



GLOBAL PANEL SOLUTIONS INC.

Technical Manual

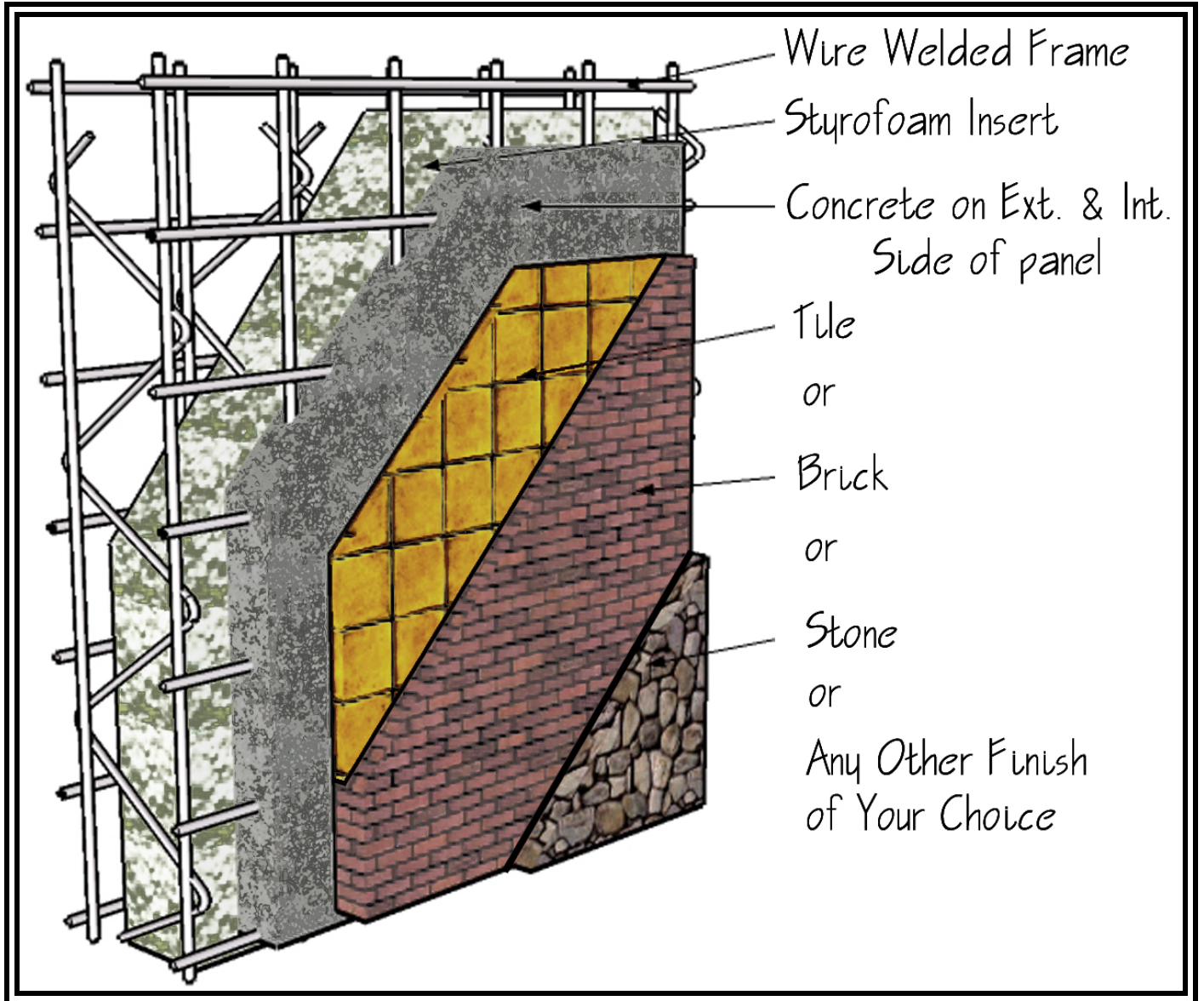
Construction Detail Index Revision# 040706

Details Presented in this Section May Require Engineering Verification Prior to
Incorporation in Specific Construction Projects.

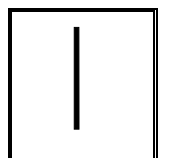
ANALYSIS AND VERIFICATIONS MUST BE MADE BY THE PROJECT ENGINEER.

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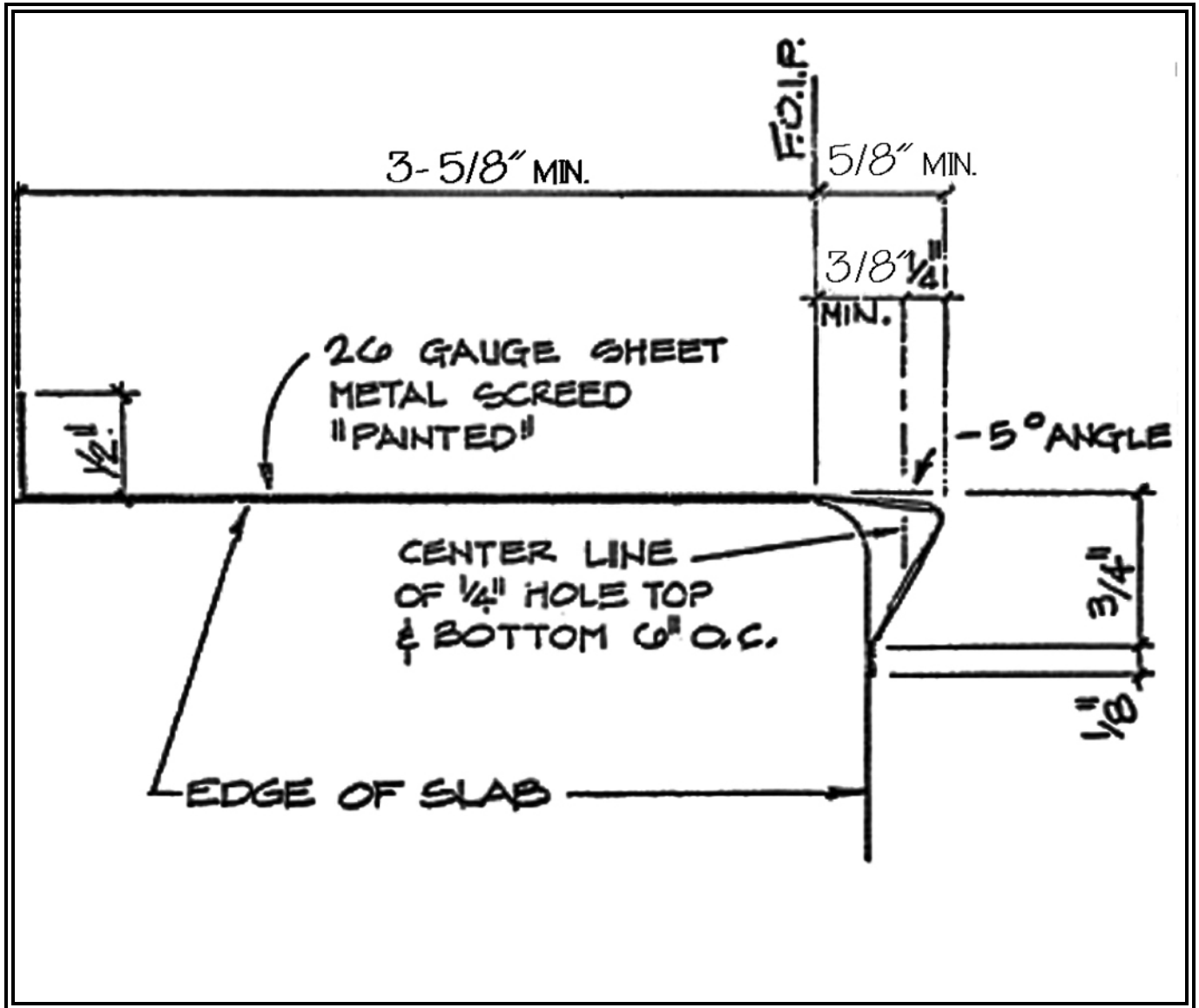
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ISOMETRIC OF
GPS PANEL



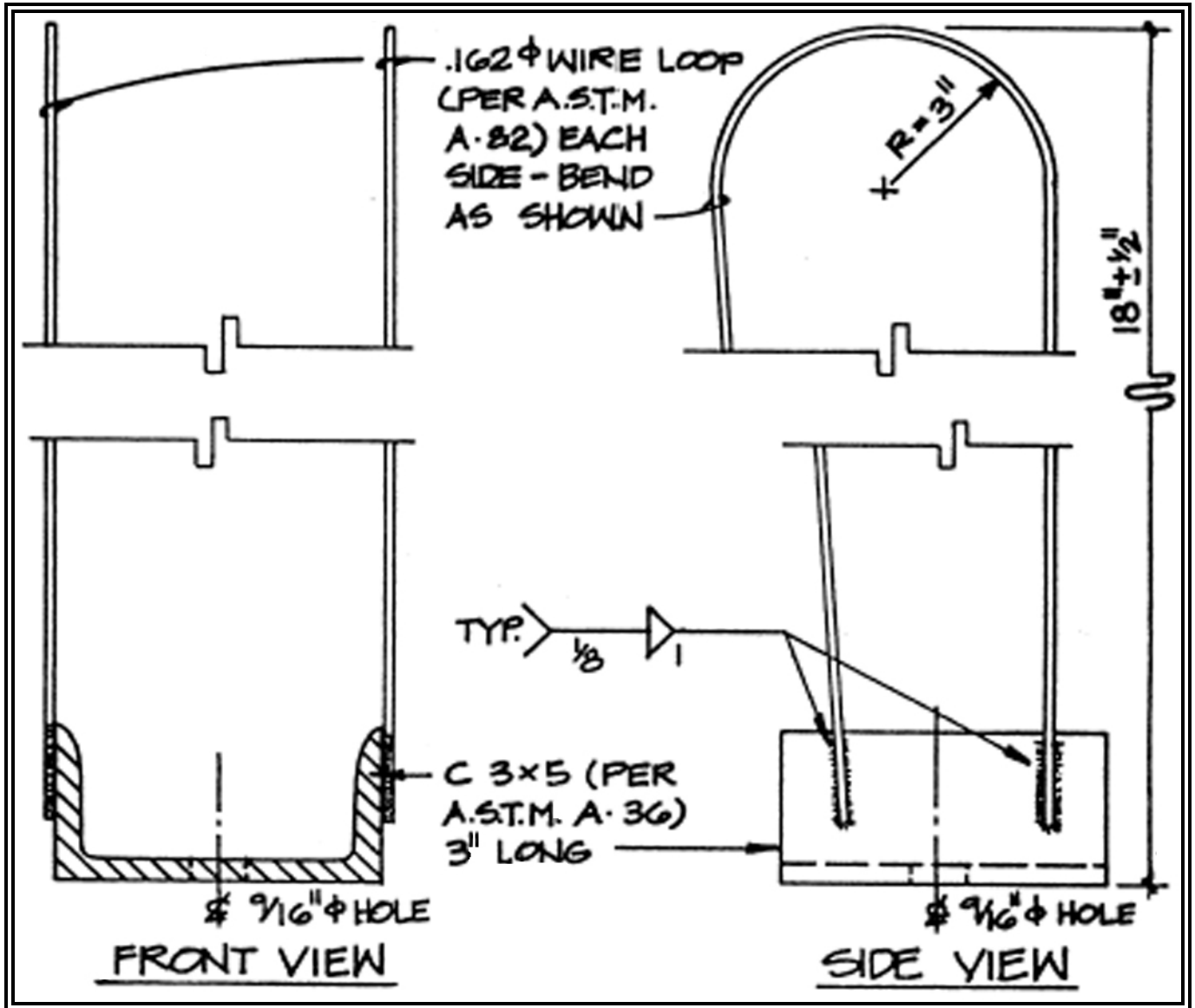
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Exterior Bottom Screed

4

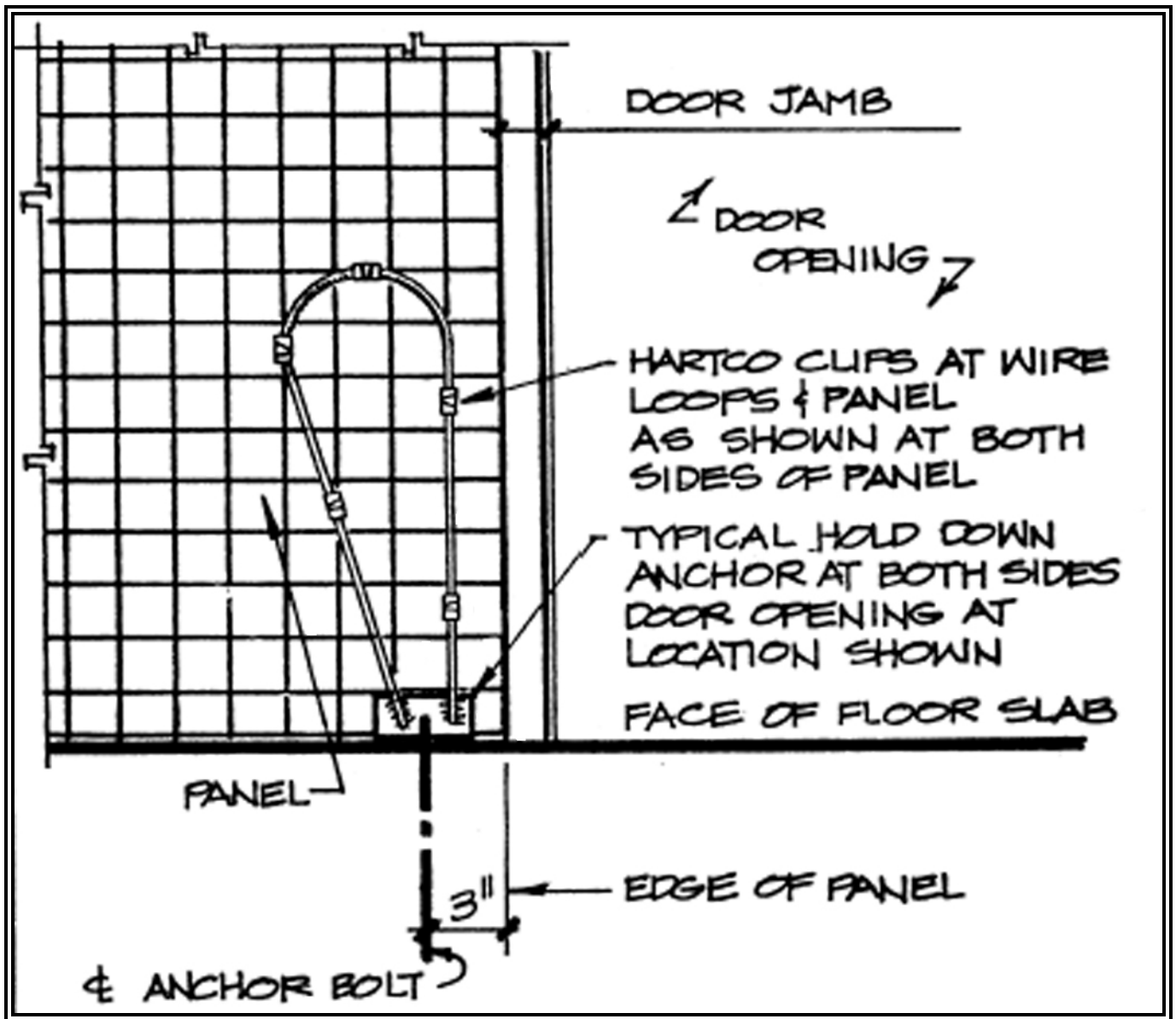
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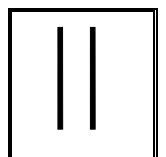
Hold Down Anchor

10

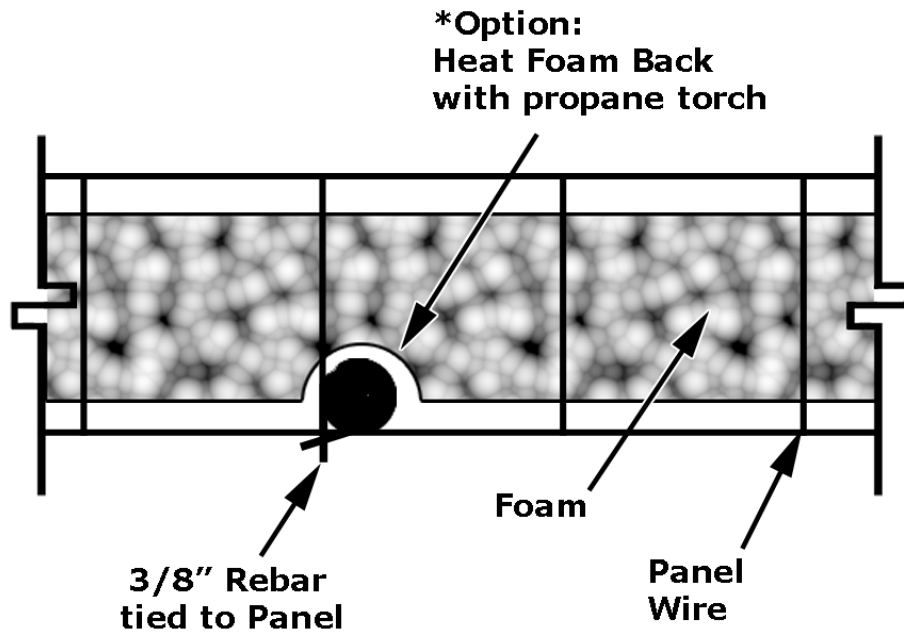
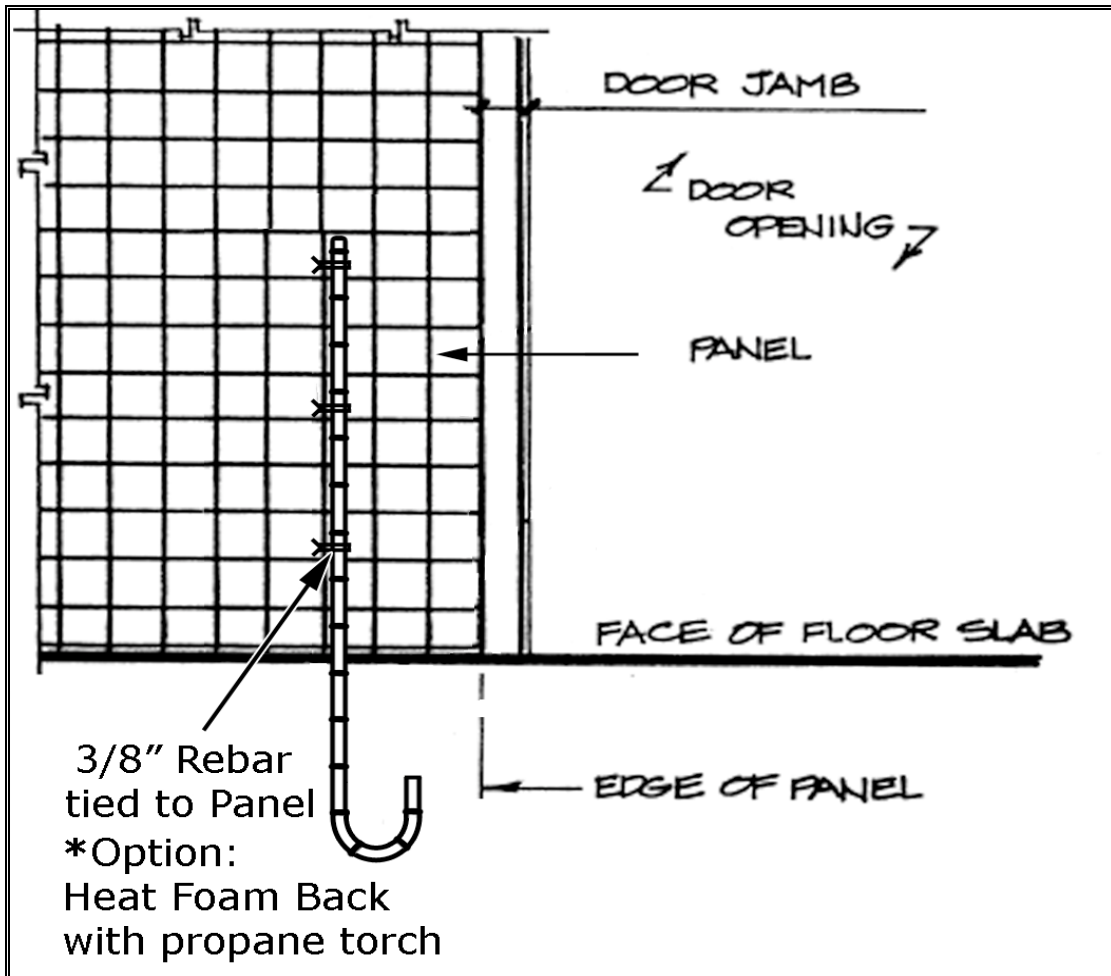
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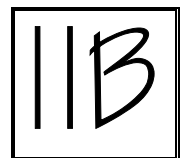
HOLD DOWN ANCHOR AT
PANEL TYP. @ DOOR JAMB



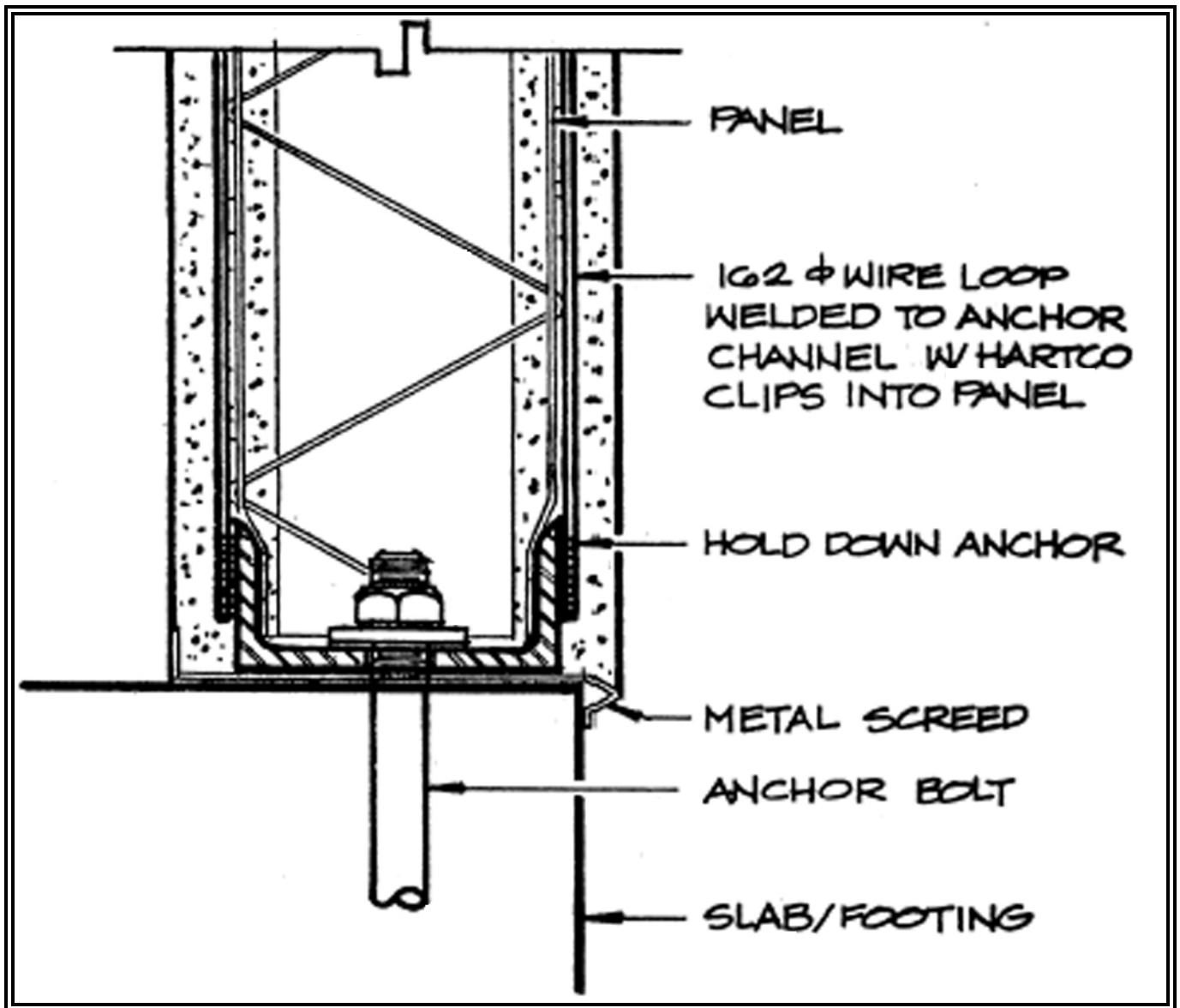
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ALTERNATE HOLD DOWN ANCHOR
AT PANEL TYP. @ DOOR JAMB



