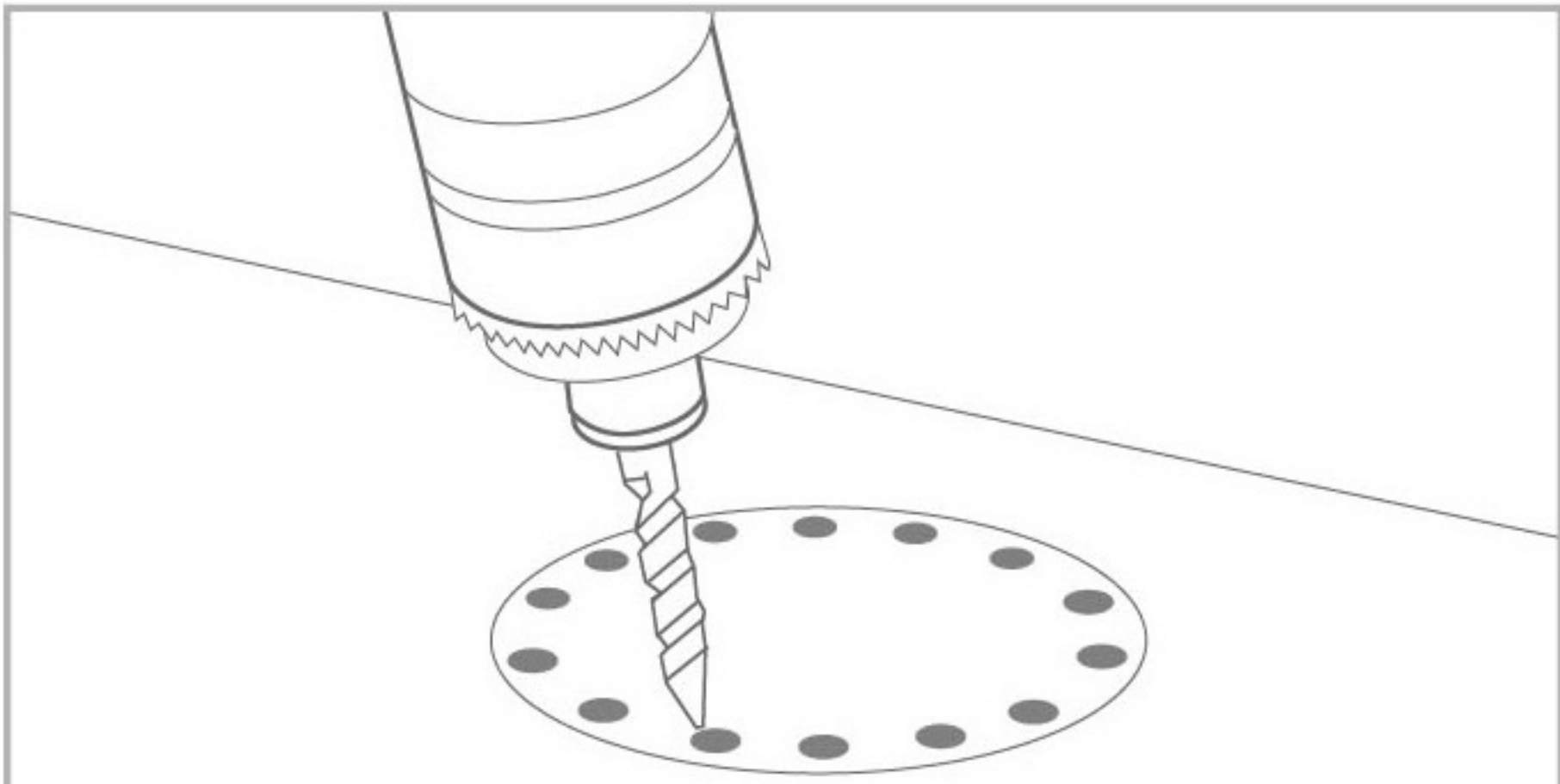
*Please contact company's representative for more installation technique.

