

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

STRUCTURAL DETAILS

FOR A

NEW PATIO COVER AND GABLE CARPORT (ON EXISTING CONCRETE)

BY

STEVENS CONSTRUCTION & ALUMINUM, INC.

FOR

CHERYL McCARTHY
603 STARBOARD AVE.
EDGEWATER, FL

DESIGN CRITERIA

2020 Florida Building Code
ASCE 7-16
ACI-318-19



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Charles
Adams

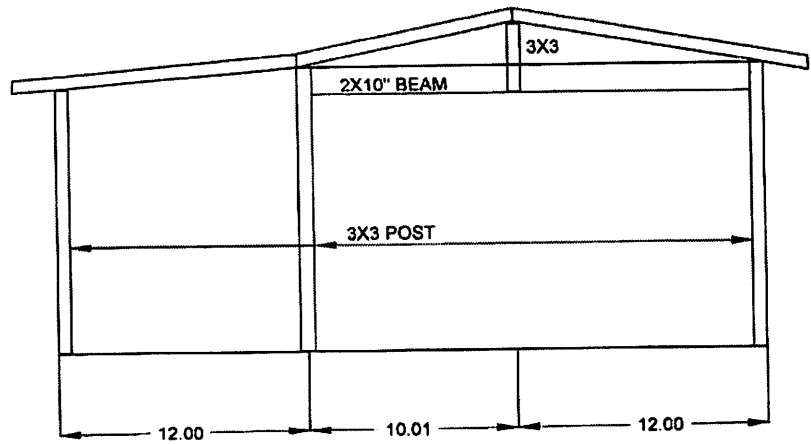
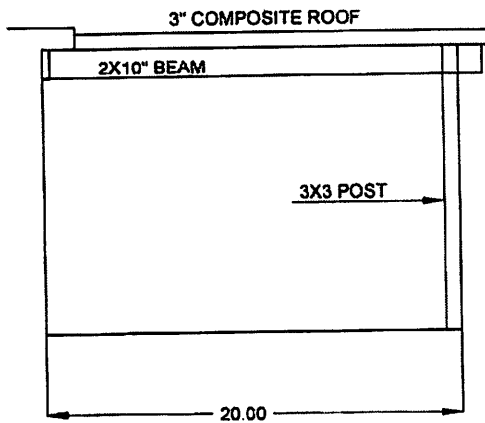
Digitally signed by
Charles Adams
Date: 2023.03.25
10:37:06 -04'00'

WIND LOAD CRITERIA (ASD)

