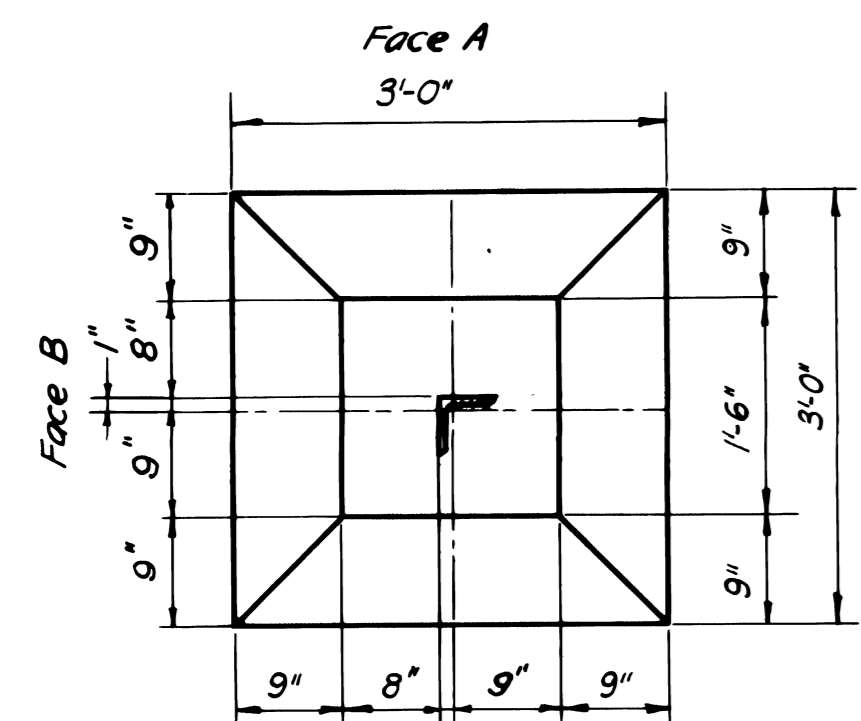


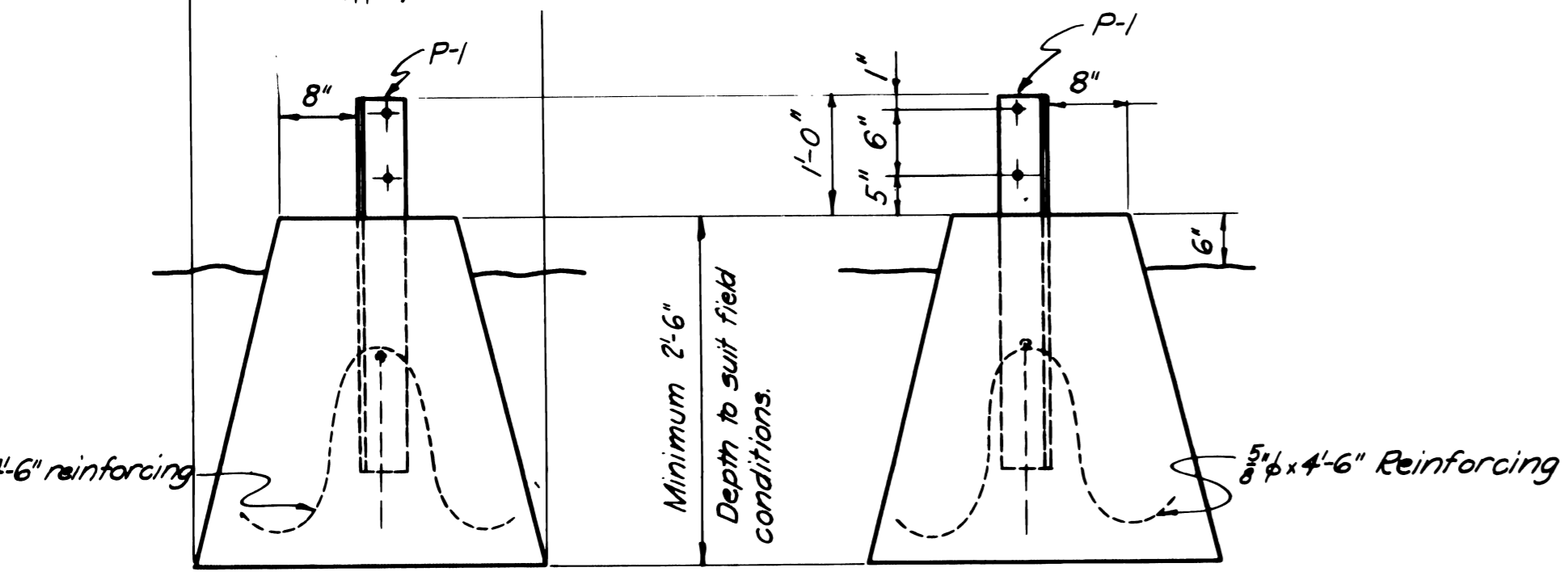
FOOTING LAYOUT

All dimensions marked thus () * are to be determined in the field.



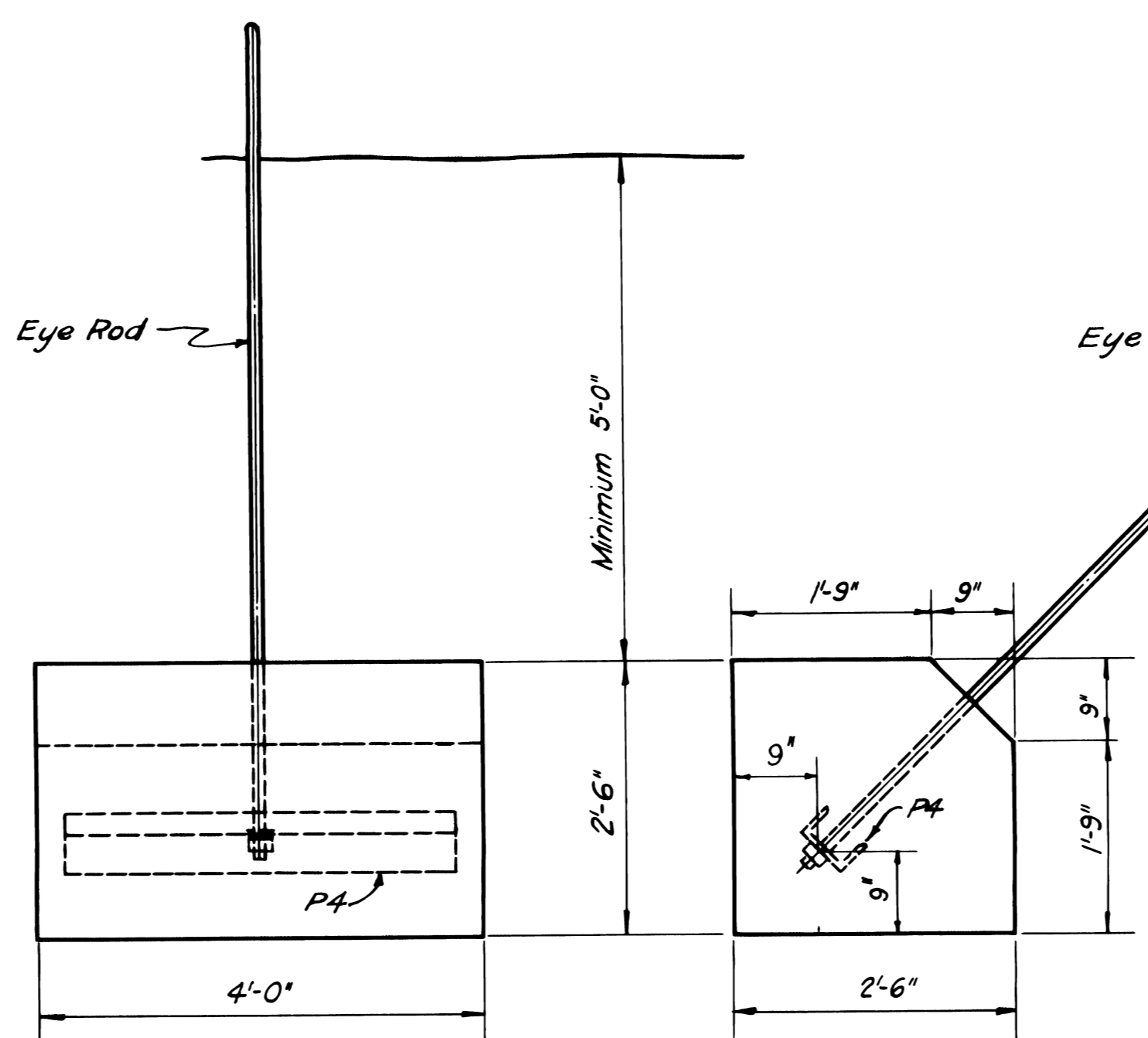
POST FOOTING

Scale 3/4" = 1'-0"



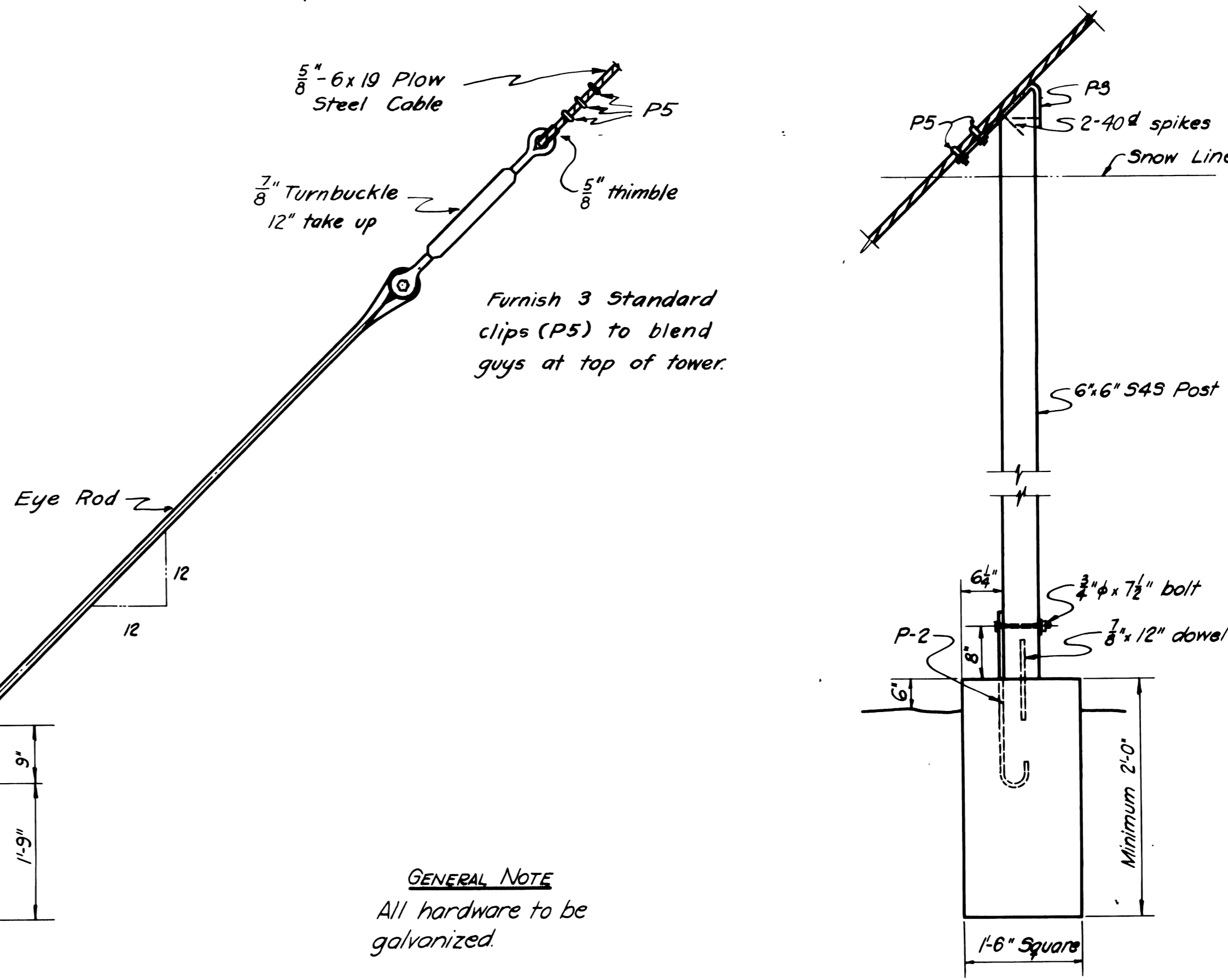
ANCHOR DETAIL

Scale 3/4" = 1'-0"



CABLE SUPPORT

Scale 3/4" = 1'-0"



GENERAL NOTE
All hardware to be galvanized.

Furnish all detailed material and in addition furnish:
 4- 3/8" x 12" dowels
 4- 3/4" x 7 1/2" machine bolts
 4- 3/4" malleable washers
 4- 7/8" turnbuckles, Eye-Clevis.
 4- 5/8" thimbles

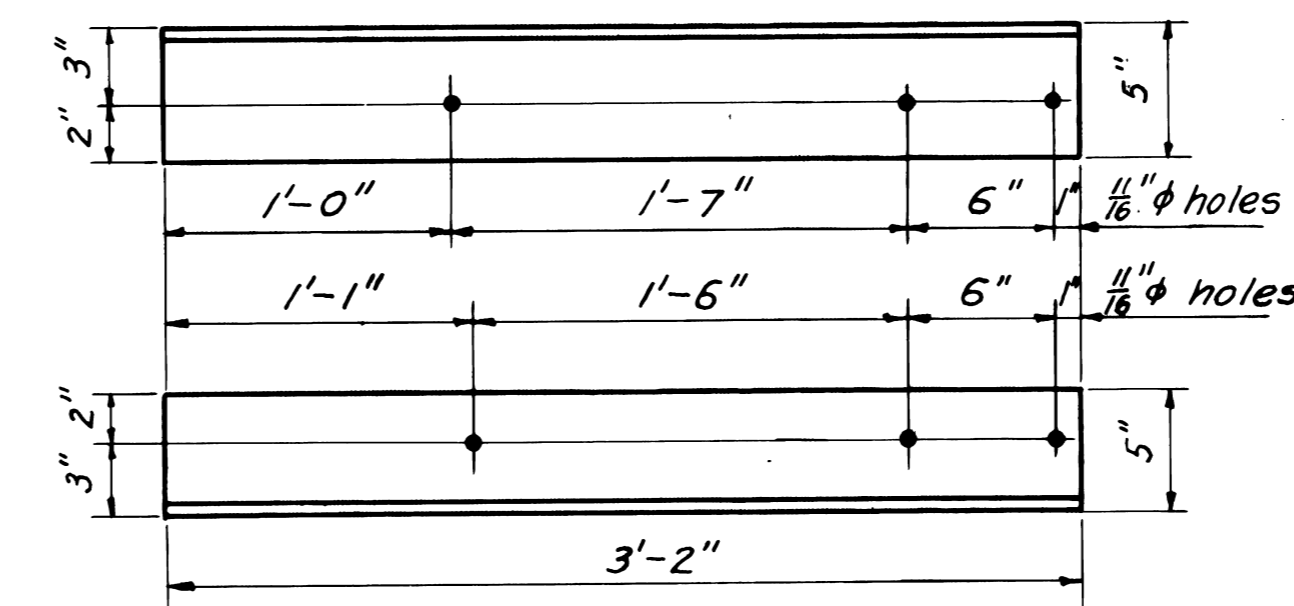


PLATE P-1

5" x 5" x 3/8" 3'-2" Angle
 Scale 1/2" = 1'-0"
 Make 4.

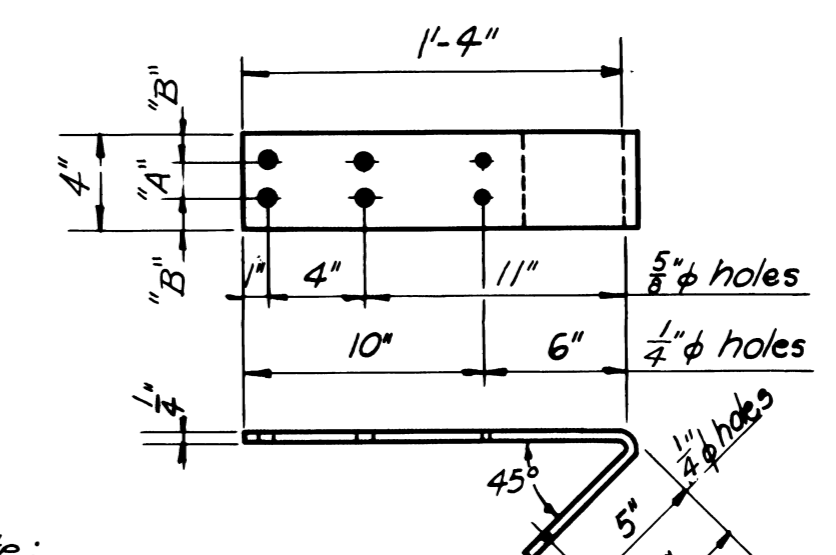


PLATE P-3

1/2" x 4" x 1'-10" Plate
 Scale 1/2" = 1'-0"
 Make 4

Note:
Dimension 'A' to suit dimension 'A' of wire rope clips, P5

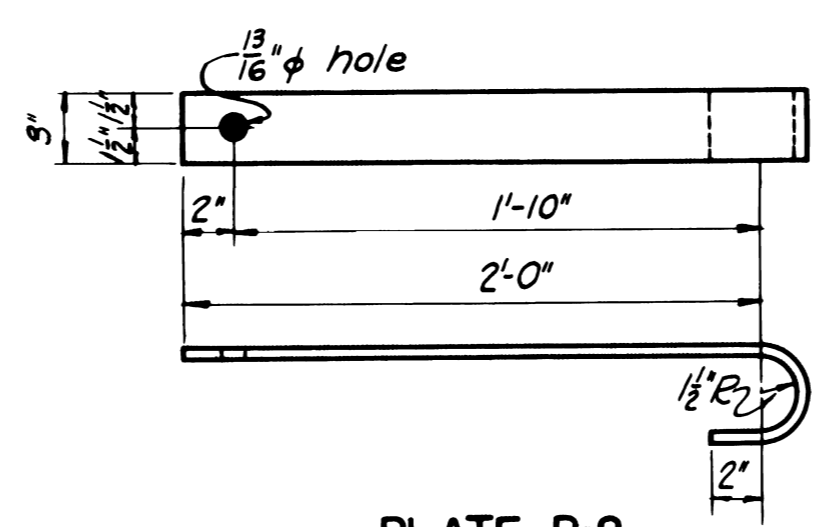


PLATE P-2

3/8" x 3" x 2'-6 3/8" Plate
 Scale 1/2" = 1'-0"
 Make 4

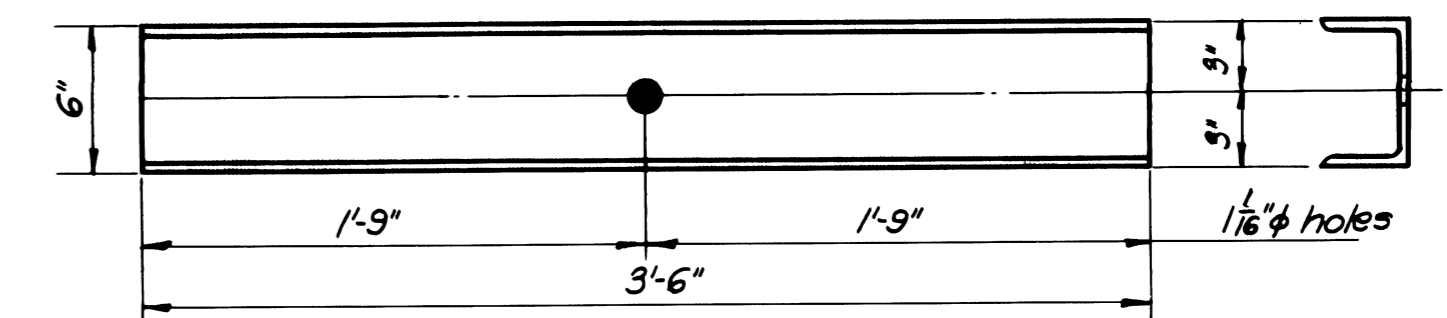
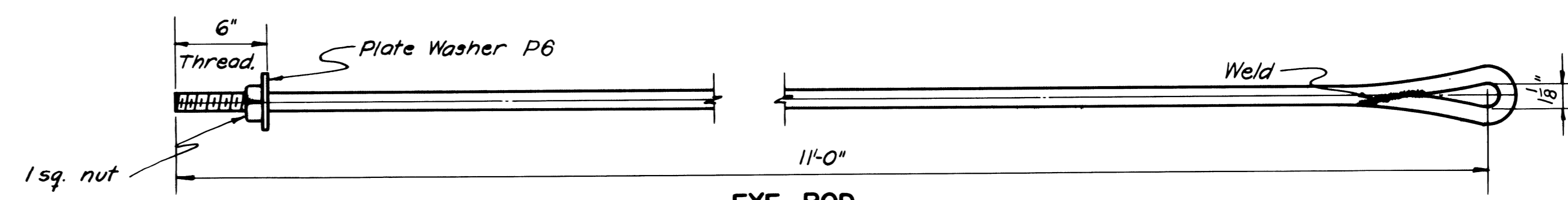


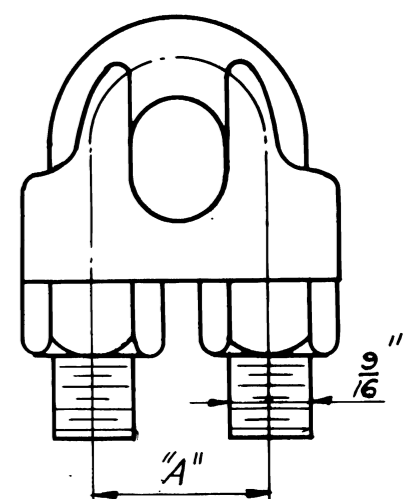
PLATE P-4

6" x 18" x 3'-6" Ship Channel
 Scale 1/2" = 1'-0"
 Make 4.



