

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read  
Application And  
Notes, if Any,  
Attached

BUILDING INSPECTION

**PERMIT ISSUED**

Permit Number: 031375

NOV 13 2003

# PERMIT

This is to certify that Bailey David G/n/a

has permission to Install 35' bracket tilt over antenna tower with equipment base **CITY OF PORTLAND**

AT 39 Chesley Ave 439 D022001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is leased or closed-in.  
**HEAR NOTICE IS REQUIRED.**

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

### OTHER REQUIRED APPROVALS

Fire Dept. \_\_\_\_\_  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

*Jeannie Bonke 11/13/03*  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

**PERMIT ISSUED**

**City of Portland, Maine - Building or Use Permit Application**  
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 03-1375	Issue Date: <b>NOV 13 2003</b>	CBL: 439 D022001
-----------------------	-----------------------------------	---------------------

Location of Construction: 39 Chesley Ave	Owner Name: Bailey David G	Owner Address: 39 Chesley Ave <b>CITY OF PORTLAND</b>	Phone: 207-878-5316
Business Name: n/a	Contractor Name: n/a	Contractor Address: n/a Portland	Phone:
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Alterations - Dwellings	Zone: <b>R3</b>

Past Use: Single Family	Proposed Use: Single Family / Install 35' Bracket tilt over amateur radio tower with cement base.	Permit Fee: \$30.00	Cost of Work: \$800.00	CEO District: 3
Proposed Project Description: Install 35' bracket tilt over amateur radio tower with cement base.		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>R3</b> Type: <b>accessory attached</b> <b>BOCA 1999</b> Signature: <b>AMB 11/13/03</b>	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: gg	Date Applied For: 11/06/2003	<b>Zoning Approval</b>	
------------------------	---------------------------------	------------------------	--

<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building permits do not include plumbing, septic or electrical work.</li> <li>Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.</li> </ol>	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <b>AMB 11/13/03</b>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <b>AMB</b>
	<i>Approved panel 7 Sec. 14-430 Attached to Principal Structure</i>		

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

12/10/03 Inspected tower - pad -  
4' to Frost JR  
OK to close

**City of Portland, Maine - Building or Use Permit**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

<b>Permit No:</b> 03-1375	<b>Date Applied For:</b> 11/06/2003	<b>CBL:</b> 439 D022001
------------------------------	--	----------------------------

<b>Location of Construction:</b> 39 Chesley Ave	<b>Owner Name:</b> Bailey David G	<b>Owner Address:</b> 39 Chesley Ave	<b>Phone:</b> 207-878-5316
<b>Business Name:</b> n/a	<b>Contractor Name:</b> n/a	<b>Contractor Address:</b> n/a Portland	<b>Phone:</b>
<b>Lessee/Buyer's Name:</b> n/a	<b>Phone:</b> n/a	<b>Permit Type:</b> Alterations - Dwellings	

<b>Proposed Use:</b> Single Family / Install 35' Bracket tilt over amateur radio tower with cement base.	<b>Proposed Project Description:</b> Install 35' bracket tilt over amateur radio tower with cement base.
---	---

**Dept:** Zoning      **Status:** Approved      **Reviewer:** Jeanine Bourke      **Approval Date:** 11/13/2003

**Note:**      **Ok to Issue:**

1) Sec. 14-430 allows this structure if it is attached to the principal structure

**Dept:** Building      **Status:** Approved      **Reviewer:** Jeanine Bourke      **Approval Date:** 11/13/2003

**Note:**      **Ok to Issue:**

# BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

**Pre-construction Meeting:** Must be scheduled with your inspection team upon receipt of this permit. Jay Reynolds, Development Review Coordinator at 874-8632 must also be contacted at this time, before any site work begins on any project other than single family additions or alterations.

- Footing/Building Location Inspection:** Prior to pouring concrete
- Re-Bar Schedule Inspection:** Prior to pouring concrete
- Foundation Inspection:** Prior to placing ANY backfill
- Framing/Rough Plumbing/Electrical:** Prior to any insulating or drywalling
- Final/Certificate of Occupancy:** Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

**If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

~~CERTIFICATE OF OCCUPANCIES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED~~

