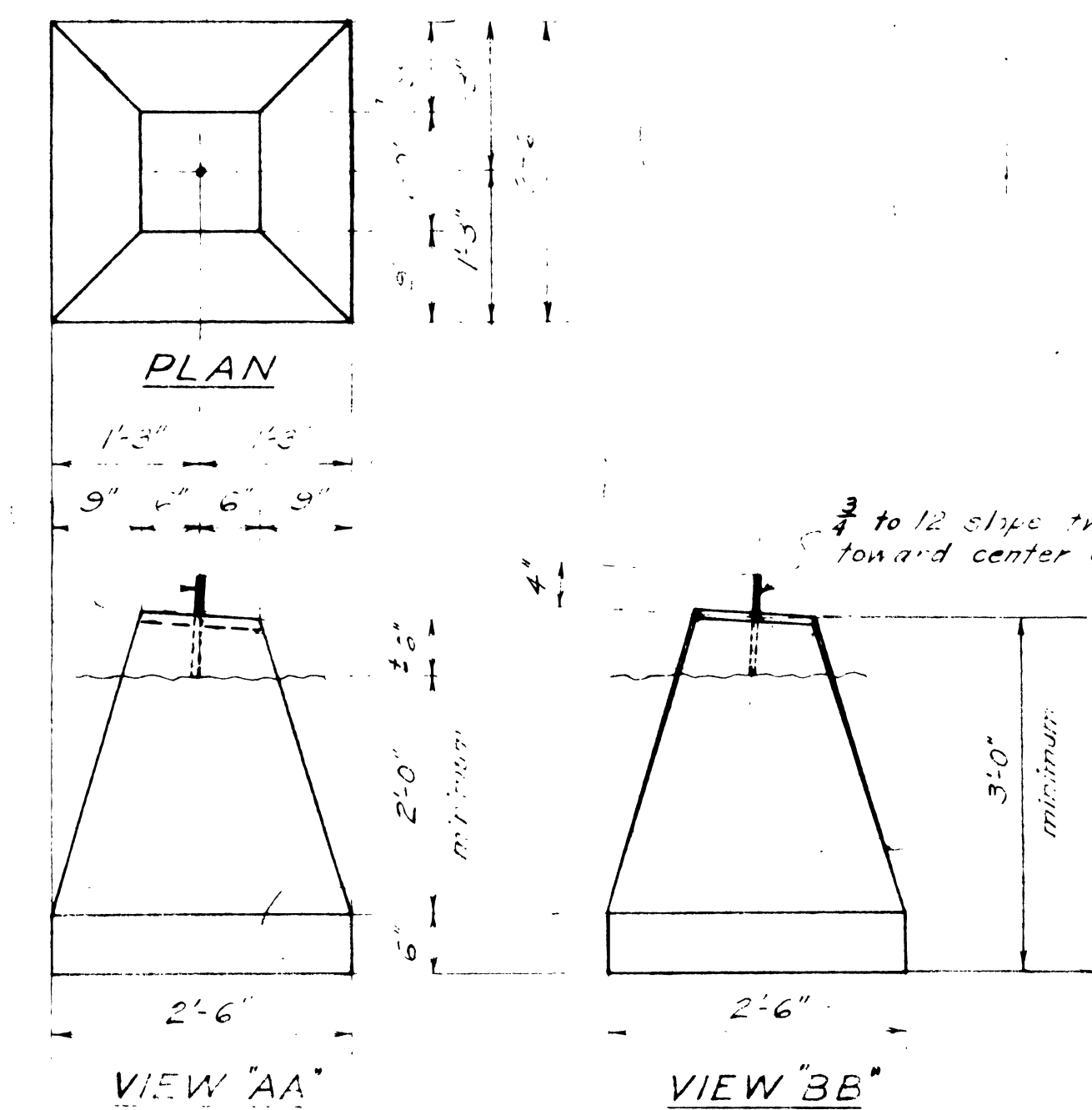
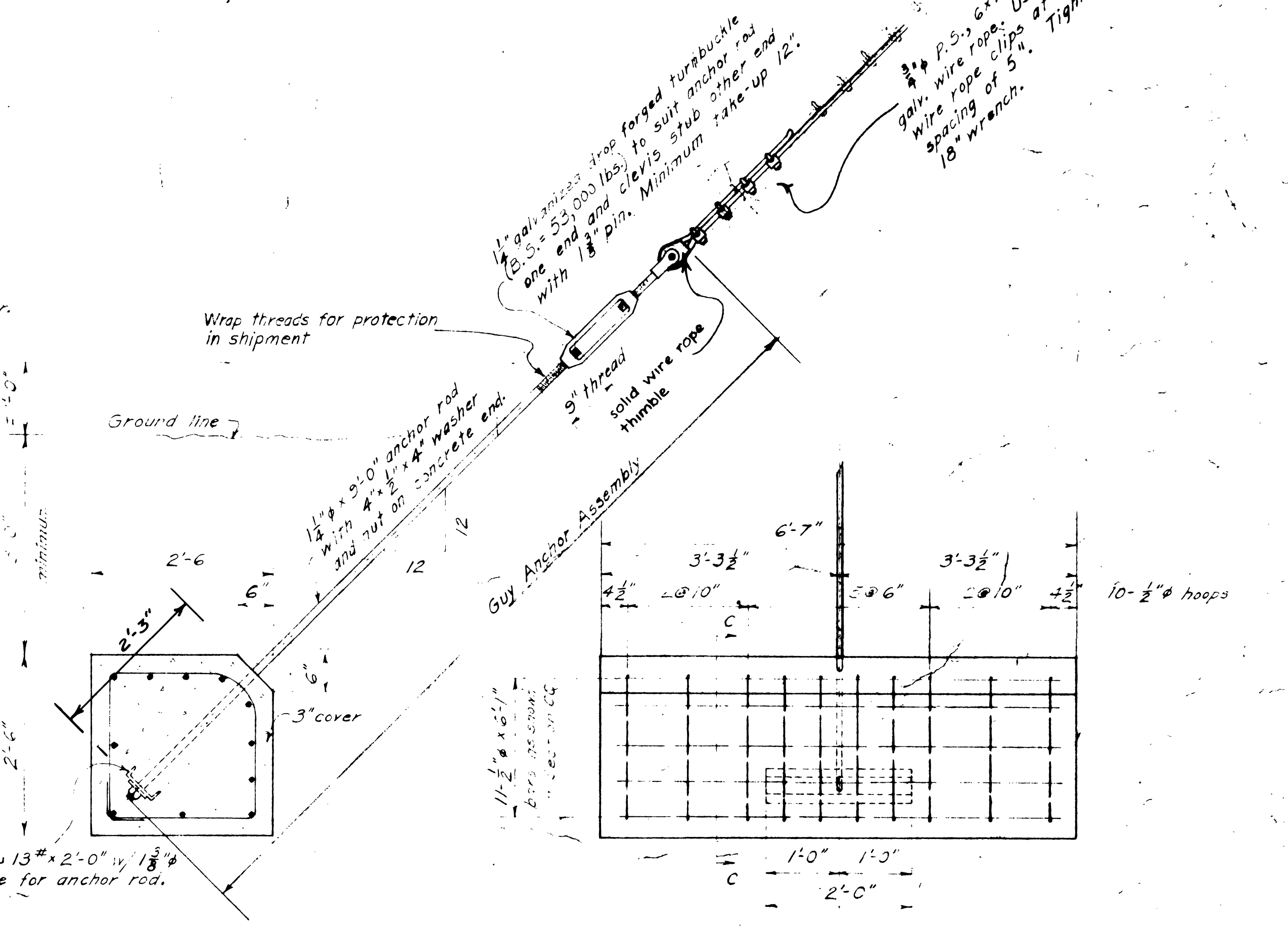


FOOTING & ANCHOR PLAN
Scale: 1/4" = 1'-0"
Note that layout is not shown and that stairs enter on Face N.

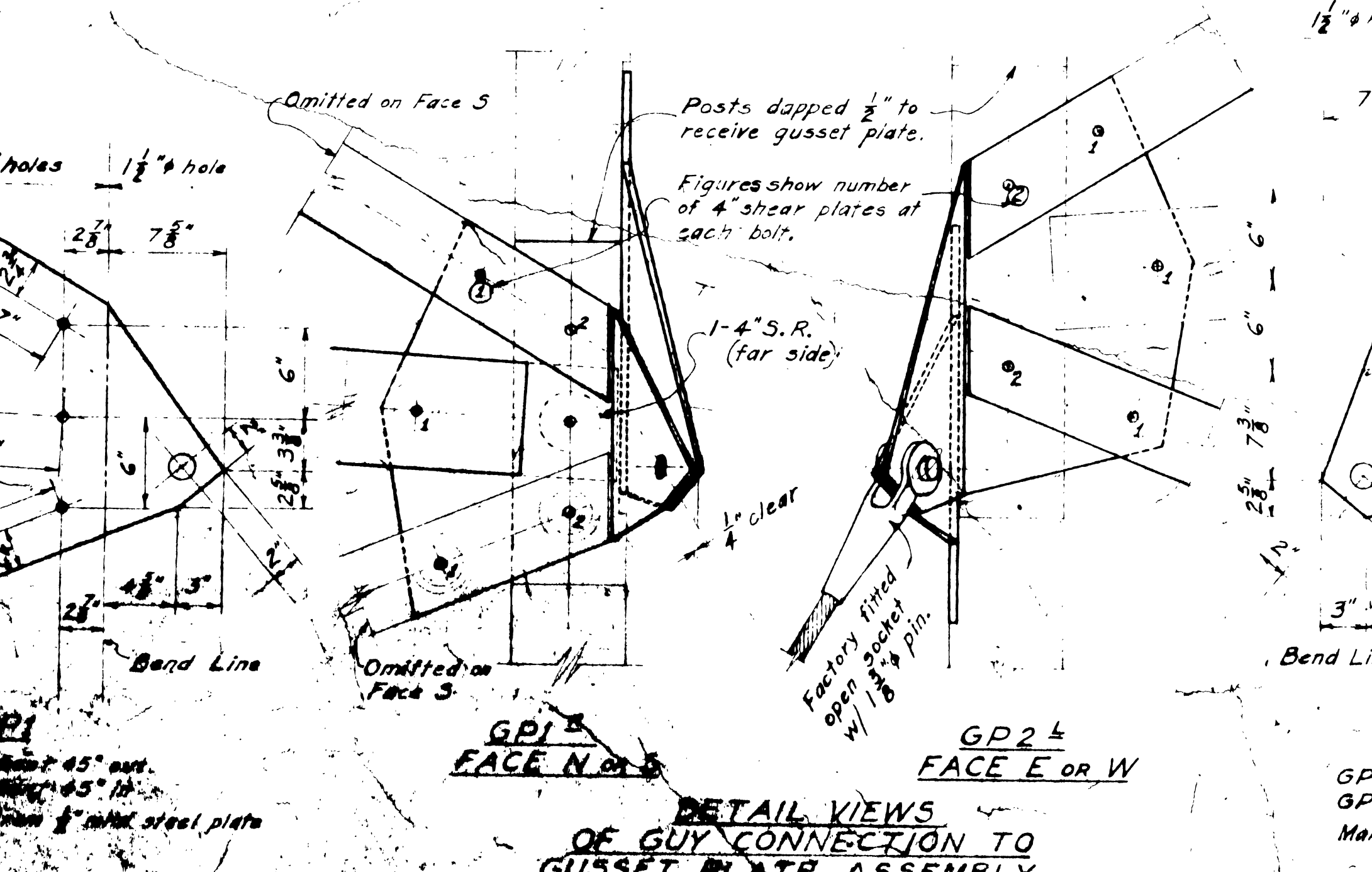


CONCRETE POST FOOTING
Scale: 3/4" = 1'-0"
4 Required



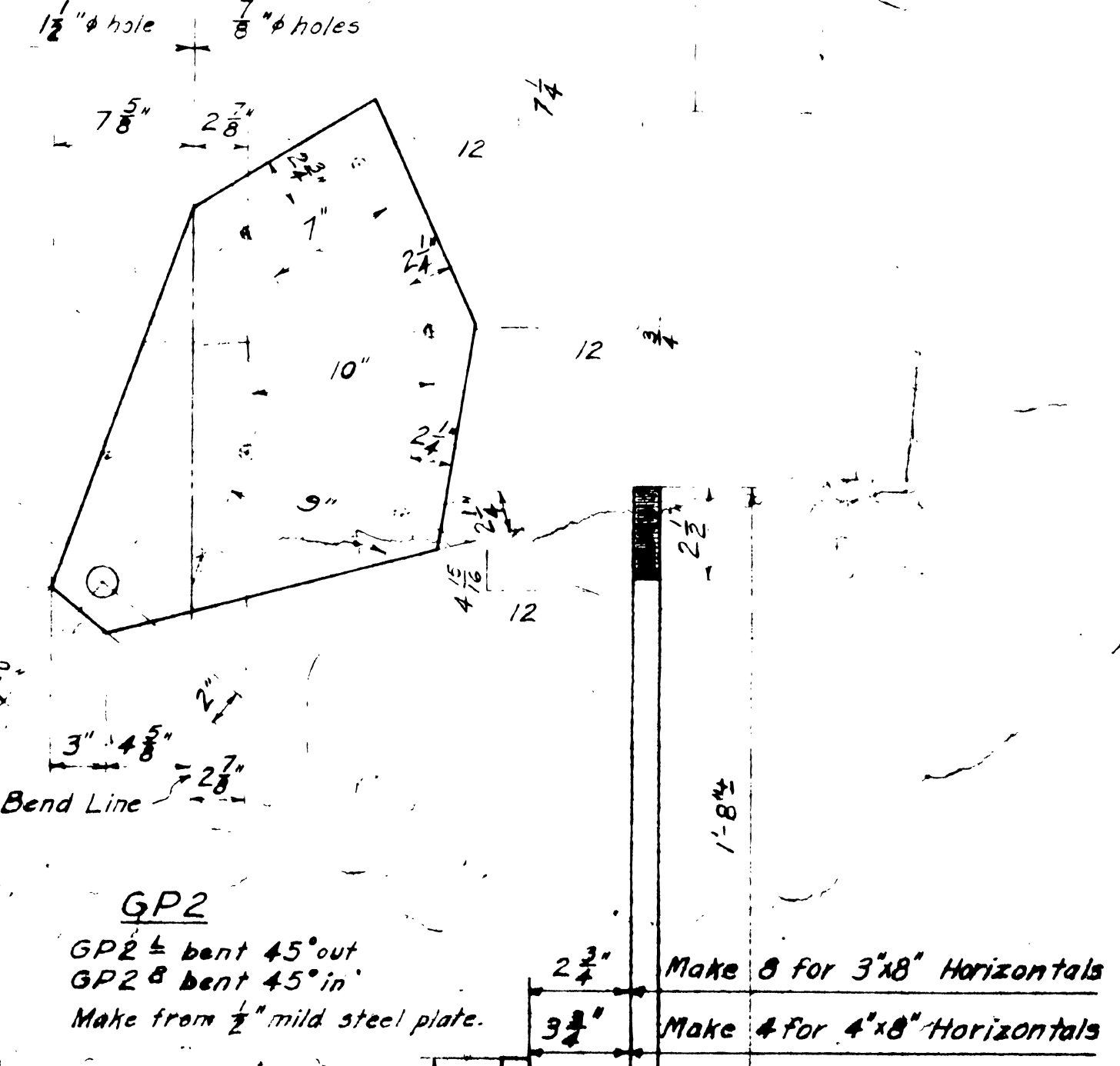
CONCRETE GUY ANCHOR
Scale: 3/4" = 1'-0"
4 Required

POST ASSEMBLY
Scale: 3/4" = 1'-0"
Required where tower is located in snow region.

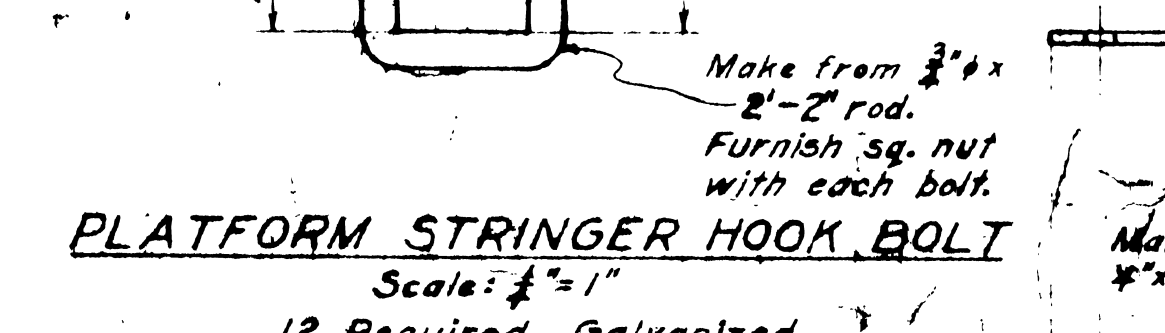


DETAIL VIEWS OF GUY CONNECTION TO GUSSET PLATE ASSEMBLY
Scale: 1/2" = 1'-0"

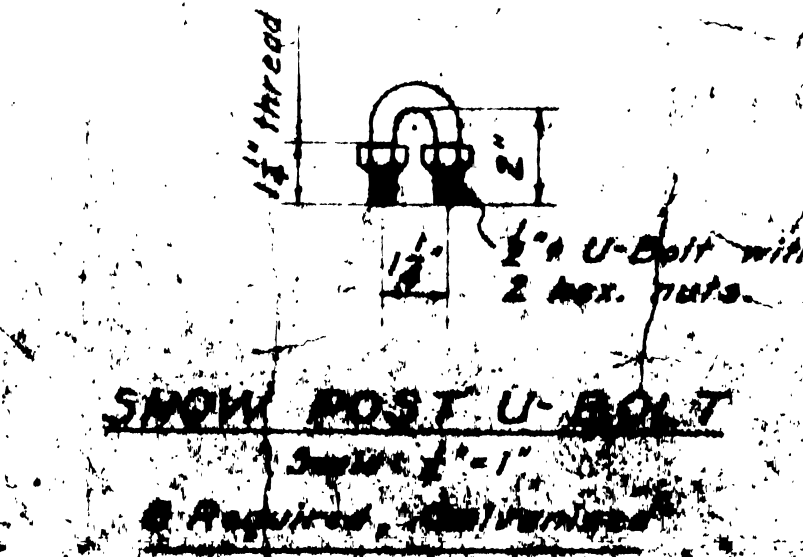
Fabricate, assemble, and bore pin holes for one each of the following assemblies: GP1 & GP2 - Matchmark A, GP1 & GP2 - B, GP1 & GP2 - C, GP1 & GP2 - D. Assemblies A, B, C, and D to be bolted to assembly block similar to above detail views. Pin hole to be bored with plates in assembled position, after which plates are to be slanted for plates and matchmarks in alignment which will be readily visible after galvanizing.