EYE ROD

1" diameter 11'-0"
 Scale 1/2" = 1'-0"
 Make 4
 Furnish 1 sq. nut with each rod.



P-5

Standard 5/8" Wire Rope Clip
 Must conform with the above dimensions
 Full Size
 Provide 32

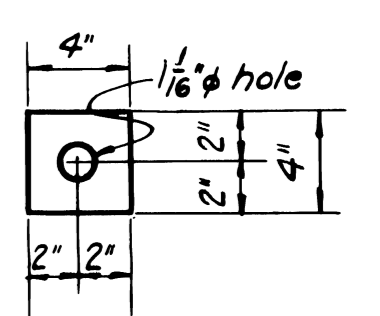


PLATE WASHER P6

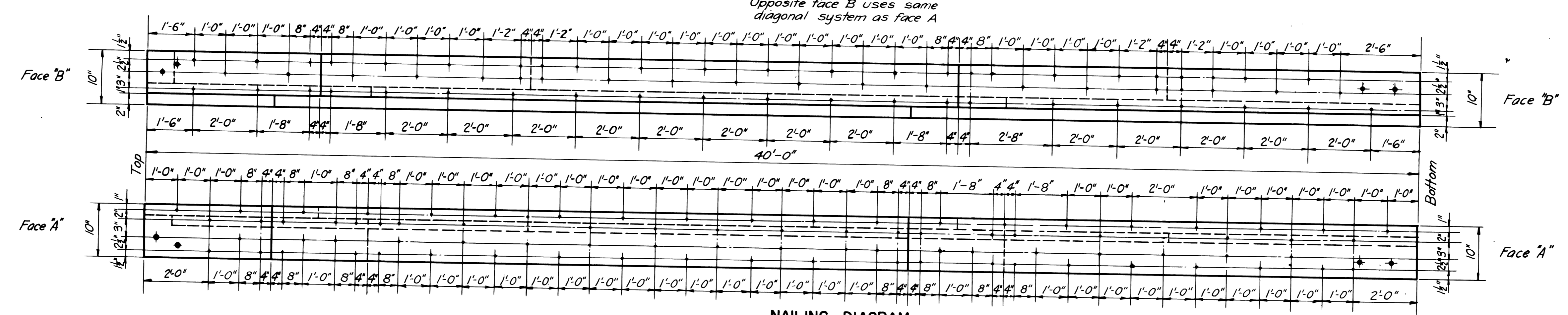
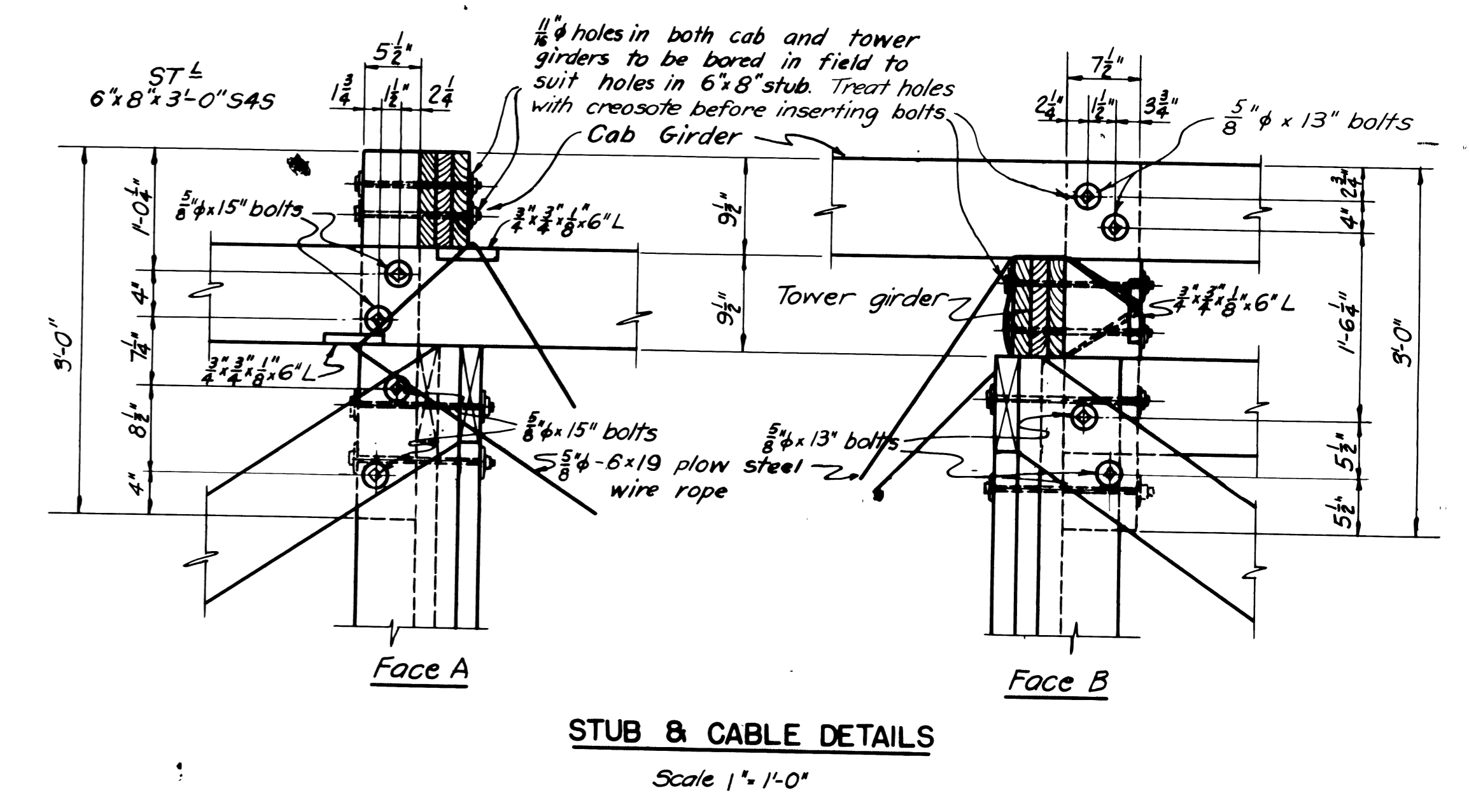
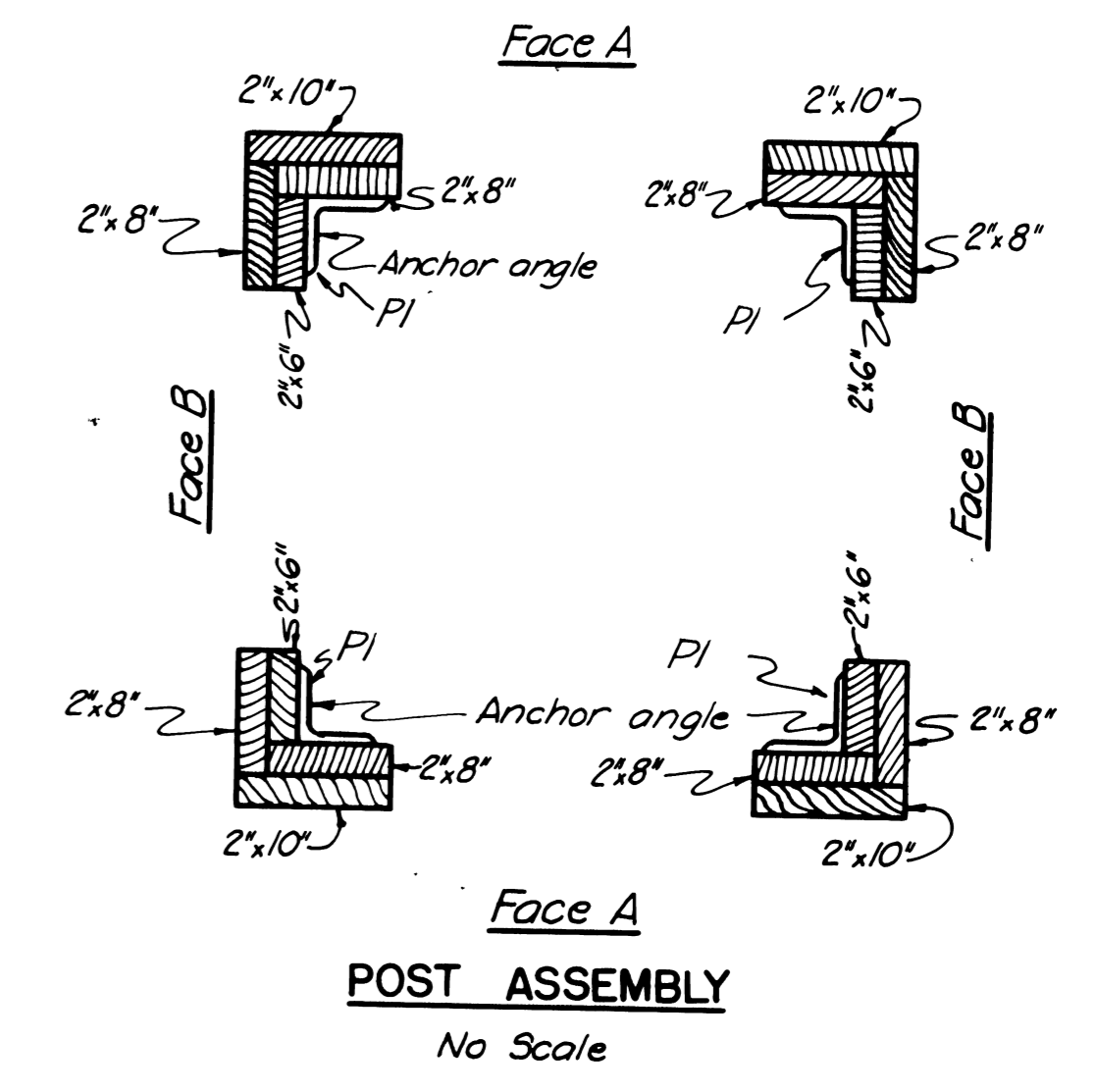
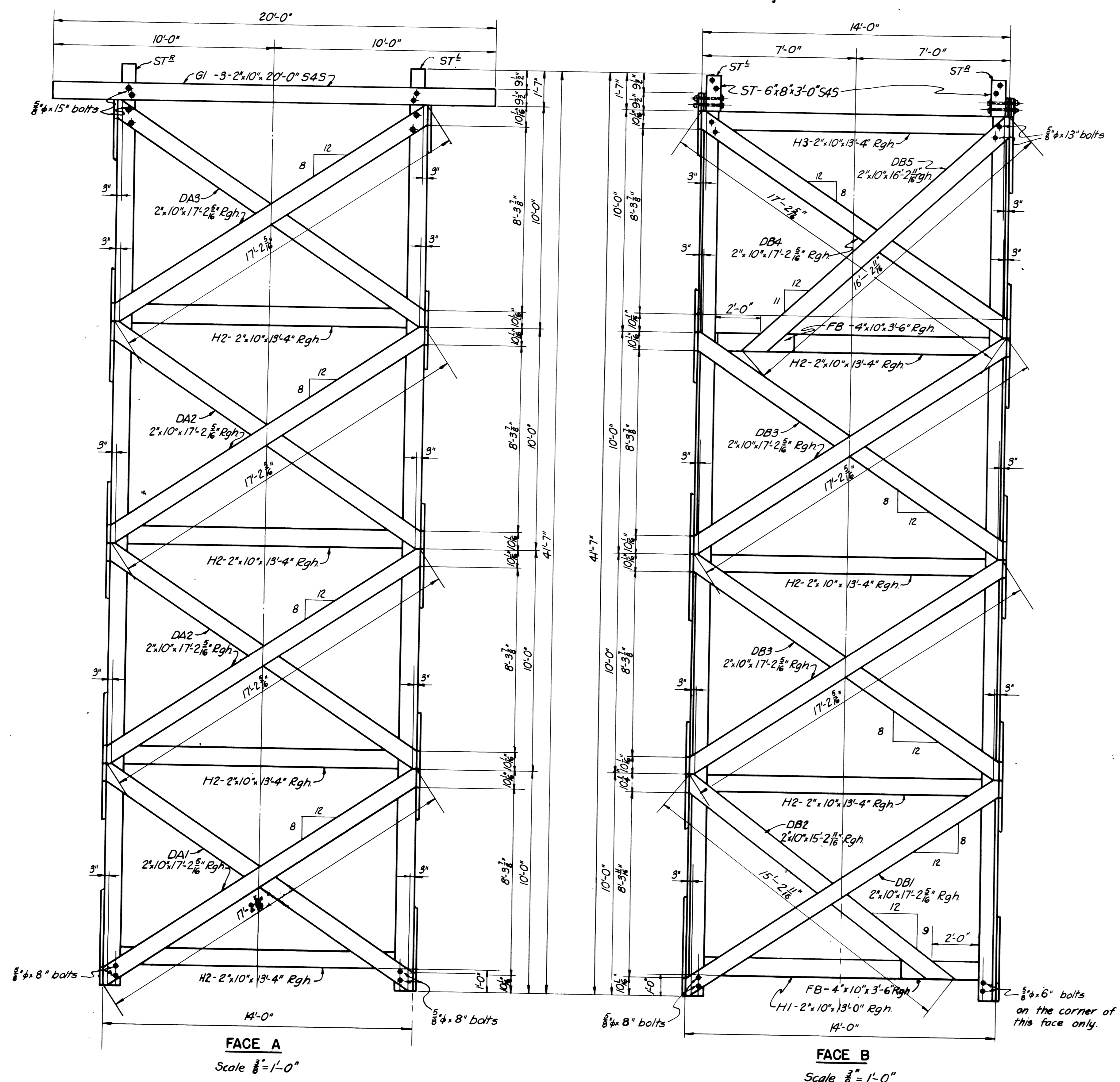
1/2" x 4" x 4" Plate
 Scale 1/2" = 1'-0"
 Make 4.

