Drywalls Ceilings Systems

Gypsum Ceilings Systems

SYSTEM COMPONENTS
ASSEMBLY & FINISHING



SYSTEM (ZC 100)

BRINGING
PLASTERBOARD
TO LIFE



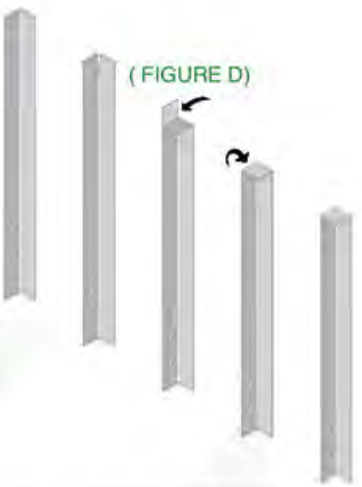
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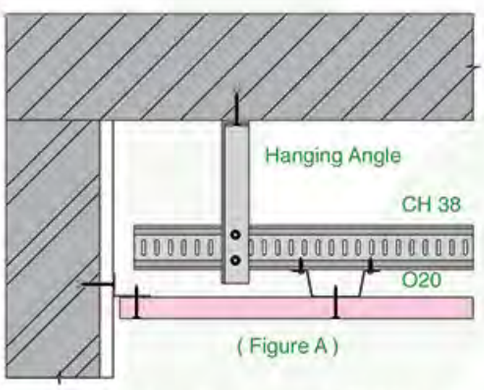
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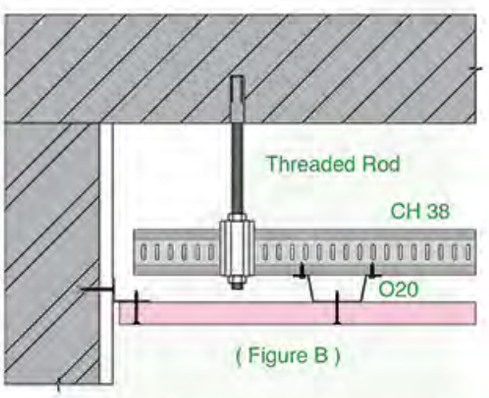
ZC100 System - Installation

1. Determine the suspended ceiling height. Keep the new ceiling level above door frames and window opening.
2. Mark the suspended ceiling height and snap a chalk line (Do not take measurement from floor).
3. Align the bottom of the wall angle moulding (perimeter angle GA25) with the chalk line and fix it to the wall.
4. Position the suspension hanger, (threaded rods 6mm As in Figure B or hanger angle As in Figure A).
5. ALZAHABIA Hanging Angle Section may be used to fix directly to the sofit for single boarding solutions only.
   - The Angle section must be snipped at the one end with each side overlaped inwards on the top of each other as illustrated below. (FIGURE D)





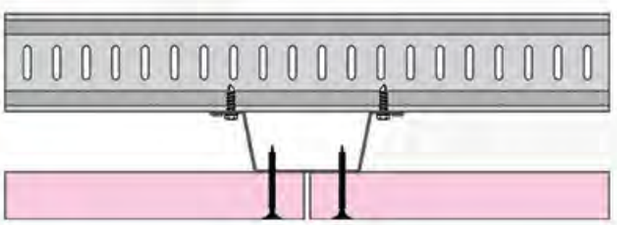
(Figure A)

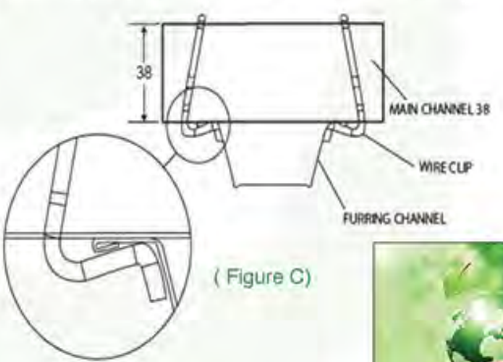


(Figure B)

6. Install the main ceiling channel (CH38) at the maximum 1200mm and adjust with the adjustable suspension hanger (UB38)to the required height. Distance between wall and first main ceiling channel is 300 – 400 mm.
   Connect the furring cross channel (O20) (at maximum centers 600mm)to the main ceiling channel by using wire connecting clip or head pan screw as in the figure C

