



LITECON SUBFLOOR 2" & 3"

INSTALLATION GUIDE

October 2024

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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 RAFTER SUPPORTS.
- JOIST, WOOD TRUSSES, C-JOIST OR STEEL TRUSSES. SHALL BE DESIGNED IN ACCORDANCE WITH THE CODE TO SUPPORT THE LOADS, INCLUDING THE SELF-WEIGHT OF THE SUBFLOOR PANELS.

BEFORE STARTING

- 1.- BLUEPRINTS
- 2.- LITECON FLOOR PANEL 2" Y 3"
- 3.- LITECON ADHESIVE
- 4.- SCREW #10 - 4 1/2" LONG (#3 PHILLIPS HEAD)
- 5.- NAIL 3 1/2"
- 6.- LIQUID NAIL (OPTIONAL)
- 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 LEVEL LASER
- 15.- KNIFE
- 16.- CIRCULAR SAW
- 17.- 7" DIAMOND BLADE FOR CONCRETE

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PRODUCT:
LITECON SUBFLOOR 2" & 3"

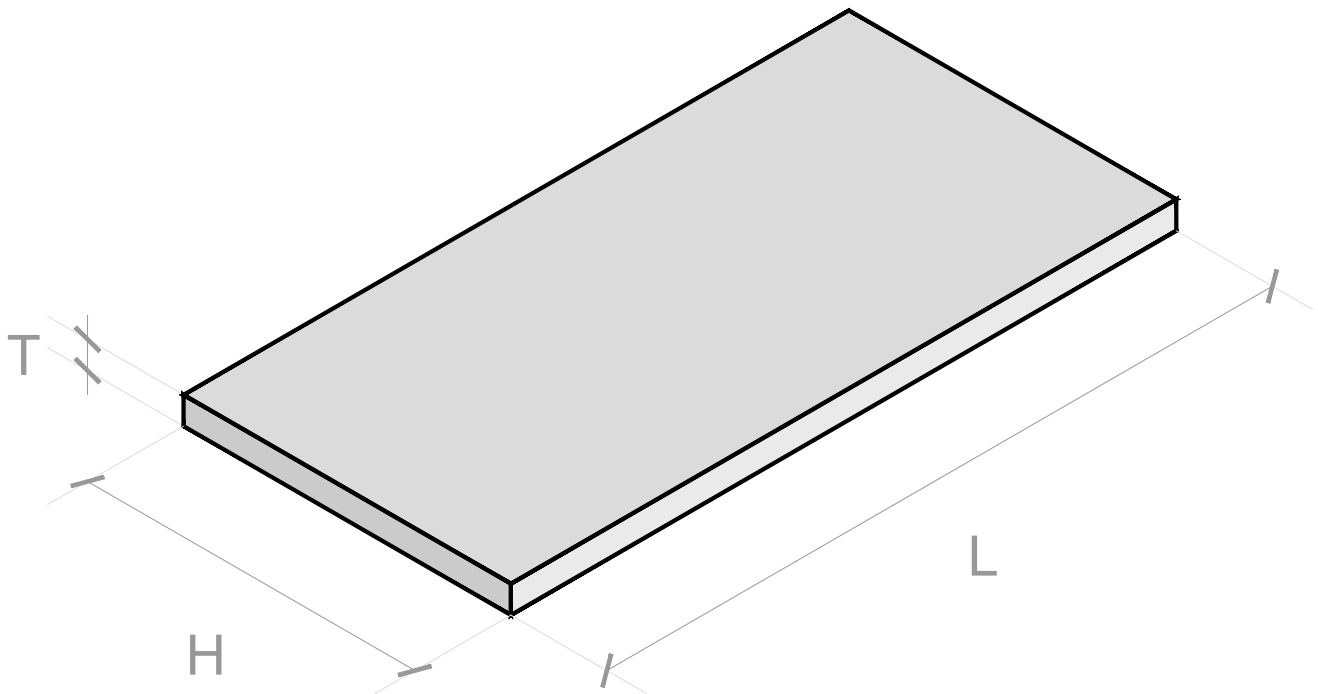
LITECON SUBFLOOR DIMENSIONS

Nominal Size - Subfloor		
Thickness (T)	Height (H)	Length (L)
2"	2'	4'
		5'
		6'
		7'
		8'

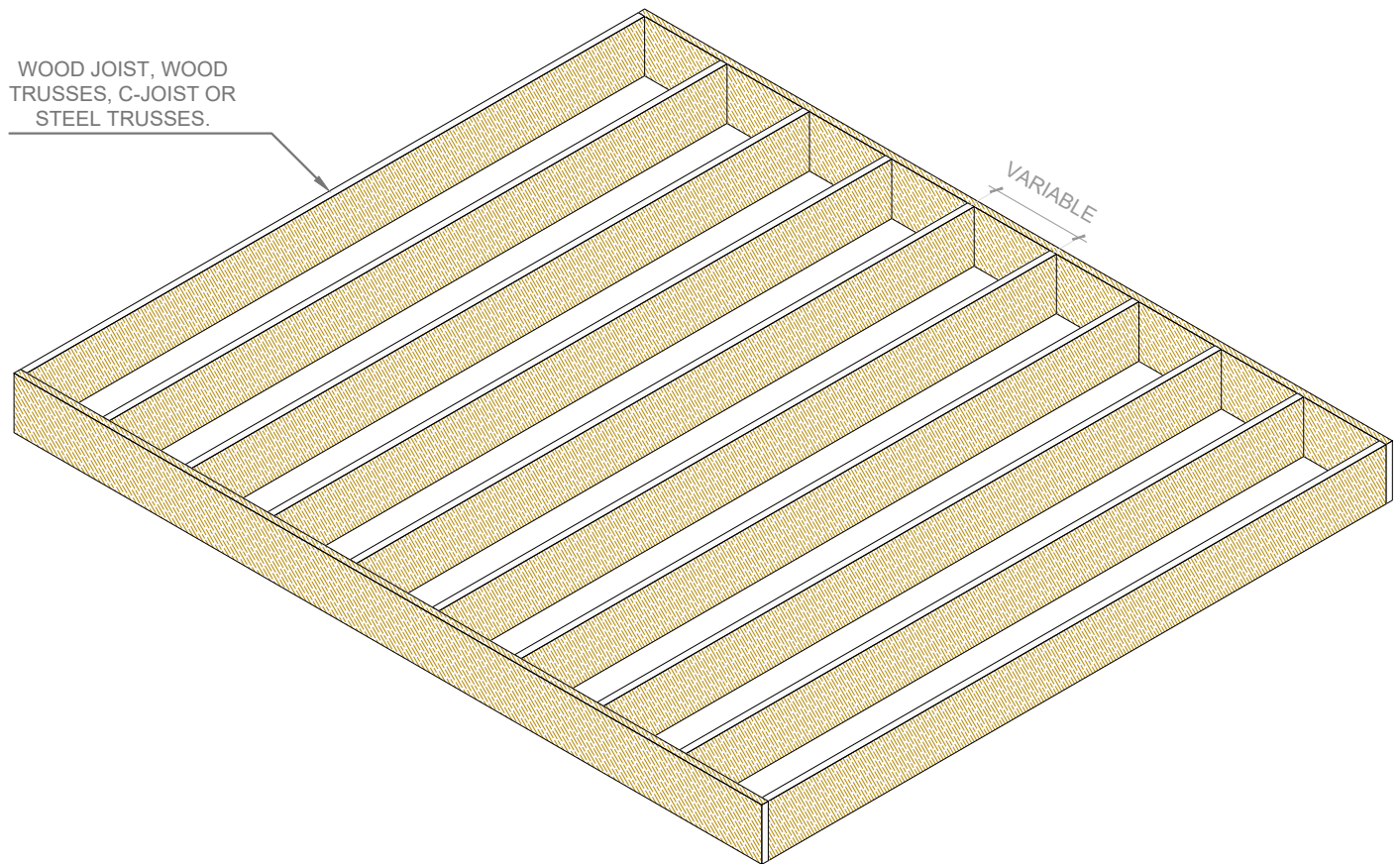
Actual Size - Subfloor		
Thickness (T)	Height (H)	Length (L)
1.96"	24.00"	48.00"
		63.98"
		72.05"
		80.12"
		96.00"

Nominal Size - Subfloor		
Thickness (T)	Height (H)	Length (L)
3"	2'	4'
		5'
		6'
		7'
		8'

Actual Size - Subfloor		
Thickness (T)	Height (H)	Length (L)
2.95"	24.00"	48.00"
		63.98"
		72.05"
		80.12"
		96.00"



TYPICAL FRAMING WITH SUPPORTS
WOOD JOIST, WOOD TRUSSES, C-JOIST OR STEEL TRUSSES.