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

NEW GABLE CARPORT ON EXISTING CONCRETE
PG. 1

CHERYL MCCARTHY
603 STARBOARD AVE.
EDGEWATER FL, 32141

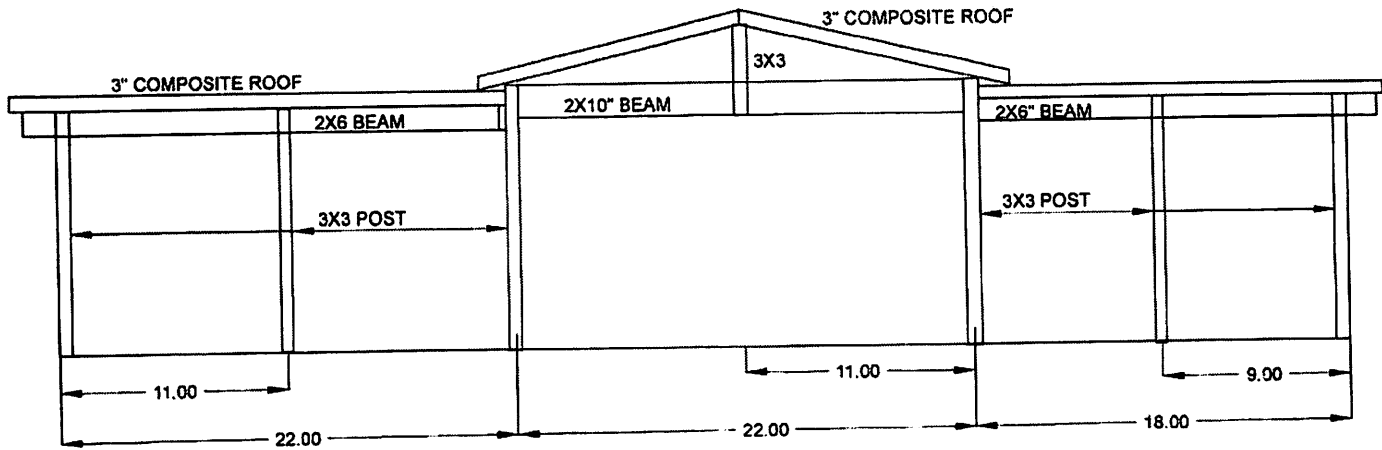


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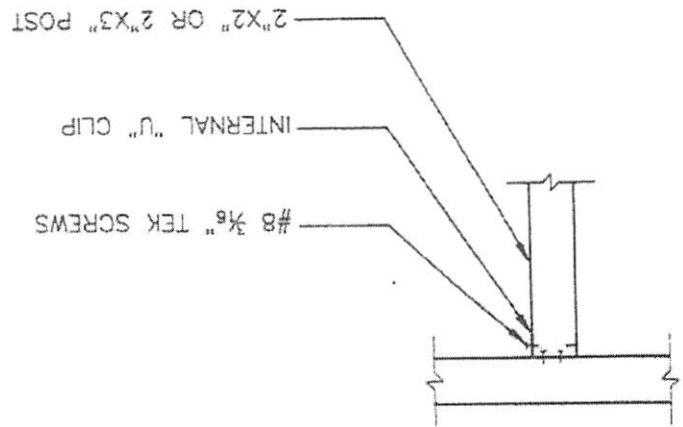
Charles Adams Digitally signed
by Charles Adams
Date: 2023.03.25

NEW PATIO COVER ON EXISTING CONCRETE
PG.2.

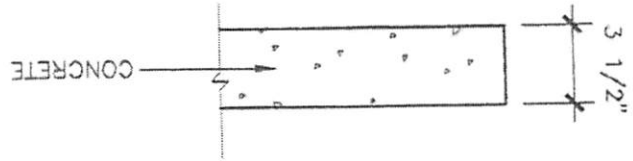
CHERYL MCCARTHY
603 STARBOARD AVE.
EDGEWATER FL, 32141



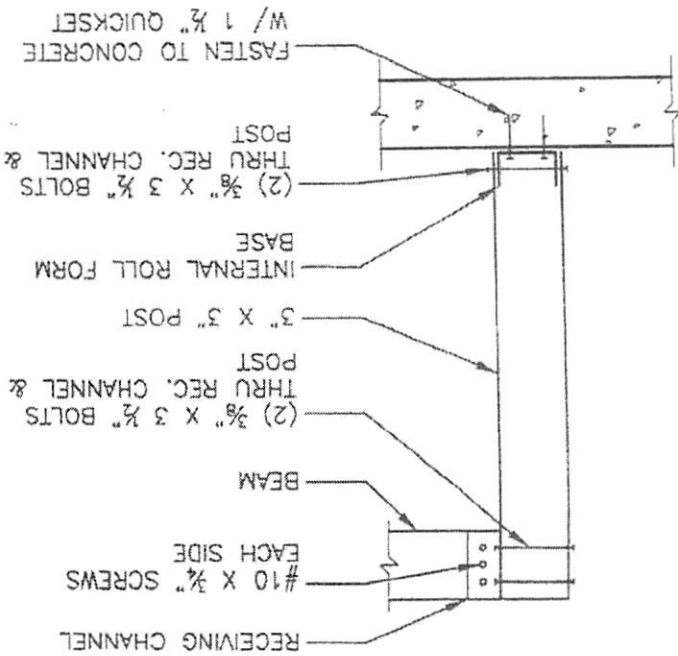
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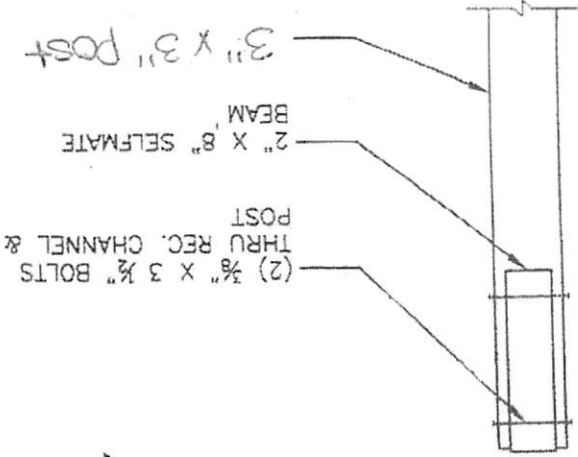
Post to Edge Beam
 1 1/2" = 1'-0"