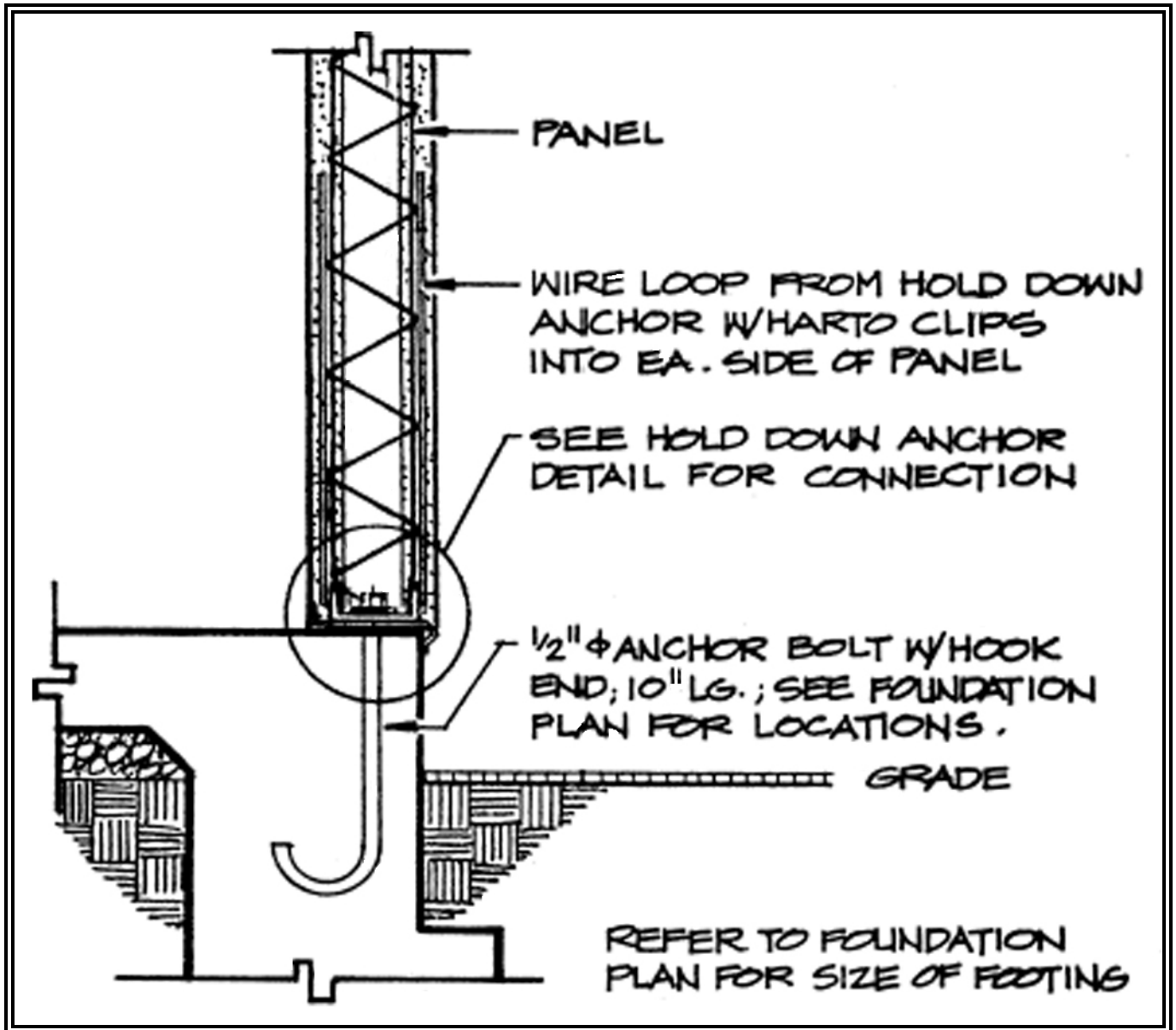
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HOLD DOWN ANCHOR
@ PANEL

12

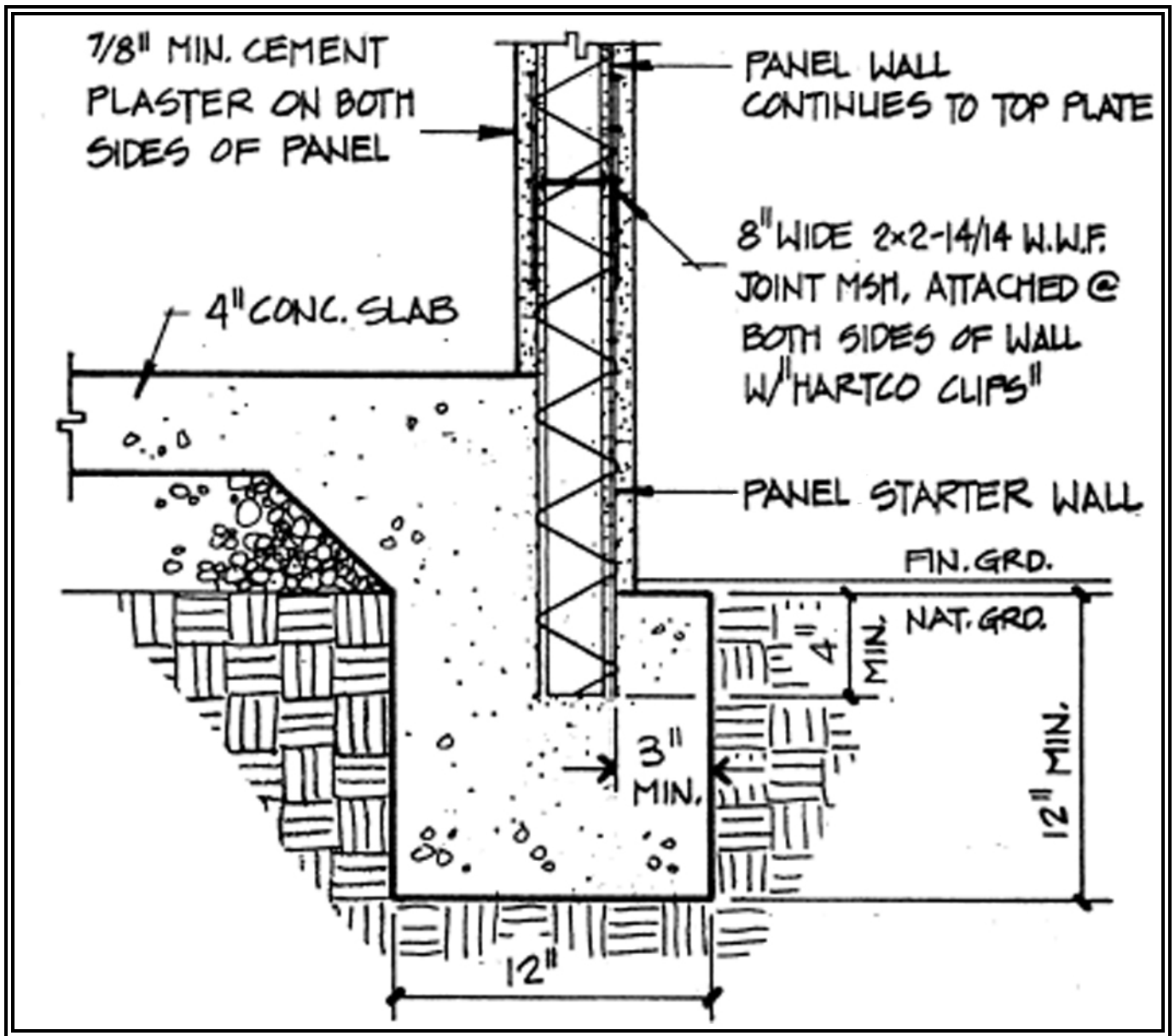
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Anchor Bolt & Hold Down at
Panel

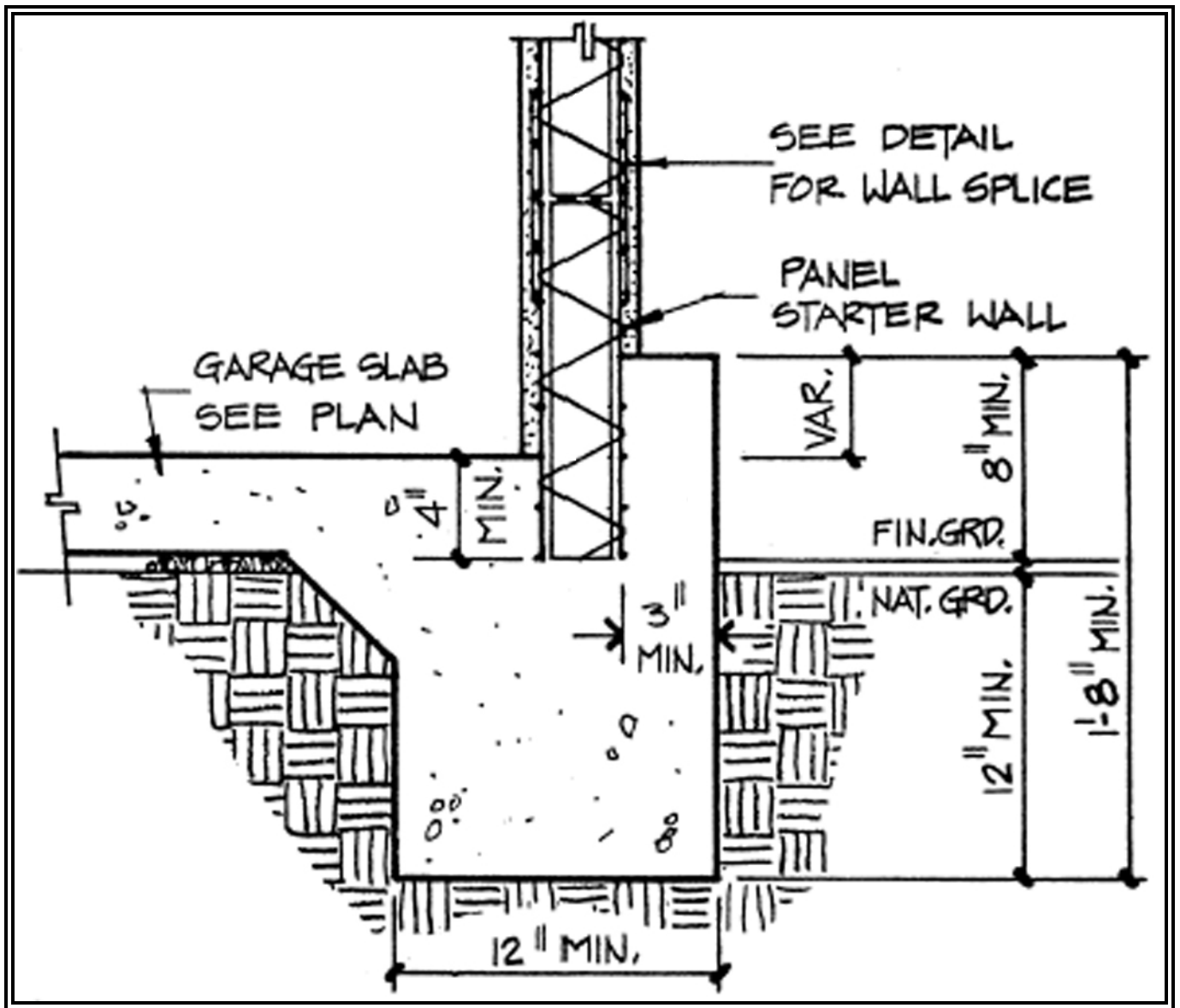
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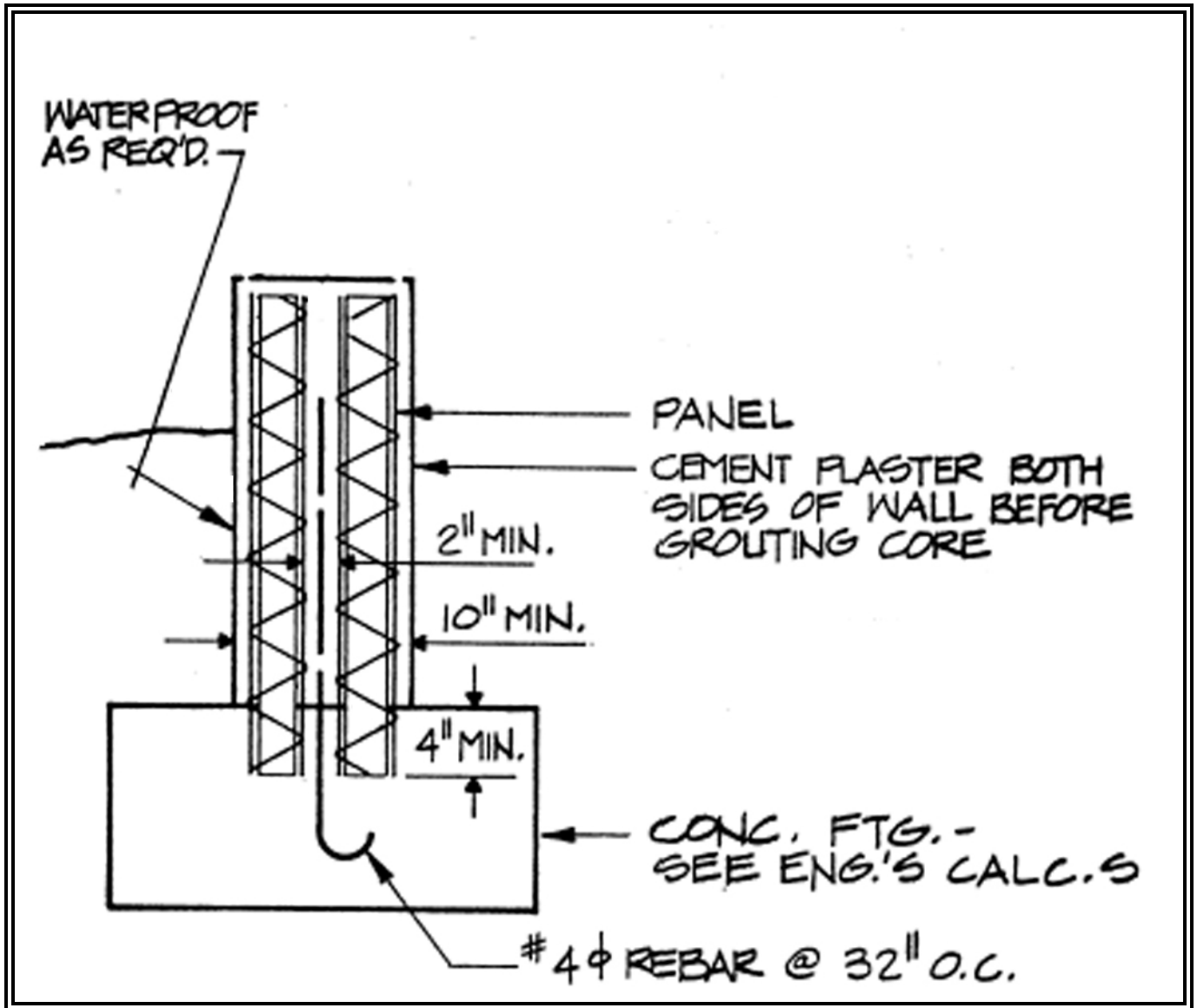
Exterior Footing (A)

14



Exterior Footing (B)

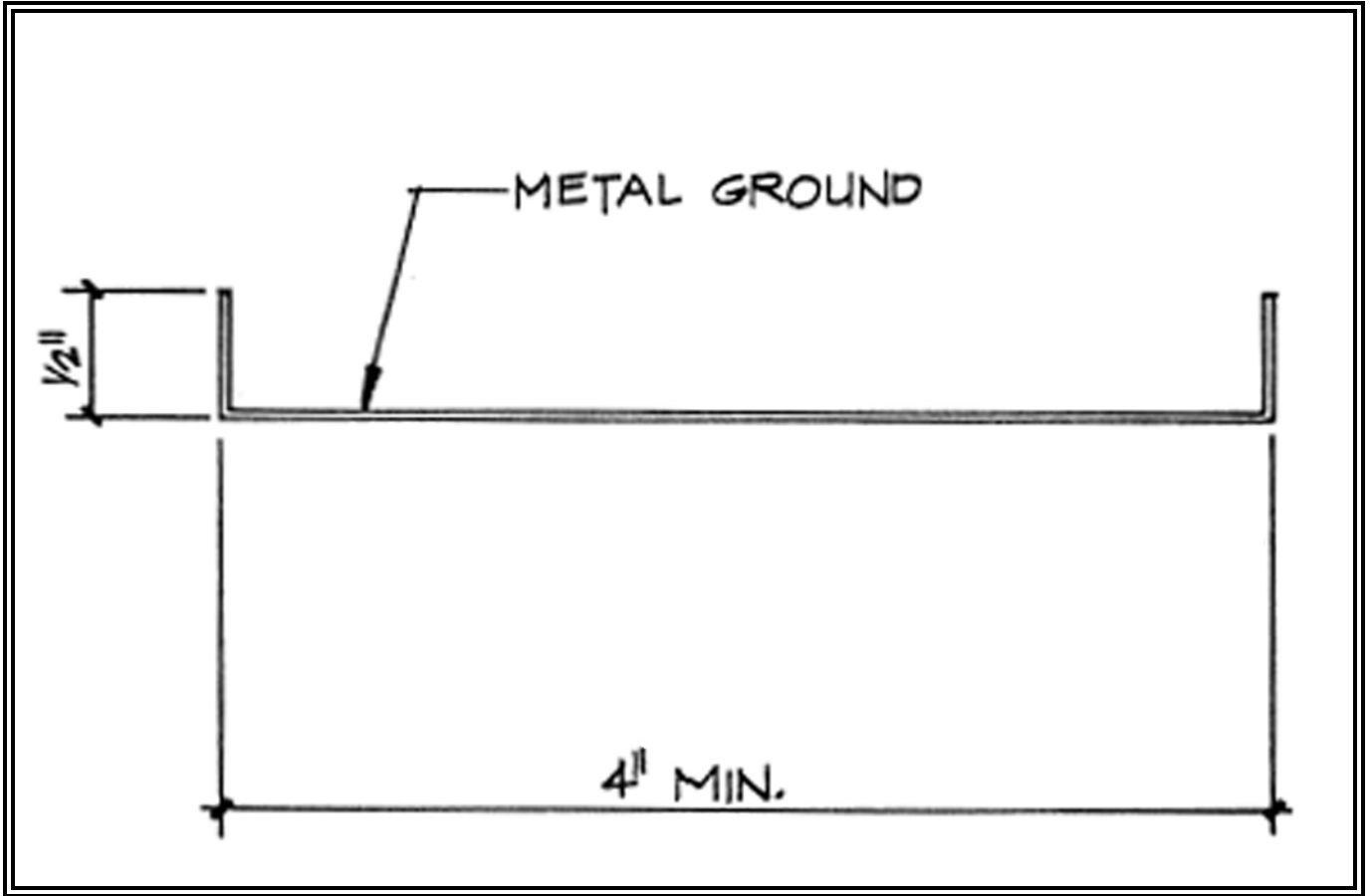
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Ext. Retaining Footing

16

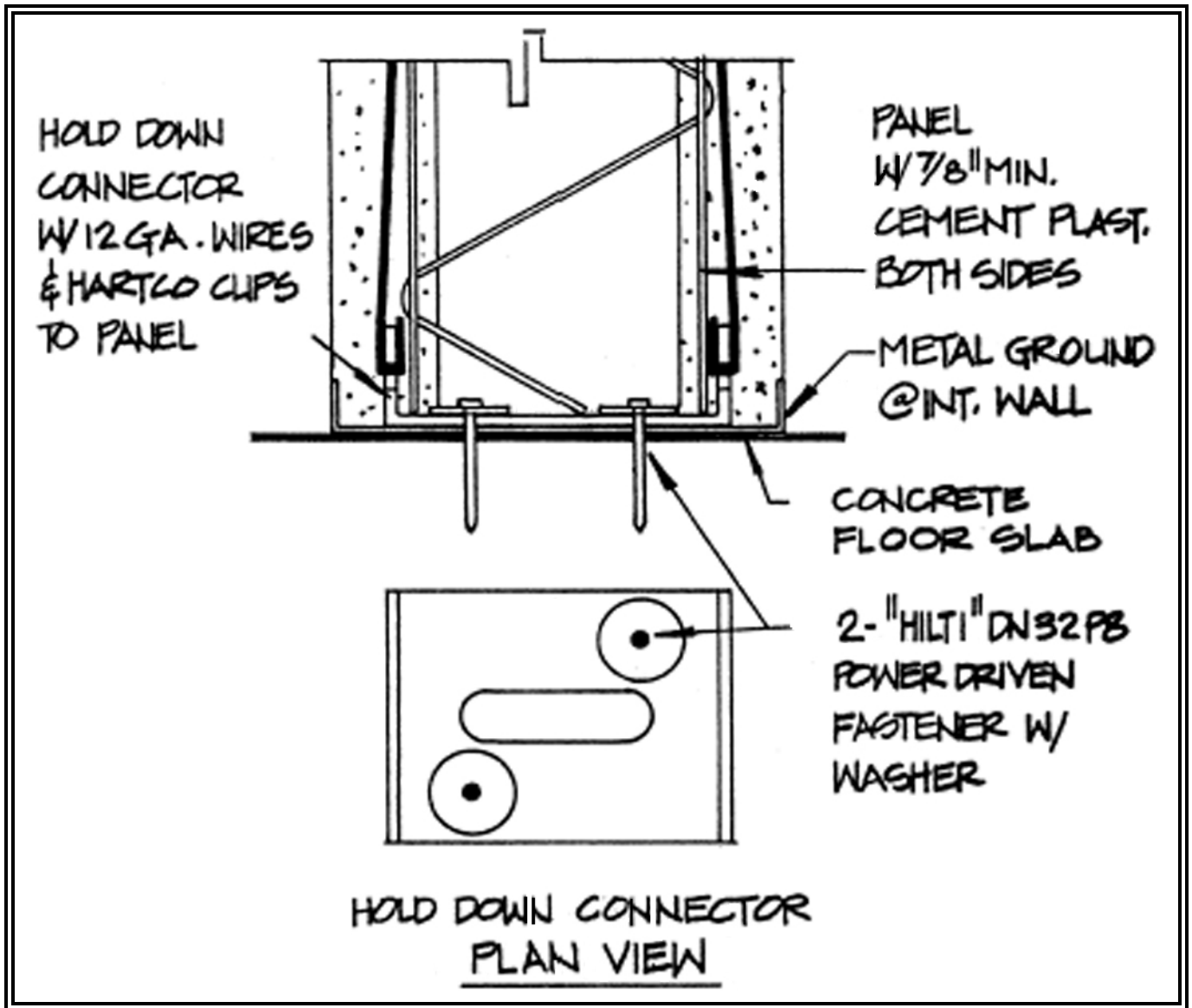
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Metal Ground @ Int. Wall