Choosing SCG Smartboard 4 mm. to match your ceiling application

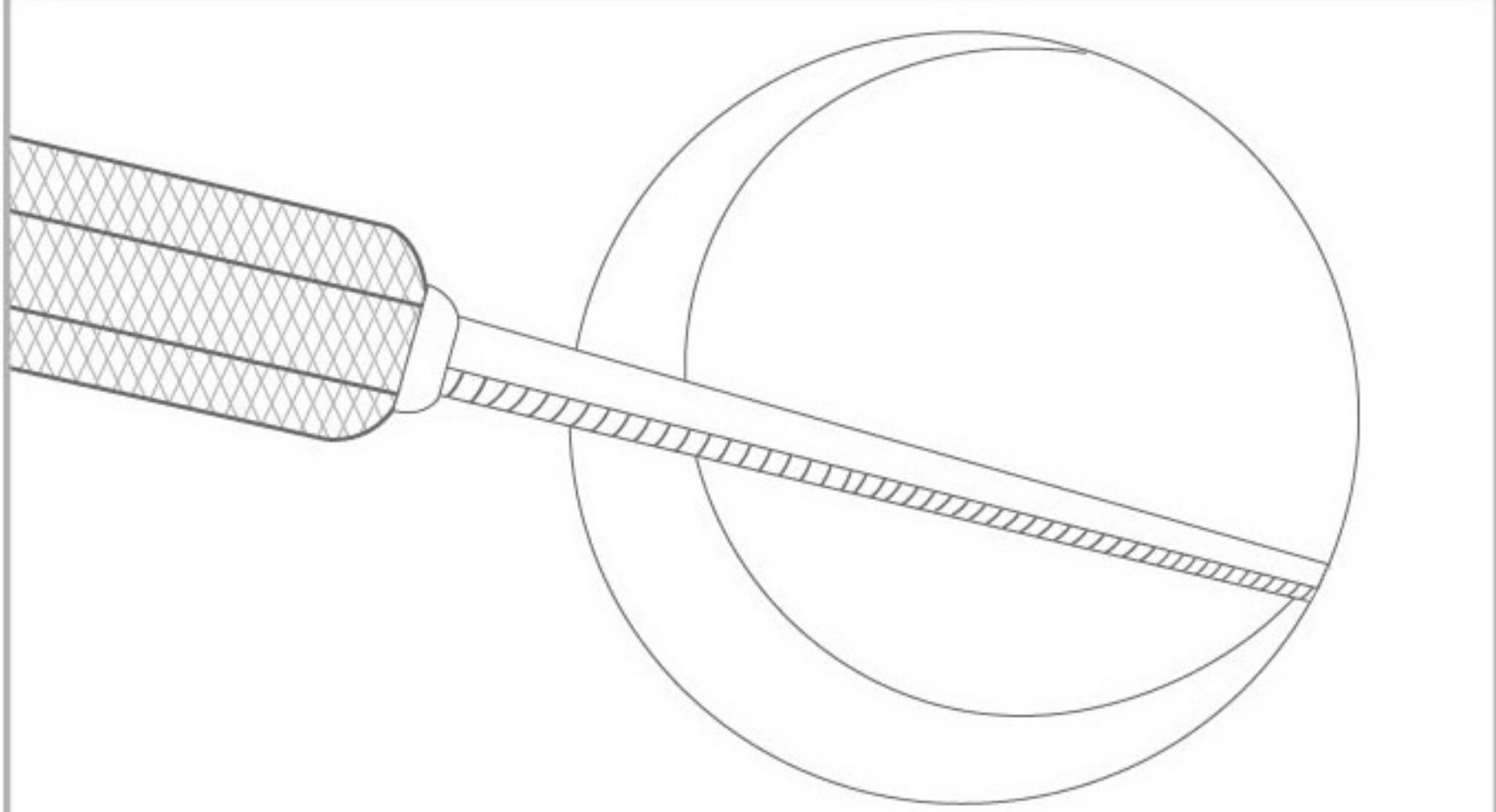
Series
Square Edge
Timber
Wood Grain
3-Inch Square Lining
Ventilated
Ventilated Wood Grain
Ventilated 3-Inch Square Lining