Revised 5-10-54 by B.D.E. (Sub Stk)
 Revised 10-2-39 by A.S., W.G.
 Revised 3-8-39 by W.G.
 P-3, P-5, size of guy cable from 1/2"

**U. S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE**
 REGION SIX J. FRANKLAND REGIONAL ENGINEER

**STANDARD LOOKOUT TOWER
 40-FOOT TYPE CT-3
 FOUNDATION DETAILS**

DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
 SCALE AS NOTED CHECKED W.G.
 APPROVED DATE JAN 1954
 REGIONAL FORESTER



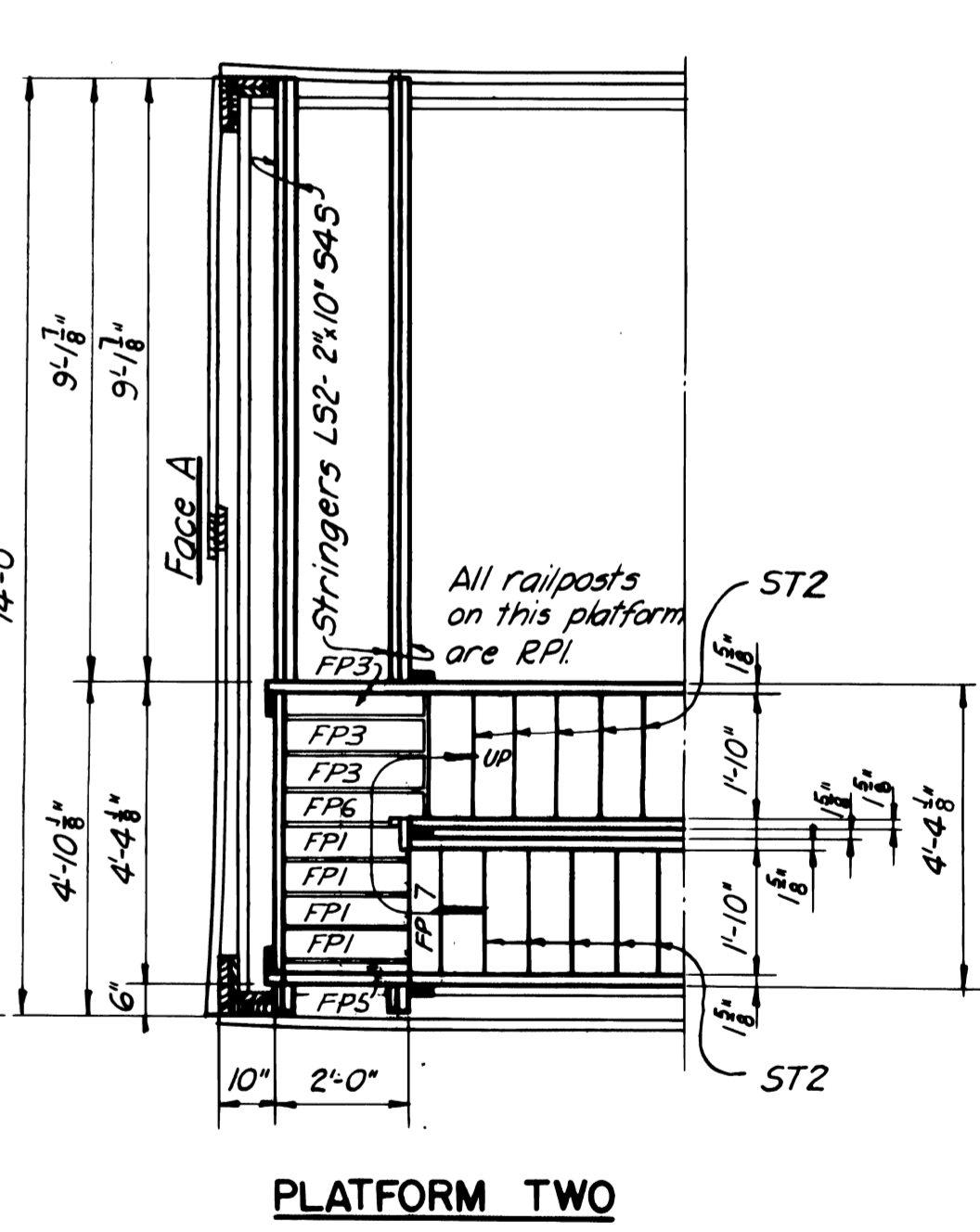
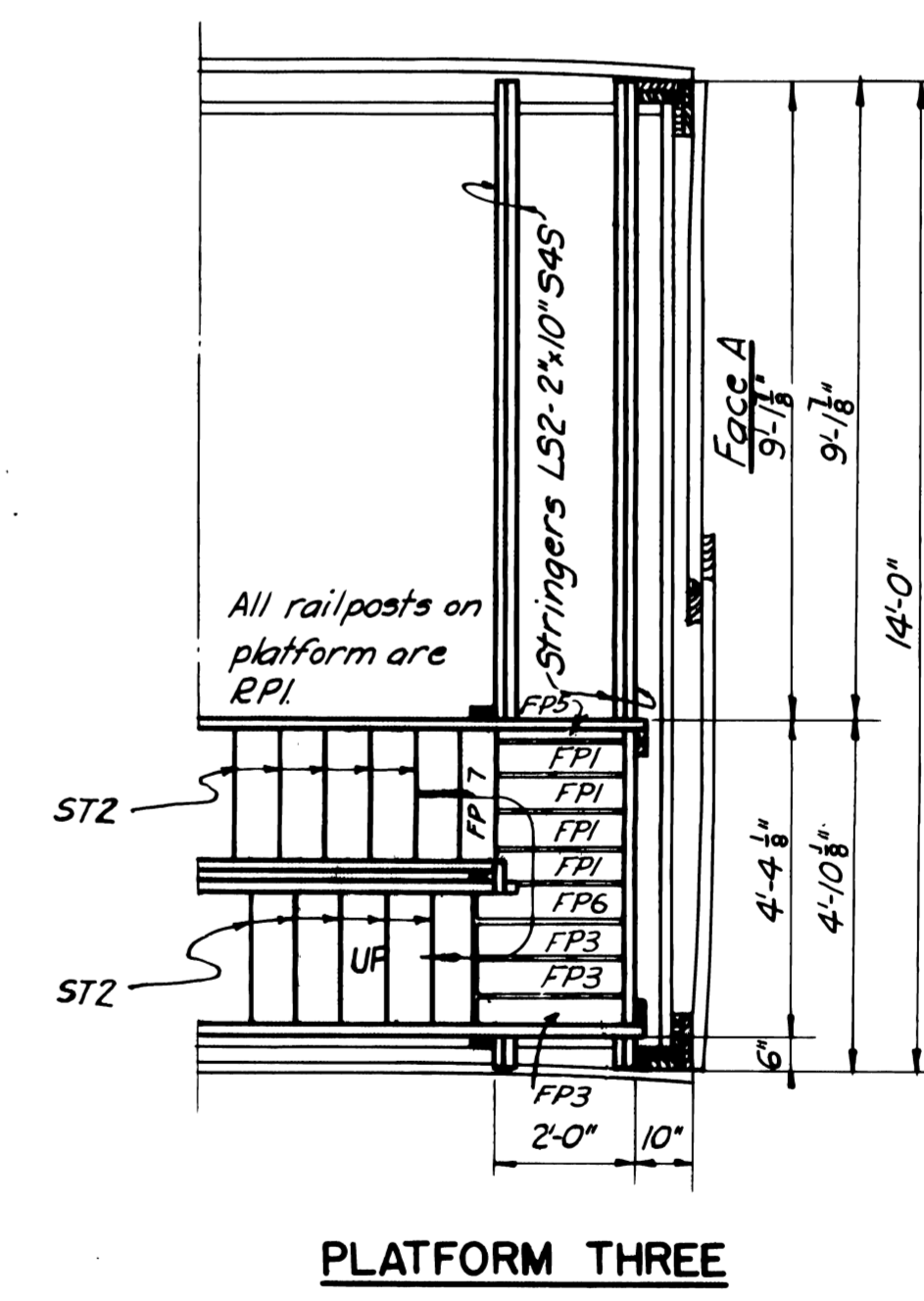
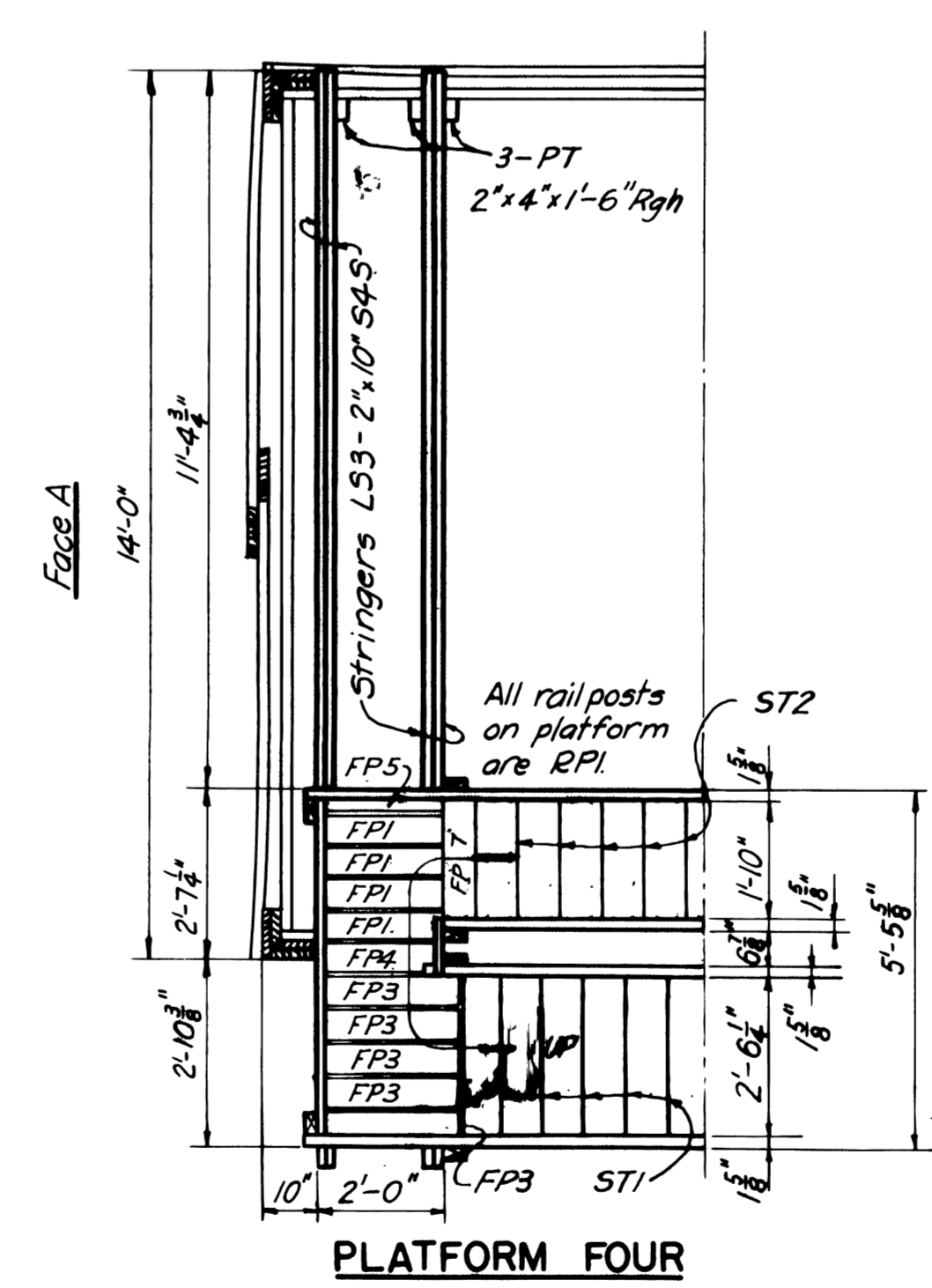
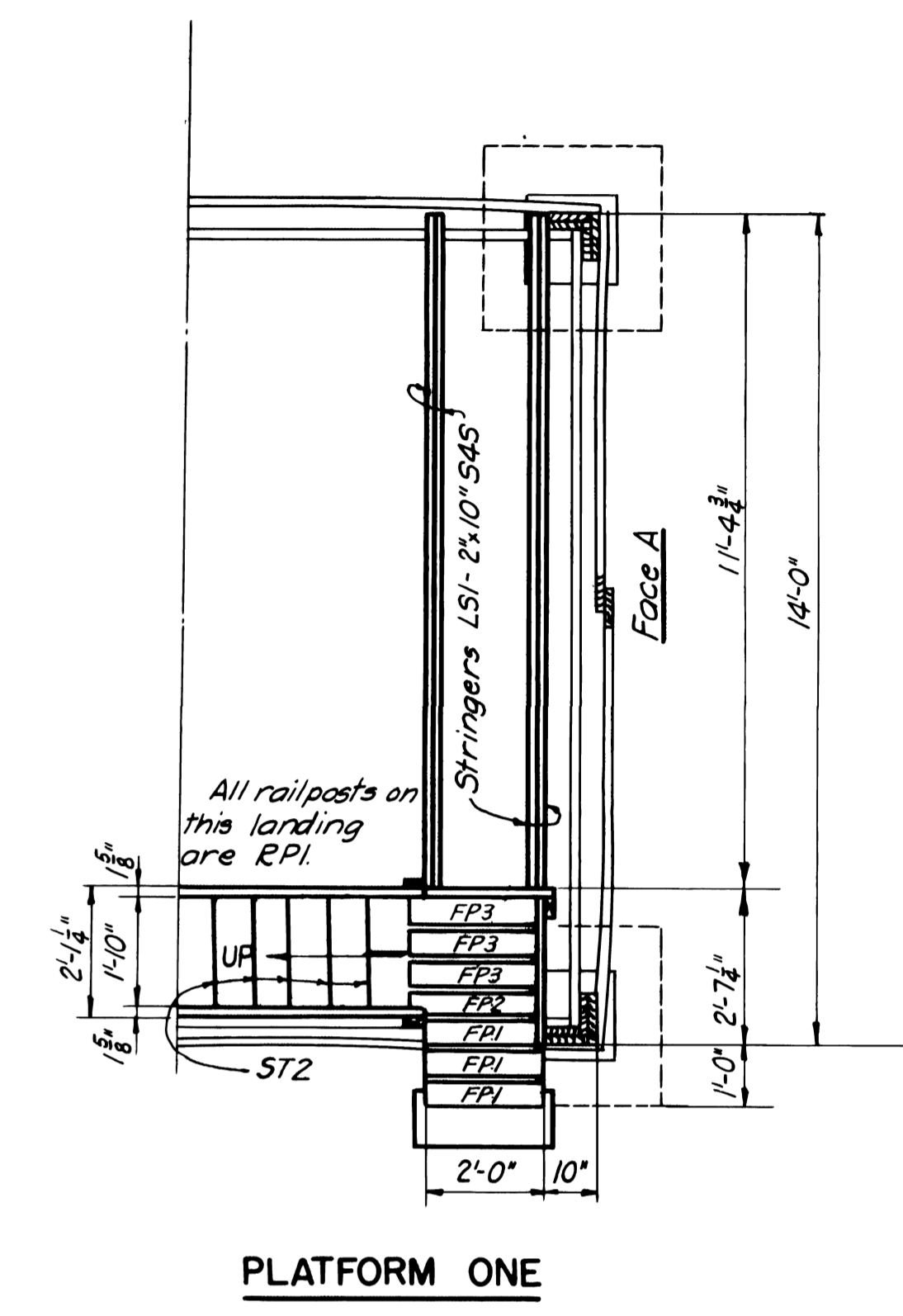
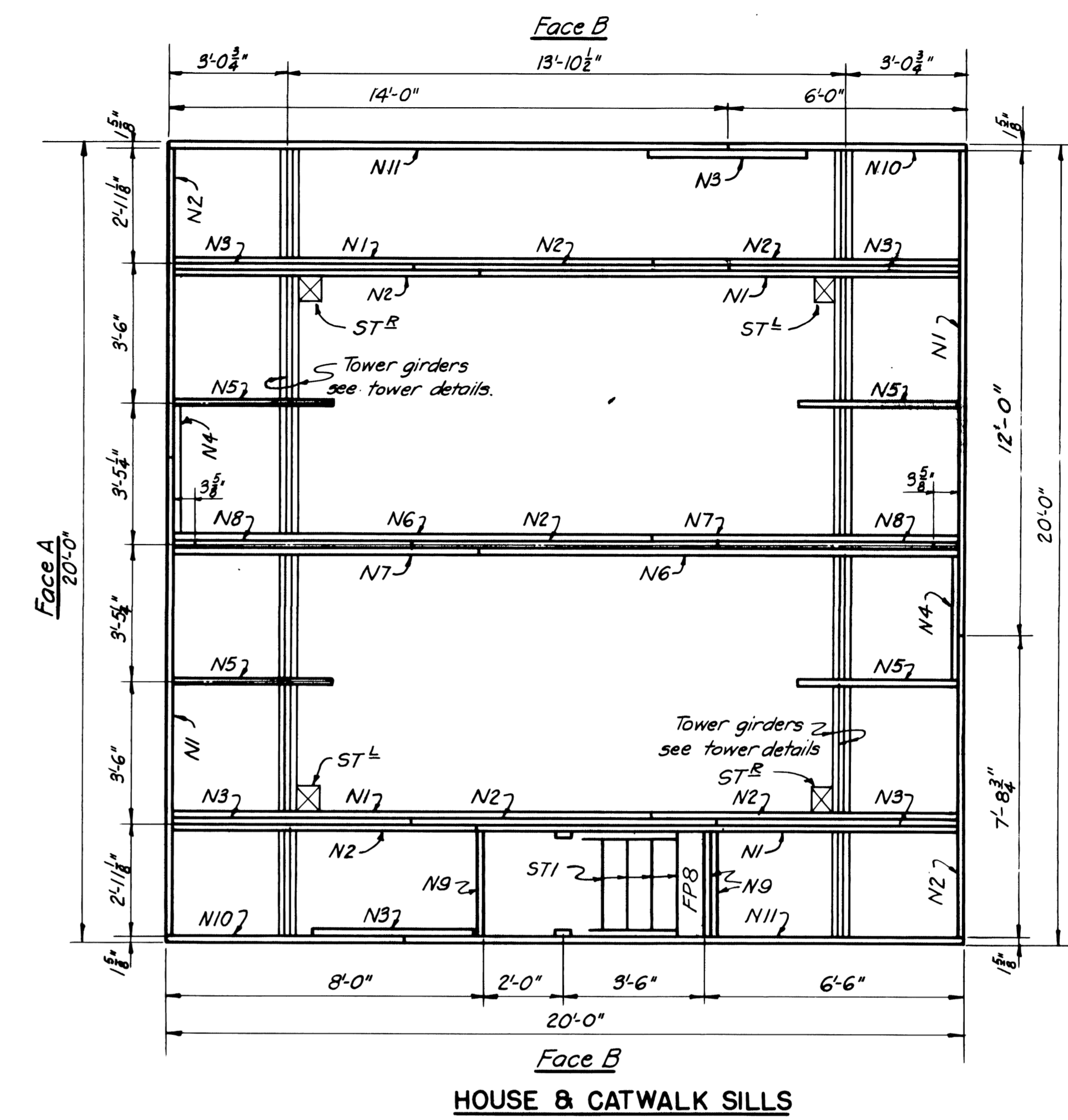
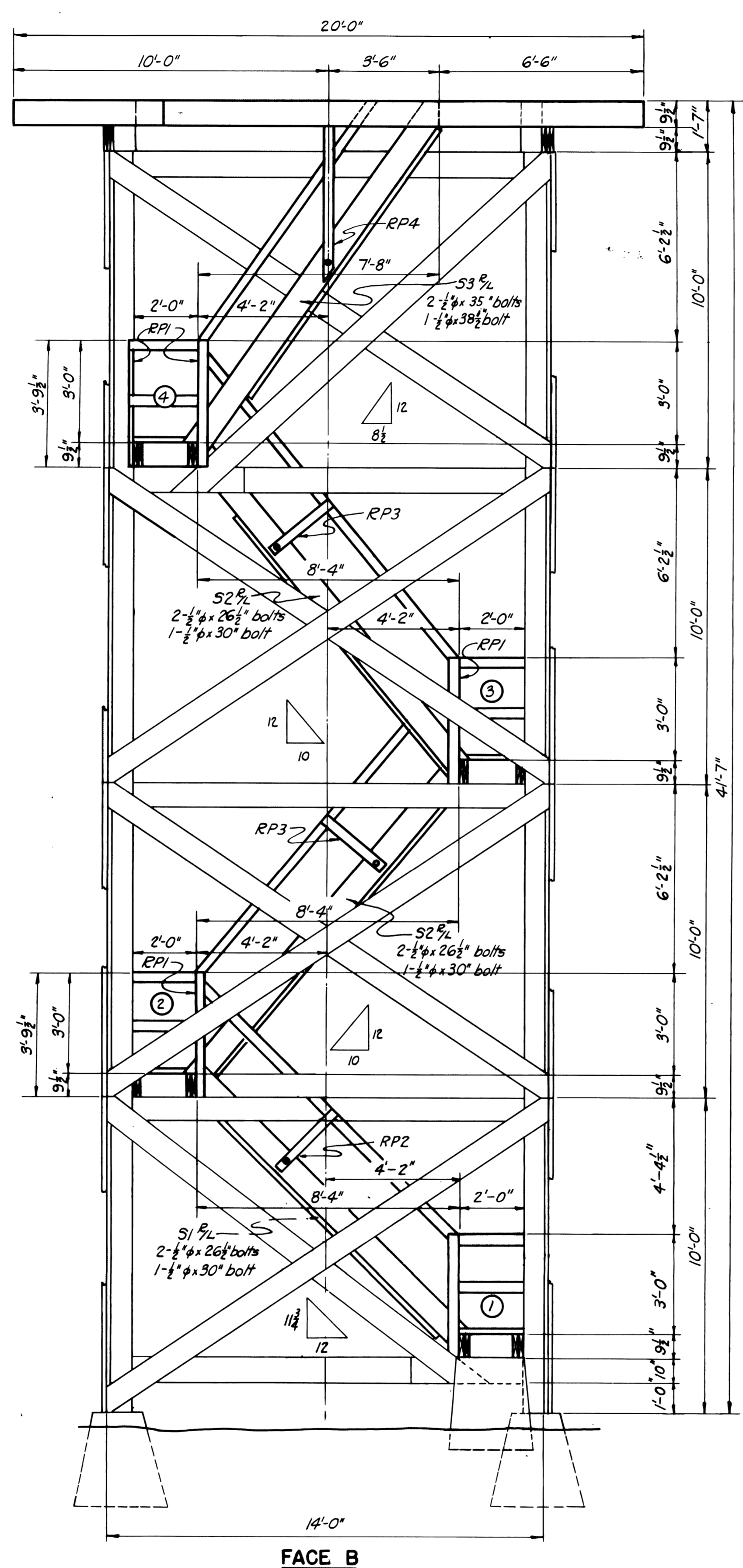
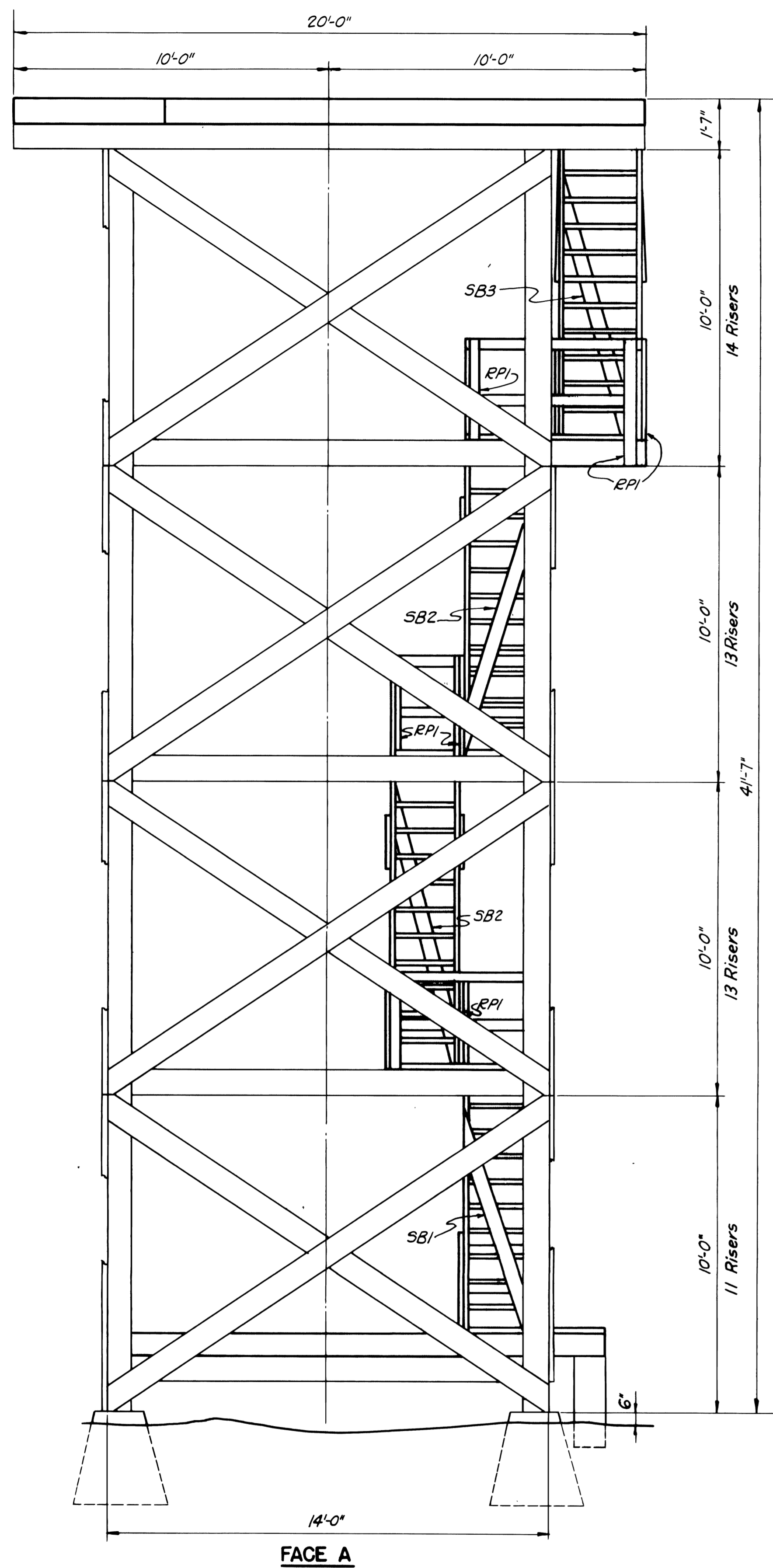
Revised 10-2-39 by A.S./W.G.
Revised 3-8-39 by W.G.
Size of cable from 1/2"