7. Install the ceiling panel (gypsum board) by fixing it with the furring channel using dry wall screw.





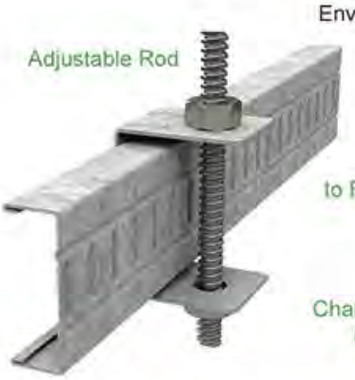
(Figure C)


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CONNECTING THE MAIN CEILING CHANNEL TO THE BRACKET (USING UB 38 & CH38)

1- (UB38) is used to hold the main ceiling by a Threaded Rod, an adjustment spring is not required.
The adjustment takes place with Nuts (FIG.1).

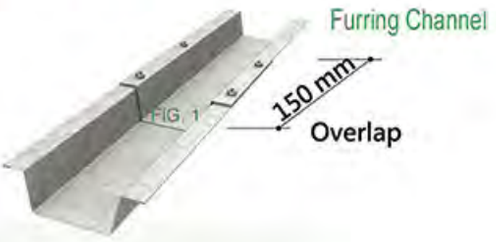
2 - Slide the Main Ceiling Channel (CH38) through the Channel Bracket (UB38)of the leveling bolt.
The grid can be adjusted to level by loosening of the bottom nut of the leveling bolt / channel bracket.



CORRECT WAY FOR SPLICING PROFILES



FIG. 2



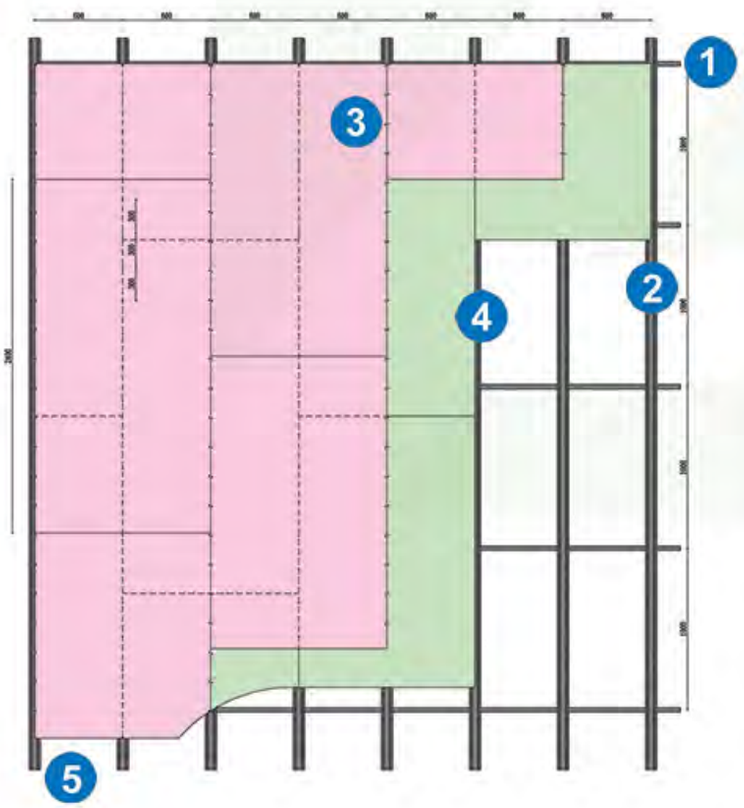
ZC100 System - Plasterboard Installation

SINGLE LAYER PLASTERBOARD

- Bound edges must be fixed at right angles to the ALZAHABIA ceiling Channel with joints lightly butted together.
- All boards should be staggered by half a board length, joining at the center of Ceiling Channel.
-The plasterboardsis screw-fixed to the Ceiling Channes as per layout indicated below.

DOUBLE / MULTIPLE LAYER PLASTERBOARD

- All board joints must be staggered between layers whilst also ensuring that joints between boards occur at the center of the ALZAHABIA Ceiling Channel.
- Each layer should screwfixed directly to the Ceiling and Perimeter Channels, avoiding the screws in the layer(s) underneath.



