Cap pl 4"x4"x0'-9" 2-#16 ga. x 2" wood screws

Typ. Clip (A1) as shown

Shaped 8x8 over columns use 18' length

(a)

10⅜"± out of 2-2x6 @ 8" 8" out of 2-2x6 @ 16" 16" out of 8x8 @ 16" = 32'-0" 16" 16"

abt. ¾ 12

Elev. 108'-10"

Typ. Clip (A1)

out of 2-2x6

3x8

3# std. pipe col.

Sym. about ℄ shelter

3'-0" 6'-0"

TYP. 12'-0" SHELTER (A/S8)

L- 2"x1½"x0'-4" 3-8d nails ea. leg to wood ¾" dia holes

TYP. CLIP (A1)

℄ Pipe Col.

10⅜"± out of 2-2x6 @ 8" 8" 12" out of 8x8 @ 16" = 32" 16"

Plan view similar to (E) A/S8

out of 2x6

abt. ¾ 12

Elev. 108'-10"

out of 2-2x6

8x8 Shaped over cols. use 16' length

3# std. pipe col.

Sym. about ℄ shelter

3'-0" 5'-0"

TYP. 10'-0" SHELTER (B/S8)

℄ Pipe col.

10⅜"± 8" 8" 8" 16" out of 8x8 @ 16" = 32" 16" out of 2x10 @ 16" = 32"

Typ. Clip (A1)

Plan view similar to (A) A/S8

abt. ¾ 12

Elev. 108'-10"

out of 2x6

out of 2-2x8

out of 2x8

8x10 Shaped over cols. use 22'-0" length

4# Extra Strong pipe col.

3x10

Sym. about ℄ Shelter

3'-0" ℄ pipe col. 8'-0"

Cap plate 5"x4"x0'-9" 4-5/16 ga. x 2" wd. screws ⅝" ℄ holes

16'-0" SHELTER (C/S8)

Unless shown or noted framing this side same as (A) A/S8

Plan view similar to (A) A/S8

abt. ¾ 12

Elev. 108'-10"

Shaped 10x10 over col use 24'-0" length

3'-0" 8'-0" 8'-0" 4'-0"

Note: Warp roof & shape rafters as req. between sections (B/S8 & E/S8)

Dotted line indicates roof line over col. beyond

End of (E) E/S8

(d)

2x6 scab Total of 6-16d

L- 4"x3"x¼"x0'-3" ea. side 2-½"ø x 4" lags each L

℄ pipe col. beyond

20'-0"

20'-0" SHELTER (D/S8) (D1/S8) As shown & noted

Roof framing see E/S8 & ℄ studs

El. Varies

2-2x6 cripples @ 16"

6x8

Shelter framing see B/S8

2-⅝"ø x 5" lags

2-⅝"ø Bolts

½" cap pl

16 WF 15.5

(e2)

(e)

℄ col

Shape end of 6x8 as shown

End of 6x8

GWF 15.5 beyond

Elev. 109'-1½"

6x8

El. 108'-10"

3# std. pipe col.

(E/S8)

℄ studs & cols.

Elev. 111'-0½"

For conn. of GWF17 to 6x6 Post see F/S8

6x6 Post

16d @ 6" ctrs staggered

(e1)

Total of 5-16d stud to 8x8

Elev. varies

Elev. 108'-10"

16d @ 10" o.c.

Shaped 8x8 6x6 Post

(First 2x6 stud to be nailed to 6x6 Post as shown

2½"L 6"x4"x⅜"x0'-5¾" Total of 4-⅝"ø x 3" lags to 8x8 Total of 2-⅝"ø Bolts to 6x8

℄ studs & cols.

Shape end of 8x8 as shown

6x8

End of 8x8

℄ studs

Total of 5-16d to 8x8

(e1)

℄ col.

For rafter size see B/S8 & E/S8

Cap pl same as A/S8

Shaped 8x8

2-L 6"x3½"x⅜"x0'-5" Total of 4-⅝"ø x 3" lags Total of 2-⅝"ø Bolts @ 22½" o.c.

Build up as req. on top of rafter for hips & valleys

8x8

Typ.

L 4"x3½"x¼"x0'-8" 2-⅝"ø x 5" lag - 3" leg 2-⅝"ø Bolts - 4" leg

2½" o.c.

Typ. Clip (A1) A1/S8 as shown

(F/S8)

Typ. Clip (A1) A/S8 as shown

℄ col.

Shaped 8x8

Abt. 10⅜ 12

Note: Rafters over 6'-0" in length and over framing @ right angle to 8x8 to have clip L (A1) A/S8 otherwise 3-10d toe ea. side

Cap pl

Shaped 8x8

7½"

PL 12"x⅝"x1'-0" top & bottom Total of 8-⅝"ø Bolts

4x3 angle - same as on G/S8

For Rafter sizes see A/S8 & B/S8

(G/S1)

Double members: Total of 4-16d (predrill)

℄ col.