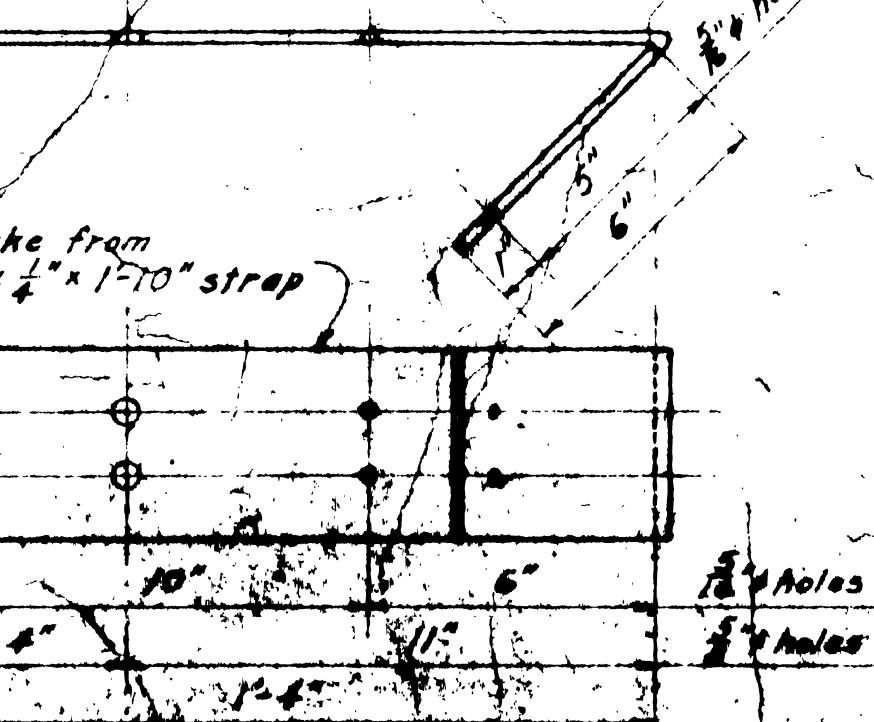
SNOW POST ANCHOR STRAP
Scale: 1/2" = 1'-0"
4 Required, Galvanized



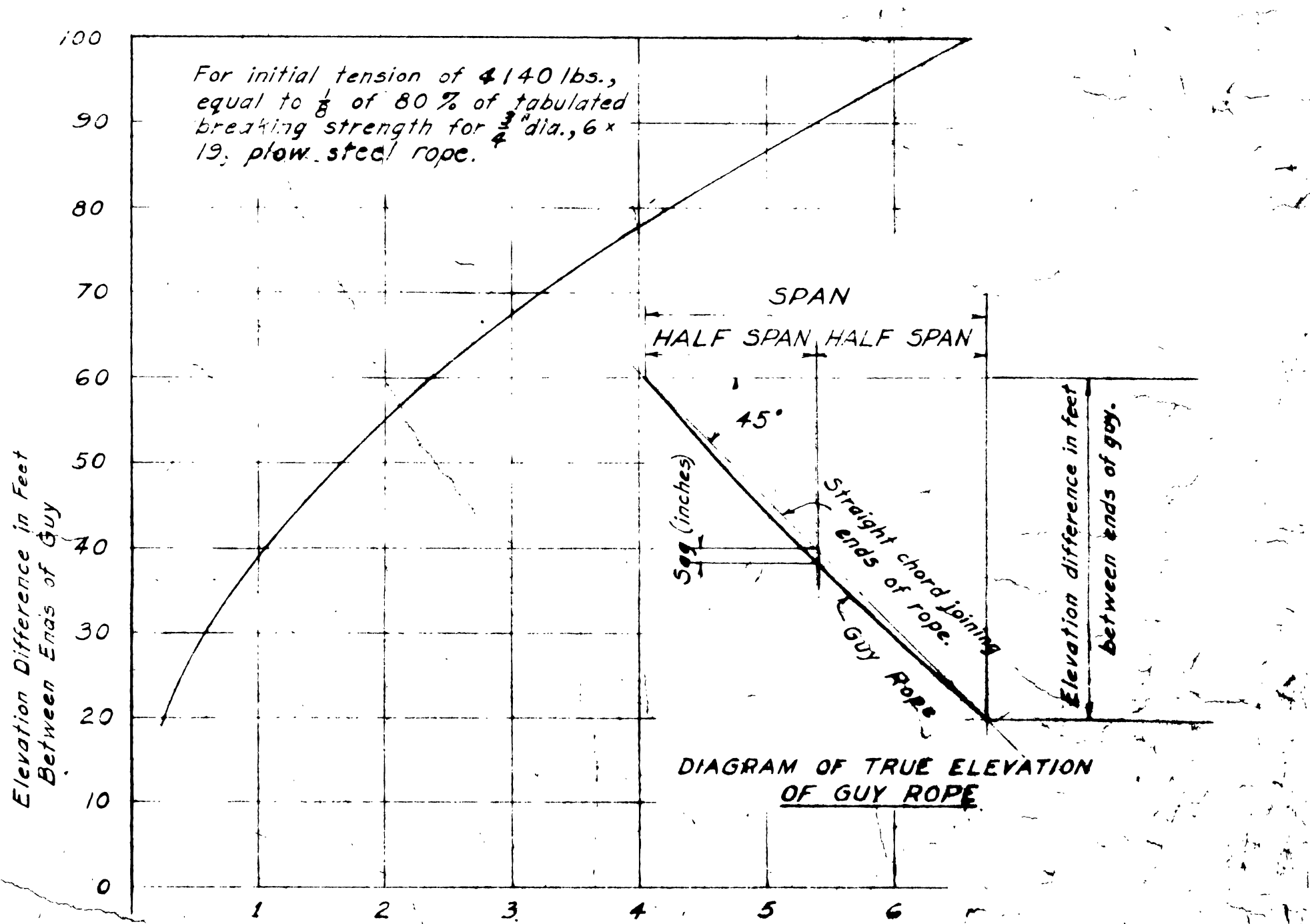
PLATFORM STRINGER HOOK BOLT
Scale: 1/2" = 1'-0"
12 Required, Galvanized



SNOW POST U-BOLT
Scale: 1/2" = 1'-0"
8 Required, Galvanized



SNOW POST LAP
Scale: 1/2" = 1'-0"
4 Required, Galvanized



SAG CURVE FOR ADJUSTMENT OF INITIAL TENSION IN GUY ROPES

CONCRETE QUANTITIES
(For minimum depths shown on the details)

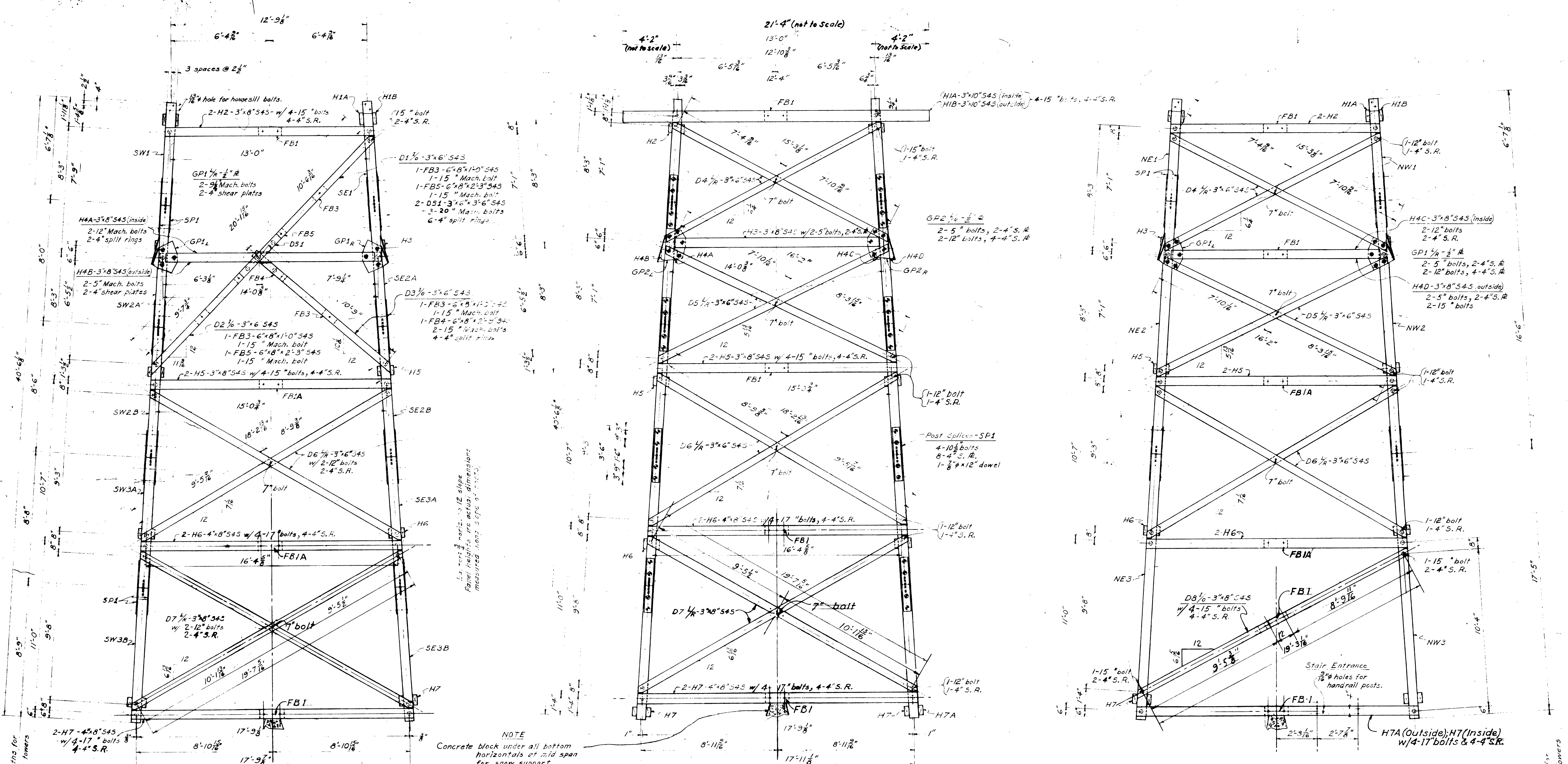
LOCATION	NO. REQ'D	UNIT QUANTITY	TOTAL QUANTITY
Post Footings	4	0.42 cu. yds.	1.67 cu. yds.
Guy Anchors	4	1.49	5.97
Stair Stringer Ply.	1	0.14	0.14
Stair Entrance Step	1	0.12	0.12
Snow Post Footings	4	0.17	0.67
Total Concrete			8.57 cu. yds.

REV. 3-3-64 FOOTINGS & ANCHORS BAH
U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION SIX JAMES FRANKLIN REGIONAL ENGINEER

41-FOOT TYPE TT-1
TREATED TIMBER LOOKOUT TOWER
MODIFIED FOR HOUSE B-4301
DETAILS OF
FOUNDATION & HARDWARE

Rev. 2-5-63 LEM
Rev. 7-20-59 MGS (Diagonals)
Rev. 6 May 58 CTO (For House)
Rev. 3-22-56 by B.D.E.
Rev. 8-5-52 by B.D.E.
Rev. 1-16-51 by W.S.
Revised 12-22-49 by B.D.E.

DESIGNED W.S. DRAWN W.S. & B.A. CHECKED B.D.E.
SCALE AS SHOWN DATE 6-4-60
APPROVED ASSISTANT REGIONAL FORESTER



FACE S
Showing Post lengths for Horse Pack Towers

FACE E & W
Showing Post lengths for Horse Pack Towers

FACE N
Showing Post lengths for Truck Haul Towers

HORSE-PACK	TRUCK-HAUL
SPLICE	POST
SP1	NW1
SP1	NW2A
SP1	NW2B
SP1	NW3A
SP1	NW3B

HORSE-PACK	TRUCK-HAUL
SPLICE	POST
SP1	NE1
SP1	NE2A
SP1	NE2B
SP1	NE3A
SP1	NE3B

HORSE-PACK	TRUCK-HAUL
SPLICE	POST
SP1	SW1
SP1	SW2A
SP1	SW2B
SP1	SW3A
SP1	SW3B

HORSE-PACK	TRUCK-HAUL
SPLICE	POST
SP1	SE1
SP1	SE2A
SP1	SE2B
SP1	SE3A
SP1	SE3B

POST & SPLICE SCHEDULE

Posts - 8" x 8" S4S
Splices - SP1's

DESIGN DATA

Loading: (a) 30 lbs. per sq. ft. on projected area of 14' x 14' house.
 (b) 30 lbs. per sq. ft. on 1/2 times projected area of tower frame.
 (c) 30 lbs. per sq. ft. on full projected area of stairs (iced conditions).
 (d) Assumed dead load of house 12,000 lbs.

Stresses: Stress diagram shown on Sheet 8, for maximum member stresses with full wind load applied on left and right faces, respectively. Guy stresses shown are components in plane of tower faces for full wind load applied on left and right faces, respectively.

Timber Design: In accordance with No. 15 Grading Rules of W.C. & A. for Select Structural Coast Douglas Fir and National Design Specification for Stress-Grade Lumber and Its Fastenings (1944) of the N.L.M.A.

NOTE

In accordance with the Specifications for Standard Treated Timber Lookout Towers, place the post Face Marks near the Piece Marks (stamped on top end of all posts, faces, and diagonals).
 Except as noted, all bolt holes drilled 1/8" for 3/4" galvanized machine bolts.
 Bolts in joints are not to be tightened until all members of joints are assembled.
 This tower may also be used for locations requiring either truck haul or horse pack transportation. If the material as called for in the bid, is to be transported by horse pack, the post lengths as shown on Face S and Face E & W, above, shall be furnished. If truck haul transportation is specified, the post lengths shown on Face N shall be furnished.
 See Bill of Hardware, Sheet 9 of 9, for size, length and location of galvanized machine bolts, split rings, shear plates and carriage bolts.

