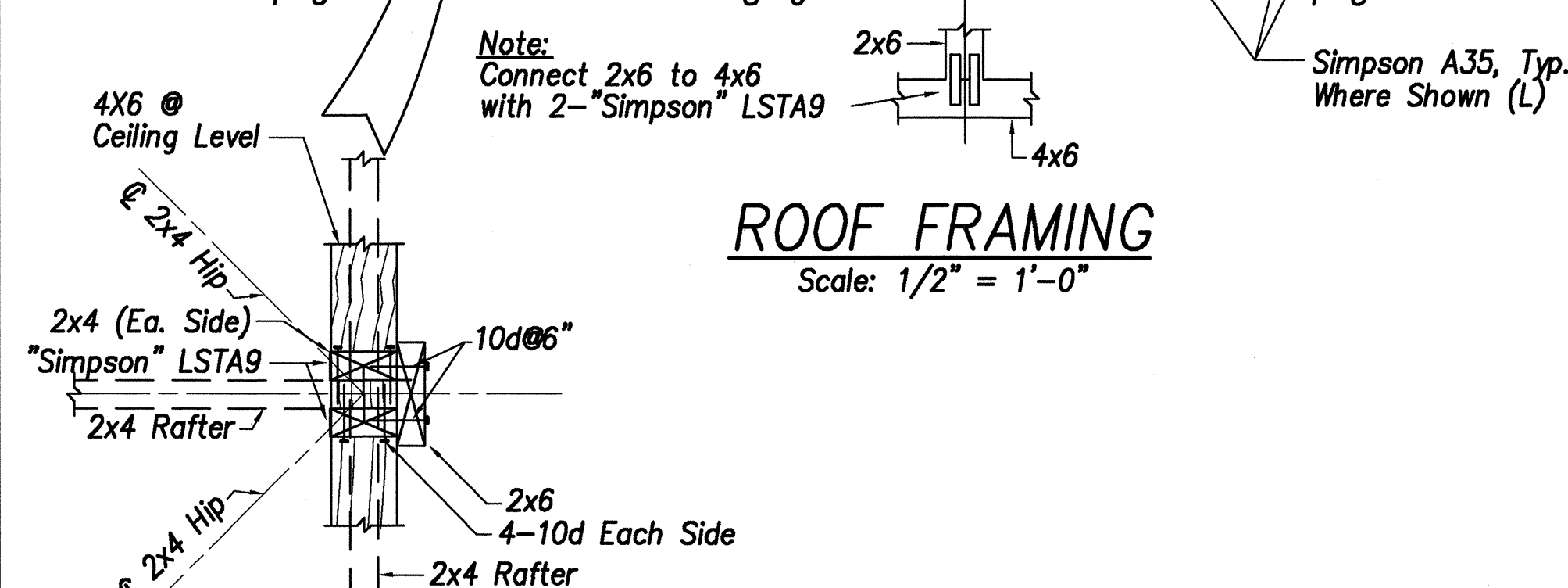
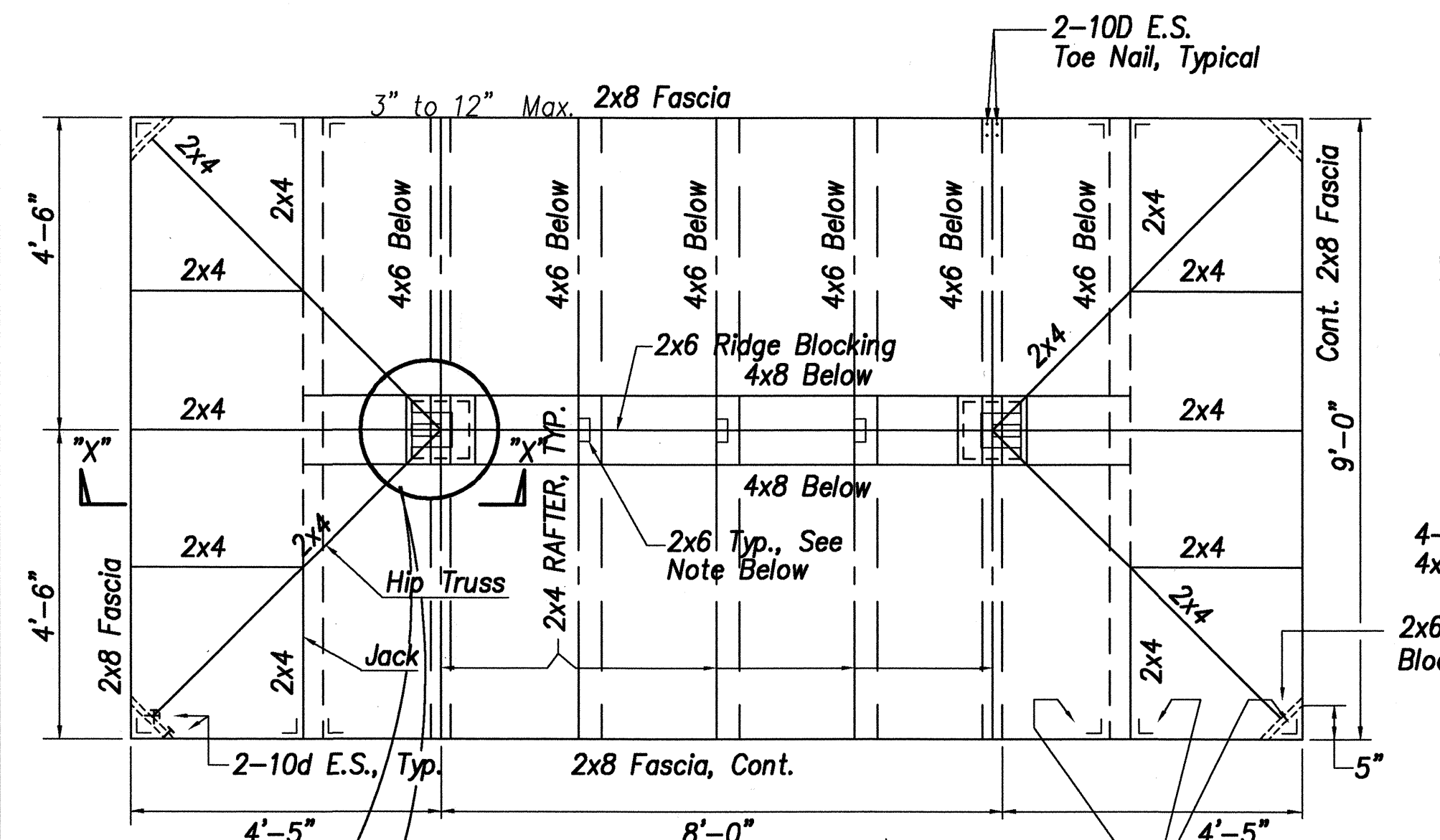