Existing Slab
 1 1/2" = 1'-0"



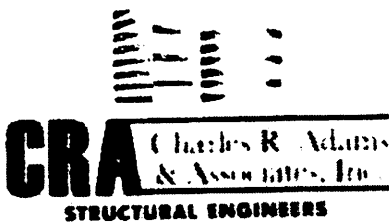
Beam to Post & Post to Base
 1 1/2" = 1'-0"



Beam to Post
 1 1/2" = 1'-0"

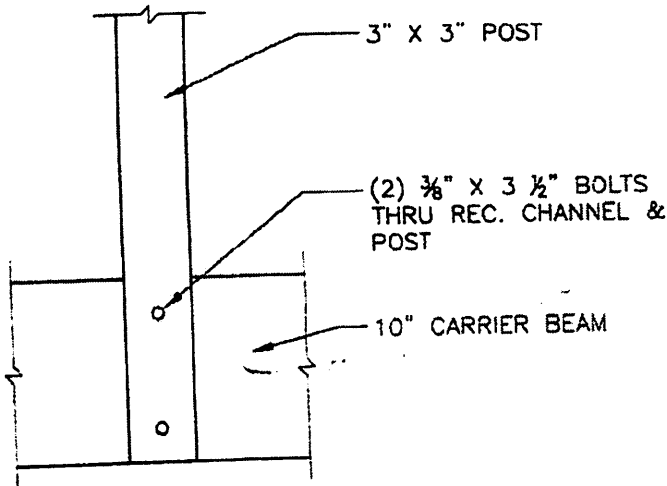
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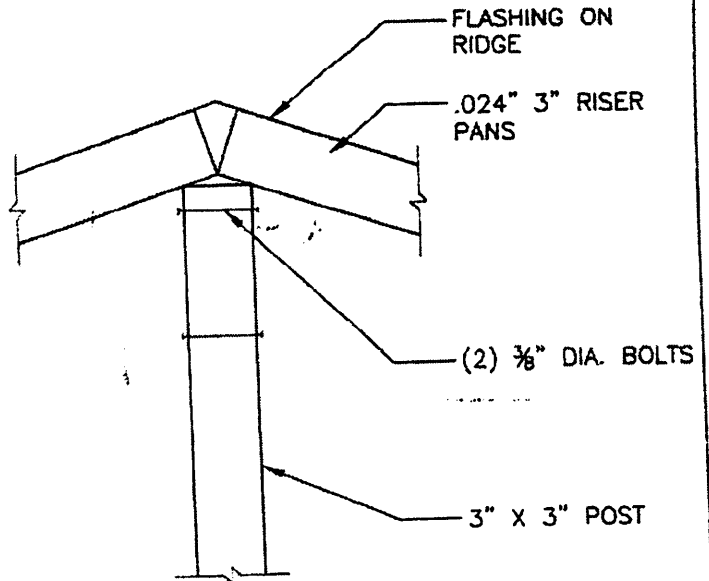
805 East 10th Ave
New Smyrna Beach, FL 32169
(386)426-5583

CHARLES R. ADAMS & ASSOCIATES, INC.
STRUCTURAL ENGINEERS
820 E. 10TH AVE.
NEW SMYRNA BEACH, FL 32169
CA # 4180, FL PE # 15113