LEGEND

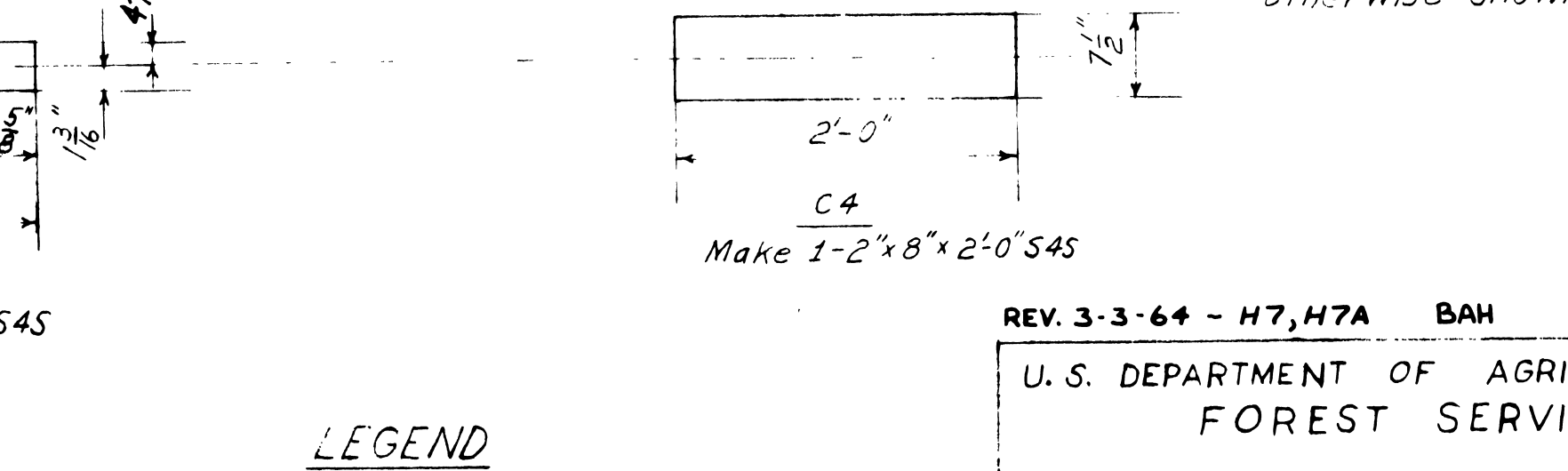
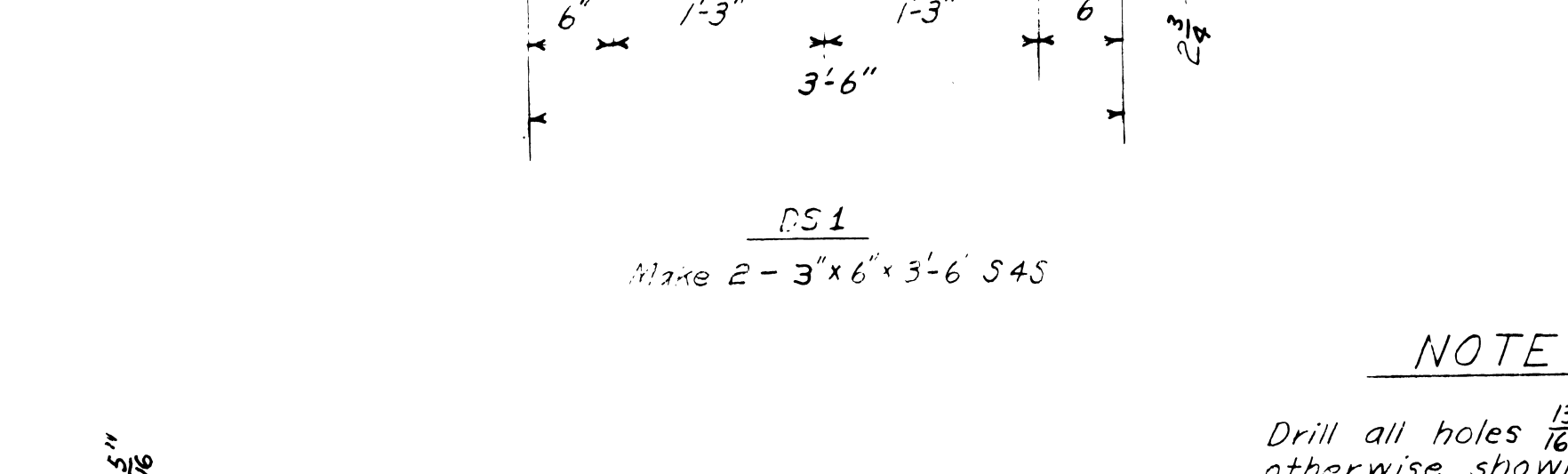
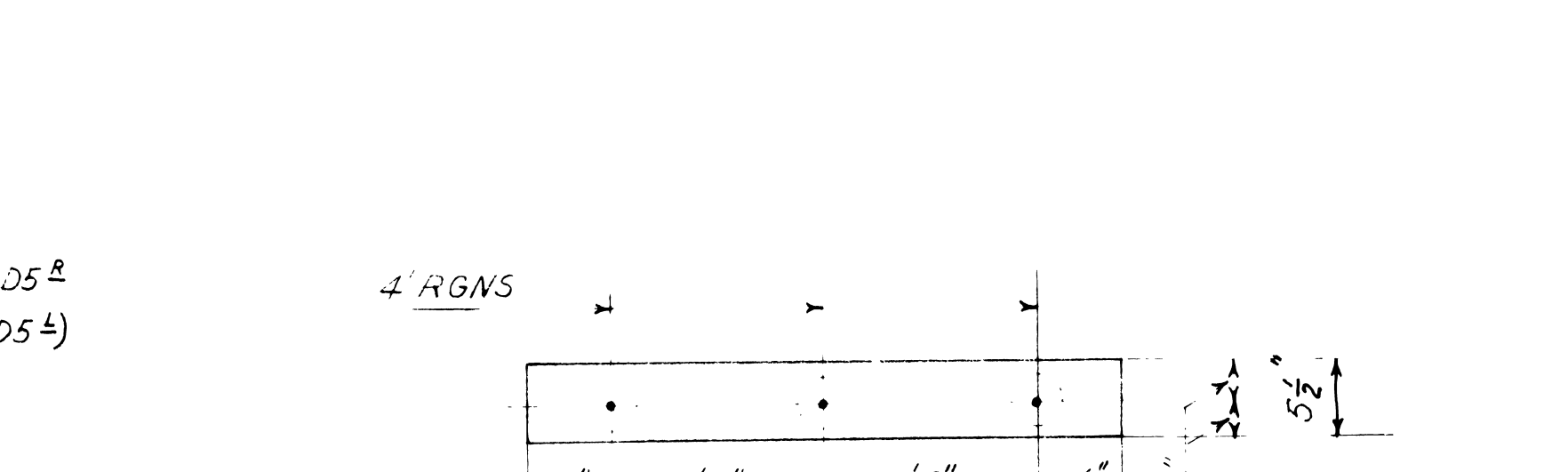
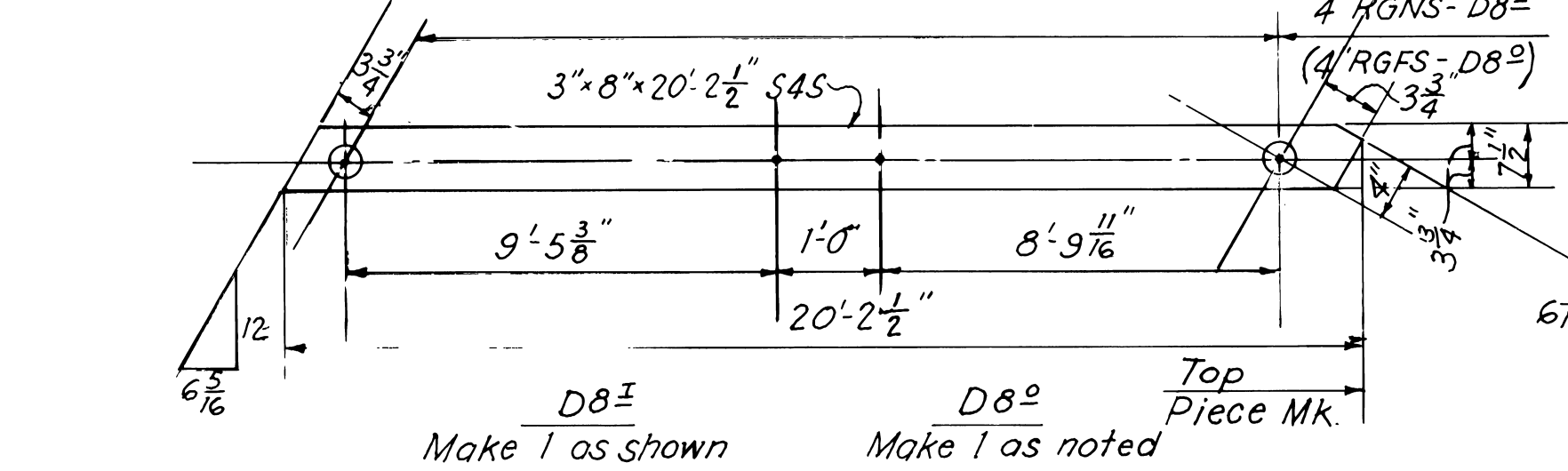
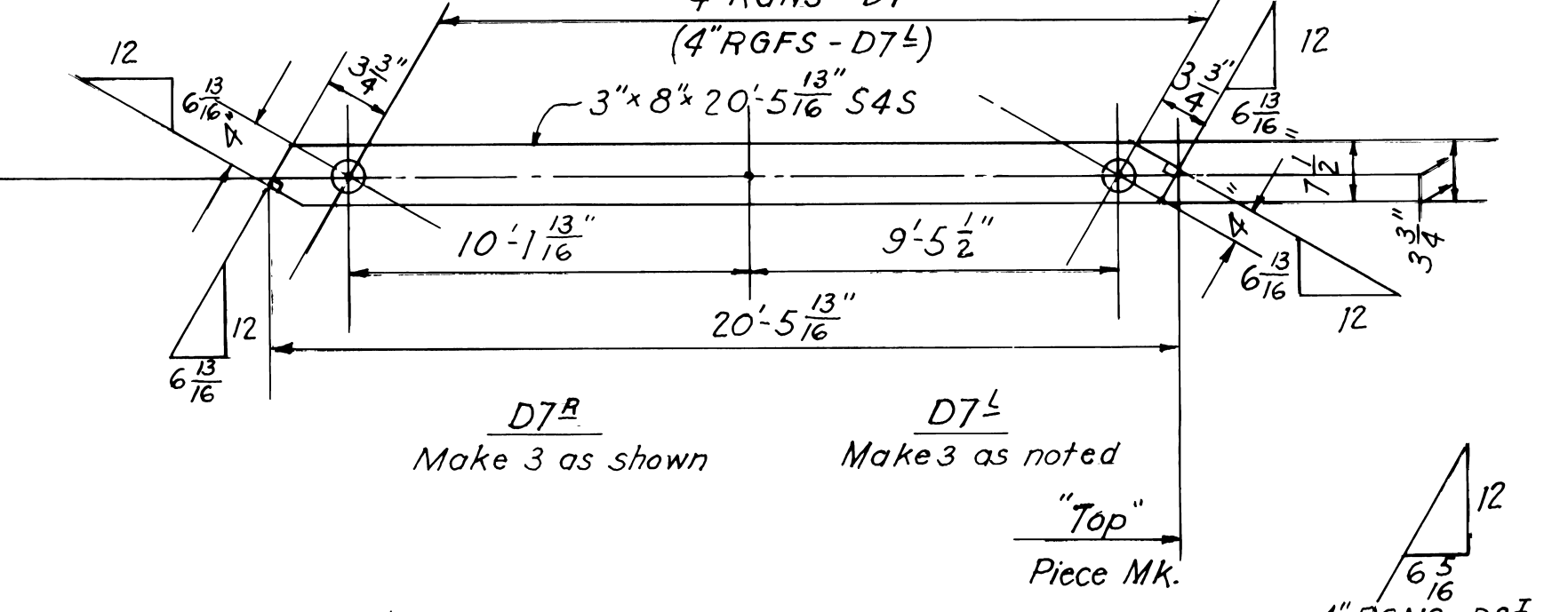
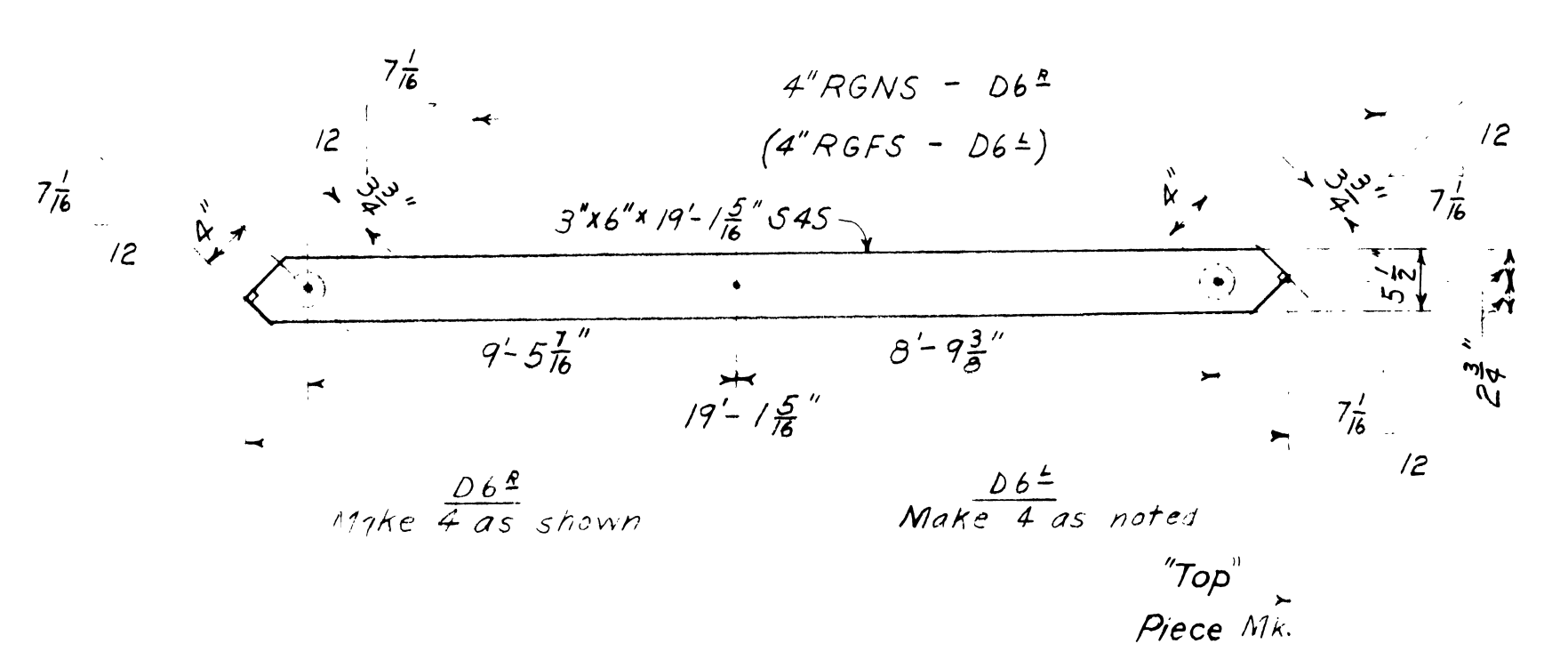
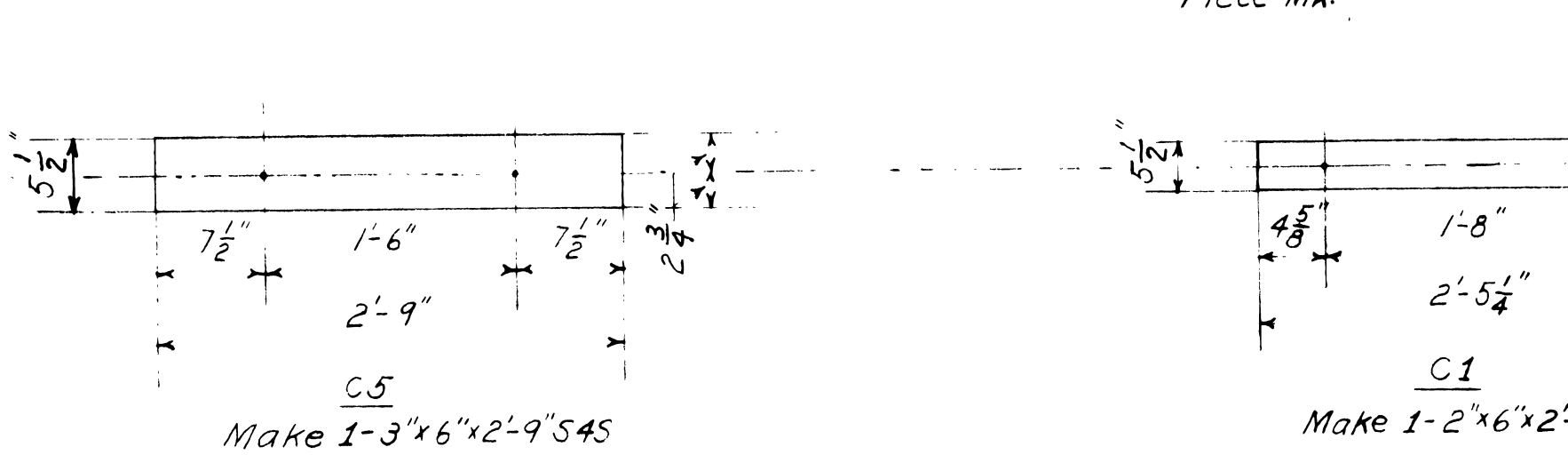
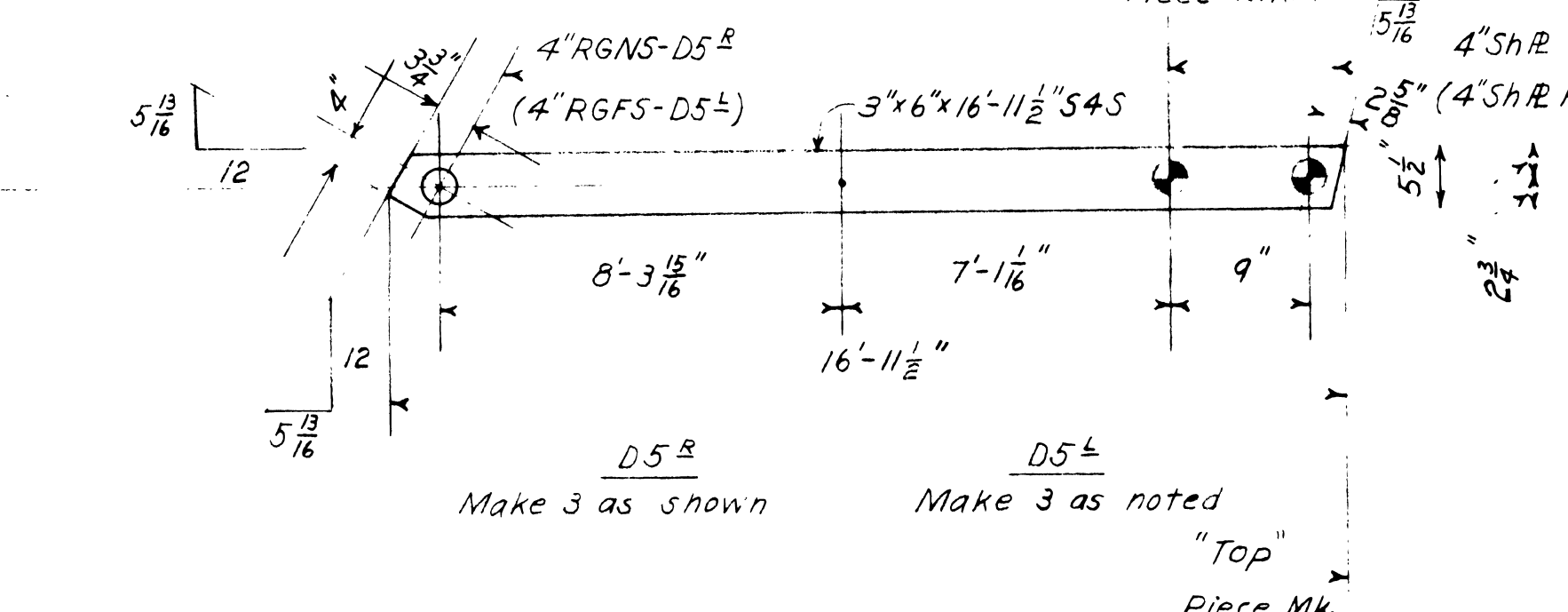
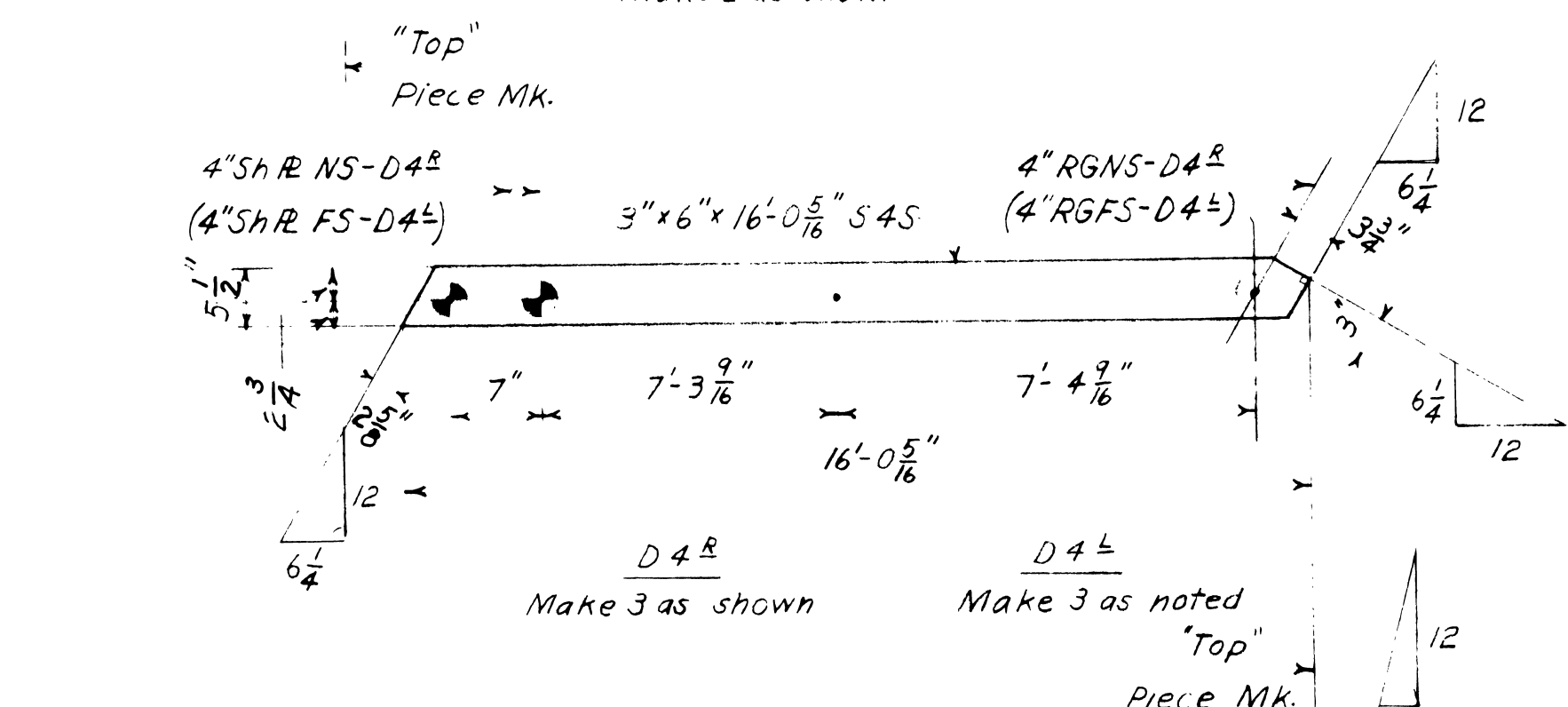