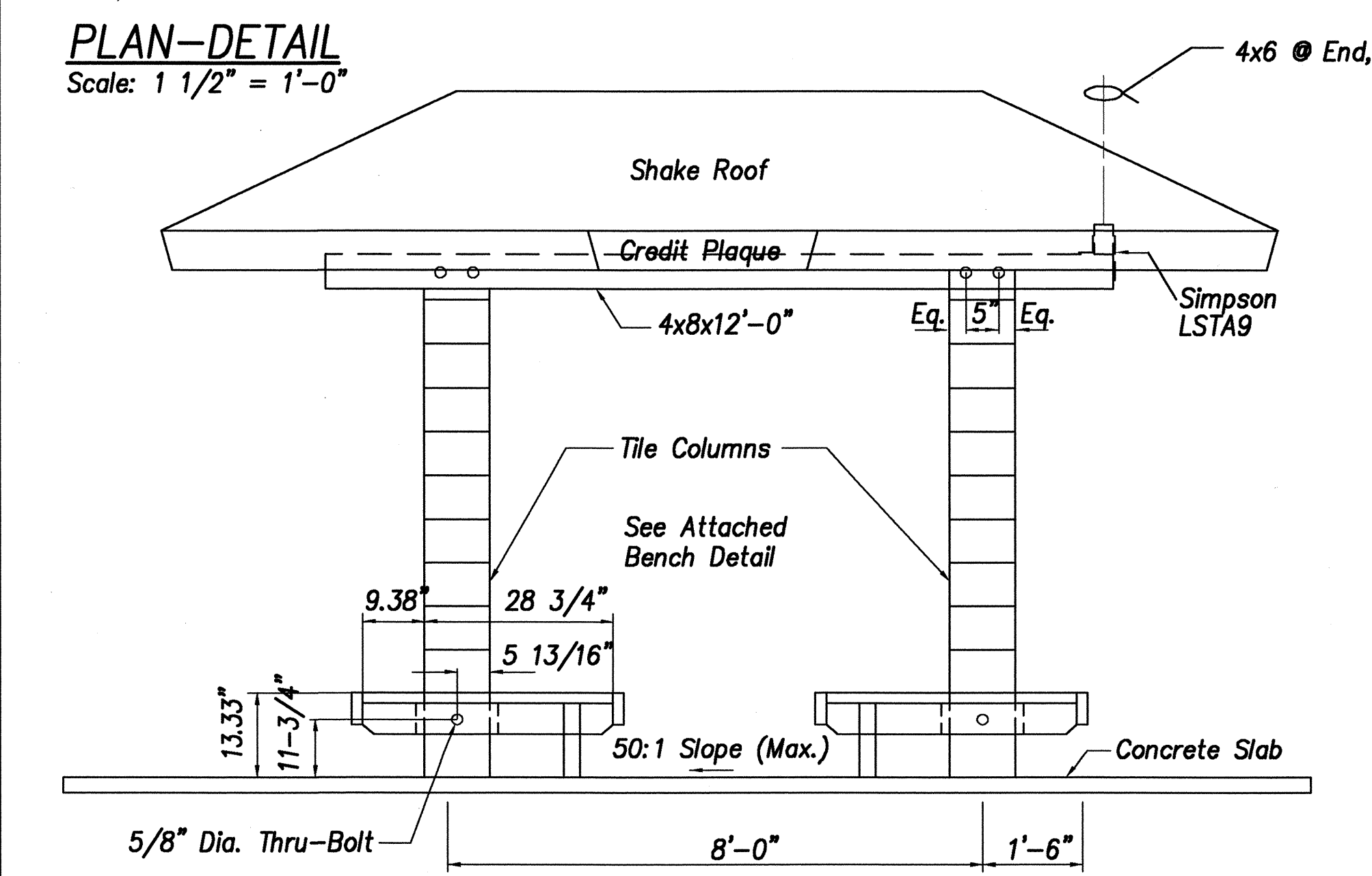


| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 93A-06-98 | 2001        | 28        | 68           |

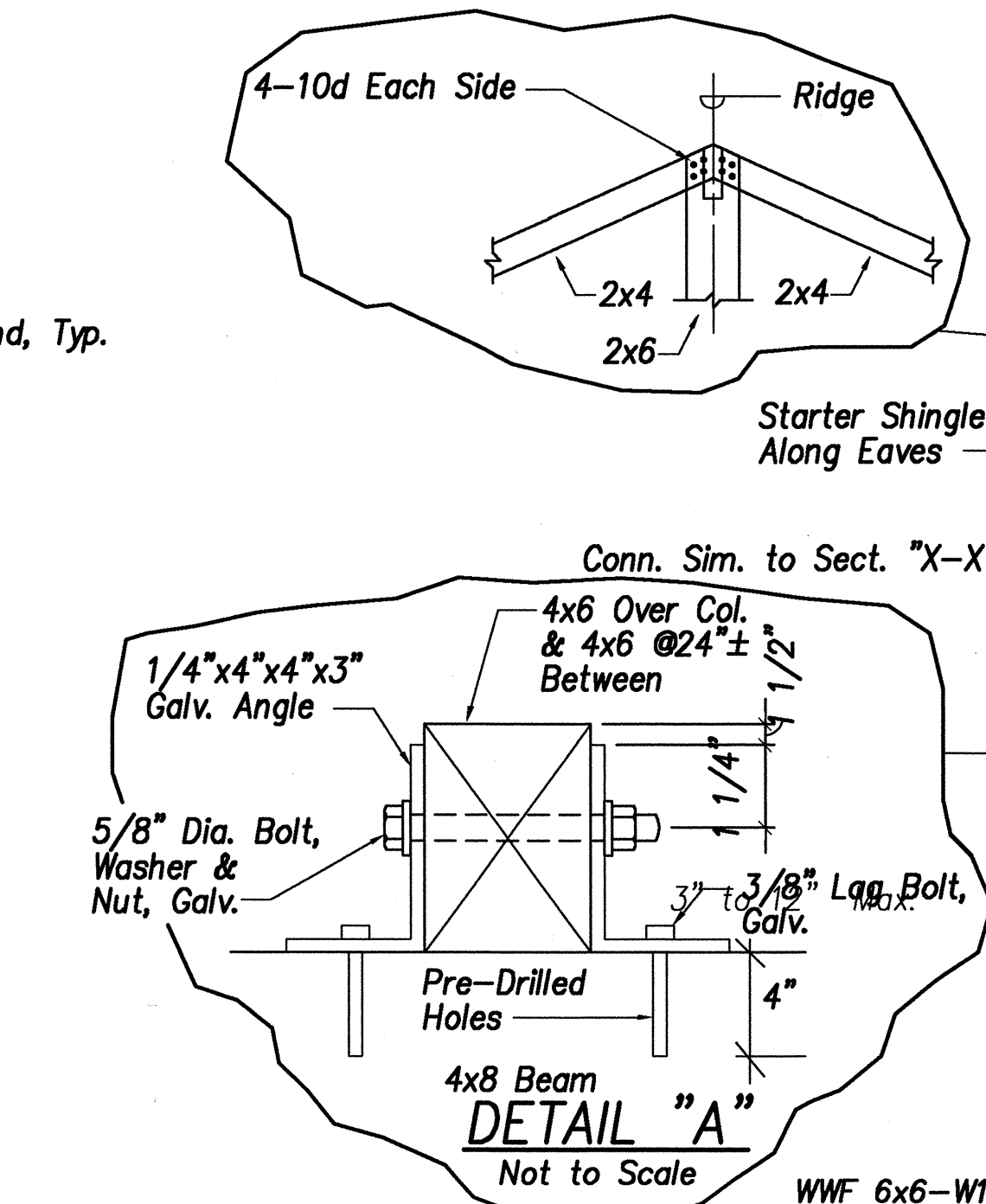


