

BUILDING A 160 METER WINDOM

A Off-Center-Fed Dipole

By

WT9Q

What is a Windom

- Designed in 1928 by Loren Windom W8GZ
- Multi-band wire antenna
- Dipole with one leg $\frac{1}{3}$ and the other leg $\frac{2}{3}$'s long
- Fed with ladder line
- Carolina Windom fed with coax







166 feet is a long run

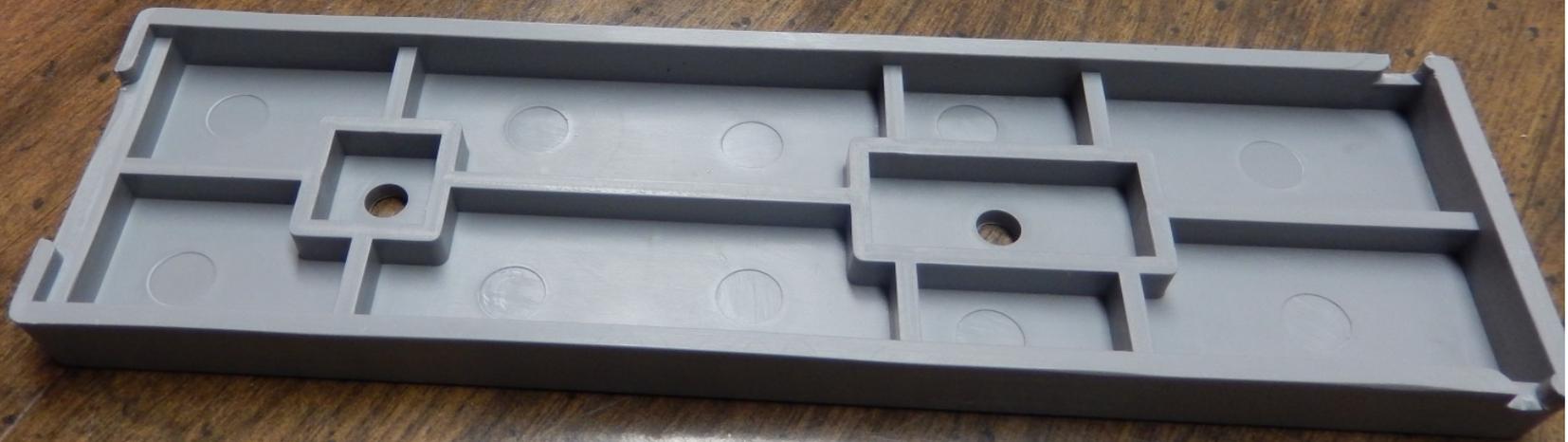


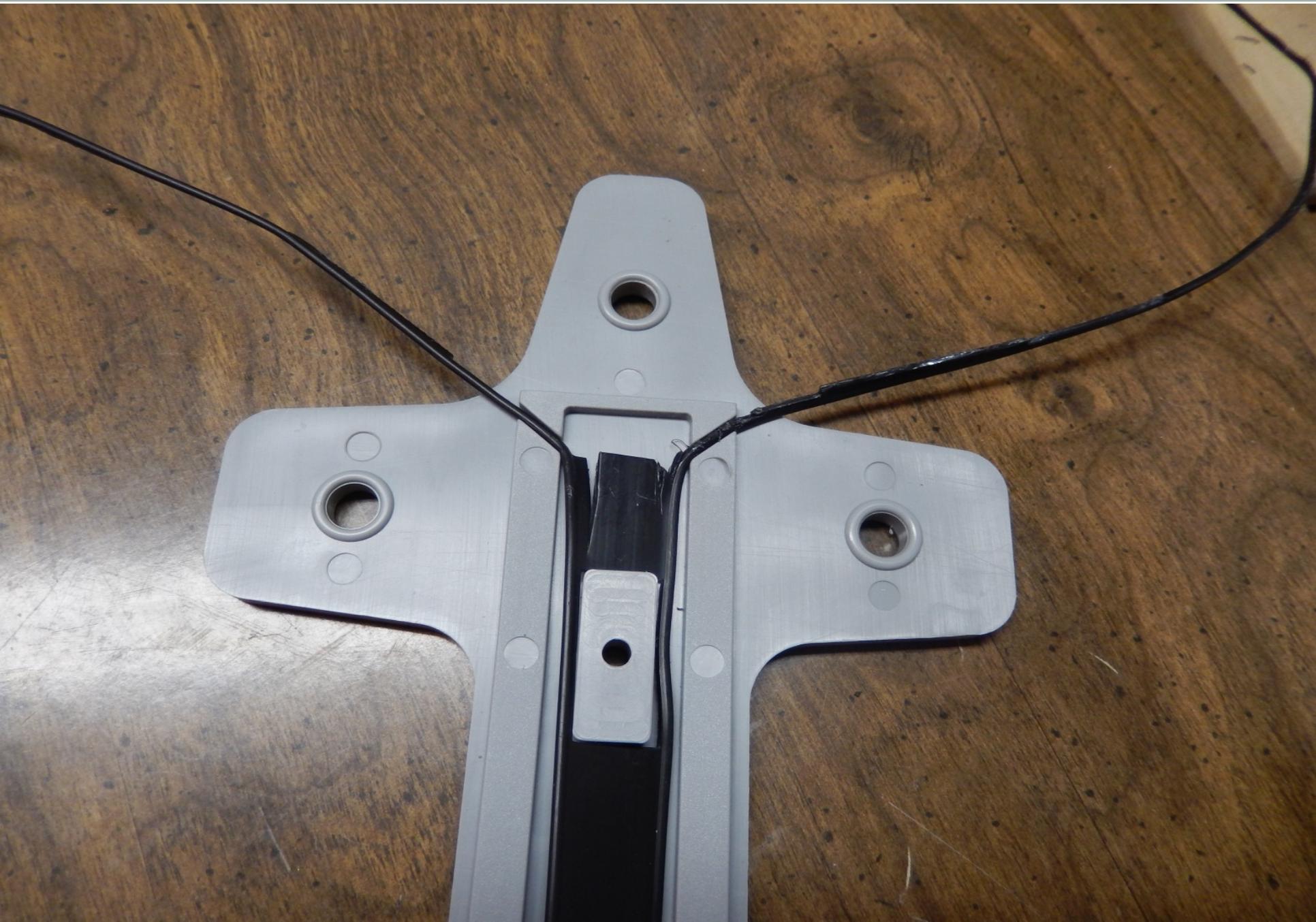
Ladder Loc, Pulley, Insulators, Thimbles