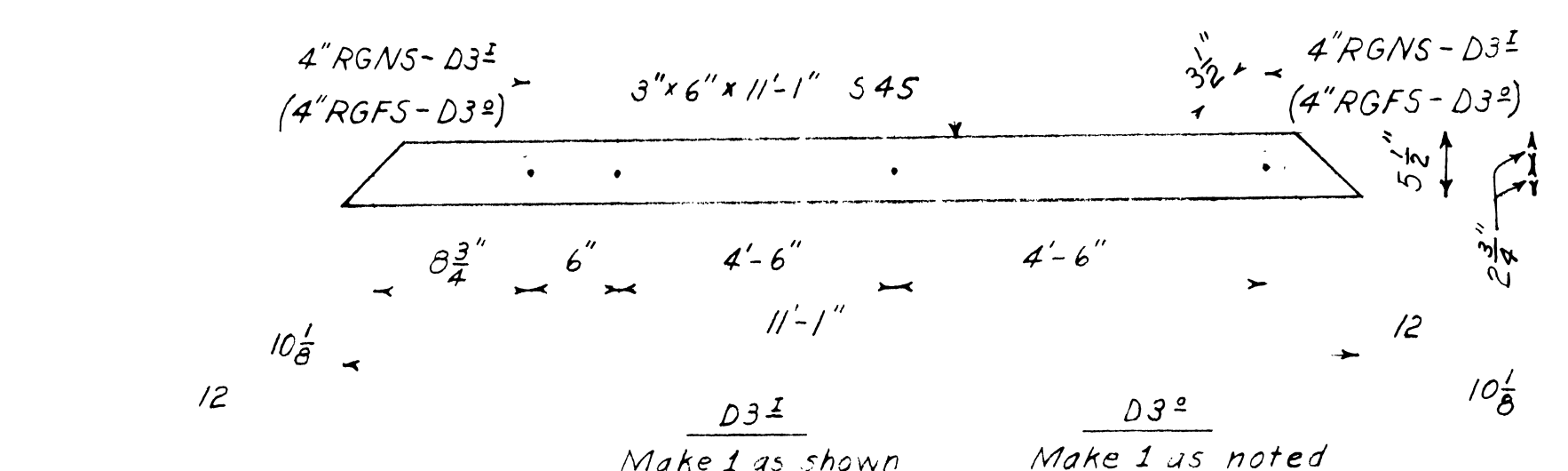
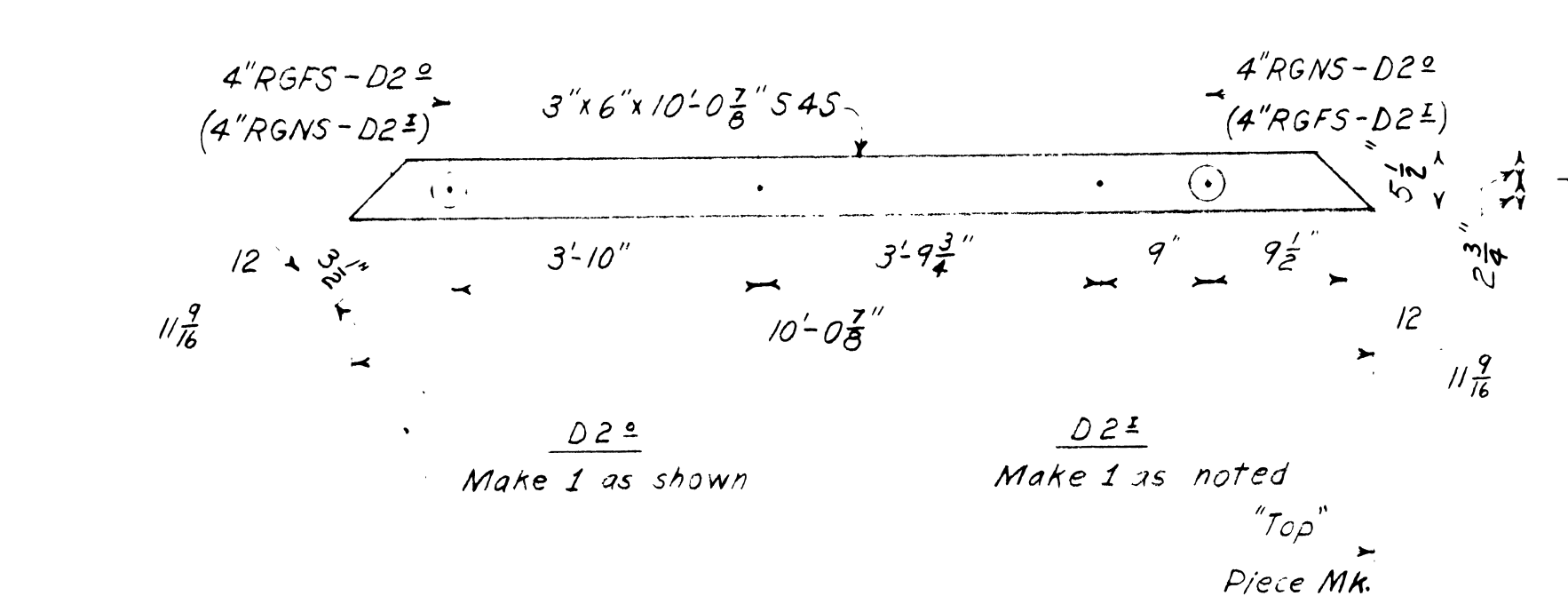
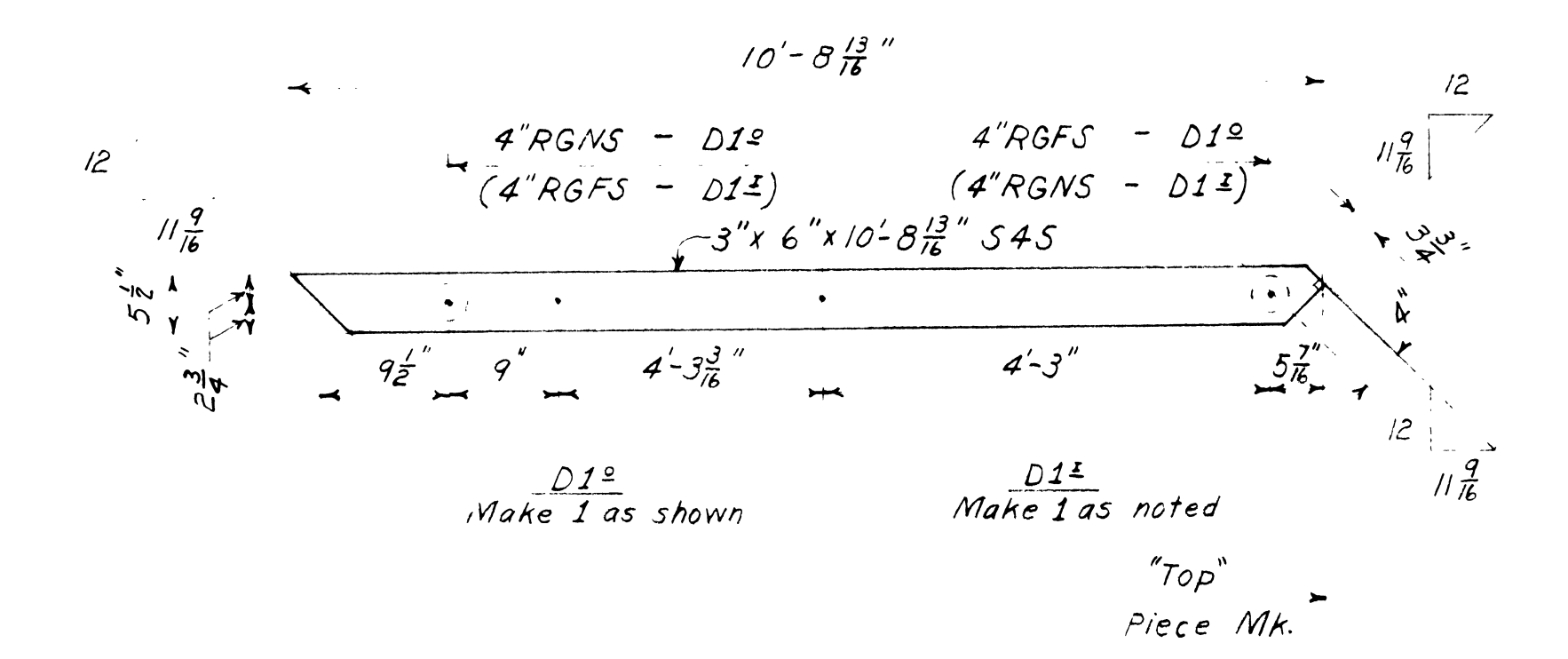
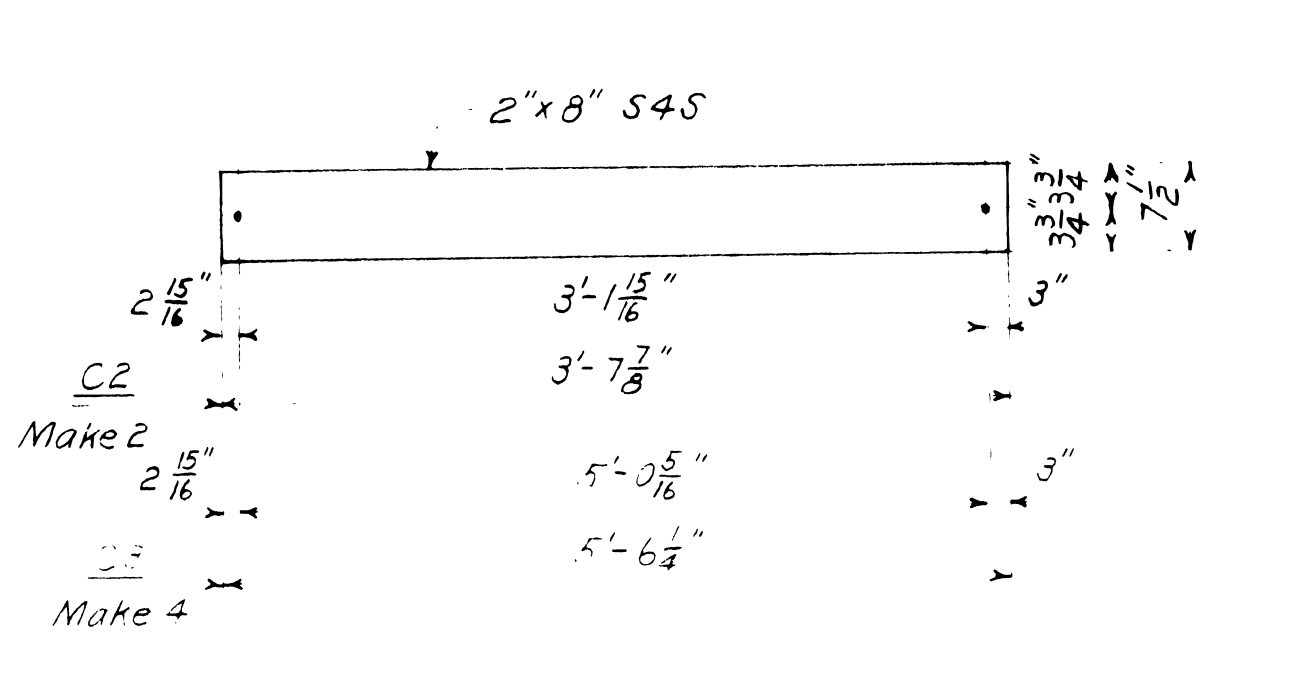
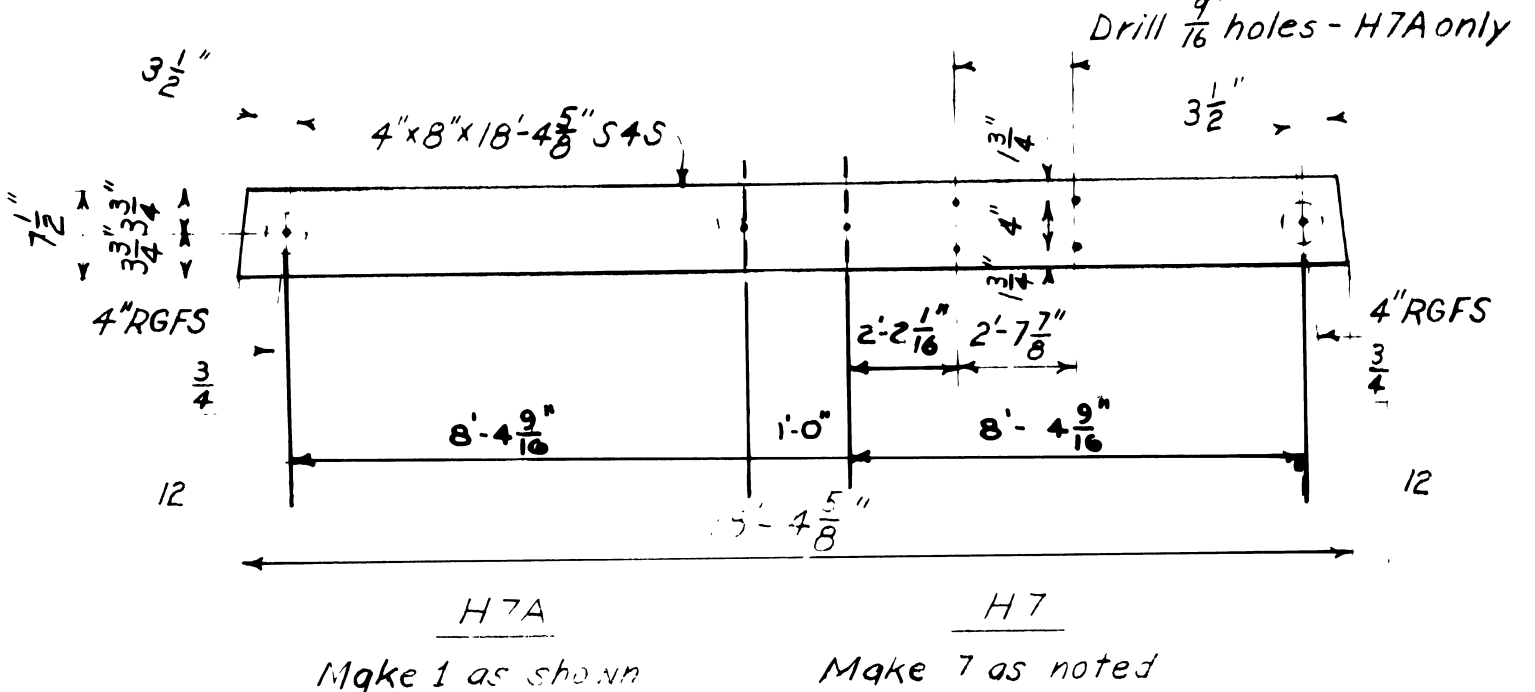
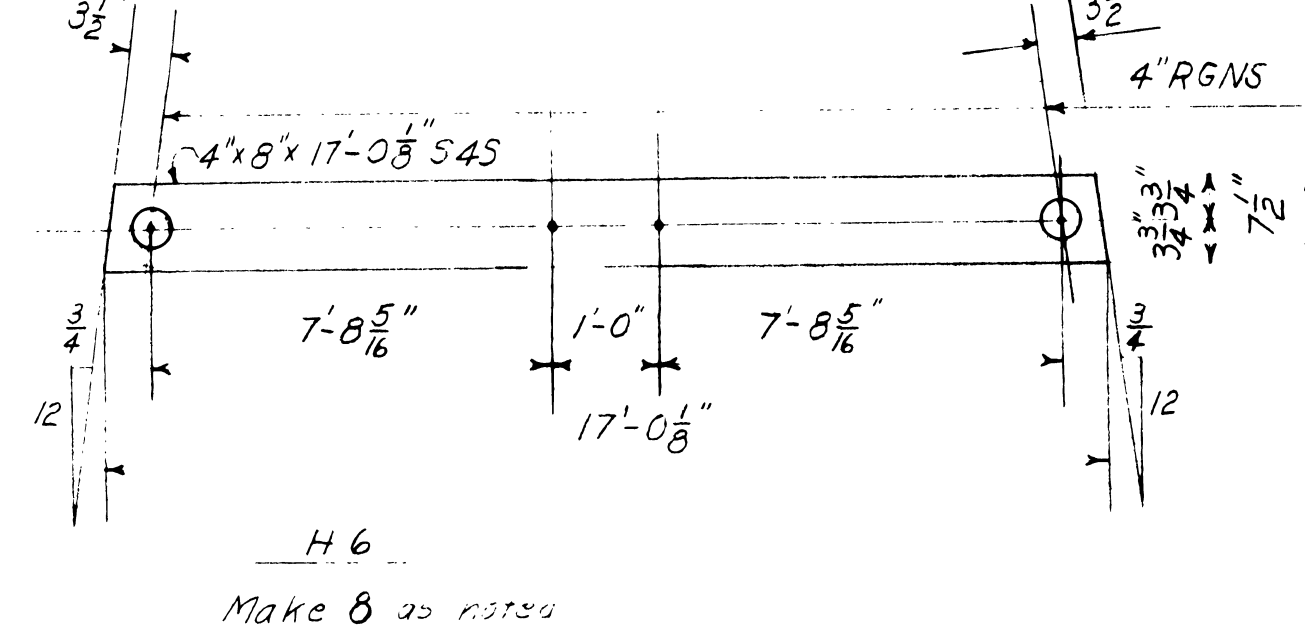
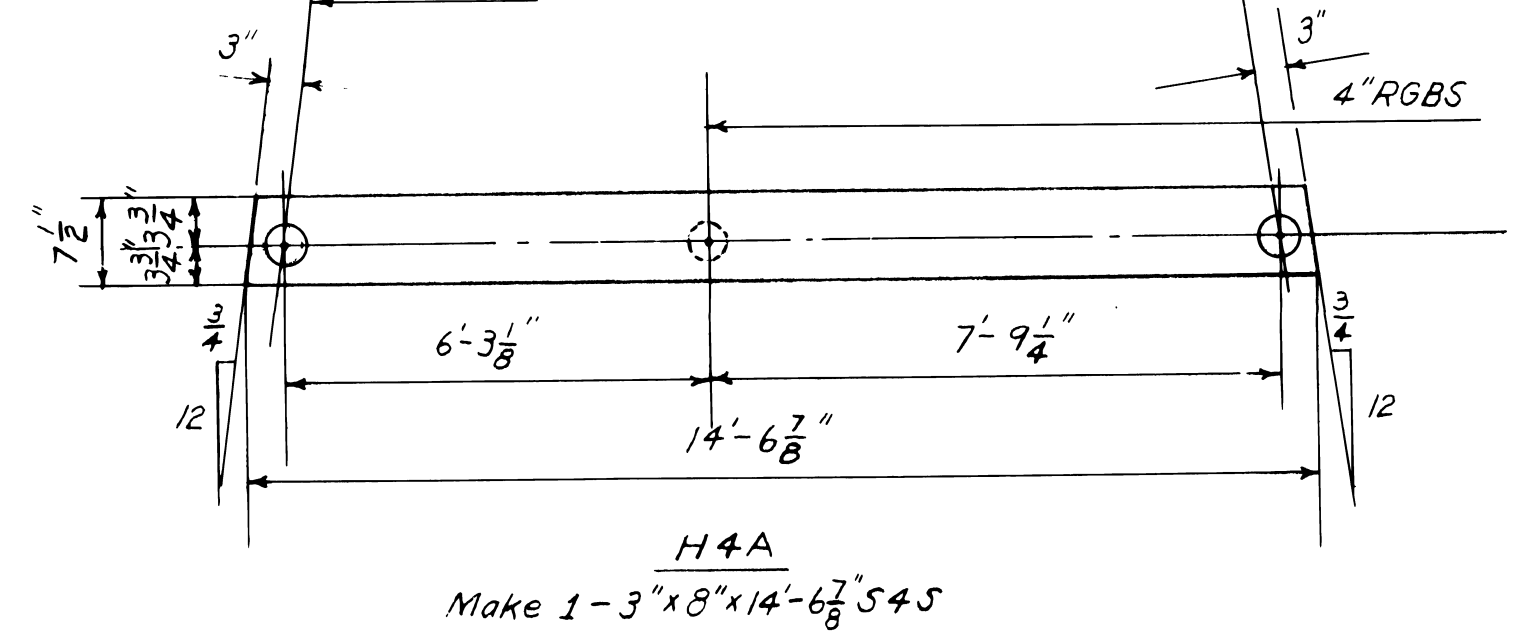
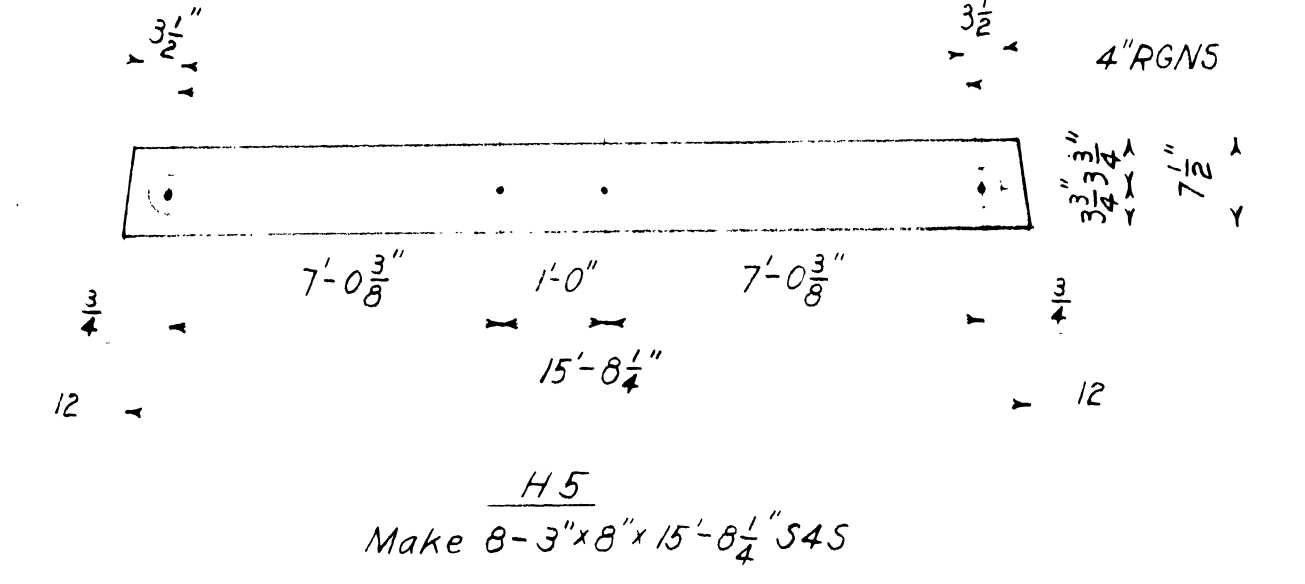
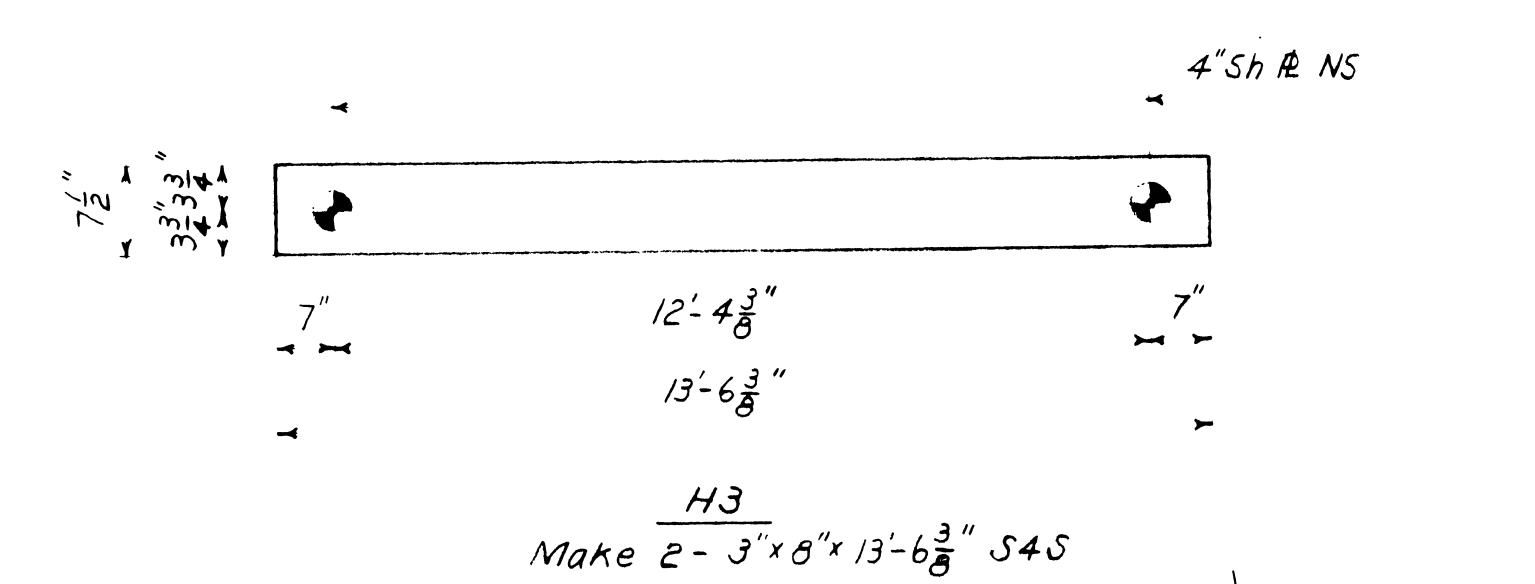
