



LITECON FIREWALL 2", 3" OR 4"

INSTALLATION GUIDE FOR FIREWALL

October 2025

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INSTALLATION GUIDELINES

THE FOLLOWING DRAWINGS ASSEMBLIES AND CONSTRUCTION DETAILS ARE FOR ILLUSTRATION PURPOSES ONLY.

CONSULT DESIGN AUTHORITY AND CONFIRM COMPLIANCE CODE. LITECON DOES NOT PROVIDE DESIGN SERVICES.

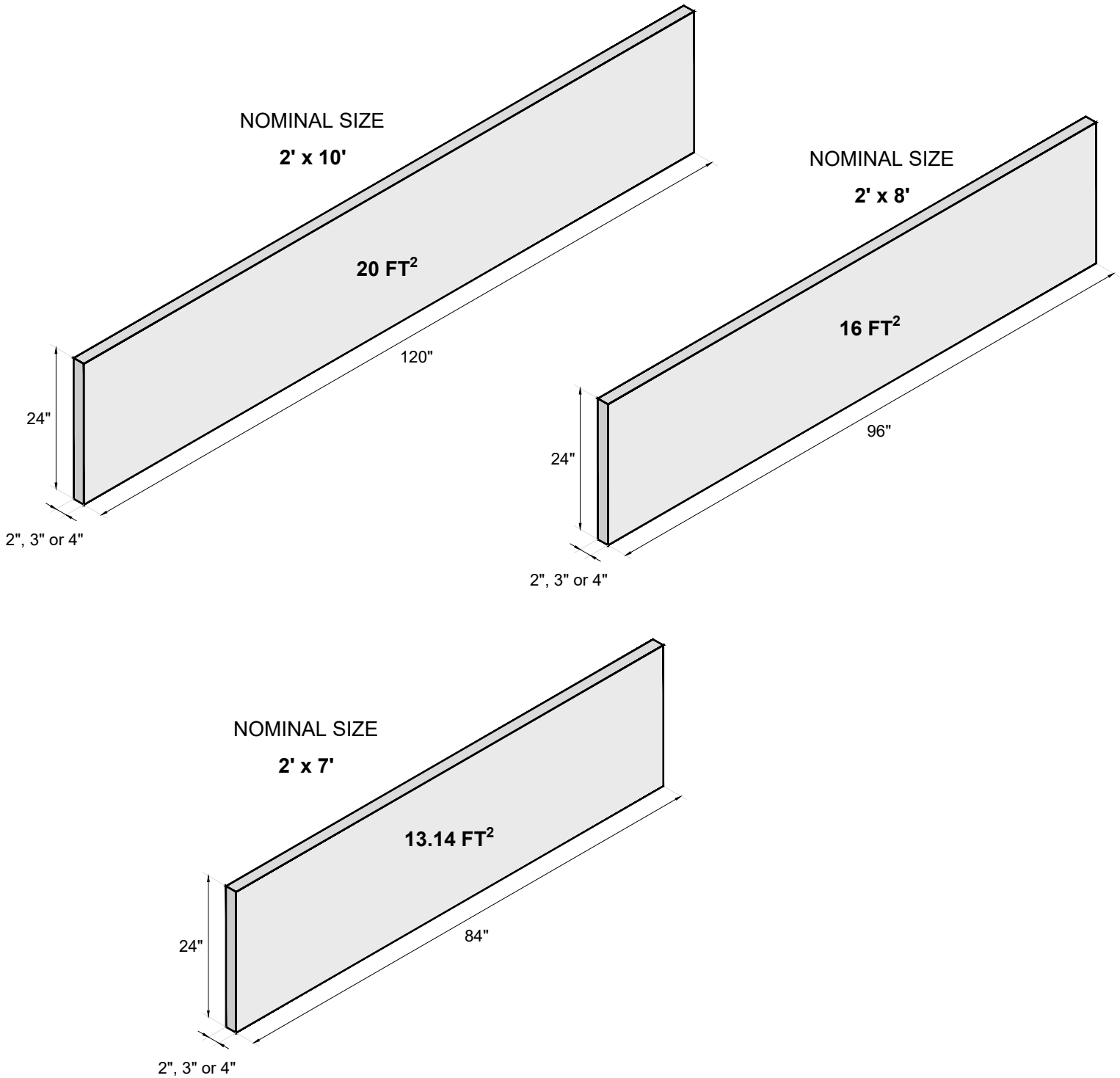
CHECK PLUMB AND ALIGNMENT OF JOIST OR AFTER SUPPORTS.

VERSION:
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LITECON FIREWALL 2", 3" OR 4"

BEFORE STARTING

- 1.- BLUEPRINTS
 - 2.- LITECON FIREWALL PANEL 2", 3" OR 4"
 - 3.- LITECON ADHESIVE
 - 4.- ALUMINUM BURN CLIP
 - 5.- #8 X 1 1/2" SHARP POINT TYPE SCREW MODIFIED TRUSS, WAFER HEAD
 - 6.- #8 X 1/2" SHARP POINT TYPE SCREW MODIFIED TRUSS, WAFER HEAD (FOR METAL) OR
#6X1-1/4" COARSE DRYWALL SCREW-PHOSPHATE (WOOD) COATED-SHARP POINT
 - 7.- TAP WATER
 - 8.- ELECTRIC POWER 110/220V
 - 9.- A 5 GAL. EMPTY BUCKET
 - 10.- GROUT MIXING PADDLE
 - 11.- ELECTRIC DRILL
 - 12.- BATTERY SCREWDRIVER
 - 13.- RUBBER HAMMER
 - 14.- BUBBLE OR LASER KNIFE
 - 15.- JOINT KNIFE
 - 16.- CIRCULAR SAW
 - 17.- 7" DIAMOND TURBO BLADE
-