NOTES

1. SUPPORT SPACING MAY VARY ACCORDING TO THE PROJECT.

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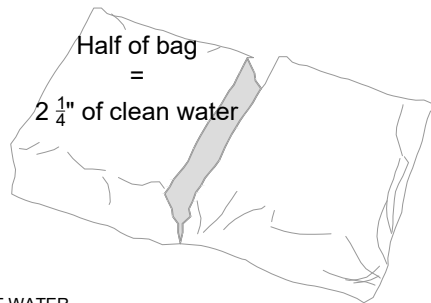
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LITECON SUBFLOOR 2" & 3"

SCHEMATIC INSTALLATION



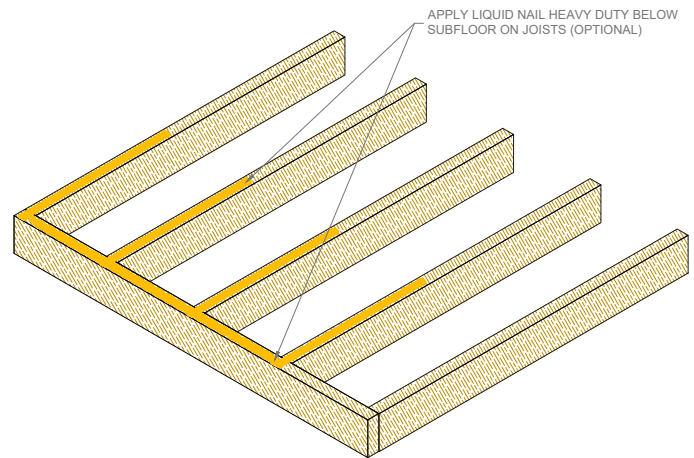
+



ADD 1.5 +/- 0.1 GALLONS OF WATER
FOR 1 BAG OF THIN SET MORTAR
AND MIX THOROUGHLY.



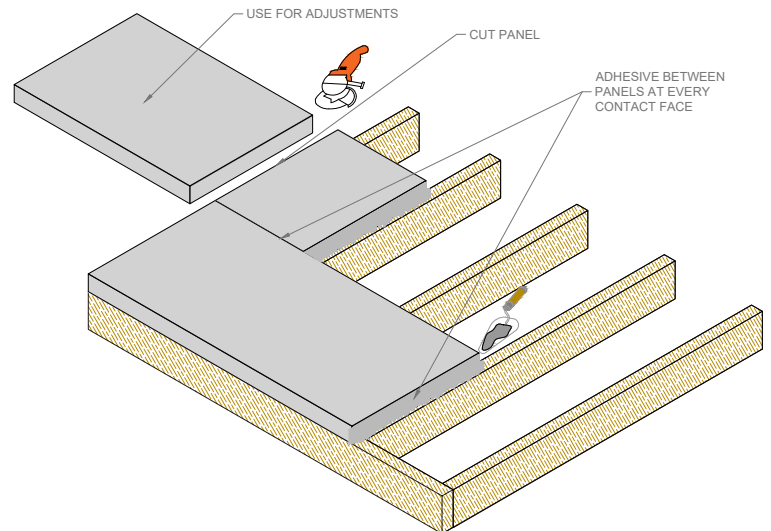
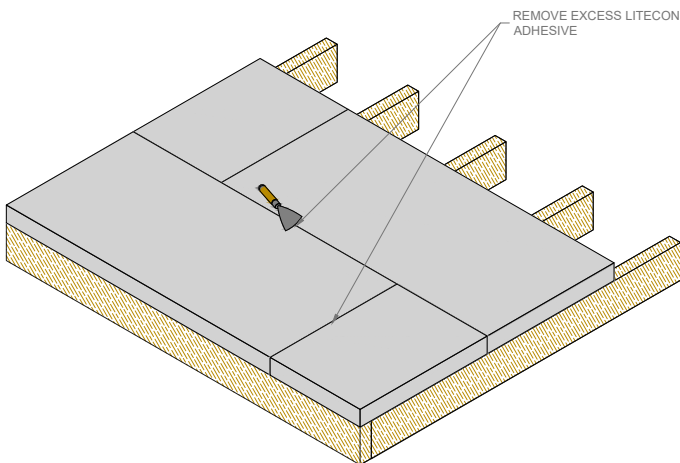
1. APPLY LIQUID NAIL TITEBOND, HEAVY DUTY, STANDARDS
APA AFG-01; ASTM C557; ASTM D3498. (OPTIONAL)



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



2.- COLOCAR LOS PANELES EN LAS VIGUETAS Y APPLY
ENOUGH ADHESIVE, AT LEAST 1/16" THROUGHOUT EVERY
MATING FACE. CUT PANEL FOR ADJUSTMENTS, SORANTE
PANEL IS USED FOR ADJUSTMENTS.



NOTES

1. MAKE SURE TO APPLY ENOUGH ADHESIVE, AT LEAST 1/16" THROUGHOUT THE ENTIRE MATING FACES
2. ALLOW LITECON ADHESIVE TO DRY FOR A MINIMUM OF 24 HOURS PRIOR TO APPLYING ANY LOAD
3. ONCE THE ADHESIVE IS MADE OR MIXED WITH WATER IT SHOULD BE USED WITHIN A MAXIMUM OF 30 MINUTES

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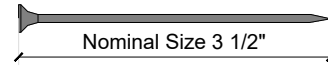
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LITECON SUBFLOOR 2" & 3"

LITECON SUBFLOOR - INSTALLATION

SCREW FOR STEEL AND SUBFLOOR 2"



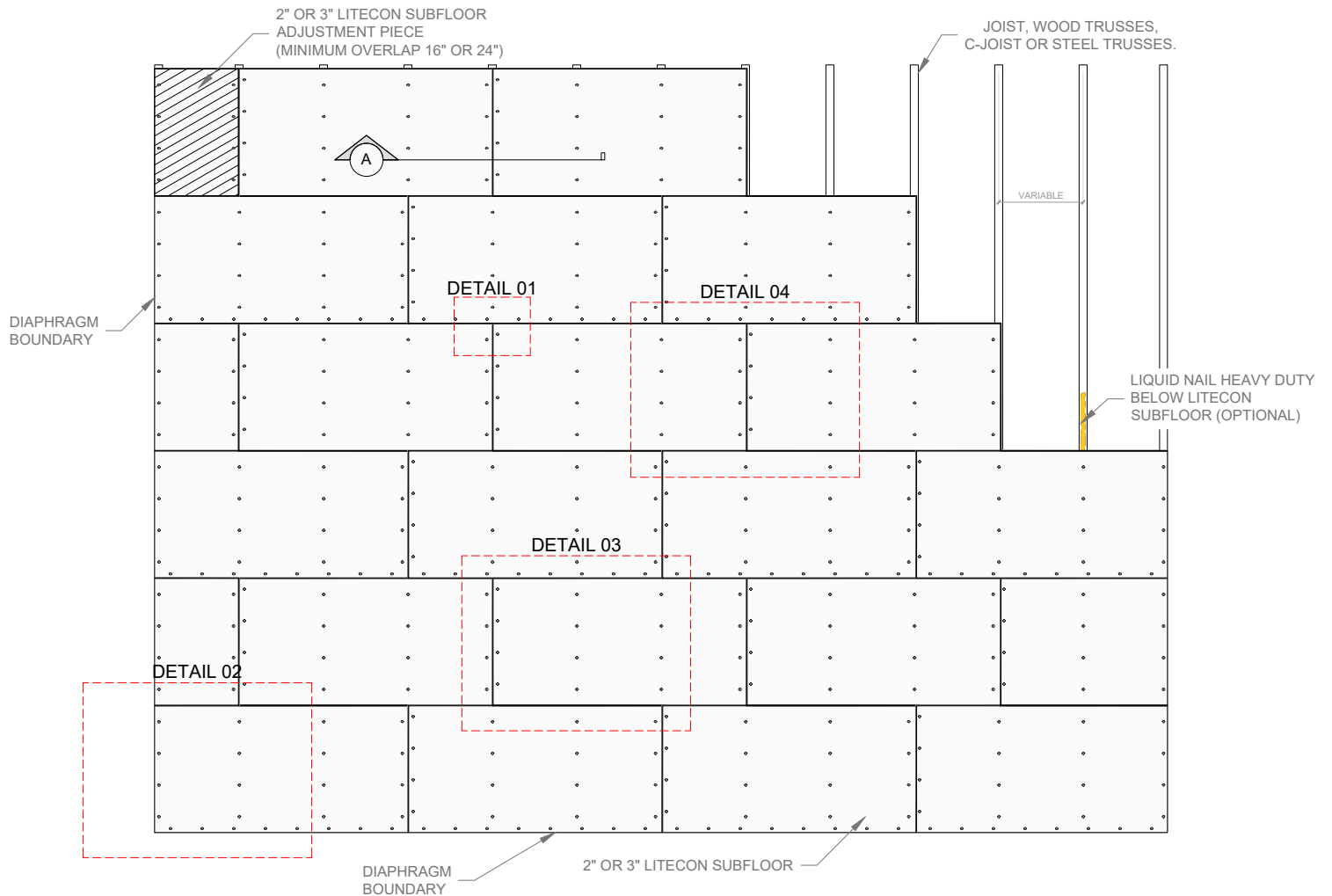
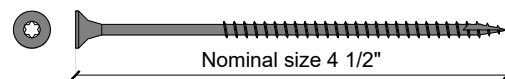
NAIL FOR WOOD AND SUBFLOOR 2"