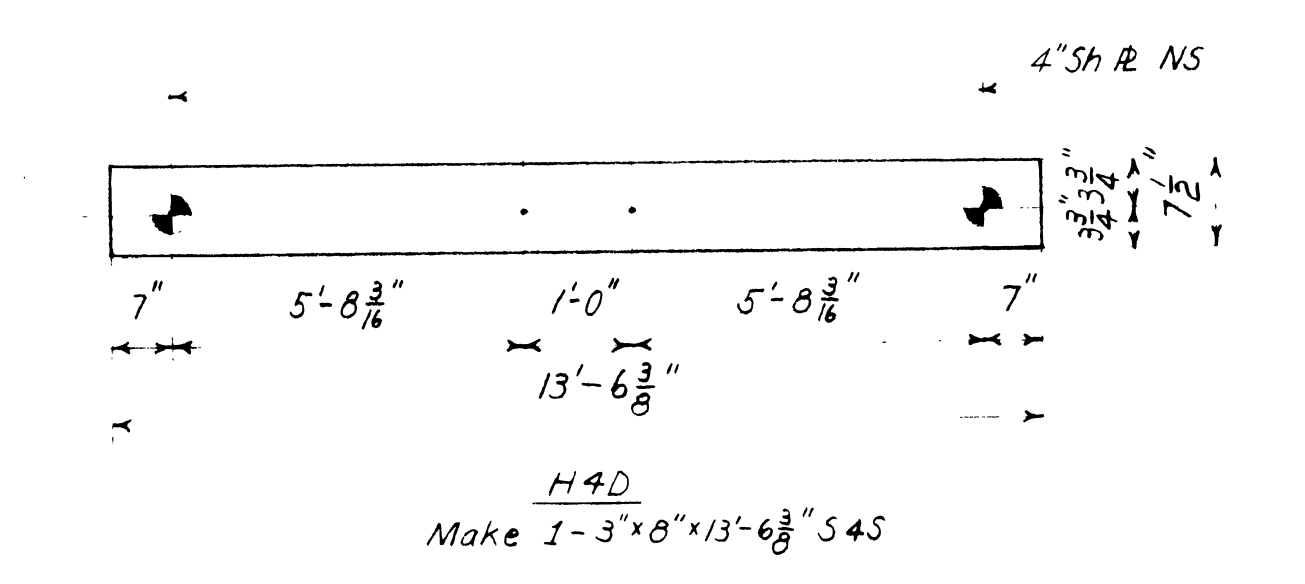
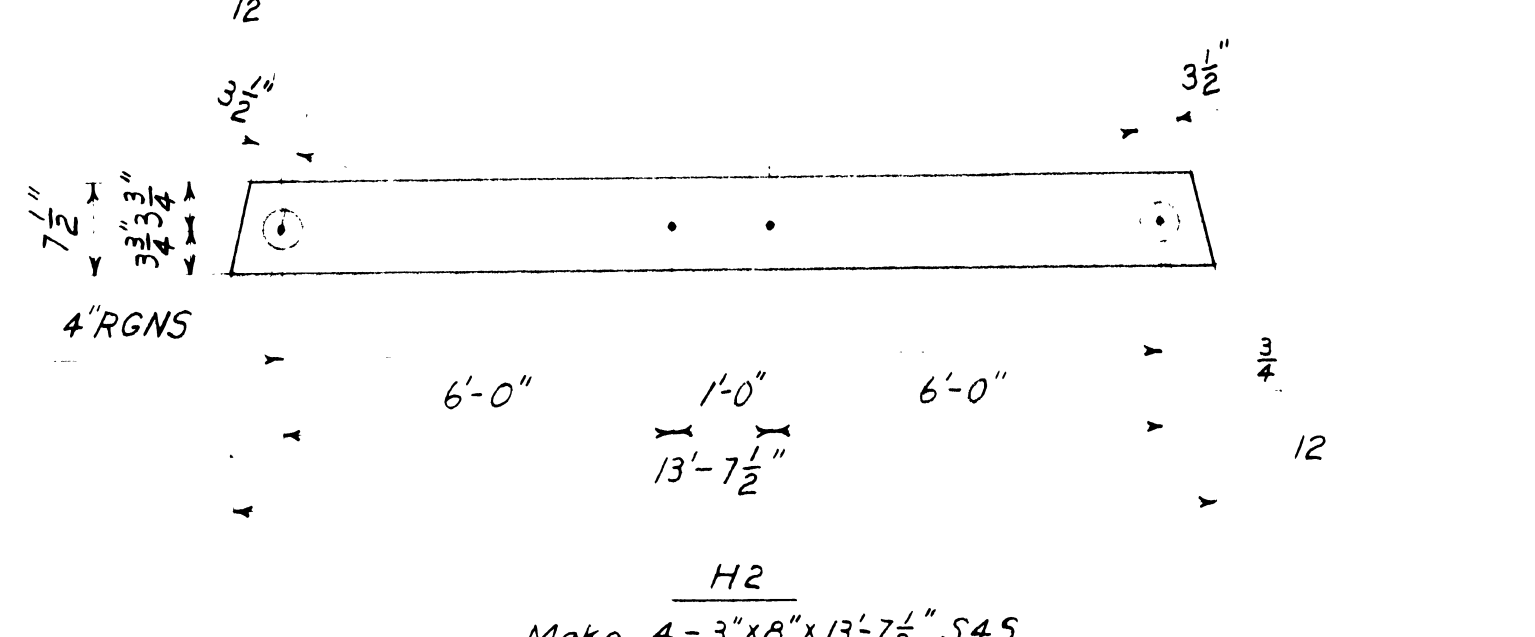
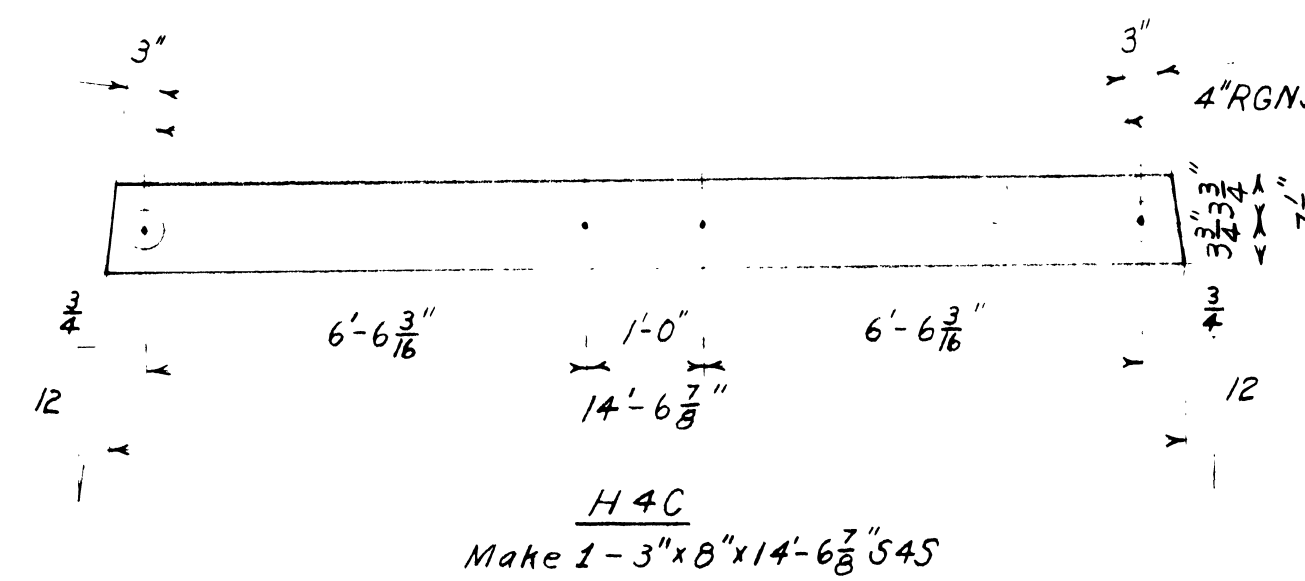
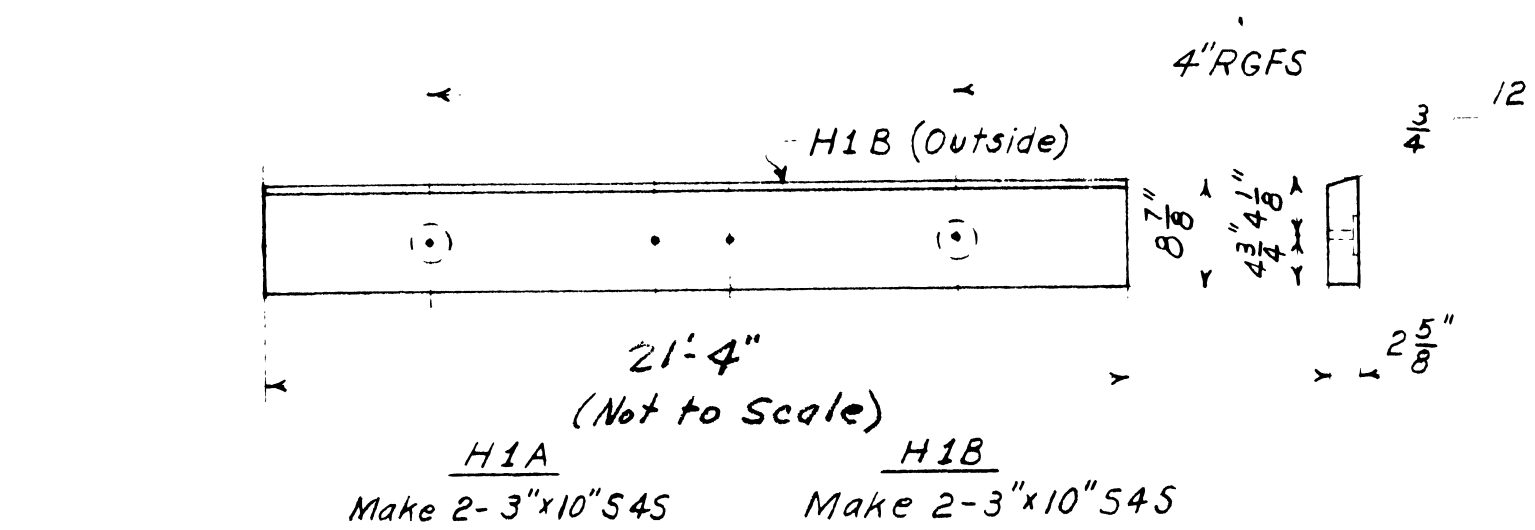
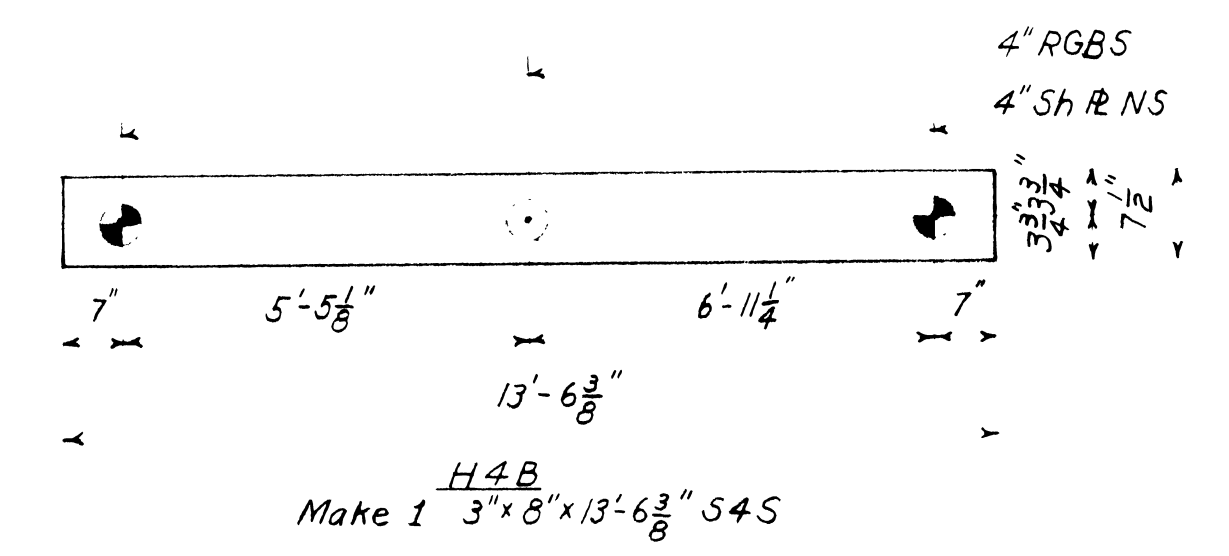
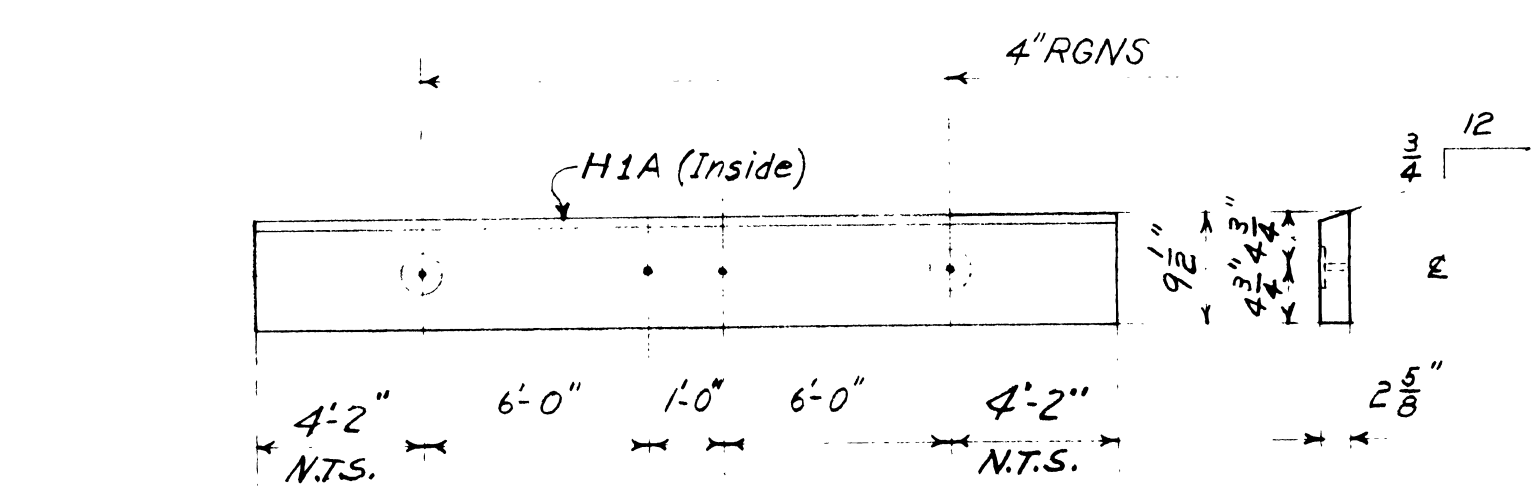
Bolts = Machine bolts with malleable iron washers
 S. R. = Split ring connectors
 S. P. = Shear plate connectors