Post to Carrier Beam

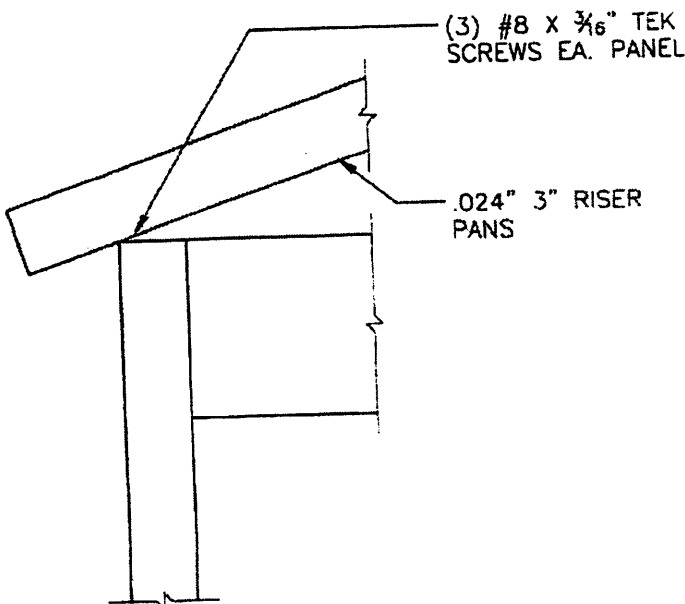
1 1/2" = 1'-0"



Post to Ridge Beam

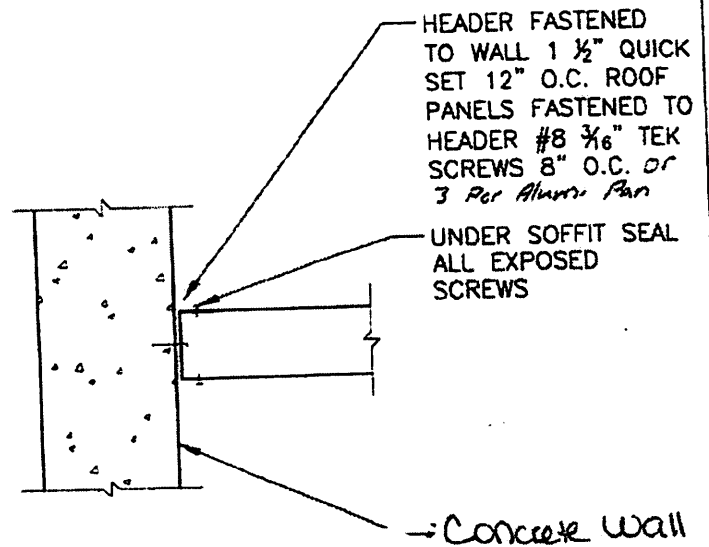
1 1/2" = 1'-0"

SEAL ALL EXPOSED SCREWS



Pangs Fastened to Edge Beam

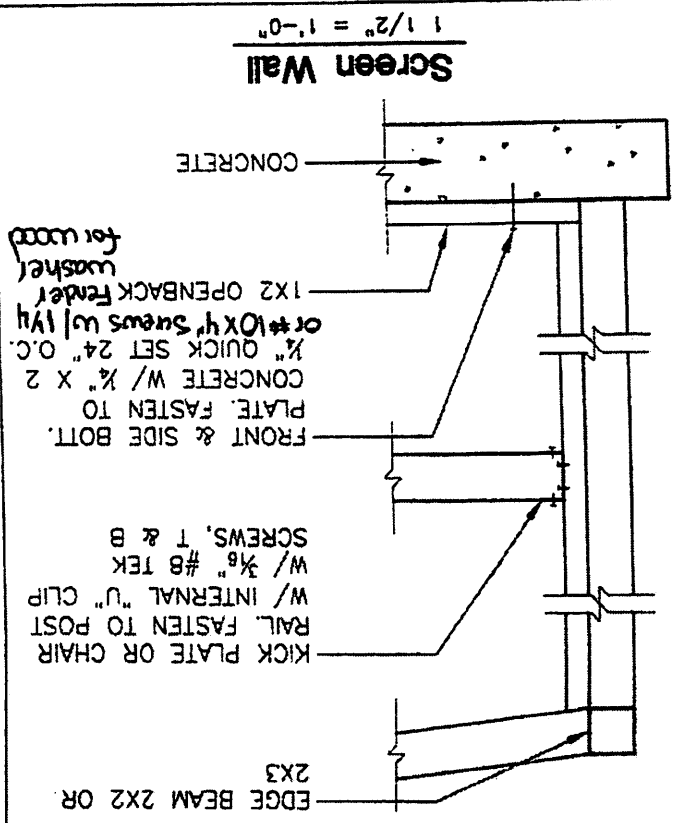
1 1/2" = 1'-0"