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION SIX J. FRANKLAND REGIONAL ENGINEER

**STANDARD LOOKOUT TOWER
40-FOOT TYPE CT-3
GENERAL PLAN**

DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
SCALE NOTED CHECKED W.G.
APPROVED DATE FEBRUARY 1939
ASSISTANT FORESTER

LTL 11202193902 SHEET 2 OF 2 L-11202



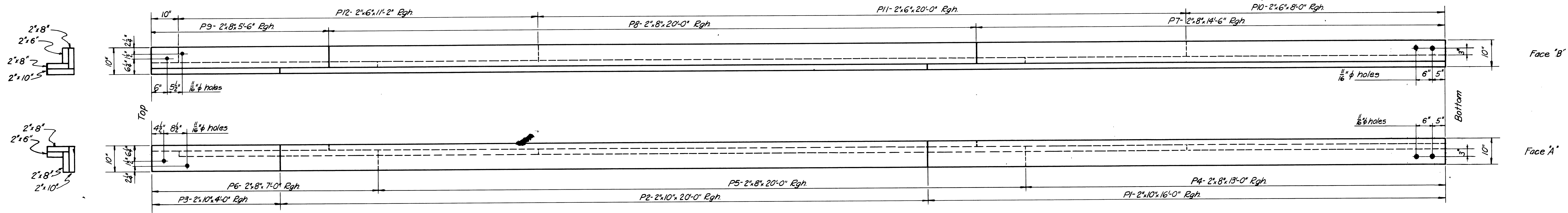
Revised 10-3-39 by A.S./W.G.

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

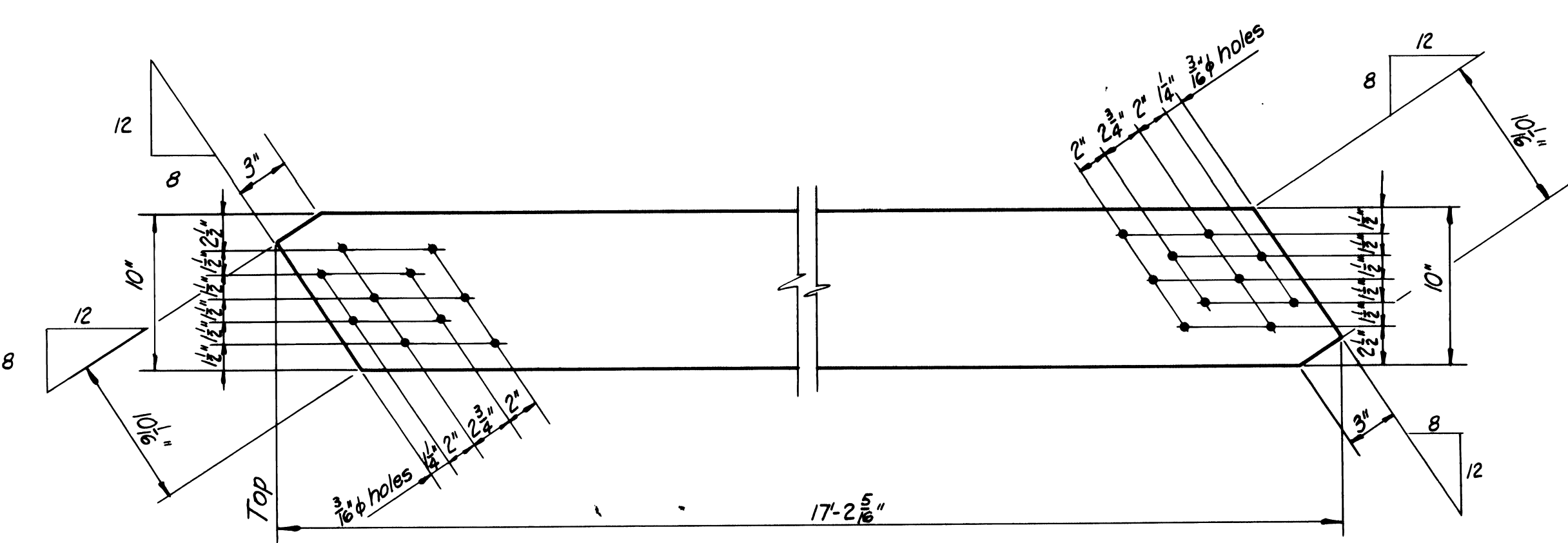
REGION SIX J. FRANKLAND REGIONAL ENGINEER

STANDARD LOOKOUT TOWER
40-FOOT TYPE CT-3
STAIR LAYOUT

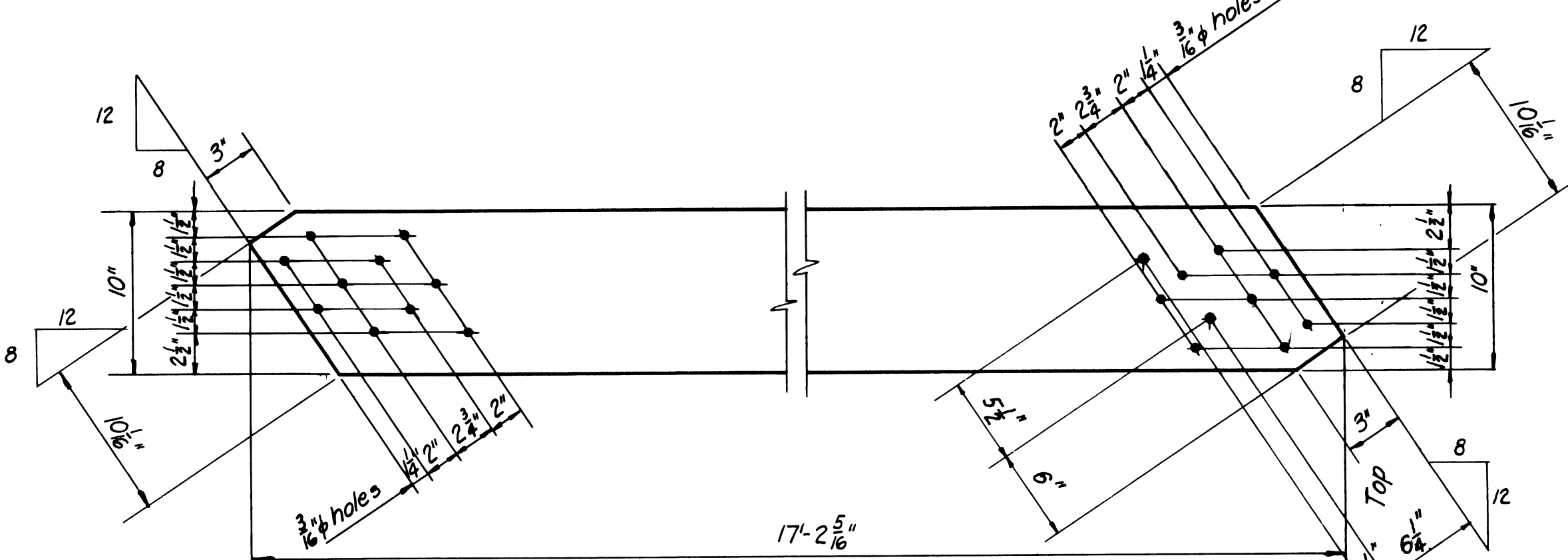
DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
SCALE 3/8"=1'-0" CHECKED W.G.
APPROVED DATE FEBRUARY 1938
ASSISTANT REGIONAL ENGINEER



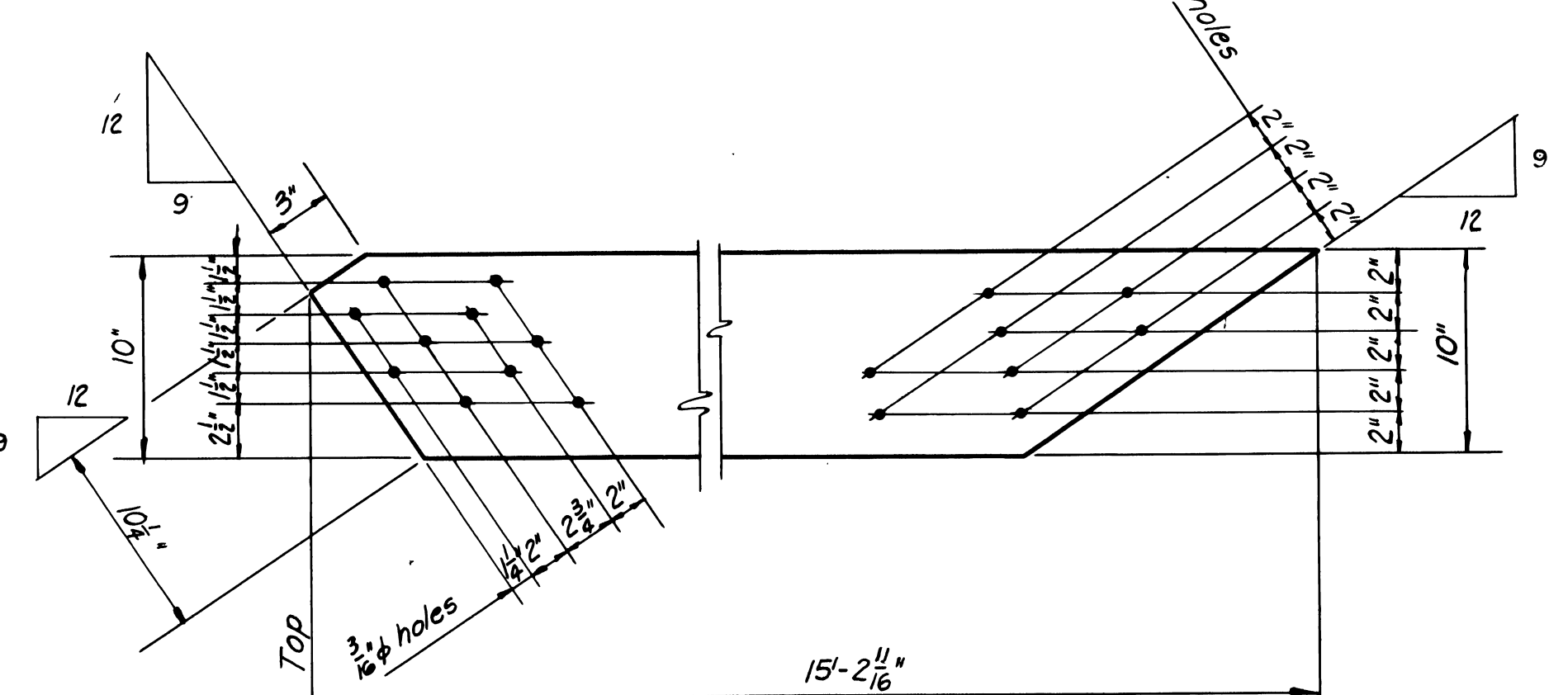
Posts
 Make 2 as shown
 Make 2 opp hand
 Scale 1/2"=1'-0"



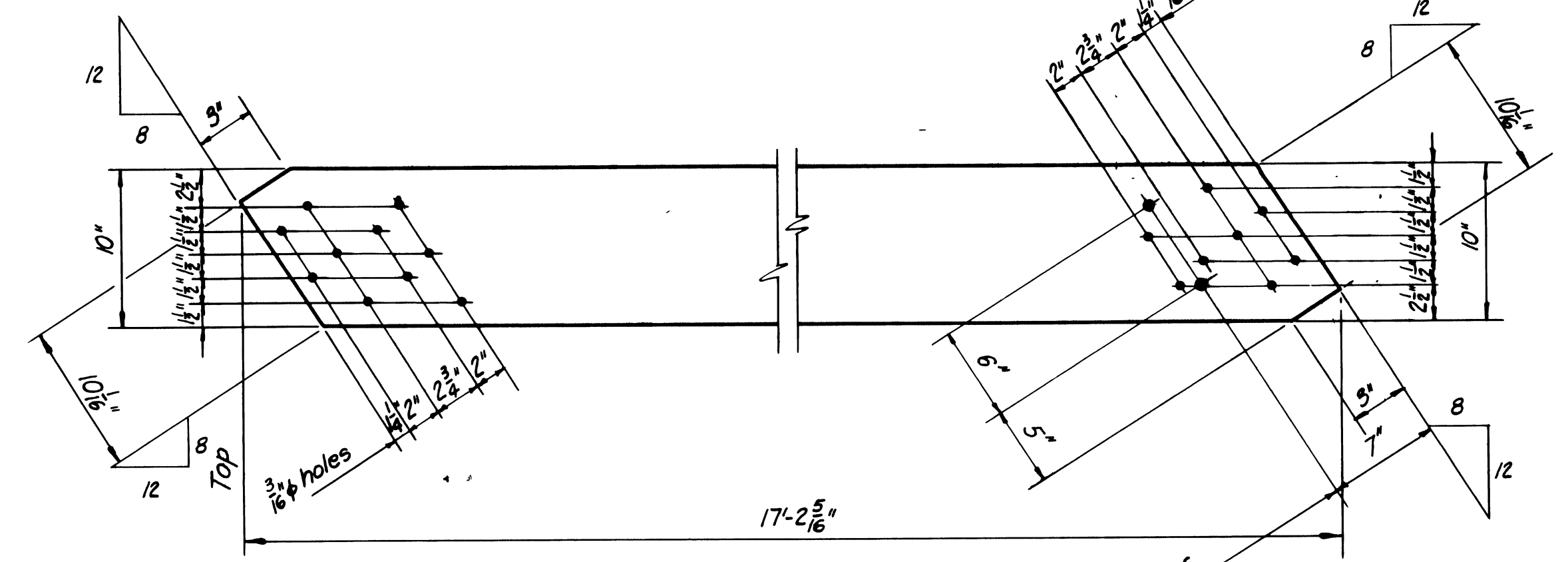
Diagonal DA2
 2x10x17'-2 5/16" Rgh
 Make 8
 Scale 1/2"=1'-0"