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

41-FOOT TYPE TT-1
 TREATED TIMBER LOOKOUT TOWER
 For 15' x 15' HOUSE
 GENERAL ELEVATIONS
 MODIFIED FOR HOUSE B-4301

REV. 3-3-64-FB10-BAH
 Rev. 7-8-60 by C.K.D. (2444 S)
 Rev. 5-20-59 by N.E.S. (Diagonals)
 Rev. 6-11-58 by N.E.S. (Post house) C.K.D.
 Rev. 3-22-56 by B.D.E. (Diagonals)
 Rev. Aug. 1952 by B.D.E. (Diagonals)
 Rev. Jan. 1951 by B.B.P. (Splices)
 Revised Jan. 1950 by B.D.E.

DESIGNED W.C. DRAWN B.B.P. TRACED S.B.P.
 SCALE 1/4" = 1'-0" CHECKED S.B.P.
 APPROVED DATE 5-27-60
 ASSISTANT REGIONAL FORESTER

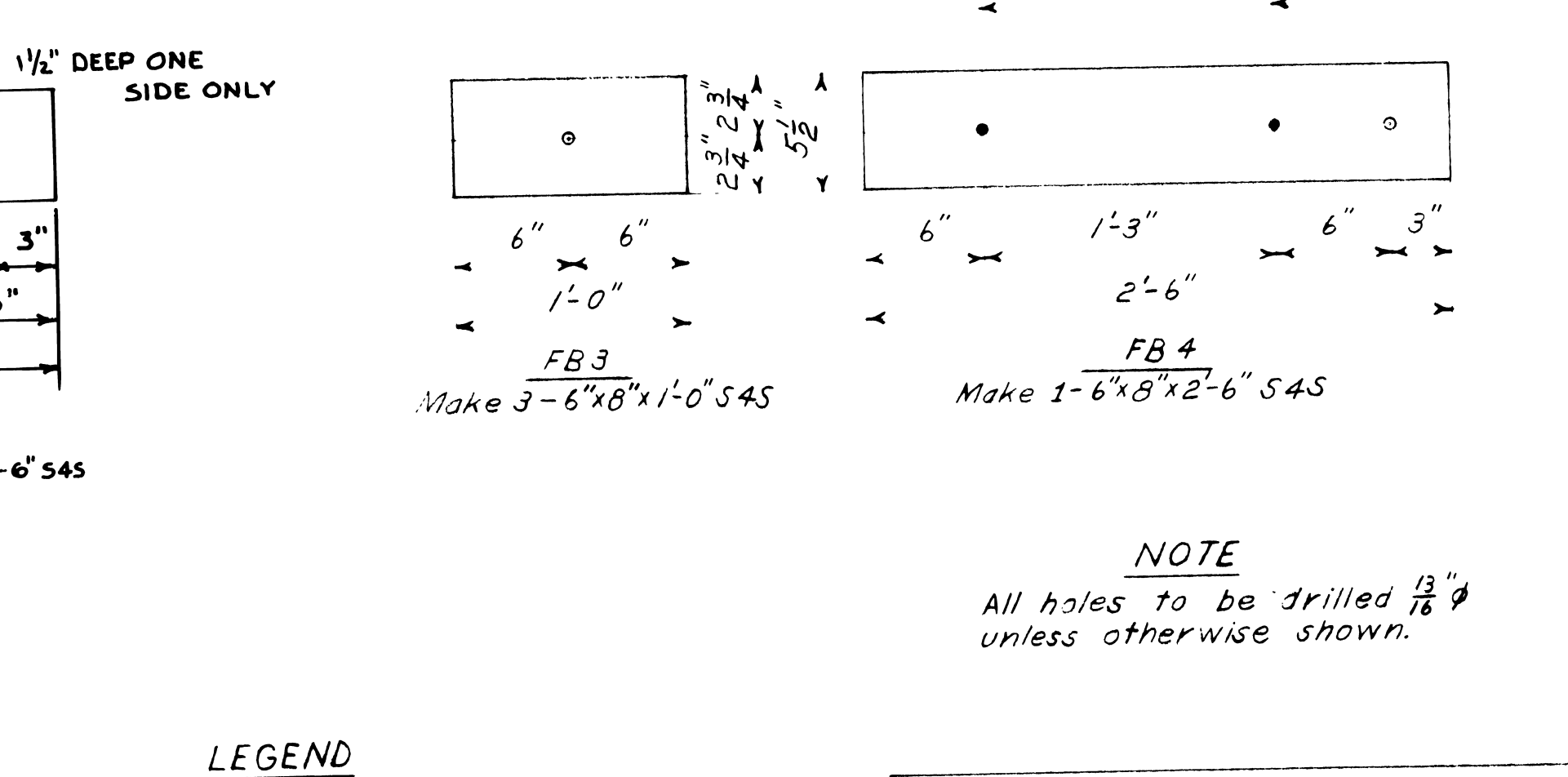
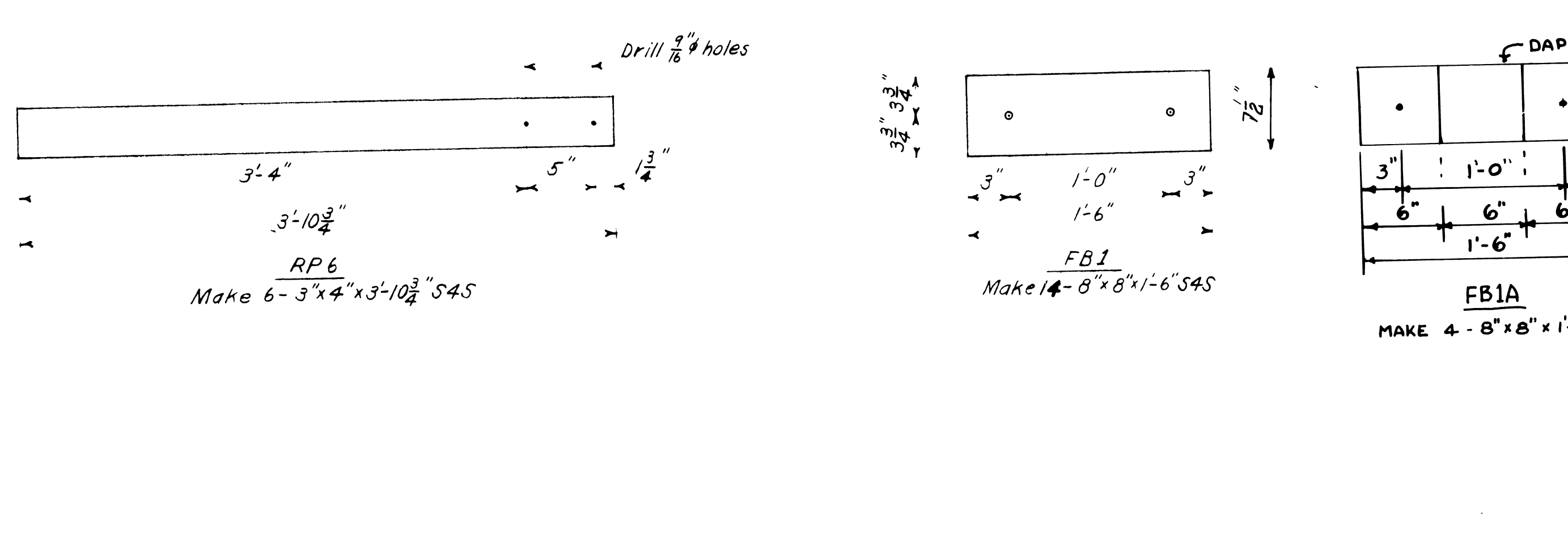
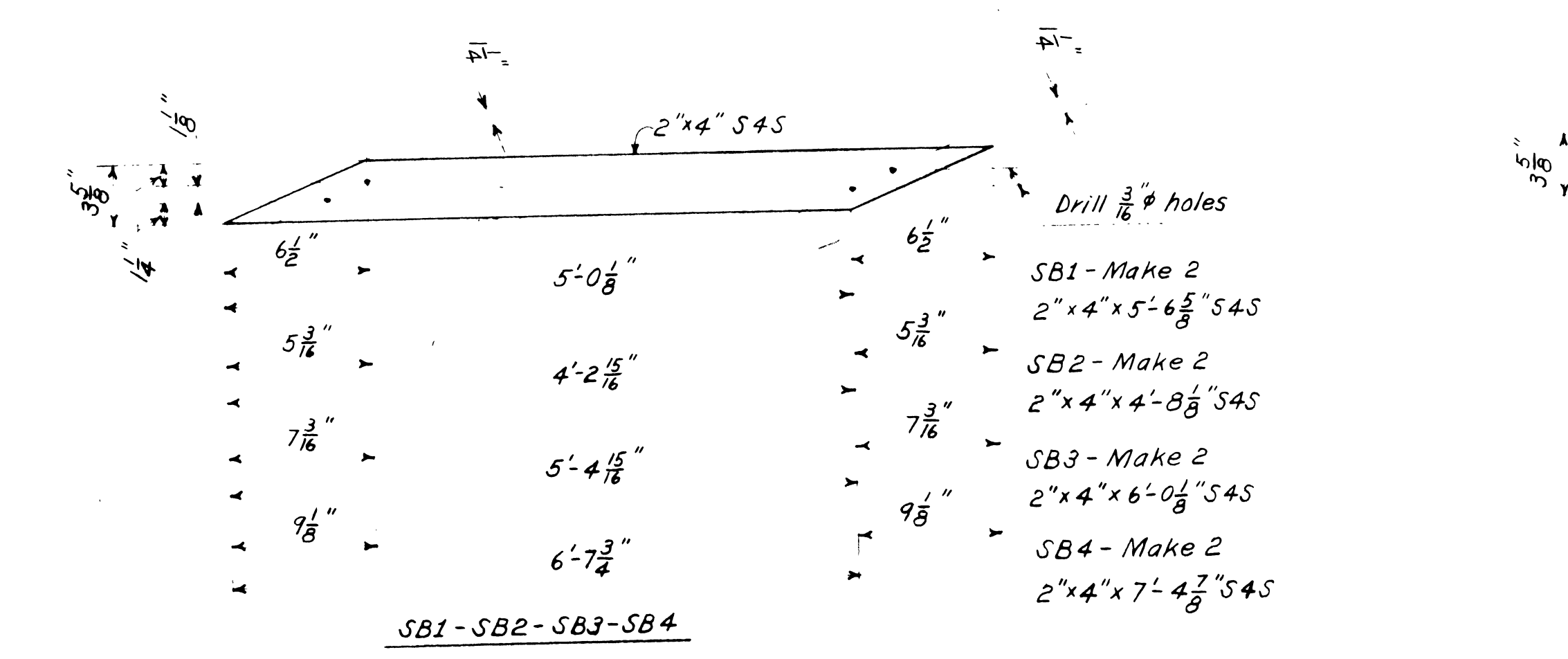
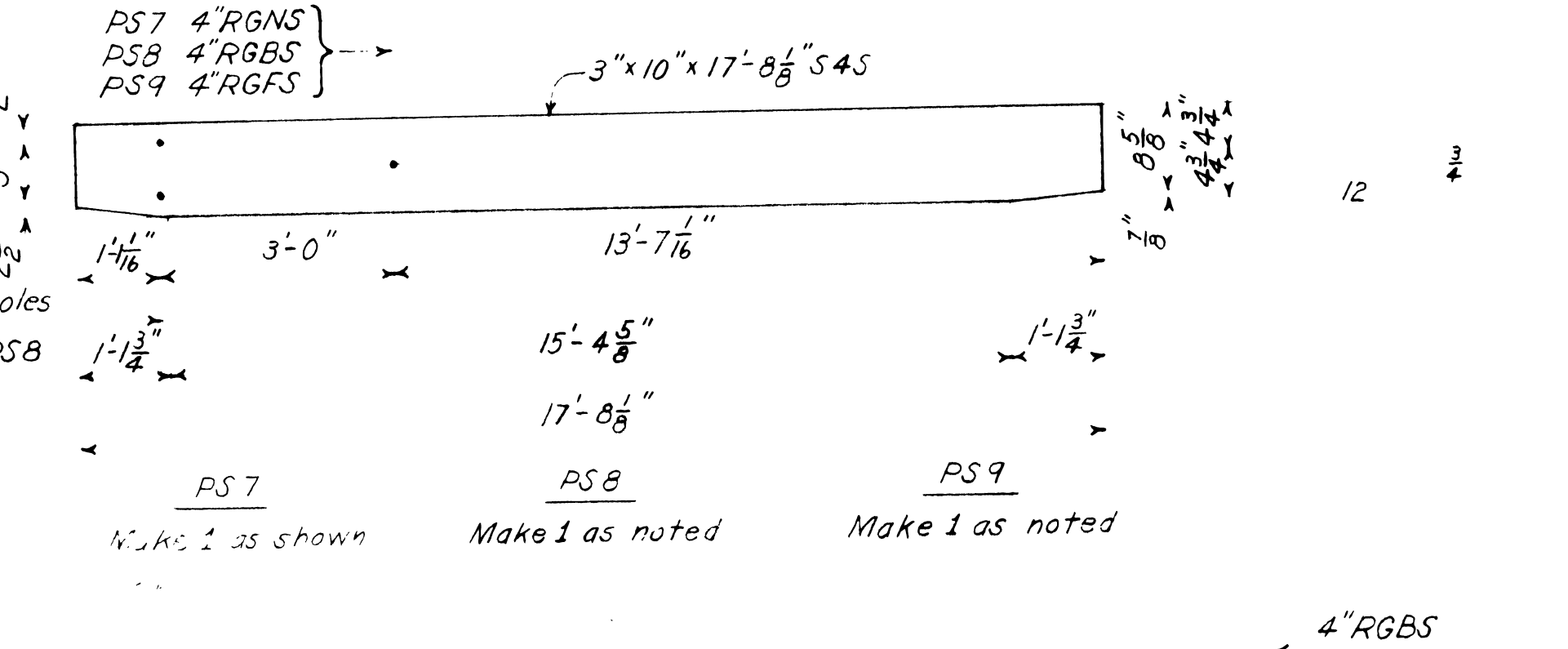
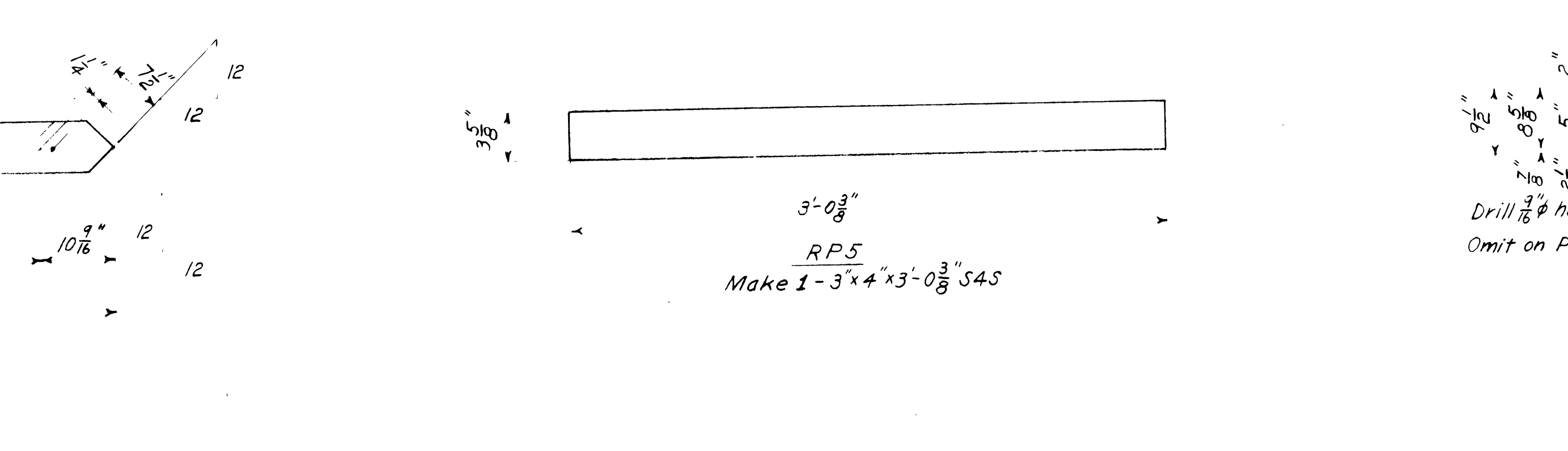
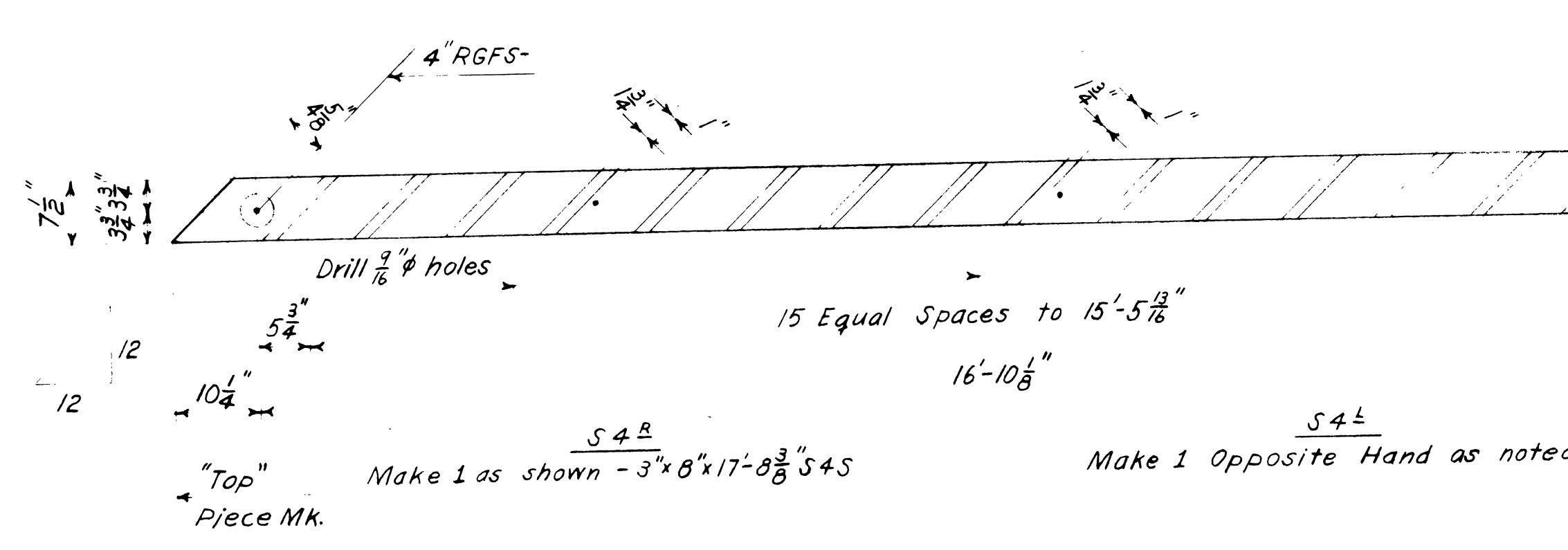
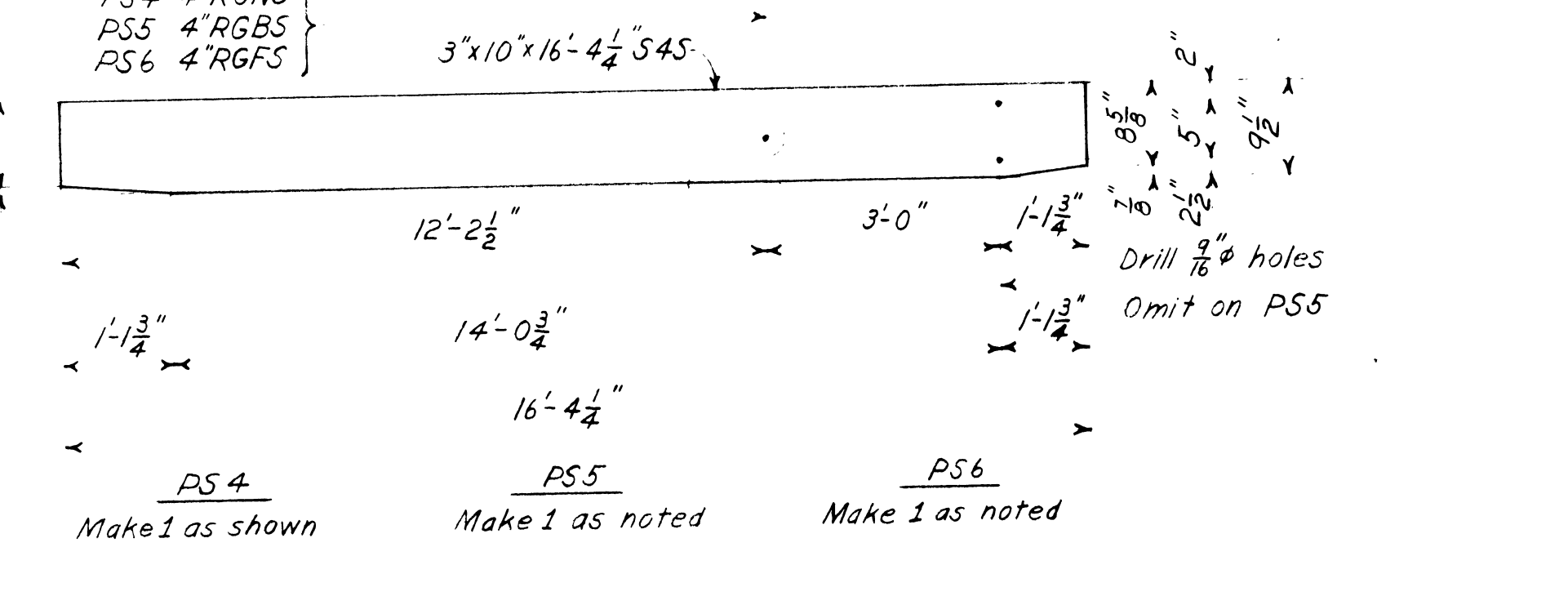
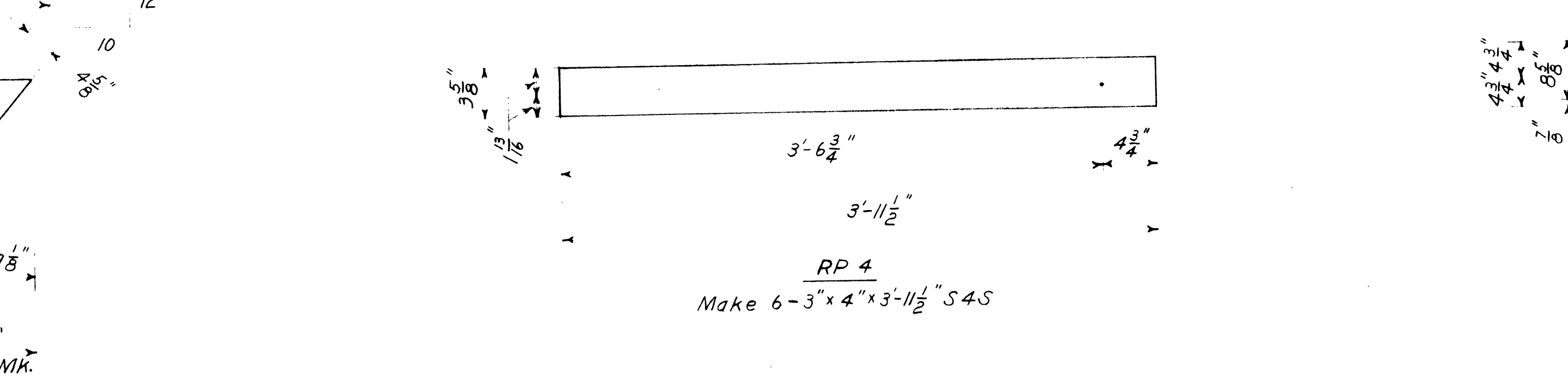
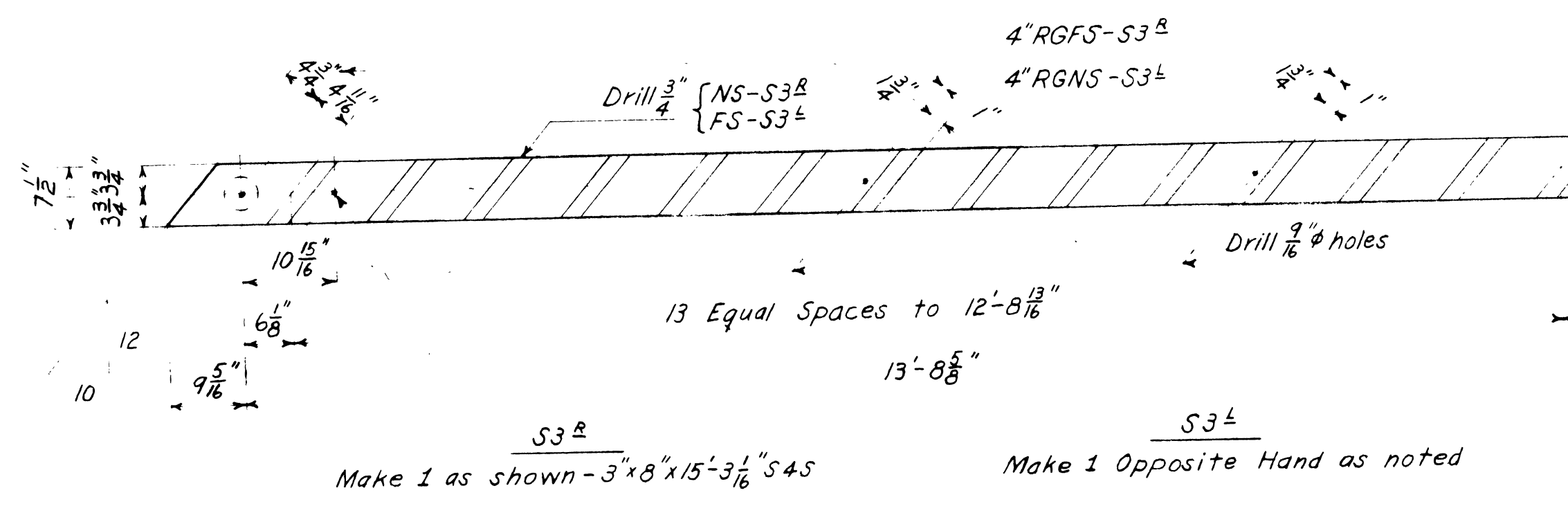
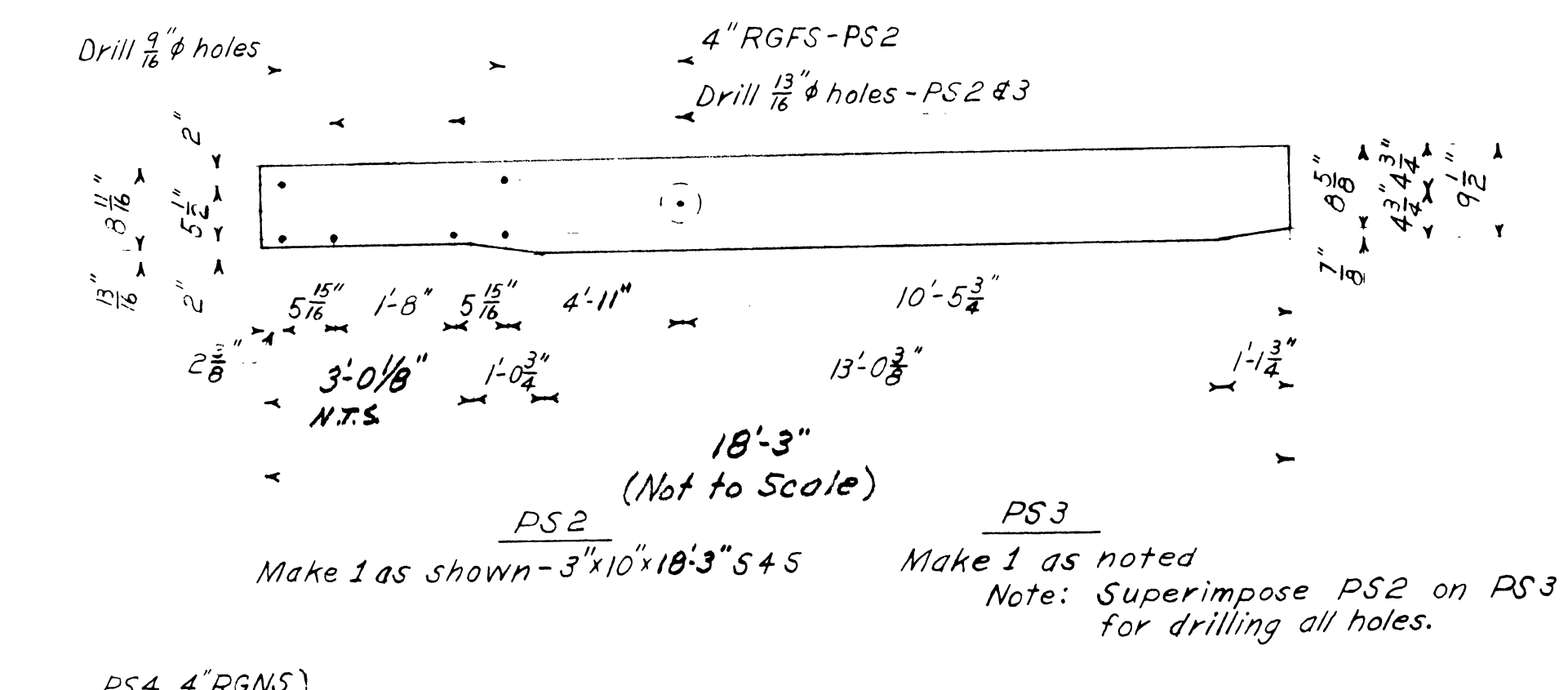
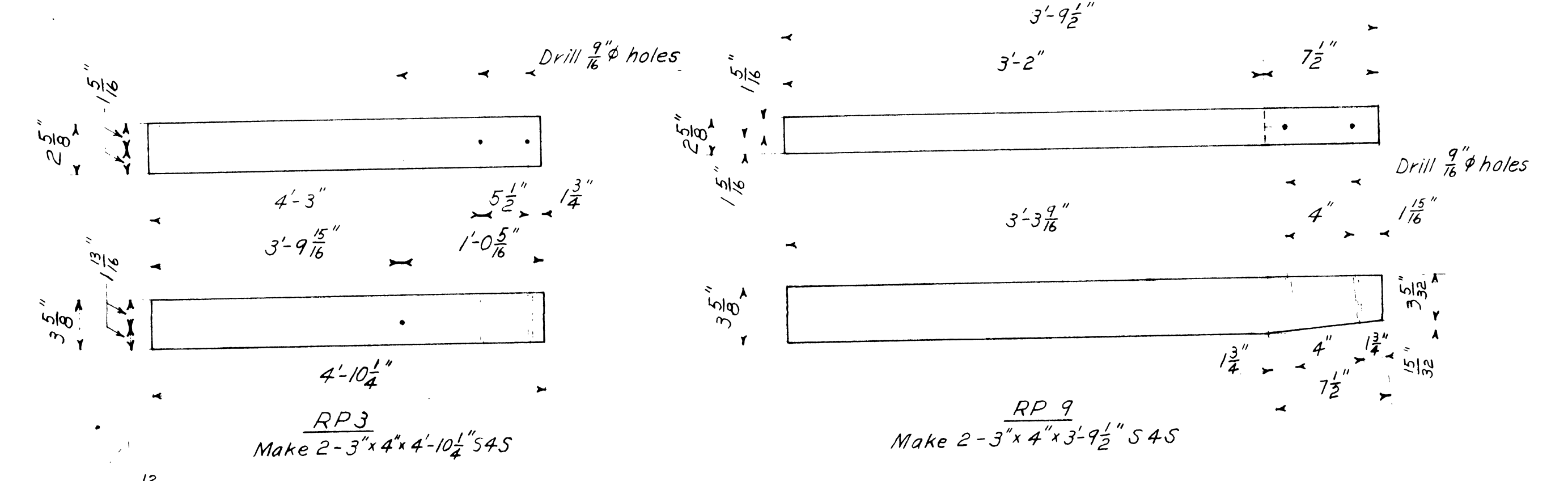
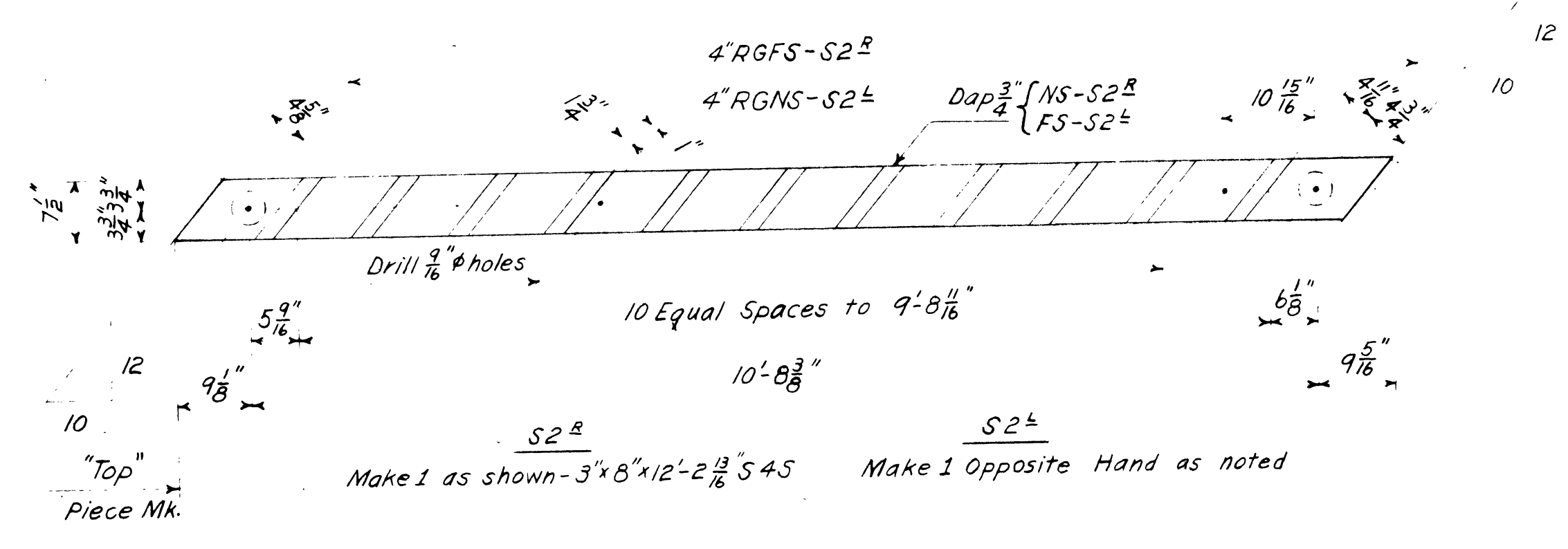
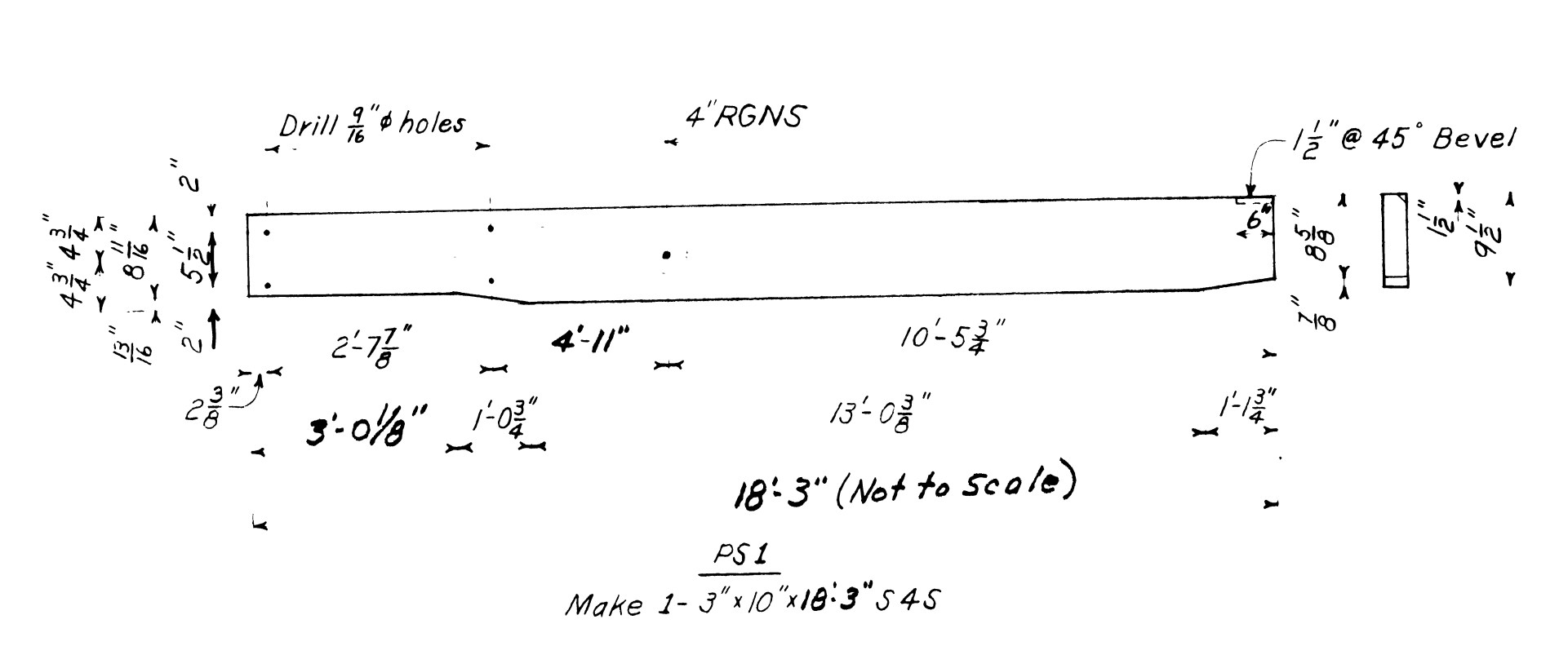
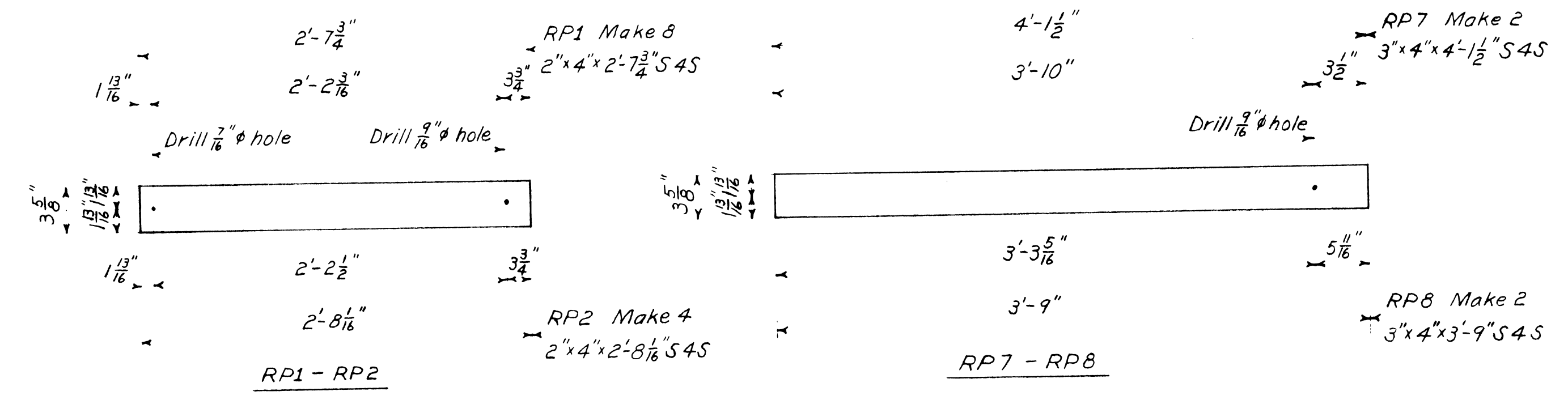
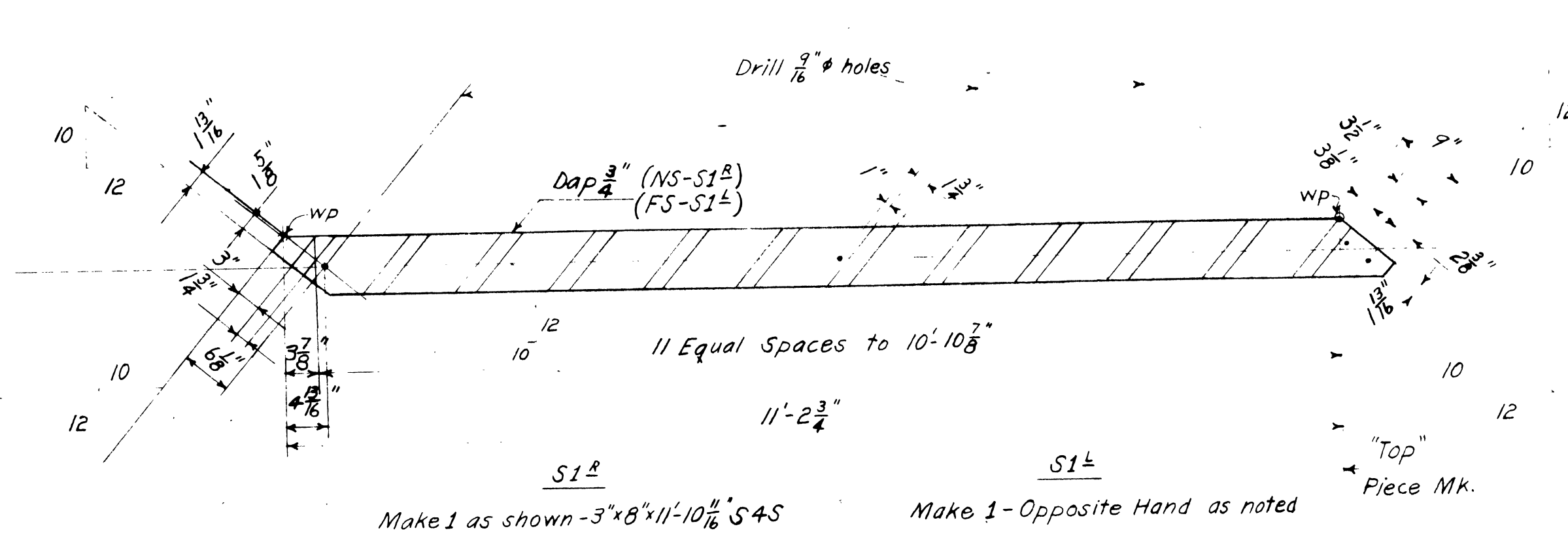


