

Permit No.
8354

Storey County Building Dept.
P O Box 526 Virginia City Nevada 89440 ~ (775) 847-0966

Date
6/27/08

RESIDENTIAL

WORK DESCRIPTION: **Erection of two Ham Radio Towers**

WORK LOCATION ADDRESS: **370 Panamint RD**

AREA: **VR**

APN: **003-431-18**

ZONE:

FLOOD:

LOT / BLK: **37**

OCCUPANCY or INTENDED USE:

ESTIMATED WORK COMMENCEMENT DATE: **6/27/08**

ESTIMATED COMPLETION DATE: **6/27/09**

MOBILE HOME / TRAVEL TRAILER:

MAKE:

MODEL:

YEAR:

SIZE:

SERIAL #:

SCHOOL TAX RECEIPT #:

When required, pay \$500 to Storey County Clerk at Courthouse

SPECIAL CONDITIONS:

CONTRACTOR: **Owner Builder**

PHONE:

ADDRESS:

NV LIC #:

Exp:

Limit: \$

SC LIC #:

Exp:

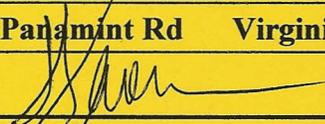
ALL MATERIALS USED FOR THIS PROJECT SHOULD BE RECEIVED IN STOREY COUNTY AND THE VALUE REPORTED AS 'COUNTY-OF-DELIVERY' ON THE NEVADA DEPARTMENT OF TAXATION FORM TXR-01.01 'SALES/USE TAX RETURN'.

If you require further information, please call (775) 847-0966.

OWNER / Permittee (Print): **Tom Taormina**

PHONE: **847-7929**

ADDRESS (Mailing): **370 Panamint Rd Virginia City Highlands, NV 89521**

OWNER SIGNATURE: 

AUTHORIZED

BUILDER / AGENT:

LIVING AREA: Sq Ft @ **\$61.10** = \$

BLDG FEE: **\$111.25**

PLOT PLAN: \$

CONCRETE SLAB: Sq Ft @ **\$16.10** = \$

PLAN RWV FEE: **\$72.31**

SIGNS: \$

STD T-FOUNDATION: Ln Ft @ **\$25.00** = \$

ELECTRICAL: \$

SPEC INSP: \$

GARAGE: Sq Ft @ **\$19.48** = \$

MECHANICAL: \$

Temp TRAILER: \$

FINISHED GARAGE: Sq Ft @ **\$23.21** = \$

PLUMBING: \$

STOVE / Fireplace: \$

WOOD DECKS: Sq Ft @ **\$ 5.62** = \$

: \$

: \$

SYN/COMP DECKS: Sq Ft @ **\$ 9.96** = \$

: \$

: \$

WOOD DECK: Sq Ft @ **\$12.00** = \$

PARK TAX: \$

: \$

BASEMENT: Sq Ft @ **\$15.54** = \$

TOTAL PERMIT FEE: \$183.56

TOTAL VALUATION: **\$5,000.00**

PLAN REVIEW ONLY

Check #: **6566**

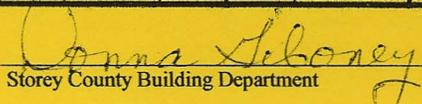
Est. Cost Actual Contract

FULL PERMIT

Receipt #: **10337**

Permission is hereby granted to do the work described in this application and ONLY in accordance with the Rules, Regulations, and Ordinances of the County of Storey. Inspection MUST be called for within 180 days of issuance of permit or permit is void. Permit may be renewed for 50% of the original "Permit Fee".

State 'Health Certification', if required, is the responsibility of the "Permittee".

By: 
Storey County Building Department

Rev 02-11-04

Assessor Dept

Fire Dept

Sheriff Dept

ARTISAN ENGINEERING, LLC

325 West 13th Avenue
Eugene, Oregon 97401-3402
Phone: 541-338-9488 Fax: 541-338-9483
www.artisanengineering.com

June 2, 2008

Mr. Paul Nyland
Custom Metalworks
PO Box 1959
Sandy, OR 97055

Re: Structural Calculations and Foundation Design for Guyed Rotating Antenna Poles
to be Erected in Virginia City, Nevada for K5RC

Dear Paul:

Artisan Engineering, LLC has completed a structural analysis and have designed the guy anchors and pole foundation for the 140-foot and 200-foot rotating guyed monopoles that you plan to erect for your Client K5RC in Virginia City, Nevada. The pole will support a variety of directional yagi antenna arrays. I completed the work per your request earlier this month.

Each of the poles will be made of varying diameter steel pipes stacked on top of each other and guyed near the base and near the top below the large top mounted antenna array. I based the design on the preliminary drawings that you mailed to us on May 8th. I checked the previous analysis completed by a local Engineer, who had specified the expected tension in the top guy wires and subsequent pole down-loading, pole sizes, and guy anchor uplift forces. I used a wind loading of 80 mph at an Exposure C to check the earlier design. I found that the design was fairly conservative and probably more like a 90 mph wind loading which I retained and applied to the design for the 140-foot monopole.