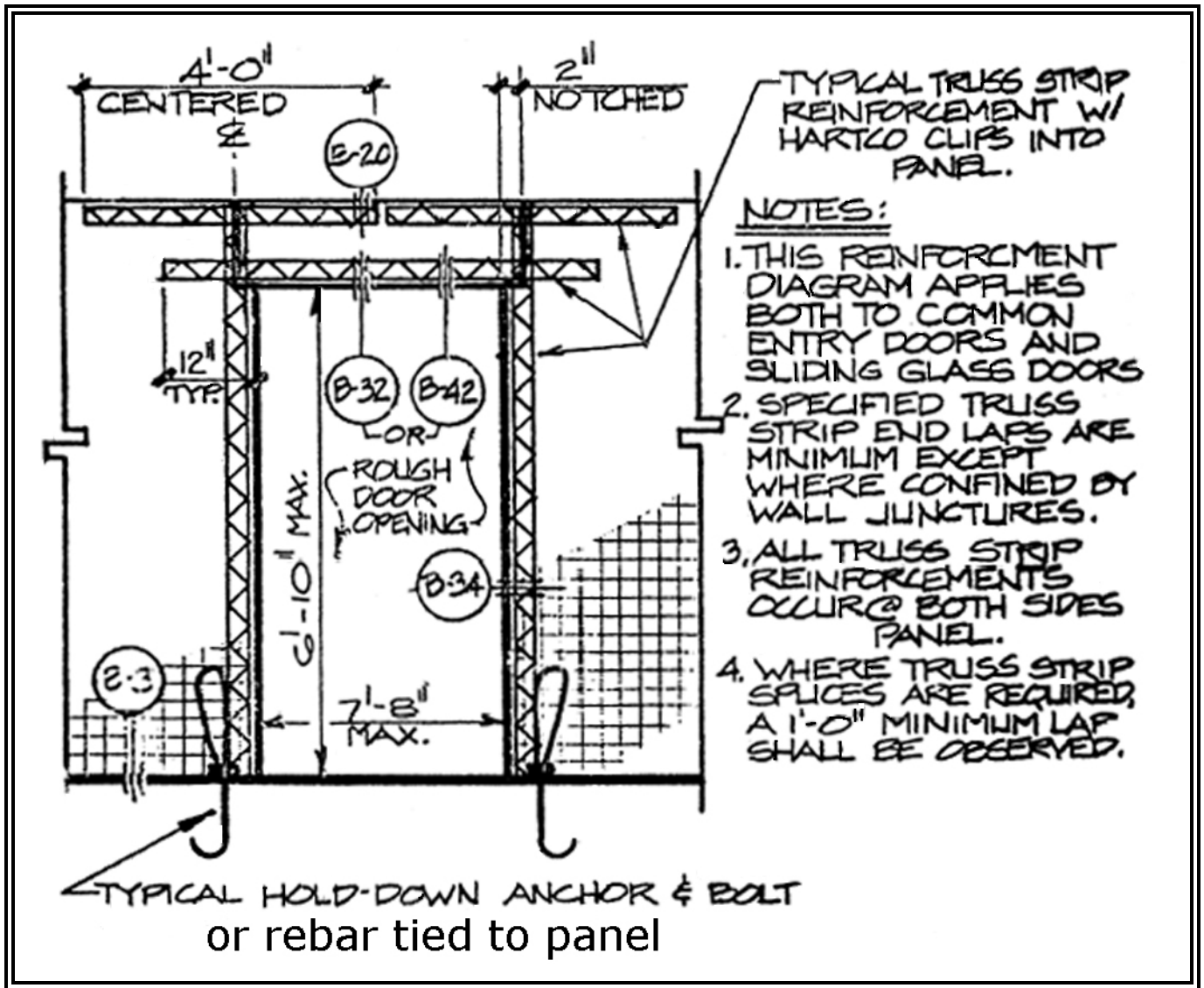
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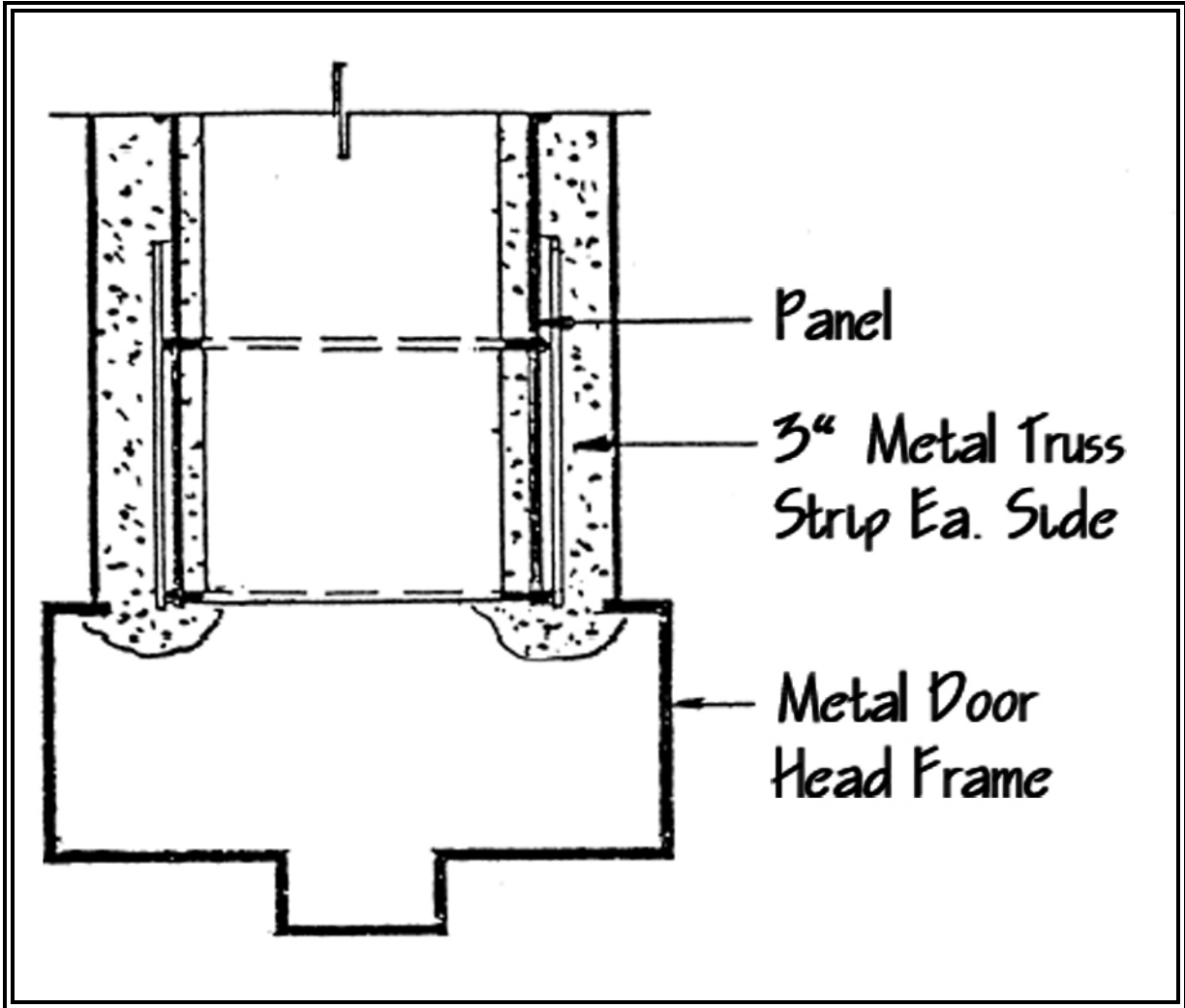
Int. Wall Panel Connection to
Concrete Floor

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Typ. Door Opening
Reinforcement

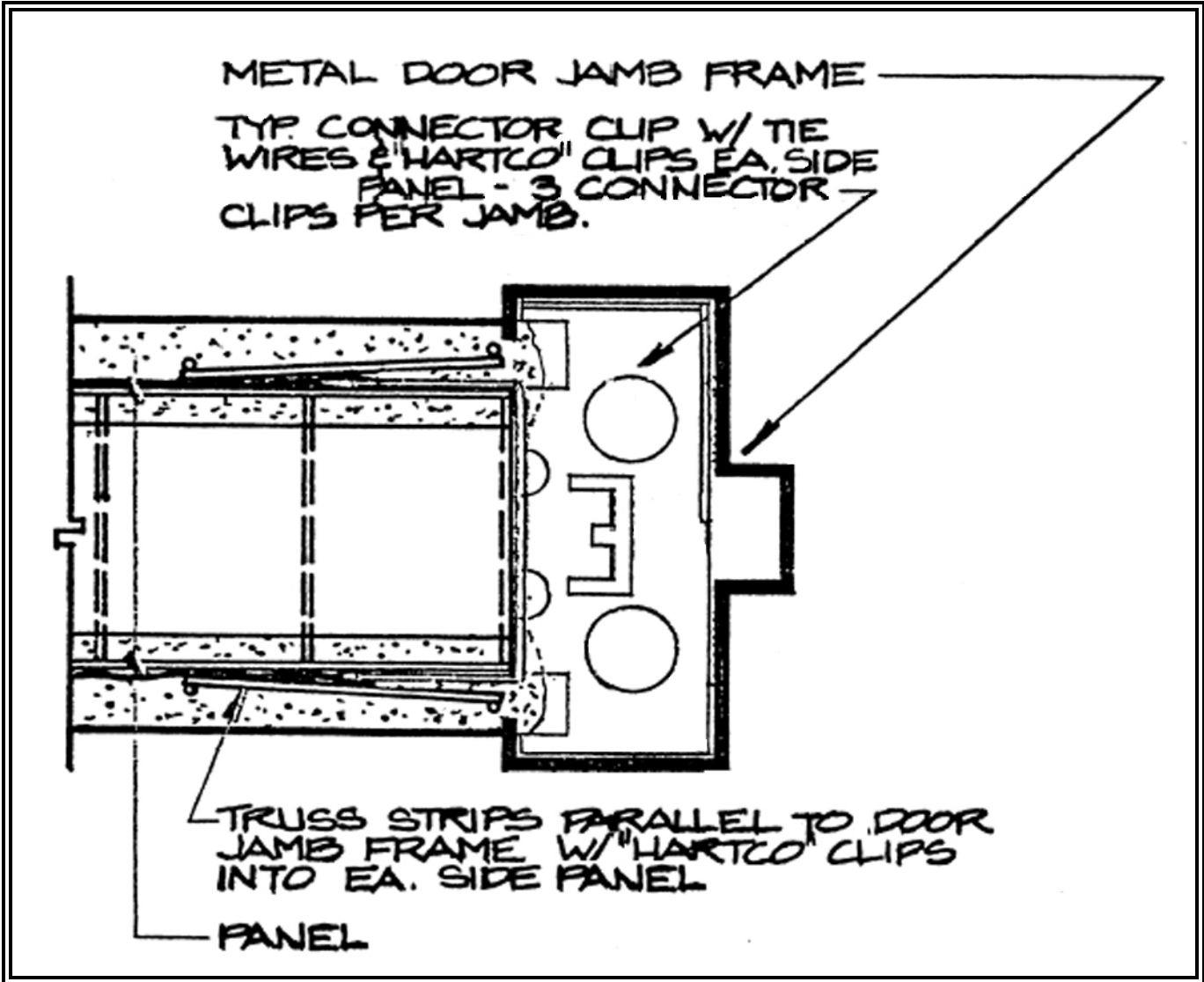
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Typ. Door Head

22

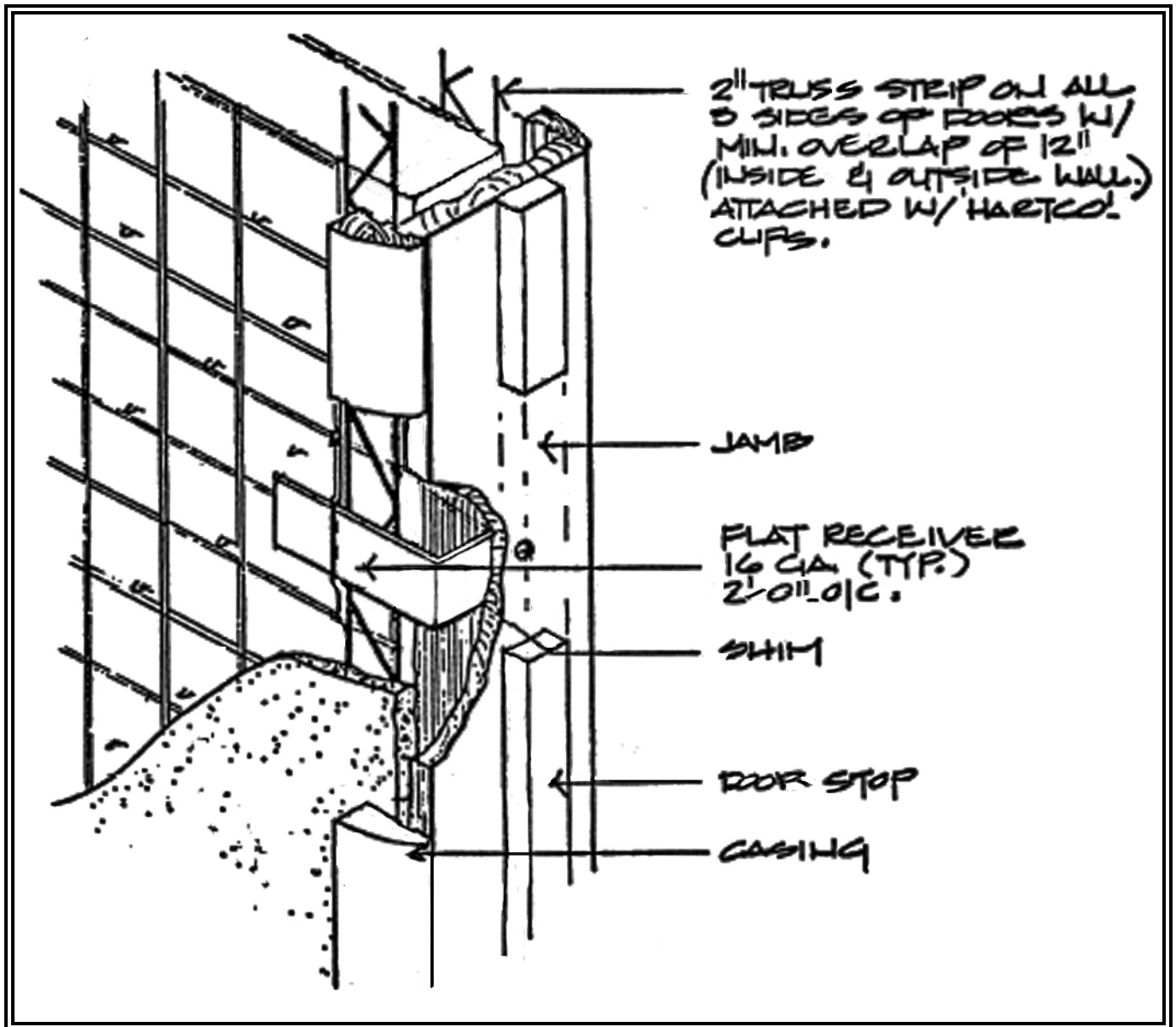
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Typ. Door Jamb

23

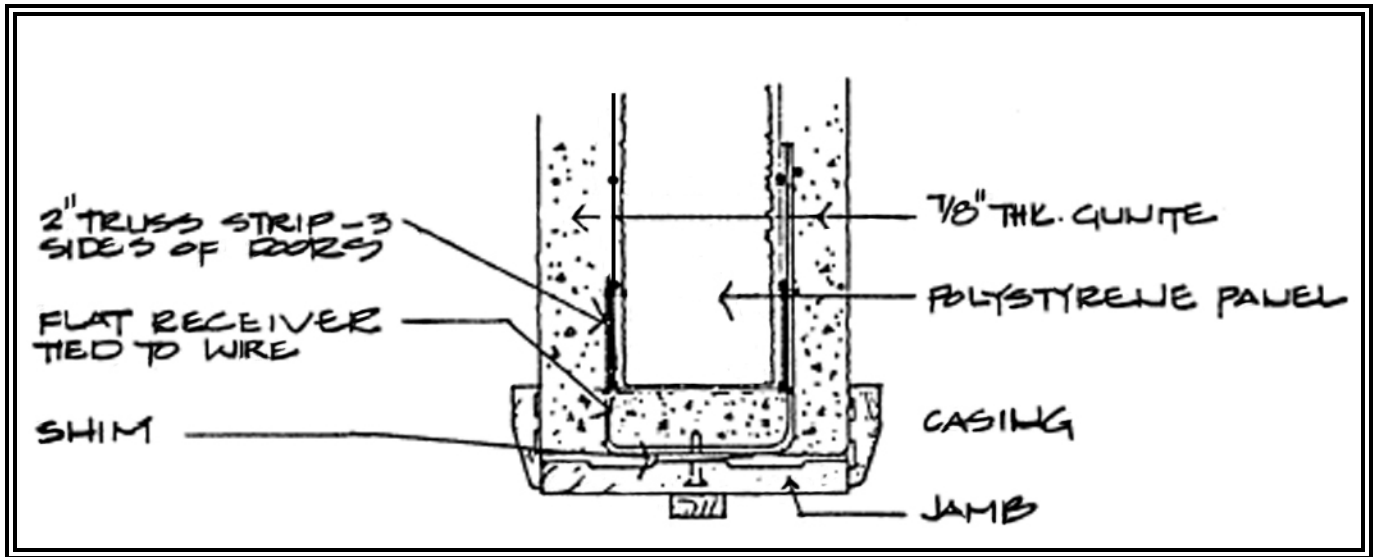
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Wood Door Jamb to Panel

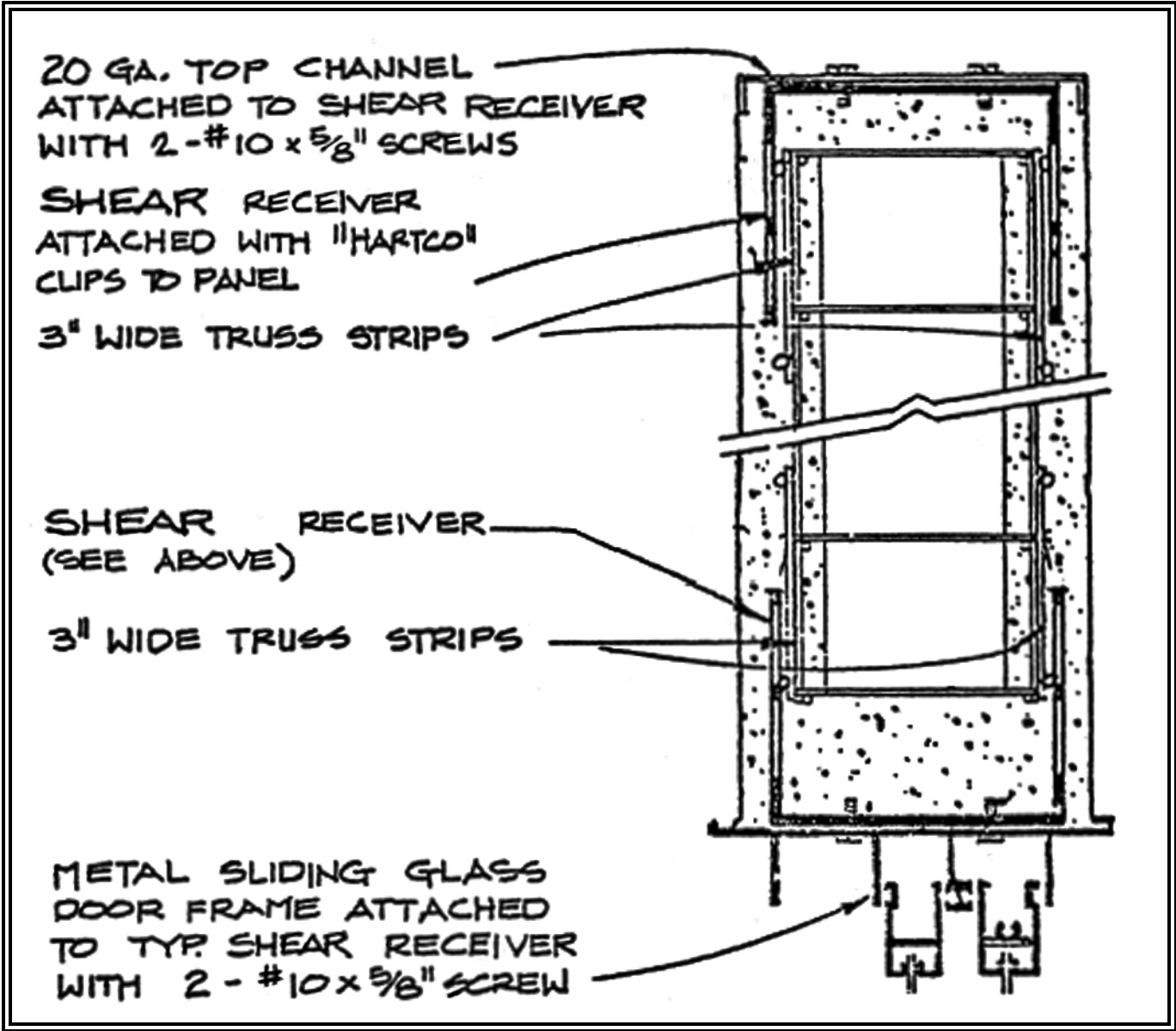
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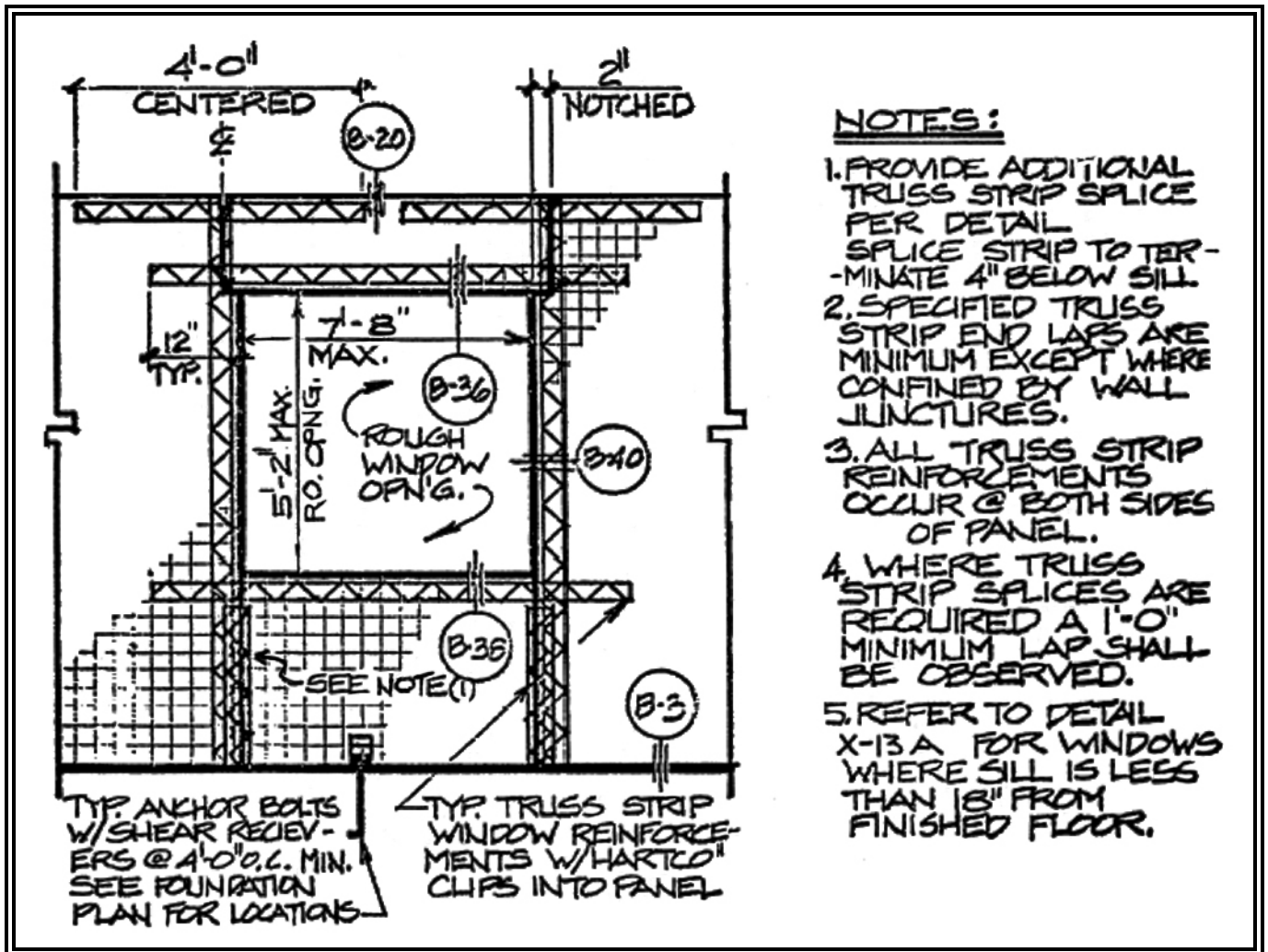