1 - PRIMARY CHANNEL

2- SECONDARY CHANNEL
150mm minimum overlap

3- SCREW FIX CUT END
of the boards to the Secondary Channel at 150mm center

4- DOUBLE/MULTIPLE LAYER
boarding stagger joints
and fixing between layers

5- PAREMETER ANGLE



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CEILING SYSTEM (ZC 100)

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ZC100 System - Installation (CONT.)

Taping and Jointing :

Taping and Joining is a 3 stage process:

1- Tape the Plasterboard joints first with self-adhesive fibre tape .
2- Apply the 1st coat of Joint Filler, After the Joint Filler sets (Approximately within 90 minutes).
3- Apply 2 coats of Joint Filler.
4- When the 2nd coat of Joint Filler is completely dry (this usually takes 24 hours depending on site temporary and air flow) sand it down with Vacuum Sanders to minimize the dust in building site.
5- After sanding, the Taping and Jointing can be painted in the same way as traditional plastering.
6- Apply Corner beads or metal tapes to all external corners and then tape and jointe with a 3 coats process as described in the illustration. (SEE FIGURES BELOW)

NOTE:

When making any opening in the Gypsum Ceiling you must treat the edges of the opening with the appropriate edge profile such as (L Bead or U Bead)

1- Splicing connector: for furring channel or main carrier must be not less than 150mm.
2- Cut Furring channel and Main carrier (5mm) less than the distance related to the wall.
3- Use metal strap instead of threaded rods because it is easier to cut and bend to form the desired fixing.
4- Fasten screws at least 10mm (inward) from edges of the plasterboard .
5- Fasten at least 13mm (inward) from the cut edges of the plasterboard .
6- Fasten at least 3mm (inward) from the cut edges of the metal framing .

LIMITATIONS :

* Installation shall not commence until the building is fully enclosed.
* All Mechanical , Electrical, Fire sprinklers ... etc, above the suspension system must be completed first.
* For exterior soffits OR areas of high wind up loft, use rigid suspension hangers and make allowance for the plenum to breath.

How to Install Drywall Tape



DRYWALL TAPE
Apply drywall tape along with joints.



TAPE COAT
Apply Tape Coat using 6 inch knife spread a 4 inch wide layer of ALZAHABIA joint compound along the seams.



BLOCK COAT
Apply a second layer of compound on top of the tape/



SKIM COAT
Apply Skim Coat using 12 inch knife to apply athin and smooth final layer of a joint compound.



SANDING
Wait 24 hours and use 120 grit sand papper to smooth the wall.