[Signature]  
Signature of applicant/designee

11-14-03  
Date

[Signature]  
Signature of Inspections Official

11/14/03  
Date

CBL: 439-D-22 Building Permit #: 03-1375



# Residential Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>39 Chesley Ave Portland Me 04103</u>		
Total Square Footage of Proposed Structure <u>30</u>	Square Footage of Lot <u>5000</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>439</u> Block# <u>0</u> Lot# <u>22</u>	Owner: <u>David Bailey</u>	Telephone: <u>8785316</u>
Lessee/Buyer's Name (If Applicable) <u>N/A</u>	Applicant name, address & telephone: <u>same as above</u>	Cost Of Work: \$ <u>800</u> Fee: \$ <u>30</u>
Current Specific use: <u>Home SFR</u>		
Proposed Specific use: <u>Home with Amateur Radio Tower</u>		
Project description: <u>35' Bracketed Tilt over Amateur Radio tower with cement base</u>		
Contractor's name, address & telephone:		
Who should we contact when the permit is ready: <u>David Bailey</u>		
Mailing address:		
Phone: <u>8785316</u>		

Please submit all of the information outlined in the Residential Application Checklist. Failure to do so will result in the automatic denial of your permit.

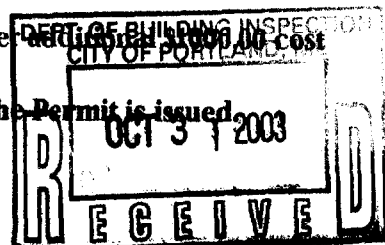
At the discretion of the Planning and Development Department, additional information may be required prior to permit approval. For further information stop by the Building Inspections office, room 315 City Hall or call 874-8703.

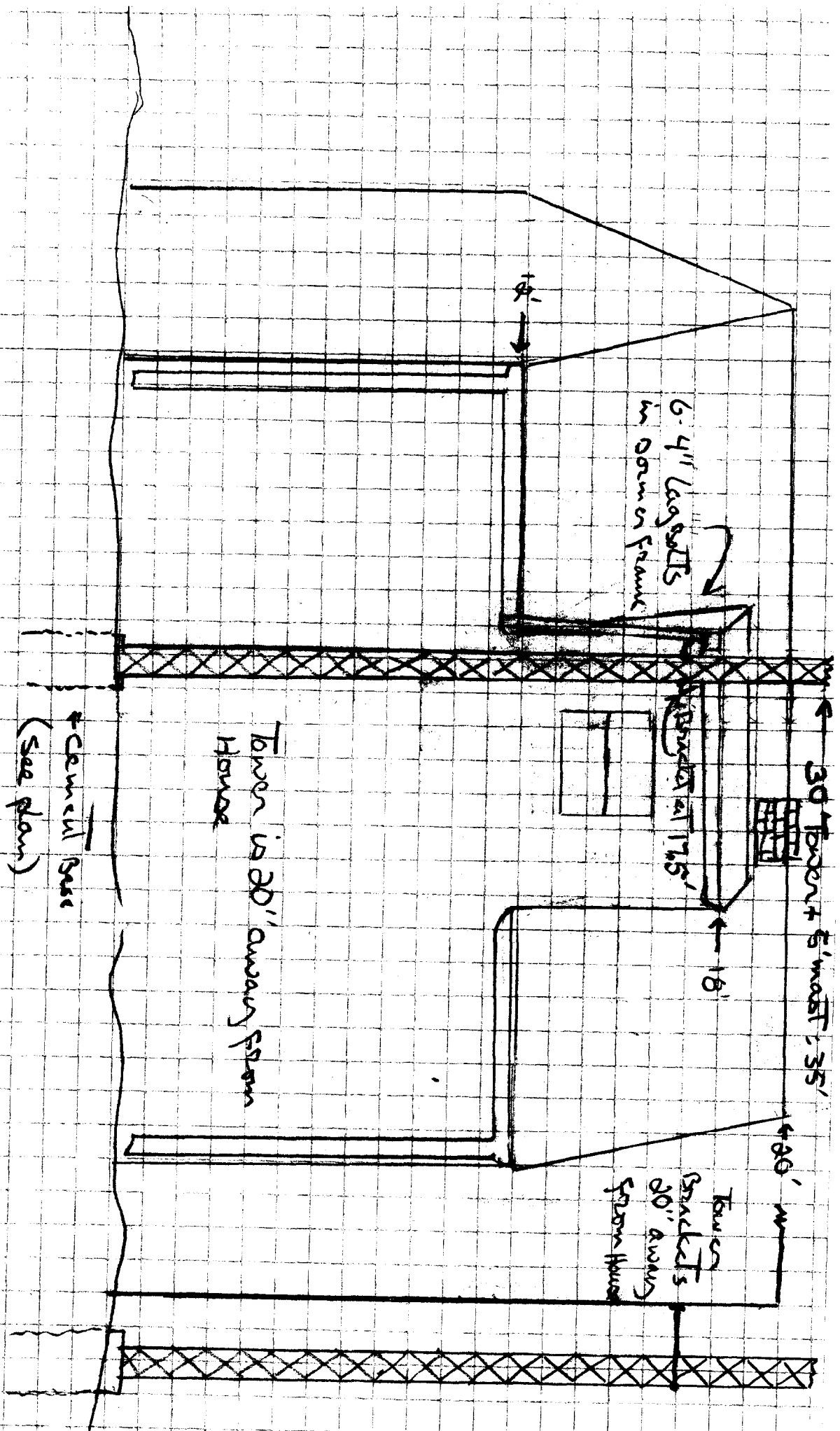
I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>David Bailey</u>	Date: <u>10-31-03</u>
---	-----------------------