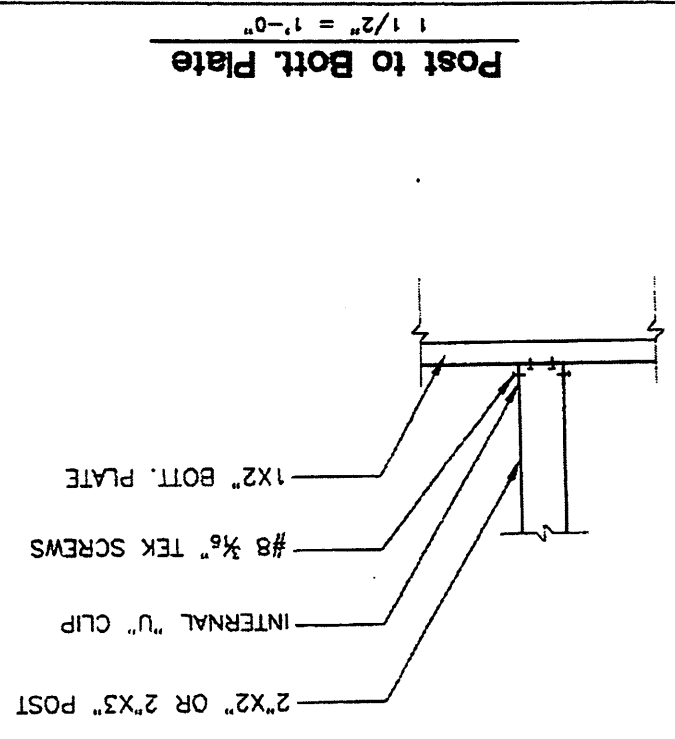
Panel to Wall

1 1/2" = 1'-0"

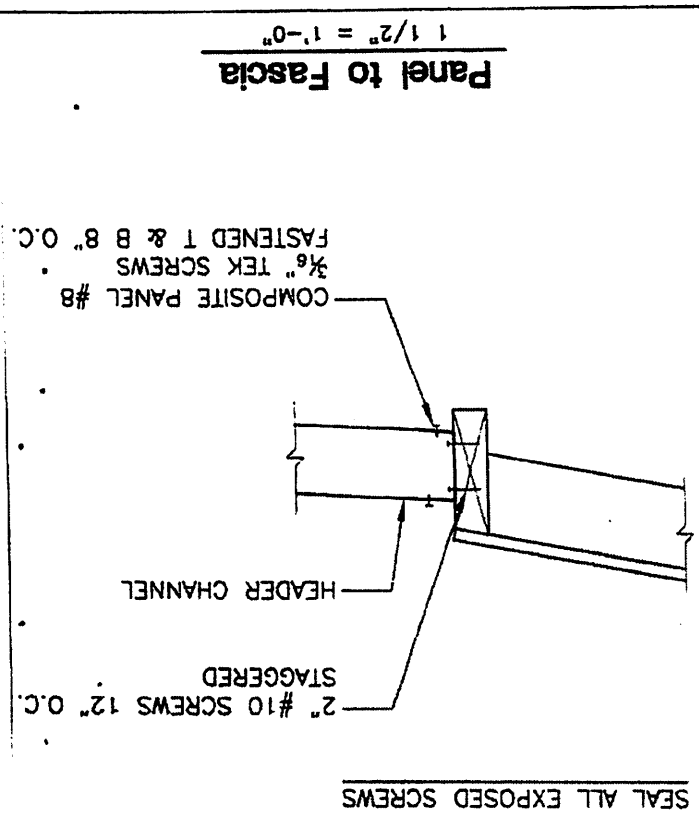
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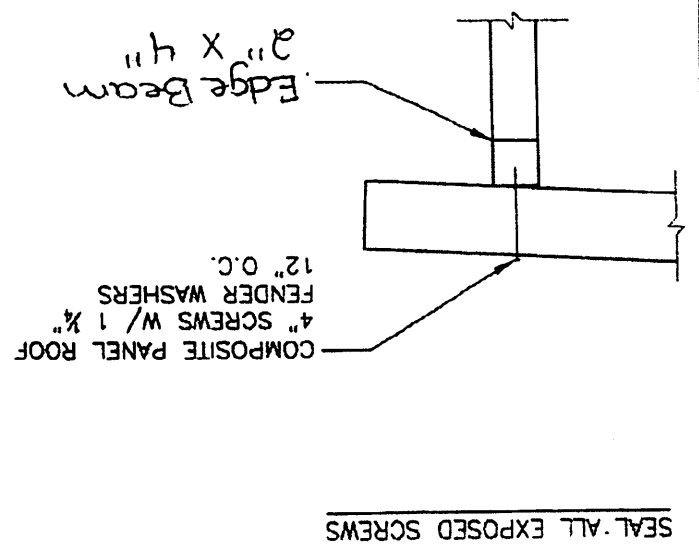
Screen Wall
 $1 \frac{1}{2}" = 1'-0"$