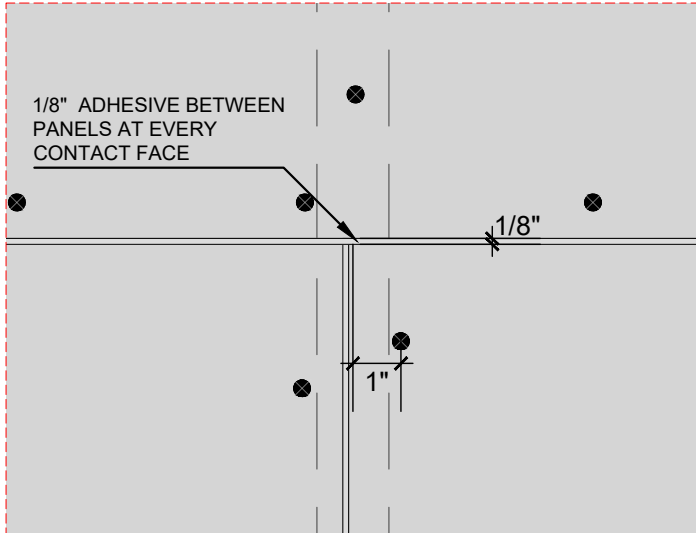
SCREW FOR STEEL AND SUBFLOOR 3"



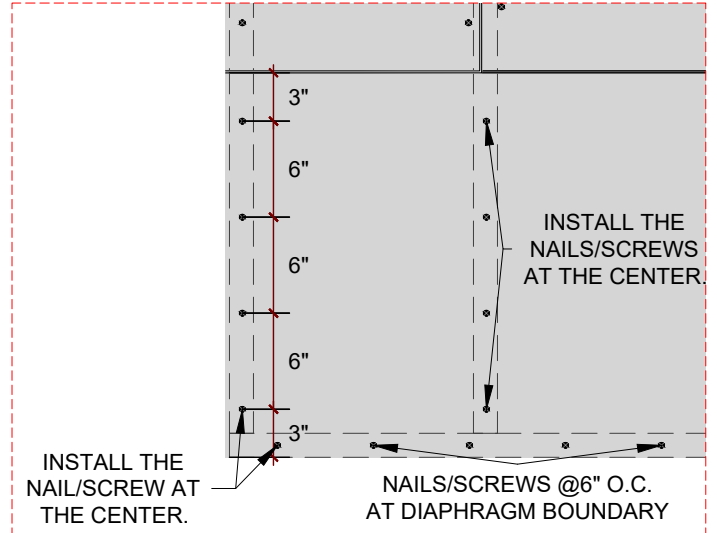
SCREW FOR WOOD AND SUBFLOOR 3"



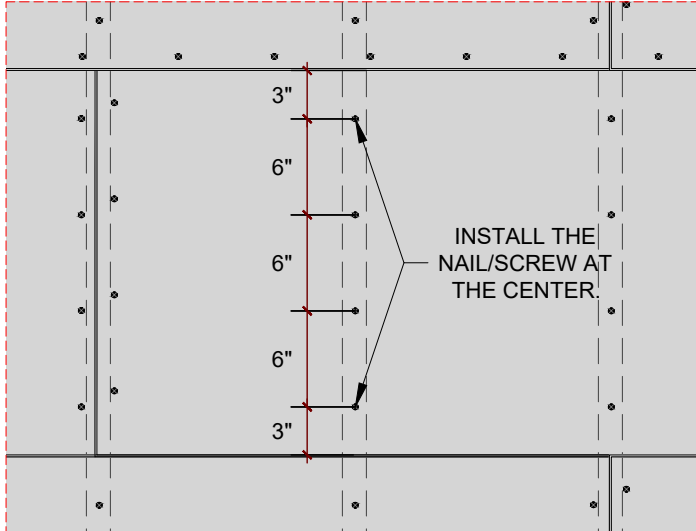
FASTENERS DETAILS



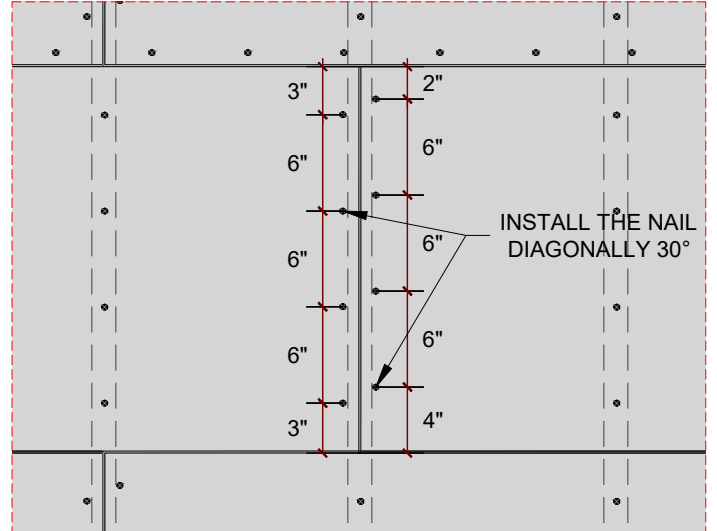
DETAIL 01



DETAIL 02



DETAIL 03



DETAIL 04

NOTES

1. NAILS SHALL PENETRATE A MINIMUM OF 1-1/2" INTO FRAMING
2. SCREW SHALL PENETRATE A MINIMUM OF 1" INTO FRAMING
3. WHEN DRILLING THROUGH THE PANELS, MAKE SURE THE NAILS OR SCREW ENTERS THE TRUSS/JOIST.

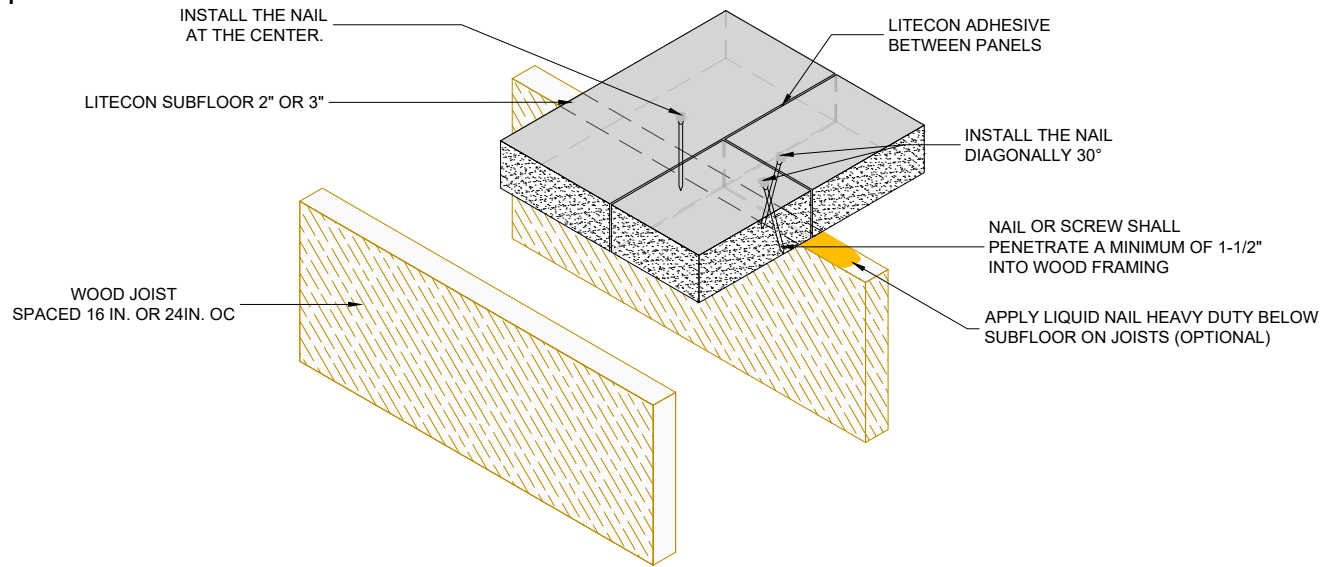
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PRODUCT:

