



414 Canal Street - New Smyrna Beach, FL 32168 - 386.426.5583  
C.A. 4180

## **STRUCTURAL DETAILS**

**FOR A**  
**CARPORT**  
**(ON EXISTING CONCRETE)**

**BY**

**STEVENS CONSTRUCTION & ALUMINUM, INC.**

**FOR**

**CHARLES IRVINE**  
**752 NAVIGATORS WAY**  
**EDGEWATER, FL 32141**

### **DESIGN CRITERIA**

2023 Florida Building Code  
ASCE 7-22  
ACI-318-19

### **WIND LOAD CRITERIA (ASD)**

Basic Wind Speed 140 mph  
Exposure D  
Category II, Open Structure  
C&C Wind Pressures = + 23.2/ - 33.7 psf  
Roof Pressure = -23.0 psf

# BOUNDARY SURVEY

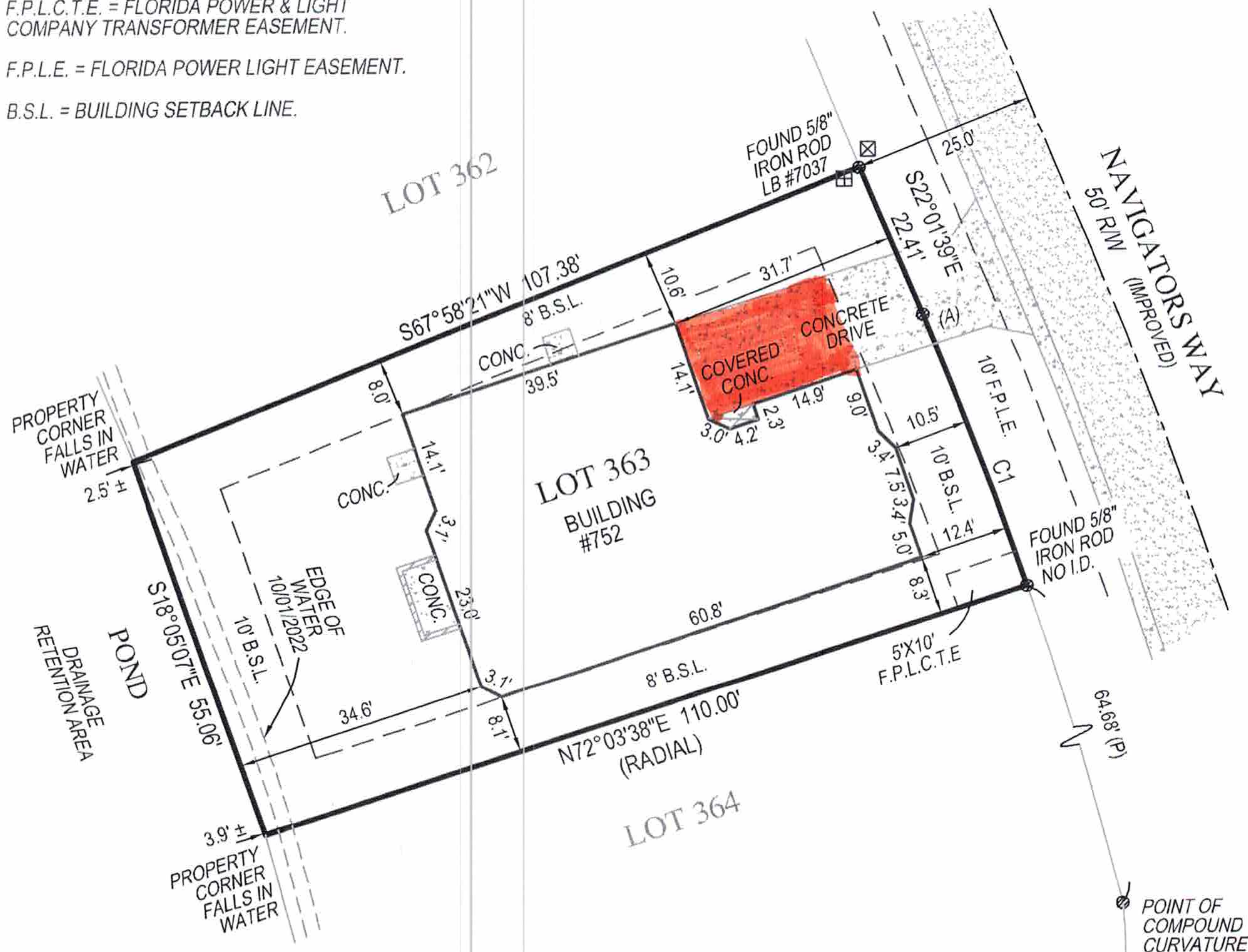
## SURVEY NOTES

CONCRETE DRIVE CROSSES THE PROPERTY LINE ON NORTHEASTERLY SIDE OF LOT.

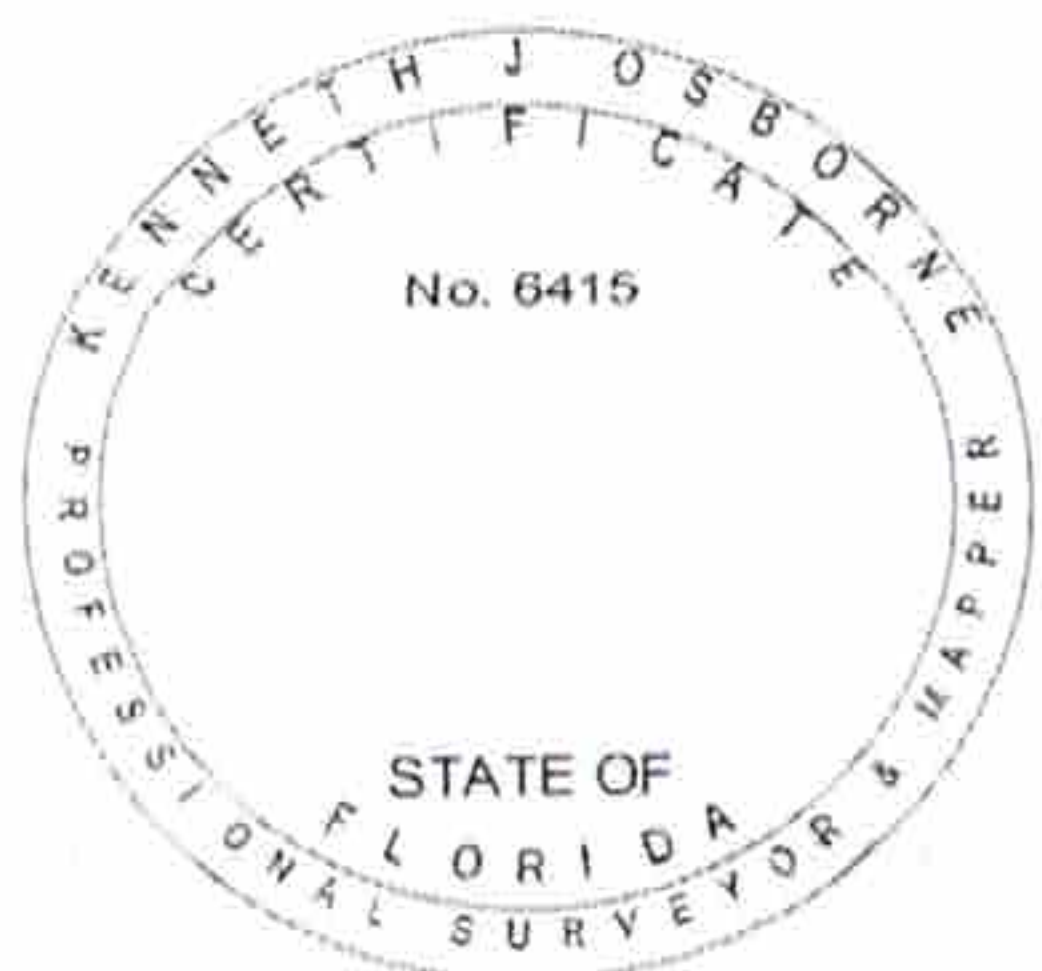
F.P.L.C.T.E. = FLORIDA POWER & LIGHT COMPANY TRANSFORMER EASEMENT.

F.P.L.E. = FLORIDA POWER LIGHT EASEMENT.

B.S.L. = BUILDING SETBACK LINE.



| CURVE TABLE |         |        |           |
|-------------|---------|--------|-----------|
|             | RADIUS  | LENGTH | DELTA     |
| C1          | 566.12' | 40.40' | 04°05'18" |



## SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PREPARED UNDER MY DIRECTION. NOT VALID WITHOUT AN AUTHENTICATED ELECTRONIC SIGNATURE AND AUTHENTICATED ELECTRONIC SEAL, OR A RAISED EMBOSSED SEAL AND SIGNATURE.