**ROOF FRAMING**  
Scale: 1/2" = 1'-0"



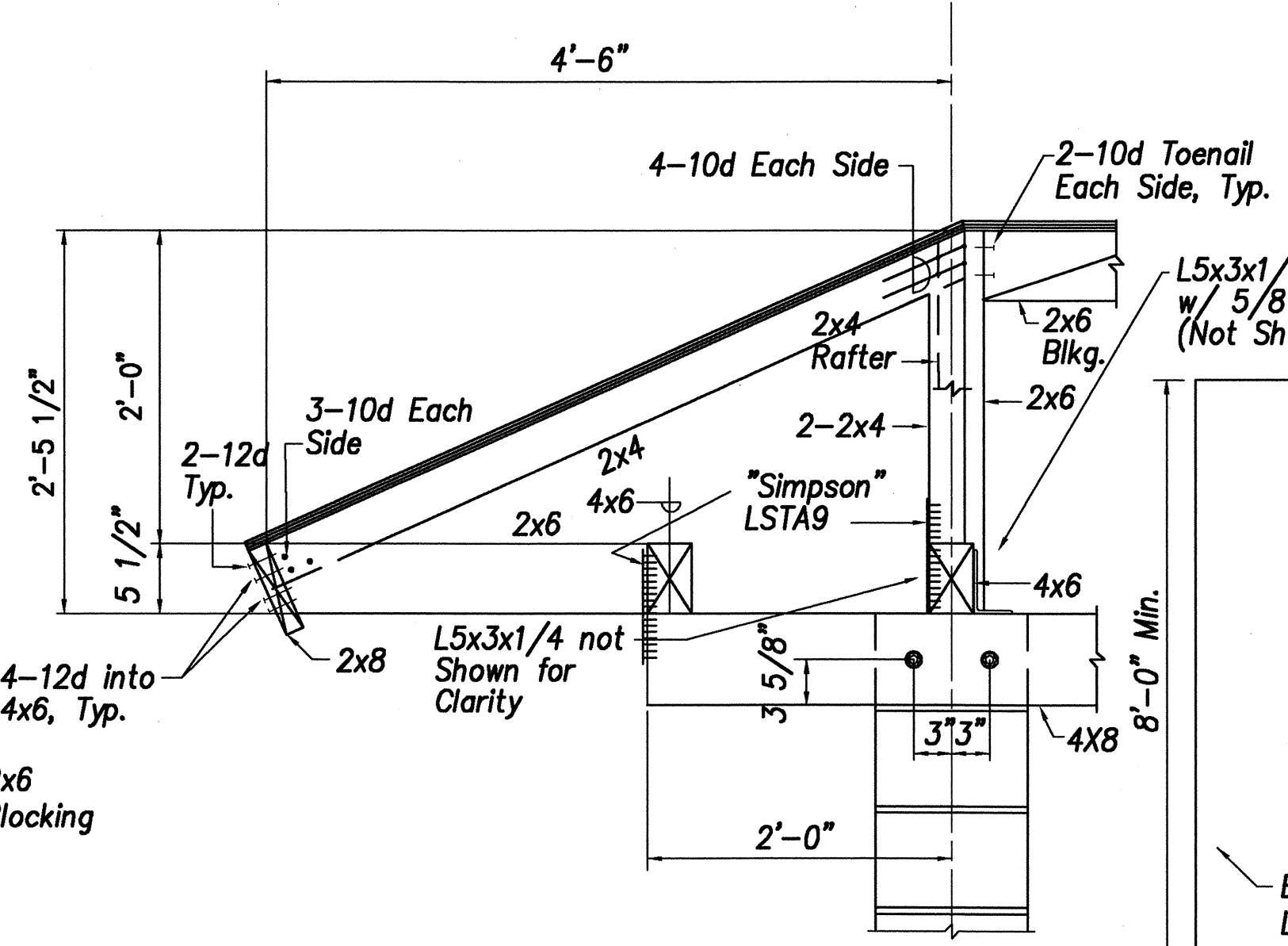
**FRONT & REAR ELEVATION**  
Scale: 1/2" = 1'-0"