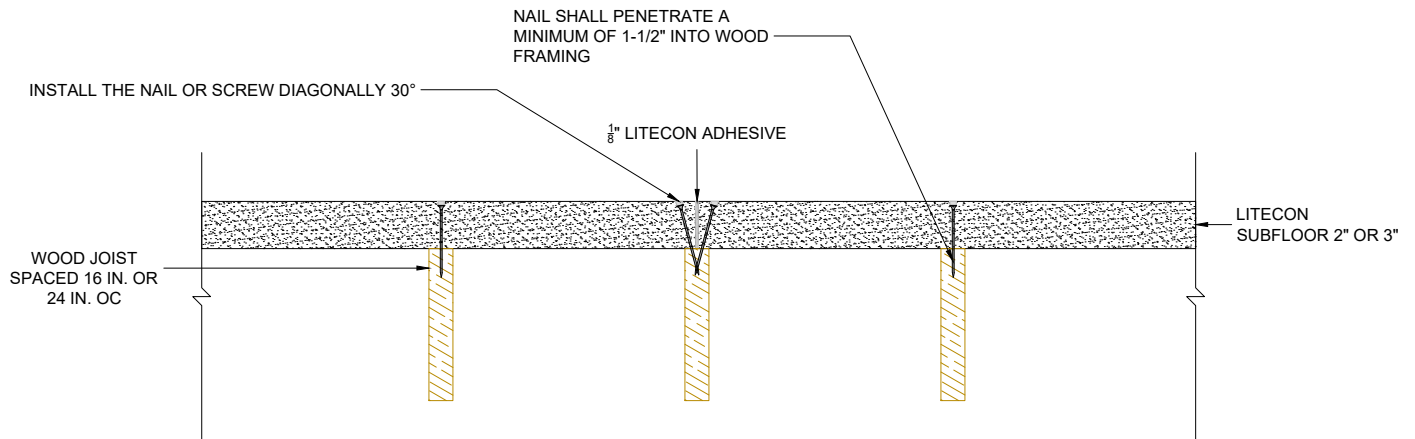
LITECON SUBFLOOR 2" & 3"

ASSEMBLY WITH WOOD JOIST

DETAIL 1



SECTION A



NOTES

1. LIQUID NAIL: TITEBOND, HEAVY DUTY, STANDARDS APA AFG-01; ASTM C557; ASTM D3498. (OPTIONAL)

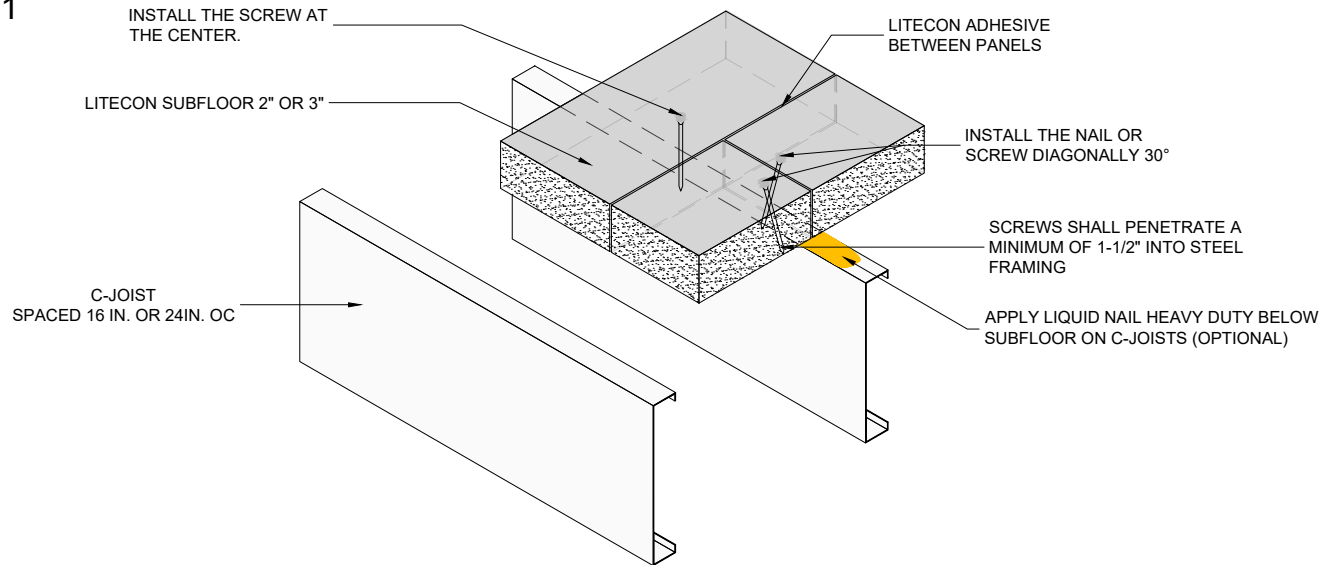
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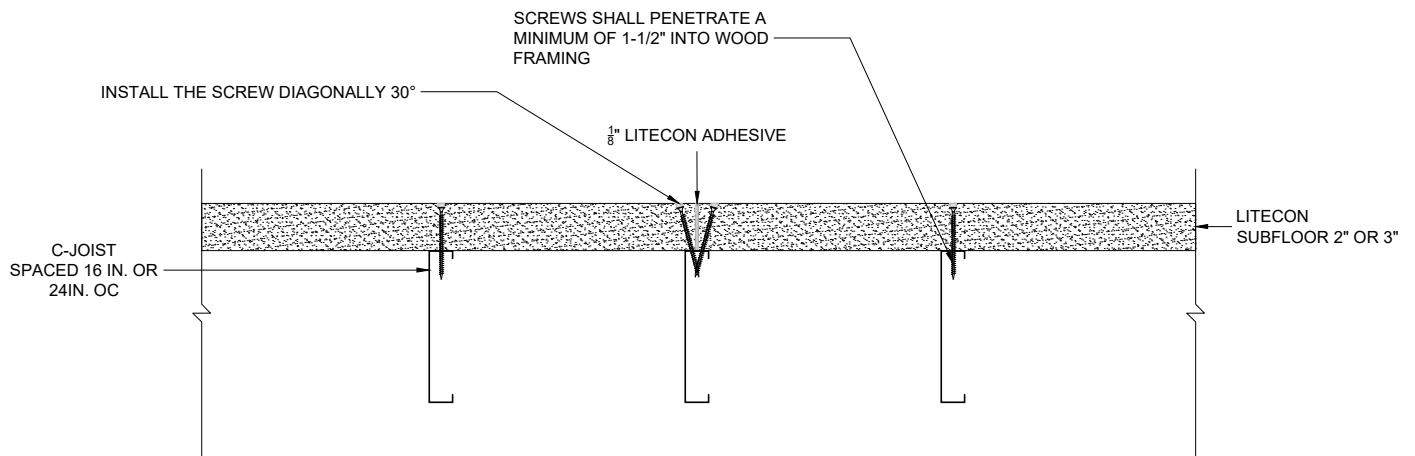
LITECON SUBFLOOR 2" & 3"

ASSEMBLY WITH C-JOIST

DETAIL 1



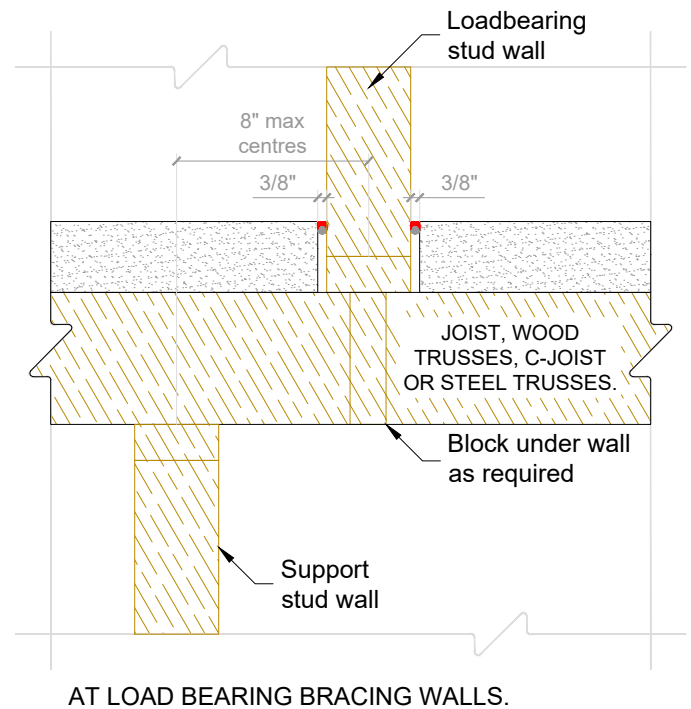
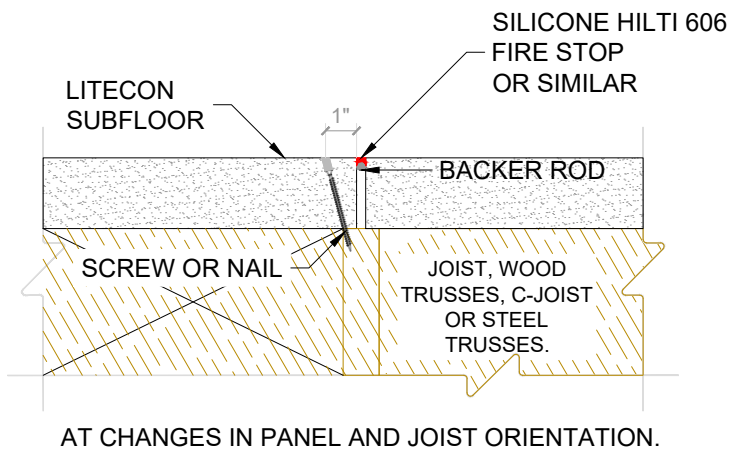
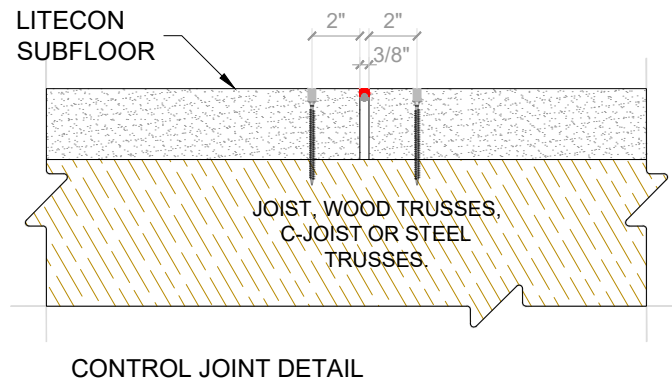
SECTION A