(SIGNED) *Kenneth J. Osborne*  
KENNETH J. OSBORNE  
PROFESSIONAL SURVEYOR AND MAPPER #6415

KENNETH OSBORNE

Digitally signed by  
KENNETH OSBORNE  
Date: 2022.10.03  
11:05:35 -04'00'

PAGE 2 OF 2 PAGES  
(NOT COMPLETE WITHOUT PAGE 1)

**TARGET SURVEYING, LLC**

LB #7893

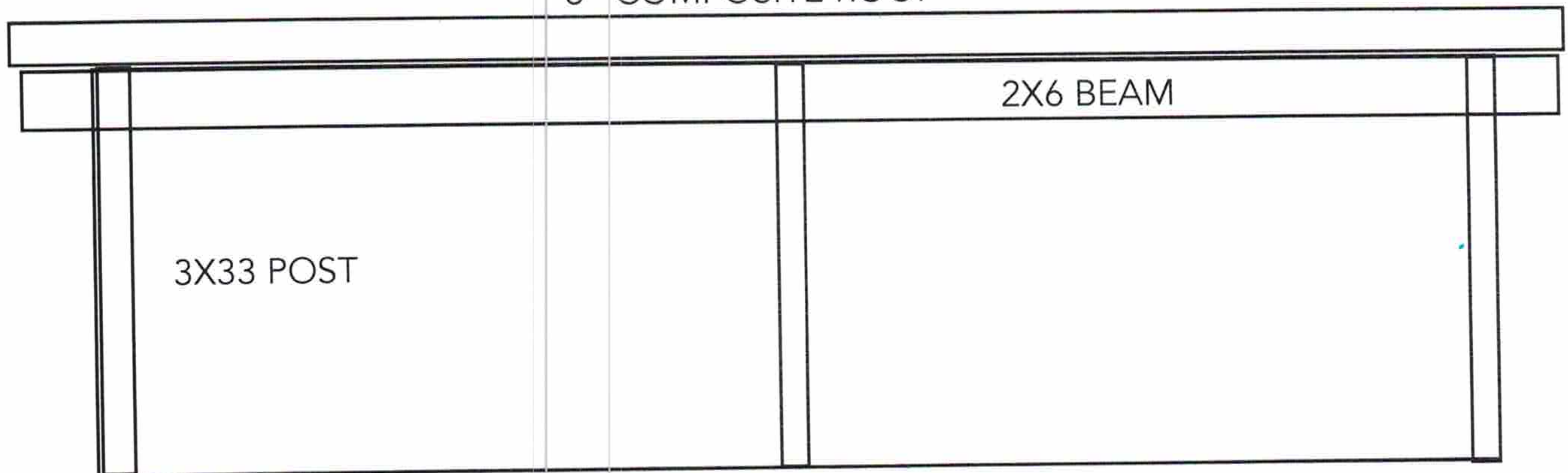
SERVING FLORIDA

6250 N. MILITARY TRAIL, SUITE 102  
WEST PALM BEACH, FL 33407  
PHONE (561) 640-4800  
STATEWIDE PHONE (800) 226-4807  
STATEWIDE FACSIMILE (800) 741-0576  
WEBSITE: <http://targetsurveying.net>

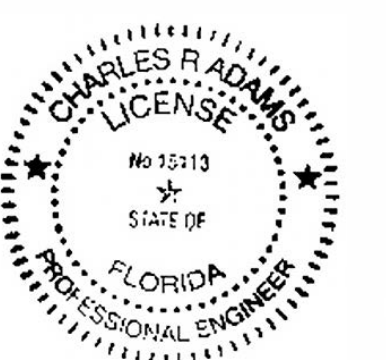
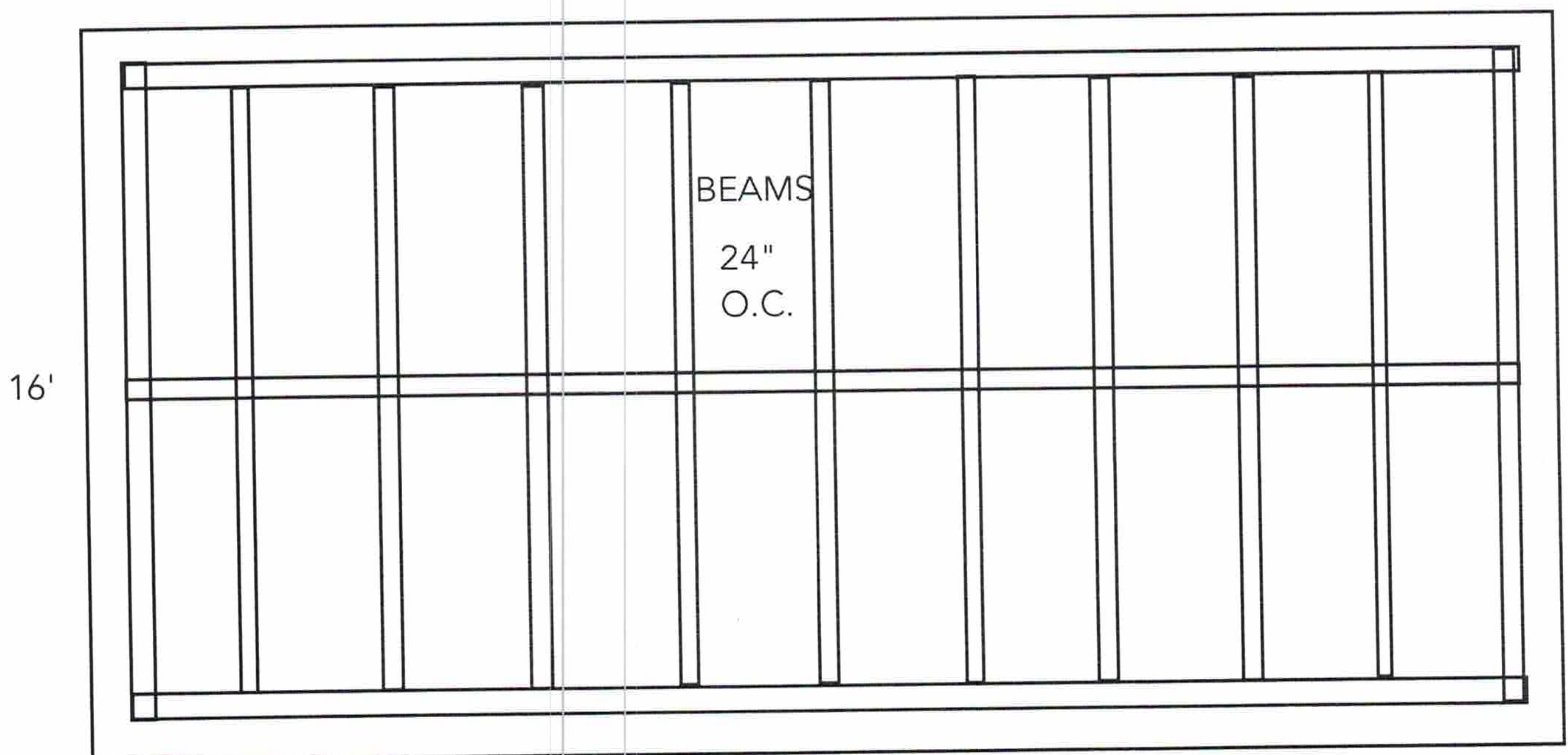
CHARLES IRVINE  
752 NAVIGATORS WAY  
EDGEWATER FL, 32141

