5/4/1989

TJ					
EB		RV ✓			
SH					
PW					
ROUTE TO STAFF					
REVIEW & SEE ME					
TAKE ACTION					
FILE					

SUPPLEMENT FOR TAG-A-LONG UNITS

RADCO

FEDERAL MANUFACTURED HOUSING CONSTRUCTION & SAFETY STANDARDS

MAY 04 1989

12 Rdp

APPROVED

HIGHLAND MANUFACTURING INC.
P.O. BOX 427 • WORTHINGTON, MN 56187 • 507/376-9460

311.00

J-11 4-14-89

TAG-A-LONG PIER LOAD TABLES
(30 P.S.F. Roof Live Load)

PIER LOAD TABLE: FOR UNDER CHASSIS STEEL BEAM
REFER TO: CALC. # 4/3/89-2 (1 of 1)

Pier Spacing (Ft.)	Pier Load (lbs.)	Min. Footing area (sq. IN.) For Soil Pressure Specified 1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
4	1395	272	175	129	103	84
6	2093	384	247	182	144	119
8	2791	495	319	235	186	154
10	3488	607	390	288	228	189

NOTE: Maximum spacing for piers under chassis steel beam is 10'0" o/c

PIER LOAD TABLE FOR UNDER FULL DEPTH CROSSMEMBER AT FRONT AND REAR
REFER TO: CALC # 4/3/89-1 (1 of 1)

Pier Spacing (Ft.)	Pier Load (lbs.)	Min. Footing area (sq. in.) For Soil Pressure Specified 1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
4	2722	484	311	230	182	151

NOTE: Use Pier load and footing specs listed above for piers 48" o/c
Locate piers under full depth crossmember at ends, at connections of crossmember to chassis beams, and at midpoint between beams.

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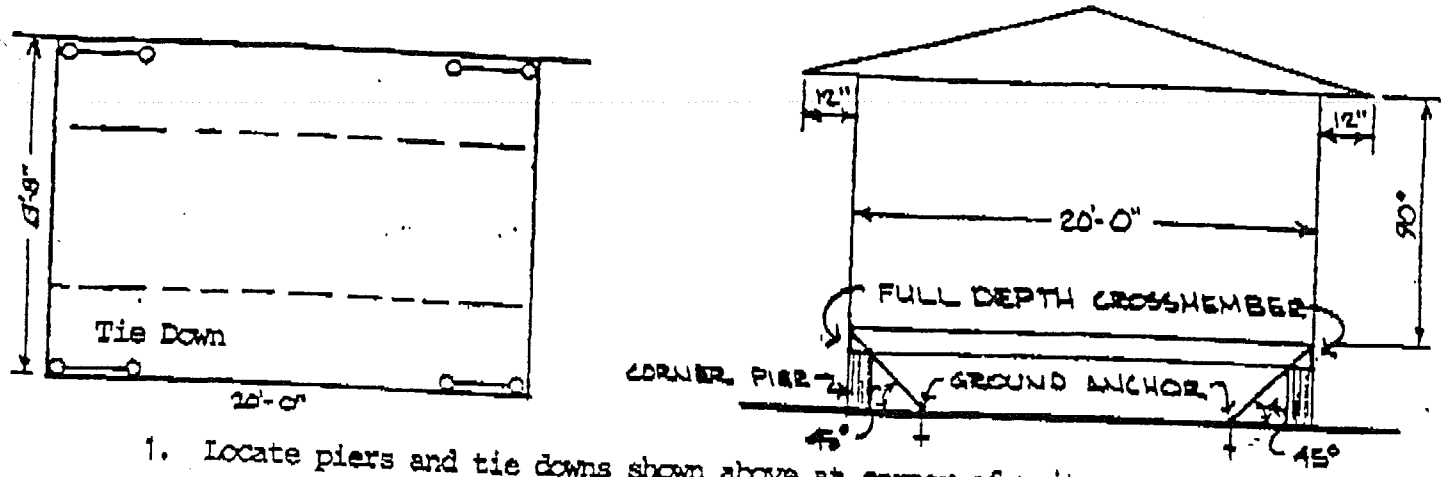
WILLIAM J. KALKER JR. CERTIFICATE NO. 33841 STATE OF FLORIDA REGISTERED ENGINEER