LITECON FIREWALL PANEL DIMENSIONS



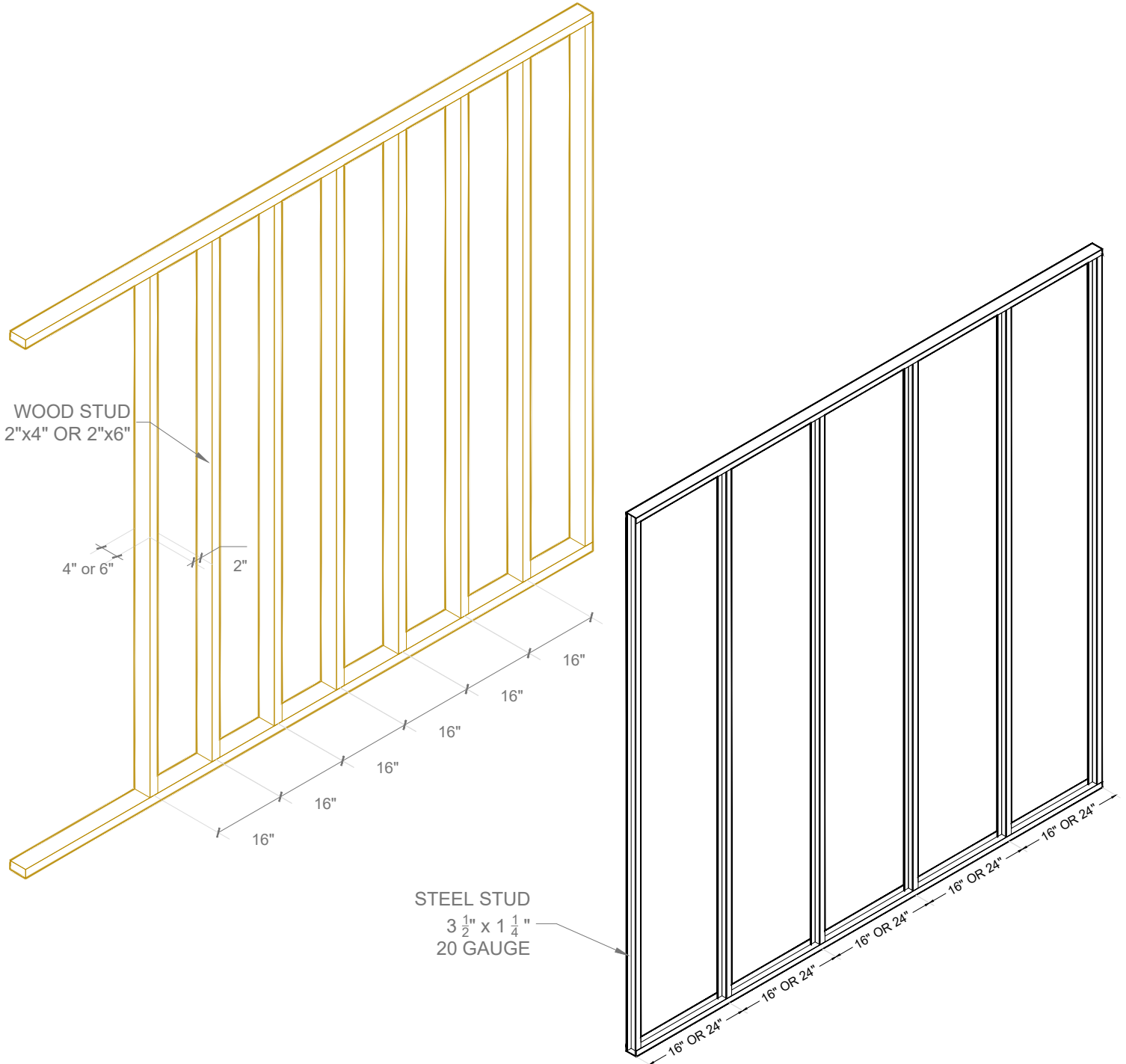
NOTES

- 1.- LENGTH CAN BE ADJUSTED TO DESIGNS NEEDS (EVERY 0.2 INCHES) UP TO 120"

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TYPICAL STUD FRAMES



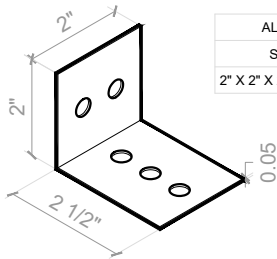
NOTES

- 1.- THE NOMINAL SIZE OF FRAMING STUD IS 2" X 4", THE ACTUAL MEASURE IS 1 1/2" X 3 1/2"
- 2.- THE NOMINAL SIZE OF FRAMING STUD IS 2" X 6", THE ACTUAL MEASURE IS 1 1/2" X 5 1/2"
- 3.- METAL STUDS SHOULD BE PER DESIGN SPECIFICATIONS. NO MORE THAN 24" O.C.
(PLEASE CONTACT LITECON TECHNICAL DEPARTMENT AND CONSULT YOUR DESIGN PROFESSIONAL).
- 4.- WOOD STUDS SHOULD BE PER DESIGN SPECIFICATIONS. NO MORE THAN 16" O.C.
(PLEASE CONTACT LITECON TECHNICAL DEPARTMENT AND CONSULT YOUR DESIGN PROFESSIONAL).

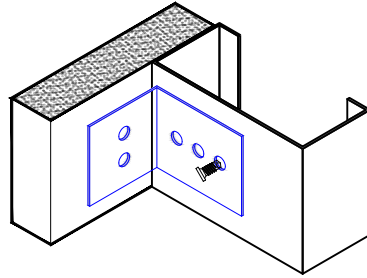
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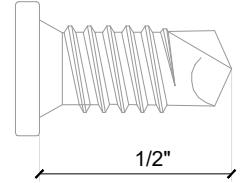
INSTALLATION OF ALUMINUM BURN CLIP ON STEEL FRAME



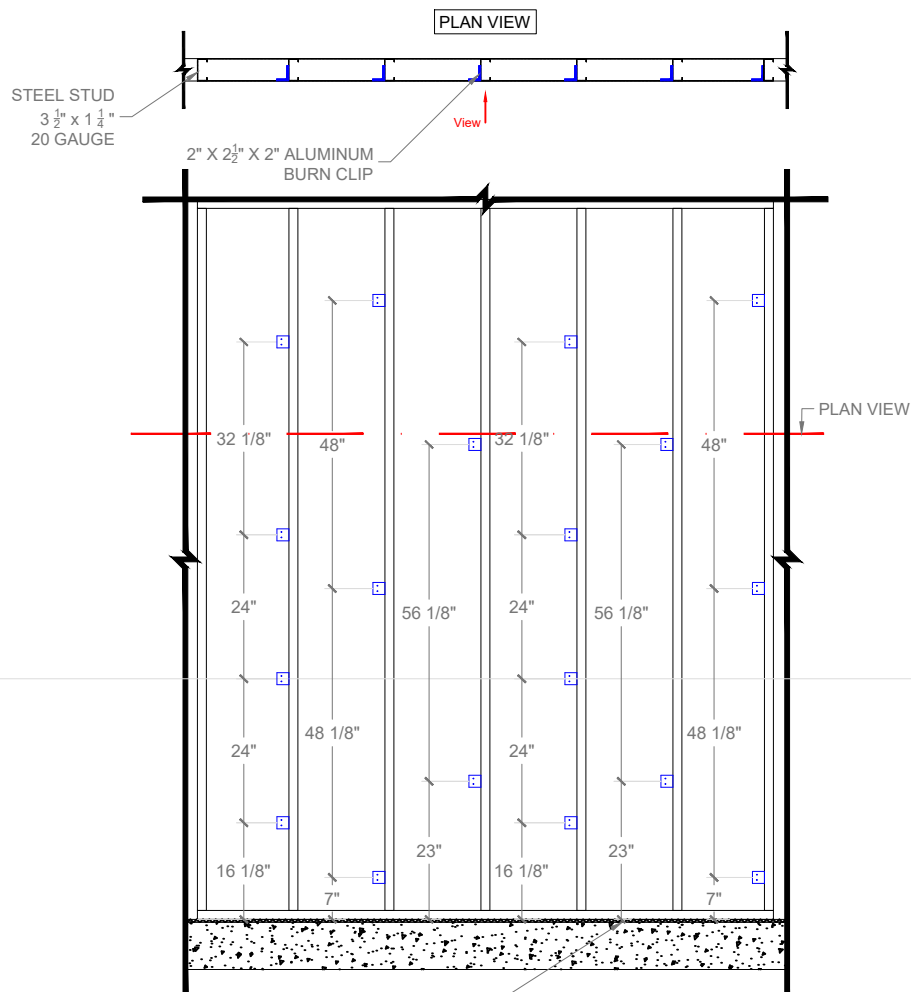
ALUMINUM BURN CLIP	
SIZE	THICKNESS
2" X 2" X 2 1/2" LONG	0.050"