Post to Bolt Plate
 $1 \frac{1}{2}" = 1'-0"$

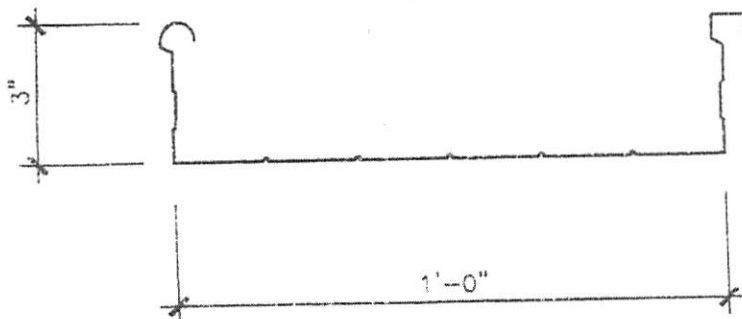


Panel to Fascia
 $1 \frac{1}{2}" = 1'-0"$



Panel to Beam
 $1 \frac{1}{2}" = 1'-0"$

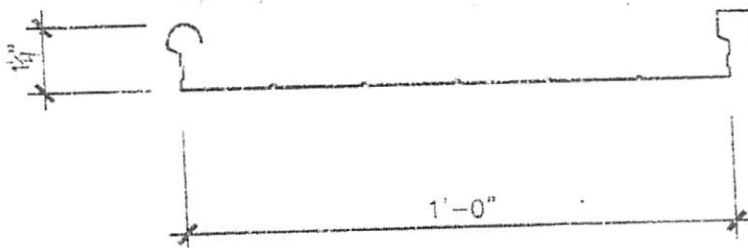
This work was prepared and sealed by
 Charles R. Adams as the duly registered Professional Engineer, of the
 State of Florida, License No. 15113.
 I hereby certify that the above work was prepared and sealed by me or under my direct supervision and that I am a duly registered Professional Engineer in the State of Florida.



.024

3" Interlocking Roof Panel

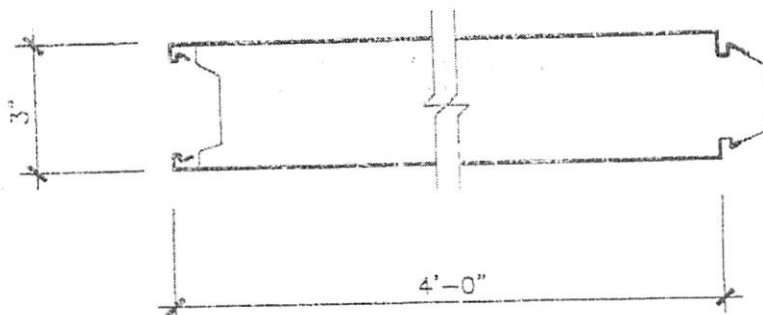
3" = 1'-0"



