

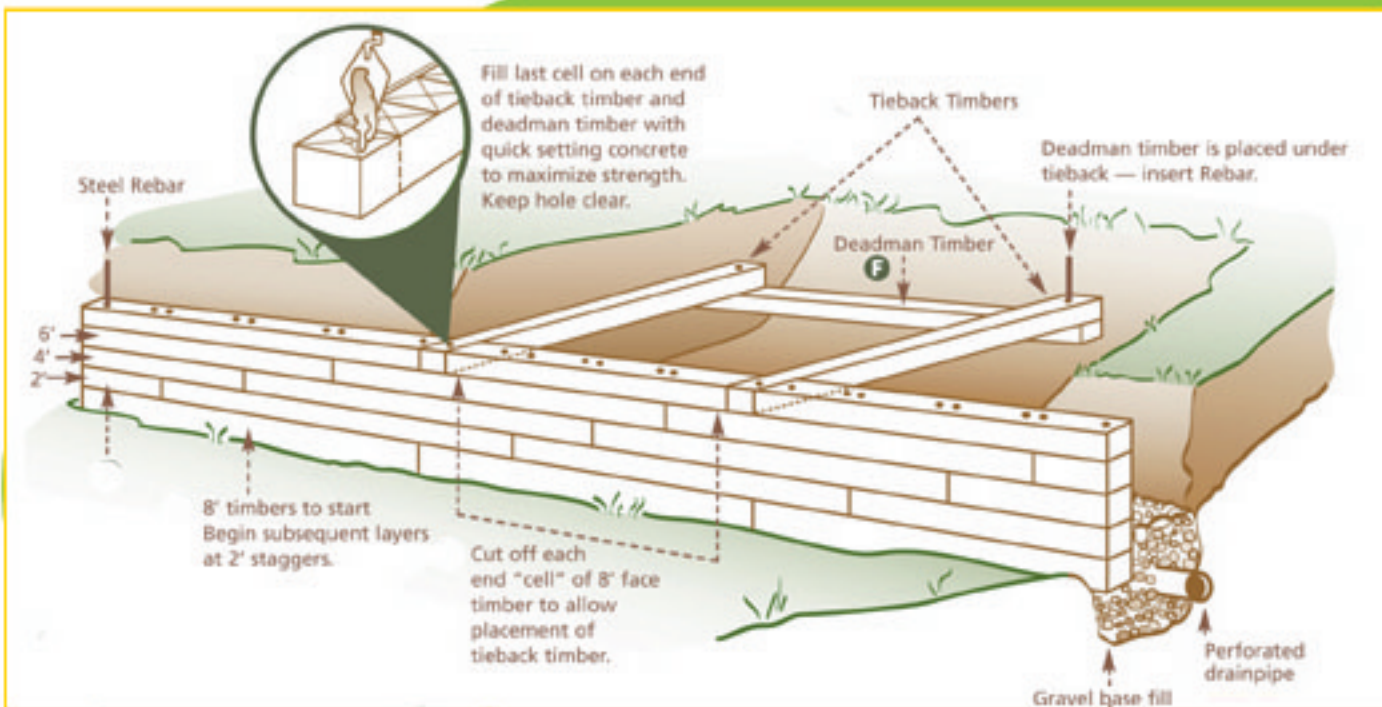


Resourceful "GREEN" Solutions

# SmartTimberZ

LASTS LIKE STONE, LOOKS LIKE WOOD, BUILDS LIKE A DREAM

## Building Tips!



1. TRIM THE LOCKING RIB OFF THE BOTTOM OF THE FIRST COURSE OF TIMBERZ SO WALL DOES NOT LEAN.

2. LAY 2-3 COURSES BEFORE DRIVING REBAR INTO THE GROUND.

3. USE A DEADMAN EVERY 4-5 COURSES.

4. FILL THE LAST COMPARTMENTS OF EACH DEADMAN (WHERE REBAR IS INSERTED) TO REINFORCE AGAINST PRESSURES.

5. TURN DEADMAN TIMBERZ OPEN SIDE UP AND FILL COMPARTMENTS WITH DIRT. USE FULL 8' LENGTHS & JOIN AT BACK.

6. AT LEAST ONE COURSE OF TIMBERZ SHOULD GO BELOW GRADE.

7. WHEN USED FOR SAND BOXES USE AT LEAST 2 TIMBERZ HIGH.

8. WHEN SETTING DEADMAN CUT THE END COMPARTMENTS OFF OF THE WALL TIMBER GOING BETWEEN THE DEADMEN.

9. CUT A 2' SECTION TO START THE SECOND COURSE TO STAGGER SEAMS.

10. DRIVE 3' REBAR INTO EVERY OTHER HOLE TO START. (THIS WILL EASE INSTALLATION). THEN DRIVE REBAR INTO ANY OPEN HOLES.

11. TO MAKE MITRED CORNERS CUT AT APPROPRIATE ANGLES (DISREGARDING X'S IN CELL). LAG BOLT WITH 8" BOLTS

### SMART TIMBER SPECS

3.66 SQ. FT. PER TIMBER

EXTRA MATERIAL EVERY 2 FT FOR CROSSCUTS

3/16" SHRINK IN LENGTH @ 50° F TEMPERATURE SWING

40 LBS PER TIMBER

5/16" THICK WALL DIMENSION

Property	Measured Value	Property	Measured Value
Density	1.1 g/cm <sup>3</sup>	Modulus of Elasticity	125,000 psi
Flexural Strength	5,000 psi	Tensile Strength (Break)	2,000 psi
Tensile Break Elongation	70%	Tensile Yield Strength	3,800 psi
Melting Temperature	250°F	Approximate Weight/Unit	40 lbs
Coefficient of Linear Thermal Expansion	2.5 in/in/°F x 10 <sup>-5</sup> (an 8' timber will expand 1/4" for every 100°F increase in temperature)		



a copyrighted blend of recycled materials engineered for superior performance

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