W Kalker 4/19/89

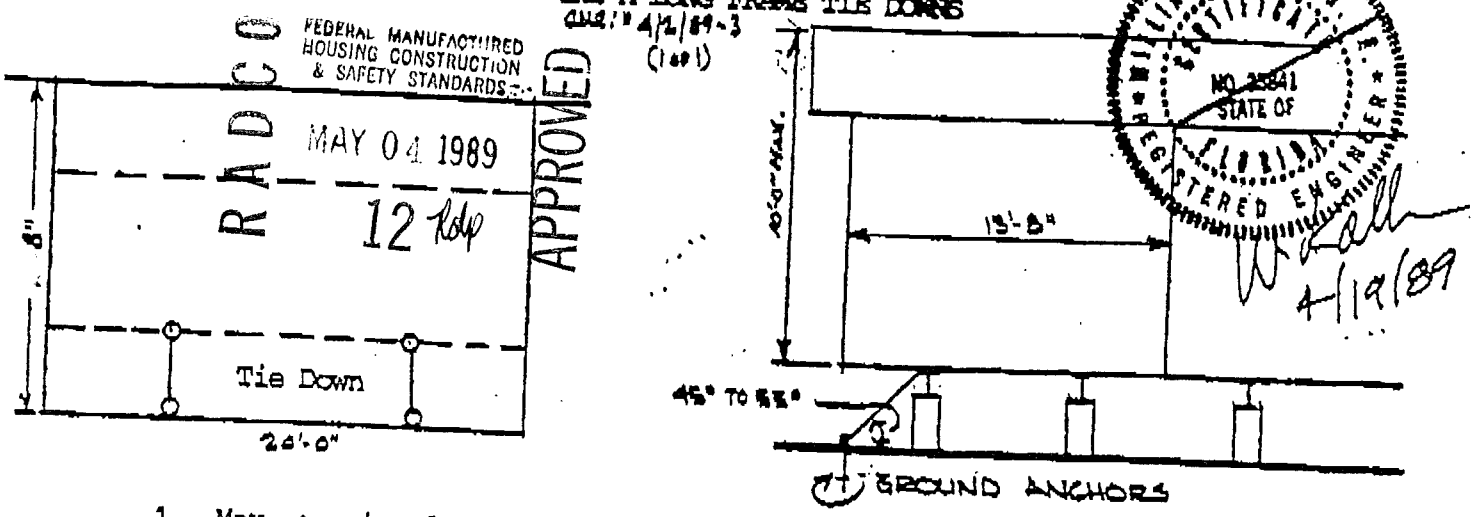
311.01
J-11.1

TAG-A-LONG CORNER TIE DOWNS
REFER TO: CALC 4/2/82-2 (1 of 1)



1. Locate piers and tie downs shown above at corner of unit

TAG-A-LONG FRAME TIE DOWNS
CALC: # 4/2/89-3
(1 of 1)



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NO. 25841
STATE OF FLORIDA
REGISTERED ENGINEER
4/19/89

1. Max. spacing for frame tie downs = 10'0" o/c
   Two (2) frame tie downs required for 20' tag-a-long unit.
   (Can use same ground anchors for both corner tie down and frame tie down if permitted by ground anchor manufacturer.)

TIEDOWN LOADS (ALLOWABLE LOADS)
- Frame tie down at 45° = 2227# (HORIZONTAL AND VERTICAL)
- Frame tie down at 55° = 1807# (HORIZONTAL)
- Corner tie down at 45° = 2227# (HORIZONTAL AND VERTICAL)
- Frame tiedown at 55° = 2580# (VERTICAL)

2. ALL TIEDOWNS, GROUND ANCHORS AND CONNECTING HARDWARE MUST BE CAPABLE OF RESISTING AN ALLOWABLE WORKING LOAD OF 3150# AND MUST BE CAPABLE OF WITHSTANDING A 50% OVERLOAD (4725#) WITHOUT FAILURE. ALL EQUIPMENT SHALL BE GALVANIZED WITH A ZINC COATING OF NOT LESS THAN .30 OUNCES PER SQUARE FOOT.

311.02
J11.2

TAG-A-LONG STRUCTURAL CONNECTIONS
calc. # K-36 + K-36.1

1. Floors: Fasten tag-a-long rim joist to main unit rim joist with #8x3" screws 16" o/c. (toe screw)

2. Walls: Fasten tag-a-long mating walls to main unit exterior wall with #8x1½" penetration screws at 16" o/c (toe screwed)

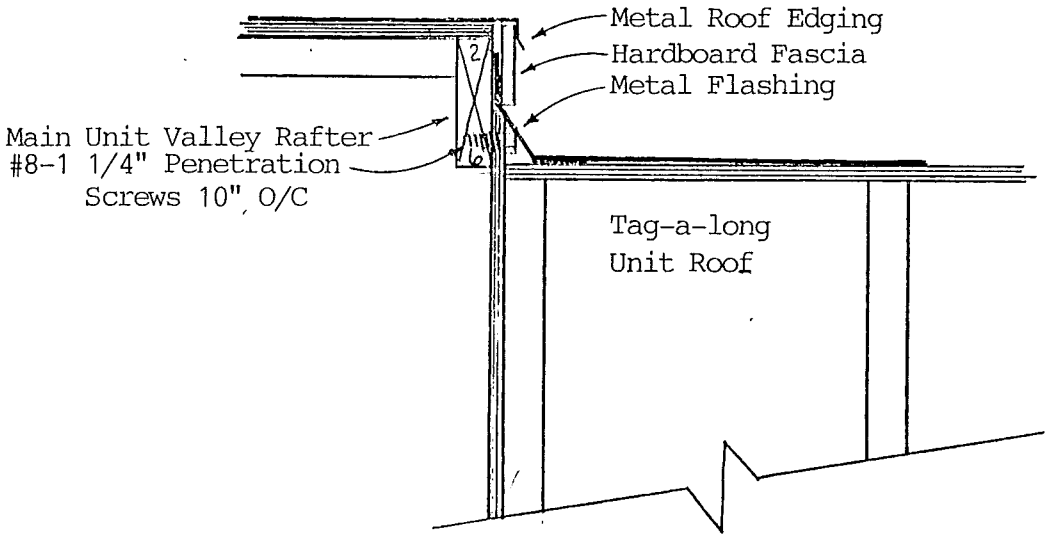
3. Roof:

   A. Using the 3/8" sheathing extending above the tag-a-long roof, install #8 x 2" screws at 10" o/c through the 3/8 sheathing to the 2x6 valley set rafter. (24) screws required.

   B. Bend metal flashing installed by factor up to the 2x6 valley rafter and behind metal roof edge.

   C. Apply 7/16" hardboard fascia behind metal roof edge and fasten with prefinished or galvanized nails 16" o/c max. spacing.

   NOTE: Cut side of hardboard fascia should be up and prefinished side down. If not fascia edge must be painted.



EXTERIOR ROOF CONNECTIONS

NOTE: THE MULTI-WIDE INSTALLATION INSTRUCTION MANUAL IS TO BE USED IN CONJUNCTION WITH THIS TAG-A-LONG SET-UP SUPPLEMENT.

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