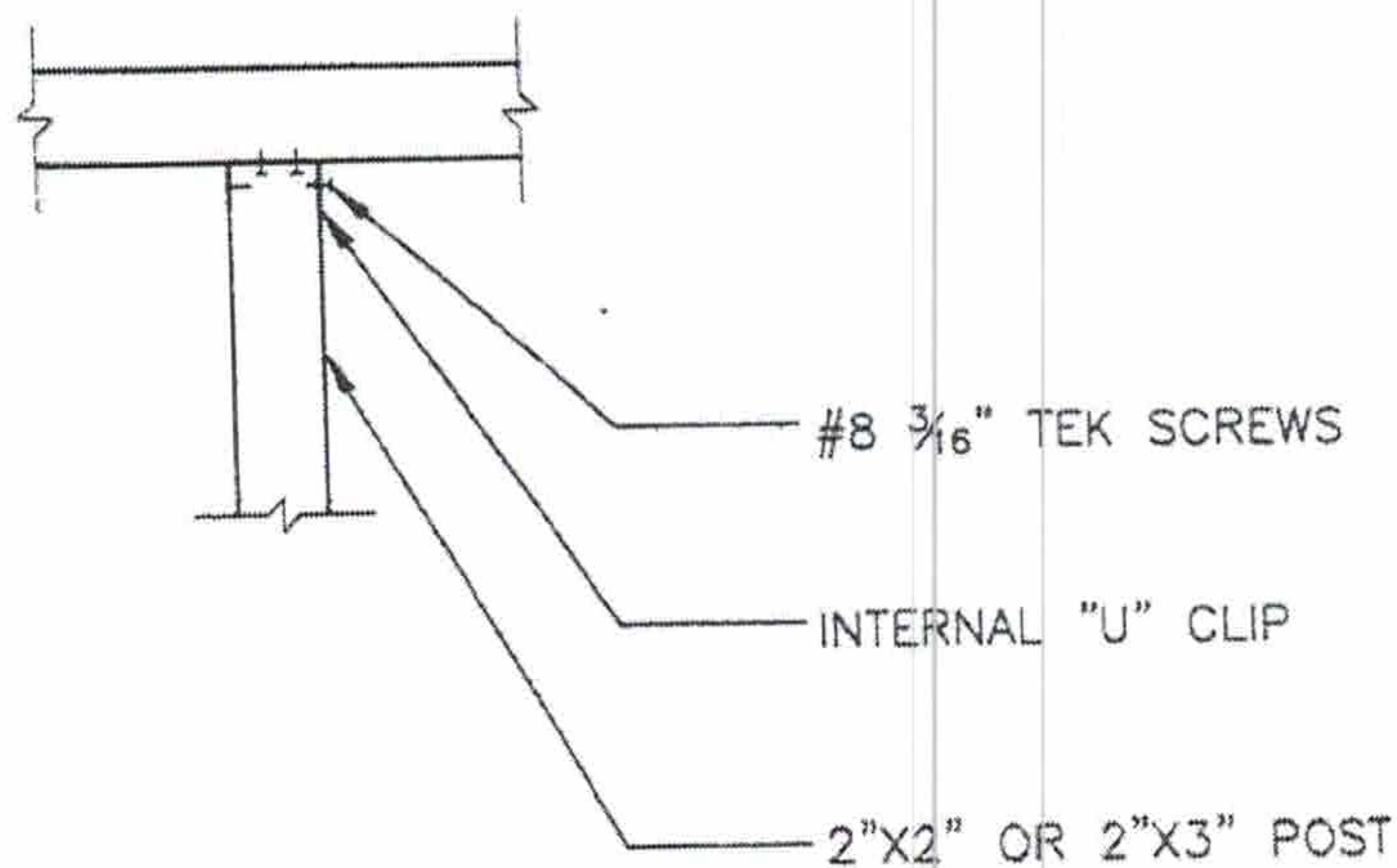
CARPORT ON EXISTING  
CONCRETE

3" COMPOSITE ROOF



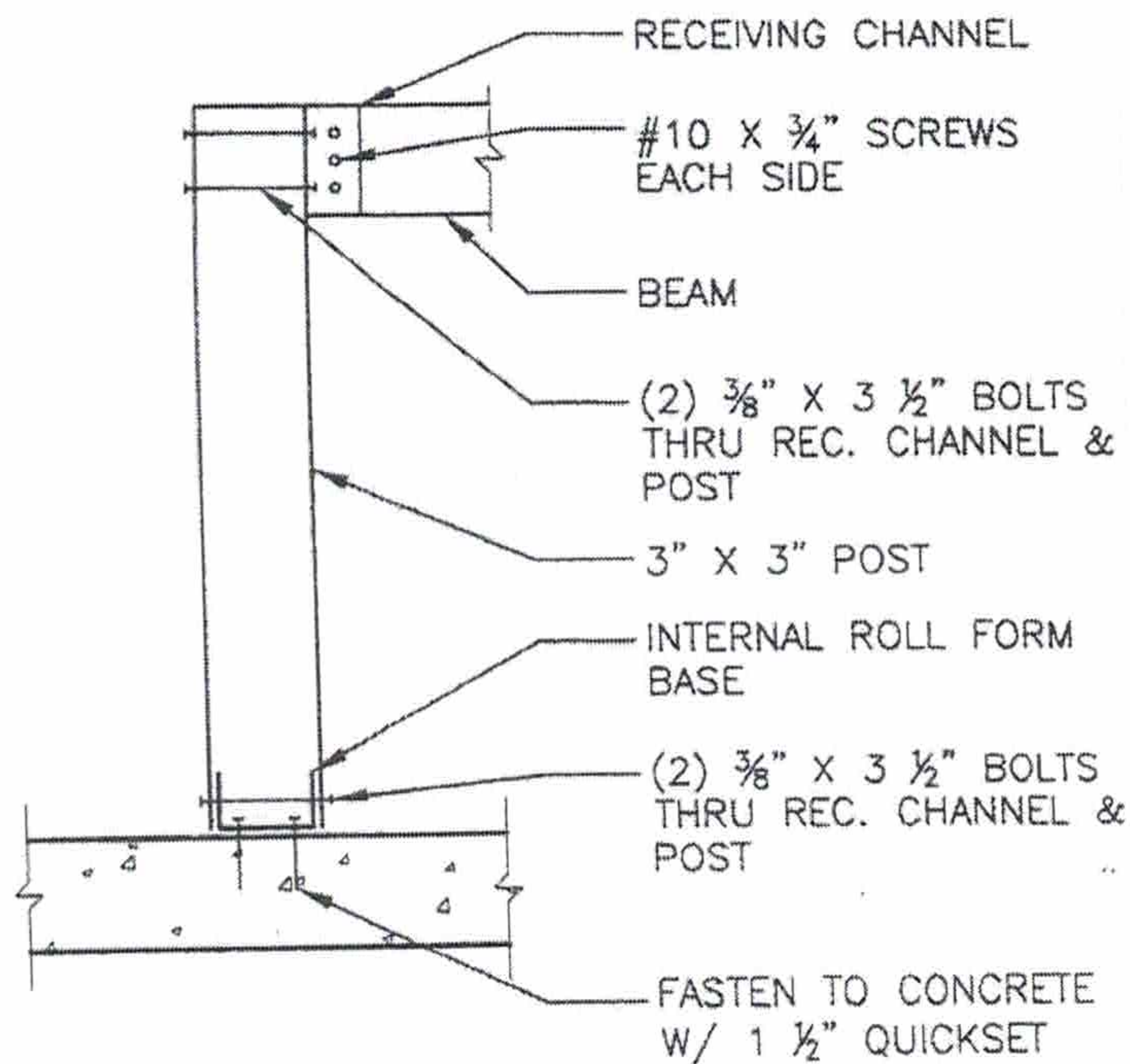
20'





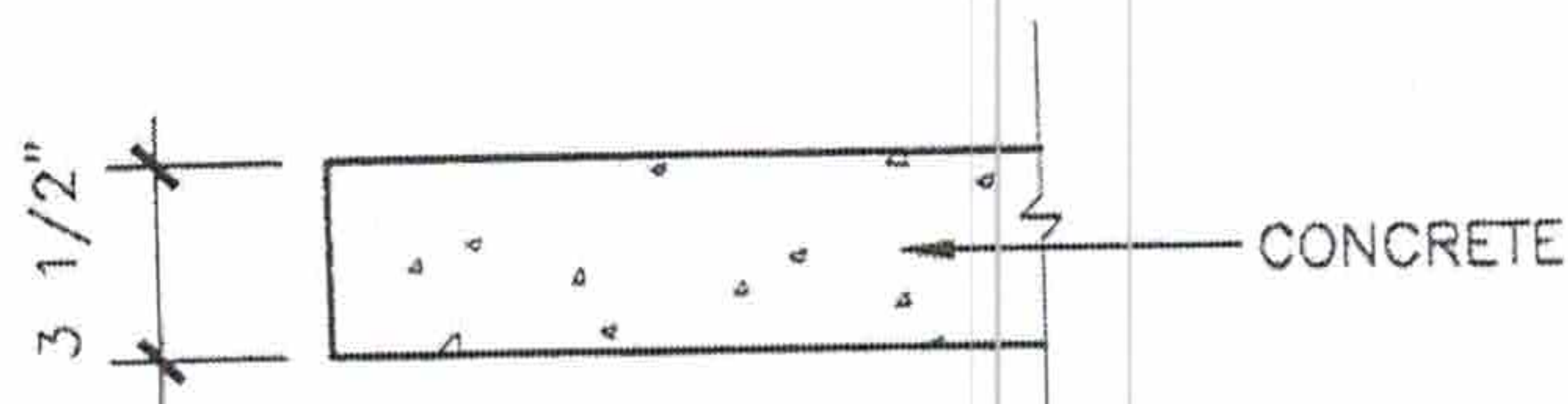
**Post to Edge Beam**

1 1/2" = 1'-0"



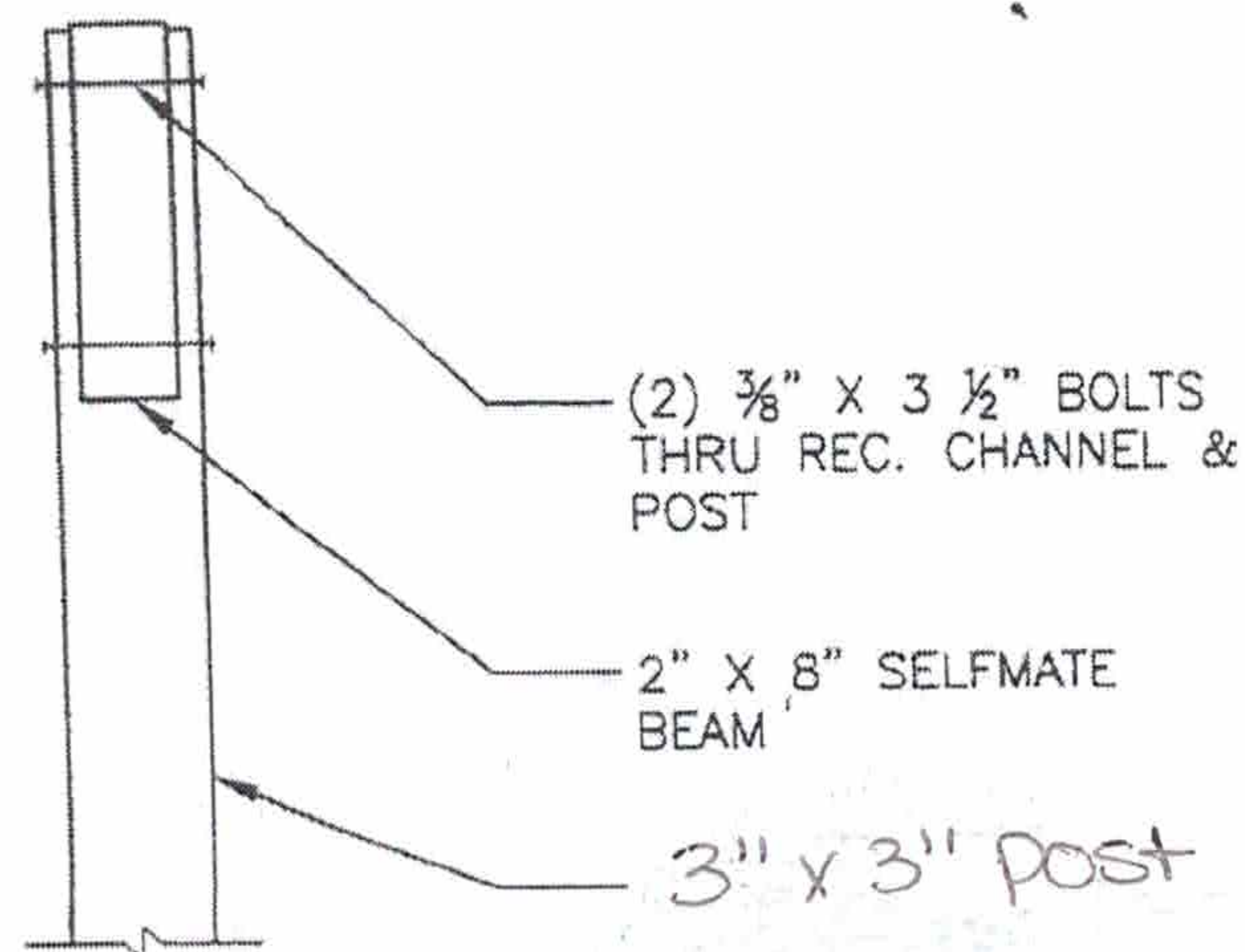
**Beam to Post & Post to Base**

1 1/2" = 1'-0"