Note:  
Benches shown are optional. Refer to applicable sketches provided by DTS.

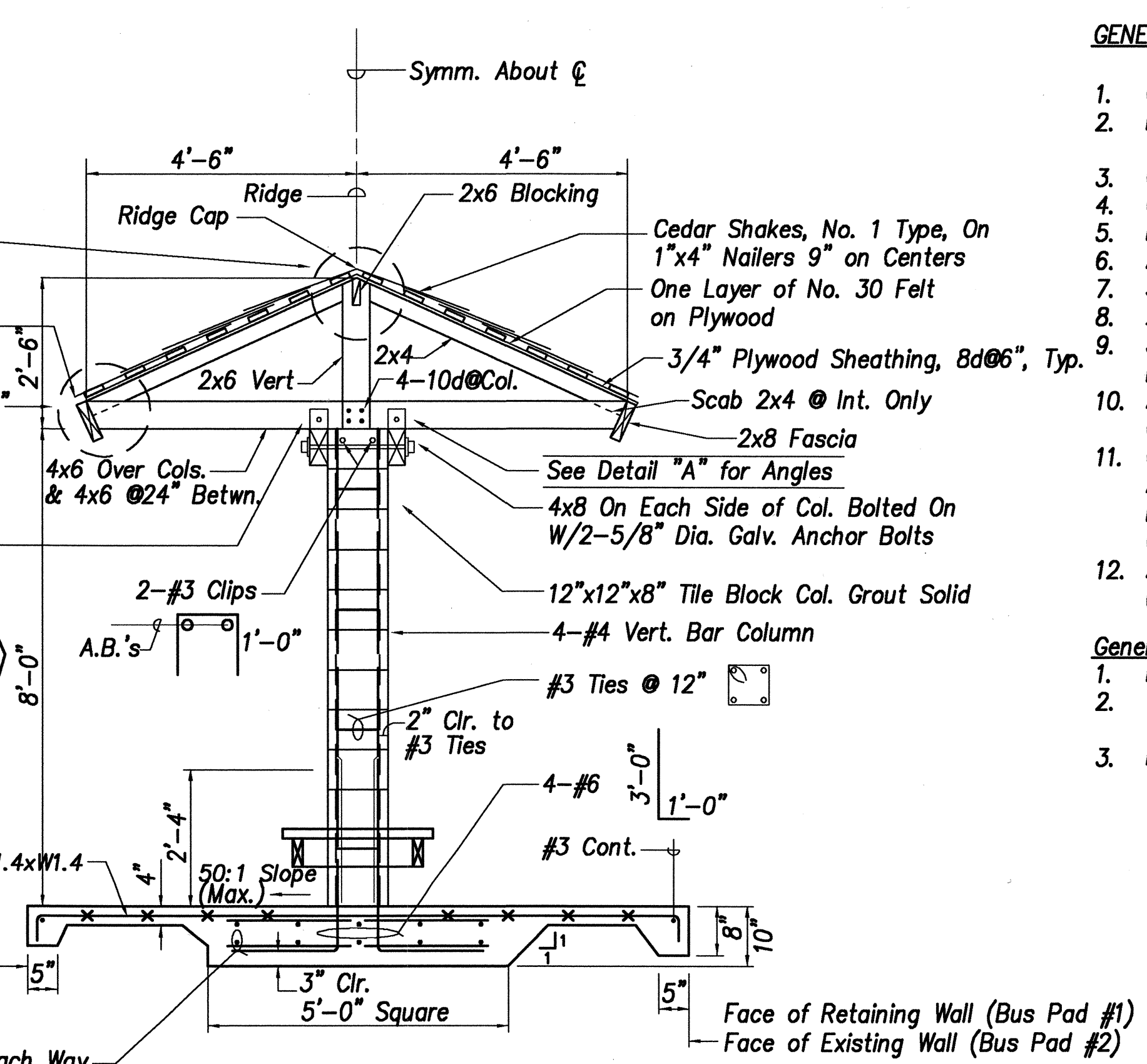


**DETAIL "A"**  
Not to Scale

Note:  
Wood shake application should conform to the 1991 Uniform Building Code, Table 32-B-2