SELF-DRILLING SCREW #8 X 1/2"



FASTENER FOR SEEL STUD



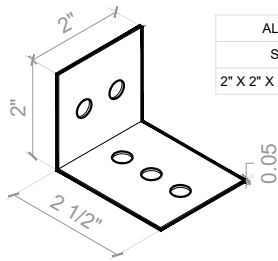
NOTES

1. THE INSTALLATION OF CLIPS ON OPPOSITE SIDE SHOULD BE PLACED IN REVERSE ORDER TO AVOID MEETING ANOTHER SCREW FROM THE OPPOSITE SIDE OF THE WALL
2. INSTALL THE ALUMINUM BURN CLIP TO STEEL STUD WITH A SELF-DRILLING #8X1/2"
3. ALUMINIUM BURN CLIPS SPACED MAX16 IN. FROM HORIZONTAL JOINTS AND 2 FT OC VERTICALLY PER PANEL.
4. INSTALL THE ALUMINUM BURN CLIP WITH 2 FASTENERS TO STEEL STUD.
5. THE LONGER SIDE OF THE CLIP MUST BE PLACED ONTO THE STEEL STUD.
6. CONTINUE WITH THE DISTANCE AND SEQUENCE OF THE CLIPS.

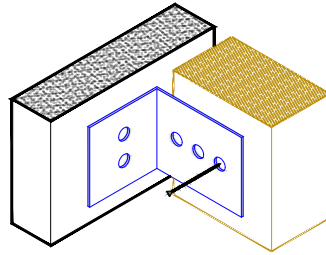
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INSTALLATION OF ALUMINUM BURN CLIP ON WOOD FRAME



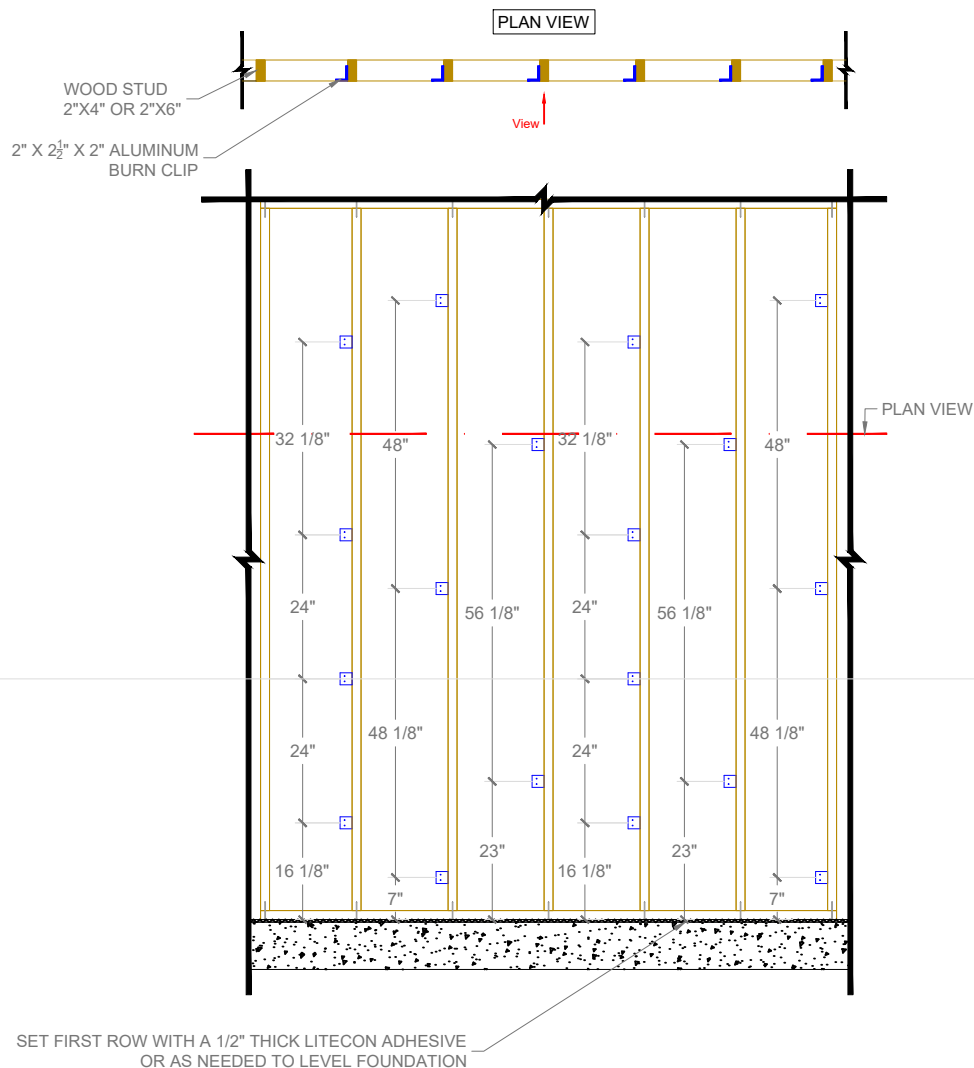
ALUMINUM BURN CLIP	
SIZE	THICKNESS
2" X 2" X 2 1/2" LONG	0.050"



#6X1-1/4" COARSE DRYWALL SCREW-PHOSPHATE COATED-SHARP POINT



FASTENER FOR STUD



NOTES

1. THE INSTALLATION OF CLIPS ON OPPOSITE SIDE SHOULD BE PLACED IN REVERSE ORDER TO AVOID MEETING ANOTHER SCREW FROM THE OPPOSITE SIDE OF THE WALL
2. INSTALL THE ALUMINUM BURN CLIP TO WOOD STUD WITH A #6 1-1/4 " "W" TYPE FASTENER COATED.
3. ALUMINIUM BURN CLIPS SPACED MAX16 IN. FROM HORIZONTAL JOINTS AND 2 FT OC VERTICALLY PER PANEL.
4. INSTALL THE ALUMINUM BURN CLIP WITH 2 FASTENERS TO WOOD STUD.
5. THE LONGER SIDE OF THE CLIP MUST BE PLACED ONTO THE WOOD STUD.
6. CONTINUE WITH THE DISTANCE AND SEQUENCE OF THE CLIPS.