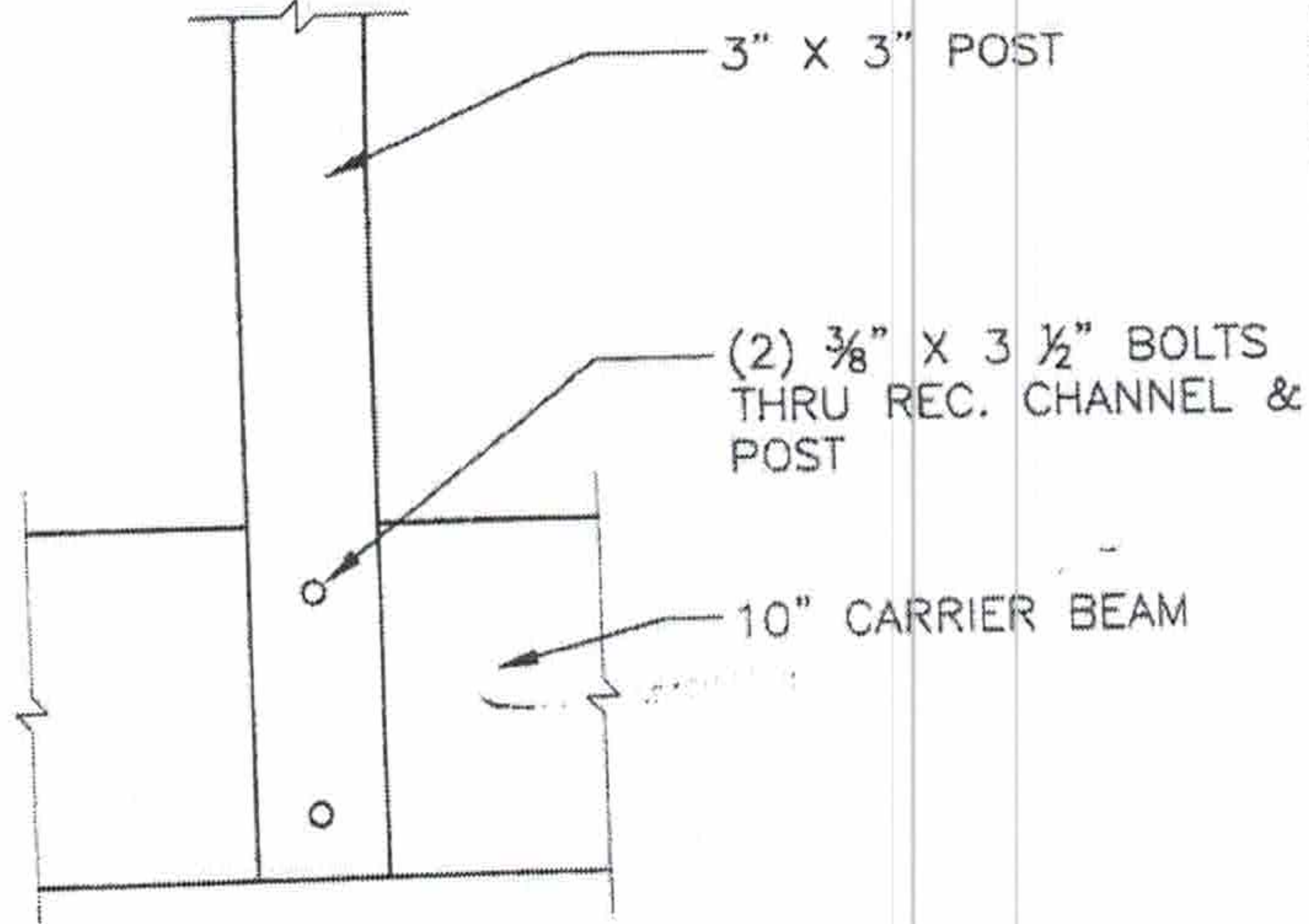
**Existing Slab**

1 1/2" = 1'-0"



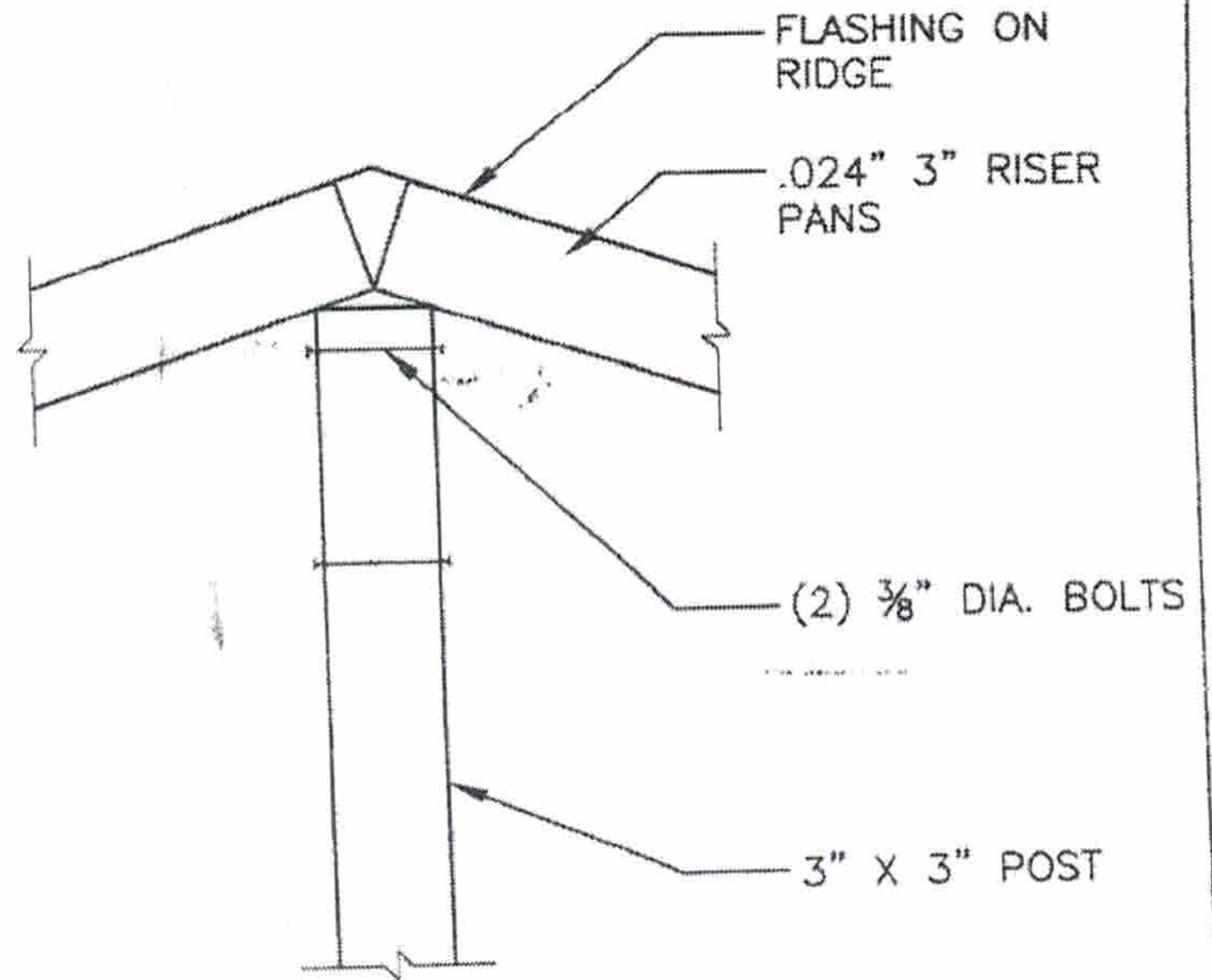
**Beam to Post**

1 1/2" = 1'-0"