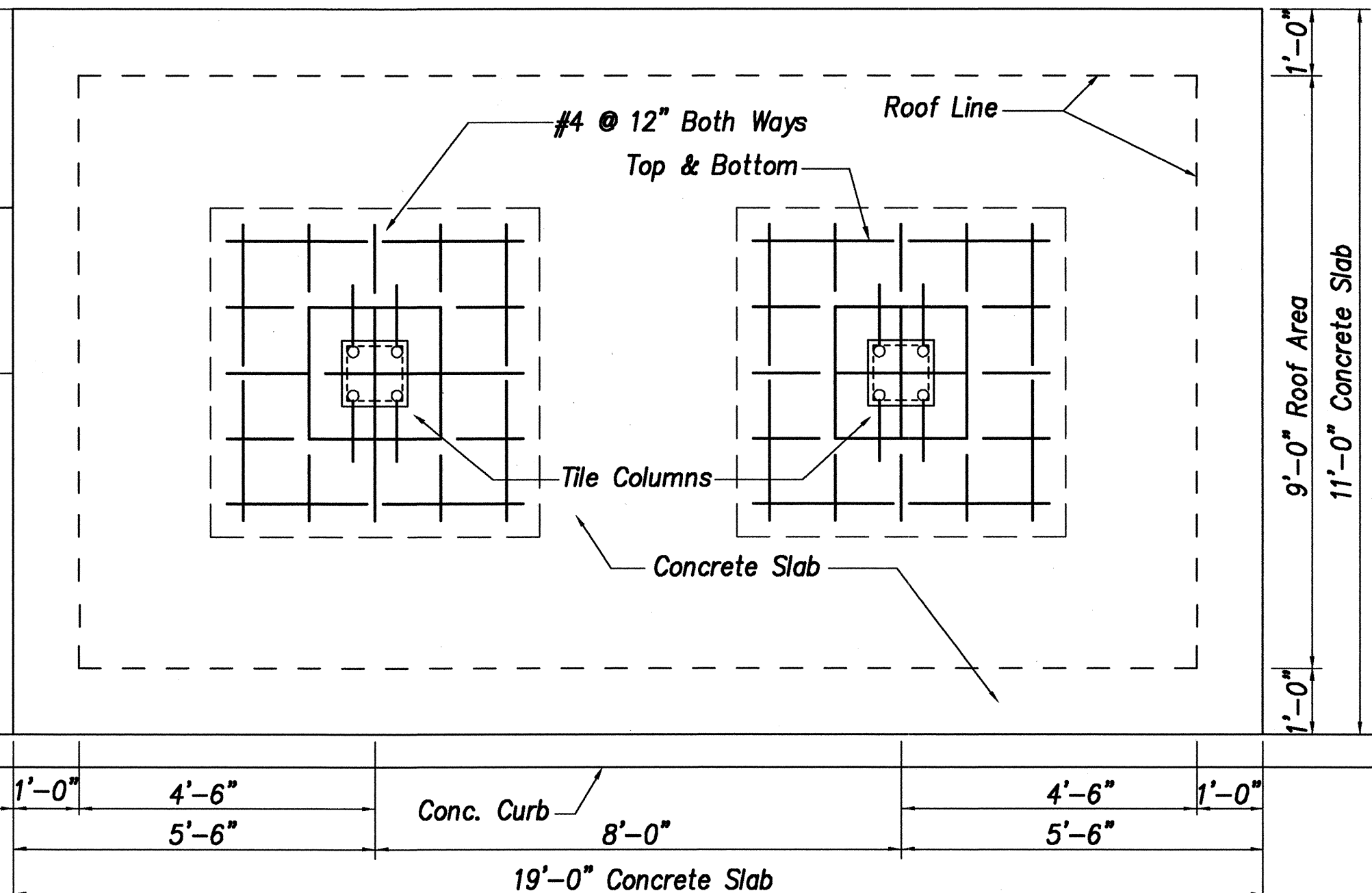


**SECTION "X-X"**  
Scale: 1" = 1'-0"



**TYPICAL CROSS SECTION**  
Scale: 1/2" = 1'-0"

\*Note: Slope not to exceed 50:1 in any direction at the bus shelter conc. slab and lift pad.



**FLOOR PLAN**  
Scale: 1/2" = 1'-0"

**GENERAL NOTES**

- Concrete 28-Day Compressive Strength - 3,000 PSI.
  - Reinforcing Steel  $F_y = 60,000$  PSI (#4 & Larger)  
 $F_y = 40,000$  PSI (#3)
  - CMU Type II, ASTM C90.
  - CMU Grout 28-Day Compressive Strength = 2,500 PSI.
  - Masonry Mortar, Type M
  - Anchor Bolt, ASTM A307, Galvanized.
  - Steel Angle, ASTM A36.
  - 2x AND 4x Wood Members, No. 2 Grade, D.F./Larch.
  - 3/4" Plywood, T&G Douglas Fir, Struct. 1, Exterior Type, Grade C-D
  - All Washers, Nails, Bolts, Steel Angles & Metal Connectors Shall Be Hot-Dipped Galvanized.
  - Color Scheme:  
A. Gold: Underside of Roof Structure, Fascia.  
B. Brown: Crossbeam, Tile Column, Bench.  
C. Urethane: Bench Top.
  - All Lumber & Plywood to be Termite Treated (Wolmanized).
- General Notes**
- Roof Live Load: 16 PSF Min.
  - Wind: Vel. = 80 MPH  
Exp. = C
  - Earthquake: Zone 2A

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

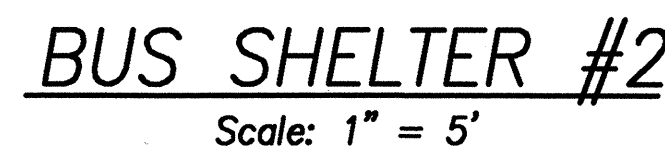