Permit Fee: \$30.00 for the first \$1000.00 Construction Cost, \$9.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

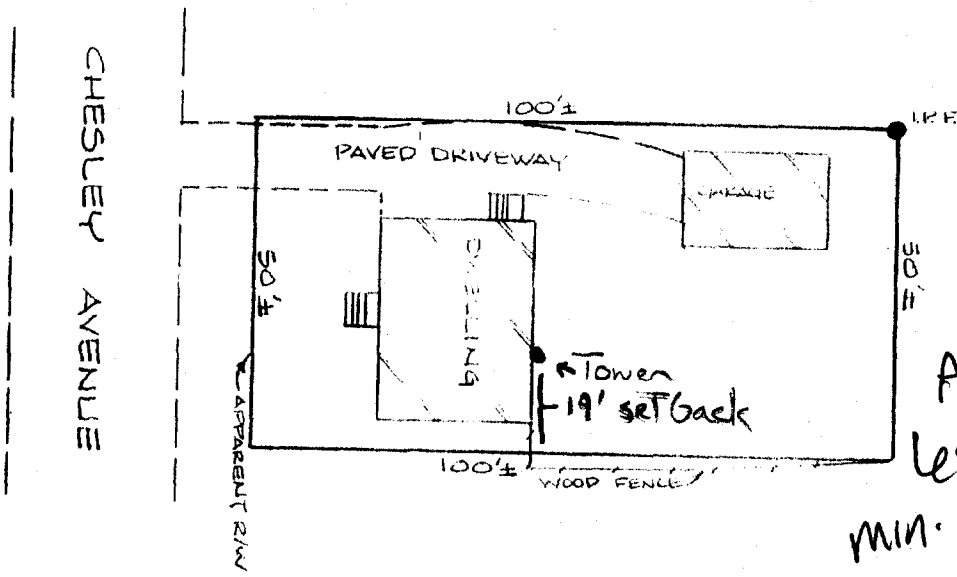




35' Spackled fill over Amazon Radio's Tower  
 Wind/ice loading see specs

Tower fill's away from house for maintenance (see fill base plan)

Weight = 130 lbs



R3  
 Accessory structure  
 less than 100 sq ft  
 min. 5' setback

## MORTGAGE LOAN INSPECTION PLAN

The dwelling does conform to local zoning building setbacks at the time of construction.

The dwelling is not in a special flood zone as defined by flood insurance rate map 230051-0007 dated 7-15-1992.

**THIS IS NOT A STANDARD BOUNDARY SURVEY.** Information shown on this plan is for mortgage purposes only. Property lines shown on this plan are based on current lines of occupation, current deed information (referenced below), and tax map information. A **STANDARD BOUNDARY SURVEY IS SUGGESTED TO CONFIRM ALL BOUNDARY LINES SHOWN ON THIS PLAN.** This plan may not be recorded or used for any land divisions. The property shown on this plan may be subject to easements, covenants, and restrictions of record which may not be shown on this plan.

This inspection conforms to the standards of the Maine Board of Licensure for Professional Land Surveyors, standards of practice for a Mortgage Loan Inspection.

