MODIFICATION OF STANDARD 100' LOOKOUT TOWER
DETAIL OF SAFETY FLUE

- Supporting frame & bracing of 2x4 & 2x6 shaped to run to wall beams, securely anchor to wall, beam & ceiling panels.

INVERTED PLAN

SCALE 1/8 = 1 - 0

- Cutting shell 26 ga. galv. iron - 26 ga. galv. iron from this point up stove pipe.
- Sheet metal screws driven inside & stove bolts.
- Flashing 24" x 30".
- Joint at upper side.
- Elliptical collar.
- Circular collar similar to detail below. Rivet & solder 1½ flange 26 ga. galv. iron.
- Clearance 1½ min.
- 12 Holes.
- 800 000 000
- 6 Holes.
- 1-1/4" - 4" above ridge of roof.

NOTE:
- Forest to provide lightning protection & giving 6' 1" jack. Lighting protection shall extend at least 4' above top of stove pipe - stove pipe to extend min. of 12' above ridge of roof.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION SIX

STANDARD ROOF JACK
(SAFETY FLUE)

DESIGNED BY: A.H. DRAWN BY: H.G. TOOKED
SCALE: 1/8" = 1 - 0
APPROVED: J. F. M.
DATE: 3-14-45

ONE SHEET ONLY
Dwg # 1044

LT 1043 04 45 08
GUY ANCHOR IN SOLID ROCK DETAIL

3/4" x 19, Monitor Steel, Galvanized, Fiber Core.
Wire rope. Min. Breaking Strength = 42,000 lb
(Shown in USS Tiger Brand Handbook R 73)

4 - 3/8" galv. wire rope clips at 5' o.c.

Galv. thimble & strap (Forest Service Dwg. L21801A)

1 1/4" galvanized turnbuckle (Shown in USS Handbook R 135)
Breaking Strength = 53,000 lb
Shackle Pin Dia. 1 1/4"

Chance Rock Anchor
Rod Dia. 3/4"
Anchor Size 1 3/4"
Length 53"
Rock drill dia. 2"
Fill hole with grout
Min. Breaking strength of rod = 25,000 lb.
(Shown in 'GRAYBAR' Catalog P 856)
TOWER SITE CONTOUR MAP

NOTE

The depression angles shown on these profiles are not usually of any value, but are shown in order to better show the method of tower height determination.

PROFILE AOC

PROFILE DOB

LOCATION AND ELEVATION OF LOOKOUT TOWERS

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

NOTE

A check of the tower height as determined from profile DOB shows 18 ft. above elevation. Make other checks if necessary.

By moving lower 19 ft. left of high point, 14 ft. of tower height is added.
WIRE SCHEDULE

<table>
<thead>
<tr>
<th>TOWER</th>
<th>TYPE</th>
<th>WIRE REQUIRED</th>
</tr>
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<tbody>
<tr>
<td>CT2</td>
<td>20' L-1303</td>
<td>40</td>
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<tr>
<td>CT2</td>
<td>41' L-1803</td>
<td>12</td>
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<td>CT2</td>
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<td>30</td>
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<td>CT2</td>
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<td>CT2</td>
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<td>CT2</td>
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<tr>
<td>CT2</td>
<td>121' L-1953</td>
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</tbody>
</table>

GENERAL NOTES:
- No fencing required on abuts where width is less than 10 ft.
- Position twisted ends of ties on outside level corners of handrail as shown.
- Bend bottom ends out over stair stringer and staple at 90°.

SECTION A:A

TYPICAL FENCING DETAILS