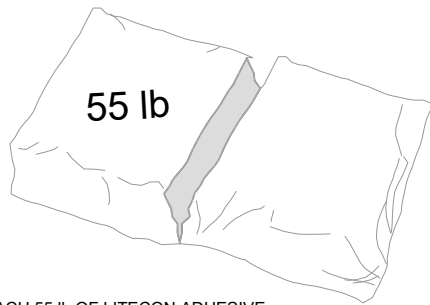
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LITECON ADHESIVE APPLICATION

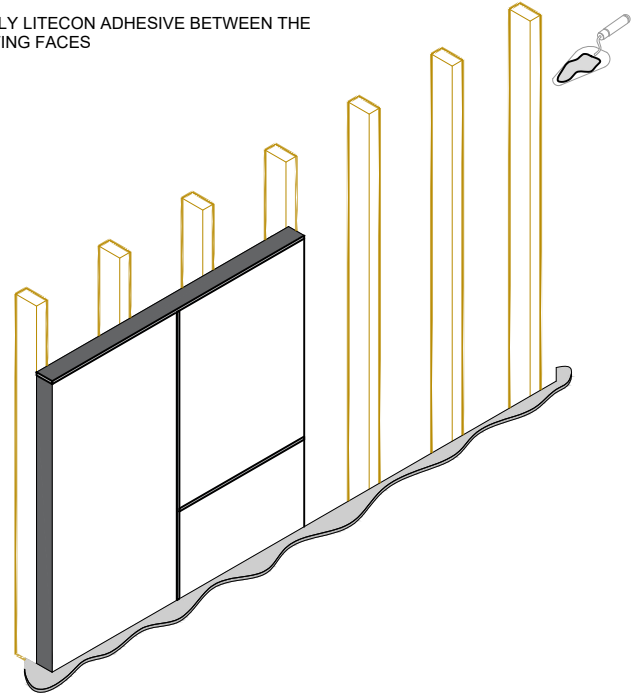


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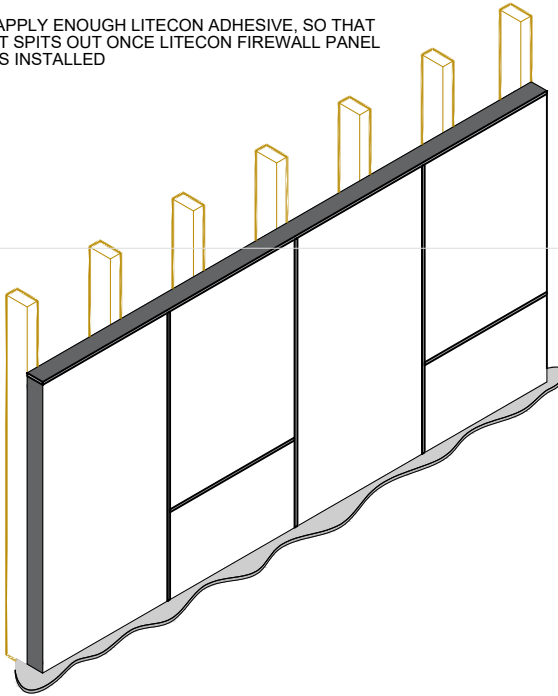


MIX 4/5 gal OF WATER FOR EACH 55 lb OF LITECON ADHESIVE. MIX TO OBTAIN A UNIFORM WORKABLE CONSISTENCY WITH NO CLUMPS. LET REST FOR 5 MINUTES, MIX AGAIN AND APPLY

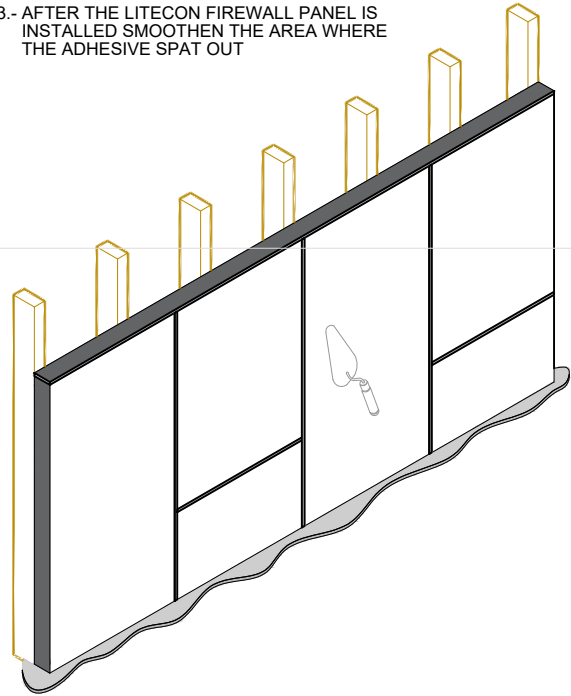
1.- APPLY LITECON ADHESIVE BETWEEN THE MATING FACES



2.- APPLY ENOUGH LITECON ADHESIVE, SO THAT IT SPITS OUT ONCE LITECON FIREWALL PANEL IS INSTALLED



3.- AFTER THE LITECON FIREWALL PANEL IS INSTALLED SMOOTHEN THE AREA WHERE THE ADHESIVE SPAT OUT



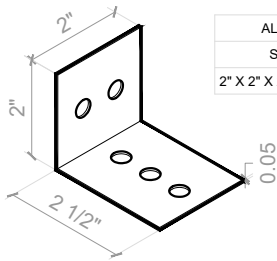
NOTES

- 1.- LEVEL WITH LITECON ADHESIVE AS NEEDED
- 2.- ALLOW LITECON ADHESIVE TO DRY FOR A MINIMUM OF 24 HOURS PRIOR TO APPLYING ANY LOAD

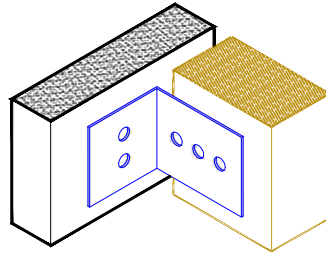
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LITECON FIREWALL PANEL INSTALLATION (VERTICAL)