### PROPERTY INFORMATION

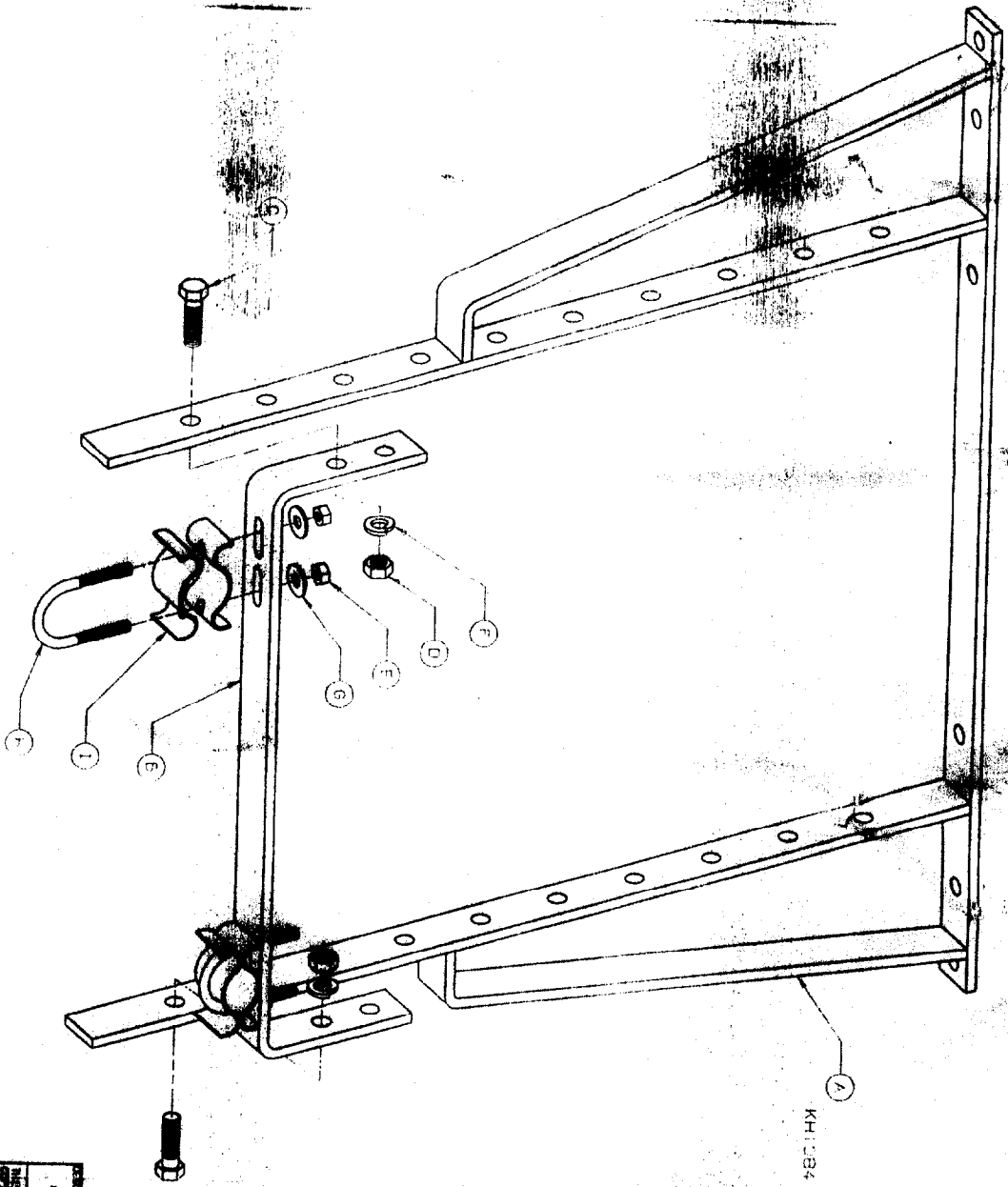
Street: 39 CHESLEY AVENUE    Town: PORTLAND    County: CUMBERLAND    Maine  
 Owner: PETERSON  
 Buyer: DAVID BAILEY  
 Deed Reference: book    page  
 Plan Reference: book    page    lot  
 Tax Map # 439 Lot 22 Block D  
 Lending Institution: NORWEST MORTGAGE  
 Scale: 1 inch = 30 feet    Date: DECEMBER 16, 1998

Atlantic Title Company  
 76 Atlantic Place  
 South Portland, Maine 04106  
 Telephone (207) 774-4400

*[Handwritten Signature]*  
 WILLIAM G. AUSTIN  
 STATE OF MAINE  
 PROFESSIONAL LAND SURVEYOR # 2174