Wood Door Header to Panel

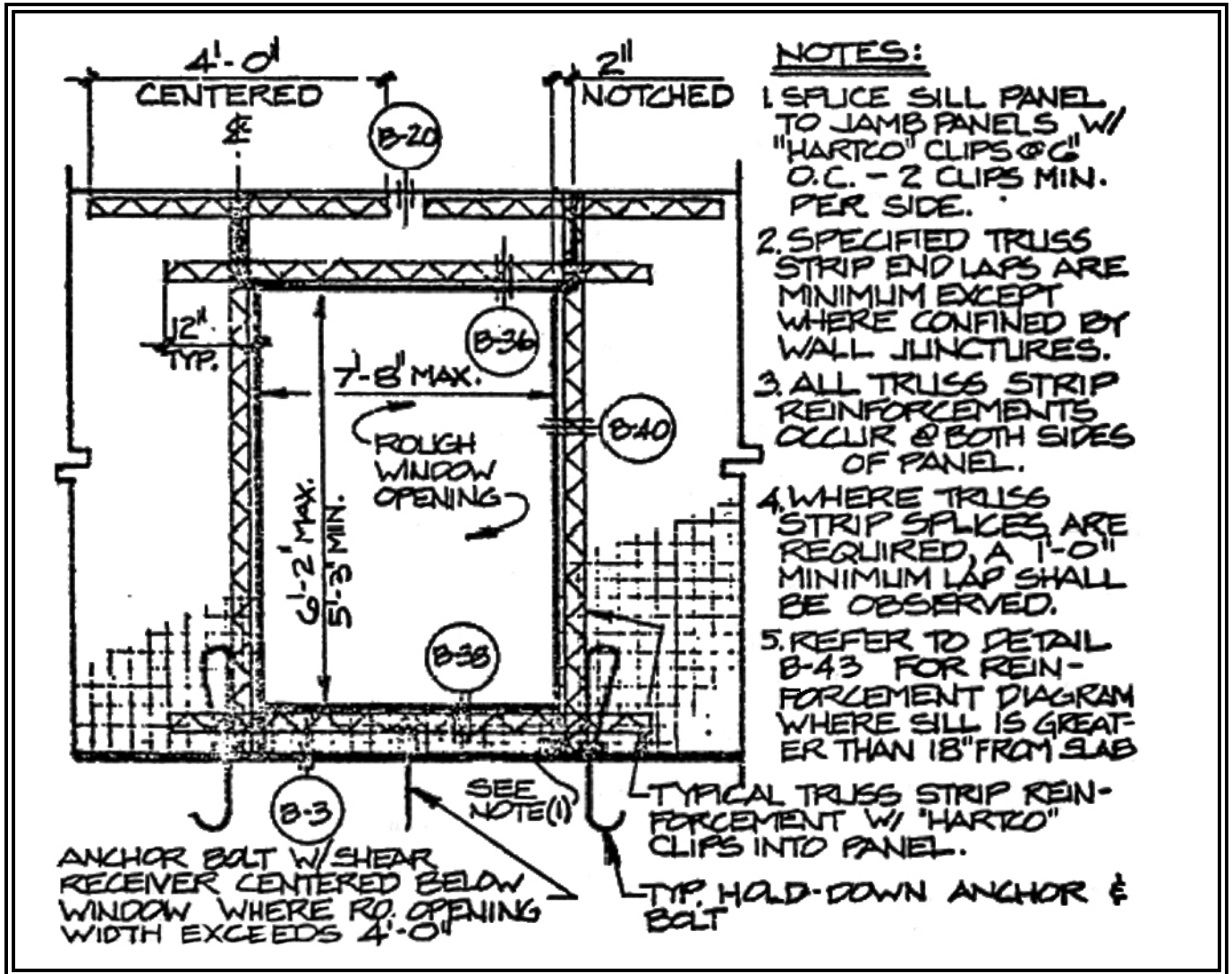
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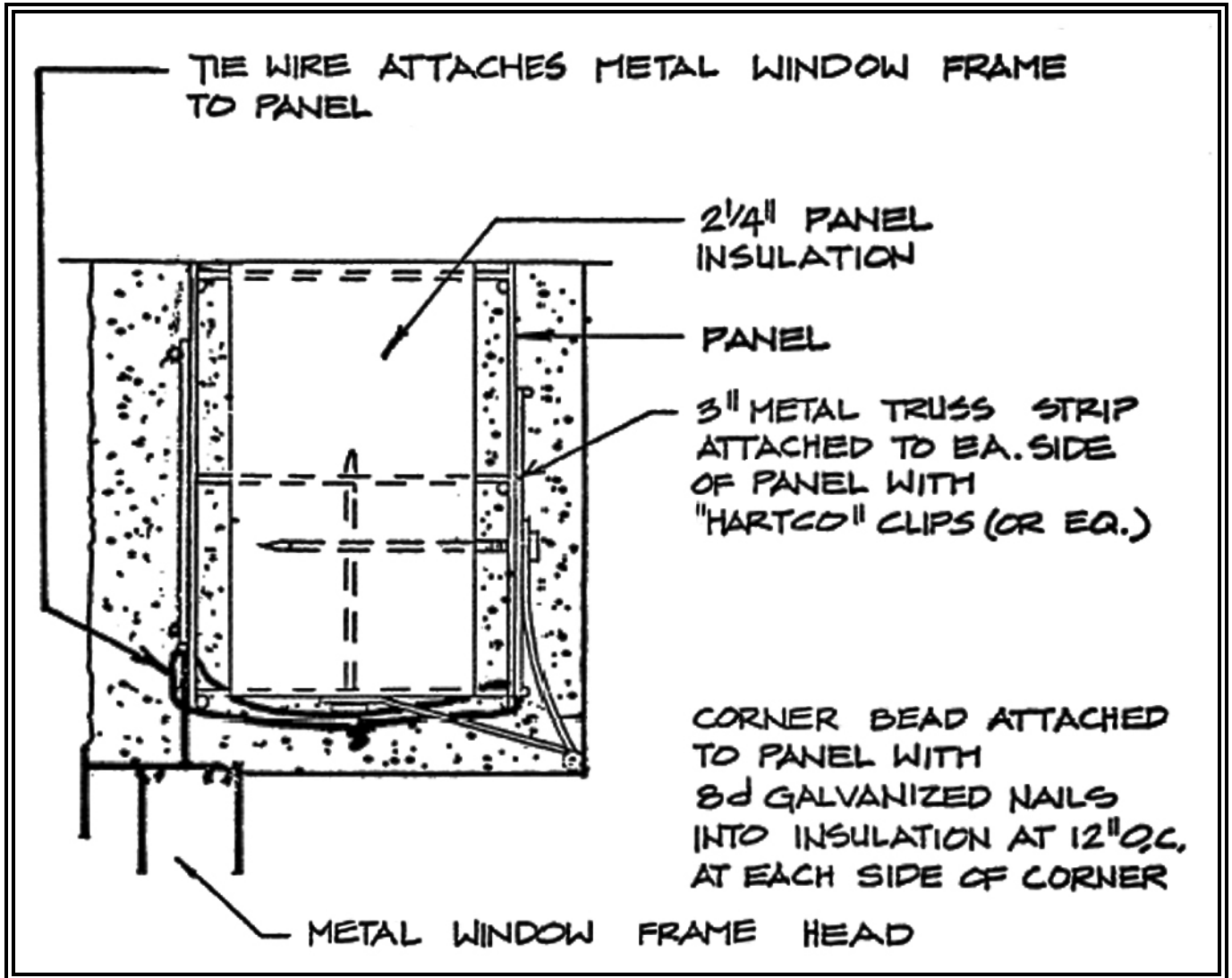
Sliding Glass Door Head



Typ. Window Opening Reinforcement

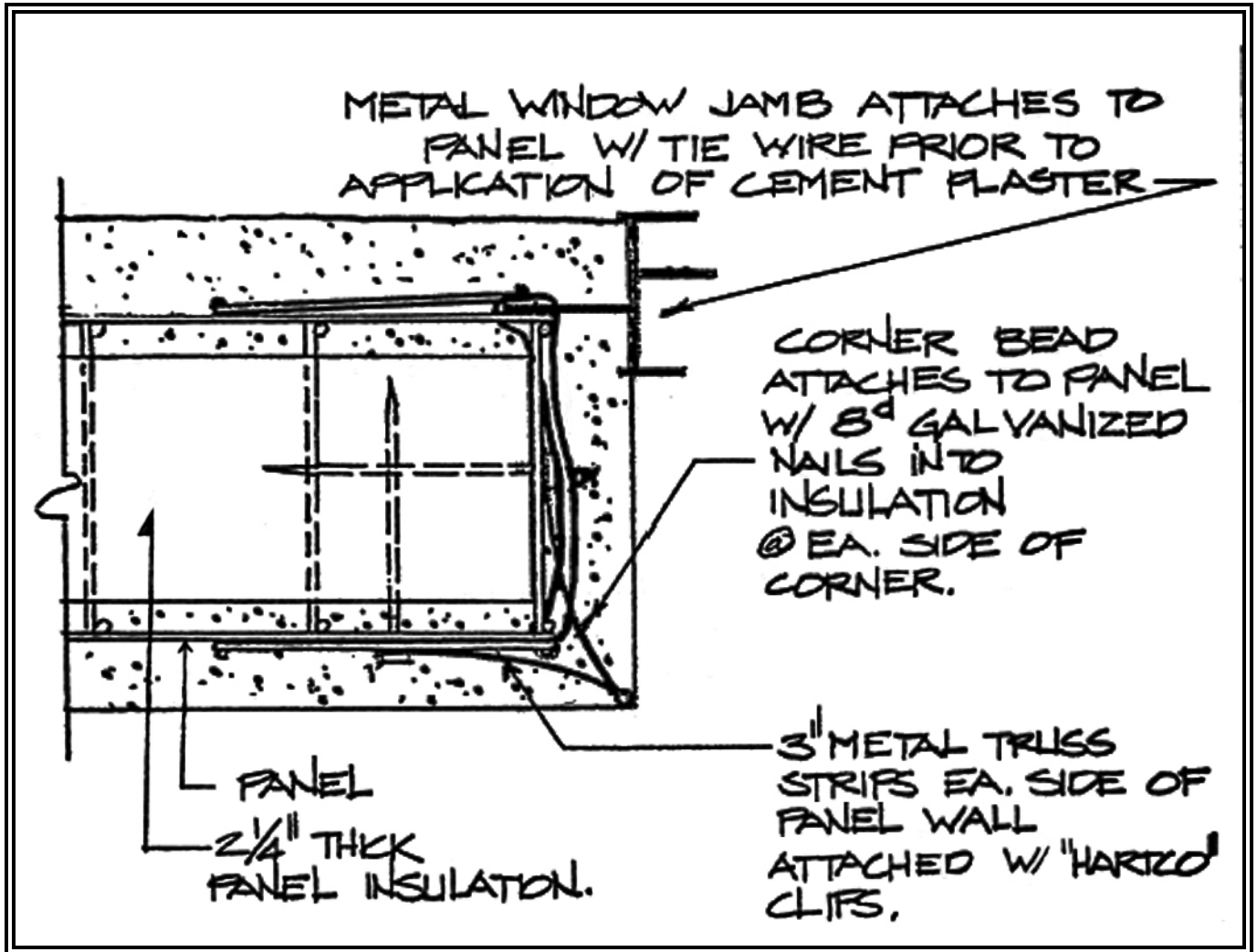


Special Window Opening Reinforcement



TYP. METAL WINDOW HEAD

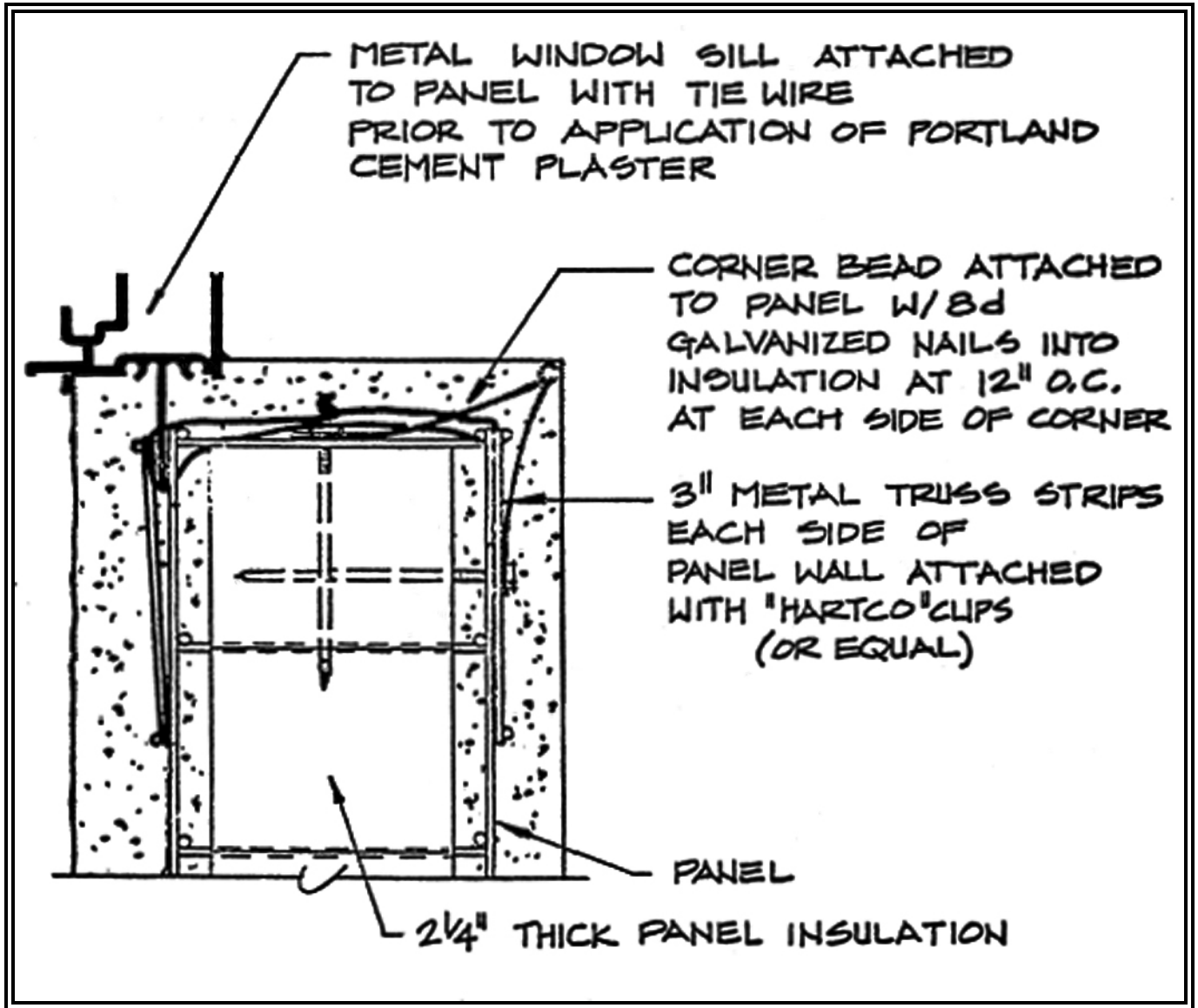
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TYP. METAL WINDOW
JAMB

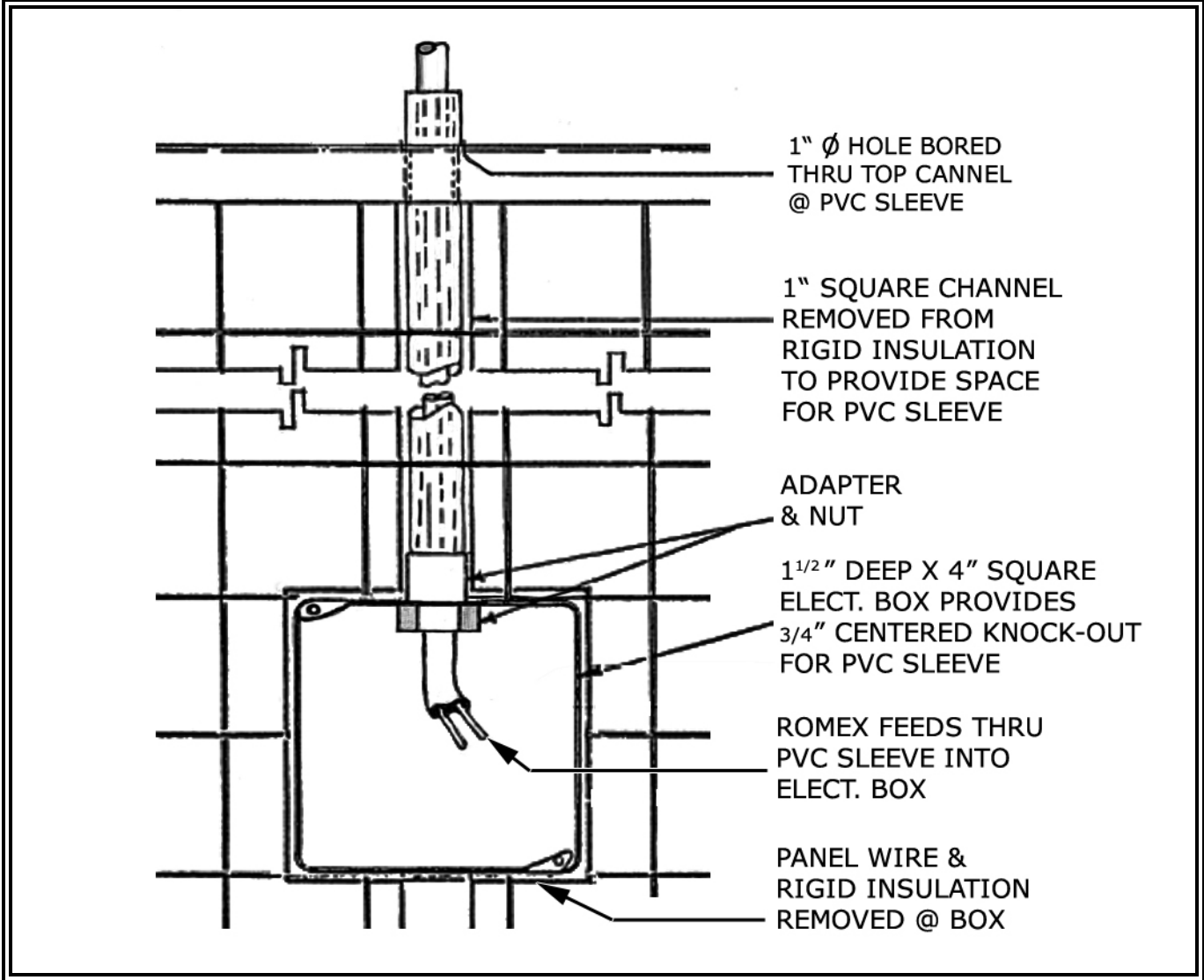
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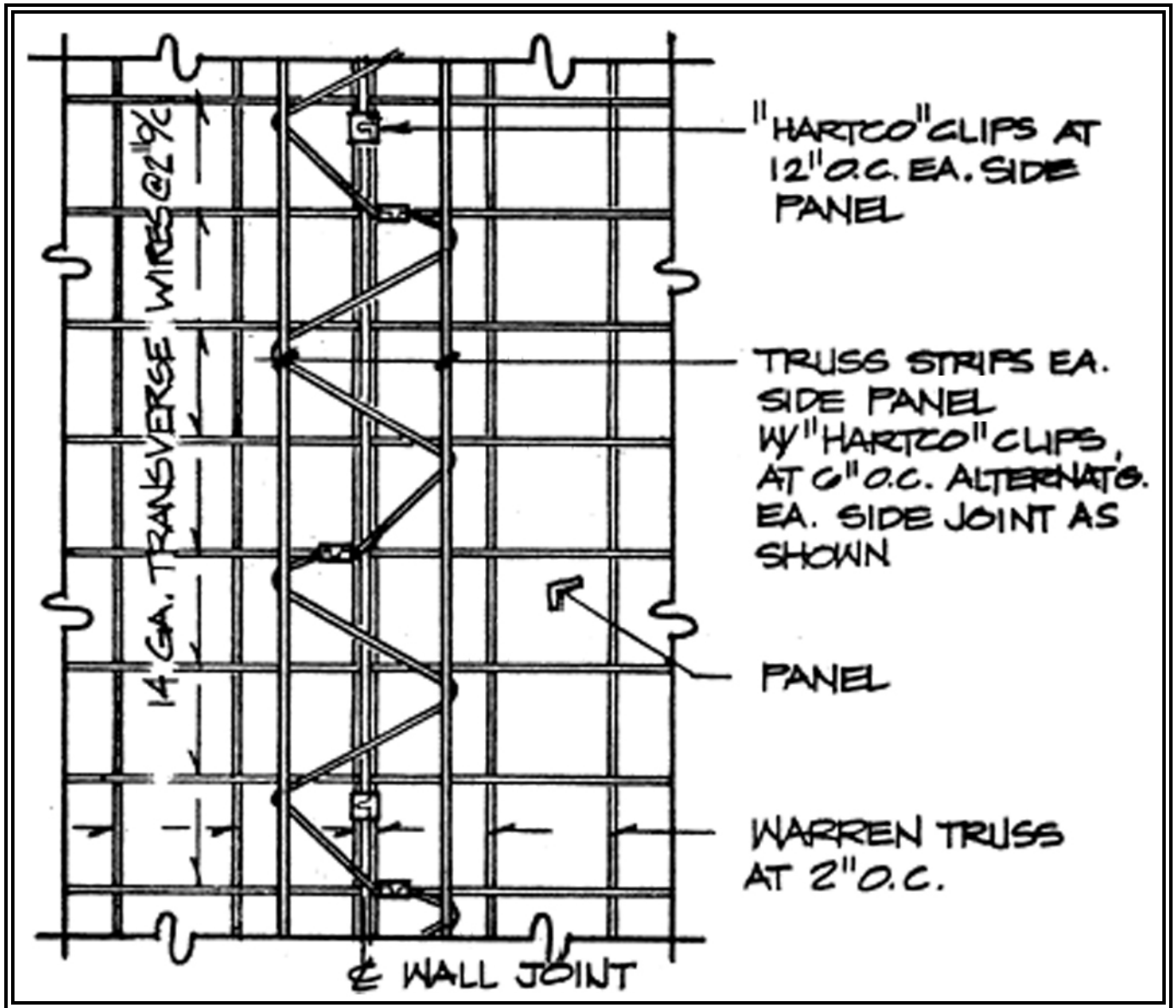
TYP. METAL WINDOW SILL

31



ELECTRICAL BOX @
PANEL

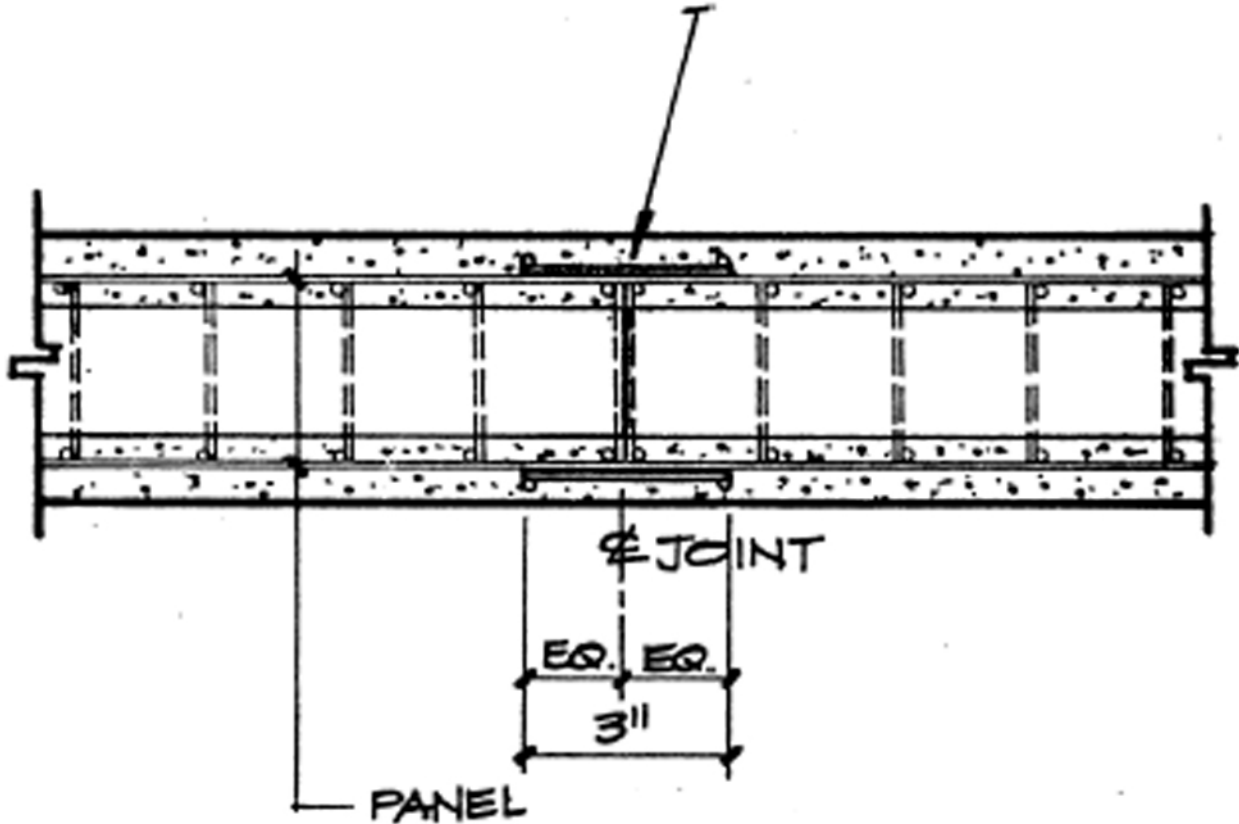
32



TRUSS STRIP CONNECTION @
VERTICAL WALL JOINT

33

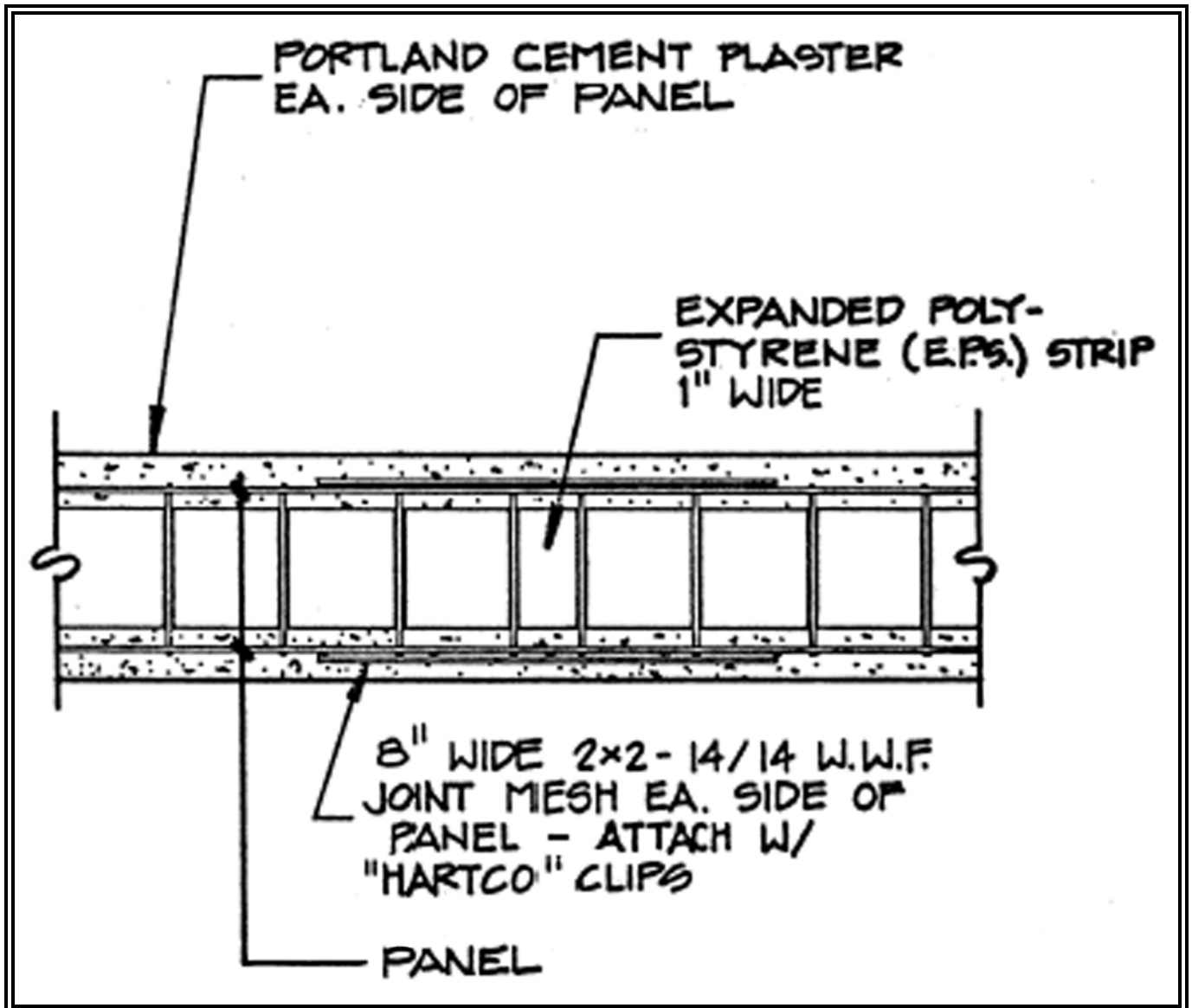
TRUSS STRIP EA. SIDE PANEL
W/ "HARTCO" CLIPS INTO TRANSVERSE
WIRES. SEE TRUSS STRIP CONNECTION
DETAIL FOR CLIPPING DIAGRAM