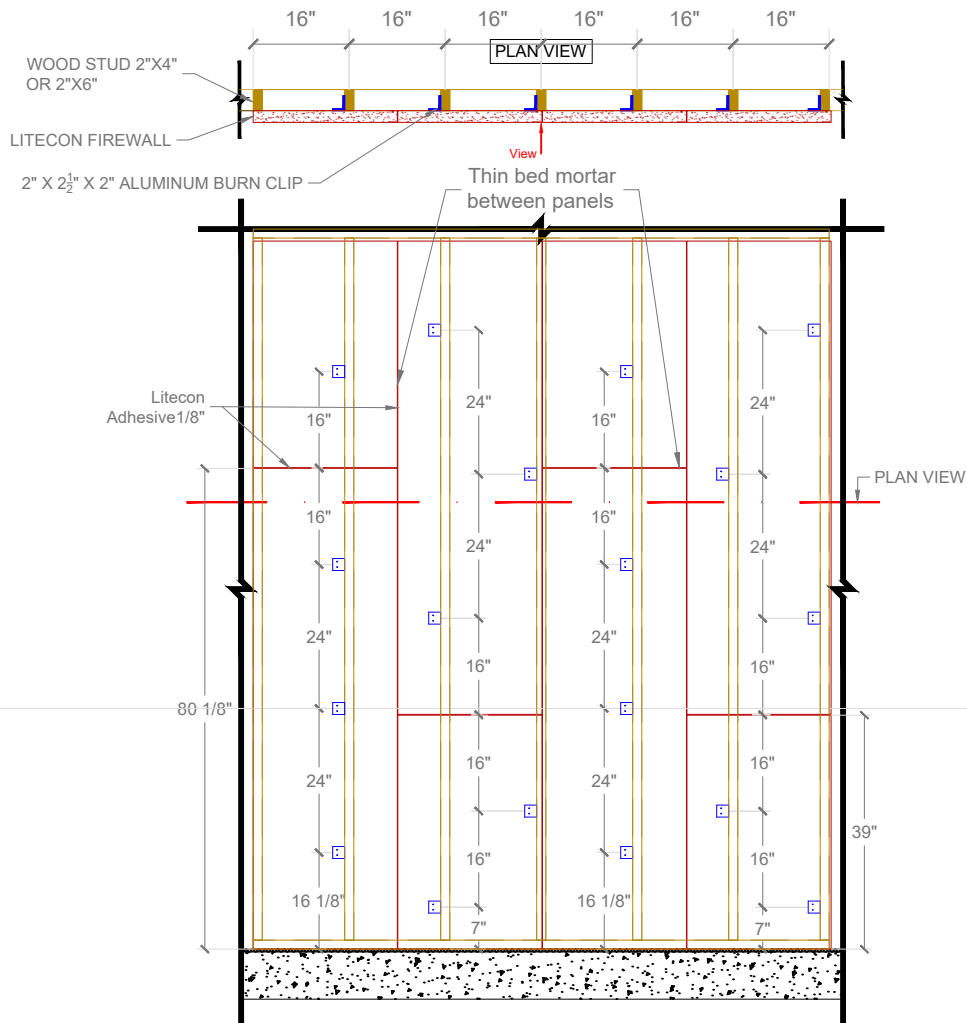
ALUMINUM BURN CLIP	
SIZE	THICKNESS
2" X 2" X 2 1/2" LONG	0.050"



**#8X1 1/2" SHARP POINT TYPE SCREW
MODIFIED TRUSS, WAFFER HEAD.**



FASTENER FOR LITECON FIREWALL PANEL



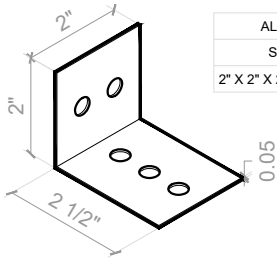
NOTES

1. INSTALL THE ALUMINUM BURN CLIP TO PANEL WITH A #8X1 1/2" SHARP POINT TYPE SCREW MODIFIED TRUSS, WAFFER HEAD.
2. ALUMINUM BURN CLIPS SPACED MAX 16 IN. FROM HORIZONTAL JOINTS AND 24 IN OC VERTICALLY PER PANEL.
3. THE LONGER SIDE OF THE CLIP MUST BE PLACED ONTO THE WOOD STUD.
4. MAX. 4 IN. AIRSPACE BETWEEN EDGE OF STUD AND PANEL.

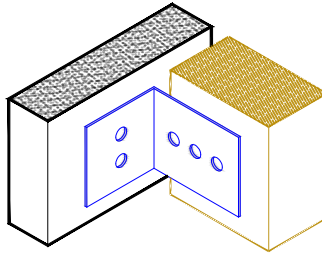
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ALUMINUM BURN CLIP INSTALLATION OPPOSITE SIDE



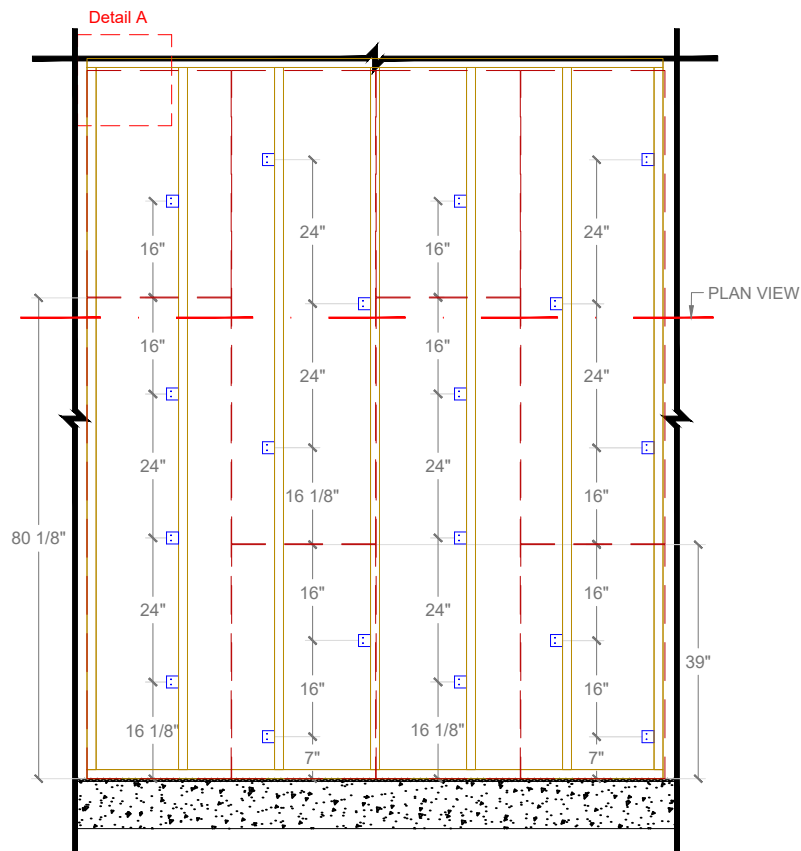
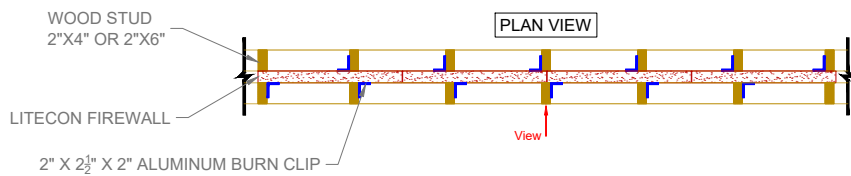
ALUMINUM BURN CLIP	
SIZE	THICKNESS
2" X 2" X 2 1/2" LONG	0.050"