KH1284 & KH1285 NOT SHOWN

H925AG 0-15.00  
 H925B6 0-24.00  
 H925C6 0-36.00

ITEM	PART NO.	DESCRIPTION
2	C	220044 BOLT 3/8 X 1-1/4
2	D	240021 NUT 3/8 HEX 2" (-18 THREAD)
4	E	240005 NUT 1/4 HEX 2" (-20 THREAD)
2	F	250007 WASHER 5/8 HD SP.LT. 2" 2"
4	G	250008 WASHER 1/4 PLAT 2" US
2	H	HR45 U-BOLT 1/4 X 1-1/4 2"
4	KH128	CLIP 1/4 X 1/4 X 1/16 INK 4" PG

ITEM	PART NO.	DESCRIPTION
1	A	HOUSE BRKT. 24" X 24" X 1/4"
1	A	KH1285
1	A	KH1286
1	B	KH1287
1	C	KH1288
1	D	KH1289
1	E	KH1290
1	F	KH1291
1	G	KH1292
1	H	KH1293
1	I	KH1294
1	J	KH1295
1	K	KH1296
1	L	KH1297
1	M	KH1298
1	N	KH1299
1	O	KH1300
1	P	KH1301
1	Q	KH1302
1	R	KH1303
1	S	KH1304
1	T	KH1305
1	U	KH1306
1	V	KH1307
1	W	KH1308
1	X	KH1309
1	Y	KH1310
1	Z	KH1311
1	AA	KH1312
1	AB	KH1313
1	AC	KH1314
1	AD	KH1315
1	AE	KH1316
1	AF	KH1317
1	AG	KH1318
1	AH	KH1319
1	AI	KH1320
1	AJ	KH1321
1	AK	KH1322
1	AL	KH1323
1	AM	KH1324
1	AN	KH1325
1	AO	KH1326
1	AP	KH1327
1	AQ	KH1328
1	AR	KH1329
1	AS	KH1330
1	AT	KH1331
1	AU	KH1332
1	AV	KH1333
1	AW	KH1334
1	AX	KH1335
1	AY	KH1336
1	AZ	KH1337
1	BA	KH1338
1	BB	KH1339
1	BC	KH1340
1	BD	KH1341
1	BE	KH1342
1	BF	KH1343
1	BG	KH1344
1	BH	KH1345
1	BI	KH1346
1	BJ	KH1347
1	BK	KH1348
1	BL	KH1349
1	BM	KH1350
1	BN	KH1351
1	BO	KH1352
1	BP	KH1353
1	BQ	KH1354
1	BR	KH1355
1	BS	KH1356
1	BT	KH1357
1	BU	KH1358
1	BV	KH1359
1	BW	KH1360
1	BX	KH1361
1	BY	KH1362
1	BZ	KH1363
1	CA	KH1364
1	CB	KH1365
1	CC	KH1366
1	CD	KH1367
1	CE	KH1368
1	CF	KH1369
1	CG	KH1370
1	CH	KH1371
1	CI	KH1372
1	CJ	KH1373
1	CK	KH1374
1	CL	KH1375
1	CM	KH1376
1	CN	KH1377
1	CO	KH1378
1	CP	KH1379
1	CQ	KH1380
1	CR	KH1381
1	CS	KH1382
1	CT	KH1383
1	CU	KH1384
1	CV	KH1385
1	CU	KH1386
1	CV	KH1387
1	CU	KH1388
1	CV	KH1389
1	CU	KH1390
1	CV	KH1391
1	CU	KH1392
1	CV	KH1393
1	CU	KH1394
1	CV	KH1395
1	CU	KH1396
1	CV	KH1397
1	CU	KH1398
1	CV	KH1399
1	CU	KH1400

**ADJUSTABLE HOUSE BRACKET**

THIS DRAWING IS THE PROPERTY OF ROOM 11 IS NOT TO BE REPRODUCED OR REPRODUCED IN ANY FORM WITHOUT OUR WRITTEN PERMISSION.

FOR OTHER DRAWINGS, BALANCE SHEETS, ETC. CONTACT THE DRAWING ROOM.

