



P.O. BOX 3667, TEQUESTA, FL. 33469

Hurricane Bracing for Hamptons Homes....

Front door: This plan provides for a "2" x 4" brace across the double front entry door. This brace is attached to the center hinges which have been detached from the door and repositioned to the inside of the door. The brace "overlaps" in the center and is held together by studs and wingnuts. The advantage of this design is that it allows you to use the door until such time as it is necessary to batten down the hatches.... Using the hinge as the attachment point allows any forces to be transferred directly to the door jamb.... And it is cheap... About \$6 and 1 hour of work....

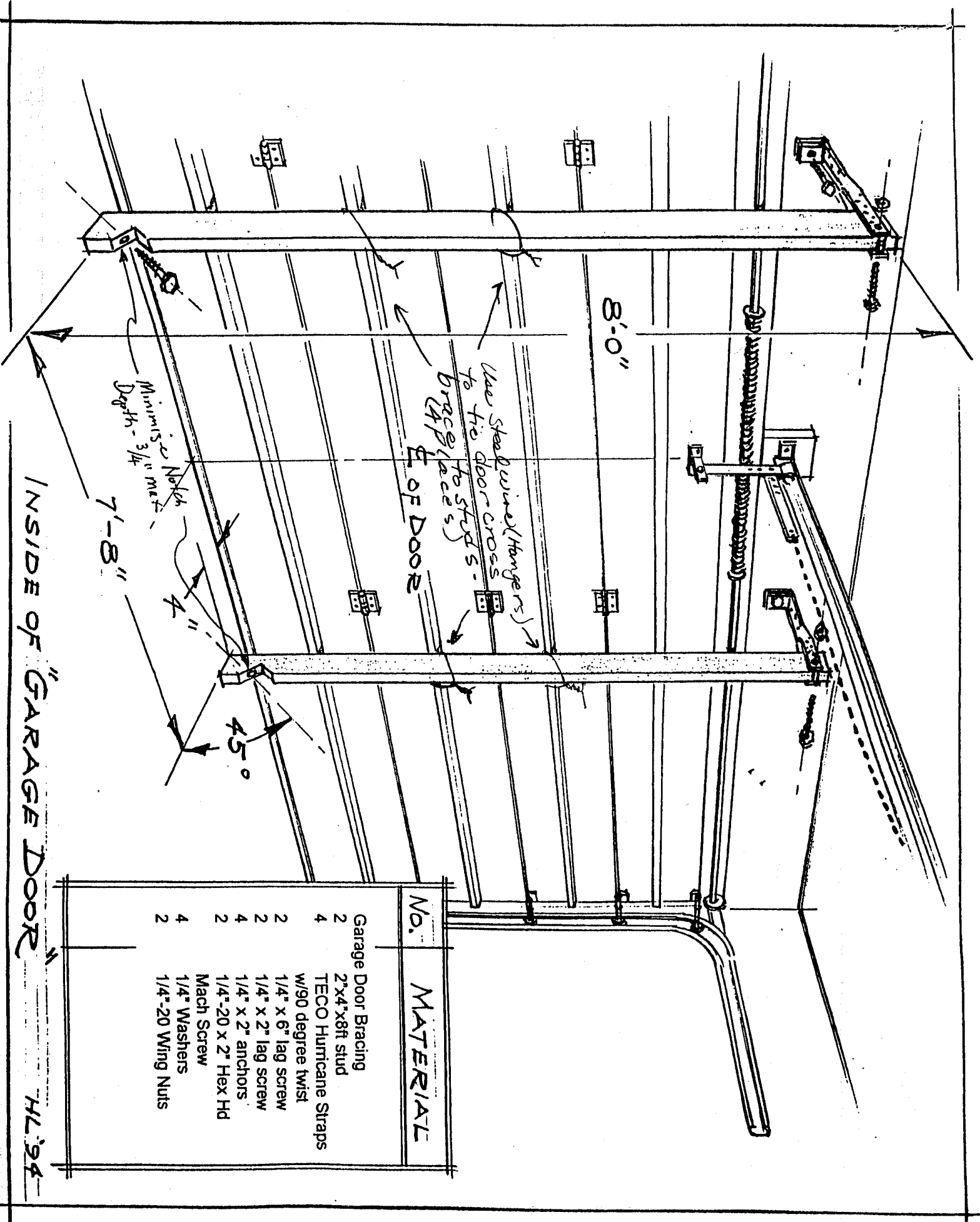
To install the brace, use a (power) screwdriver to remove the 4 screws that attach the center hinge to each door leaf.... Then pull the hinge pins... Relocate the hinge(s) to the inside of the doors, then reinsert the hinge pins... Then attach the cross brace(s) to the hinge using 3 flat head screws in each brace... The braces then will overlap with the studs protruding through the mating holes... Use washer and wing nuts to close the brace...

Garage Door Braces: This plan involves using two 2"x4" x 8ft studs placed vertically at the third points of the garage door and attached to the concrete header above the door by sheet metal straps, and to the floor at the door by 1/4" x 6" lag screws and anchors.... Be sure that the sheet metal straps are attached directly to the concrete with a lag screw and anchor. Do not attach the sheet metal straps to the wooden sill. This wooden sill is attached to the header with "nails" and may not be as secure as it appears. Be sure that the anchors in the floor are drilled the full length into the floor at a 45 degree angle. Lubricate the lag screw or anchors to avoid twisting off the screw in the anchor.

See the attached drawings for details including parts lists... You will need 3 ea 2" x 4" x 8ft studs, screws, anchors, straps, etc... All are available at Home Depot... Cost is about \$15 total...