VERTICAL WALL JOINT

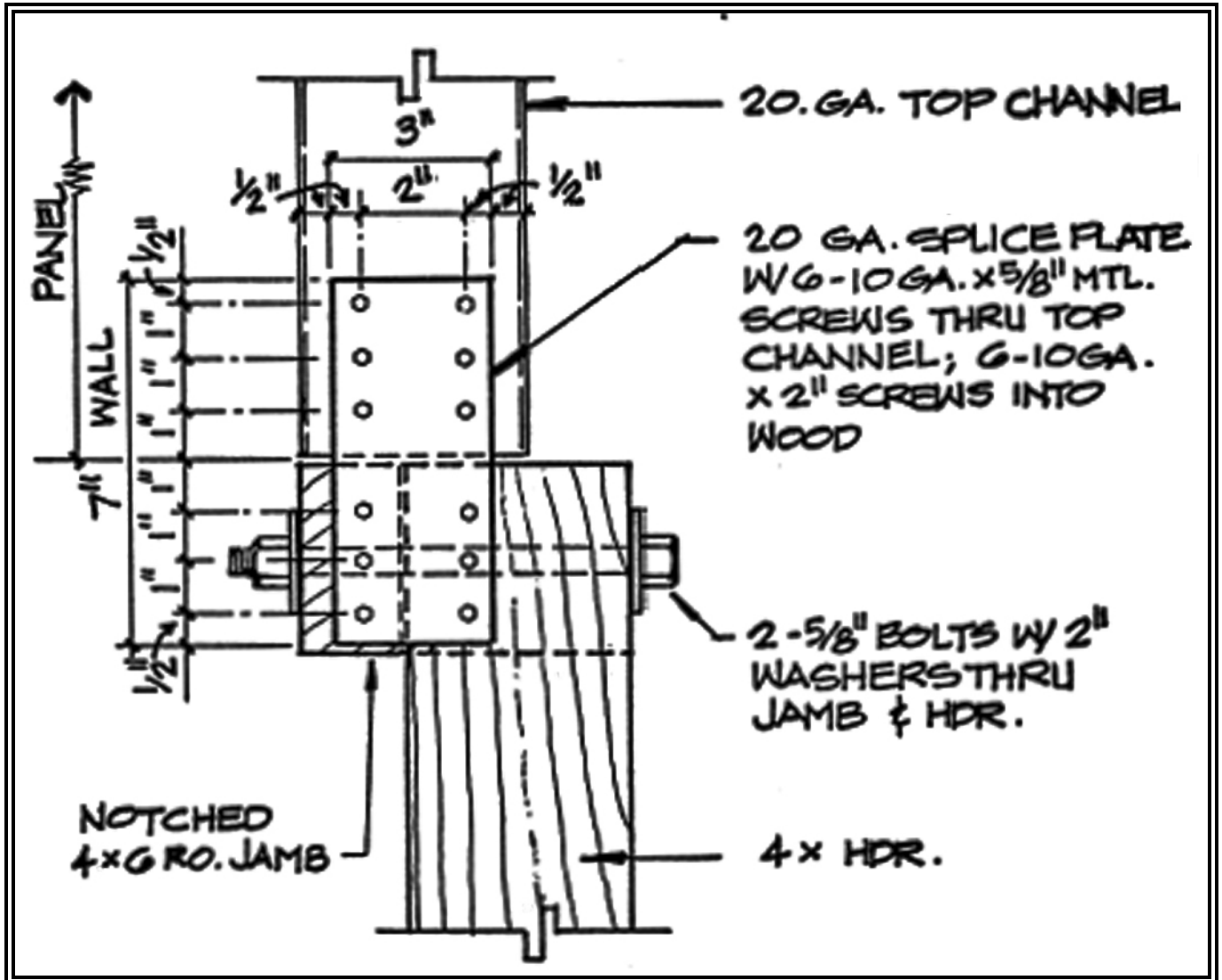
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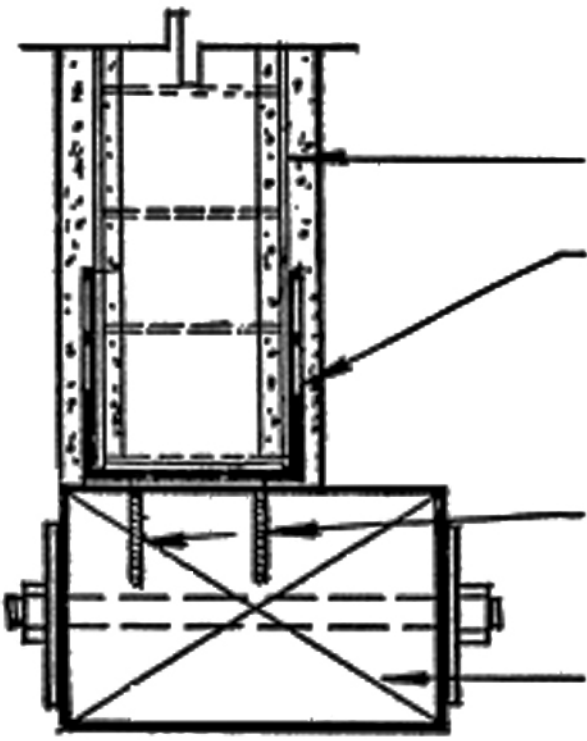
ALTERNATE VERTICAL
 WALL JOINT

35



TOP PLATE SPLICE TO WOOD HEADER

38



PANEL

3. SHEAR RECEIVERS
W/ HARTCO CLIPS INTO EA.
SIDE OF PANEL; 6" FROM TOP; 24" FROM CURB; AND AT MIDPOINT.

2- 10 GA. x 2" WD. SCREWS AT EA. SHEAR RECEIVER

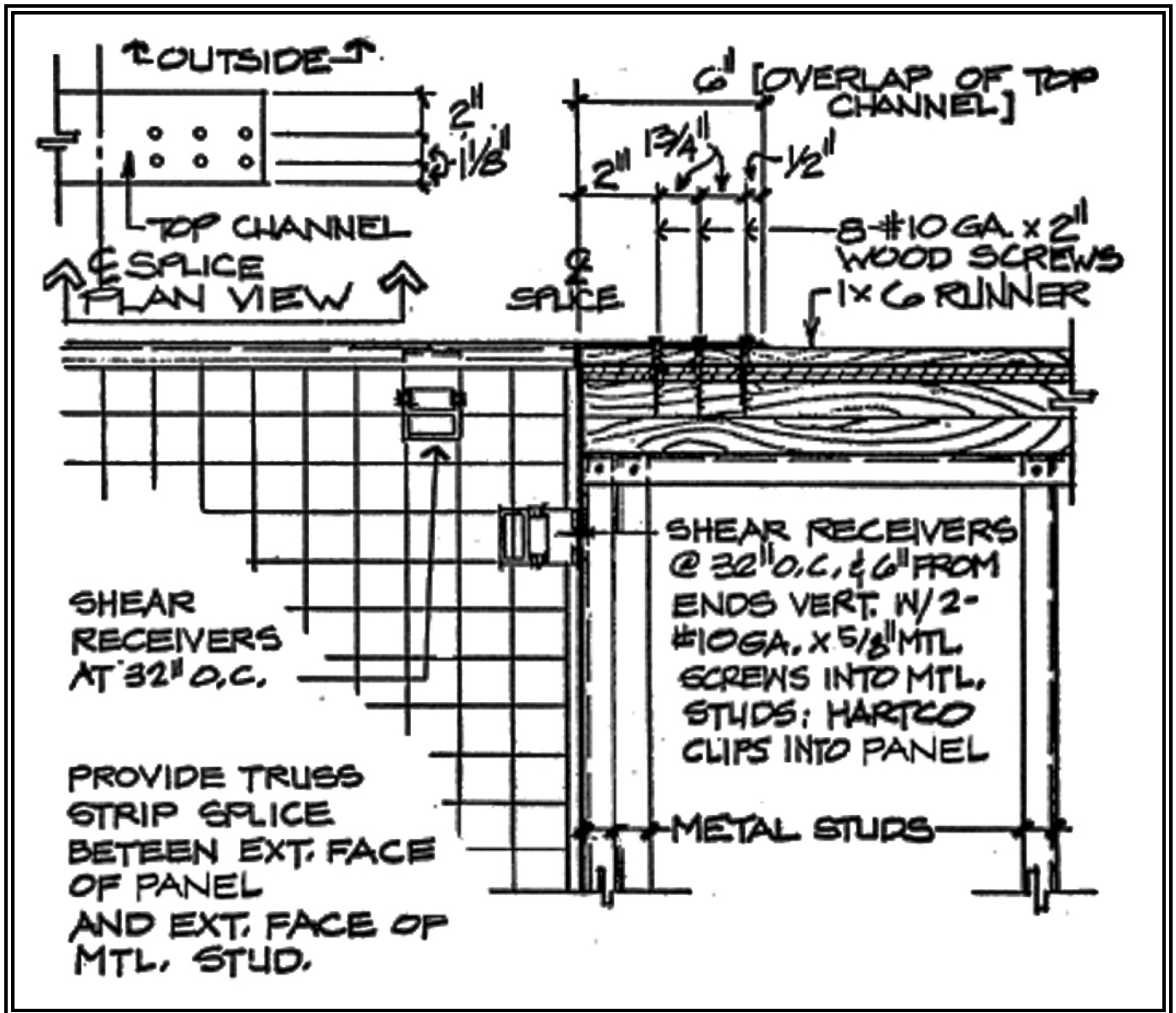
4x6 D.F. KILN DRIED RO. JAMB W POST ANCHOR



PANEL TO WOOD JAMB OR POST

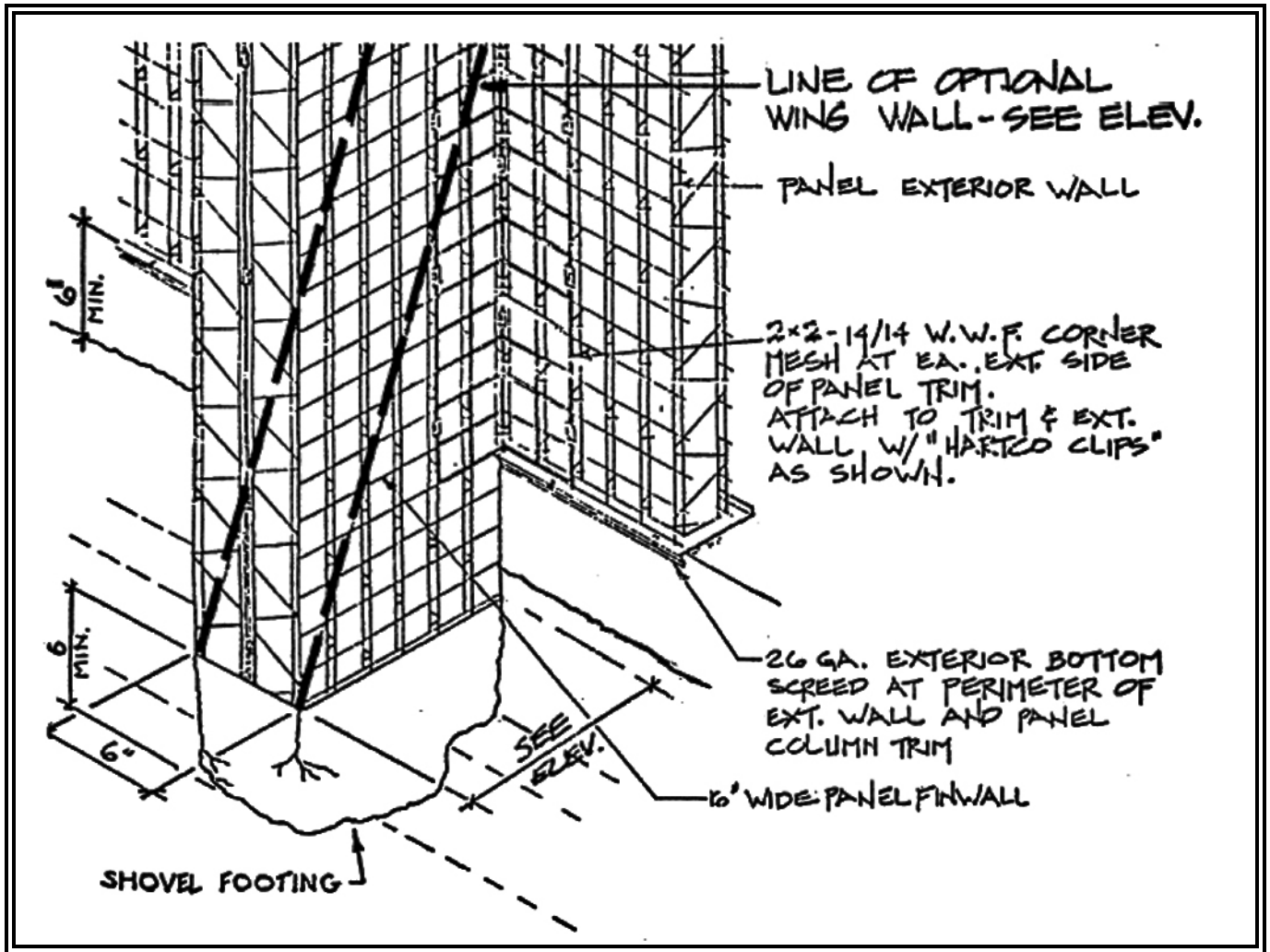
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CONNECTION OF METAL STUDS AND PANEL

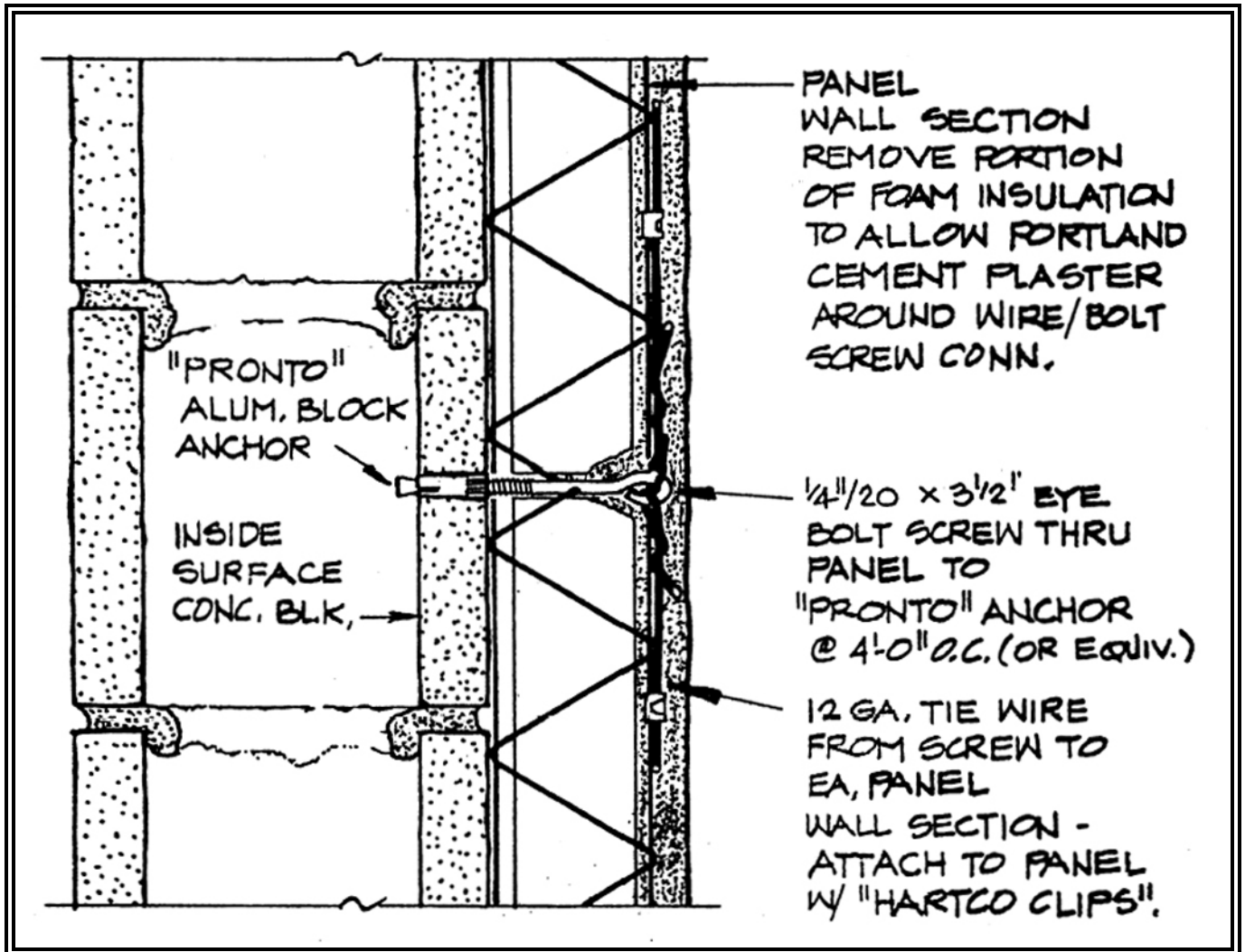
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PANEL FINWALL
(6" WIDE)

42

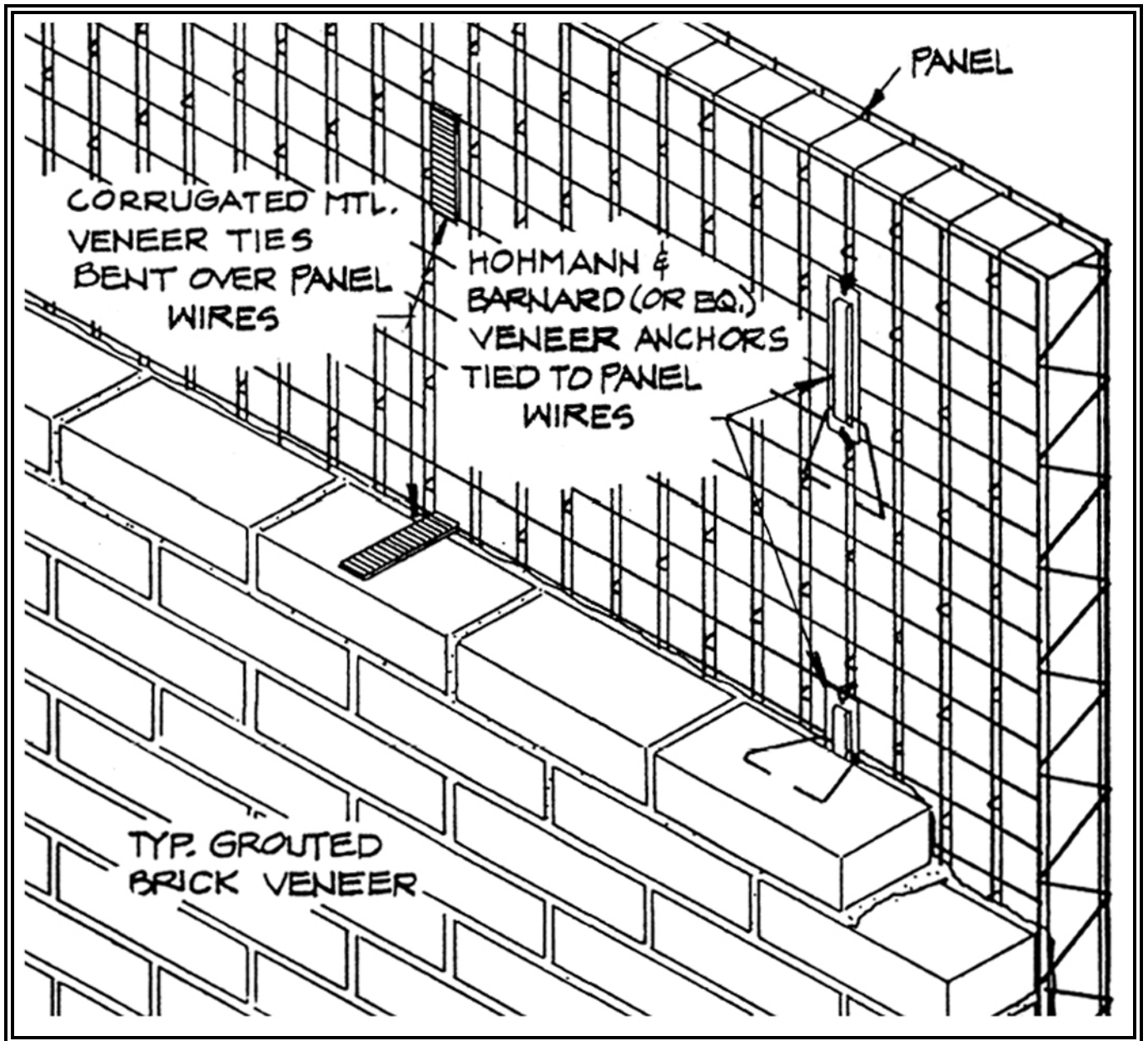
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PANEL AGAINST HOLLOW
CONCRETE BLOCK WALL