DATE: 07/17/68

DESIGNED BY: [Redacted]

SCALE: 1" = 1'-0"

PROJECT NO.:

DATE: [Redacted]

BY: [Redacted]

CHKD BY: [Redacted]

APP'D BY: [Redacted]

# ROHN NO. 25G BRACKETED TOWERS - NO ICE

TOWER HEIGHT FT.	BRACKET ELEVATION		ALLOWABLE ANTENNA AREAS (SQ. FT.)			
	UPPER (FT)	LOWER (FT)	70 MPH	80 MPH	90 MPH	
40	30.0	15.0	15.3	11.3	7.7	
50	36.0	18.0	14.6	10.0	6.8	
60	46.0	23.0	14.0	8.9	5.9	
70	56.0	28.0	13.5	8.3	5.5	
80	66.0	33.0	13.1	7.7	5.0	
90	66.0	33.0	6.8	4.9		
100	66.0	33.0	1.7			

1. TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E.
2. ALL TOWERS MUST HAVE "TIED BASES". PINNED BASES MUST NOT BE USED.
3. DESIGNS ASSUME ONE 5/8" TRANSMISSION LINE ON EACH FACE (TOTAL "S"), SYMMETRICALLY PLACED.
4. ANTENNAS AND MOUNTS ASSUMED SYMMETRICALLY PLACED AT TOWER APEX.
5. ALLOWABLE ANTENNA AREAS ASSUME ALL ROUND ANTENNA ELEMENTS.
6. ALLOWABLE FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C, MAY BE OBTAINED BY MULTIPLYING AREAS SHOWN BY 0.8.
7. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
8. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
9. INSTALL RAINING PLATE (P/N AC83) IN A HIGHLY VISIBLE LOCATION.
10. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
11. FOUNDATION DETAILS SEE DRAWING A871288.
12. ALL BRACKETS ARE TO BE ROHN P/N HELVING PER DRAWING DESOR21.
13. THE INTERFACE OF TOWER BRACKETS TO SUPPORTING STRUCTURE IS TO BE DESIGNED "BY OTHERS" AND MUST SUPPORT A MINIMUM HORIZONTAL FORCE OF 815 POUNDS.

BY: RAM      DATE: 3/17/88      CHECKED: AED      DATE: 3/17/88      DWG. NO. A871302R1



# ROHN<sup>®</sup>

## SELF-SUPPORTING TOWERS - ALLOWABLE ANTENNA AREAS (SQ. FT.)

HT.	70 MPH								80 MPH								90 MPH							
	NO ICE				1/2" ICE (NOTE 7)				NO ICE				1/2" ICE (NOTE 7)				NO ICE				1/2" ICE (NOTE 7)			
	#25	#45	#55	#65	#25	#45	#55	#65	#25	#45	#55	#65	#25	#45	#55	#65	#25	#45	#55	#65	#25	#45	#55	#65
10'	42.6	75.0	175.0	189.0	55.0	89.0	231.4	14.8	30.0	57.0	133.0	16.6	40.0	74.0	174.3	10.5	25.0	45.0	100.6	18.5	30.0	57.0	135.0	13.0
20'	14.2	22.0	43.0	117.0	14.4	25.0	52.0	150.0	9.0	16.0	30.0	66.0	7.1	16.0	36.0	106.0	6.9	11.0	23.0	66.0	2.1	10.0	26.0	66.0
30'	6.4	12.0	25.0	78.2	2.5	9.0	27.0	96.0	3.7	7.5	17.0	55.8	0.9	2.7	16.0	66.0	1.7	4.0	12.0	40.0	0.9	0.0	9.0	49.0
35'	3.6	6.7	21.0	61.2	0.9	4.7	22.2	76.4	1.4	4.7	14.5	44.0	0.9	0.0	12.4	53.4		1.9	9.4	32.2		0.0	5.7	37.7
40'	1.5	5.1	15.0	48.8	0.9	0.0	8.0	59.1		1.4	8.0	34.1		0.0	2.5	30.0			4.0	24.1			0.0	26.0
45'		2.3	11.4	39.0			5.5	45.7			5.9	26.2			0.0	26.8			2.2	17.7			0.0	17.2
50'			6.5	29.3			9.0	33.6			1.5	19.7			0.9	19.1				14.6				8.0
55'			4.0	24.4			9.0	26.0				14.5				11.4				7.7				2.6
60'			9.8	18.4			9.0	16.0				9.4				4.1				3.3				0.0
70'				8.7				1.9				1.3				9.0								
80'				0.9				0.0																