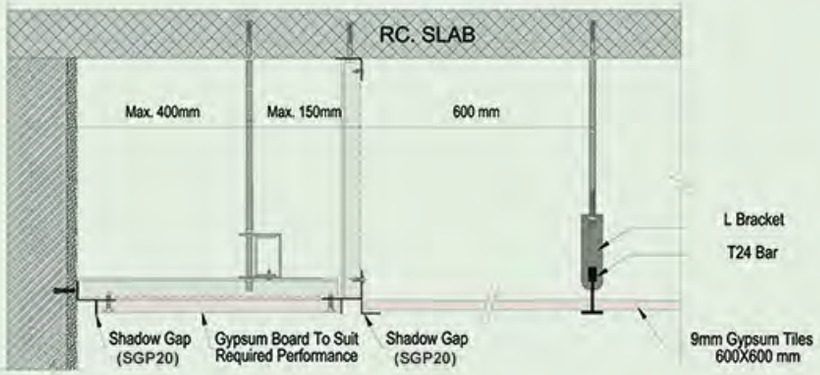


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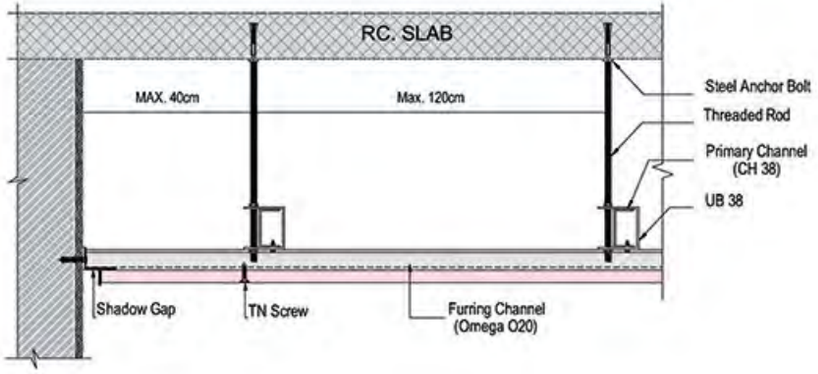
GYPSUM WITH TILES AT THE SAME LEVEL USE (SGP20)



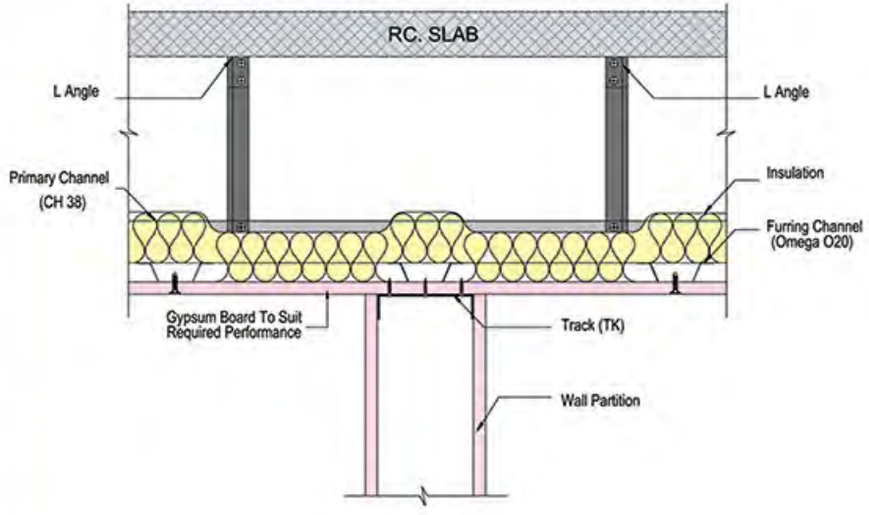
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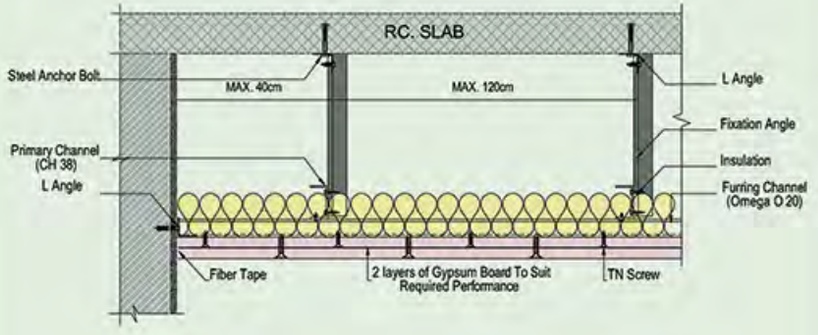
ZC 100 SHADOW GAP



JUNCTION OF PARTITION (HEAD TO CEILING)

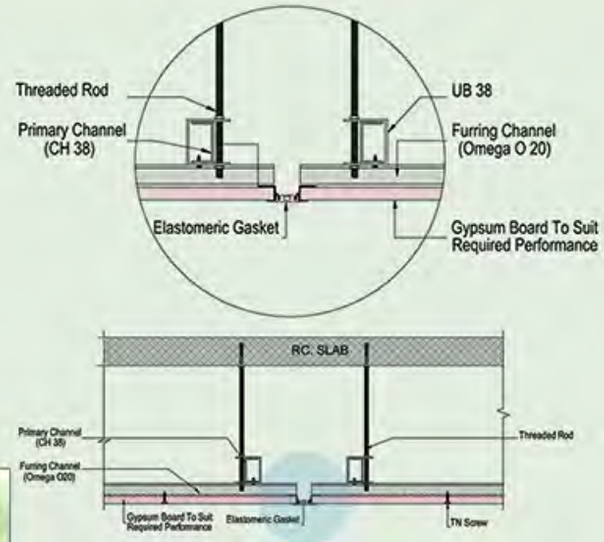


ZC 100 FIRE RATED CEILINGS (up to 60 minutes)