43

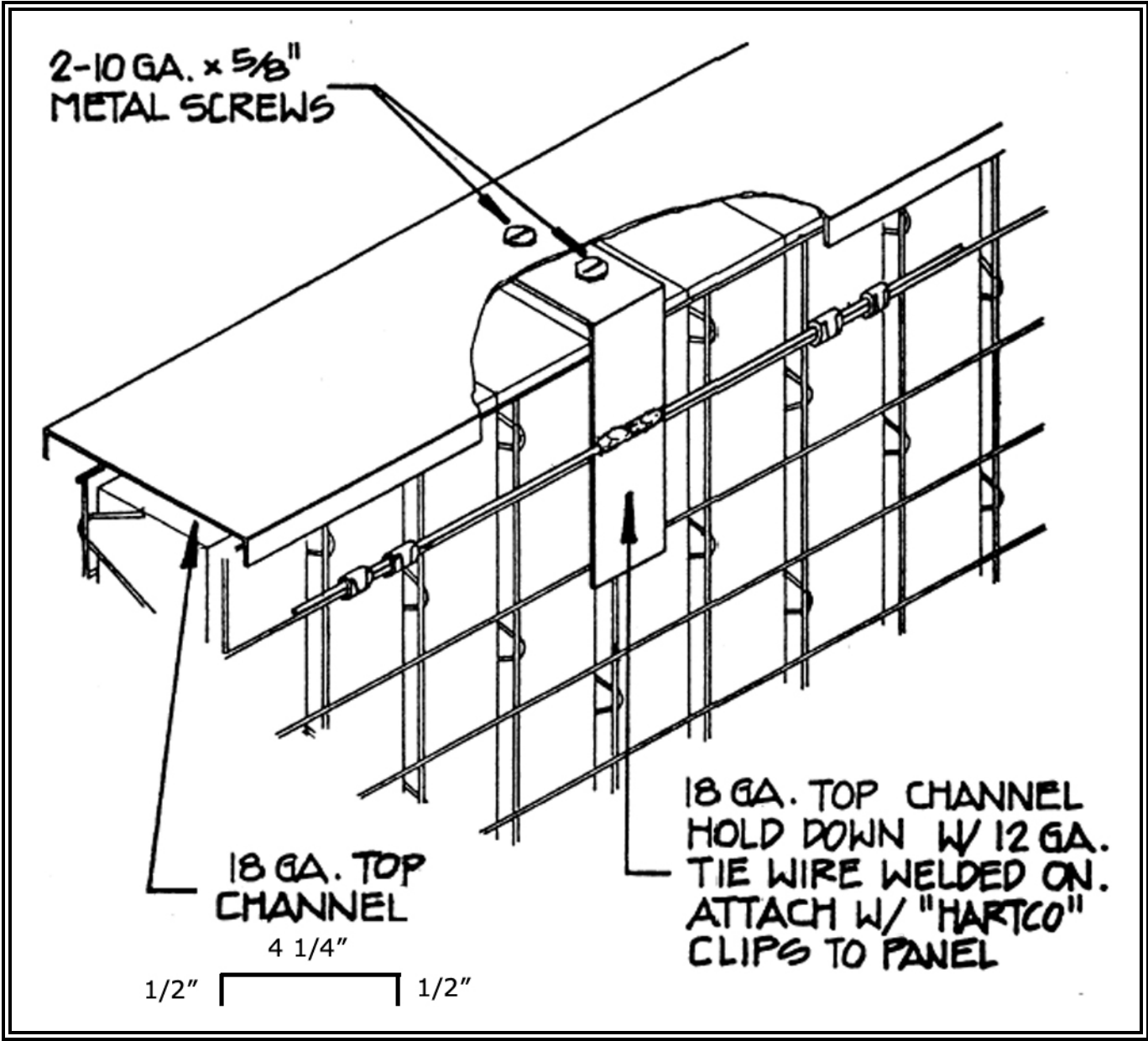
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BRICK VENEER CONNECTION
 TO PANEL WALL

45

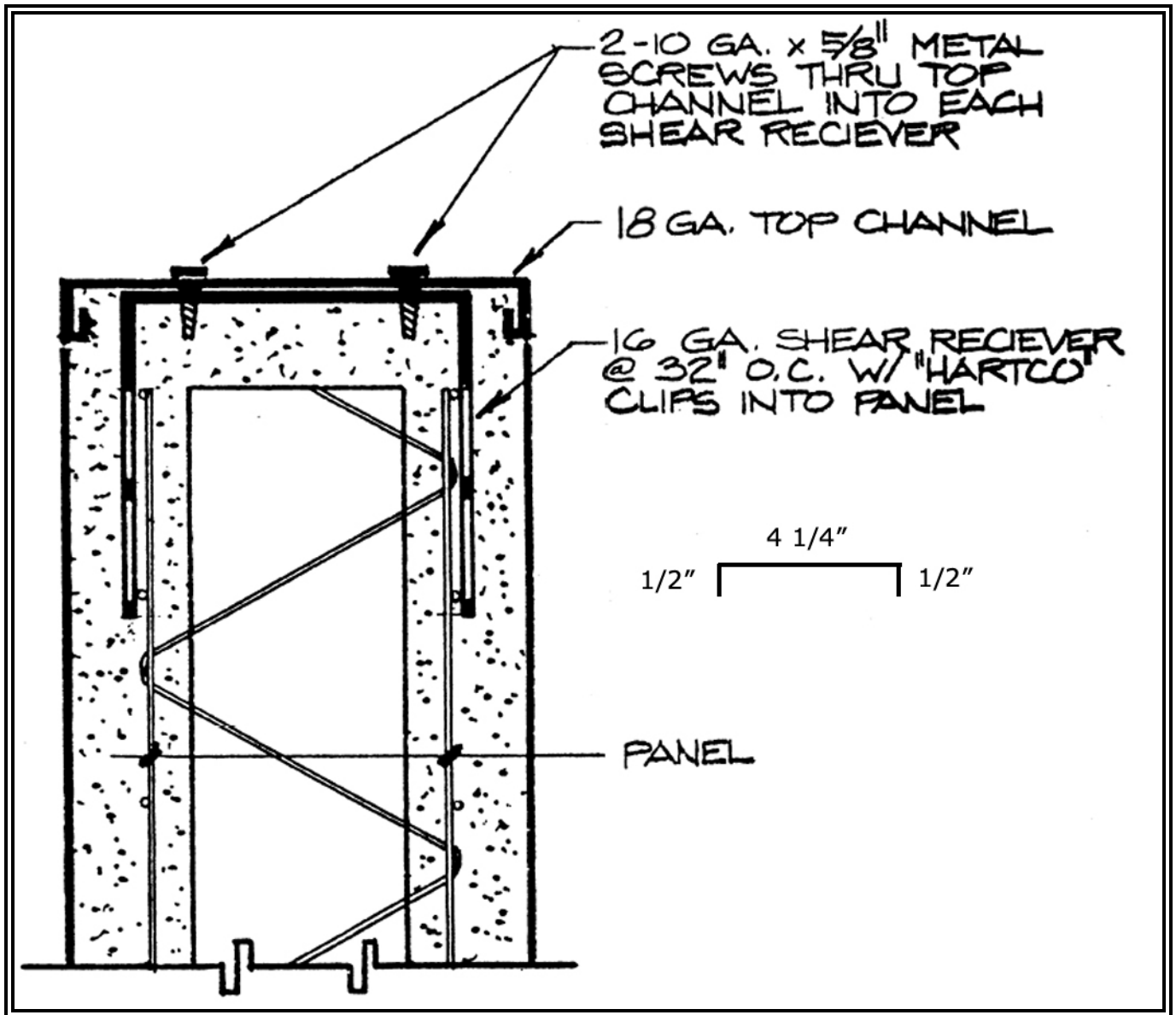
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ALTERNATE TO TOP
CHANNEL SHEAR RECEIVER

47

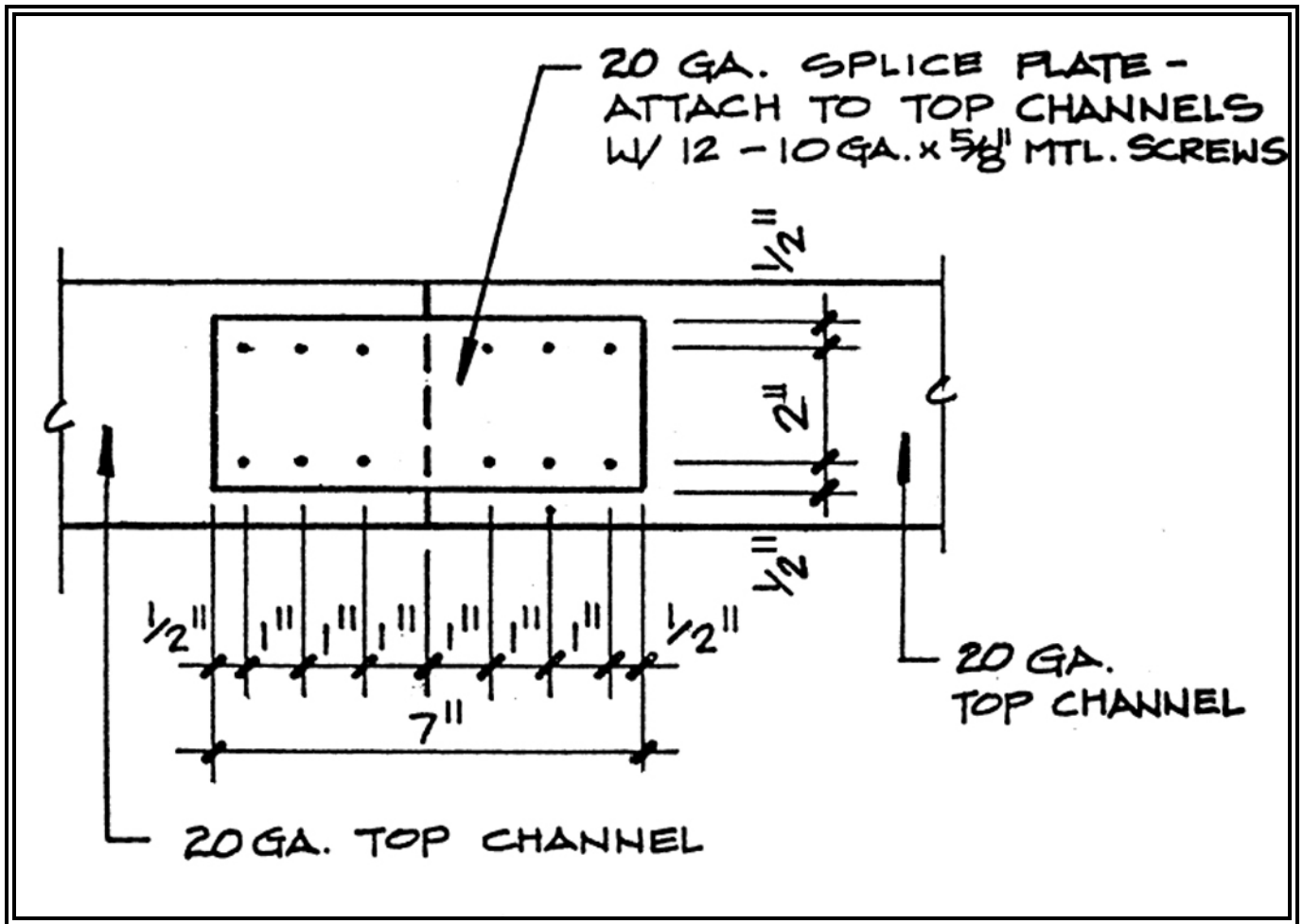
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TOP CHANNEL

48

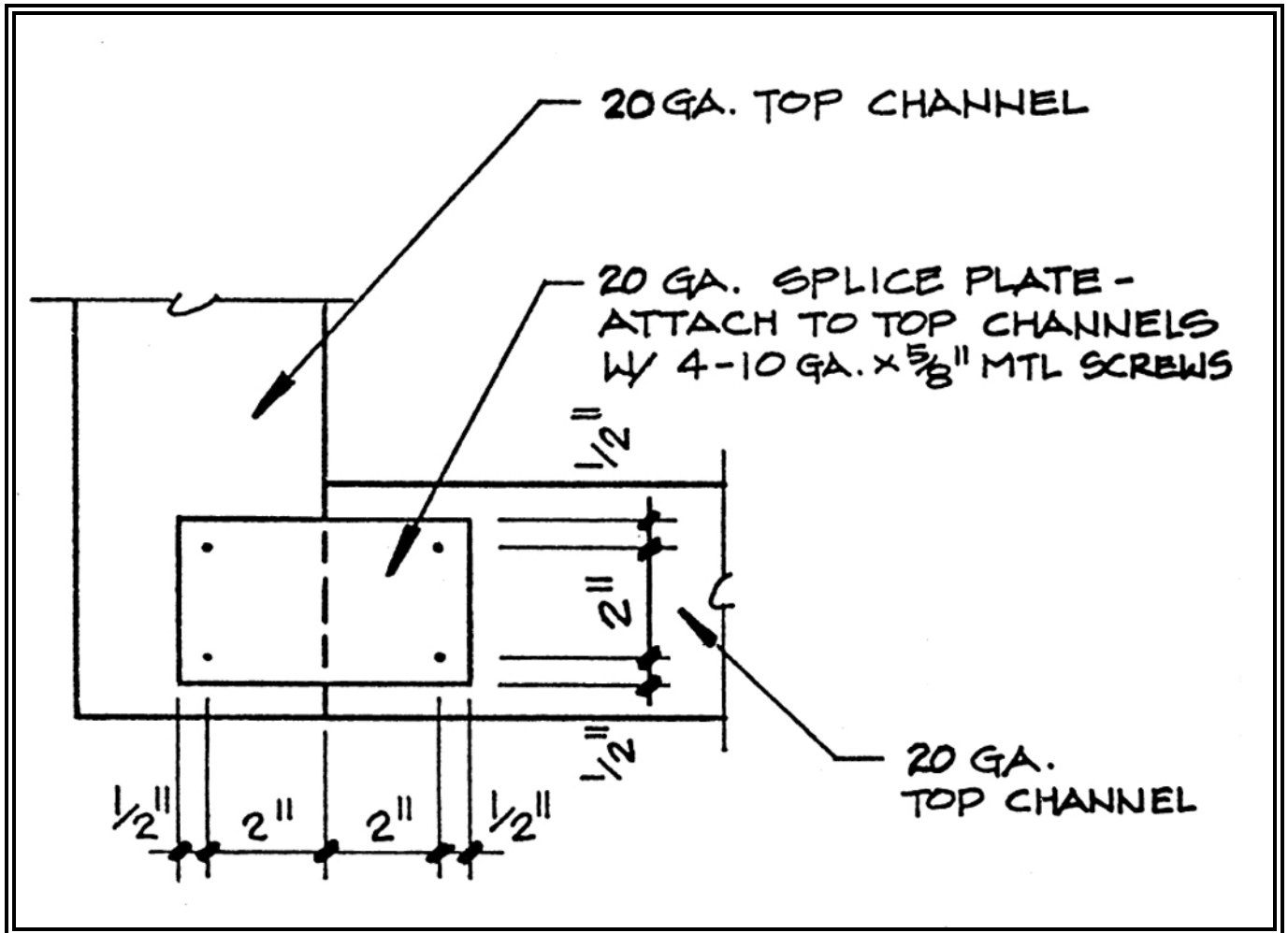
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TYPICAL TOP
CHANNEL SPLICE

49

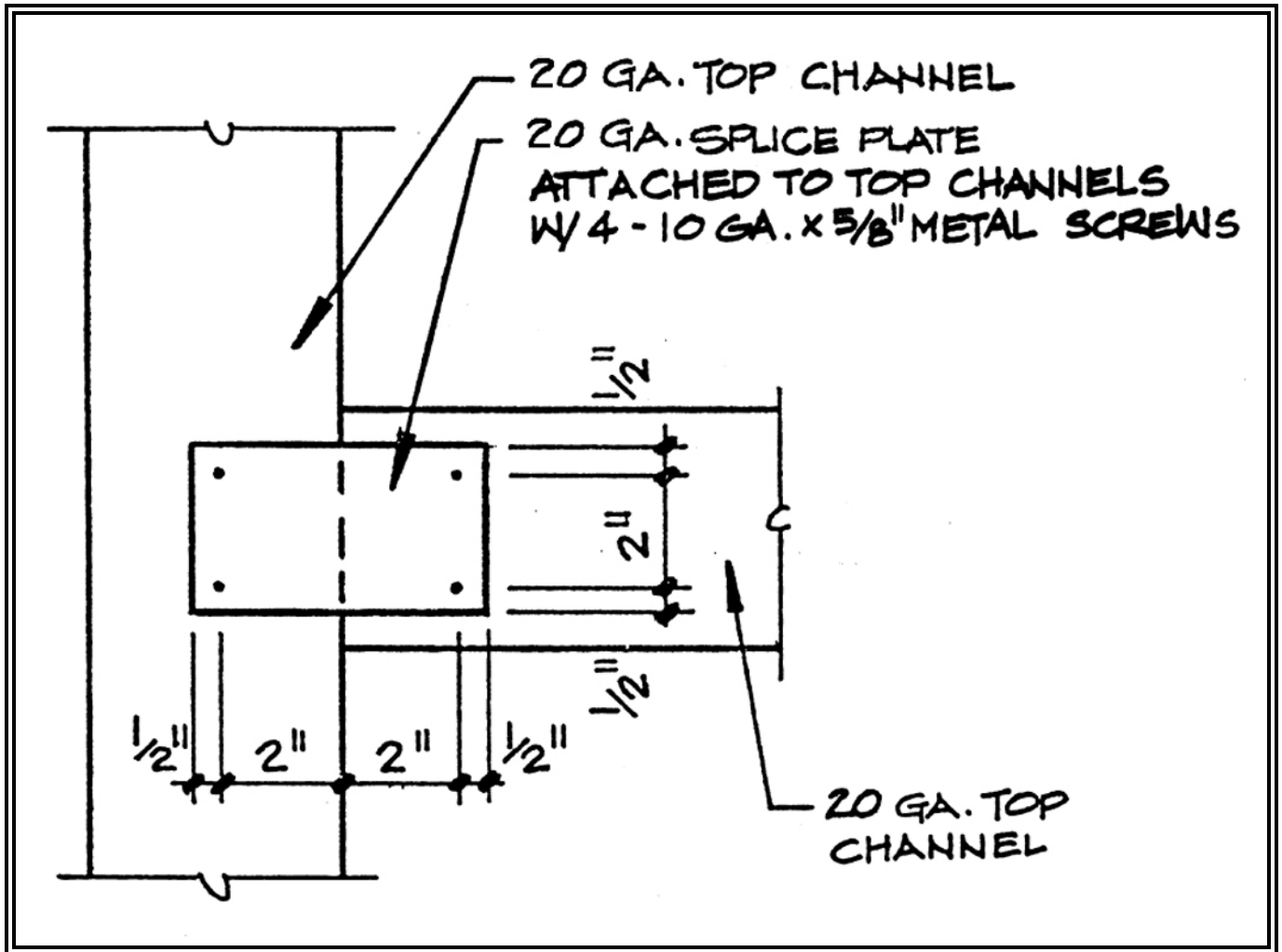
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TYPICAL TOP CHANNEL
INTERSECTION AT CORNERS

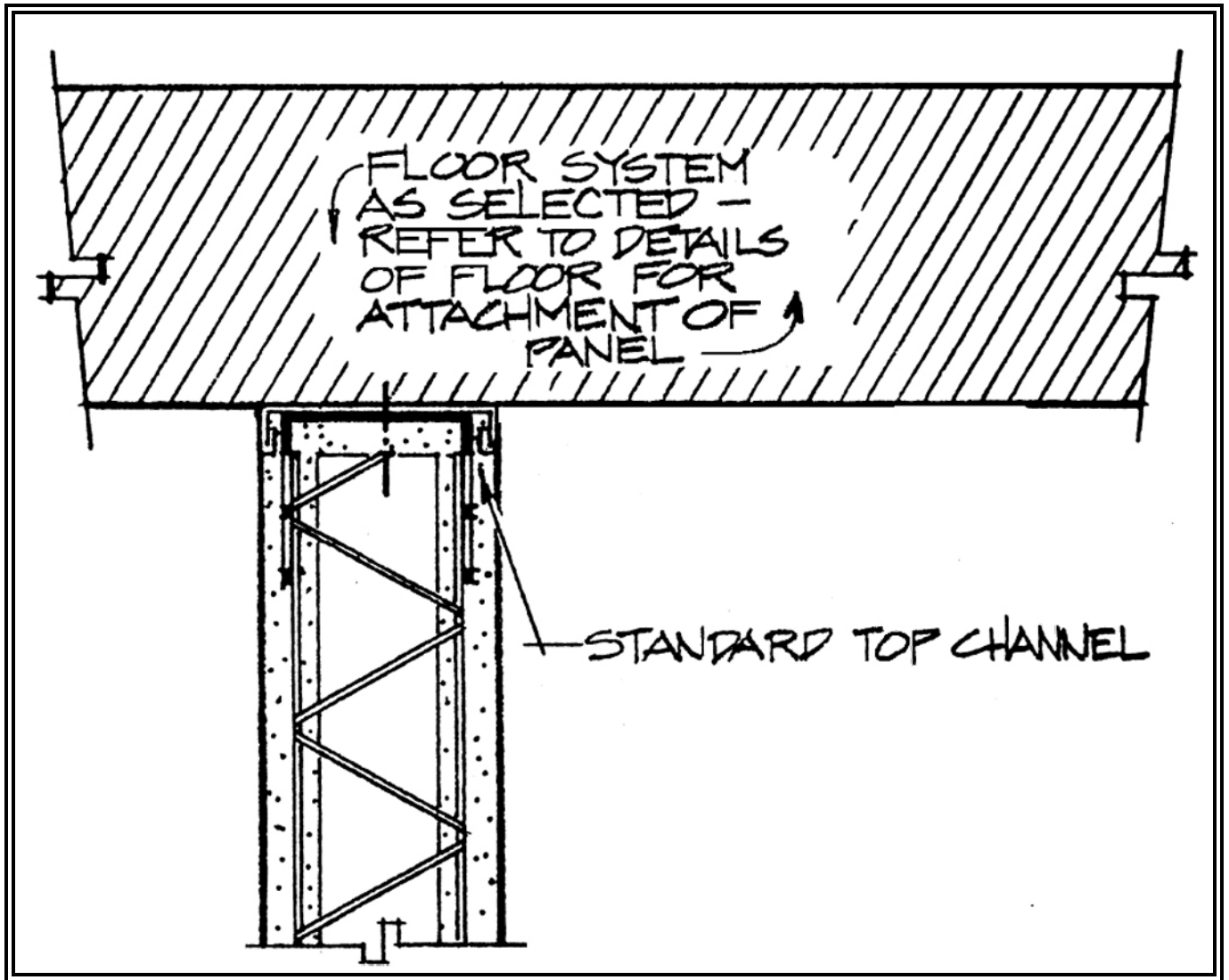
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TYPICAL TOP CHANNEL
 INTERSECTION

