

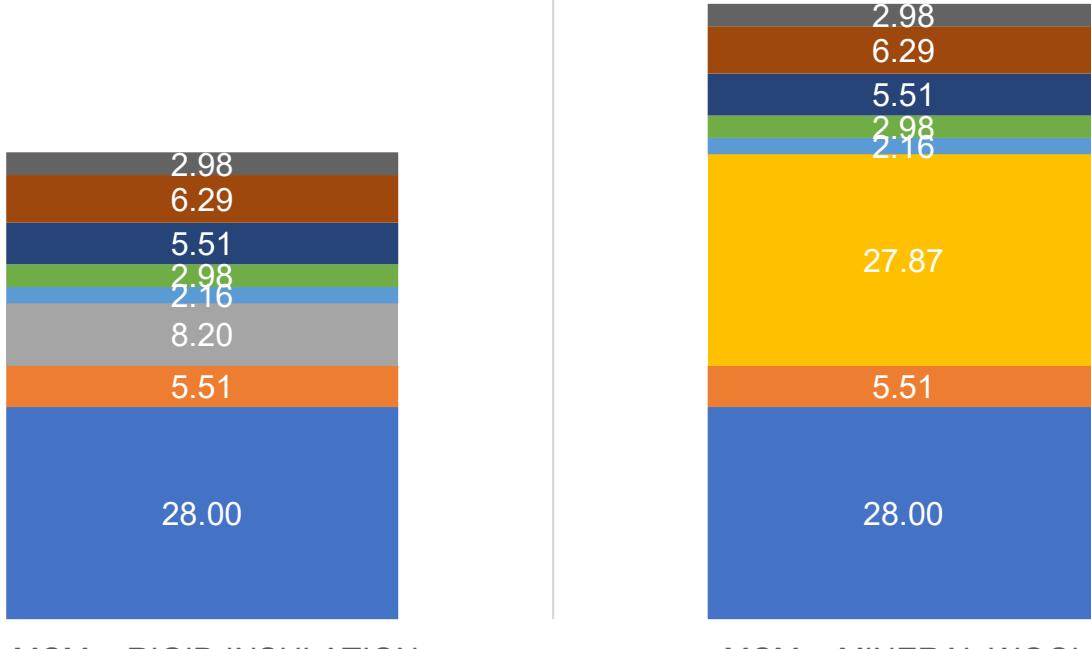
## Embodied Carbon Summary

### MCM with Rigid Continuous Insulation and Metal Stud Back-up 2021 IBC, IECC + MA Stretch Energy Code

Revised: October 2024

Approximately 30% of all global carbon emissions are attributed to the building sector, with at least 8% resulting from the manufacturing of construction materials.\* This analysis compares embodied carbon of exterior envelope building materials associated with raw material supply and manufacturing (measured in global warming potential (kg CO<sub>2</sub> eq) A1-A3) and scaled to quantify embodied carbon of materials to meet MA Stretch Energy Code. See PACE Wall Basis of Design sketch SK-01 for assembly.

GLOBAL WARMING POTENTIAL (KG CO<sub>2</sub> EQ)



■ Gypsum 5/8", Interior\*\*

■ Batt Insulation \*\*\*

■ Lightgage metal framing, 18ga\*\*

■ Gypsum Sheathing 5/8" Type X\*\*

■ Henry Metal Clad 705FR\*\*

■ Mineral Wool\*\*

■ Thermax Insulation\*\*\*

■ Knight Wall Cladding Attachment\*\*\*\*

■ Alucobond Plus (excludes fabrication metal extrusions and clips)\*\*

\* Carbon Leadership Forum, \*\*Industry Wide EPD, \*\*\*Manufacturer Specific EPD, \*\*\*\*Estimate