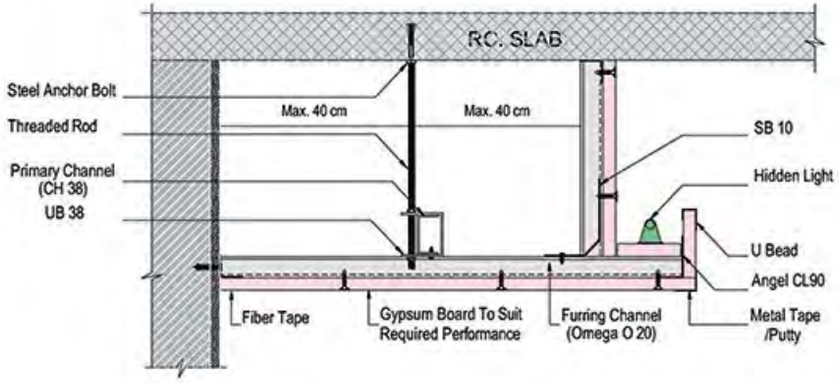


CEILING SYSTEM (ZC 100)

EXPANSION JOINT



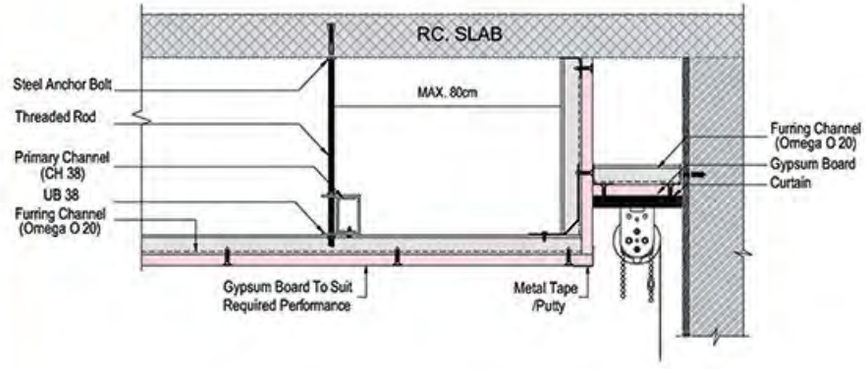
HIDDEN LIGHT



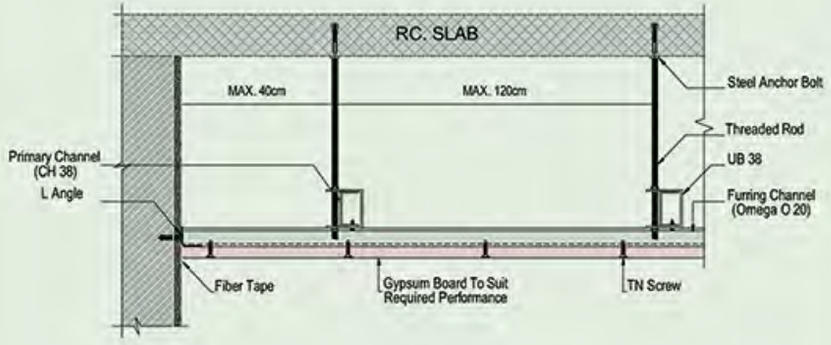
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CURTAIN COVE