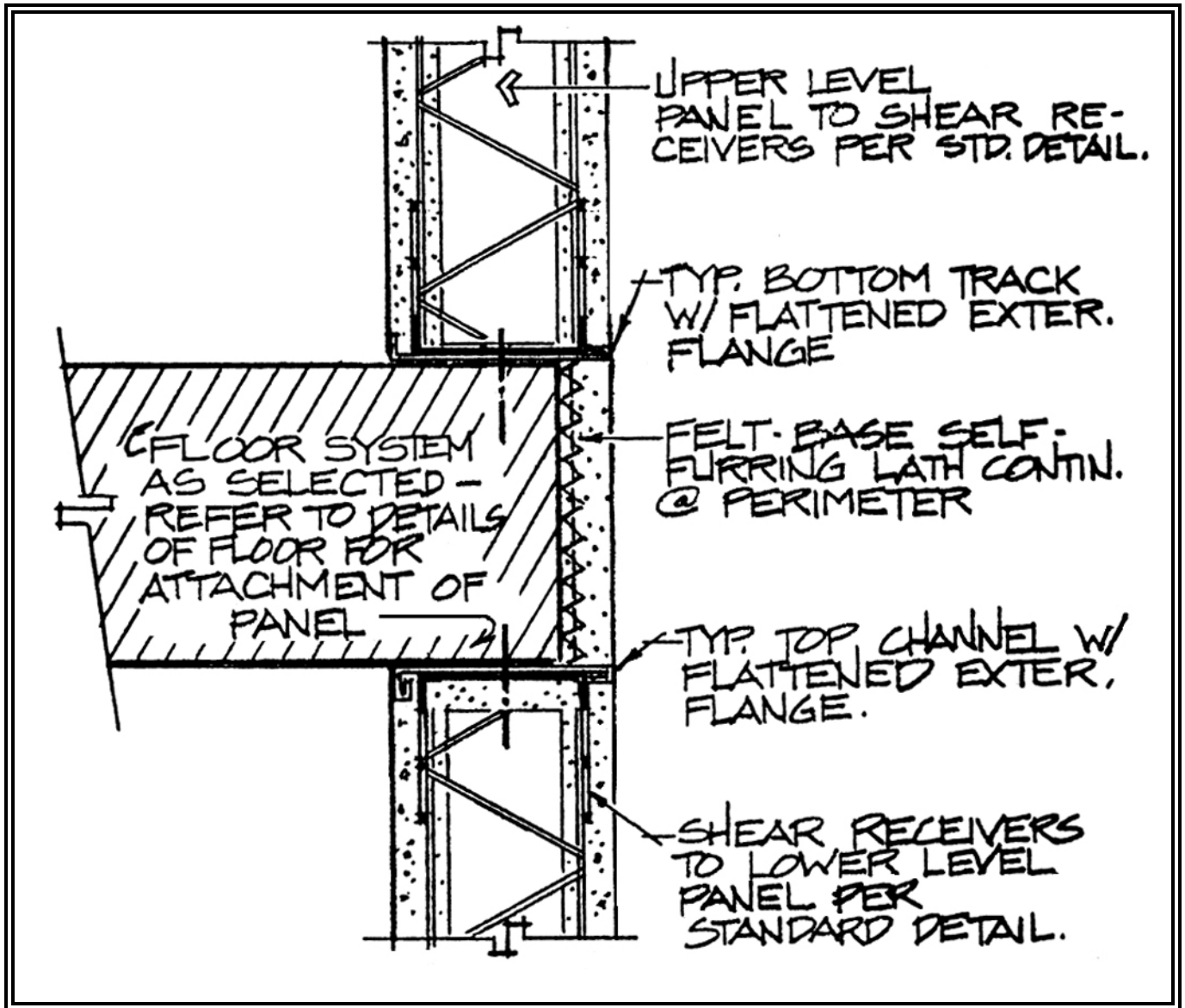
51



INTERIOR BEARING WALL
TO FLOOR SYSTEM ABOVE

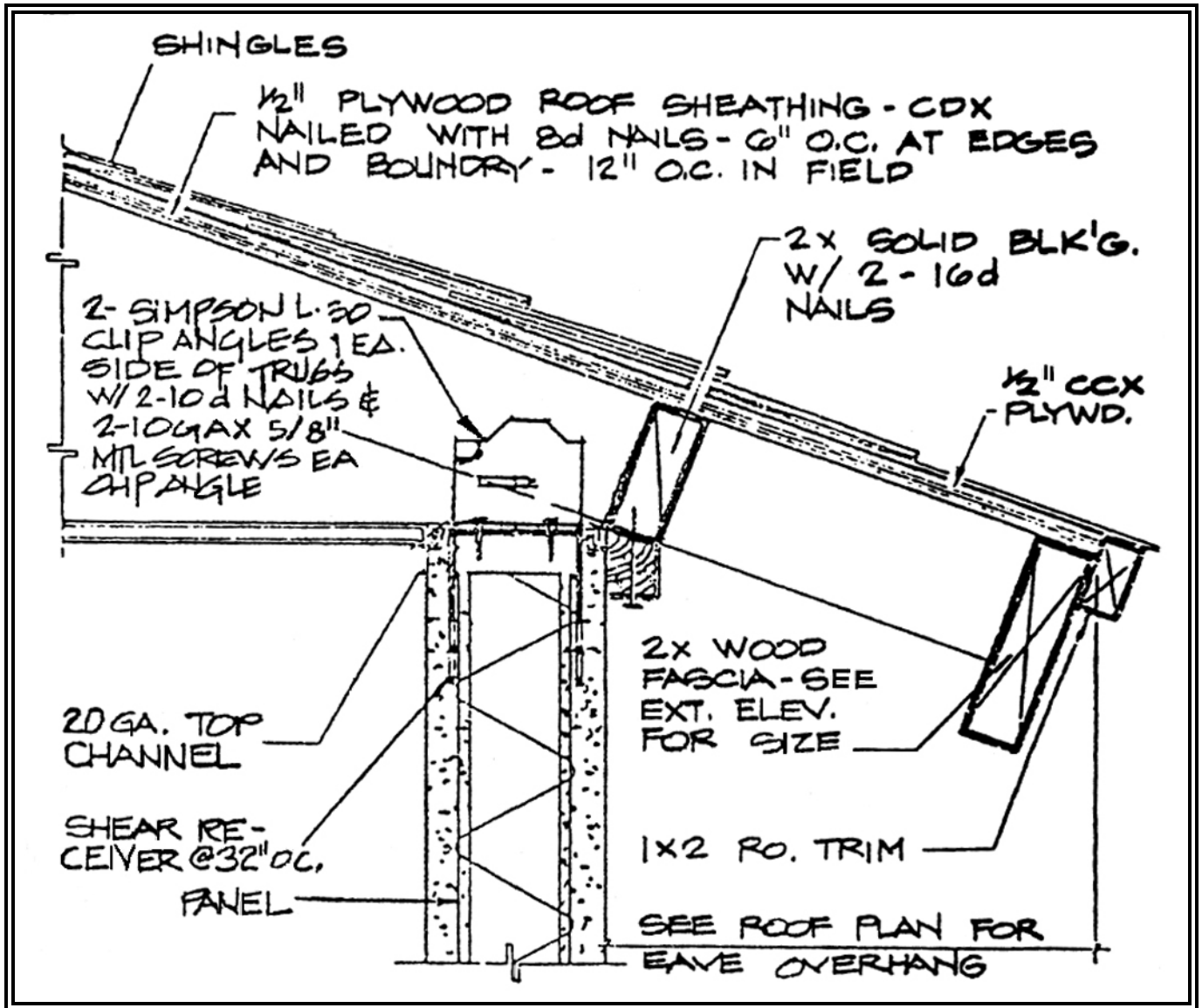
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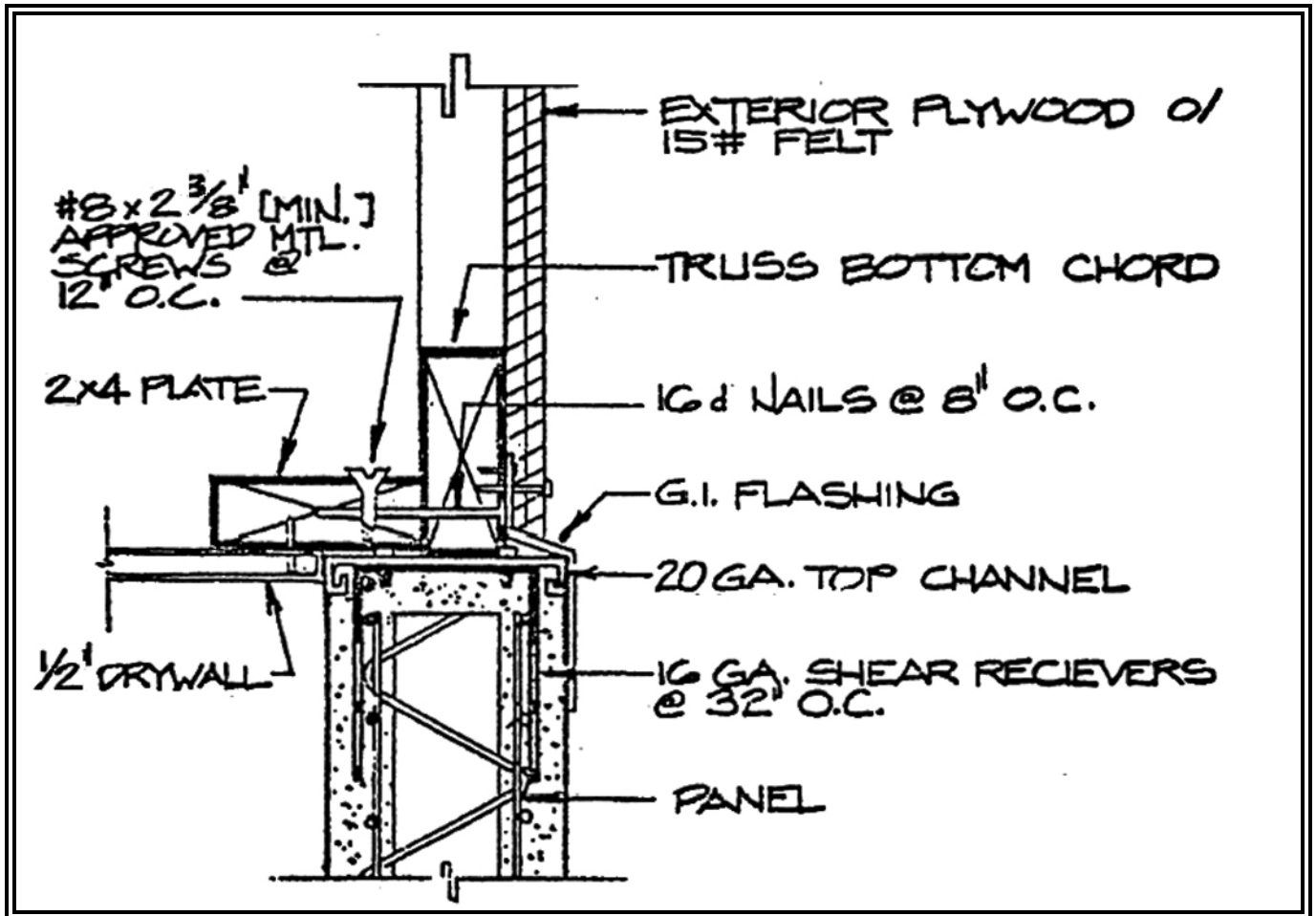
TYPICAL 2 STORY
PERIMETER

54



ROOF TRUSS & TOP CHANNEL CONNECTION

55



TRUSS PARALLEL
TO PANEL

56

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ATTACH 120° PVC ELBOW W/4" OUTLET TO PVC ELECTRICAL RACEWAY WHERE OCCURS. REMOVE I.P. INSULATION AS REQUIRED

LIGHT GAUGE 'C' CHANNEL WALL BRACING @ 48" O.C. TO MTL. TRUSS TOP CHORD. REMOVE FLANGE & BEND WEB FOR FASTENING

MTL. 'C' CHANNEL OR STUD LEDGER W/2-#10x3/8" MTL. SCREWS INTO EA. RECEIVER

FURRING CHANNEL @ 16" O.C.

MODIFIED SHEAR RECEIVERS @ 32" O.C. W/HARTCO CLIPS INTO PANEL

GYP. PLASTER

18" JOINT MESH EA. SIDE LP.

GABLE PANELS
WALL PANELS

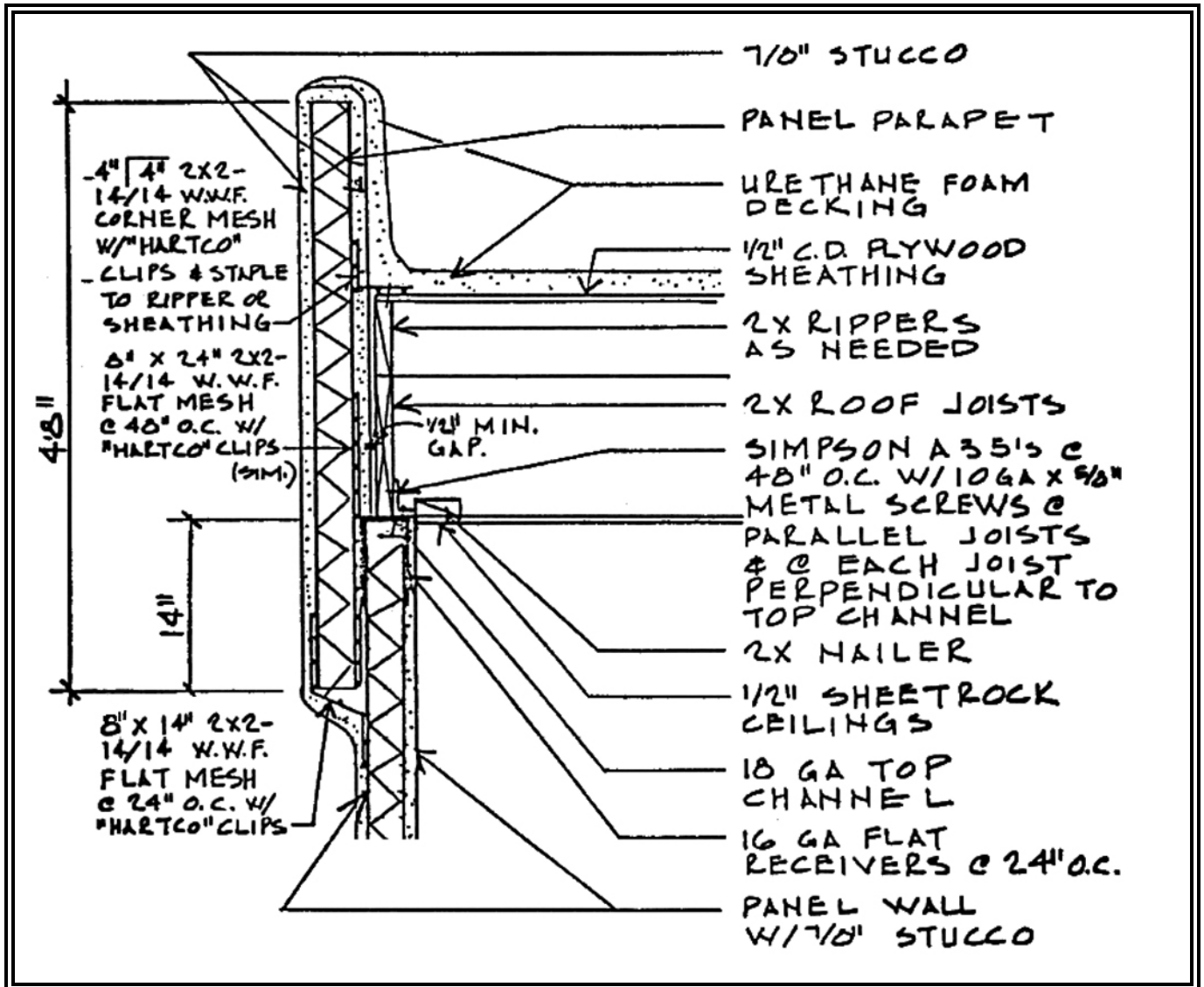
CEM. PLSTR



PANEL TO GABLE
TO WALL

57

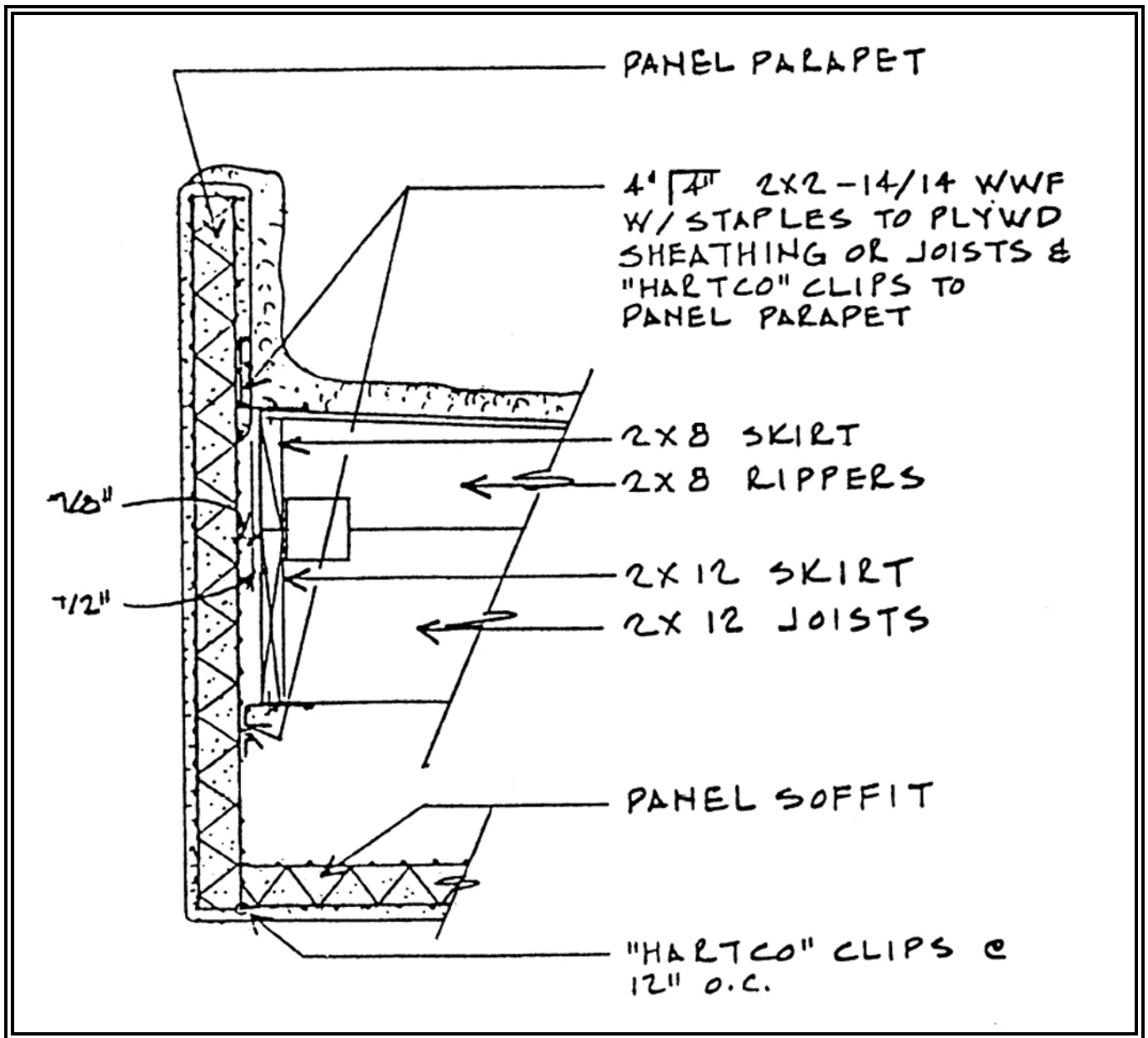
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PANEL PARAPET

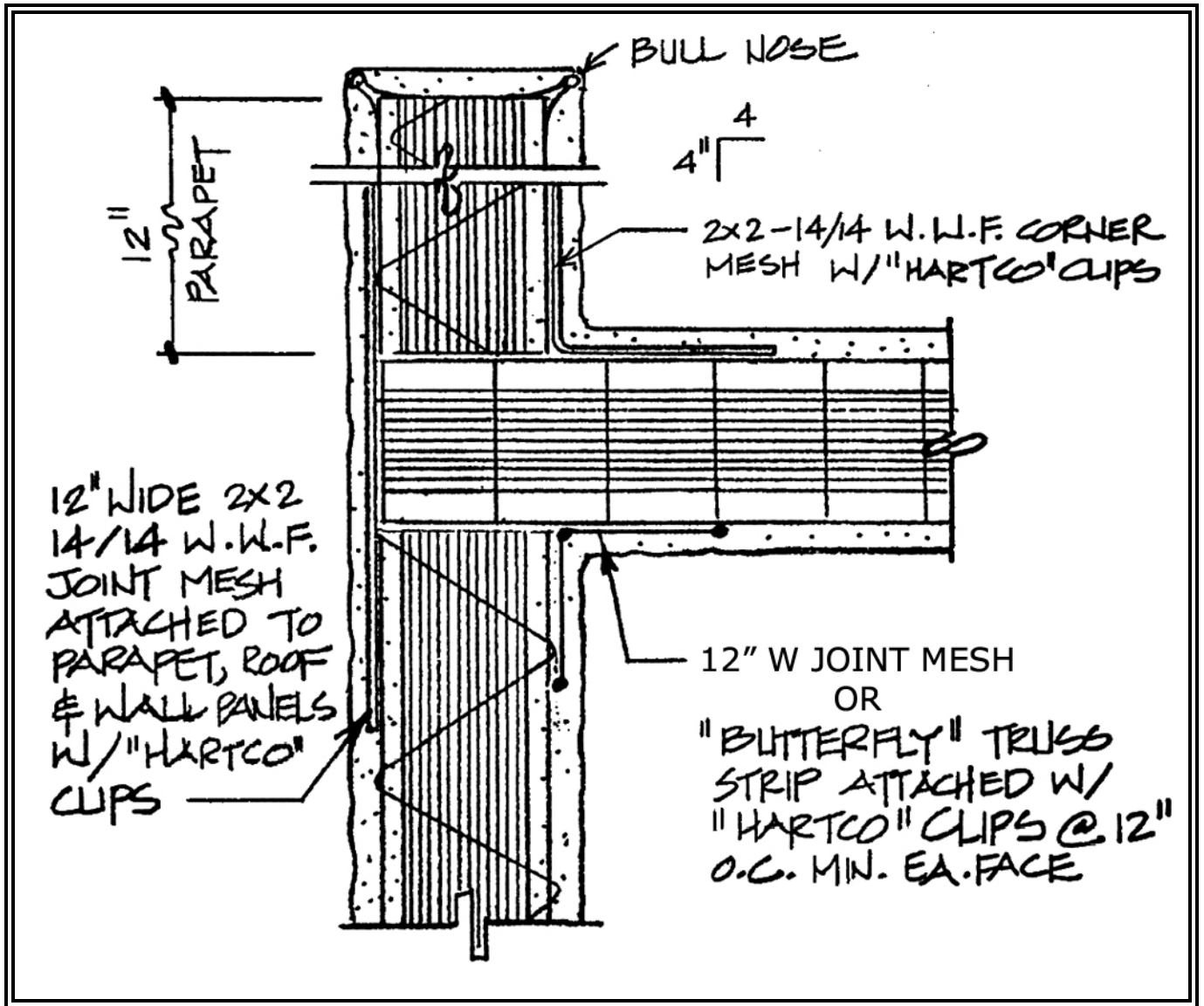
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PANEL PARAPET
& EXTERIOR SOFFIT

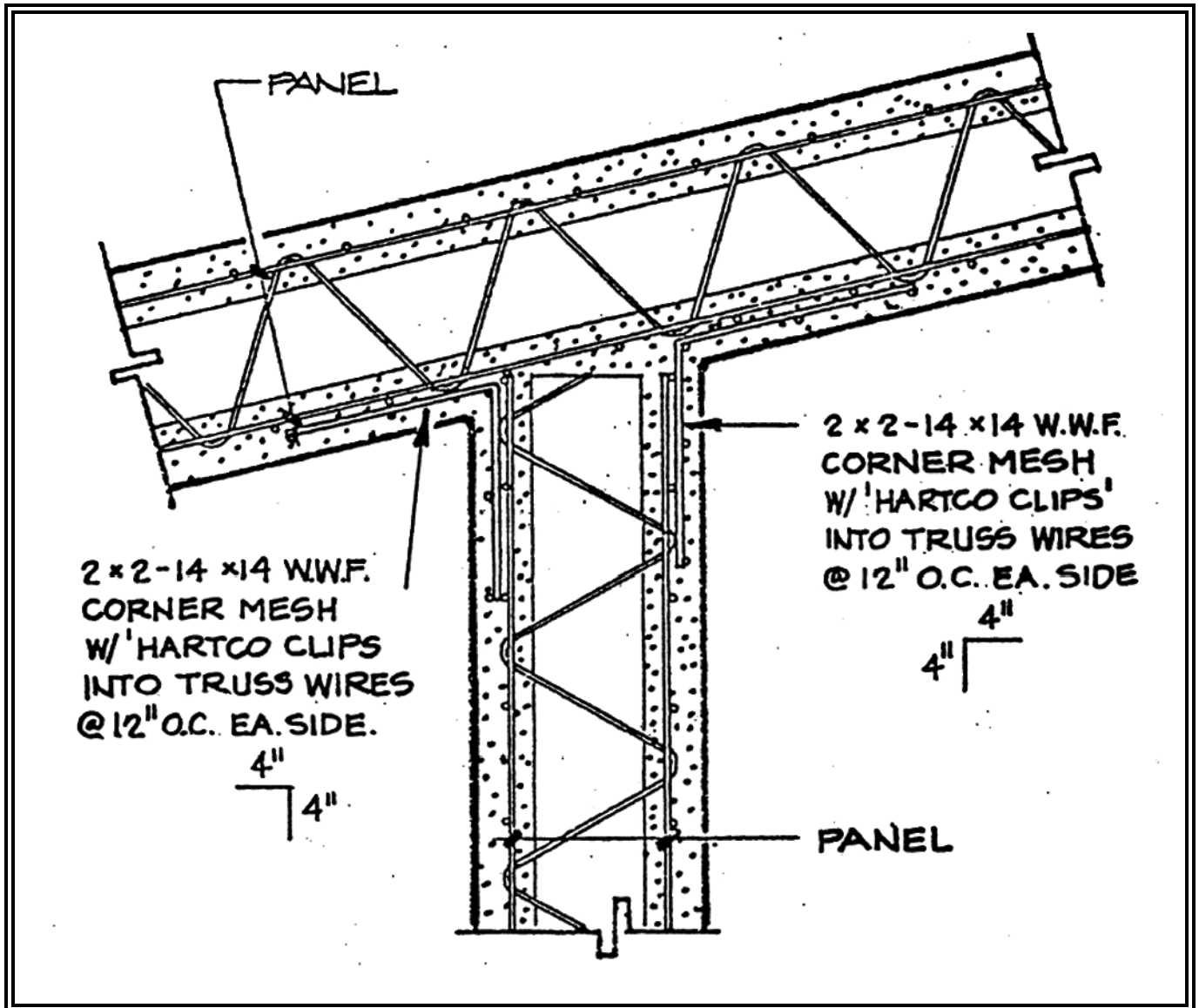
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TYPICAL PARAPET