25G-1

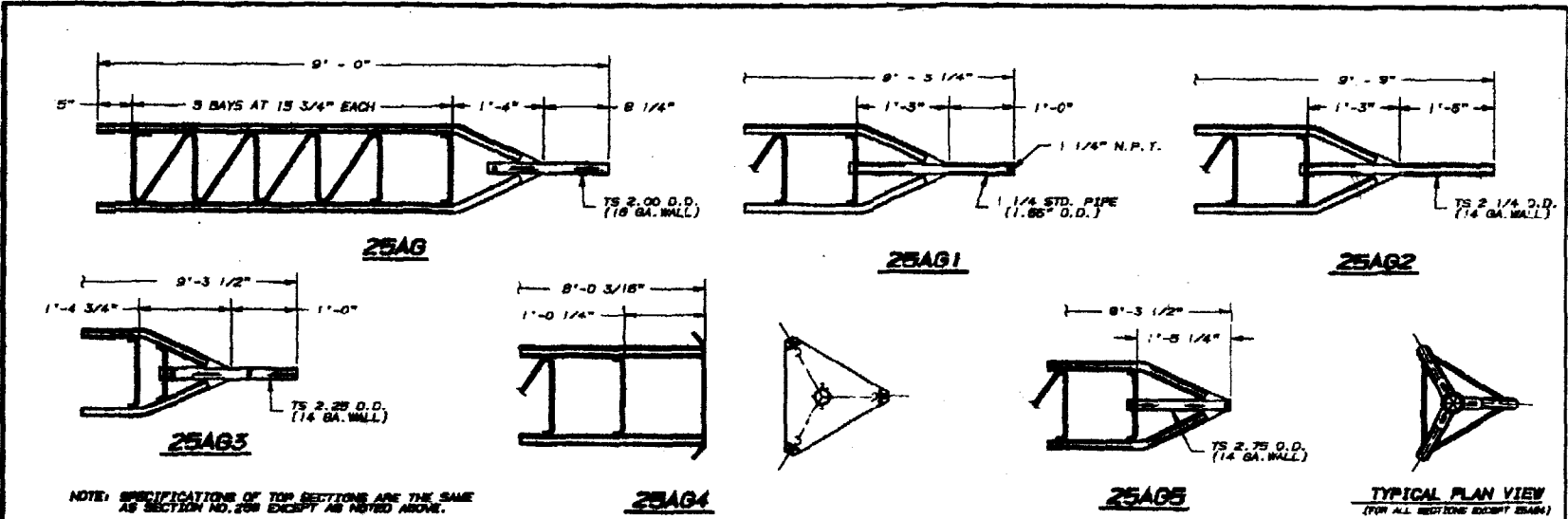
1. TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E.
2. ALL TOWERS MUST HAVE "FIXED" BASES. PINNED BASES MUST NOT BE USED.
3. DESIGNS ASSUME TRANSMISSION LINES SYMMETRICALLY PLACED AS FOLLOWS:  
 #25 TOWER - ONE 5/8" LINE ON EACH FACE (TOTAL = 3).  
 #45 TOWER - ONE 7/8" AND ONE 1/2" LINE ON EACH FACE (TOTAL = 3 @ 7/8" & 3 @ 1/2").  
 #55 & #65 - TWO 7/8" LINES ON EACH FACE (TOTAL = 6).
4. ANTENNAS AND MOUNTS ASSUMED SYMMETRICALLY PLACED AT TOWER APEX.
5. ALLOWABLE ANTENNA AREAS ASSUME ALL ROUND ANTENNA MEMBERS.
6. ALLOWABLE FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C, MAY BE OBTAINED BY MULTIPLYING AREAS SHOWN BY 0.6.
7. FOR WIND SPEEDS WITH ICE, THE AREAS SHOWN INCLUDE 1/2" RADIAL ICE. ANTENNA AREAS WITHOUT ICE MUST NOT EXCEED THE AREAS SHOWN FOR THE NO ICE CONDITION.
8. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
9. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
10. INSTALL WARNING PLATE (P/N ACWS) IN A HIGHLY VISIBLE LOCATION.
11. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
12. FOR FOUNDATION DETAILS SEE DRAWING B870725.