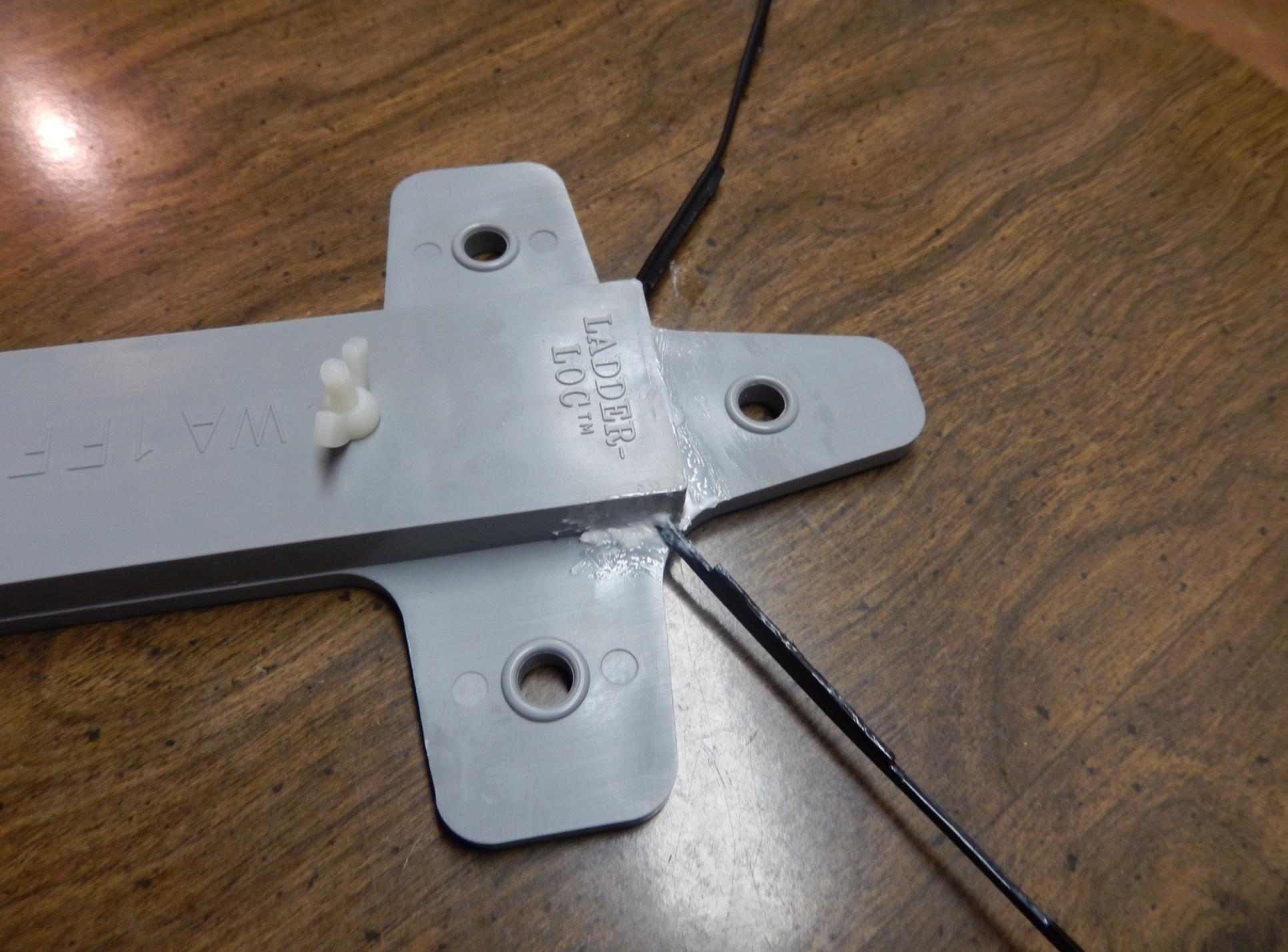


Start an Inventory









LADDER-
LOC™

WA1FF





10
12
14
16
18
20
22

IDENTIFY
TERMINALS

WIRE STRIPPER
A.W.G.

WIRE
CUTTER

8-32
10-24
10-32
4-40
6-32

22-18
16-14
12-10

BENCHMADE

Pencil soldering iron won't do





LADDER-
LOC™

WA1FFL



Use Super 88 because Dick said so- K9CAN





UV-resistant Dacron double weave



10 ft Sections of 1" Conduit







US Tower Corp TMM-541 SS Crank-up



Hard Hat Added



Extension ladder readily available?



Folded Dipole 10 Meter Contact





A Screen Shot











Support the weak spot





Our Friend the Tree

ARRL Wire Antenna Classics



Clean Cut Broken Limbs



The Tree Will Heal Better



Coax Fed to Lower Level (basement)



Put a Twist in The Ladder Line



Attach totally biodegradable counter weight









Two Antennas Got Married

The ceremony wasn't much
but the reception was great.

Center CW Band SWR

Band	Window SWR	Folded SWR
160 Meters	2.3	6
80 Meters	2.5	1.5
40 Meters	6.1	2.5
30 Meters	3.1	1.4
20 Meters	2.5	1.2
17 Meters	6.1	1.5
15 Meters	1.2	2
12 Meters	2.1	1.2
10 Meters	6	1.3

Signal Reports

- Lot of 59 and 599 reports
- Comments on 160, 20, and 15 Meters
 - Good signal into X. Really good signal
 - Great signal tonight
 - Your 59. Very strong signal today
 - Few 59 plus reports
- Sometimes Answered on first call in pile ups