**Post to Carrier Beam**

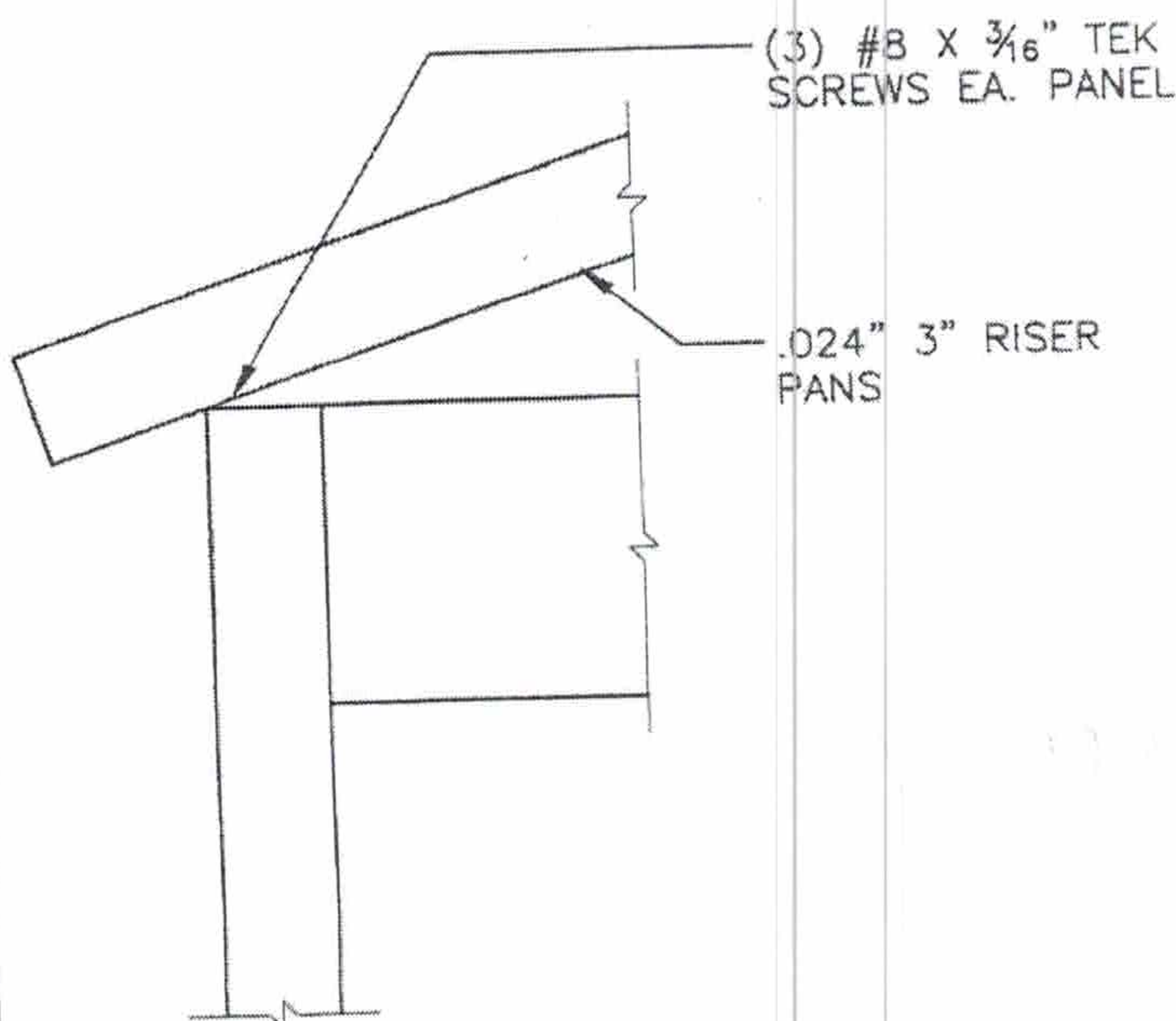
1 1/2" = 1'-0"



**Post to Ridge Beam**

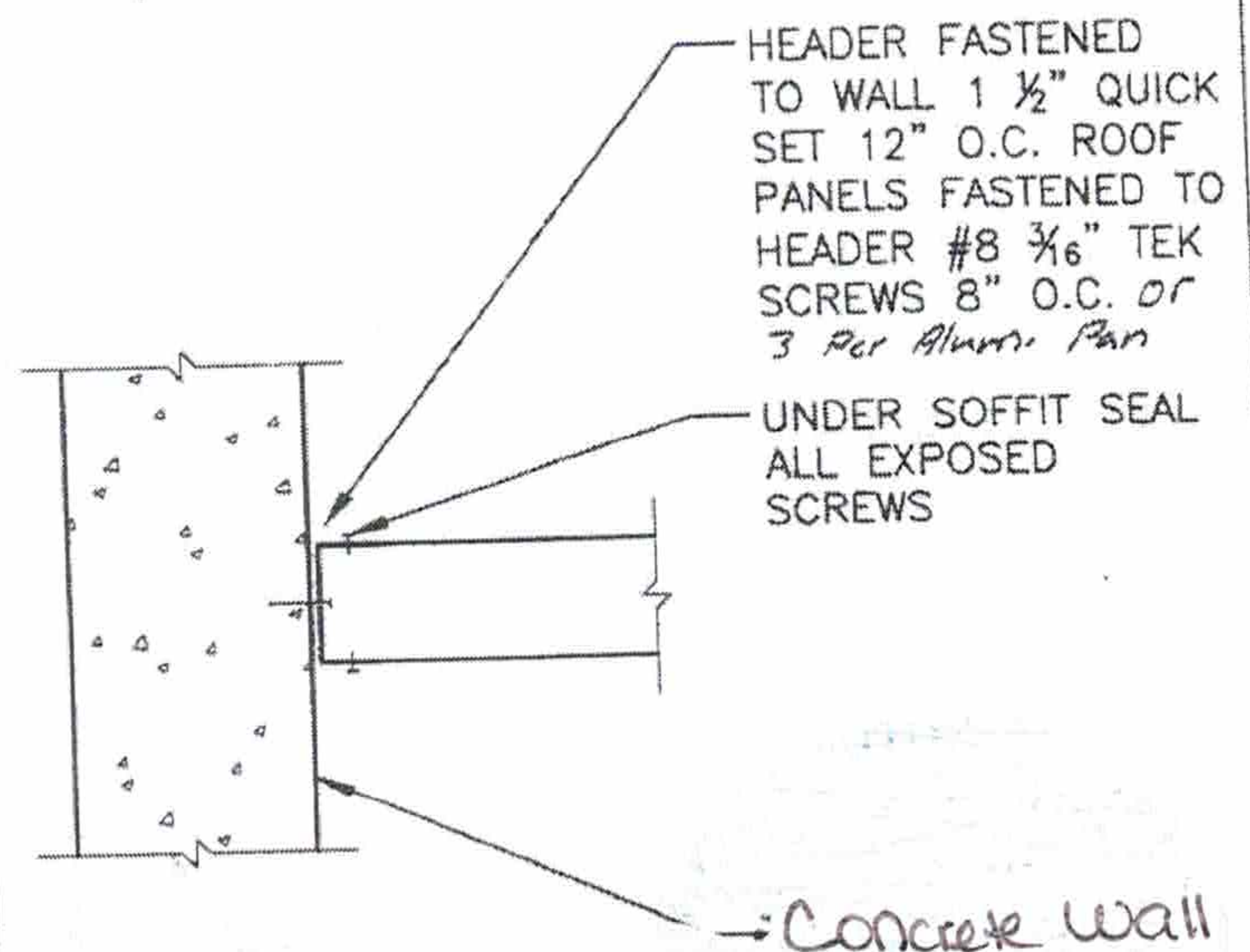
1 1/2" = 1'-0"

SEAL ALL EXPOSED SCREWS



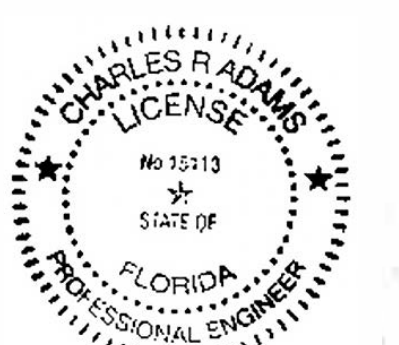
**Pans Fastened to Edge Beam**

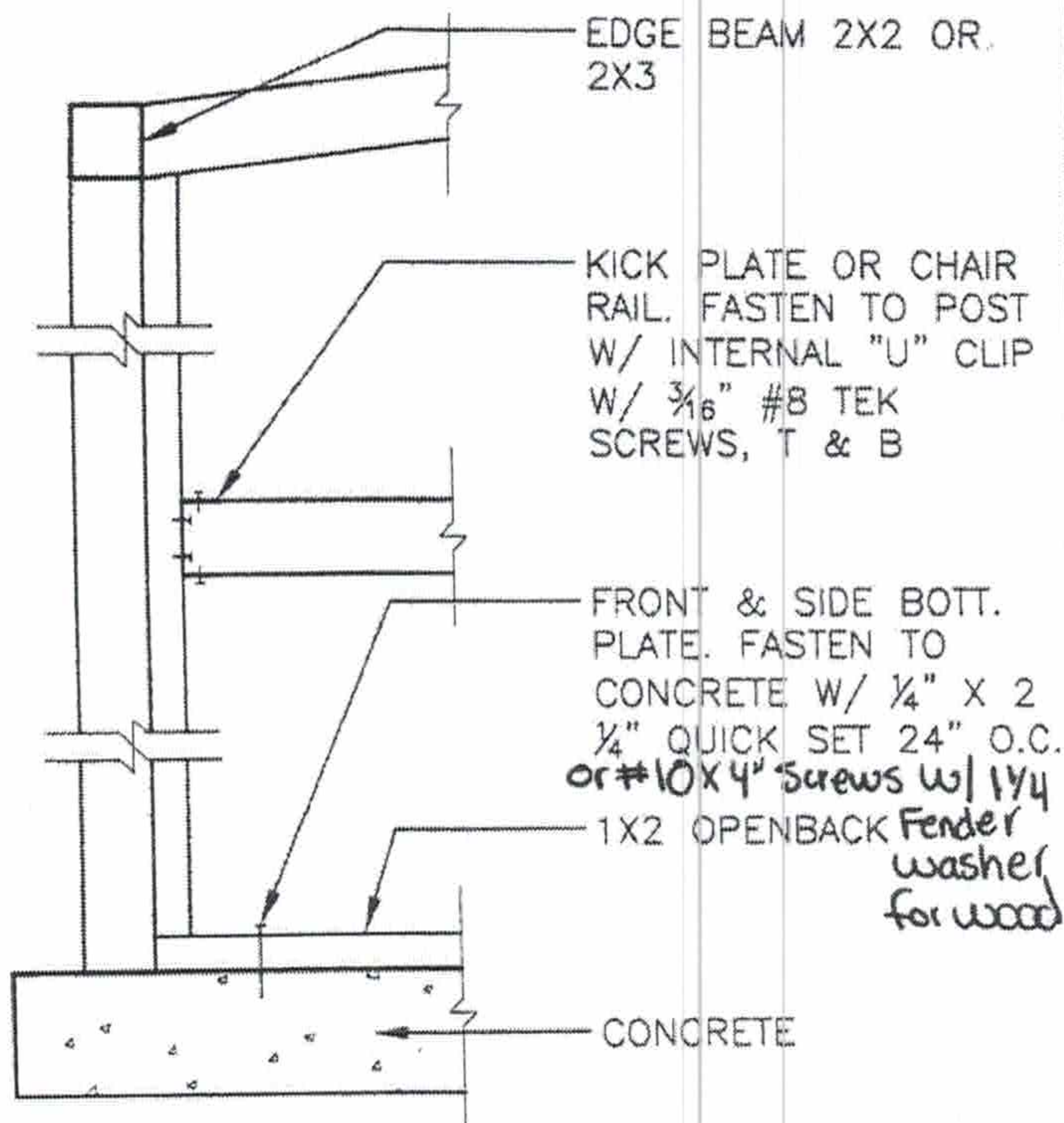
1 1/2" = 1'-0"