Tips & Tricks

To drill SCG Smartboard

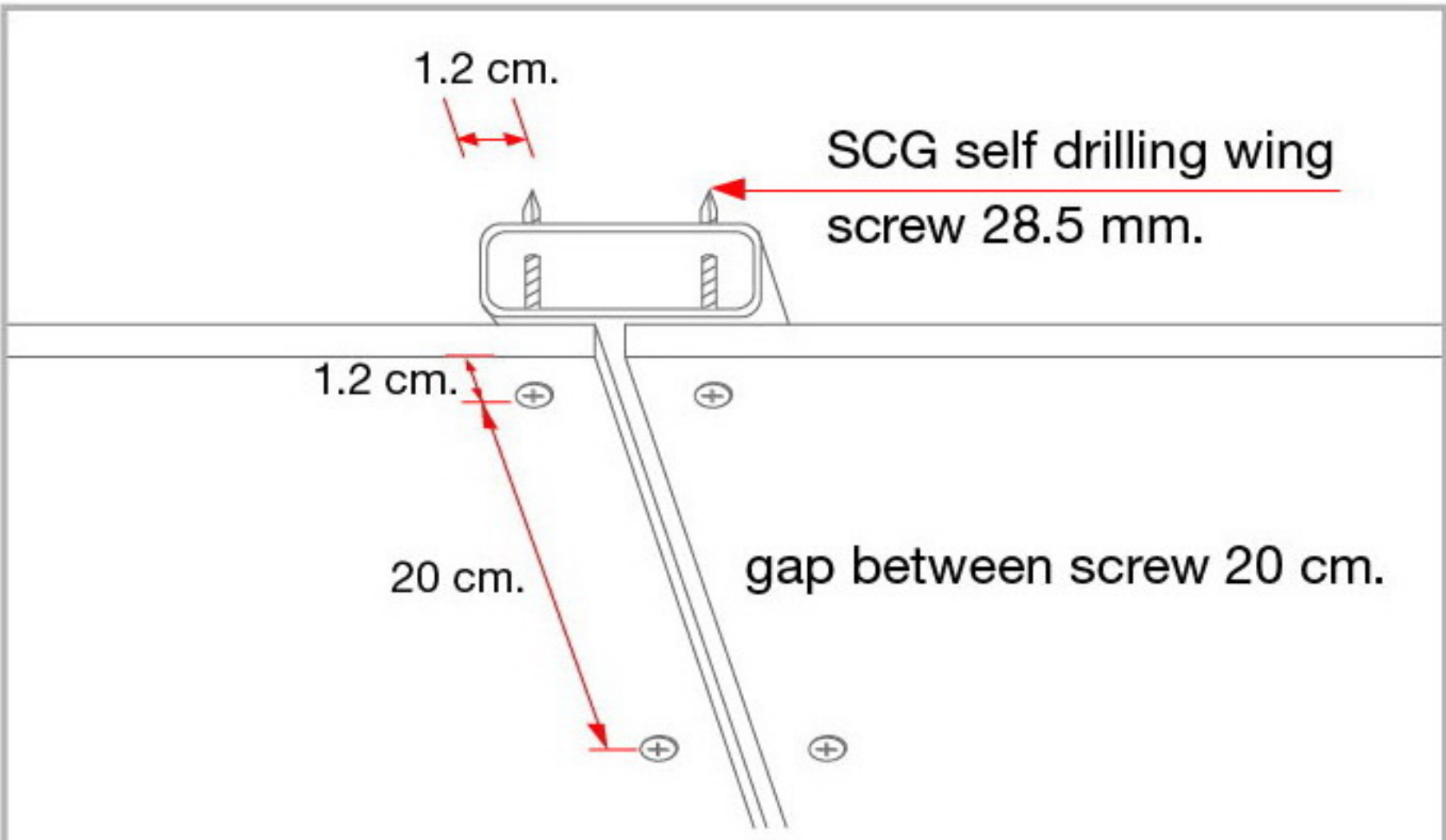


Drill small hole continuously with electric drilling machine according to the set line. Use the hammer knock the unwanted piece to come off.