NOTES

1. LIQUID NAIL: TITEBOND, HEAVY DUTY, STANDARDS APA AFG-01; ASTM C557; ASTM D3498. (OPTIONAL)

CONTROL JOINTS



NOTES

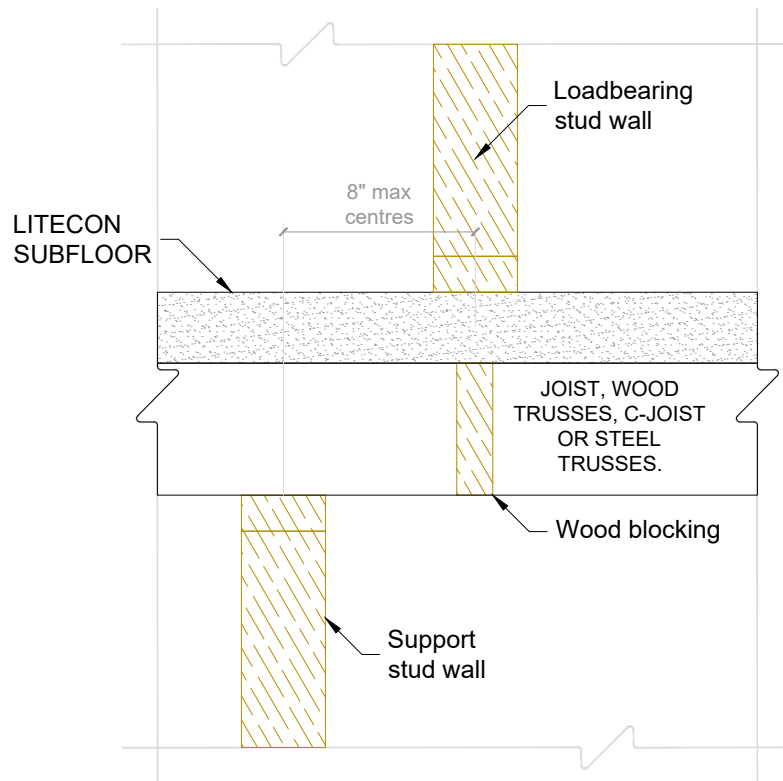
1. CONTROL JOINTS SHOULD DIVIDE THE SUBFLOOR PANELS INTO SEPARATE FLOOR DIAPHRAGMS. INSTALL CONTROL JOINTS EVERY 400 ft².

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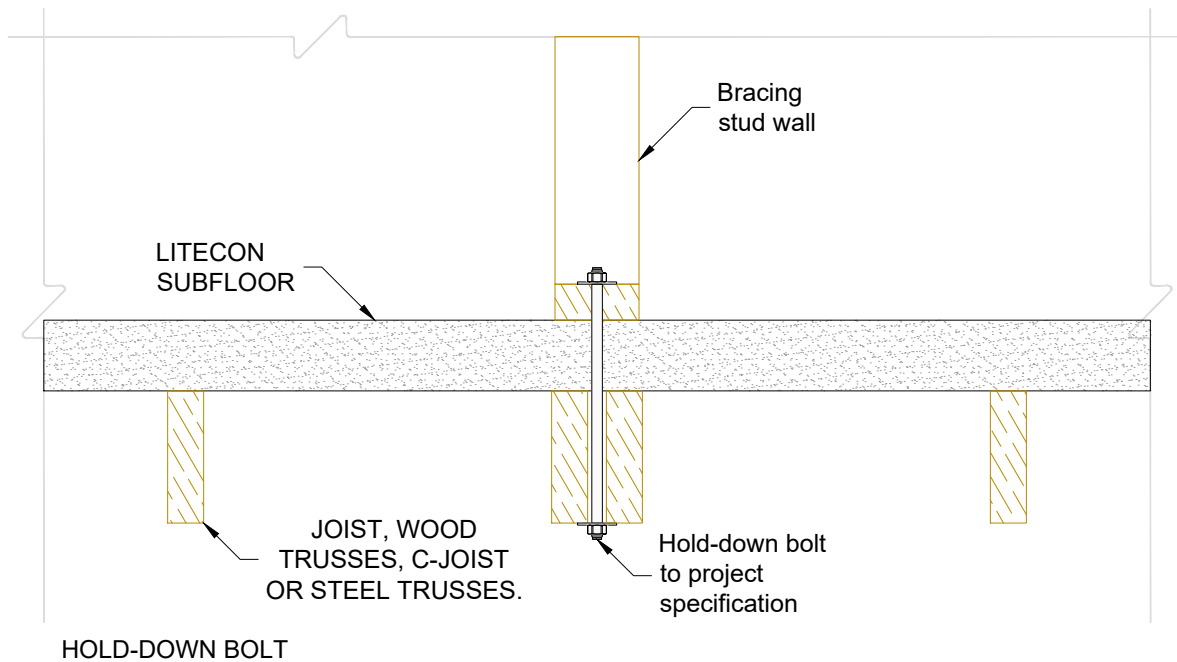
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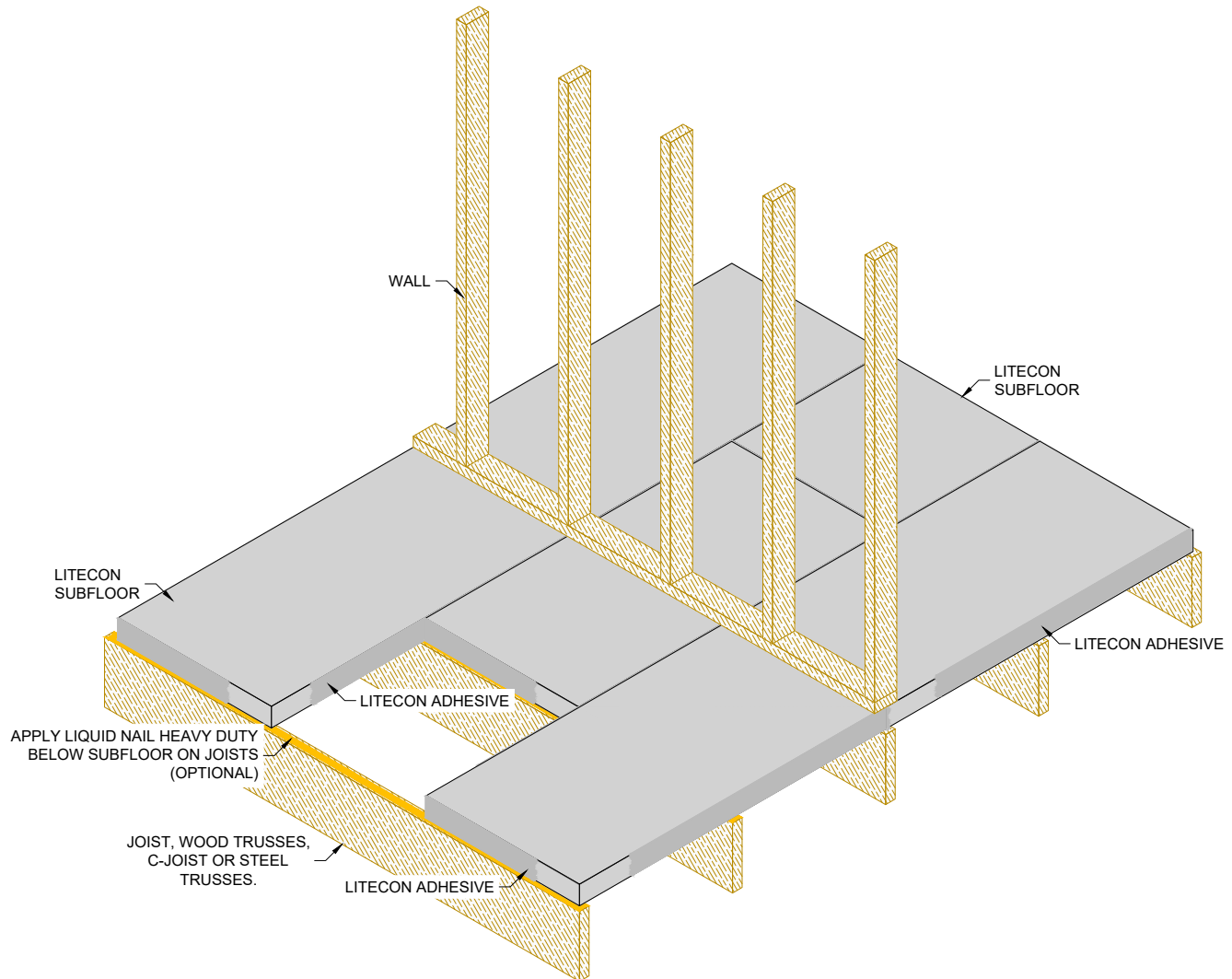
SUBFLOOR AND STUD WALL



LITECON SUBFLOOR WITH INTERNAL LOADBEARING WALL.