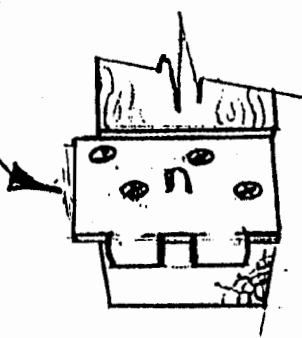
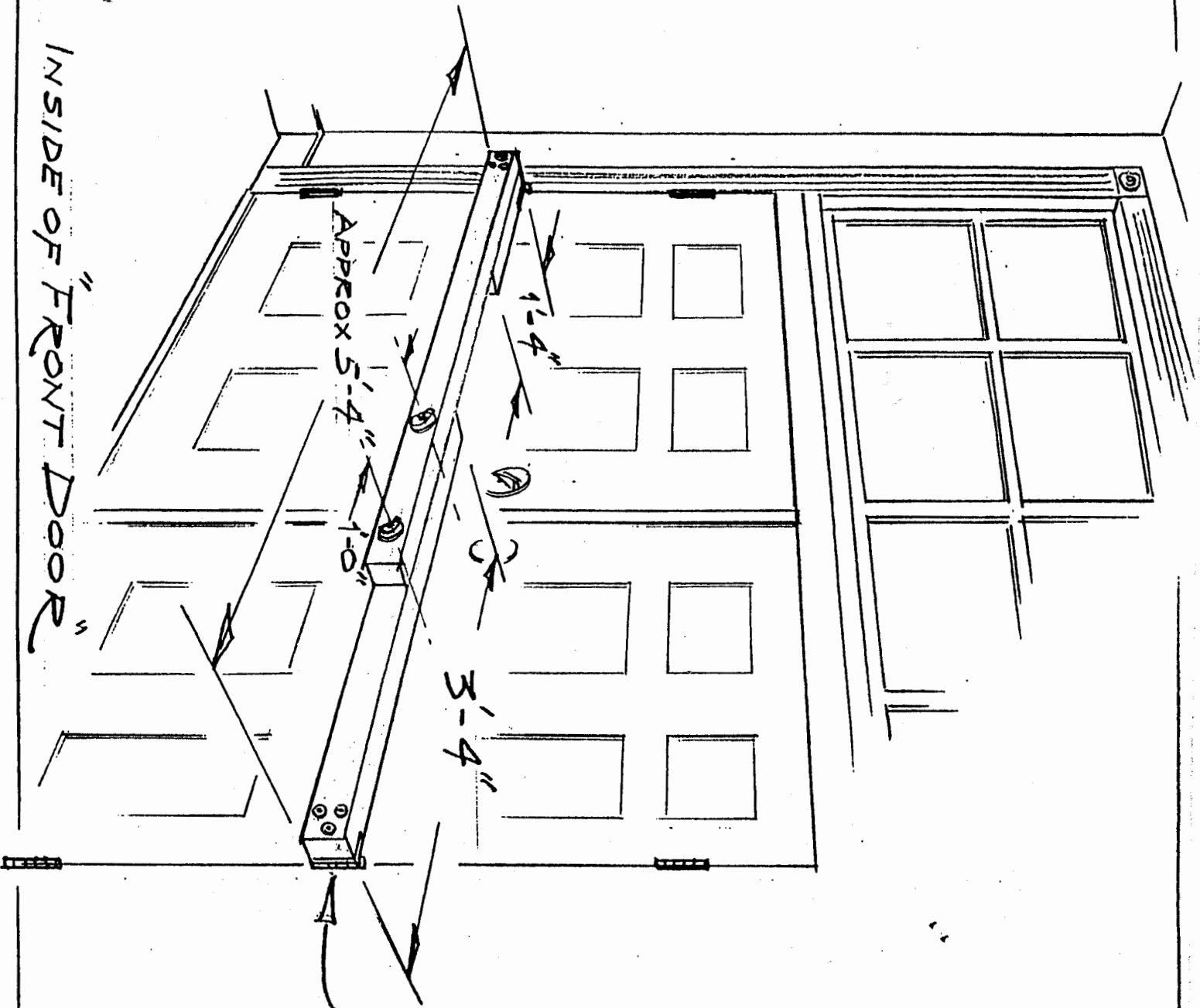
After the braces are installed, use steel wire (clothes hanger wire is great) to "tie" the horizontal cross brace of the garage door to the stud in at least 4 places. This is needed to keep the doors from "drumming" or blowing out.

Design by C Godfrey, Illustration by Harper Landell, 9/20/94



No.	MATERIAL
2	Garage Door Bracing
2	2"x4"x8ft stud
4	TECO Hurricane Straps
2	w/90 degree twist
2	1/4" x 6" lag screw
2	1/4" x 2" lag screw
4	1/4" x 2" anchors
2	1/4"-20 x 2" Hex Hd
4	Mach Screw
4	1/4" Washers
2	1/4"-20 Wing Nuts

INSIDE OF FRONT DOOR



NO. MATERIAL

Front Door Brace Materials

- 1 2"x4"x8ft stud
- 3 1/4"-20x1-1/4" FHMS
- 3 1/4"-20x3" FHMS
- 6 1/4"-20 Drive Nuts
- 2 1/4" lag-1/4"-20MS x 3" Stud@
- @ Lag screw one end, & Machine screw on other.
- 2 1/4" Fender (Lg OD) Washers
- 2 1/4"-20 Wing Nuts

HL 94