



- 1 – PIR
- 2 – M4
- 3 – C Studs
- 4 – U Track

## Compliance with the following codes

- 2015 and 2012 International Building Code (IBC)
- 2015 and 2012 International Residential Code (IRC)

## Fire-resistance Wall Assemblies

- To be determined 1st quarter 2020 in accordance with ASTM-E119
- Polyiso insulation, Class A fire rated in accordance with ASTM E 84
- M4 sheathing is Non Combustible according ASTM E 136

The building code definition of an approved thermal barrier is one which is equal in fire resistance to 12.7 mm (1/2 inch) gypsum board. All building codes require an approved thermal barrier on the habitable side of a structure between the interior of the structure and the polyurethane foam

## M-Thermo-Panel

If extended R value is demanded the M-Thermo Panel can be applied as continuous insulation, range: R6 – R19.

## Compliance with the following codes

- Must follow, ICC – ES report ESR -3840
- Must follow, the M-Sips Installation manual
- Must follow the Steel Stud Manufacturers Association, ICC ES report ESR 3064P

## Conditions of use

- Type I, II III or IV exterior walls limited to 40 feet in height

## M-SIPs Panel – Specifications (Insulation type Polyiso)

- R24 – 4.80" x 45" x 8'
- R38 – 6.81" x 45" x 8'
- R48 – 8.54" x 45" x 8'

Panel length: on request up to 39'

# VALUE COMPARISON

## (M4/POLYISO/C STEEL STUDS)

M-SIPS Competitor Comparison	M-SIPS Panels	OSB/EPS/ SIPS Panels	Stick Frame Built
M-SIPs hybrid is the best of two Worlds - SIPS and Stick build in one panel - (Patent Pending #62/869,740)	Yes	No	No
M-SIPs utilizes Polyiso foam insulation fire resistance to meet UL® Class A fire rating	Yes	No	No
M-SIPs utilizes ICC ESR 3840 approved Non combustible M4 Sheathing as facing materail and with factory applied WRP	Yes	Yes/No	Yes/No
M-SIPs utilizes USA code approved M4 Sheathing	Yes	Yes/No	Yes/No
M-SIPs roof panels can be up to 39' long in one panel and delivered with PV Solar System as standard	Yes	No	No
M-SIPs is R-41 at 7" wall thickness or R-24 at only 4" wall thickness	Yes	No	No
M-SIPs housing results in 13% more inside living space on same sqft if same R value as others	Yes	No	No
M-SIPs is Air Tight construction and Water Restrictive barrier is factory applied	Yes	No	No
M-SIPs Inside wall and roof surfaces are factory finished ready for paint	Yes	No	No
M-SIPs needs only one layer of Cladding/Stucco to finish the exterior	Yes	Yes	No
M-SIPs uses Non organic building materials (FREE of Rot/Mold/Fire)	Yes	No	No
M-SIPs reduces installation time on same sqft* due to use of a simple surface spline	Yes	No	No
M-SIPs can be used at grade for basement and is non organic	Yes	Yes	No
M-SIPs wall - roof - basement cost per sqft	<	>	>
M-SIPs can be delivered with Fiber cement as factory finished Cladding (R 28 value non structural SIPs)	Yes	No	No