LEGEND
 4"RG, = 4" Ring Groove
 4'Sh R, = 4" Shear Plate
 - NS = Near Side
 - FS = Far Side
 - B S = Both Side

Rev. 7-8-60 C.V.D. (DSI)
 Rev. 12-23-59 M.S. (Diagonals)
 Rev. 1-20-59 M.S. (Diagonals)
 Rev. 6 May 58 C.T.D. (for house)
 Rev. 3-22-56 by B.D.E. (Diagonals)
 Rev. 1-1-48 by B.D.E. (Diagonals)
 Revised Jan 1950 by B.D.E.

NOTE
 Drill all holes 1/16" unless otherwise shown.

REV. 3-3-64 - H7, H7A BAH
 U.S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION SIX JAMES FRANKLAND, REGIONAL ENGINEER
 41-FOOT TYPE TT-1
 TREATED TIMBER LOOKOUT TOWER
 SHOP DETAILS
 MODIFIED FOR HOUSE B-4301
 DESIGNED W.G. DRAWN B.B.R. TRACED B.D.E.
 SCALE NO SCALE CHECKED
 APPROVED DATE 1-6-58
 ASSISTANT REGIONAL FORESTER



NOTE
All holes to be drilled $\frac{3}{8}$ " unless otherwise shown.

LEGEND
4" RG-NS (circle with dot) 4" Ring Grove - Near Side
4" RG-FS (circle with dot) - Far Side
4" RG-BS (circle with dot) - Both Sides

NOTE: FIELD DRILL $\frac{3}{8}$ " HOLES FOR $\frac{3}{8}$ " CARR. BOLTS AT TOP (LEFT) OF RP3-4-6-7-8-9. (SEE SH. 3-4-9).

REV 3-6-64 RPNOTE BAH
REV. 3-3-64 FBIA ADDED BAH
Rev. 1-18-61 by L.E.M. (FB1)
Rev. 7-8-60 by C.V.D. (PS1)
Rev. 1-21-59 by NES (Diagonal)
Rev. May 58 (For House) SDP
Revised Aug. 1952 by B.D.E.
Revised Jan. 1950 by B.D.E.

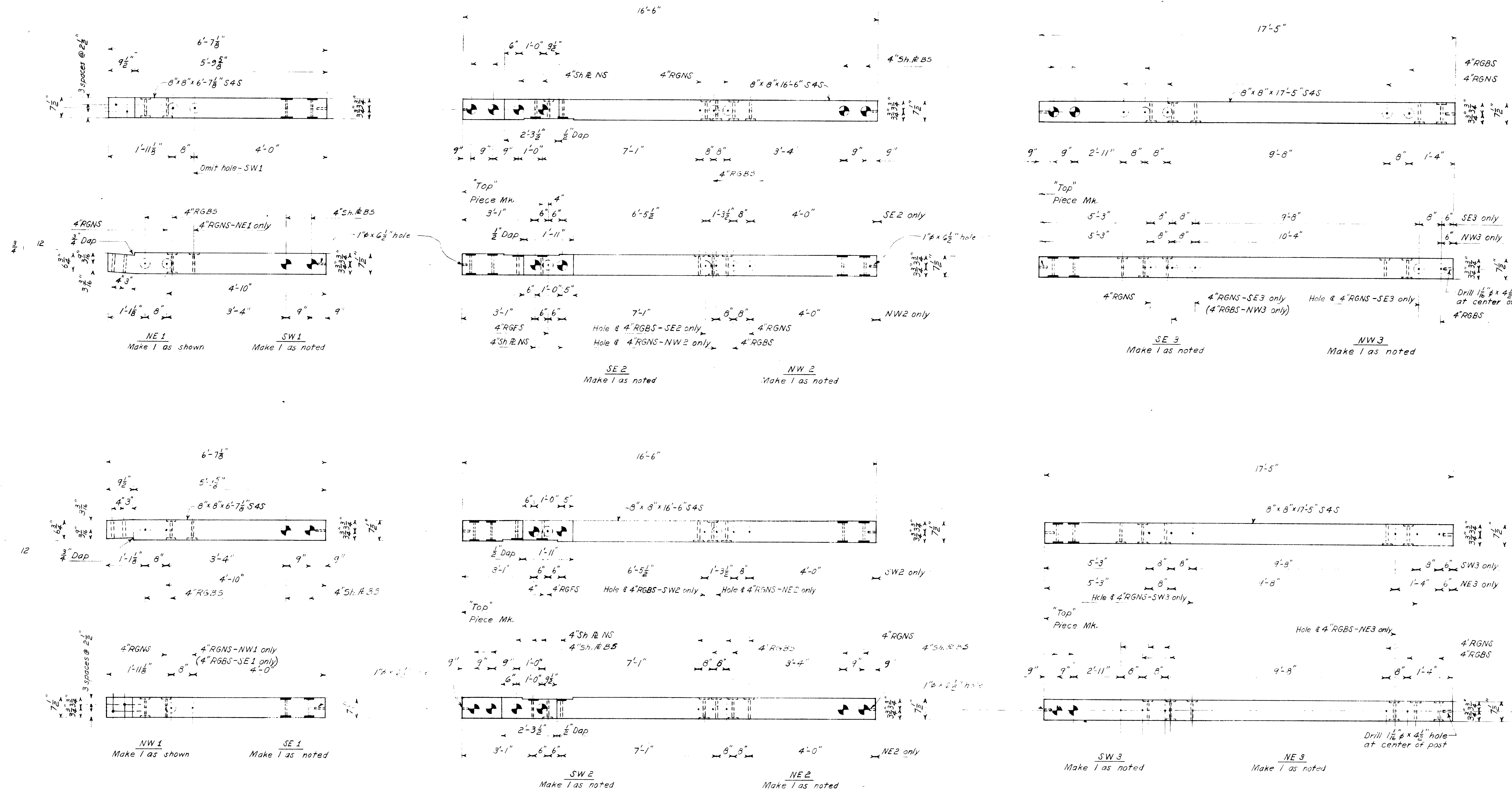
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION SIX JAMES FRANKLAND, REGIONAL ENGINEER

41-FOOT TYPE TT-1
TREATED TIMBER LOOKOUT TOWER

SHOP DETAILS
MODIFIED FOR HOUSE B-4301

DESIGNED W.G. DRAWN B.A.R. TRACED B.D.E.
SCALE NO SCALE CHECKED C.V.D.
APPROVED DATE 1-17-50
ASSISTANT REGIONAL FORESTER

FB-6
Make 4 as shown - 8"x8" (NET) x1'-6"



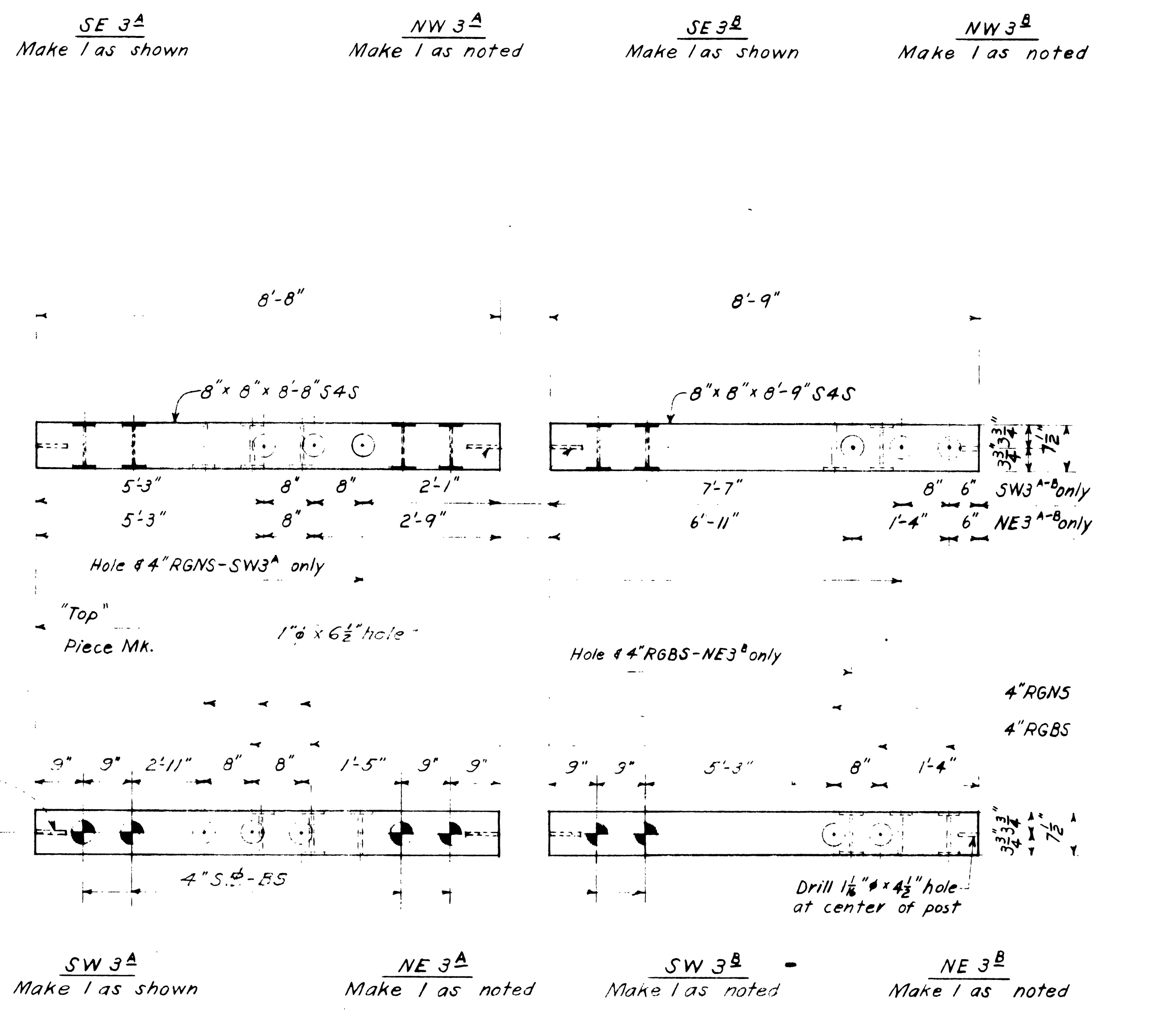
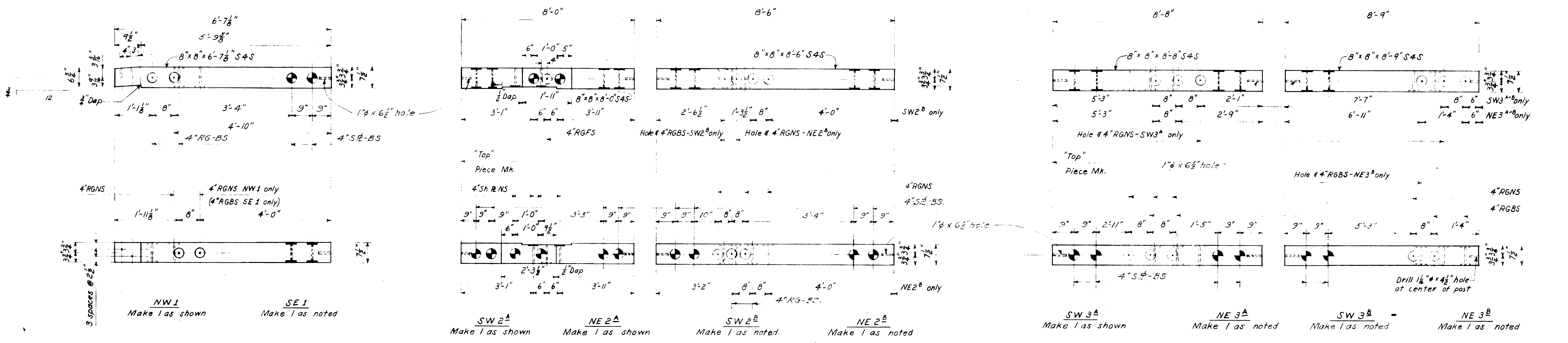
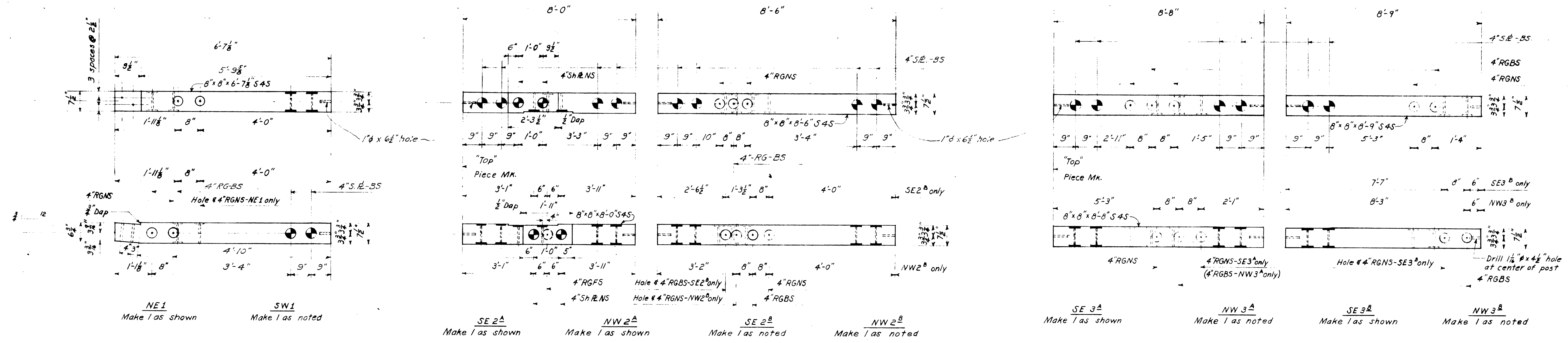
NOTE
 Drill all holes $\frac{13}{16}$ "
 unless otherwise shown.