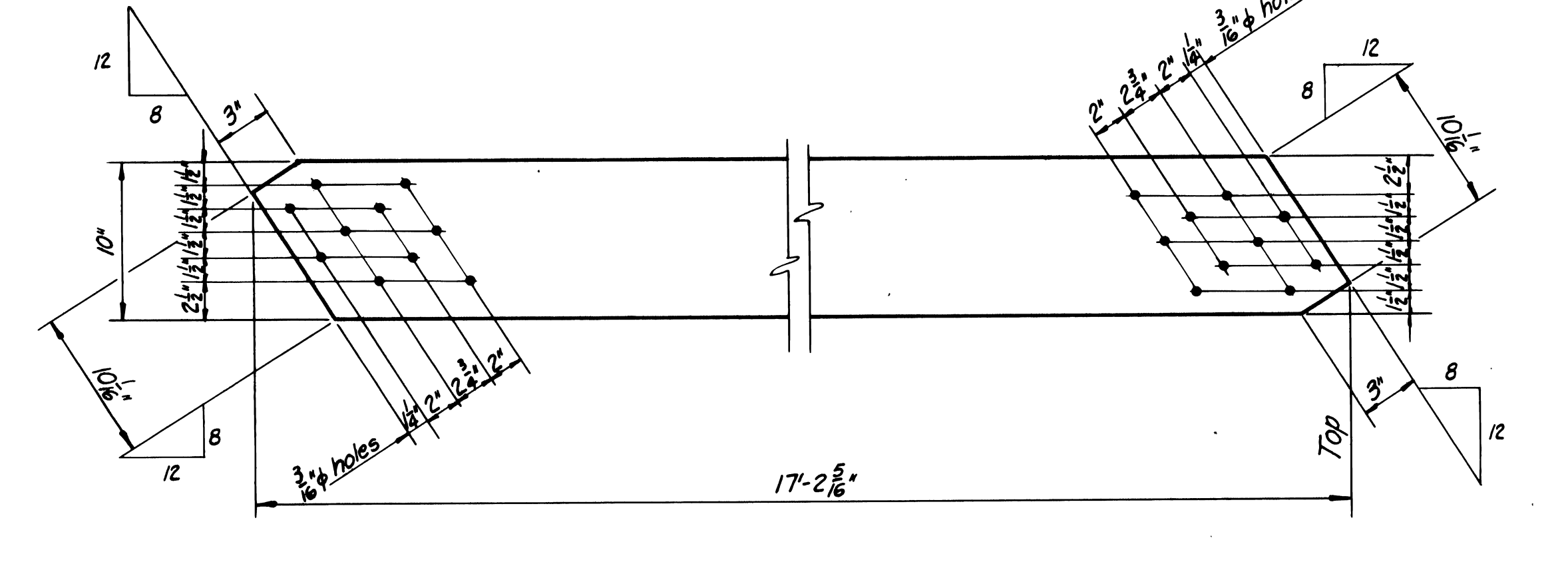
Diagonal DB4
 2x10x17'-2 5/16" Rgh
 Make 3
 Scale 1/2"=1'-0"



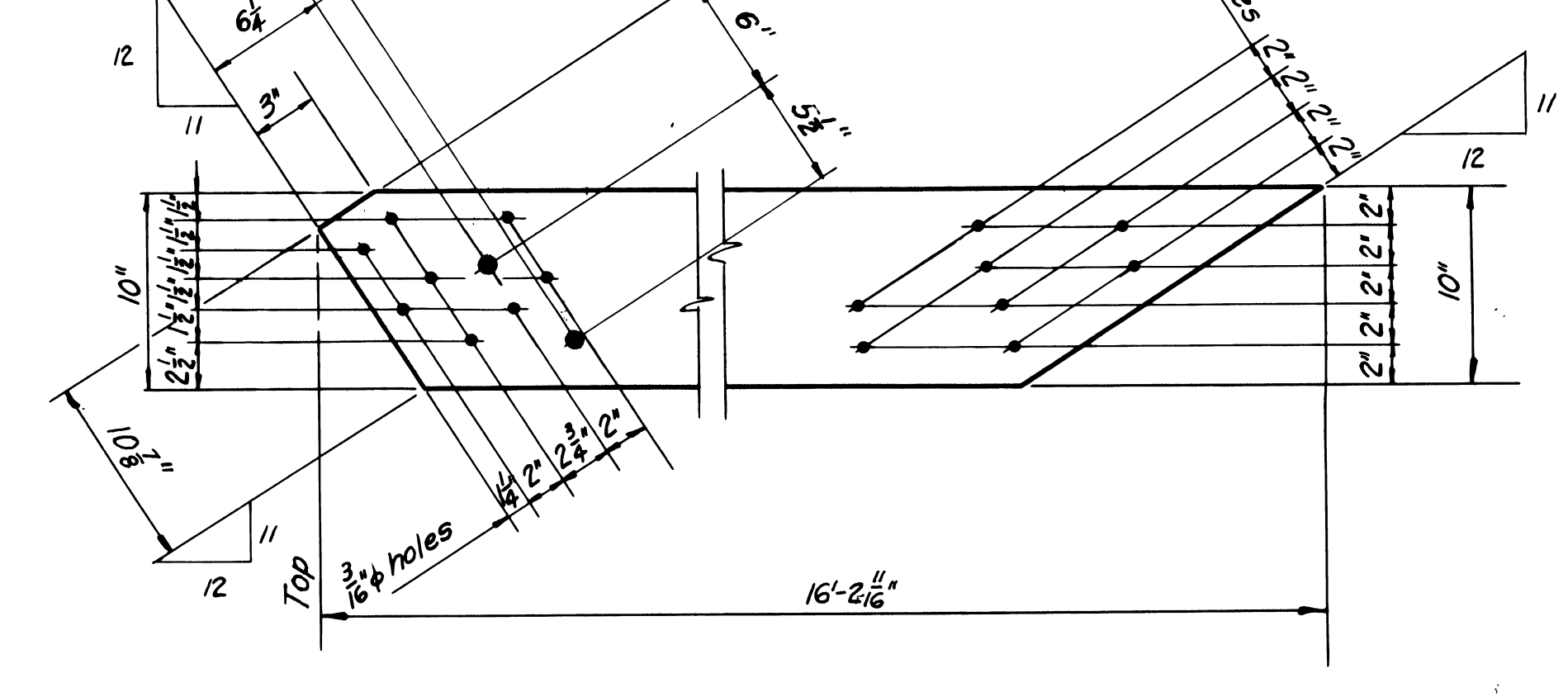
Diagonal DB2
 2x10x15'-2 1/16" Rgh
 Make 1
 Scale 1/2"=1'-0"



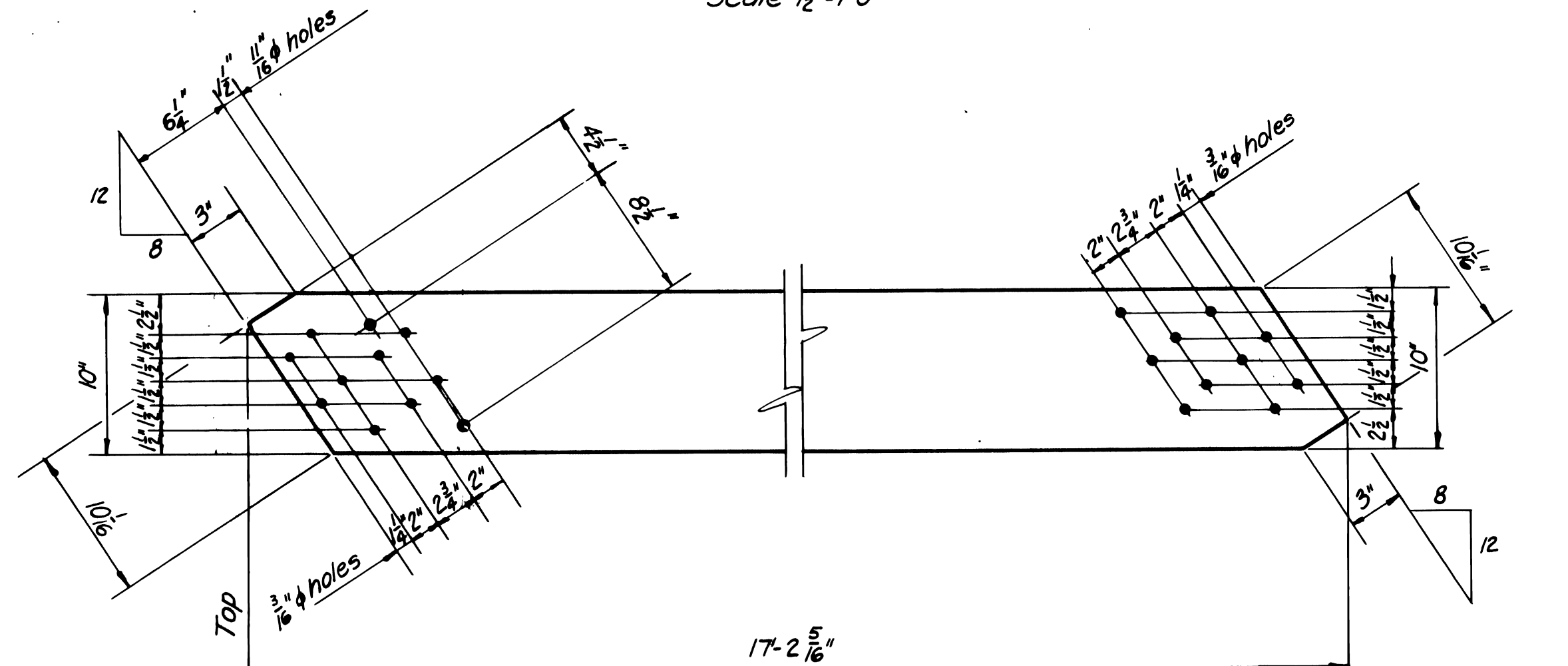
Diagonal DA1
 2x10x17'-2 5/16" Rgh
 Make 4
 Scale 1/2"=1'-0"



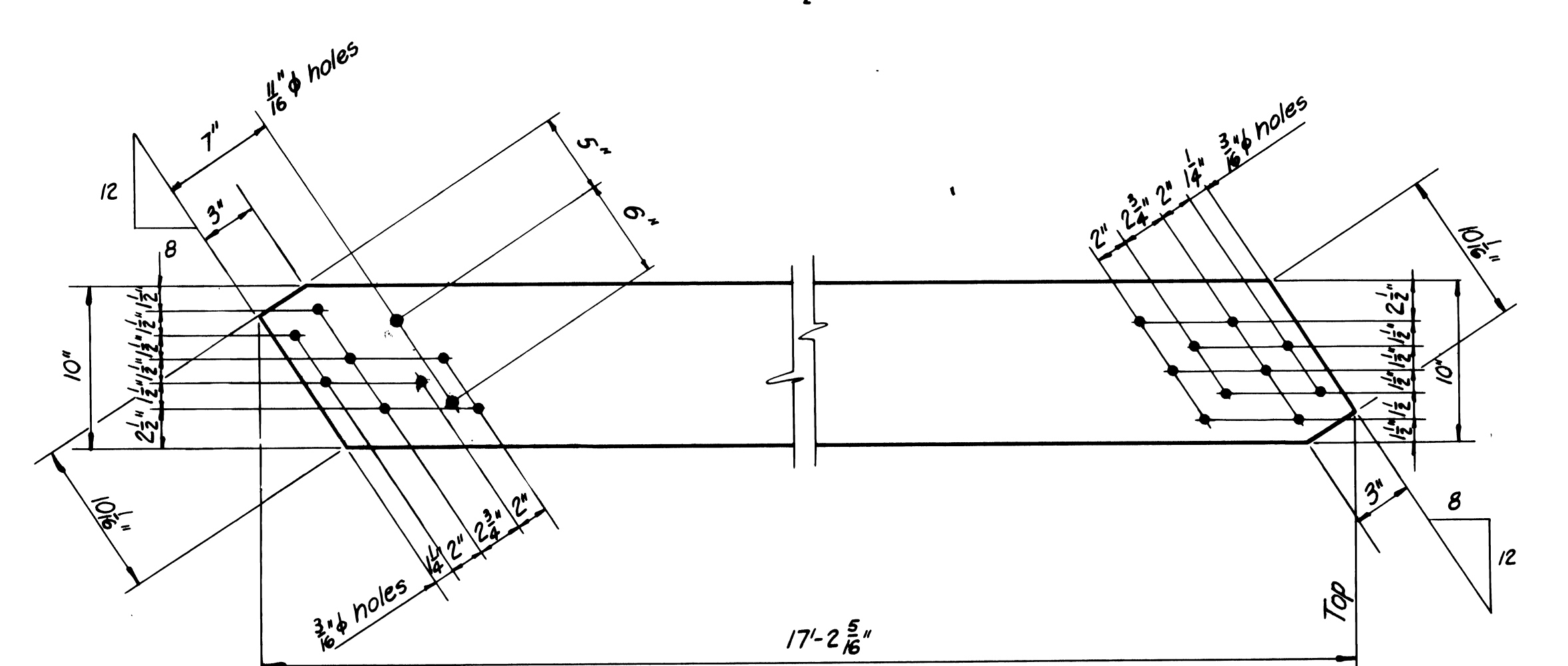
Diagonal DB3
 2x10x17'-2 5/16" Rgh
 Make 8
 Scale 1/2"=1'-0"



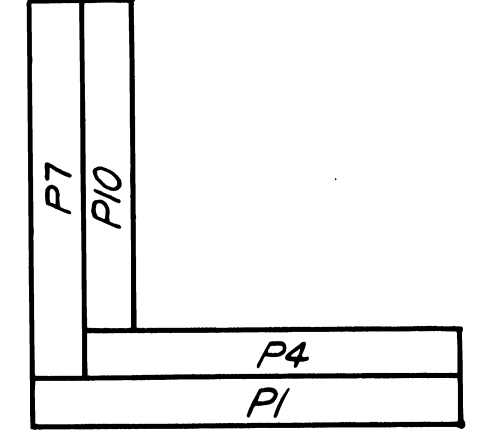
Diagonal DB5
 2x10x16'-2 1/16" Rgh
 Make 1
 Scale 1/2"=1'-0"



Diagonal DA3
 2x10x17'-2 5/16" Rgh
 Make 4
 Scale 1/2"=1'-0"



Diagonal DB1
 2x10x17'-2 5/16" Rgh
 Make 3
 Scale 1/2"=1'-0"