**Panel to Wall**

1 1/2" = 1'-0"

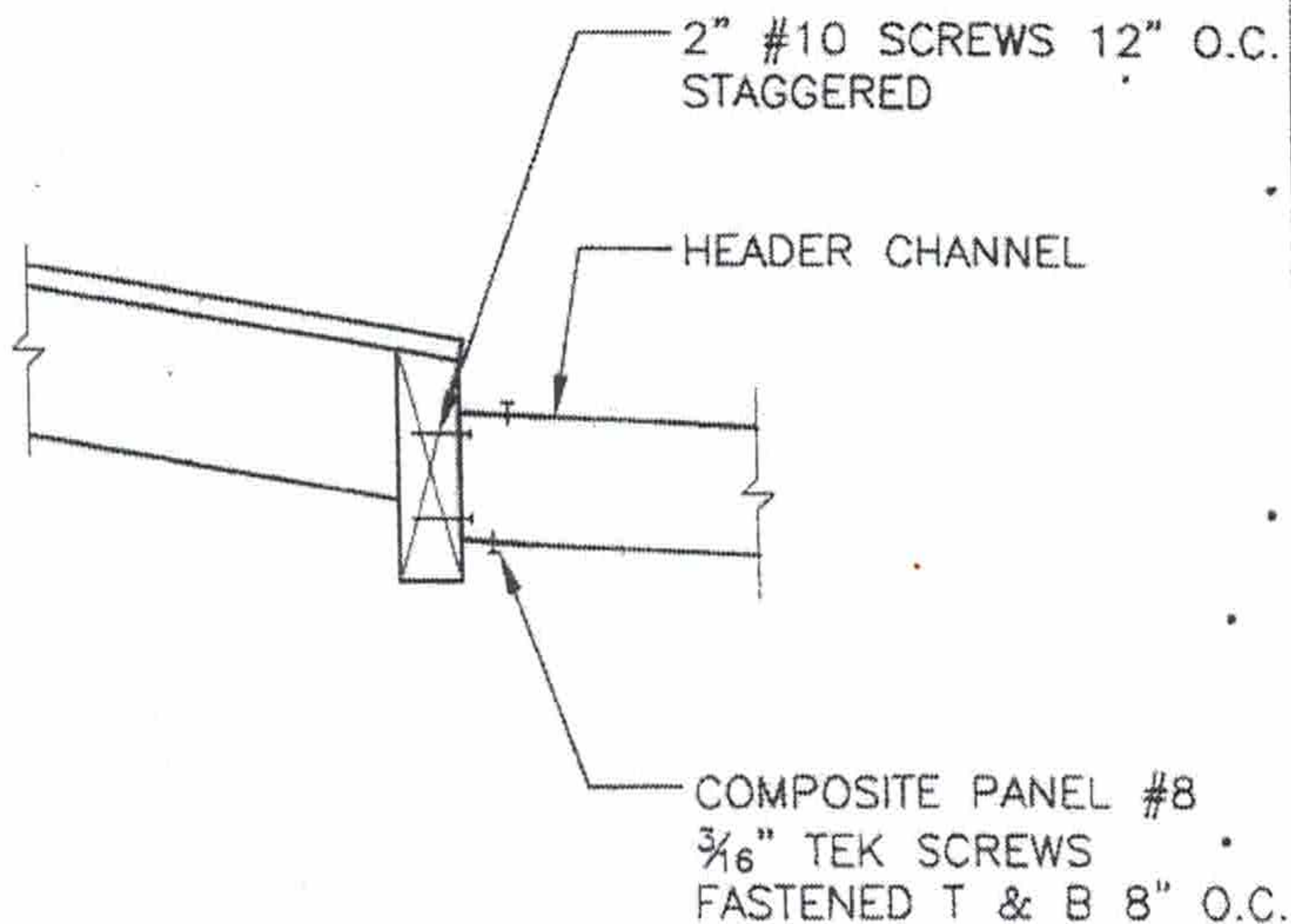




**Screen Wall**

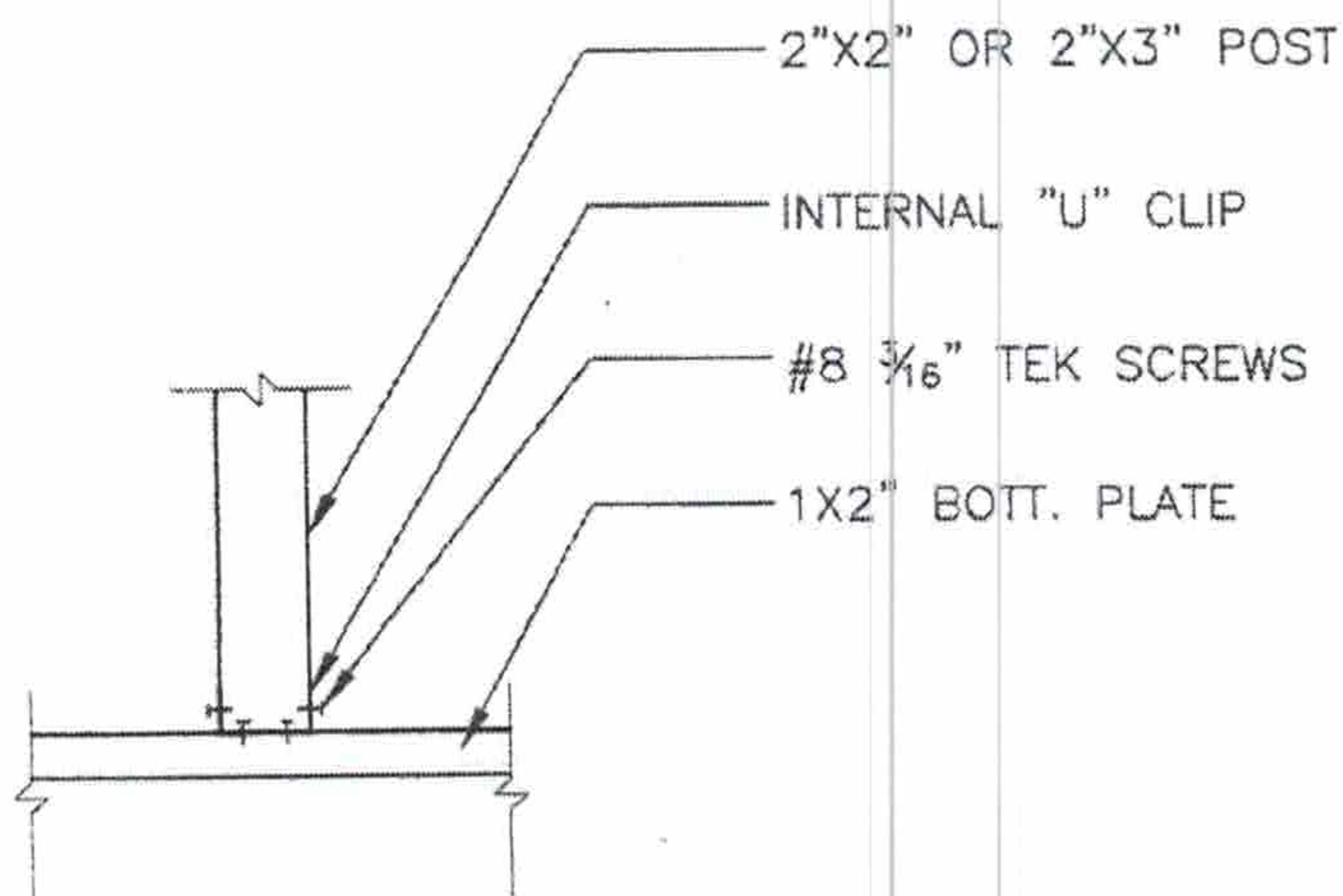
1 1/2" = 1'-0"