ZC 100 FLAT

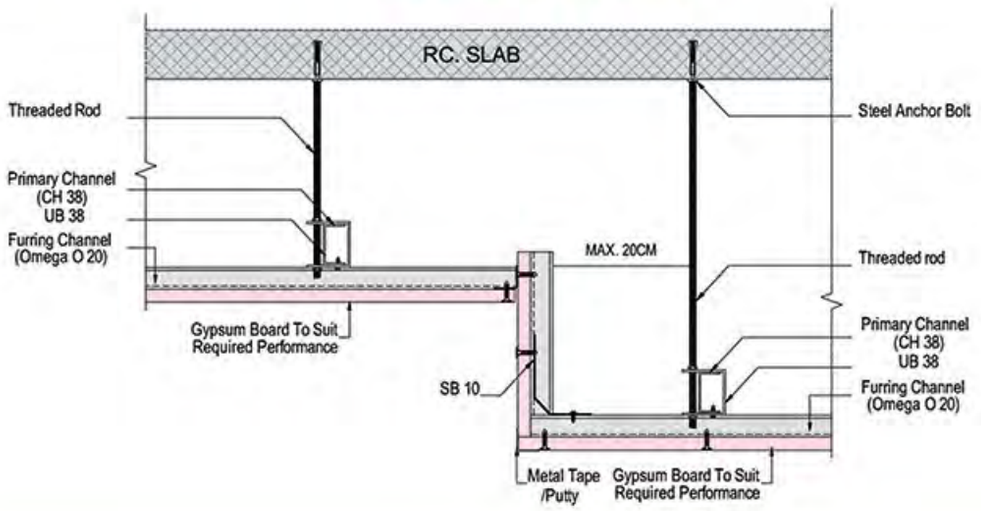


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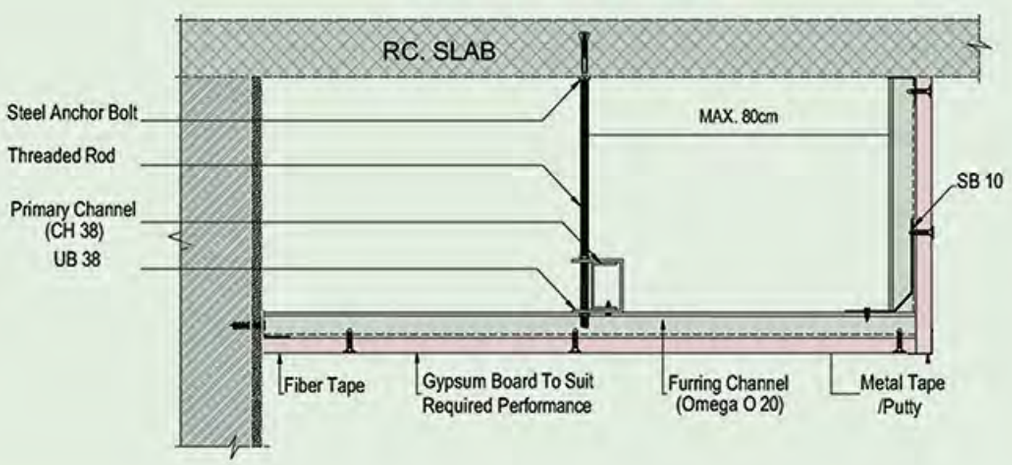
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ZC100 GENERAL APPLICATIONS DETAILS

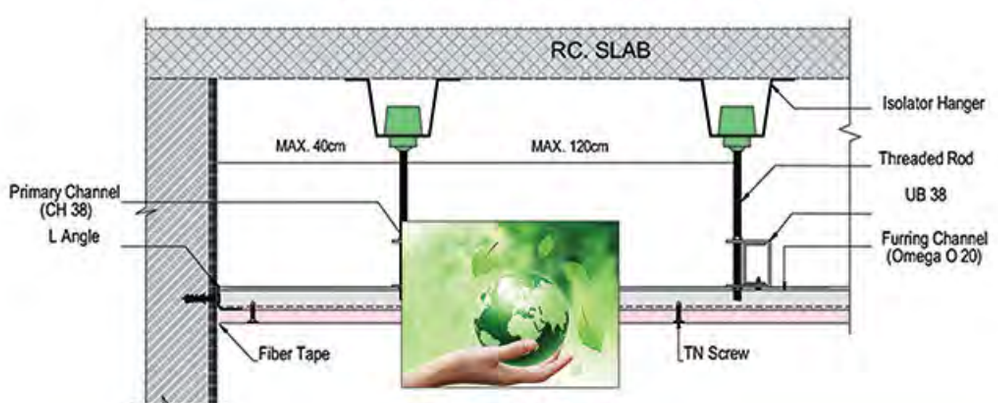
BULK HEAD DETAILS



BULK HEAD DETAILS



ISOLATOR HANGER (GS200)



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