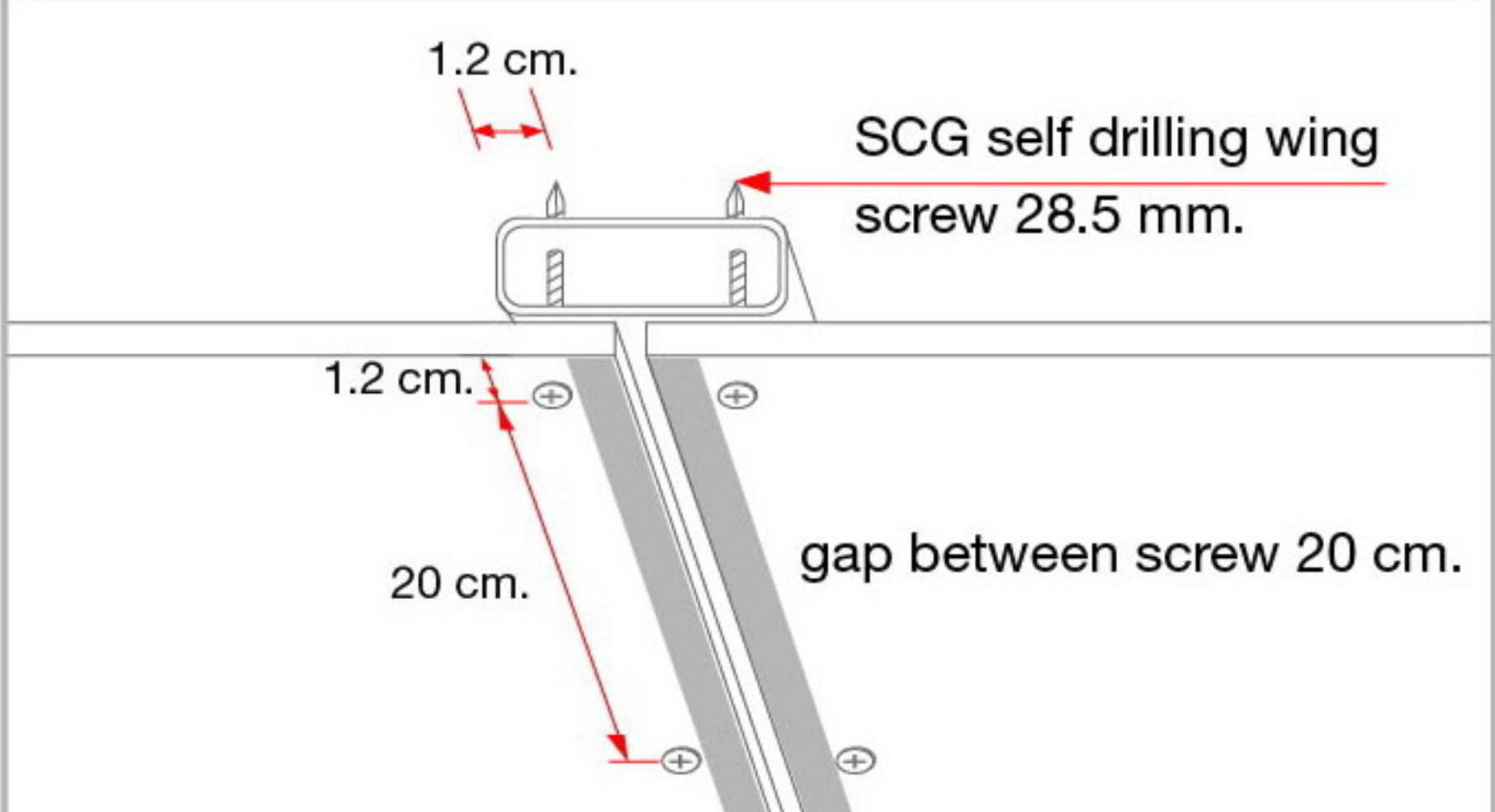


Trim the edge with a file and smooth with sandpaper.