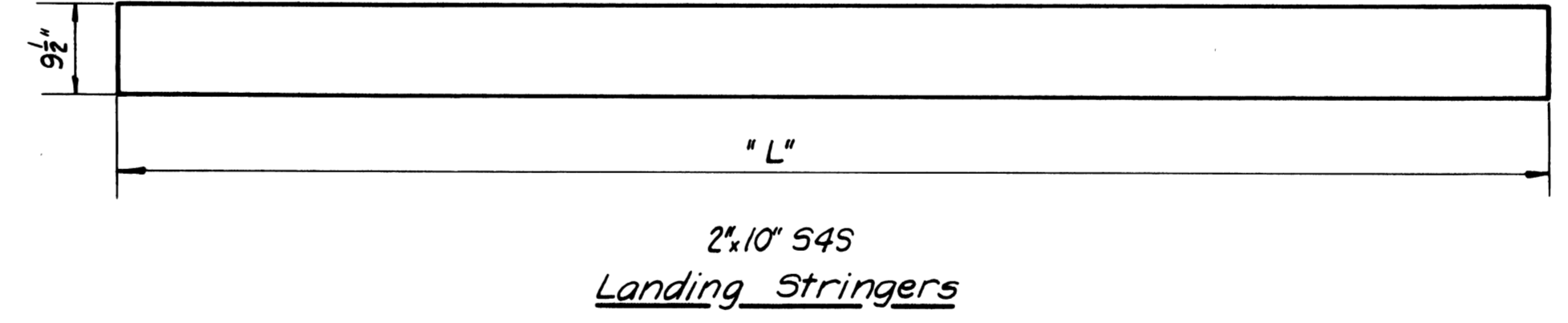
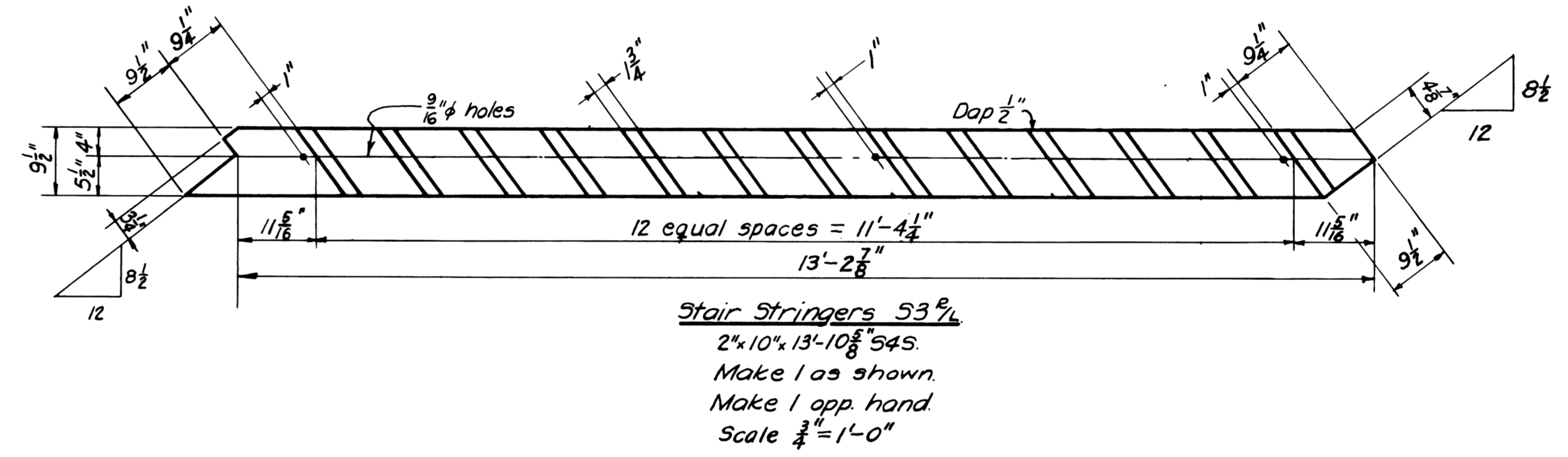
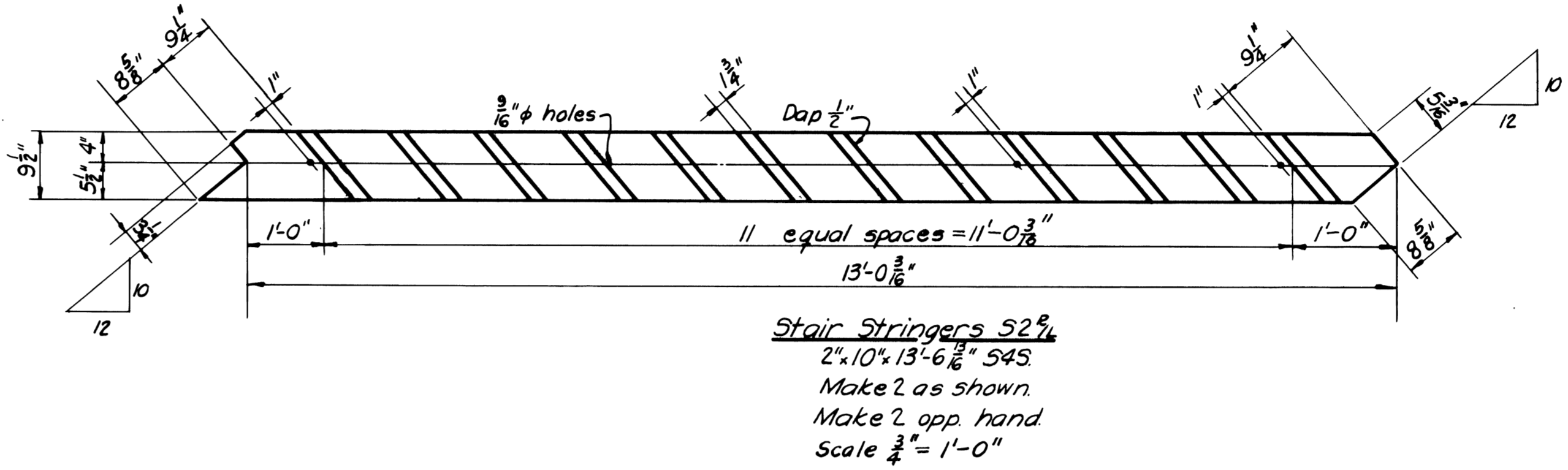
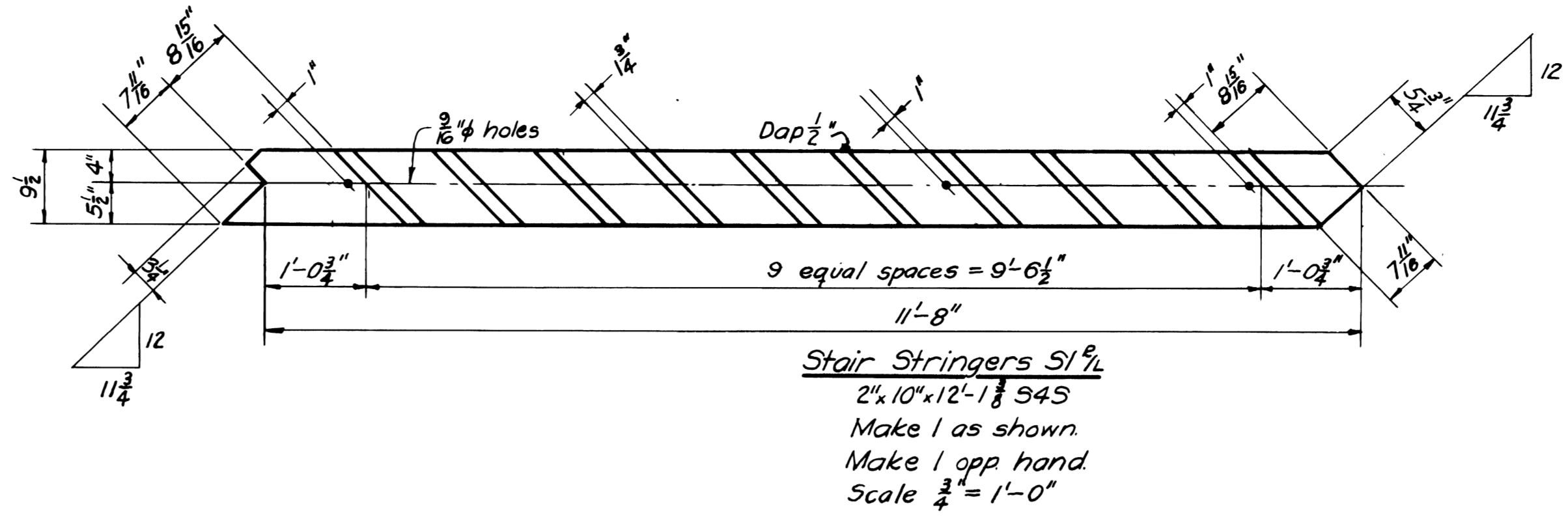
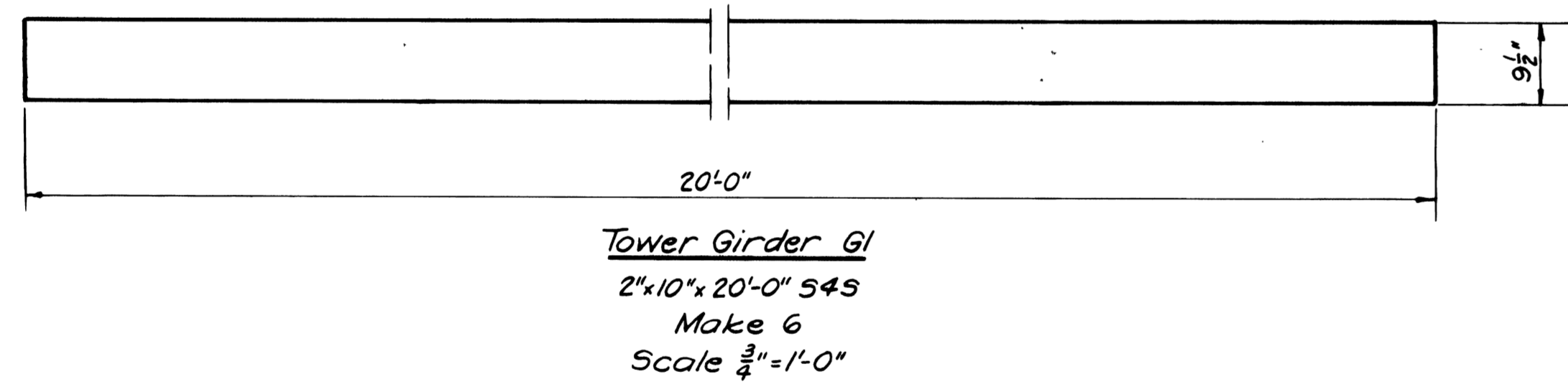
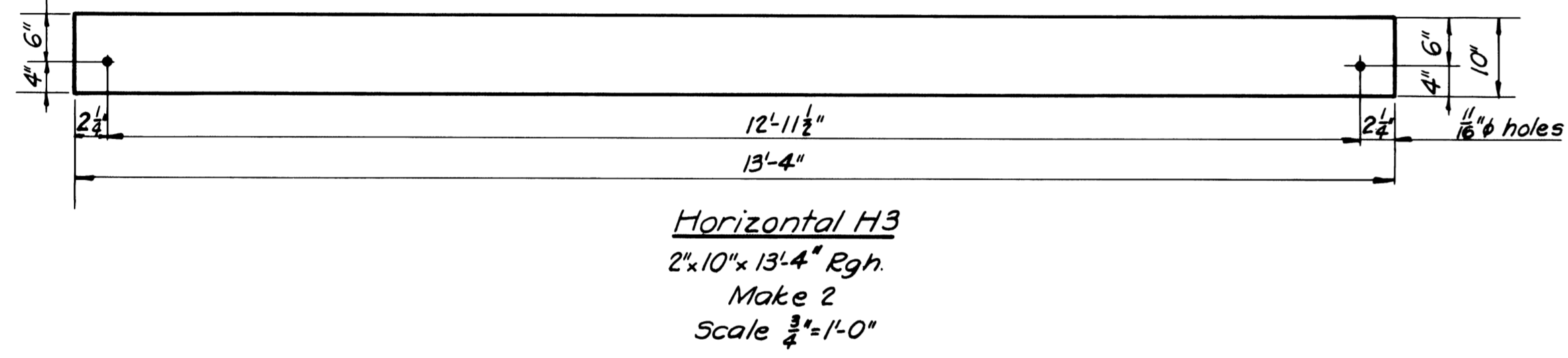
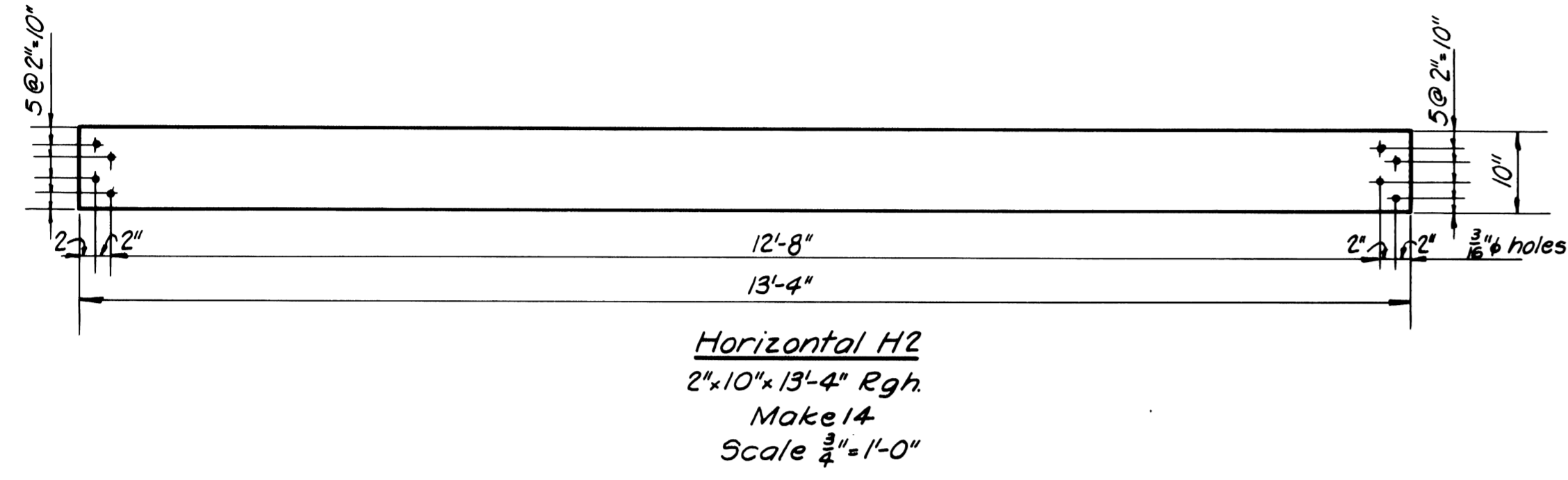
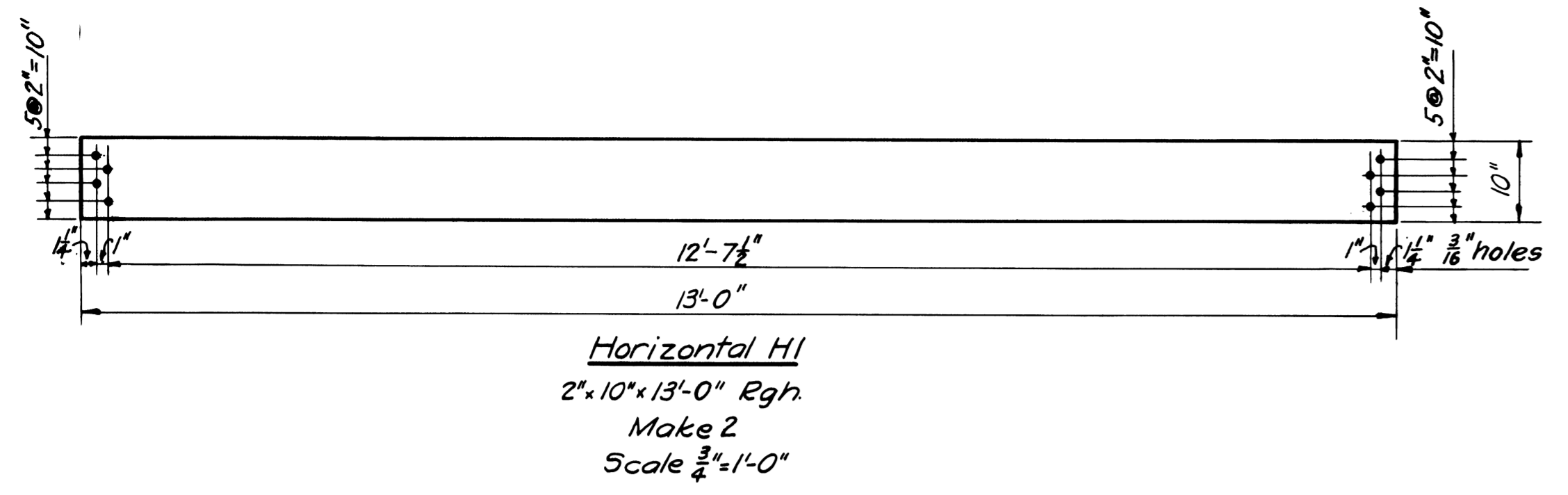


Note to shop: 1/16" holes to be bored with starter pieces (P1, P4, P7, & P10) assembled. Two columns to be assembled as shown above & two opposite hand. After boring, starter pieces to be matchmarked (A, B, C, & D for each of the four assembled posts respectively) for erection.

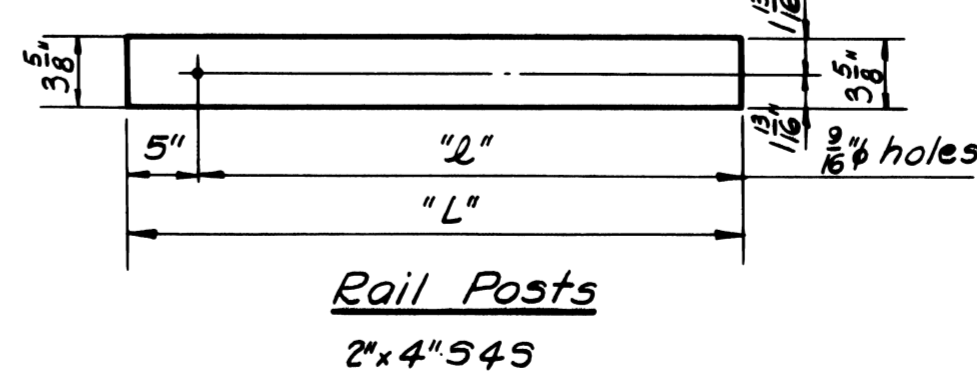
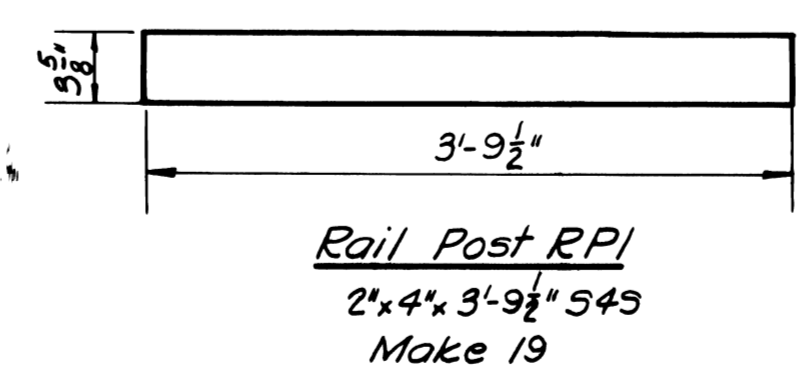
U. S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION SIX J. FRANKLAND REGIONAL ENGINEER