SEAL ALL EXPOSED SCREWS



**Panel to Fascia**

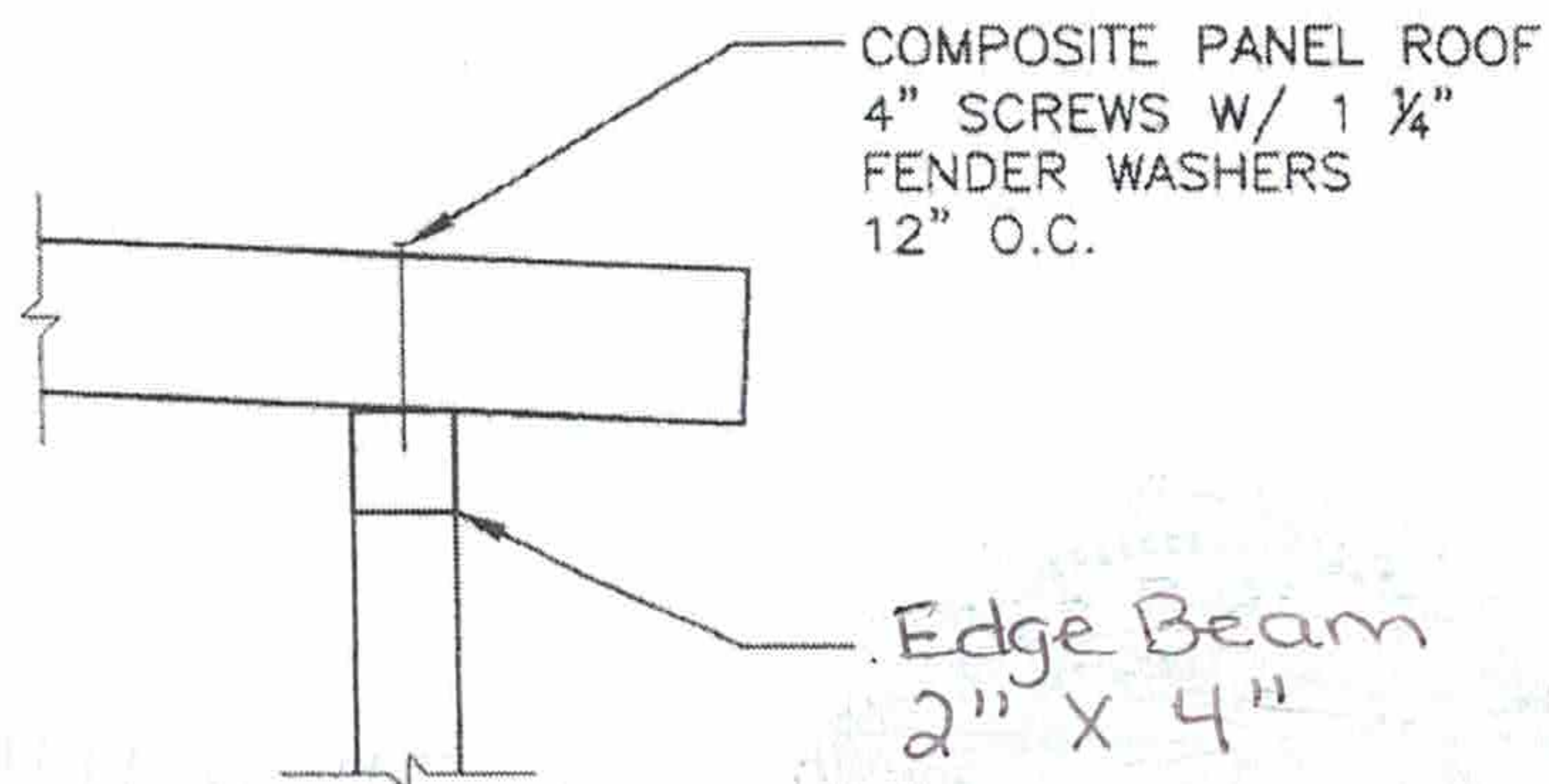
1 1/2" = 1'-0"



**Post to Bott. Plate**

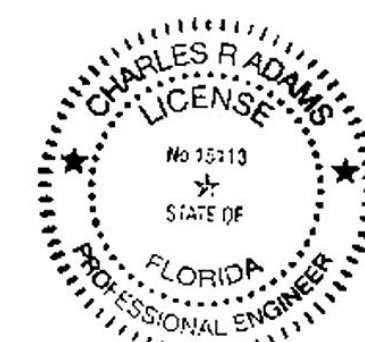
1 1/2" = 1'-0"

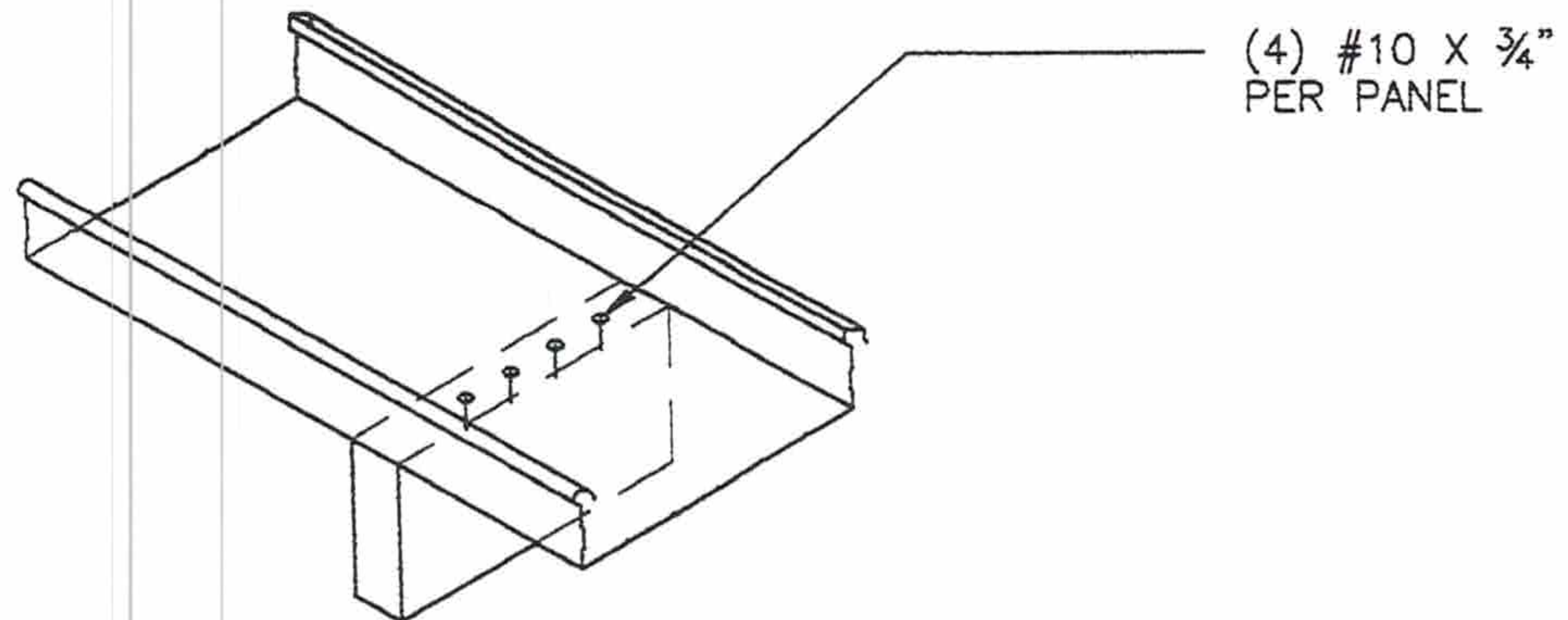
SEAL ALL EXPOSED SCREWS



**Panel to Beam**

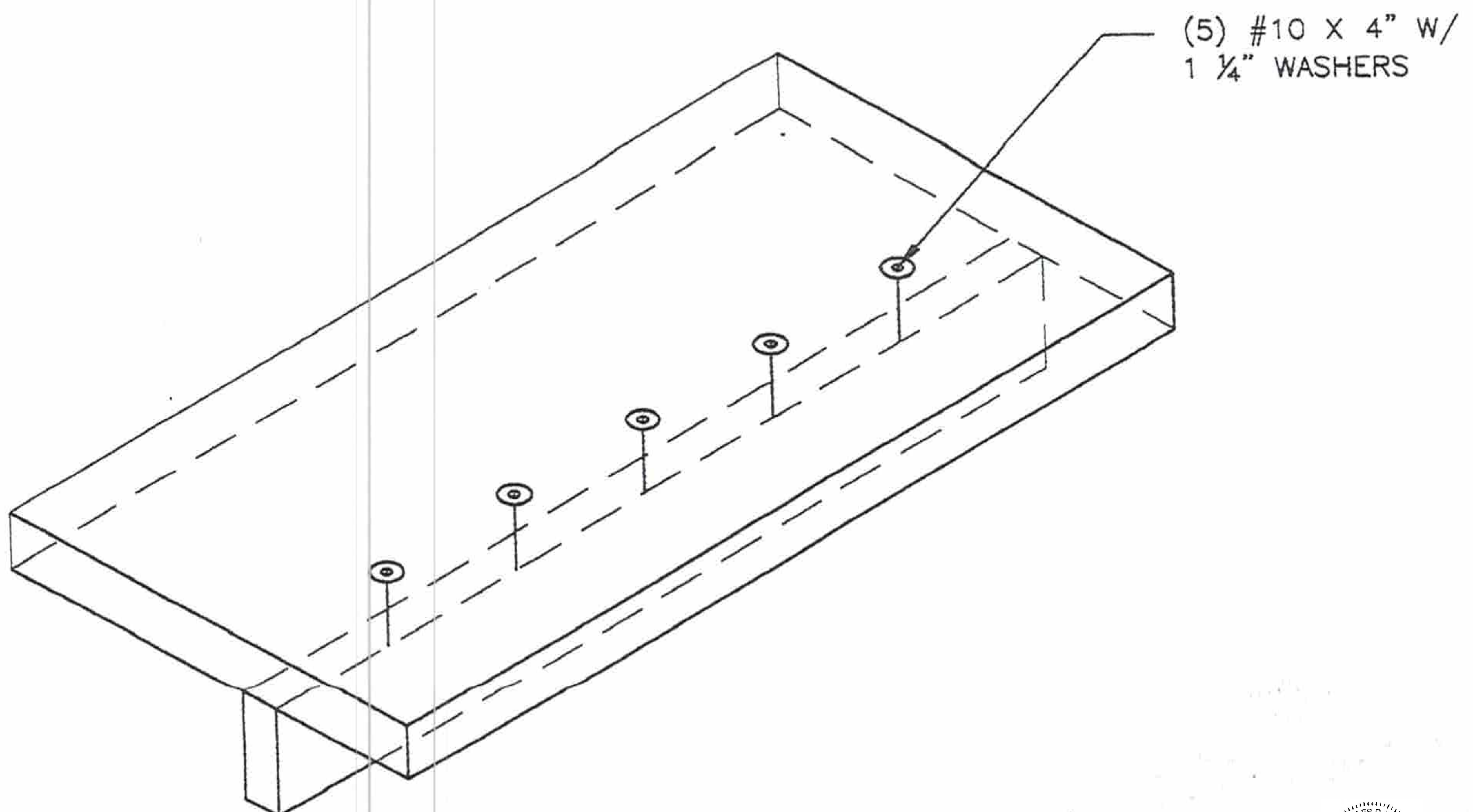
1 1/2" = 1'-0"