To do space lining SCG Smartboard

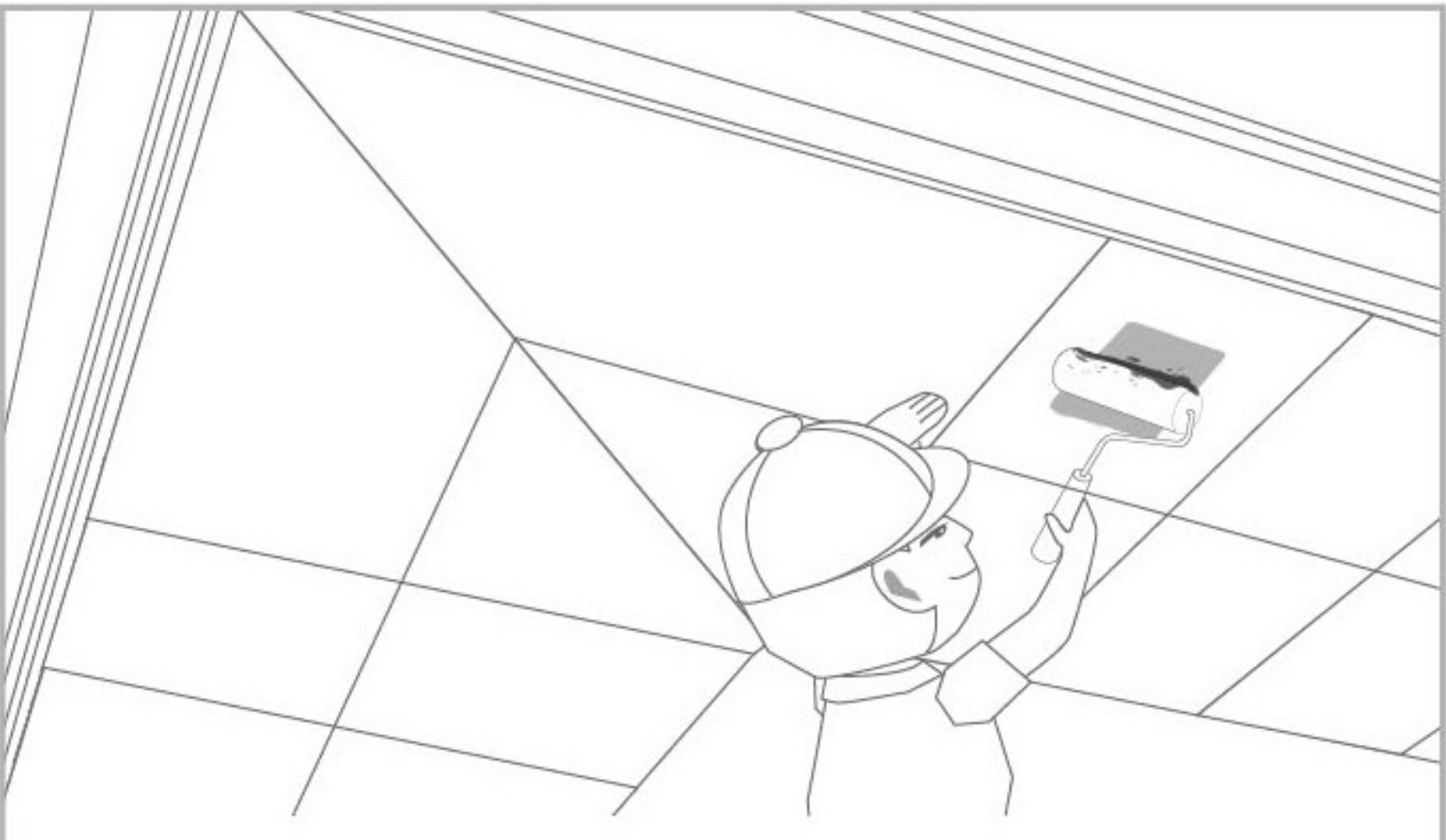


Tight SCG Smartboard with SCG self drilling wing screw 28.5 mm., 20 cm. apart.