STANDARD LOOKOUT TOWER
 40-FOOT TYPE CT-3
 SHOP DETAILS

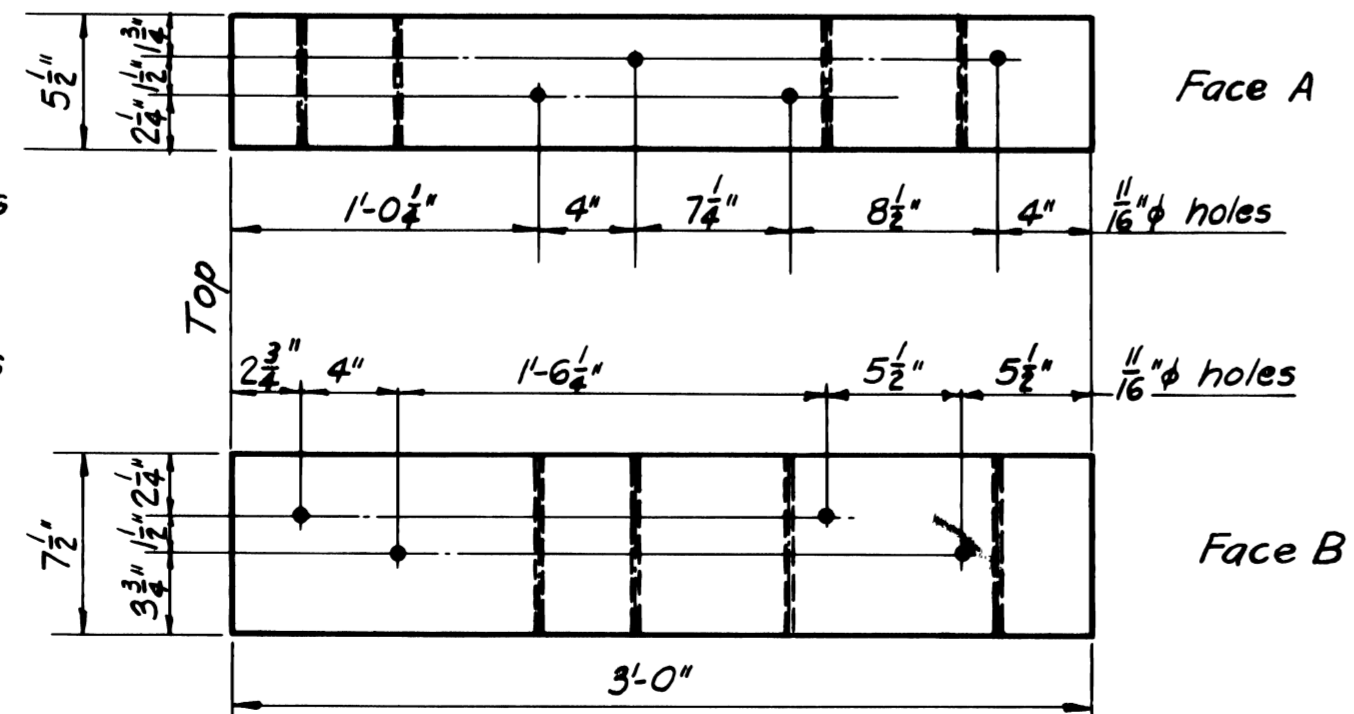
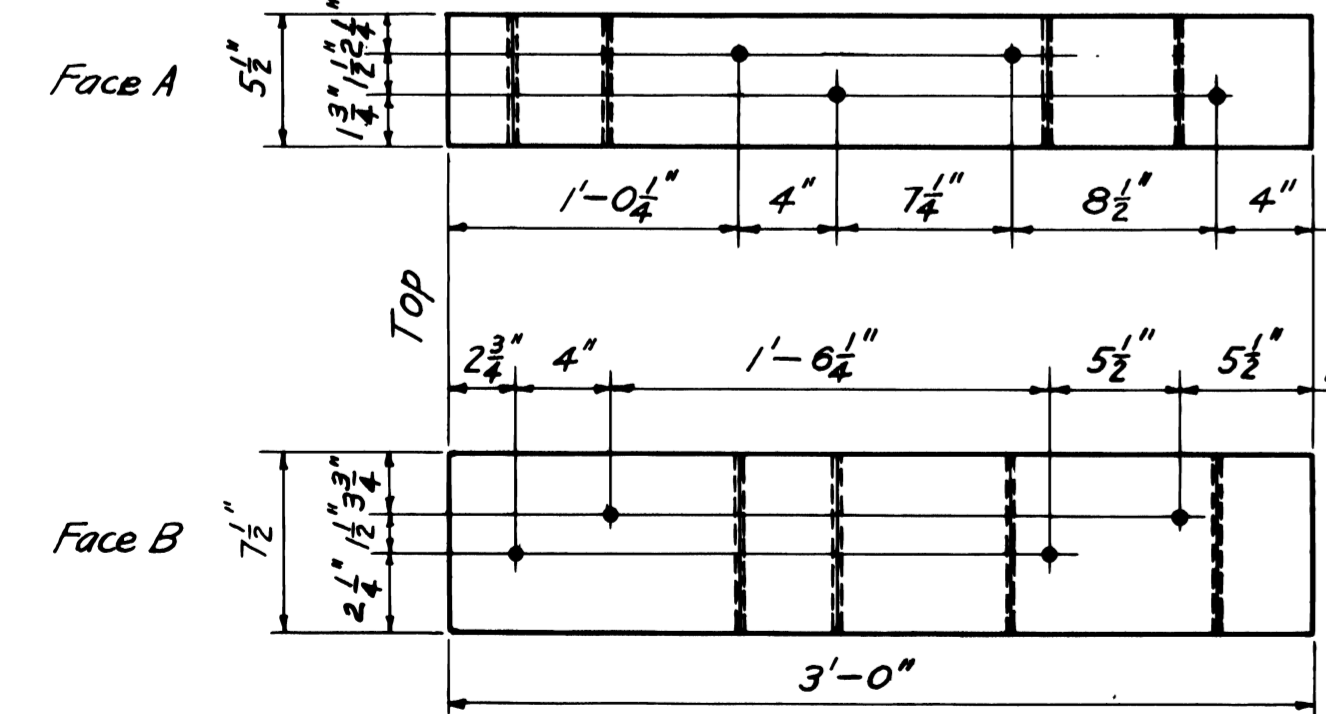
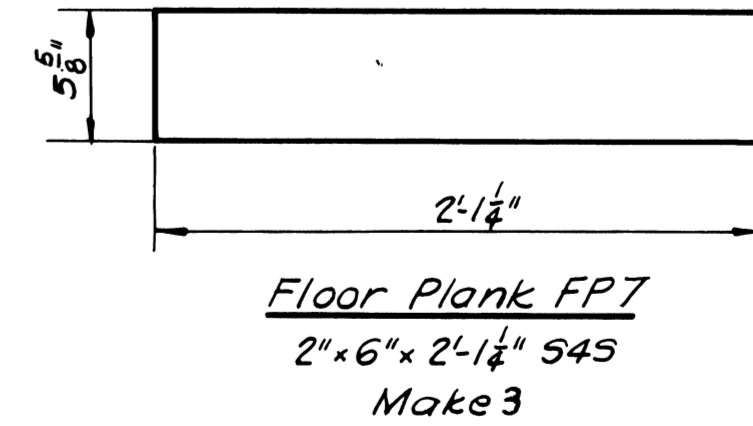
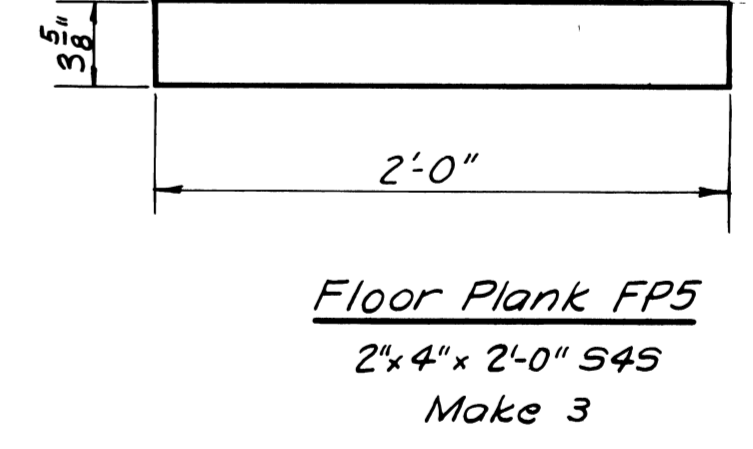
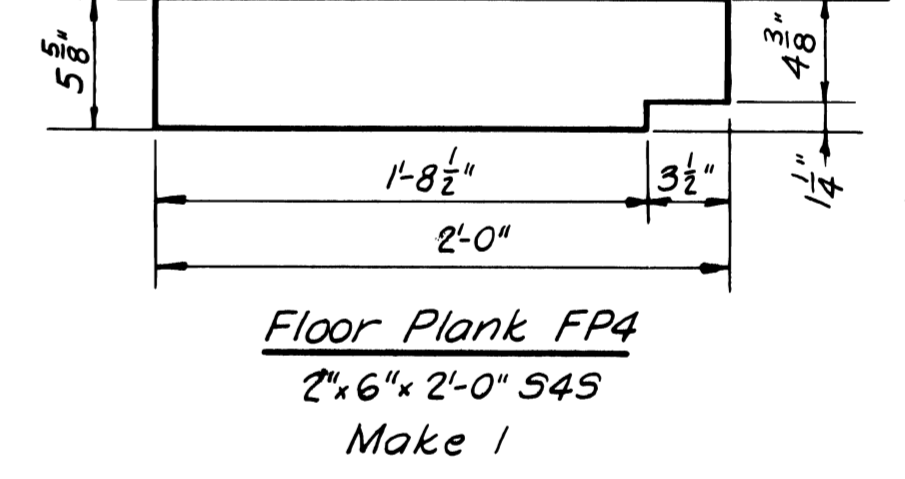
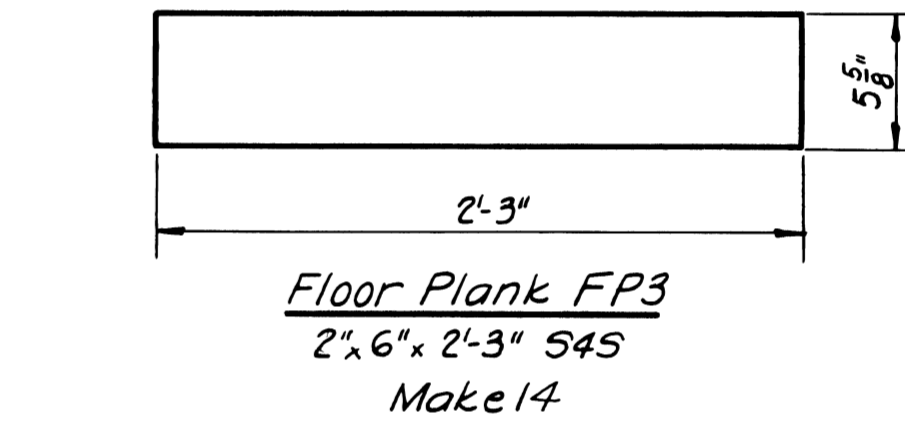
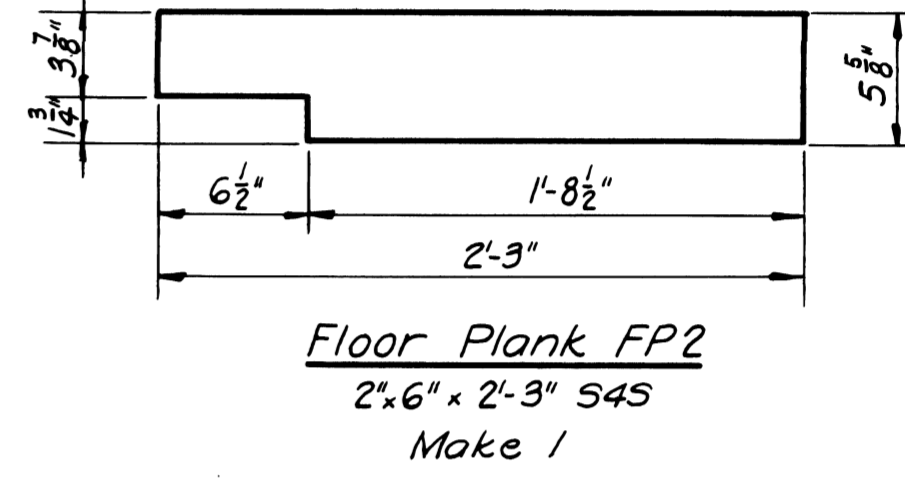
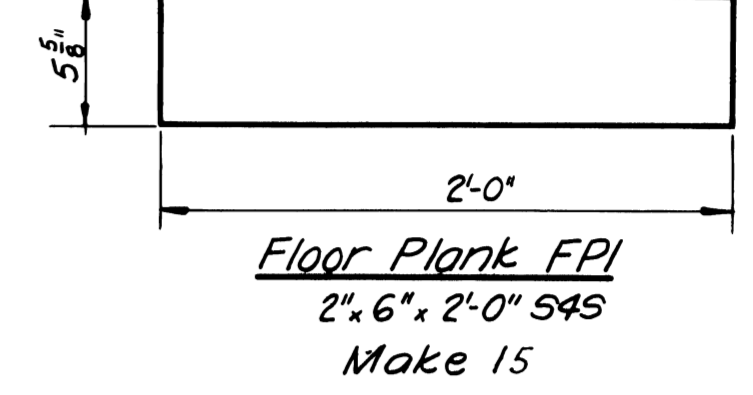
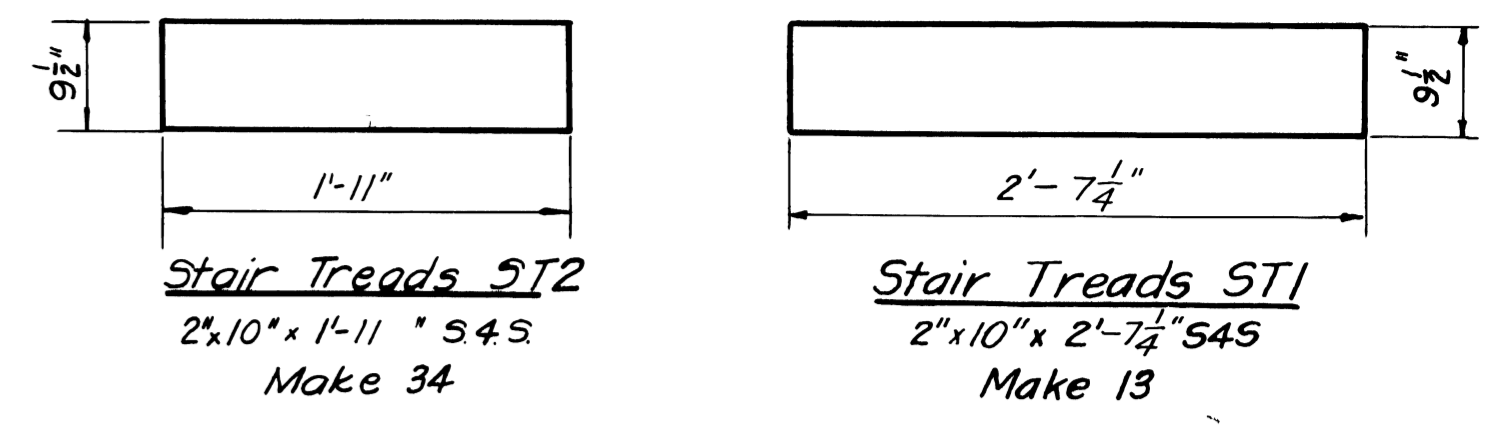
| | | | | | |
|----------|------------|-----------------------------|--------|--------|---------------|
| DESIGNED | R.W.S. | DRAWN | R.W.S. | TRACED | M.R.S. |
| SCALE | 1/2"=1'-0" | CHECKED | | DATE | FEB. 28, 1968 |
| APPROVED | | ASSISTANT REGIONAL FORESTER | | | |



| Mark | Make | "L" |
|------|------|--------|
| LS1 | 4 | 15'-0" |
| LS2 | 8 | 14'-0" |
| LS3 | 4 | 17'-0" |



| Mark | Make | "L" | "L" |
|------|------|-----------|-----------|
| RP2 | 2 | 2'-1 1/8" | 2'-6 1/8" |
| RP3 | 4 | 1'-1 1/8" | 2'-4 1/8" |

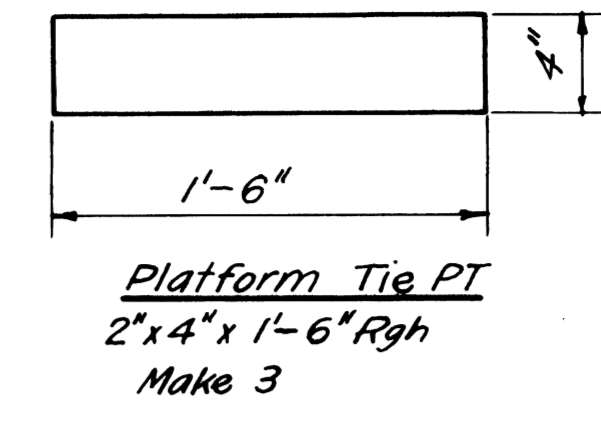
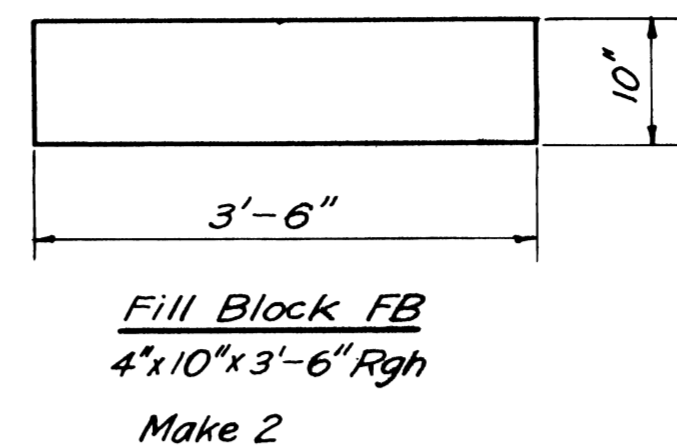
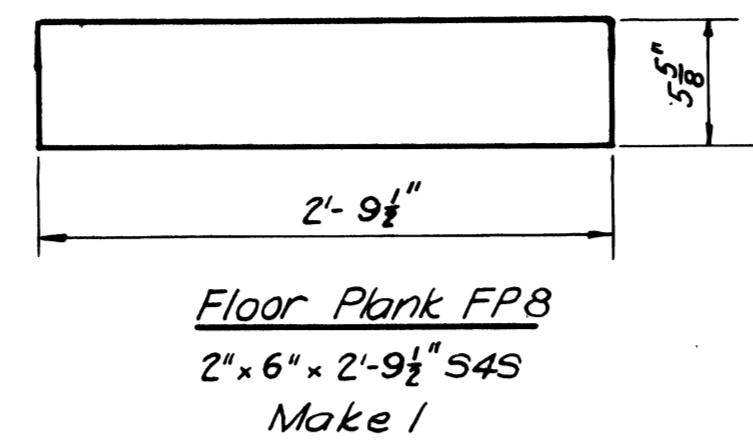
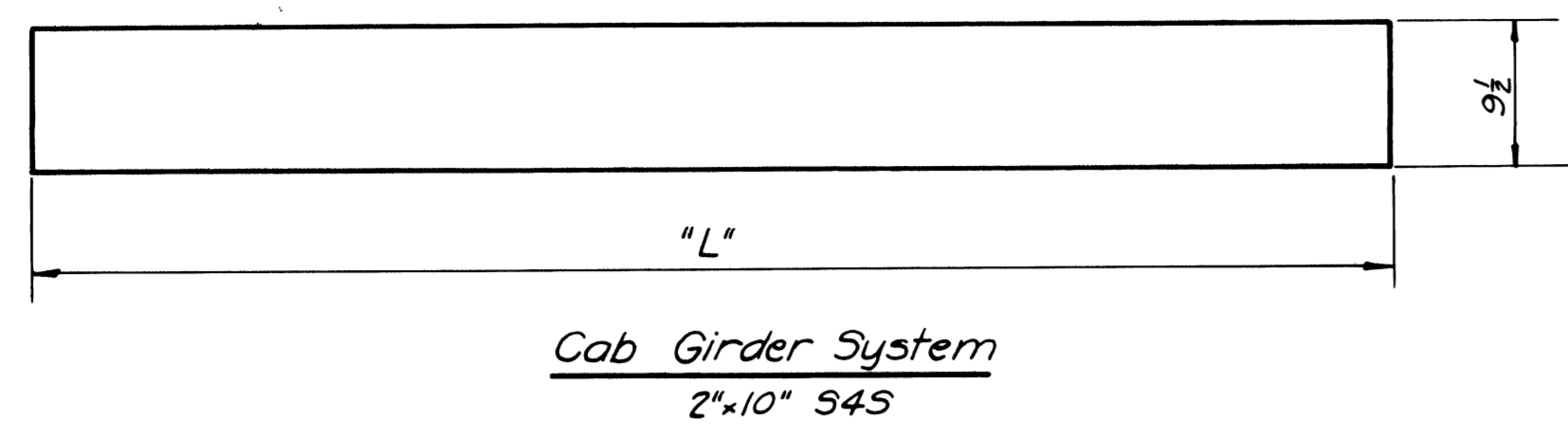


Revised 5-10-54 by B.D.E. (Styb STL)
Revised 10-3-39 by A.S., W.G.