.024

1 1/2" Interlocking Roof Panel

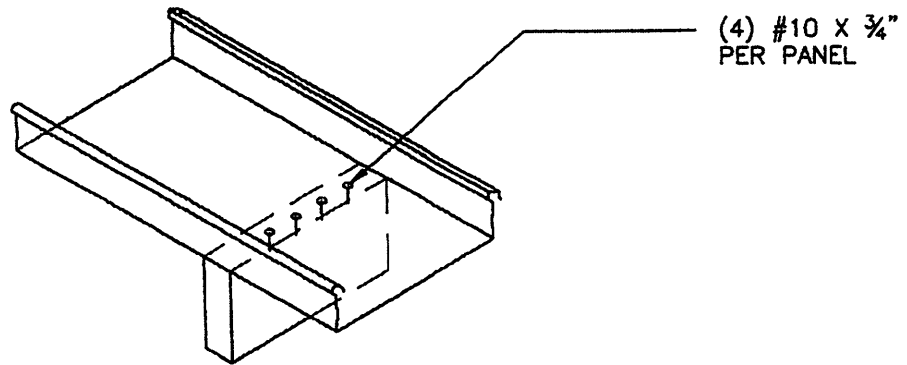
3" = 1'-0"



Composite Roof Panel

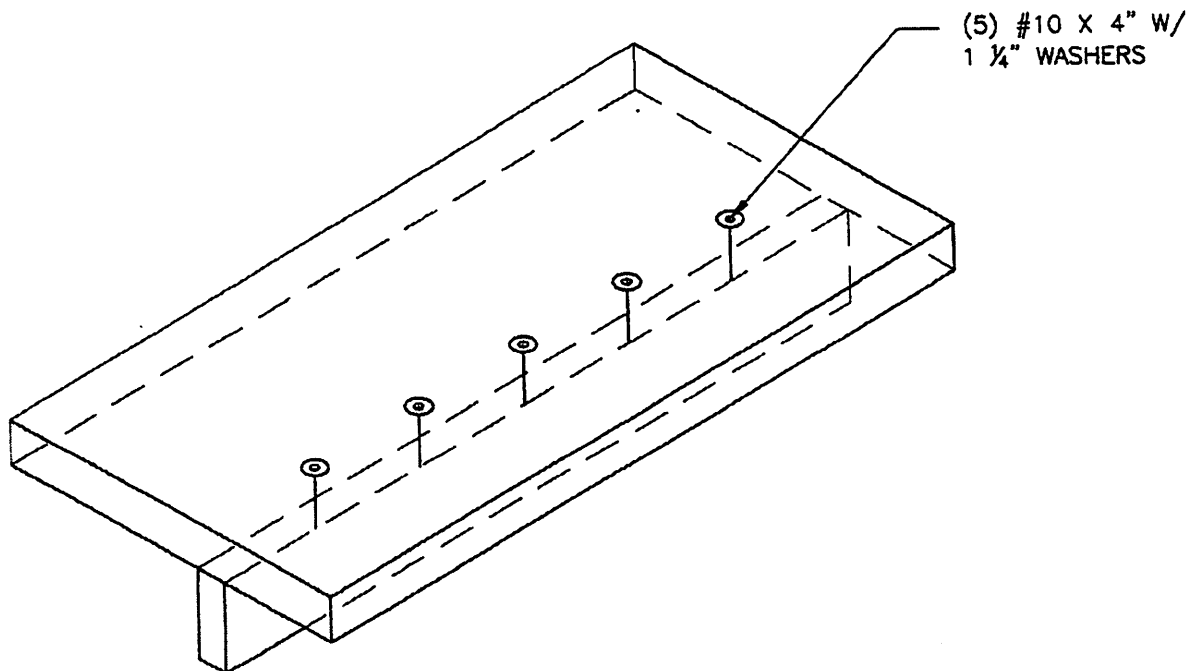
3" = 1'-0"

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Riser Panel to Top Plate or Beam

NTS



Composite Roof Panel to Top Plate or Beam

NTS



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