SUBFLOOR WITH WALL



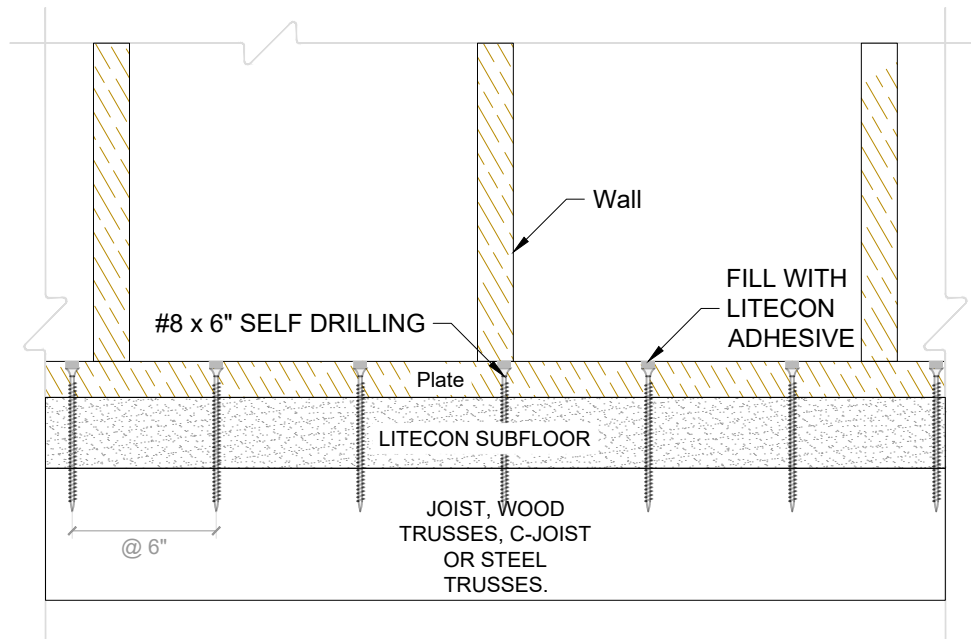
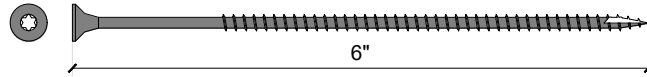
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SCREWS AT DIAPHRAGM BOUNDARY

SCREWS @6" O.C. AT DIAPHRAGM BOUNDARY
#8 x 6" SELF DRILLING

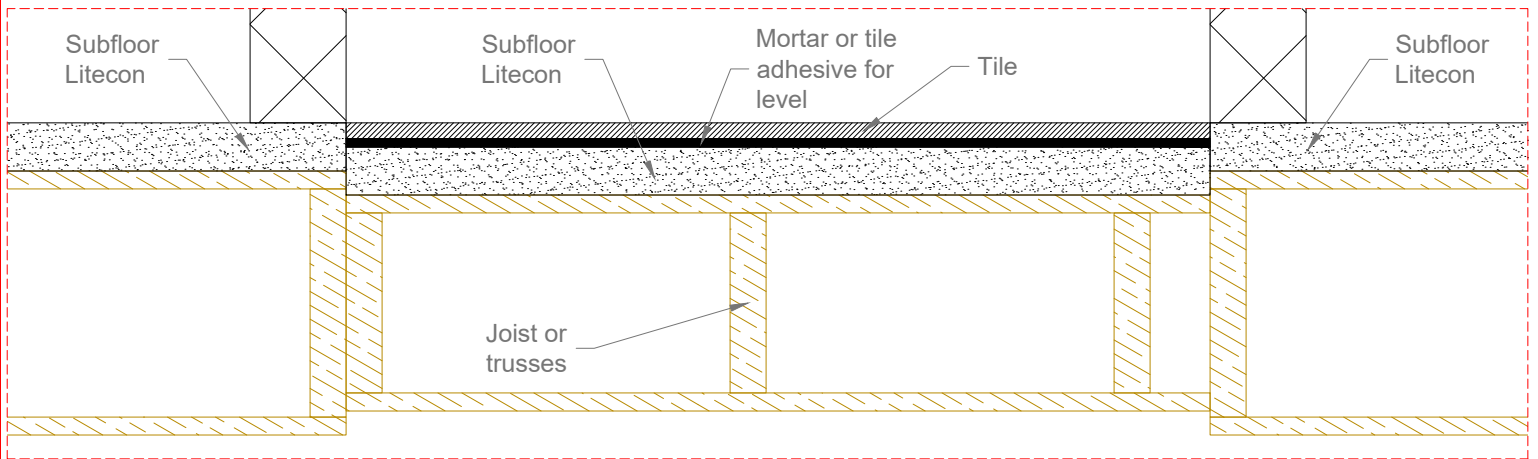
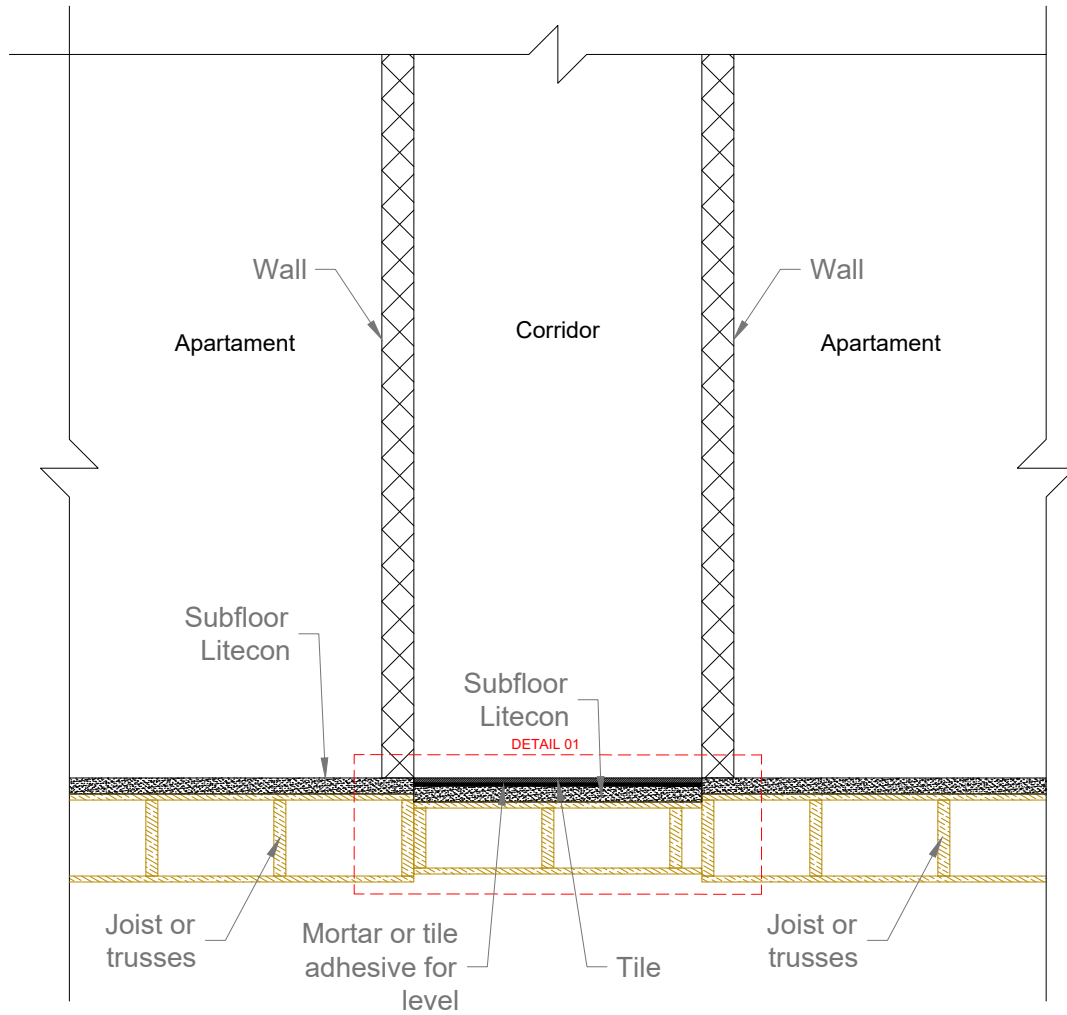