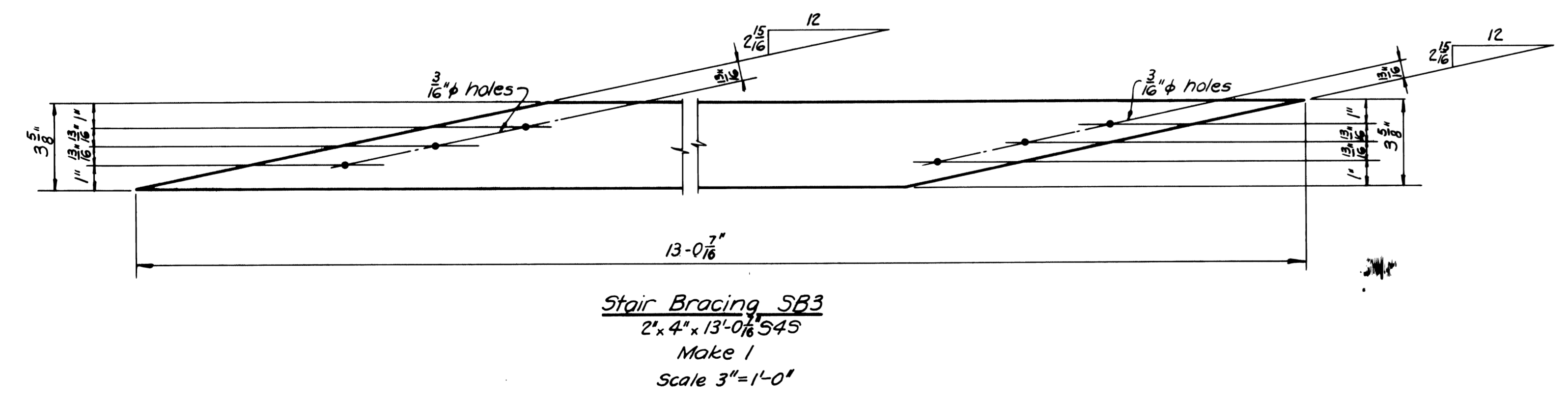
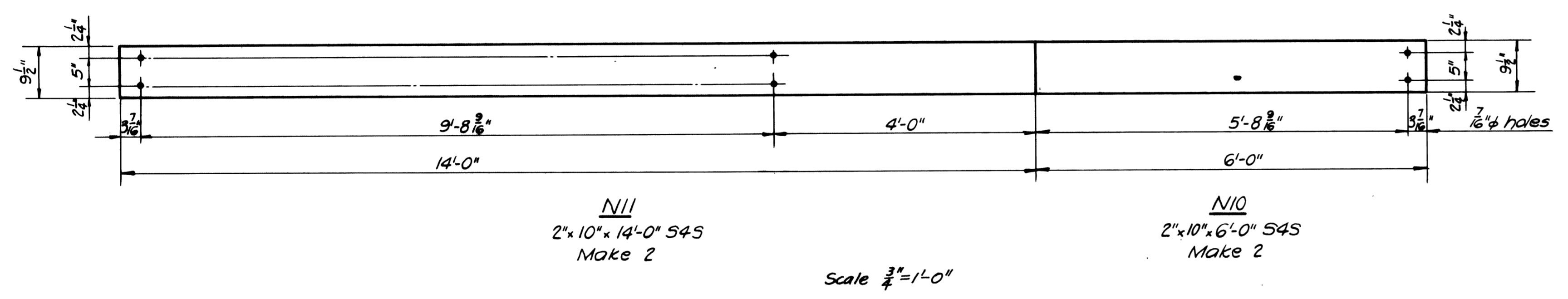
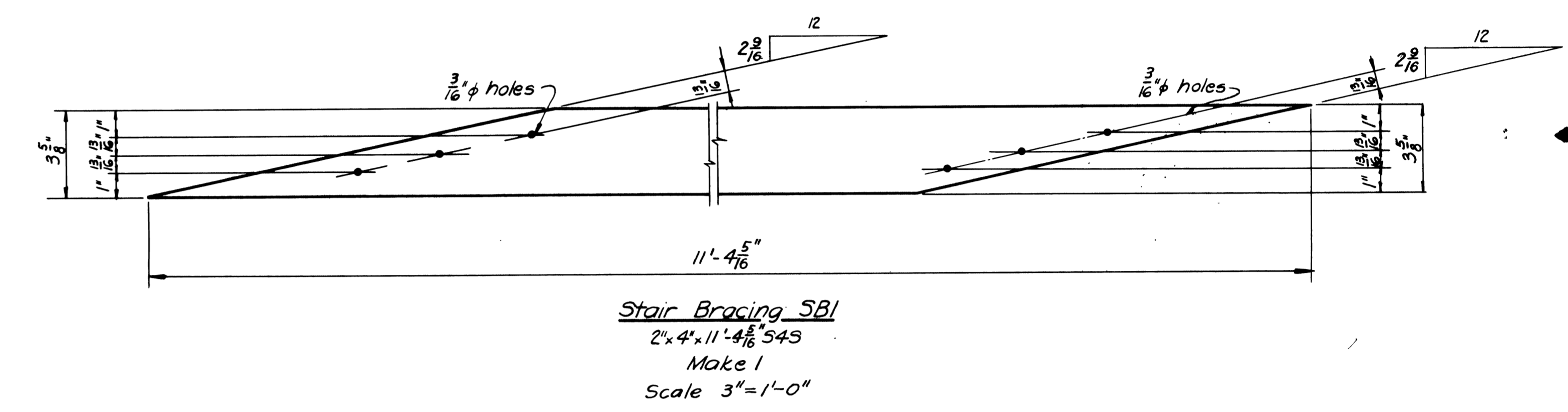
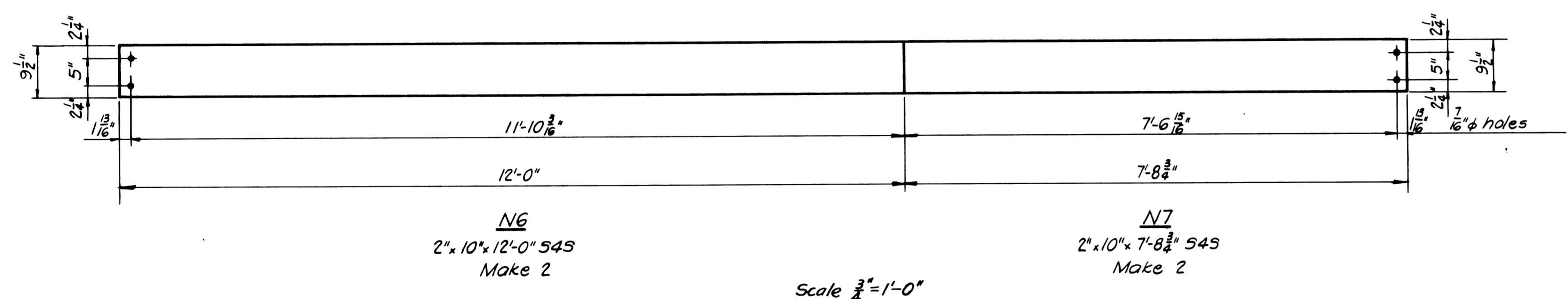
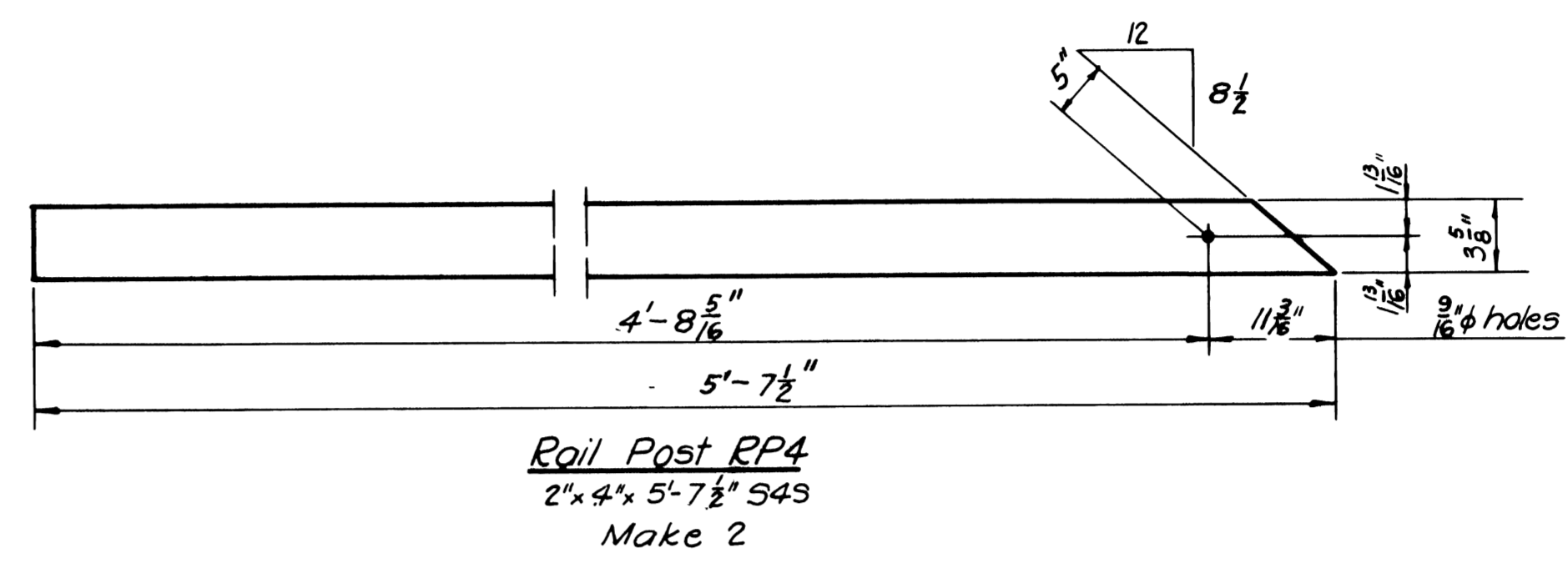
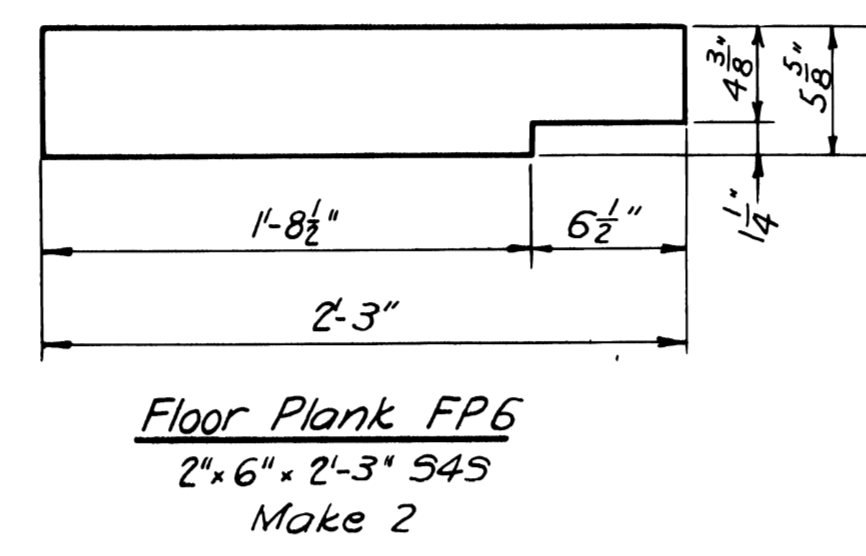
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION SIX J. FRANKLAND REGIONAL ENGINEER

STANDARD LOOKOUT TOWER
40-FOOT TYPE CT-3
SHOP DETAILS

DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
SCALE 1/2" = 1'-0" EXCEPT AS NOTED CHECKED W.G.
APPROVED DATE FEBR. 1938



| Mark | No. Req'd | Length 'L' |
|------|-----------|------------|
| N1 | 6 | 12'-0" |
| N2 | 9 | 7'-8 3/8" |
| N3 | 6 | 6'-0" |
| N4 | 2 | 3'-2" |
| N5 | 4 | 4'-0" |
| N8 | 2 | 5'-8 3/8" |
| N9 | 3 | 2'-9 1/2" |



Revised 10-3-39 by A.S./W.G.

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

REGION SIX J. FRANKLAND REGIONAL ENGINEER

STANDARD LOOKOUT TOWER
40-FOOT TYPE CT-3
SHOP DETAILS

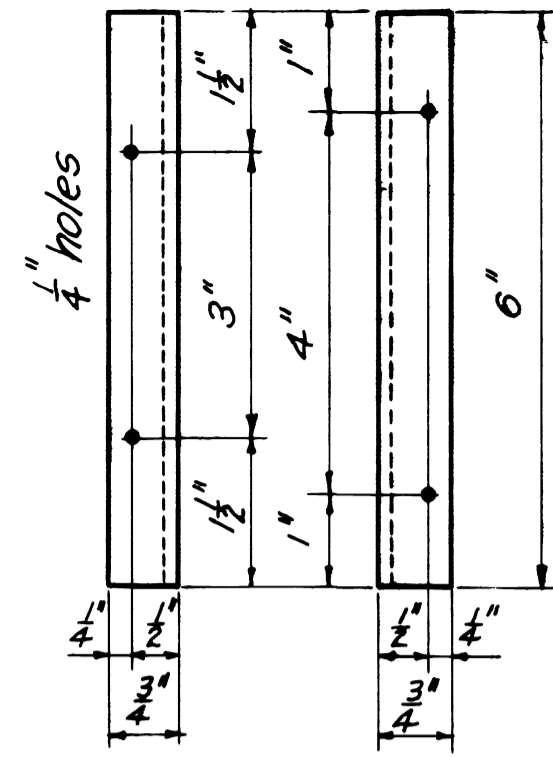
DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
SCALE 3/4" = 1'-0" OR AS NOTED CHECKED H.R.S.
APPROVED DATE FEB. 1939
ASSISTANT REGIONAL FORESTER

TREATED TIMBERS

| NO. | MARK | SIZE | LENGTH | DESCRIPTION | F.B.M. |
|-----|--------------------------------|--------|---------------------------------------|-------------------|--------|
| 4 | P1 | 2"x10" | 16'-0" | Rgh. Post Members | 107 |
| 4 | P2 | 2"x10" | 20'-0" | " " " | 133 |
| 4 | P3 | 2"x10" | 4'-0" | " " " | 27 |
| 4 | P4 | 2"x8" | 13'-0" | " " " | 75 |
| 4 | P5 | 2"x8" | 20'-0" | " " " | 107 |
| 4 | P6 | 2"x8" | 7'-0" | " " " | 37 |
| 4 | P7 | 2"x8" | 14'-6" | " " " | 85 |
| 4 | P8 | 2"x8" | 20'-0" | " " " | 107 |
| 4 | P9 | 2"x8" | 5'-6" | " " " | 32 |
| 4 | P10 | 2"x6" | 8'-0" | " " " | 32 |
| 4 | P11 | 2"x6" | 20'-0" | " " " | 80 |
| 4 | P12 | 2"x6" | 11'-2" | " " " | 48 |
| 4 | DA1 | 2"x10" | 17'-2 ⁵ / ₁₆ " | Diagonals | 120 |
| 8 | DA2 | 2"x10" | 17'-2 ⁵ / ₁₆ " | " " " | 240 |
| 4 | DA3 | 2"x10" | 17'-2 ⁵ / ₁₆ " | " " " | 120 |
| 3 | DB1 | 2"x10" | 17'-2 ⁵ / ₁₆ " | " " " | 90 |
| 1 | DB2 | 2"x10" | 15'-2 ¹¹ / ₁₆ " | " " " | 27 |
| 8 | DB3 | 2"x10" | 17'-2 ⁵ / ₁₆ " | " " " | 240 |
| 3 | DB4 | 2"x10" | 17'-2 ⁵ / ₁₆ " | " " " | 90 |
| 1 | DB5 | 2"x10" | 16'-2 ¹¹ / ₁₆ " | " " " | 30 |
| 2 | H1 | 2"x10" | 13'-0" | Horizontals | 47 |
| 14 | H2 | 2"x10" | 13'-4" | " " " | 327 |
| 2 | H3 | 2"x10" | 13'-4" | " " " | 47 |
| 6 | G1 | 2"x10" | 20'-0" | S4S Tower Girder | 200 |
| 2 | FB | 4"x10" | 3'-6" | Rgh Fill Blocks | 23 |
| 4 | ST ¹ / ₂ | 6"x8" | 3'-0" | S4S Tower Stubs | 48 |
| 2 | SI ¹ / ₂ | 2"x10" | 12'-1 ³ / ₈ " | Stair Stringers | 47 |
| 4 | S2 ¹ / ₂ | 2"x10" | 13'-6 ¹³ / ₁₆ " | " " " | 93 |
| 2 | S3 ¹ / ₂ | 2"x10" | 13'-10 ⁵ / ₈ " | " " " | 47 |
| 4 | LS1 | 2"x10" | 15'-0" | Landing Stringers | 107 |
| 8 | LS2 | 2"x10" | 14'-0" | " " " | 187 |
| 4 | LS3 | 2"x10" | 17'-0" | " " " | 120 |
| 19 | RP1 | 2"x4" | 3'-9 ¹ / ₂ " | Rail Posts | 51 |
| 2 | RP2 | 2"x4" | 2'-6 ¹¹ / ₁₆ " | " " " | 4 |
| 4 | RP3 | 2"x4" | 2'-4 ¹ / ₁₆ " | " " " | 8 |
| 2 | RP4 | 2"x4" | 5'-7 ¹ / ₂ " | " " " | 8 |
| 34 | ST2 | 2"x10" | 1'-11" | Stair Treads | 114 |
| 13 | ST1 | 2"x10" | 2'-7 ¹ / ₄ " | " " " | 65 |
| 15 | FP1 | 2"x6" | 2'-0" | Floor Plank | 30 |
| 1 | FP2 | 2"x6" | 2'-3" | " " " | 3 |
| 14 | FP3 | 2"x6" | 2'-3" | " " " | 32 |
| 1 | FP4 | 2"x6" | 2'-0" | " " " | 2 |
| 3 | FP5 | 2"x4" | 2'-0" | " " " | 4 |
| 2 | FP6 | 2"x6" | 2'-3" | " " " | 5 |
| 3 | FP7 | 2"x6" | 2'-1 ¹ / ₄ " | " " " | 7 |
| 1 | FP8 | 2"x6" | 2'-9 ¹ / ₂ " | " " " | 3 |
| 6 | N1 | 2"x10" | 12'-0" | Cab Girder System | 120 |
| 9 | N2 | 2"x10" | 7'-8 ³ / ₄ " | " " " | 120 |

TREATED TIMBERS

| NO. | MARK | SIZE | LENGTH | DESCRIPTION | F.B.M. |
|-------|------|--------|--------------------------------------|-----------------------|--------|
| 6 | N3 | 2"x10" | 6'-0" | S4S Cab Girder System | 60 |
| 2 | N4 | 2"x10" | 3'-2" | " " " | 12 |
| 4 | N5 | 2"x10" | 4'-0" | " " " | 27 |
| 2 | N6 | 2"x10" | 12'-0" | " " " | 40 |
| 2 | N7 | 2"x10" | 7'-8 ³ / ₄ " | " " " | 27 |
| 2 | N8 | 2"x10" | 5'-8 ³ / ₈ " | " " " | 20 |
| 3 | N9 | 2"x10" | 2'-9 ¹ / ₂ " | " " " | 15 |
| 2 | N10 | 2"x10" | 6'-0" | " " " | 20 |
| 2 | N11 | 2"x10" | 14'-0" | " " " | 47 |
| 1 | SB1 | 2"x4" | 11'-0" | Stair Bracing | 8 |
| 2 | SB2 | 2"x4" | 12'-8 ⁵ / ₁₆ " | " " " | 19 |
| 1 | SB3 | 2"x4" | 13'-0 ¹ / ₁₆ " | " " " | 9 |
| 3 | PT | 2"x4" | 1'-6" | Rgh. Platform Ties | 3 |
| Total | | | | | 4,003 |



Angle Detail
 $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8} \times 6"$
 Make 24

NOTES

Hardware list consists of approx. 10% increase over required amt.
 All hardware to be galvanized.

HARDWARE

| NO. | SIZE | LENGTH | DESCRIPTION |
|------------------|---|----------------------------------|---|
| 2 | $\frac{5}{8}$ " ϕ | 6" | Bolts |
| 15 | $\frac{5}{8}$ " ϕ | 8" | " |
| 18 | $\frac{5}{8}$ " ϕ | 13" | " |
| 18 | $\frac{5}{8}$ " ϕ | 15" | " |
| 3 | $\frac{1}{2}$ " ϕ | 30" | " |
| 6 | $\frac{1}{2}$ " ϕ | 26 ¹ / ₂ " | " |
| 2 | $\frac{1}{2}$ " ϕ | 35" | " |
| 1 | $\frac{1}{2}$ " ϕ | 38 ¹ / ₂ " | " |
| 88 | $\frac{5}{8}$ " ϕ | | Malleable Washers |
| 26 | $\frac{1}{2}$ " ϕ | | " " |
| 24 | $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$ " | 6" | Angles (see detail) |
| 100 [#] | 40 ^d | | Common Nails |
| 35 [#] | 12 ^d | | " " |
| 25 [#] | 10 ^d | | " " |
| | $\frac{5}{8}$ "-6x19 | | Galv. Plow Stl. hemp center wire rope (length to suit field topography) |

UNTREATED TIMBER

| NO. | SIZE | LENGTH | DESCRIPTION | F.B.M. |
|-------|-------|--------|-------------|--------|
| 8 | 2"x4" | 14'-0" | Hand Rails | 75 |
| 7 | 2"x4" | 12'-0" | " " | 56 |
| 1 | 2"x4" | 6'-0" | " " | 4 |
| Total | | | | 135 |

Revised 10-3-39 by A.S., W.G.

U. S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION SIX JAMES FRANKLAND, REGIONAL ENGINEER
STANDARD LOOKOUT TOWER
40-FOOT, TYPE CT-3
BILL OF MATERIAL
 FOR SUPERSTRUCTURE
 DESIGNED R.W.S. DRAWN R.W.S. TRACED H.R.S.
 SCALE NONE CHECKED WJ
 APPROVED [Signature] DATE [Signature]
 ASSISTANT REGIONAL FORESTER