LEGEND

- 4" RG-NS • 4" Ring Grove - Near Side
- 4" RG-FS • 4" Ring Grove - Far Side
- 4" RG-BS • 4" Ring Grove - Both Sides
- 4" Sh. Pl. NS • 4" Shear Plate - Near Side

Rev. 1-21-59 by MES (Diagonal)
 Rev. 6 May 58 GTO (For House)
 Rev. Jan. 1-51 by S.H. (Splices)
 Rev. 1-3 Feb. 1950 by B.O.E.

U. S. DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION SIX JAMES FRANKLAND, REGIONAL ENGINEER
 41-FOOT TYPE TT-1
 TREATED TIMBER LOOKOUT TOWER
 TRUCK HAUL TOWER
 SHOP DETAILS
 MODIFIED FOR HOUSE B-4301
 DESIGNED W.S. DRAWN B.B.R. TRACED B.O.E.
 SCALE NO SCALE CHECKED DATE
 APPROVED ASSISTANT REGIONAL FORESTER DATE 2-8-50



- LEGEND**
- 4" RG-NS,
 - 4" RG-FS,
 - 4" RG-B,
 - 4" Sh R-NS,
 - 4" Sh R-FS,
 - 4" Sh R-B,

4" Sh R = 4" Shear Plate
 -NS = Near Side
 -FS = Far Side
 -B = Both Sides
 -RG = 4" Ring Groove
 Revised Jan. 1951 by A.W.K.
 Revised Jan. 1950 by B.D.E.

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

41-FOOT TYPE TT-1
 TREATED TIMBER LOOKOUT TOWER
 HORSE PACK TOWER

SHOP DETAILS
 MODIFIED FOR HOUSE B-4301
 DESIGNED W.G. DRAWN B.B.P. TRACED B.D.E.
 SCALE No Scale CHECKED L.C.
 APPROVED DATE 1-13-50
 ASSISTANT REGIONAL FORESTER

GENERAL BILL OF MATERIAL

ITEM NO.	MARK	SIZE	LENGTH	DESCRIPTION (S4S)	
1	4	H2	3"x8"	13'-7 1/2"	Horizontal's
2	2	H3	3"x8"	13'-6 3/8"	"
3	1	H4A	3"x8"	14'-6 3/8"	"
4	1	H4B	3"x8"	13'-6 3/8"	"
5	1	H4C	3"x8"	14'-6 3/8"	"
6	1	H4D	3"x8"	13'-6 3/8"	"
7	8	H5	3"x8"	15'-8 1/2"	"
8	8	H6	4"x8"	17'-0 1/8"	"
9	7	H7	4"x8"	18'-4 5/8"	"
10	2	D1 1/0	3"x6"	10'-8 1/2"	Diagonals
11	2	D2 1/0	3"x6"	10'-0 3/4"	"
12	2	D3 1/0	3"x6"	11'-1"	"
13	6	D4 L/R	3"x6"	16'-0 5/8"	"
14	6	D5 L/R	3"x6"	16'-11 1/2"	"
15	8	D6 1/4	3"x6"	19'-1 1/2"	"
16	6	D7 L/R	3"x8"	20'-5 13/16"	"
17	2	D8 1/0	3"x8"	20'-2 1/16"	"
18	18	FB1(A)	8"x8"	1'-6"	Fill Blocks
19	4	FB-6	8"x8"	1'-6"	"
20	3	FE3	6"x8"	1'-0"	"
21	1	FB4	6"x8"	2'-5"	"
22	2	FB5	6"x8"	2'-0"	"
23	2	DS1	3"x6"	3'-6"	Splice Plate
24	8	RP1	2"x4"	2'-7 1/2"	Handrail Posts
25	4	RP2	2"x4"	2'-8 1/16"	"
26	2	RP3	3"x4"	4'-10 1/4"	Rail Posts
27	6	RP4	3"x4"	3'-11 1/2"	"
28	1	RP5	3"x4"	3'-0 3/8"	"
29	6	RP6	3"x4"	3'-10 3/4"	"
30	2	RP7	3"x4"	4'-1 1/2"	"
31	2	RP8	3"x4"	3'-9"	"
32	2	RP9	3"x4"	3'-9 1/2"	"
33	2	SB1	2"x4"	5'-6 3/8"	Sway Brace
34	2	SB2	2"x4"	4'-8 1/8"	"
35	2	SB3	2"x4"	6'-0 1/8"	"
36	2	SB4	2"x4"	7'-4 3/8"	"
37	2	S1 1/4	3"x8"	11'-10 1/16"	Stair Stringers
38	2	S2 1/4	3"x8"	12'-2 13/16"	"
39	2	S3 1/4	3"x8"	15'-3 1/16"	"
40	2	S4 1/4	3"x8"	17'-8 3/8"	"
41	1	C1	2"x6"	2'-5 1/4"	Stair Stringer Bolting Str.
42	2	C2	2"x8"	3'-7 3/8"	Platform Stringer Cleats
43	4	C3	2"x8"	5'-6 1/4"	"
44	1	C4	2"x8"	2'-0"	Stair Sill Header
45	1	C5	3"x6"	2'-9"	Stair Stringer Footing Str.
46	1	PS1	3"x10"	18'-3"	Platform Stringer
47	1	PS2	3"x10"	18'-3"	"
48	1	PS3	3"x10"	18'-3"	"
49	1	PS4	3"x10"	16'-4 1/4"	"
50	1	PS5	3"x10"	16'-4 1/4"	"
51	1	PS6	3"x10"	16'-4 1/4"	"
52	1	PS7	3"x10"	17'-8 1/8"	"
53	1	PS8	3"x10"	17'-8 1/8"	"
54	1	PS9	3"x10"	17'-8 1/8"	"
60	2	H1A	3"x10"	21'-4"	Top horizontals
61	2	H1B	3"x10"	21'-4"	"
62	1	H7A	4"x8"	18'-4 3/8"	Horizontal
Approximate Total FBM				3462	

SUPPLEMENTARY BILL OF MATERIAL

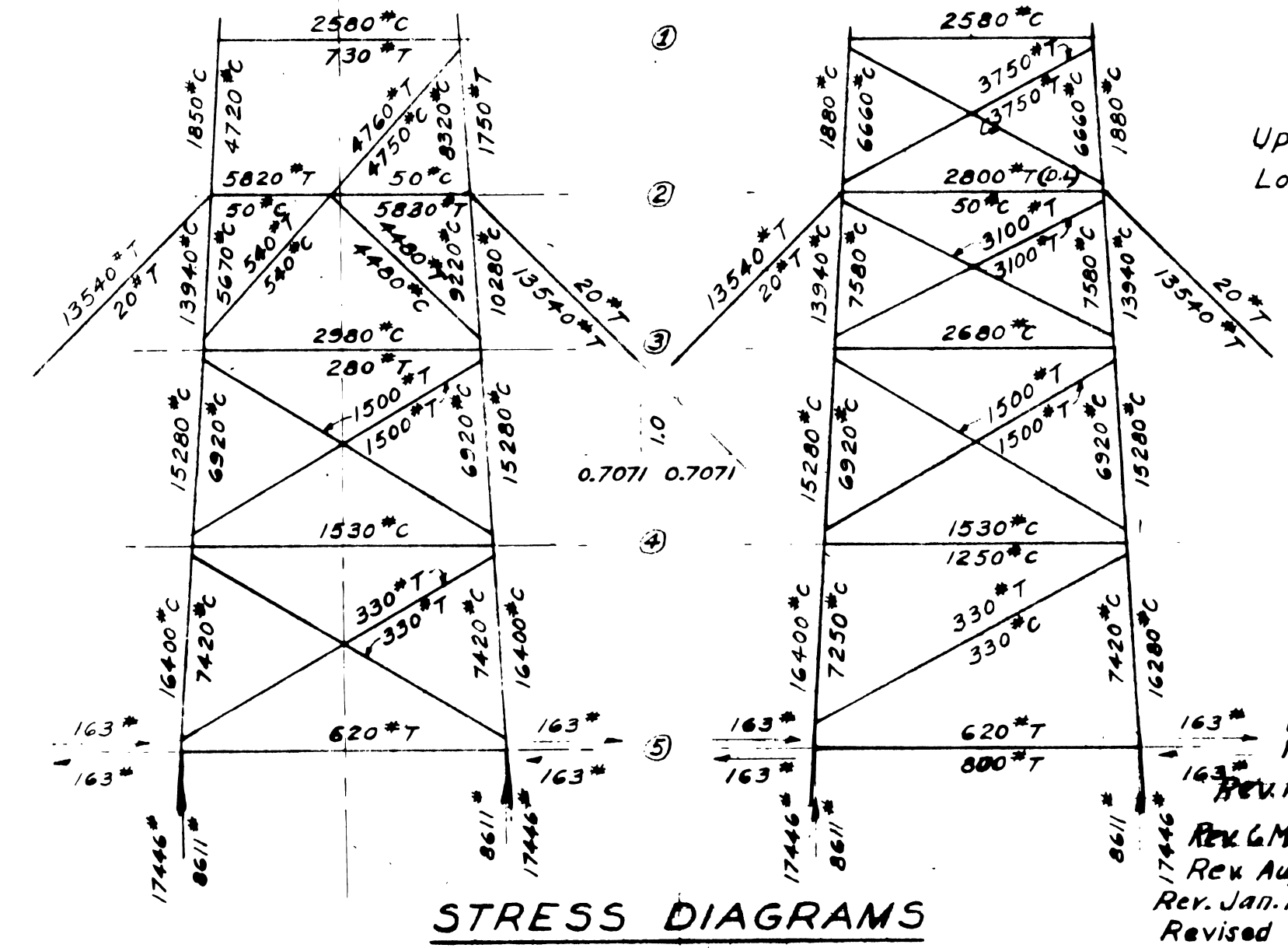
ITEM NO.	MARK	SIZE	LENGTH	DESCRIPTION	
FOR HORSE-PACK TOWERS ONLY					
57	4	1	8"x8"	6'-7 3/8"	Top Posts
58	4	2A	8"x8"	8'-0"	2nd. Posts
59	4	2B	8"x8"	8'-6"	3rd. Posts
60	4	3A	8"x8"	8'-8"	4th. Posts
61	4	3B	8"x8"	8'-9"	Bottom Posts
62					
Approximate Total FBM 865					
FOR TRUCK-HAUL TOWERS ONLY					
57A	4	1	8"x8"	6'-7 3/8"	Top Posts
58A	4	2	8"x8"	16'-6"	Intermediate Posts
59A	4	3	8"x8"	17'-5"	Bottom Posts
60A					
Approx. Total FBM				865	

SUMMARY OF TOTAL TREATED TIMBER

BILL OF MATERIAL	HORSE-PACK	TRUCK-HAUL
GENERAL	3190 FBM	3190 FBM
FOR HORSE-PACK	865	
FOR TRUCK-HAUL		865
APPROX. TOTAL FBM	4055 FBM	4327 FBM

BILL OF UNTREATED LUMBER

ITEM NO.	SIZE	LENGTH	DESCRIPTION
1	2	2"x4"	8'-0" Stair Rails (4th. flight)
2	2	2"x4"	12'-0" " " (3rd. flight)
3	2	2"x4"	15'-0" " " (2nd. flight)
4	2	2"x4"	18'-0" " " (1st. flight)
5	12	2"x6"	6'-0" Platform Planks (2nd. & 3rd. landing)
6	8	2"x6"	7'-0" " " (4th. landing)
7	2	2"x6"	8'-0" " " (1st. landing)
8	11	2"x10"	11'-0" Stair Treads
9	4	3"x4"	6'-0" Platform Rails (2nd. & 3rd. landing)
10	6	3"x4"	7'-0" " " (1st., 2nd. & 3rd. ")
11	3	3"x4"	9'-0" " " (4th. landing)
12	1	3"x4"	12'-0" " " (4th. landing)
TOTAL FBM			337



NOTE
Upper values for wind from left.
Lower values for wind from right.

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

4I-FOOT TYPE TT-1
TREATED TIMBER LOOKOUT TOWER
MODIFIED FOR HOUSE B-4301
BILL OF LUMBER

DESIGNED W.G. SCALE NO SCALE
APPROVED [Signature] DATE 8-18-48

TRACED CHECKED [Signature] DATE 8-18-48

BILL OF HARDWARE					
ITEM	DESCRIPTION	NO.	SIZE	LENGTH	LOCATION
1	Tie rods w/2 sq. nuts	7	1/2" φ	2'-10 1/2"	Stair stringers thru RP1 & 2
2	Split ring connectors	156	4"		Web member & stair str connections
3	Shear plate connectors	56	4"		Gusset plate connections
4	Carriage bolts w/sq. nut	20	3/8" φ	4"	Stair rails to RP1 & 2
5	" " " " "	10	3/8" φ	5"	" " " RP3, 4 & 7
6	" " " " "	27	3/8" φ	6"	Platform rails to RP3, 4, 6, 8 & 9
7	" " " " "	13	3/8" φ	7"	" " " RP3 & 6
8	" " " " "	7	3/8" φ	7 1/2"	Platform & stair rails to RP4 & 8
9	" " " " "	2	3/8" φ	8 1/2"	Platform rail to RP5
10	" " " " "	2	3/8" φ	10 1/2"	Platform & stair rails to RP5
11	" " " " "	2	3/8" φ	8"	Stair rail to house sills
12	Machine bolts w/sq. nut				
13	" " " " "	19	1/2" φ	6 1/2"	Stair & platform str. to RP3, 6, 7 & 8
14	" " " " "	3	1/2" φ	7"	Stair str. S1 ^a to house sill
15	" " " " "	5	1/2" φ	8 1/2"	Horizontal HTA to RP9
16	" " " " "	7	1/2" φ	11"	Platform stringers to RP3 & S14
17	" " " " "	21	3/4" φ	5"	Diagonals D4, 5, & H4 to gusset plates.
18	" " " " "	23	3/4" φ	7"	Diagonal intersection
19	" " " " "				
20	" " " " "	5	3/4" φ	8"	Snow post
21	" " " " "	3	3/4" φ	8 1/2"	G1 to platform stringers PS2 & 3
22	" " " " "	3	3/4" φ	9 1/2"	Gusset plates to posts
23	" " " " "	10	3/4" φ	9 1/2"	Stair footing & stringers to RP4
24	" " " " "				
25	" " " " "	60	3/4" φ	12"	Diag. H4A, & H4C to posts
26	" " " " "	2	3/4" φ	13"	RP4 to platform stringers PS2 & 3
27	" " " " "	9	3/4" φ	22"	House sills to posts
28	" " " " "	52	3/4" φ	15"	D1, 2, 3, 8, 9 and horizontals
29	" " " " "	37	3/4" φ	17"	Horizontals H6 & H7
30	" " " " "	4	3/4" φ	18"	Splice plates SP1 to D1 & D2
31	Wrought iron washers	76	3/8"		Carriage bolts
32	Malleable iron washers	120	1/2"		1/2" φ machine bolts
33	" " " " "	479	3/4"		3/4" φ " "
34	Dowels (plain)	5	1/8" φ	12"	Snow post footings
35	" " " " "	5	1" φ	12"	Tower post footings
36	Common nails	4 lbs.	40d		Stair sway braces & snow post
37	" " " " "	30 lbs.	20d		Platform plank, cleats, & treads
Approx. Total Weight					300 lbs.
ADD FOR TRUCK HAUL TOWERS					
38	Shear plate connectors	67	4"		Post splices
39	Machine bolts w/sq. nut	34	3/4" φ	10 1/2"	" "
40	Malleable iron washers	68	3/4"		3/4" φ machine bolts
41	Dowels (plain)	9	1/8" φ	12"	Post splices
Approx. Total Weight					156 lbs.
ADD FOR HORSE PACK TOWERS					
38A	Shear plate connectors	134	4"		Post splices
39A	Machine bolts w/sq. nut	67	3/4" φ	10 1/2"	" "
40A	Malleable iron washers	134	3/4"		3/4" φ Machine bolts
41A	Dowels (plain)	16	1/8" φ	12"	Post splices
Approx. Total Weight					308 lbs.

Number required includes 1 extra for 20 or less or 5% extra for over 20.
All items to be galvanized 2oz.

BILL OF HARDWARE AS DETAILED ON SHEET L-21201					
ITEM	DESCRIPTION	NO.	SIZE	LENGTH	LOCATION
1	Reinforcing steel-straight	44	1/2" φ	6'-1"	Guy anchor horizontals
2	" " - bent	40	1/2" φ	8'-9"	" " stirrups
3	Guy anchor assembly	4			Guy anchors
4	Wire rope clips	17	3/4"		" ropes
5	Snow post anchor strap	4	3" x 3/8"	x 2'-5 1/2"	Snow post footing
6	" " cap	4	4" x 1/4"	x 1'-10"	" "
7	" " U-Bolts	8	1/2" φ	5 3/8"	" " cap
8	Gusset Plates-GP1 1/4	4	from 140" x 1/2" x 8'-0"		Tower guy connection
9	Gusset Plates-GP2 1/4	4	cut 8 pieces		" " "
10	Hook bolts w/sq. nut	13	3/4" φ	2'-2"	Platform stringers
11	Splice plate-PS 1	32	6" x 1/2"	x 3'-6" φ	Post splice - Horse Pack
11A	Splice plate-PS 1	16	6" x 1/2"	x 3'-6" φ	Post splice - Truck Haul
Approx. total weight 2841 lbs. - Horse Pack					
Approx. total weight 2269 lbs. - Truck Haul					

All except Items 1 & 2 to be galvanized 2 oz.

APPROXIMATE HARDWARE QUANTITIES		
BILL OF MATERIAL	TRUCK-HAUL	HORSE-PACK
GENERAL BILL	3169 lbs.	3741 lbs.
ADD FOR TRUCK-HAUL	156 "	
ADD FOR HORSE-PACK		308 "
APPROX. TOTAL LBS.	3325	4049

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

41-FOOT TYPE TT-1

TREATED TIMBER LOOKOUT TOWER
MODIFIED FOR HOUSE B-4301
BILL OF HARDWARE

REV 3-6-64 LINE 34 BAH
Rev 4-10-61 LEM (Bill of Hardware)
Rev. 1-20-59 M.E.S. (Diagonals)
Rev. 6 May 58 ETO (for House)
Rev. Aug. 1952 by B.D.E. (Diagonals)
Rev. Jan. 1951 by B.B.P. (Splices)
Revised Feb. 1950 by B.D.E.

DESIGNED W.G. DRAWN B.D.E. TRACED
SCALE NO SCALE CHECKED E.B.P.
APPROVED DATE 2-2-50
ASSISTANT REGIONAL FORESTER