BY: *R.A.M.*    DATE: *9/24/87*    CHECKED: *Red*    DATE: *9-24-87*    DWG. NO. A871266R1

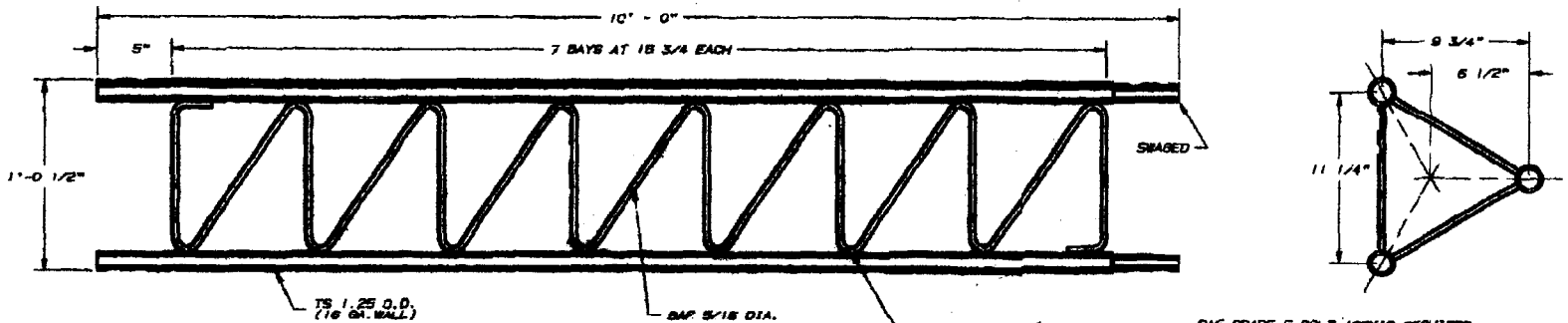
25G



25G-11



NOTE: SPECIFICATIONS OF TOP SECTIONS ARE THE SAME AS SECTION NO. 25B EXCEPT AS NOTED ABOVE.



SAE GRADE 5 BOLT ASSY'S REQUIRED:  
 (3) 1/4" DIA. X 1 1/2" LG. (NF BOLTS)  
 (3) 5/16" DIA. X 1 1/2" LG. (NF BOLTS)

**P/N 25B SECTION**

25B TOWER SECTION PROPERTIES			
ITEM	LEGS	BRACES	SECTION
SIZE	TS 1.25 O.D. 0.085 WALL	BAR 5/16 DIA.	N/A
F <sub>y</sub>	50.0		N/A
A	0.2420	0.0770	0.726
S	0.0862	0.0030	2.15
I	0.0426	0.00047	13.3
r	0.4186	0.0781	4.89
L	18.7500	18.7	VARIES
K	1.0	0.70	1.0
KL/r	37.5	187.6	VARIES
C	6.43	0.85	N/A
T	6.29	N/A	N/A
W	N/A	N/A	6.72
W <sub>s</sub>	0.82	0.261	4.0
W <sub>w</sub>	26.0	14.0	40.0

**NOMENCLATURE**

- A = CROSS SECTIONAL AREA (SQUARE INCHES)
- C = COMPRESSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
- I = MOMENT OF INERTIA ABOUT CENTROIDAL AXIS (INCHES<sup>4</sup>)
- F<sub>y</sub> = MINIMUM YIELD STRENGTH (KSI)
- K = EFFECTIVE LENGTH FACTOR (DIMENSIONLESS)
- L = UNBRACED LENGTH (INCHES)
- M = MOMENT CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (FT.-KIPS)
- N/A = NOT APPLICABLE
- S = ELASTIC SECTION MODULUS (INCHES<sup>3</sup>)
- T = TENSION CAPACITY WITH 1/3 INCREASE IN ALLOWABLE STRESS (KIPS)
- r = RADIUS OF GYRATION (INCHES)
- W = WEIGHT PER FOOT (POUNDS)
- W<sub>s</sub> = WEIGHT PER SECTION (POUNDS)

NOTE: CAPACITIES SHOWN ARE BASED ON AISI/AIA-222-E-1801.

REVISIONS		DATE	BY	CHKD.	APP'D.
1	ISSUED FOR CONSTRUCTION	2/18/88	SPW	MDU	RAM
2	REVISED TO 1/4" DIA. X 1 1/2" LG. (NF BOLTS)	2/24/88	MDU	MDU	RAM
3	REVISED TO 5/16" DIA. X 1 1/2" LG. (NF BOLTS)	2/25/88	MDU	MDU	RAM
4	REVISED TO 1/4" DIA. X 1 1/2" LG. (NF BOLTS)	2/25/88	MDU	MDU	RAM

THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR PUBLISHED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.

**ROHN**

**25B SECTION ASSEMBLY**

Order No. 25B Date 2/18/88 Title: 25B SECTION ASSEMBLY  
 Drawn: SPW 2/18/88  
 Checked: MDU 2/24/88  
 App. Eng.: RAM 2/25/88  
 App. Sealer: AE 2/25/88

DRAWING NO. CA30629 R9

25G