I have supplied you with concrete guy anchors and monopole base footings using your approximated conceptual sketch. I have noted the necessary rebar, footing dimensions, anchor hardware, and guy wire sizes. I have also detailed an embedded spread footing or a drilled pier footing for support the pipe mast and antennas against the wind loading. Please refer to the attached calculations and use the attached S1 drawing to anchor the rotating guyed monopoles.

We have enjoyed assisting you with this project. If you have any additional questions, comments, or concerns please feel free to call.

Sincerely,

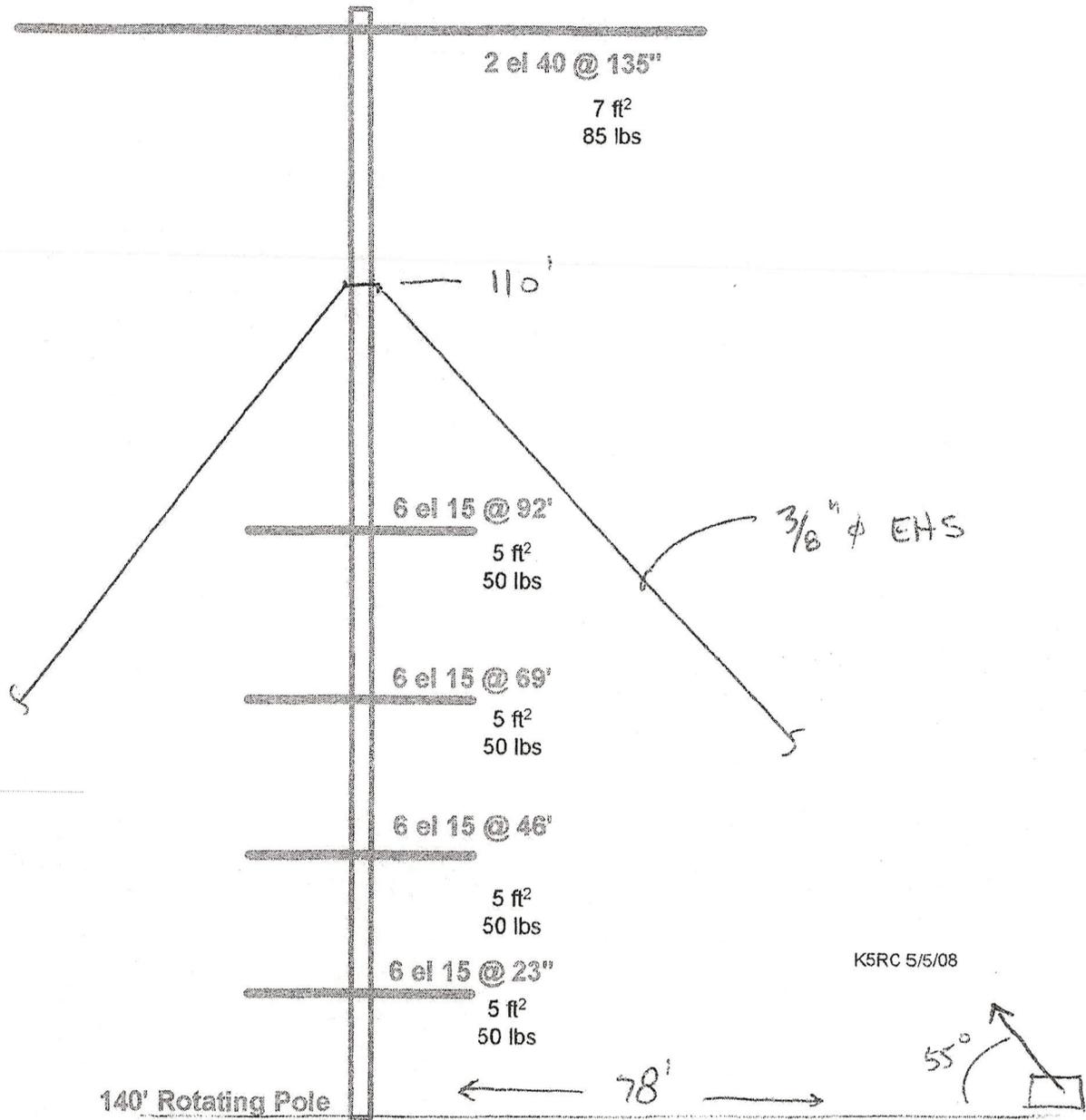


Timothy A. Wolden, PE
Principal, Artisan Engineering, LLC

File: Letter to Paul N for WGuyed Rotating Poles in Nevada.doc



EXPIRATION DATE: 6/03



8/5

