



LIGHT-FRAMED MULTIFAMILY RESIDENTIAL BAY

DESIGN CRITERIA

Superimposed Dead Load = 7 psf (plus self-wt & topping wt)
Live Load = 40 psf (reducible) + 15 psf (non-reducible)

1-hour Fire Resistance Rating

NOTES TO DESIGNERS

- 1) Please refer to the ECIDs primer for additional design rules / criteria prior to designing your bay.
- 2) Fill in all quantities in yellow
- 3) Topping layers example: 1 1/2" Gypcrete on 1/4" Acoustimat.
- 4) Spanning members may be trusses, joists, or whatever else you would use in this situation. List constituent materials (e.g. sawn lumber and truss plates for wood trusses). List quantities by weight or volume.

TOPPING

TOPPING LAYER #1	XXXXXXXXXXXX	THICKNESS	####	"
TOPPING LAYER #2 <small>(if applicable)</small>	XXXXXXXXXXXX	THICKNESS	####	"
TOPPING LAYER #3 <small>(if applicable)</small>	XXXXXXXXXXXX	THICKNESS	####	"
SHEATHING TYPE	XXXXXXXXXXXX	THICKNESS	####	"

TRUSSES / JOISTS

	DESCRIPTION	XXXXXXXXXXXXXXXXXXXX
MATERIAL #1	XXXXXXXXXXXX	BAY QTY #####
MATERIAL #2 <small>(if applicable)</small>	XXXXXXXXXXXX	BAY QTY #####
MATERIAL #3 <small>(if applicable)</small>	XXXXXXXXXXXX	BAY QTY #####

SEI SE2050 Committee

Embodied Carbon Intensity Diagrams

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