Riser Panel to Top Plate or Beam

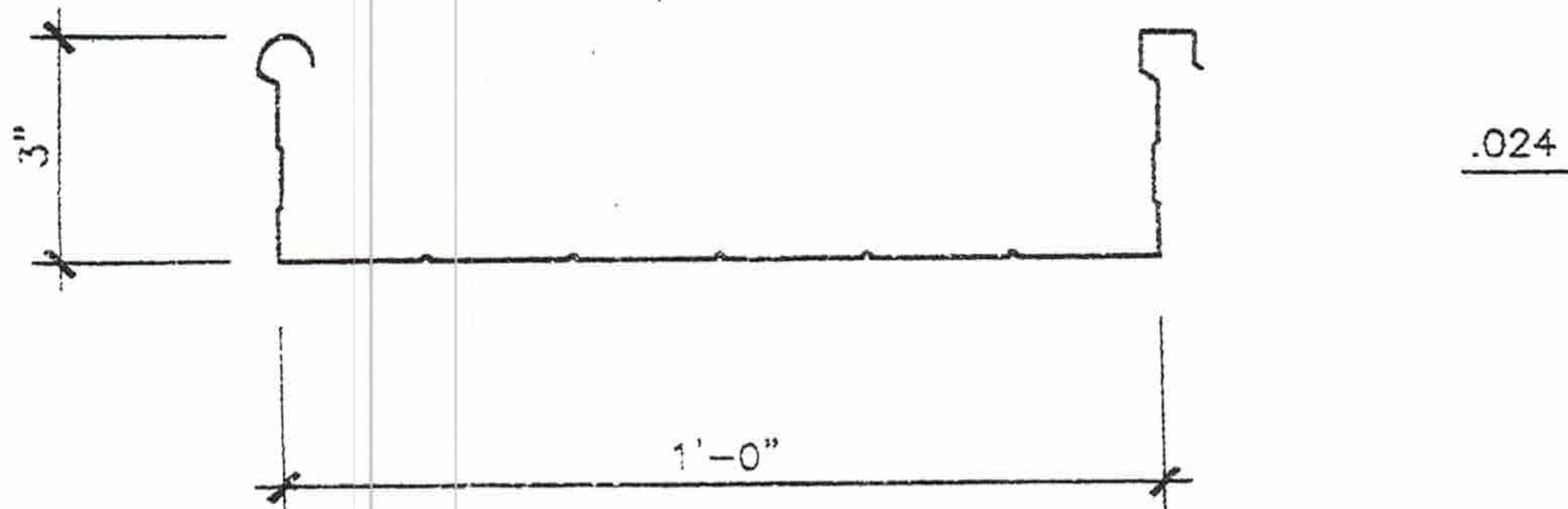
NTS



Composite Roof Panel to Top Plate or Beam

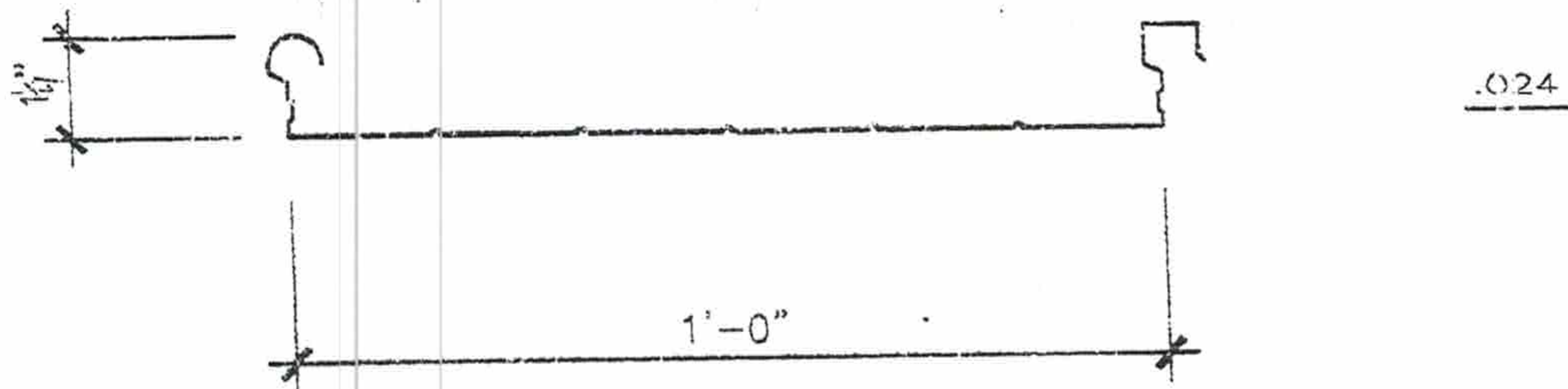
NTS





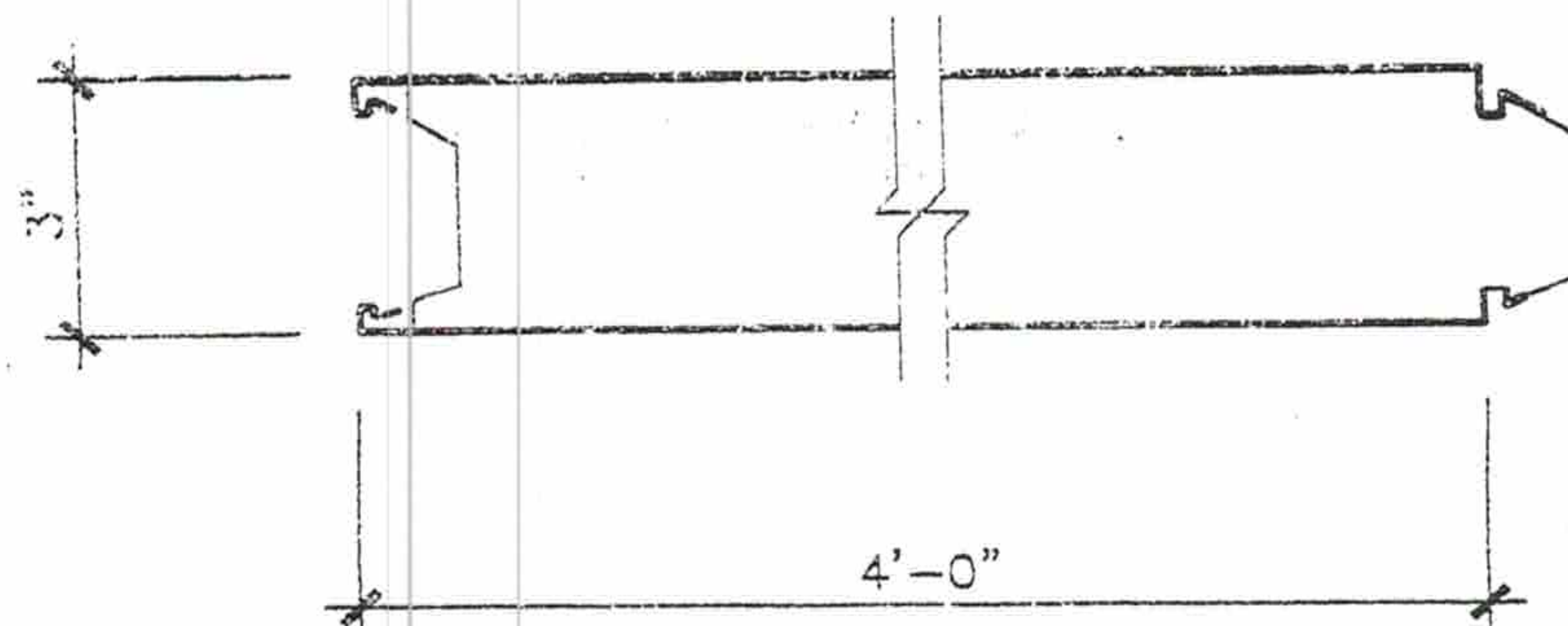
**3" Interlocking Roof Panel**

3" = 1'-0"



**1 1/2" Interlocking Roof Panel**

3" = 1'-0"



**Composite Roof Panel**

3" = 1'-0"