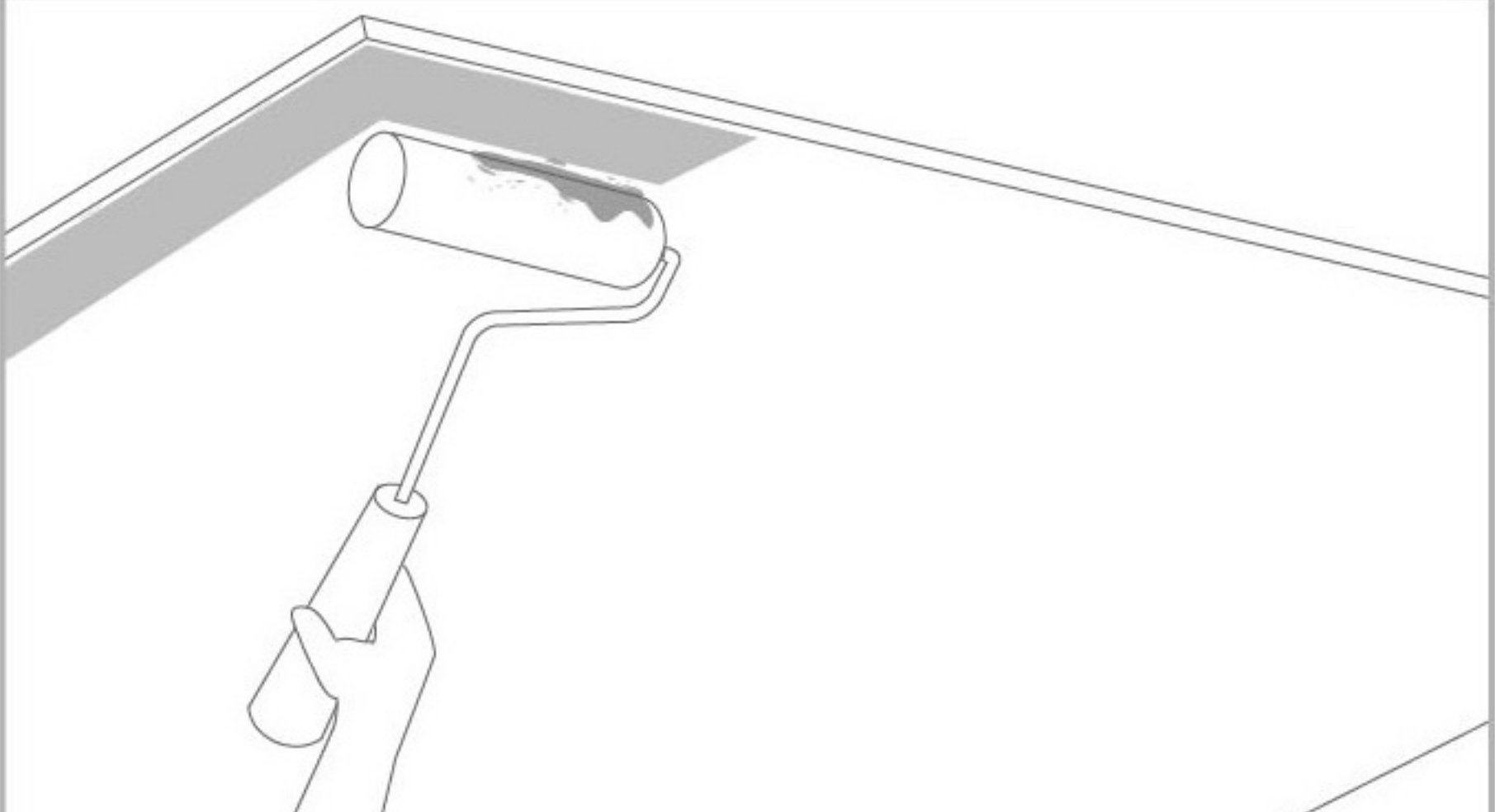


Use the tape before using SCG Smartboard polyurethane joint sealant for the smoother of jointing.

To paint on SCG Smartboard in ceiling application



Before paint with 100% of acrylic paint, apply primer one time.



Then, double coating with 100% of acrylic paint. Leave until dry.

Cautions

- Recommended for ceiling, wall, floor, backer and underlay board only. Do not use as any building's structure or other purposes. The installation shall follow the Installation Manual and use only the standard equipment.
- Eating, intaking and inhaling of the dust that results from drilling, grinding, shearing, washing the materials are prohibited.

Concerned Points

- The Products of SCG Smartboard are designed, while the operation methods are specified to suit with the working condition in Thailand only. Any application outside Thailand is considered to be direct responsibility of the designer, construction supervisor, and installer.
- Installation Manual of Products is always updated. The designer, construction supervisor, and installer shall verify that all methods being used are following the most update of Installation Manual of Products.