The Wireman Receipt-Davis wire

The Wireman.pdf - Adobe Reader

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Quantity	Item Code	Description	Price Each	Amount
300	5000CQ531	SILKY 13 GA TCCS 40 %	0.28	84.00T
50	5002553	450OHM 18 GA 16STR. CCS	0.60	30.00T
1	8000805	LADDERLOCK	14.95	14.95T
1	8000810	HQ-2 END INSULATORS (PR)	3.35	3.35T
2	8000890	3/4" PULLEY SWIVEL	3.65	7.30T
2	8000800A	SS THIMBLE PR FITS 14GA AND ABOVE	1.00	2.00T
1	FREIGHT	SHIPPING CHARGES	21.81	21.81
		UPS Package 1 Tracking #: 1Z7142190395491953		
		Out-of-state sale, exempt from sales tax	0.00%	0.00
			Total	\$163.41

E-mail

Menards Receipt

Menards Conduit.pdf - Adobe Reader

File Edit View Window Help

1 / 1 169%

Tools Sign Comment



Sale Transaction

1" X 10' EMT CONDUIT *		
3651388	5 @5.49	27.45
3/4"X5' SCH40 PVC CONDUI		
3652085		1.04
1" EMT CAP		
3654732	2 @2.49	4.98
TOTAL		33.47
WASHINGTON Co-WI TAX 5.60%		1.87
TOTAL SALE		35.34
VISA 6001		35.34
87337B		
Swiped		
TOTAL SAVINGS	1.50	
TOTAL NUMBER OF ITEMS =	8	

GUEST COPY

Even Better If:

- Solve RFI Issue
- Stronger Tee Bar at Tower Top
 - Conduit is already bent
- Longer runs of Dacron rope
- Higher
 - Higher at center is possible
- Remote tuner at ladder line
 - Yaesu FT-920 built-in auto tuner doesn't meet today's standards
 - Fussy (rain, dew)
 - Slow
 - Limited memory