PolySteel's Contribution to LEED Certification

1) **Energy & Atmosphere** - EA Credit 1 Optimize Energy Performance.
If regulated energy costs (for HVAC, service hot water and interior lighting) is better than ASHRAE 90.1-1999 by 40%, it earns 6 points; if better by 50% it earns 8 points; if better than 60%, it earns 10 points. PolySteel structures typically save 50-80% on heating and cooling costs, which would contribute significantly to overall energy savings. ***(Possible contribution to points by PolySteel + 6 to 10)***

2) **Materials & Resources** - MR Credit 2 Construction Waste Management.
Although leftover PolySteel forms can be recycled or reused, this would contribute only marginally to achieving points for developing and implementing a waste management plan, since the weight or volume of leftovers would likely be small as compared to other construction, demolition and land clearing debris.

Materials & Resources – MR Credit 4 Recycled Content:
Materials in the PolySteel forms contain recycled content, as does concrete and the reinforcing bars used, therefore depending upon the building and other materials used, 1-2 points may be earned.
(Possible contribution to points by PolySteel + 1 to 2)

Materials & Resources – MR Credit 5 Local/Regional Materials.
Depending upon the location of the project and the other materials used in construction, PolySteel forms and the concrete used inside would earn 1-2 credit points for using 20% materials manufactured locally (within a radius of 500 miles) and perhaps having 50% of that 20% as materials harvested locally.
(Possible contribution to points by PolySteel + 1 to 2)

3) **Indoor Environmental Quality – EQ Credit 7 Thermal Comfort.**
The PolySteel envelope could help achieve the credit point for complying with ASHRAE Standard 55-1992, Addenda 1995 for thermal comfort standards.
(Possible contribution to points by PolySteel + 1)

4) **Innovation & Design**
These points can be awarded for exceeding levels quantified under other categories, and for design and construction practices that the LEED system does not specifically address. Perhaps regional sustainability (i.e. ability to withstand and survive severe weather or fire prone areas) could earn a point, or sound reduction properties in noisy urban or airport areas would be accepted. Perhaps even improved construction site safety for the installation crew could be submitted and considered. Also, having a LEED Accredited Professional on the project team will earn a point.
(Possible contribution to points by PolySteel + 1 to 5)

Therefore, realistically, PolySteel can be used to have a direct impact contribution on 10 to 20 points toward the LEED certification of a project, which is significant since 26 points will achieve the minimum LEED certification level.