Abt. 10⅜ 12

Hip line

Shaped 8x8

Cap pl same as A/S8

℄ col.

Single members: 3-16d (predrill)

(H/S1)

℄ Studs

2x6 Blkg. btwn. studs under rafters, 2x6 cripples under blocking @ ea. end

First 2x6 studs nailed to post as on E/S8

6x6 Post

For Rafter sizes see B/S8

℄ Studs & cols.

Typ. Clip (A1) A/S8

(K/S8)

℄ Studs

Notch end of 6x8 as shown

12

Total of 2-⅝"ø x 5" lags

6x8

Valley line

Shaped 8x8

L 4x3x¼

GWF 15.5

3-⅝"ø bolts

End of WF

Valley line

℄ col.

(L/S8)

(d1)

Shaped 10x10

End of D1/S8

L- 4"x3"x¼"x0'-5½" ea. side Total of 4-⅝"ø x 3" lags

4x8 Post

(d1)

Note: If stud does not occur next to 10x10 provide 2x6 scab as on opp. side

6x10 Post

8x8 lintel see N/S1

Door

2-2x8 cripple

2-2x8 studs

(d)

6x8

Saw cut end of 8x8 for 6" length to fit to web of GWF 15.5

El. Varies

GWF 15.5

El. 108'-10"

Shaped 8x8

End of GWF 15.5

(L) Cut on L/S8

℄ Studs

End of 8x8

℄ Studs & cols.

Shaped 8x8

Unless shown or noted framing same as B/S8

(M/S8)

TOP FLANGE VIEW

Clip L 6"x4"x⅜"x0'-6" 2-⅝"ø bolts to WF 2-⅝"ø x 5" lags to 6x6

2x6

GWF 15.5

2x6

2x8 x 14'-0" Stiffener @ corners see M/S1

6x6 Hip

Miter WF as shown

2x6

2x6

6x6

(N/S8)

BOTTOM FLANGE VIEW

GWF 15.5

3# Std. pipe col

4" cap pl 2-⅝"ø bolts

GWF 15.5

6x6 Hip

2x6 @ 24" o.c.

(P/S8)

Piece 3"x6"x1'-0" PL on top of WF as shown

6"x6" Hip

C

PL 6"x4"x⅜"x0'-6" shaped as shown 2-⅝"ø bolts to WF 2-⅝"ø x 5" lags to hip

(R)

6"x6"

8"WF 17

PL 6"x4"x⅜"x0'-5½" 2-⅝"ø bolts to WF - 2 3/8 ga. 1-⅝"ø bolt to 6x6

6x6 Post

(r)

Skylight see Arch drawings

Typ. jst. hanger see N/S1

4x12 Ridge

Ridge El. 116'-8½"

Clip L 4"x4"x¼"x0'-5½" ¾"ø Bolts

8x12 cont. nail to ridge with 16d @ 18"

2x4 @ 16" o.c.

Typ. jst. hanger see N/S1

2-3x10

2x4 @ 16" o.c.

6x6

Fin. ceil. El. 111'-0"

For roof framing see B/S8

(S/S8)

Scale ½" = 1'-0"

Sym. about ℄ skylight

Weld bar to truss chord with ¼" fillet weld x 12" long

(S1)

Bar 2"x6"x0'-6" ¾"ø Bolt

Truss bottom chord

6x8

6x8

Fin. Ceiling

EAST END

WEST END

(S)

Skylight see Arch. drawing

El. varies

2x10 @ 24"

2x12 @ 24"

2-2x10

cut of 2x6 @ 16"

2x4 hanger ea. end of 2-2x10 rafter 3-16d ea. end

2-2x6 cont. abt. 12'-0" long

14"x3 Strapping see J/S1

Sym. about ℄ Skylight

Progressive nailing see B/S1

View showing Ceiling joists and framing

(T/S8)

Scale ½" = 1'-0"

unless noted scale ¾" = 1'-0"

HILLMAN & NOWELL
STRUCTURAL ENGINEERS
ARCHITECTS BUILDING LOS ANGELES 13
Laurence Nowell

NOTE: CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON THE WORK. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED ON COMPLETION OF THE CONTRACT.

STATE OF CALIFORNIA-DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 5813
APPROVED 5-27-48
Harry N. Rabi
ENGINEERING REVISION ENGINEER

CASTRO LANE SCHOOL
FOR
BAKERSFIELD CITY SCHOOL DIST.
BAKERSFIELD CALIFORNIA

C. H. Biggar

CHARLES H. BIGGAR
A.I.A. ARCHITECT
& ASSOCIATES
HABERFELDE BUILDING
BAKERSFIELD CALIFORNIA

DRAWN F. COOK
REVISIONS
SHEET NO. S8