**#8X1 1/2" SHARP POINT TYPE SCREW
MODIFIED TRUSS, WAFFER HEAD.**



FASTENER FOR LITECON FIREWALL PANEL

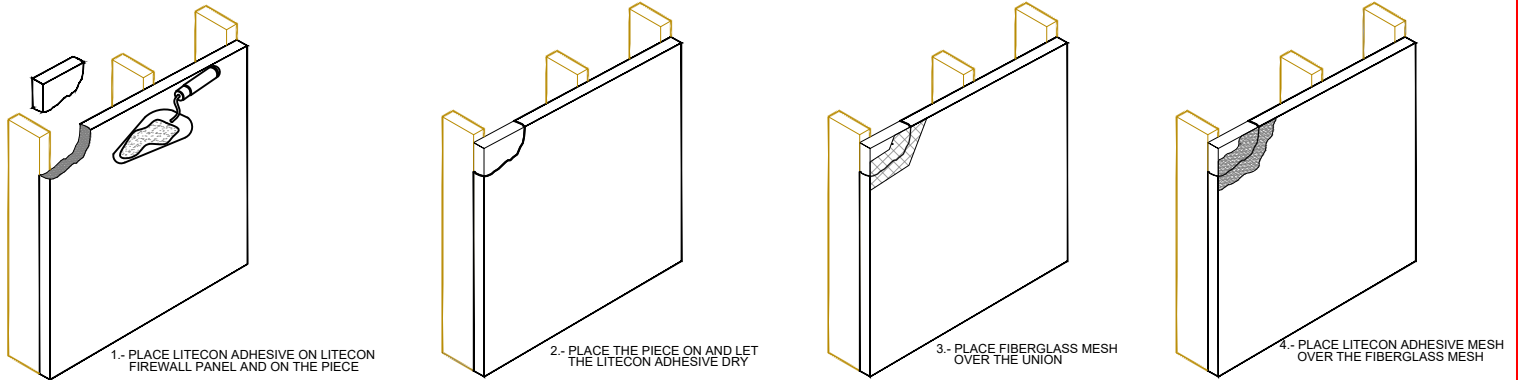


NOTES

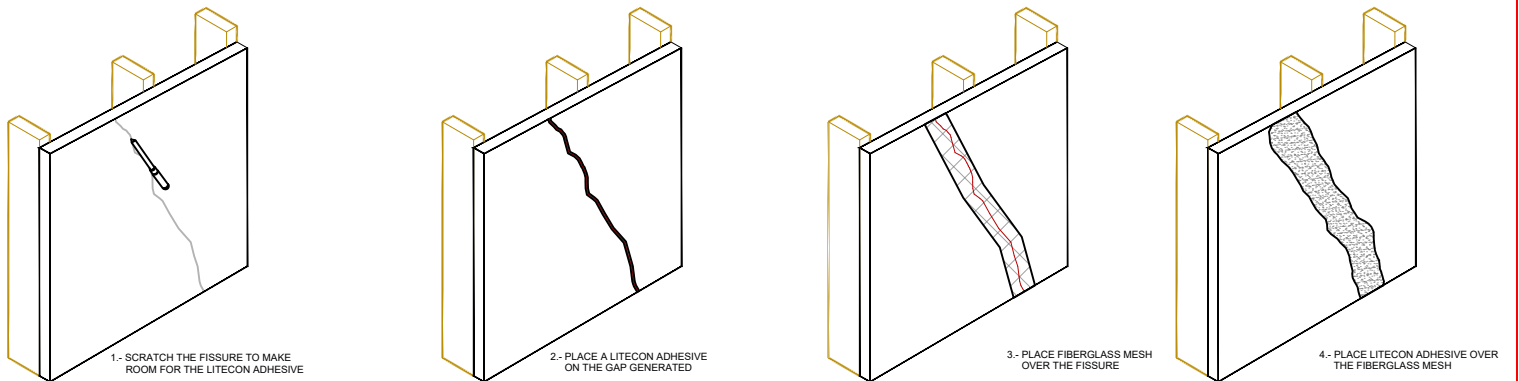
1. INSTALL THE ALUMINUM BURN CLIP TO PANEL WITH A #8X1 1/2" SHARP POINT TYPE SCREW MODIFIED TRUSS, WAFFER HEAD.
2. ALUMINUM BURN CLIPS SPACED MAX 16 IN. FROM HORIZONTAL JOINTS AND 24 IN OC VERTICALLY PER PANEL
3. THE LONGER SIDE OF THE CLIP MUST BE PLACED ONTO THE WOOD STUD.
4. MAX. 4 IN. AIRSPACE BETWEEN EDGE OF STUD AND PANEL.