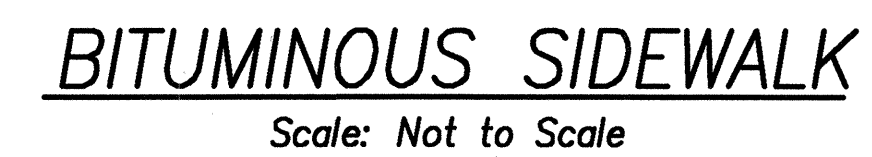
**BUS SHELTER PLAN & DETAILS**

FARRINGTON HIGHWAY  
Intersection Improvements at Waiomea Street  
Project No. 93A-06-98

Scale: 1" = 20' Date: August 2000

SHEET No. C-20 OF 29 SHEETS

|             |       |
|-------------|-------|
| DATE        | _____ |
| DESIGNED BY | _____ |
| CHECKED BY  | _____ |
| NOTED BY    | _____ |
| NO.         | _____ |

[illegible]

A circular professional engineer seal for Anson M. Murayama. The outer ring contains the text "ANSON M. MURAYAMA" at the top and "HAWAII, U.S.A." at the bottom. The inner circle contains the text "LICENSED PROFESSIONAL ENGINEER" and "No. 6875-C". A handwritten signature, "Anson M. Murayama", is written across the seal.

**ADD. 27**

|               |                         |            |
|---------------|-------------------------|------------|
| ORIGINAL PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
| NOTE BOOK     | DRAWN BY _____          | _____      |
|               | TRACED BY _____         | _____      |
|               | DESIGNED BY _____       | _____      |
|               | QUANTITIES BY _____     | _____      |
| No. _____     | CHECKED BY _____        | _____      |