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CORRIDOR DETAIL OPTION 1

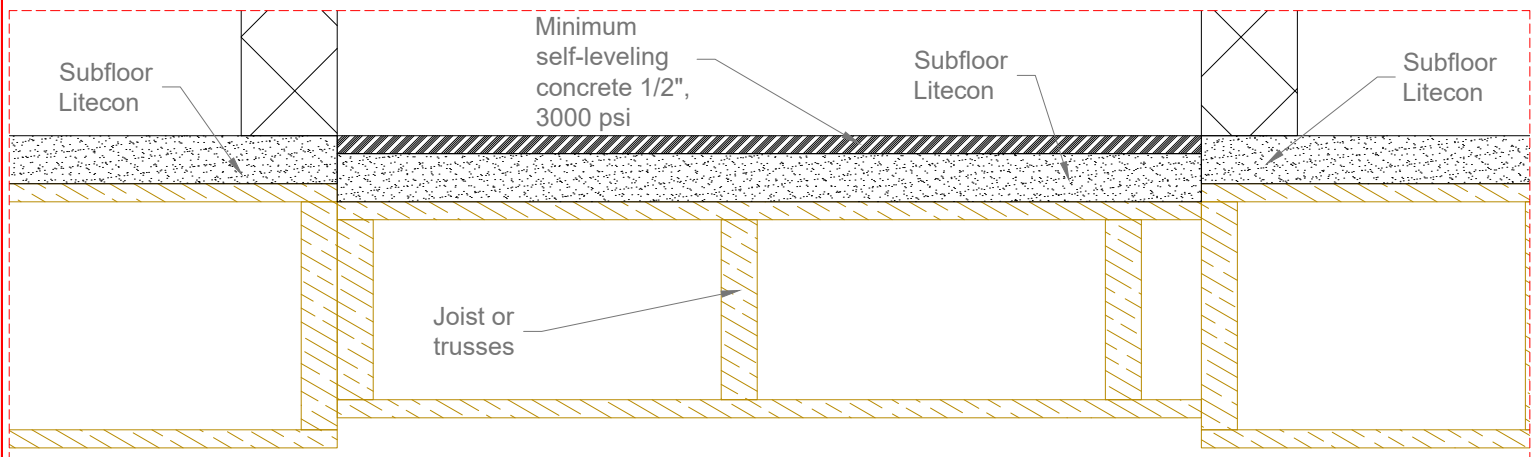
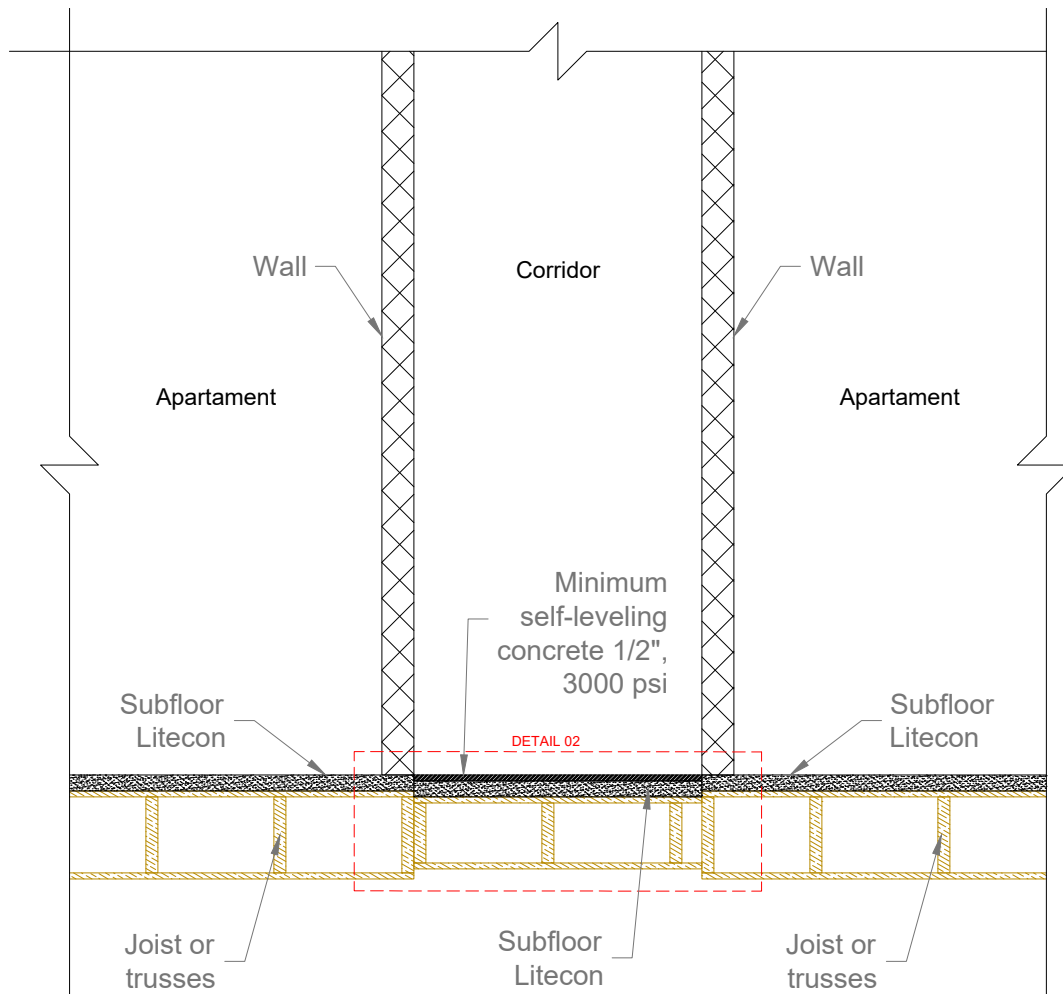


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CORRIDOR DETAIL OPTION 2

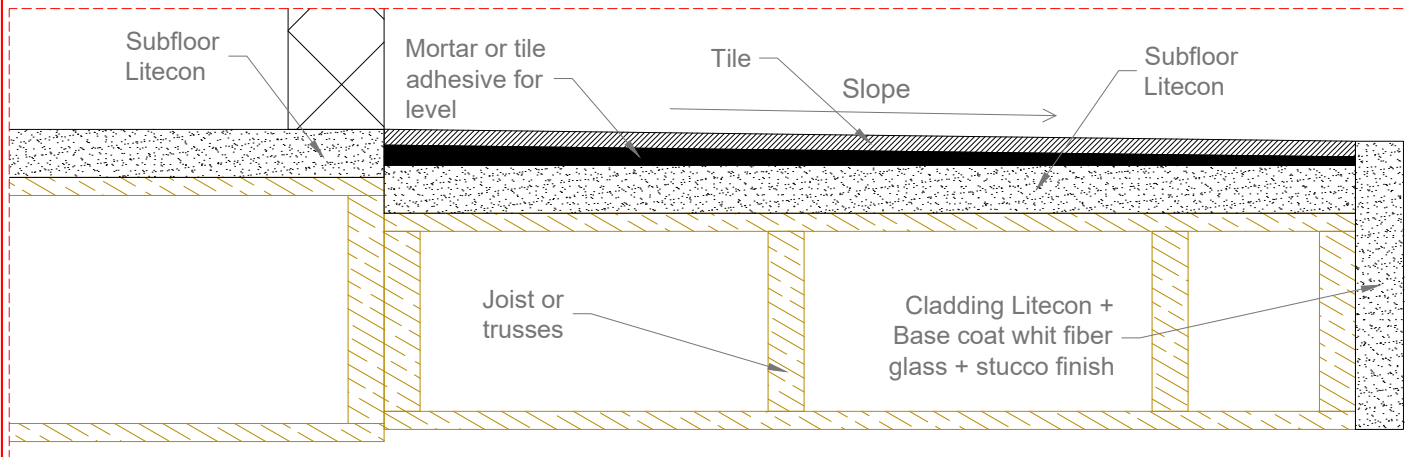
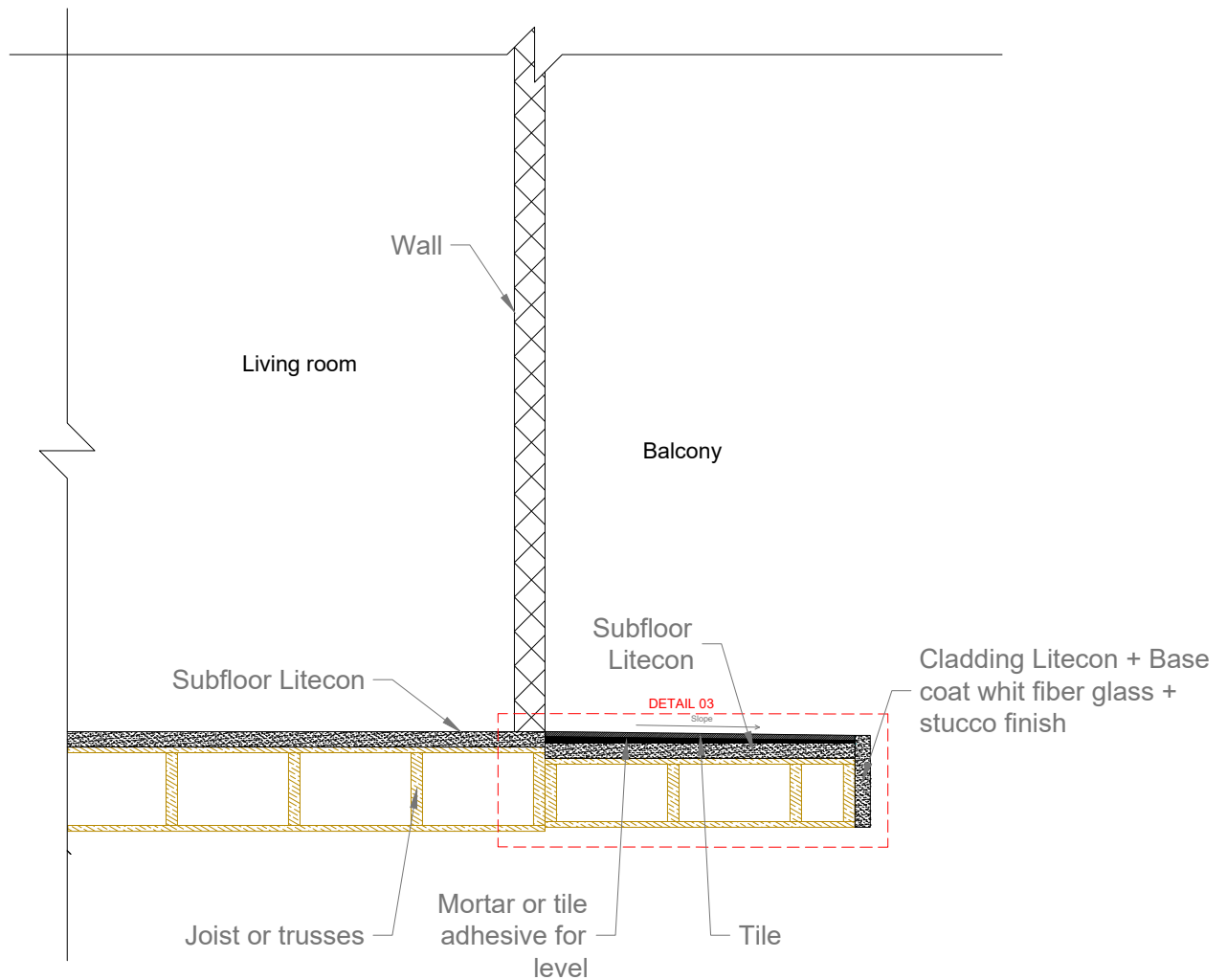


