



# MEXICO HOME BUILD

Manual for a Priceless Yet Inexpensive Homes in Third World Countries

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This project was created to explore a way in which poverty around the world could ultimately be reduced. The way in which this project intends to demonstrate a method used to reduce poverty is by building a home for a specific family in Tijuana, Mexico. In doing so, this home will act as a model home for a manual, comprised of steps that should be taken to construct similar homes throughout any third world country. The goal of this project is to highlight the importance of poverty in the world while also creating a buildable solution in order to reduce poverty rates on a global level. In order to make an accurate and usable guide for constructing homes for third world countries, creating this manual during the building process will minimize error within the project manual. This project manual will include in depth procedures in constructing the foundation, framing, roofing, exterior and interior of the building. Along with these detailed procedures this project manual will include detailed plans, a cut list, and an estimate of costs for this project. Furthermore, the project will incorporate an in depth analysis within this paper.

**Key words:** Poverty, Nonprofit, Tiny House, Construction Management, Manual

Foundation			
400	Slab 400 sq ft	\$ 4.25	\$ 1,700.00
Materials			
Count	Description	Price/Unit	TOTAL
113	Lumber 2X4X8	\$ 5.00	\$ 565.00
35	Board 1X4X8	\$ 3.31	\$ 115.85
31	Lumber 2X6X12	\$ 12.00	\$ 372.00
22	Lumber 2X4X12	\$ 9.00	\$ 198.00
4	Board 1X6X12	\$ 7.80	\$ 31.20
10	Lumber 2X4X10	\$ 7.00	\$ 70.00
11	Board 1X6X10	\$ 6.50	\$ 71.50
13	Lumber 2X4X20	\$ 15.00	\$ 195.00
24	Grooved Plywood 4x8 5/8	\$ 24.50	\$ 588.00
18	OSB Plywood 4x8 1/2	\$ 17.50	\$ 315.00
43	Drywall 4x8 1/2	\$ 6.90	\$ 296.70
176	Drywall trim 8'	\$ 1.30	\$ 228.80
25	Double Shingle	\$ 15.00	\$ 375.00
3	Roofing Paper 15-30	\$ 18.01	\$ 54.03
1	Door & Fixtures	\$ 500.00	\$ 500.00
4	Window	\$ 100.00	\$ 400.00
4	Paint (Gallon)	\$ 40.00	\$ 160.00
400	R-19 Insulation	\$ 0.60	\$ 240.00
Total Materials			\$ 4,776.08
Total Materials + Foundation			<b>\$ 6,476.08</b>