CRACKS REPAIRING AND FISSURE REPAIRING

CRACKS REPAIRING



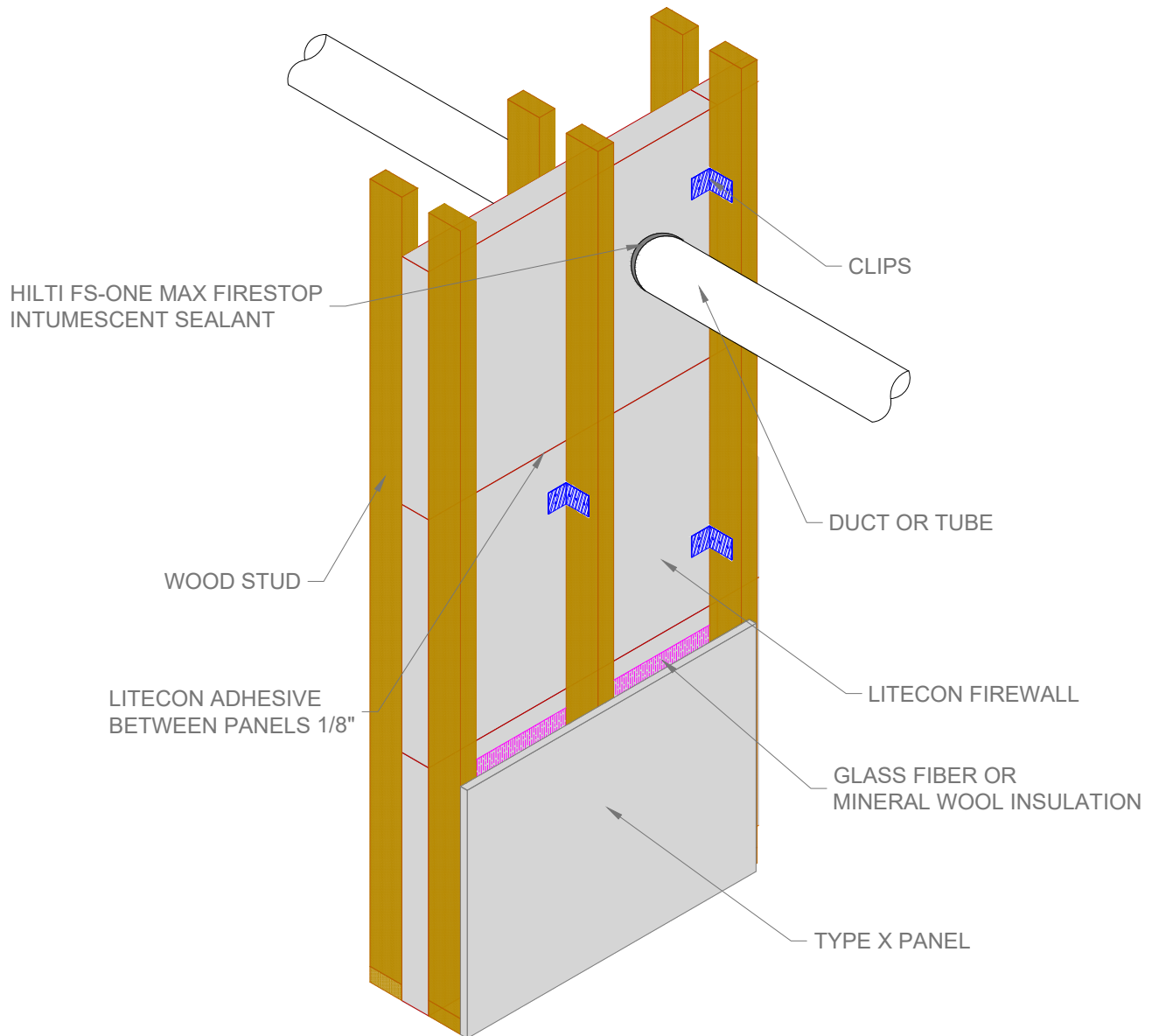
FISSURE REPAIRING



NOTES

1. YOU MUST BE SURE TO FILL THE FISSURE WITH ENOUGH LITECON ADHESIVE ON THE GAP

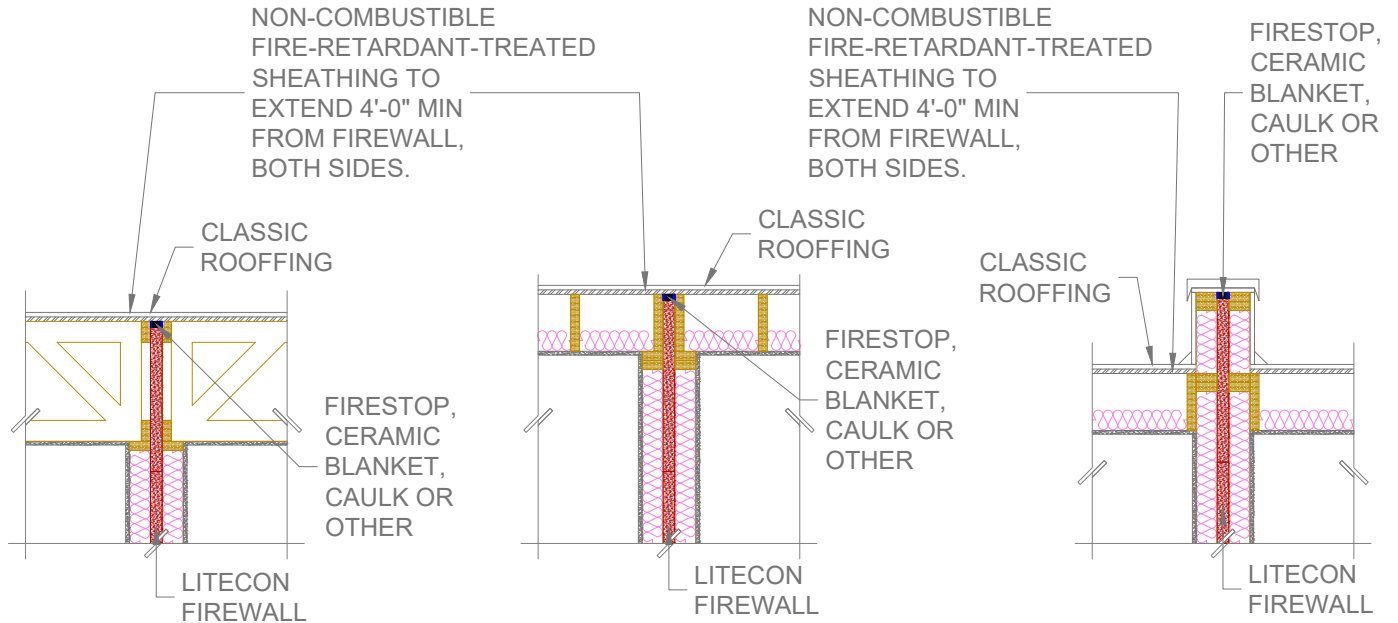
PENETRATION DETAIL



NOTES

1. SEE PRODUCT DETAIL: HILTI FS-ONE MAX FIRESTOP INTUMESCENT SEALANT.

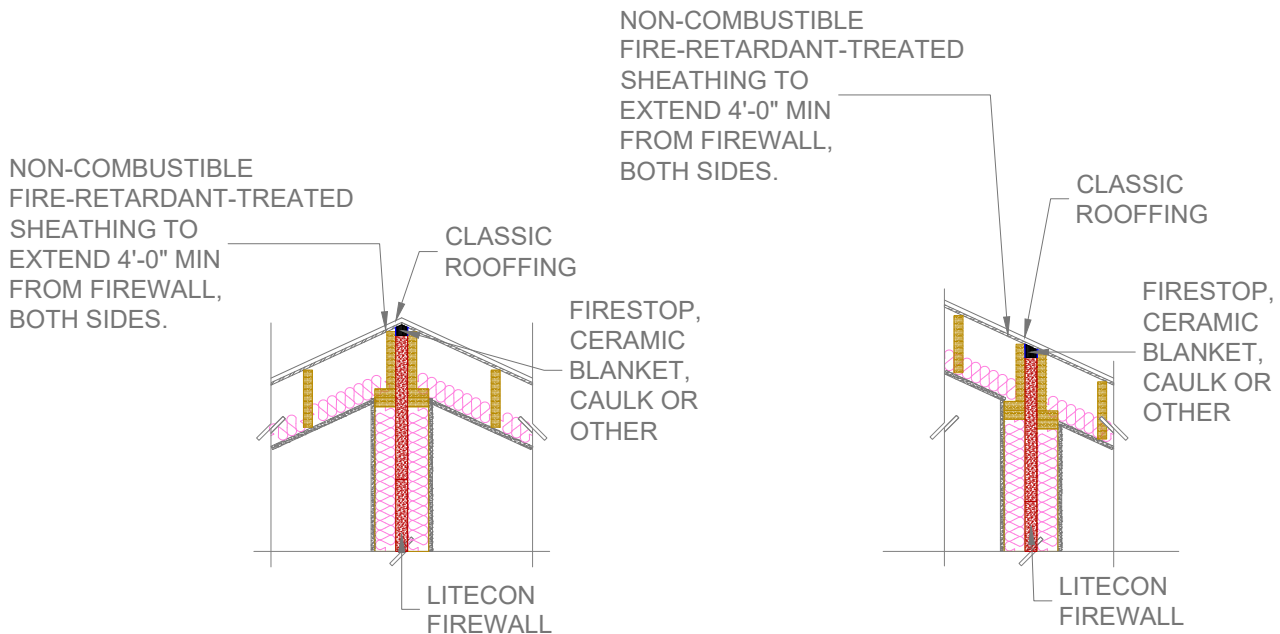
MOST COMMON ROOF ARREGEMENTS



FLAT ROOF TRUSSES

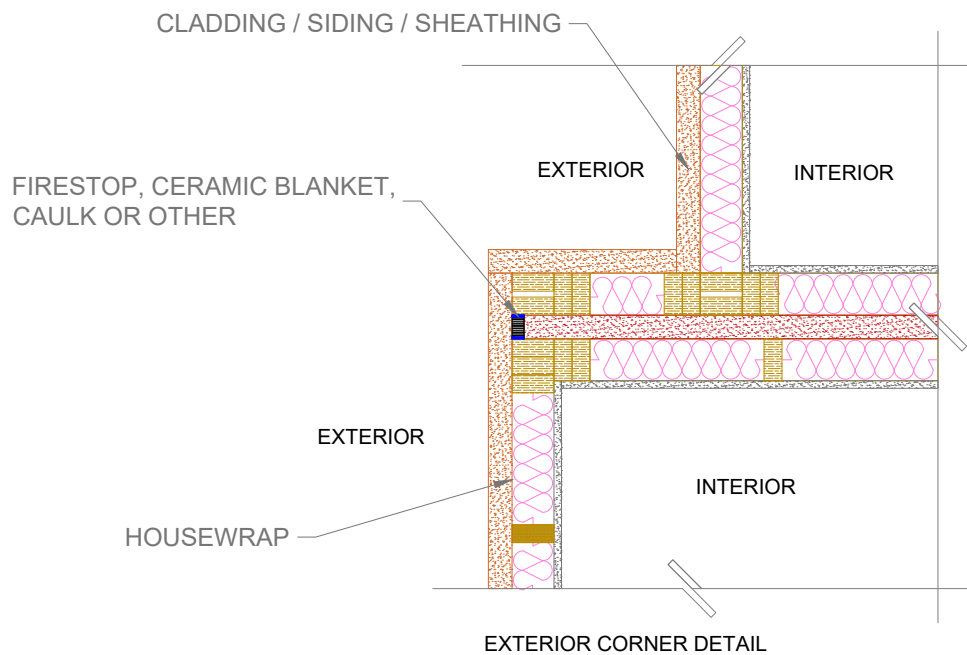
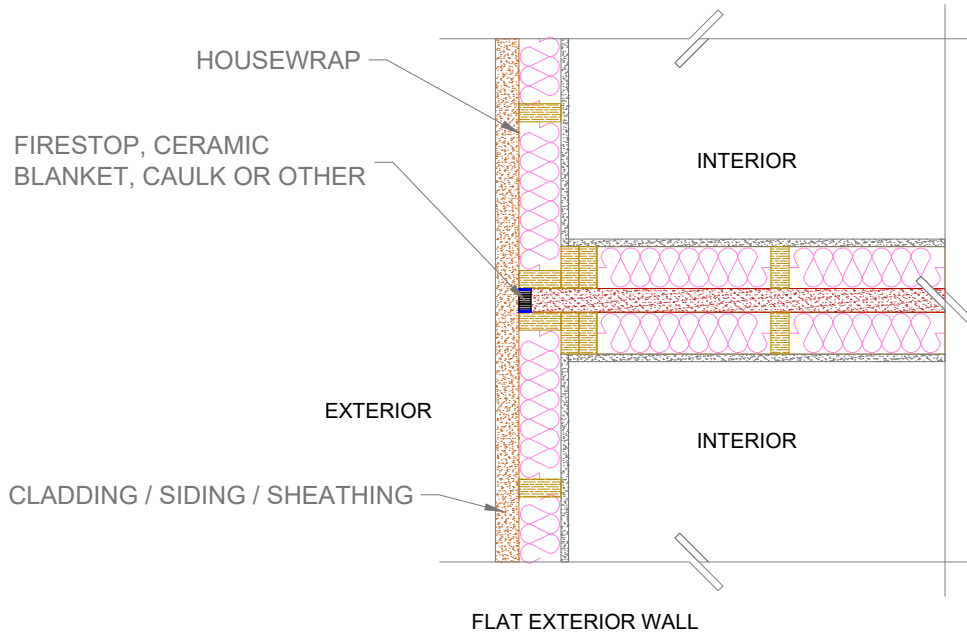
FLAT ROOF JOISTS

PARAPET



GABLE ROOF

MOST COMMON EXTERIOR WALL ARREGEMENTS



FAQS

BEFORE LITECON FIREWALL PANEL INSTALLATION

- Q. WHAT DO I NEED TO CHECK BEFORE I START?
- R. HAVE ALL THE NECESSARY MATERIALS AND TOOLS HAVE A CUTTING AREA
- Q. HOW DO I PREPARE THE LITECON ADHESIVE?
- A. IN A 5 GALLON BUCKET PUT 2 INCHES OF CLEAN WATER, POUR HALF OF A BAG OF LITECON ADHESIVE AND STIR UNTIL THERE ARE NO LUMPS, LET IT REST FOR 5 MINUTES AND GIVE A LAST STIR
- Q. HOW MUCH LITECON ADHESIVE SHOULD I PREPARE?
- A. IT IS RECOMMENDED TO PREPARE HALF A BAG SO IT DOESN'T DRY OUT(PREPARED ADHESIVE LASTS 30 MINUTES)

LITECON FIREWALL PANEL INSTALLATION

- Q. HOW CAN I LEVEL THE FIRST ROW?
- A. YOU CAN LEVEL WITH LITECON ADHESIVE



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