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BALCONY DETAIL OPTION 1

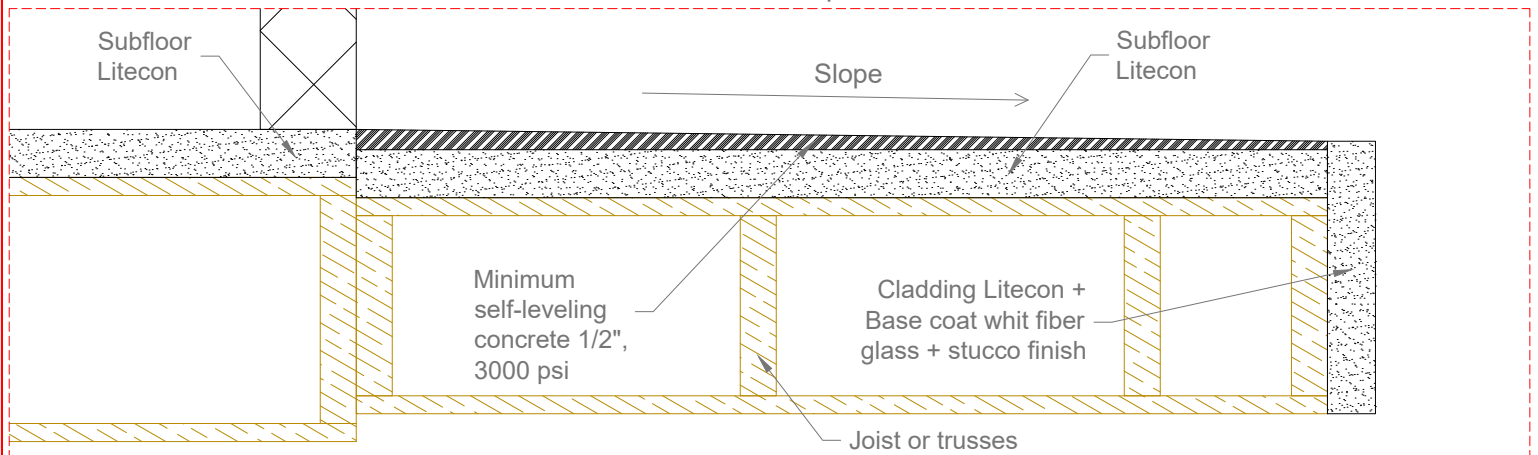
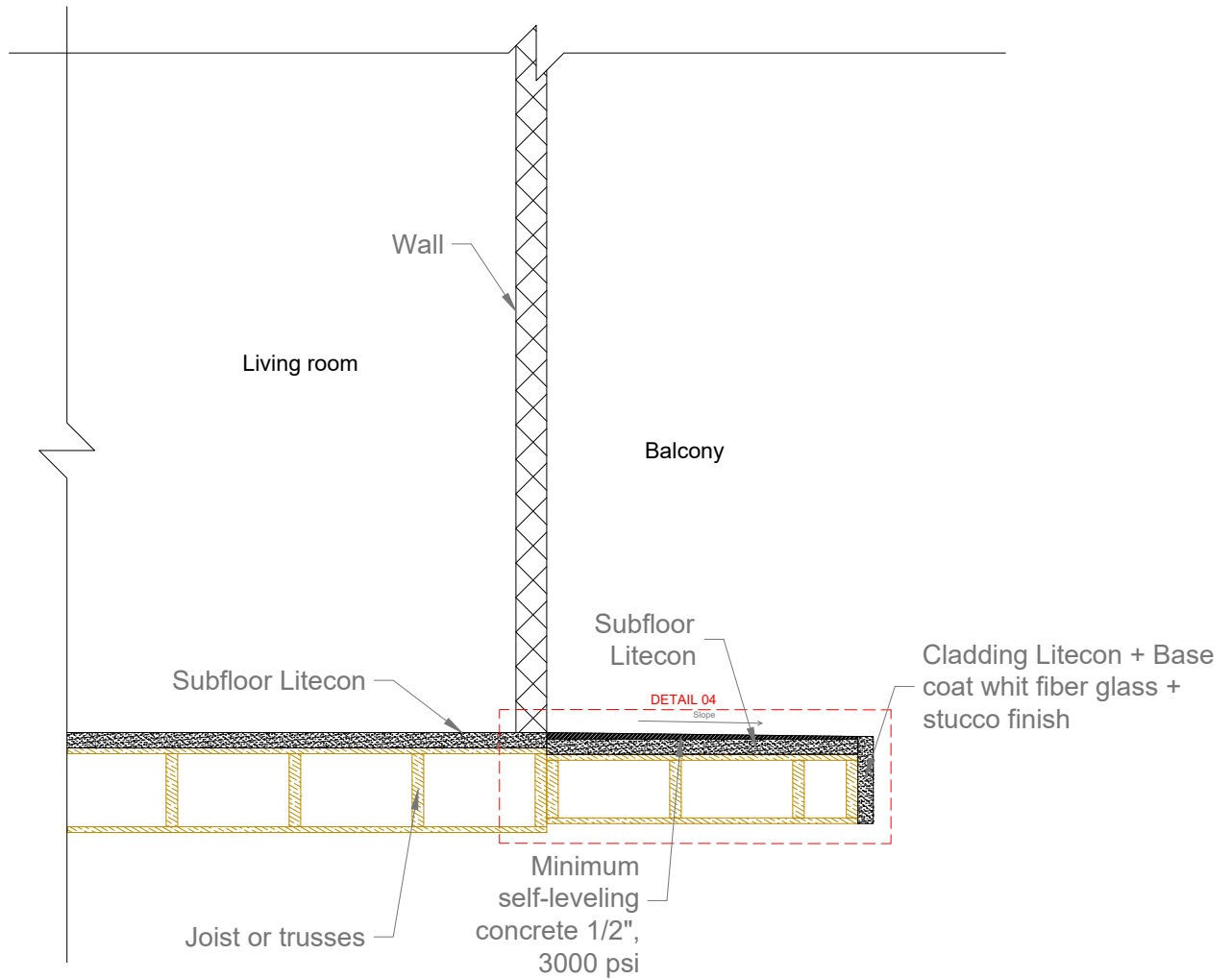


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BALCONY DETAIL OPTION 2





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