61

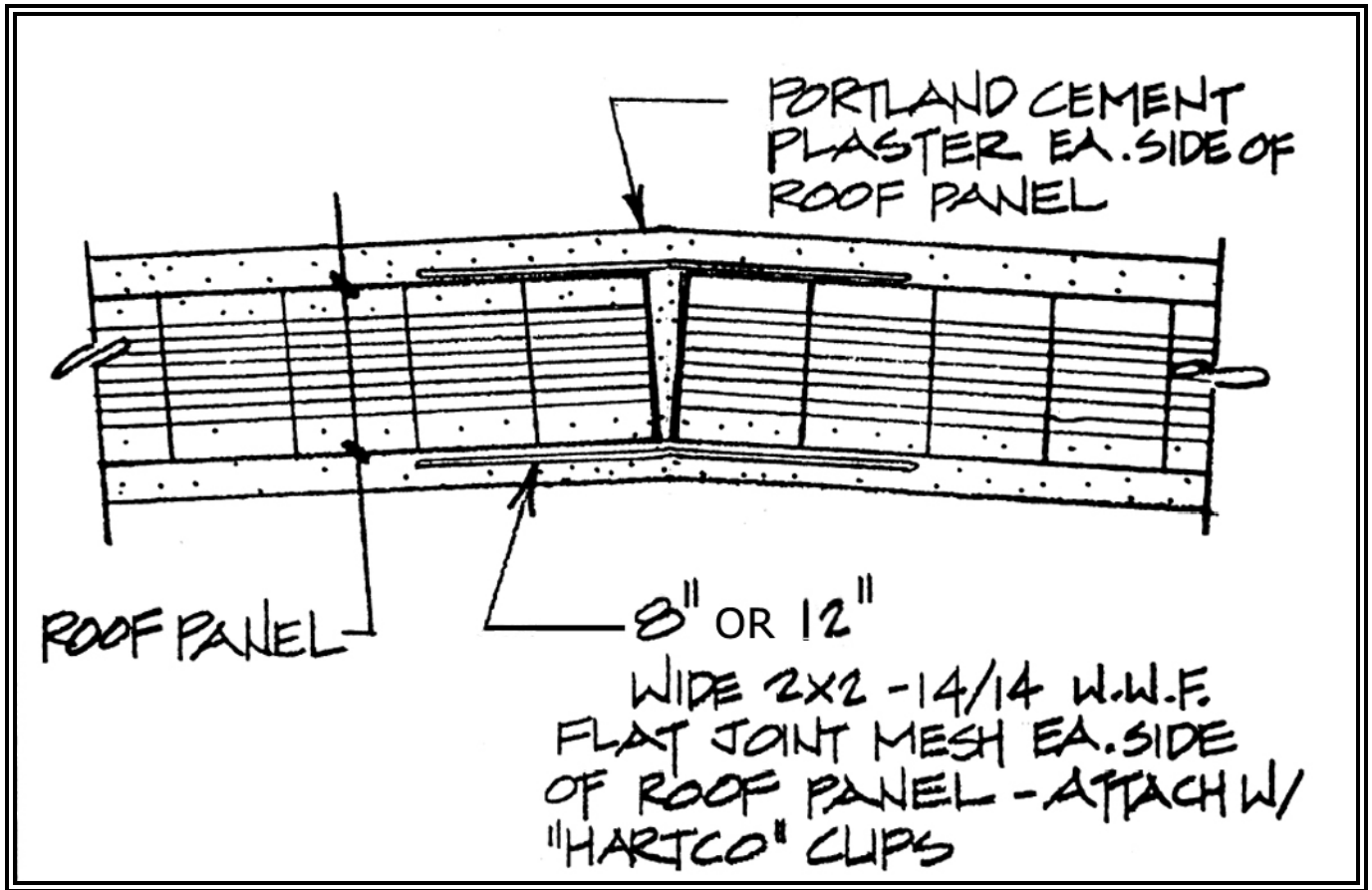
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TYPICAL WALL TO ROOF
(SLOPPED ROOF)

62

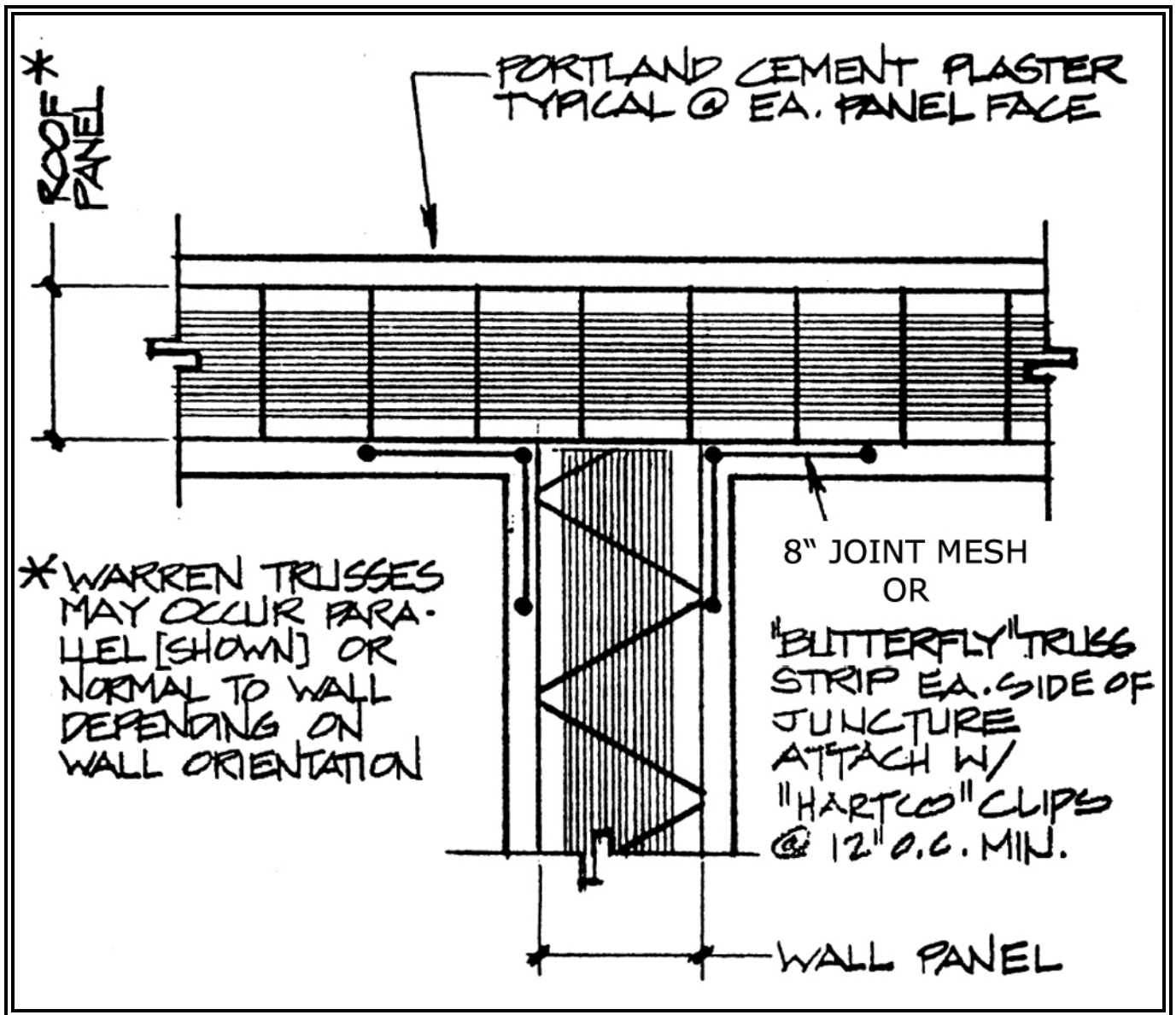
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ROOF JOINT AT RIDGE

63

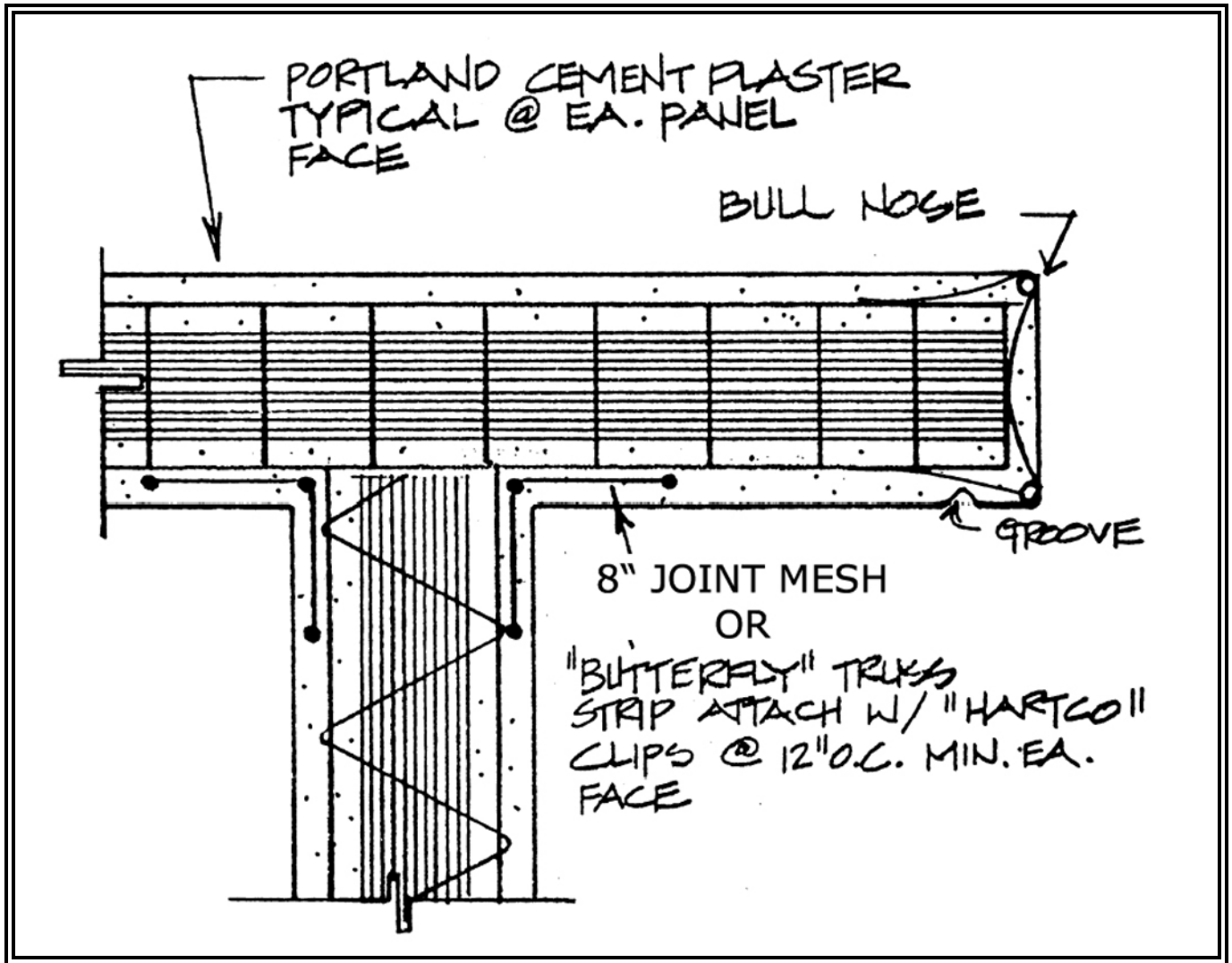
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TYP. WALL TO FLAT ROOM
CONNECTION

64

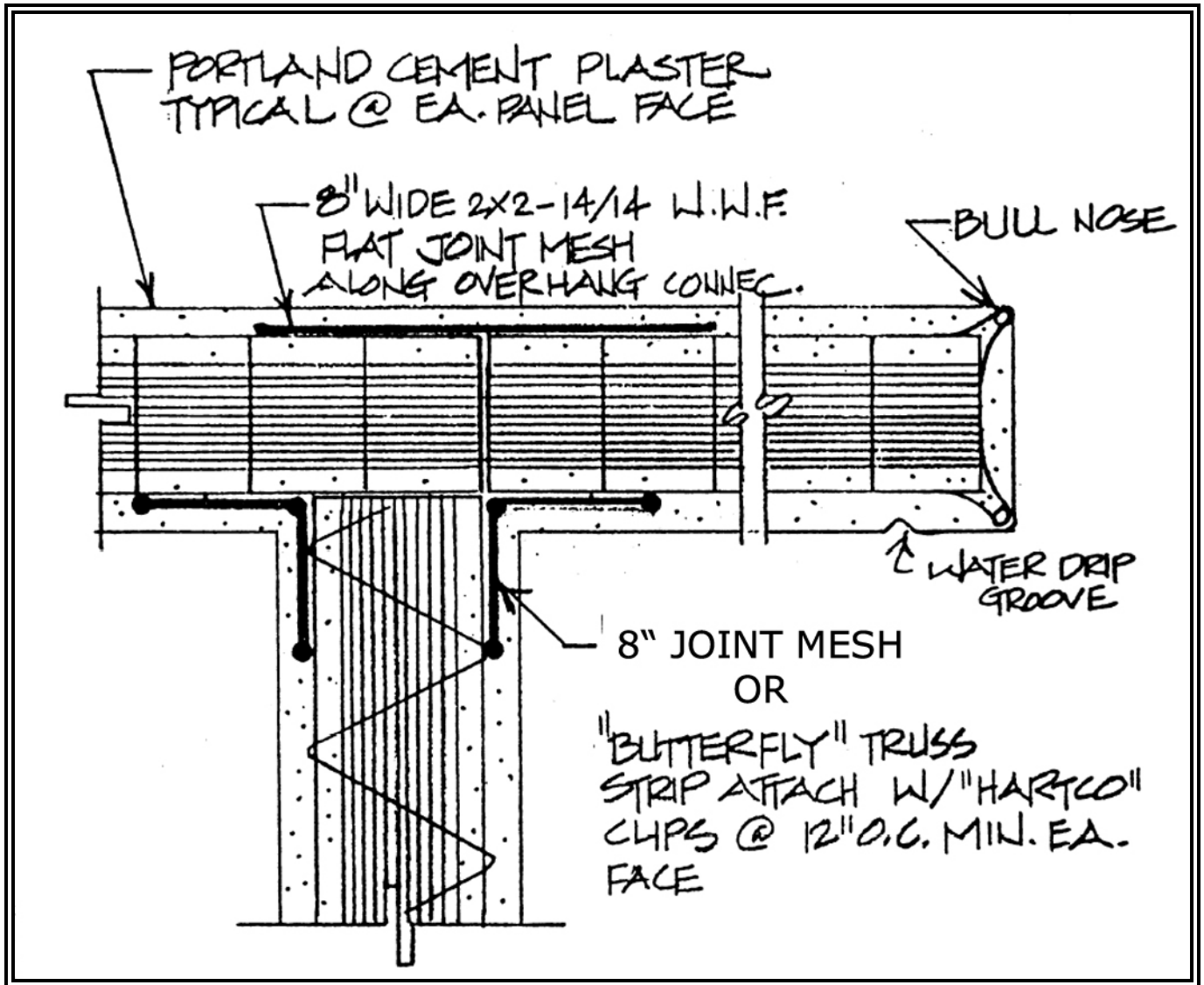
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TYPICAL OVERHANG

65

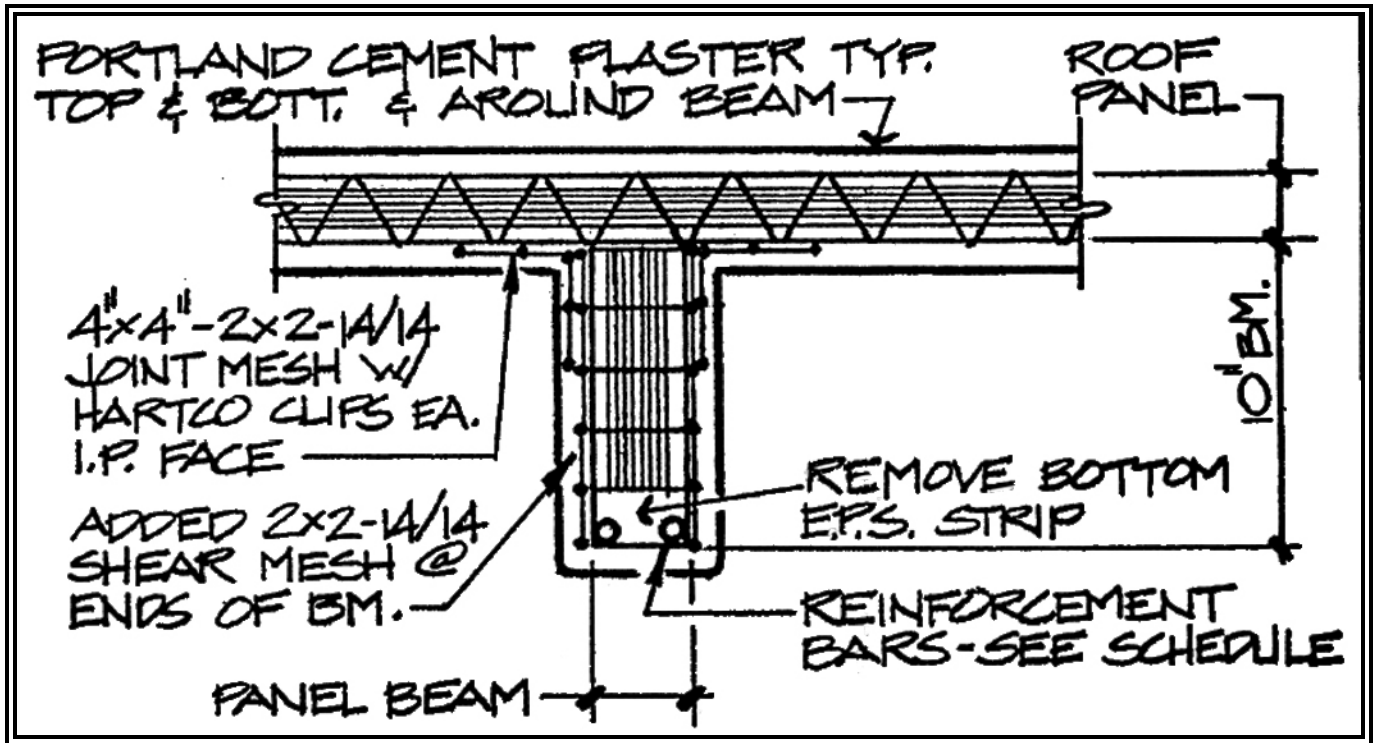
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OVERHANG CONNECTION

66

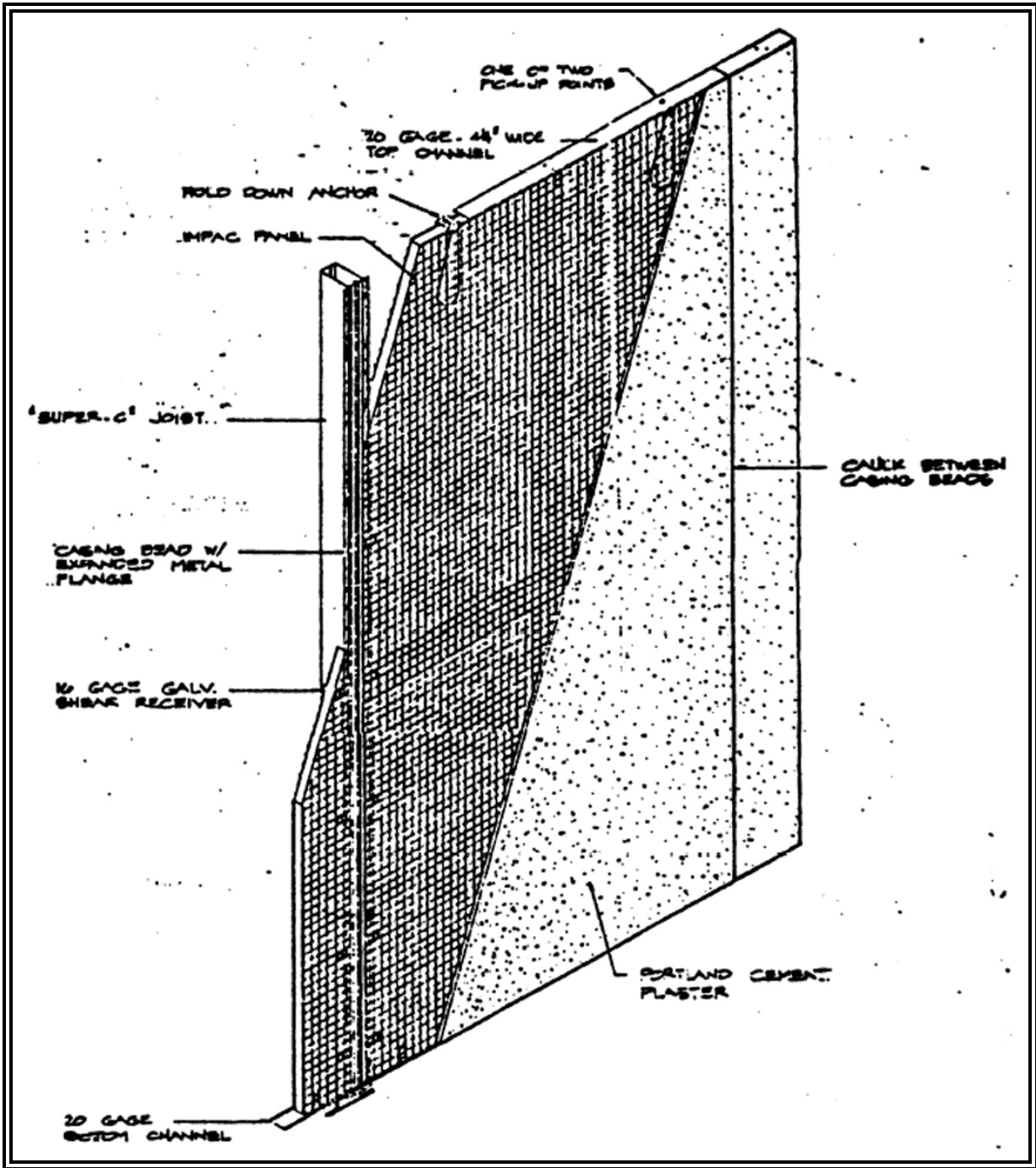
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PANEL ROOF BEAM
385#(LB) / FT

69

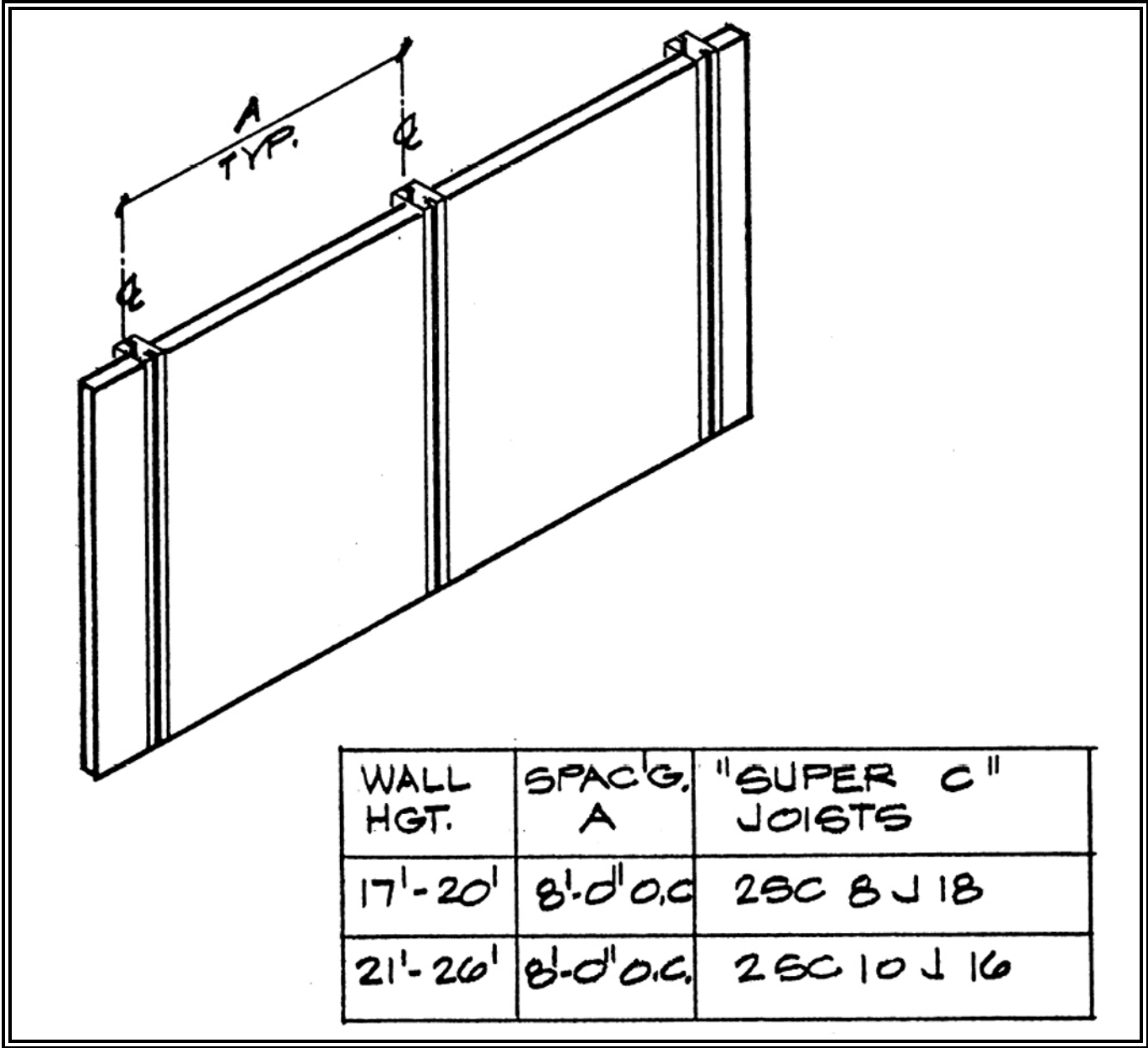
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PREFAB WALL

70

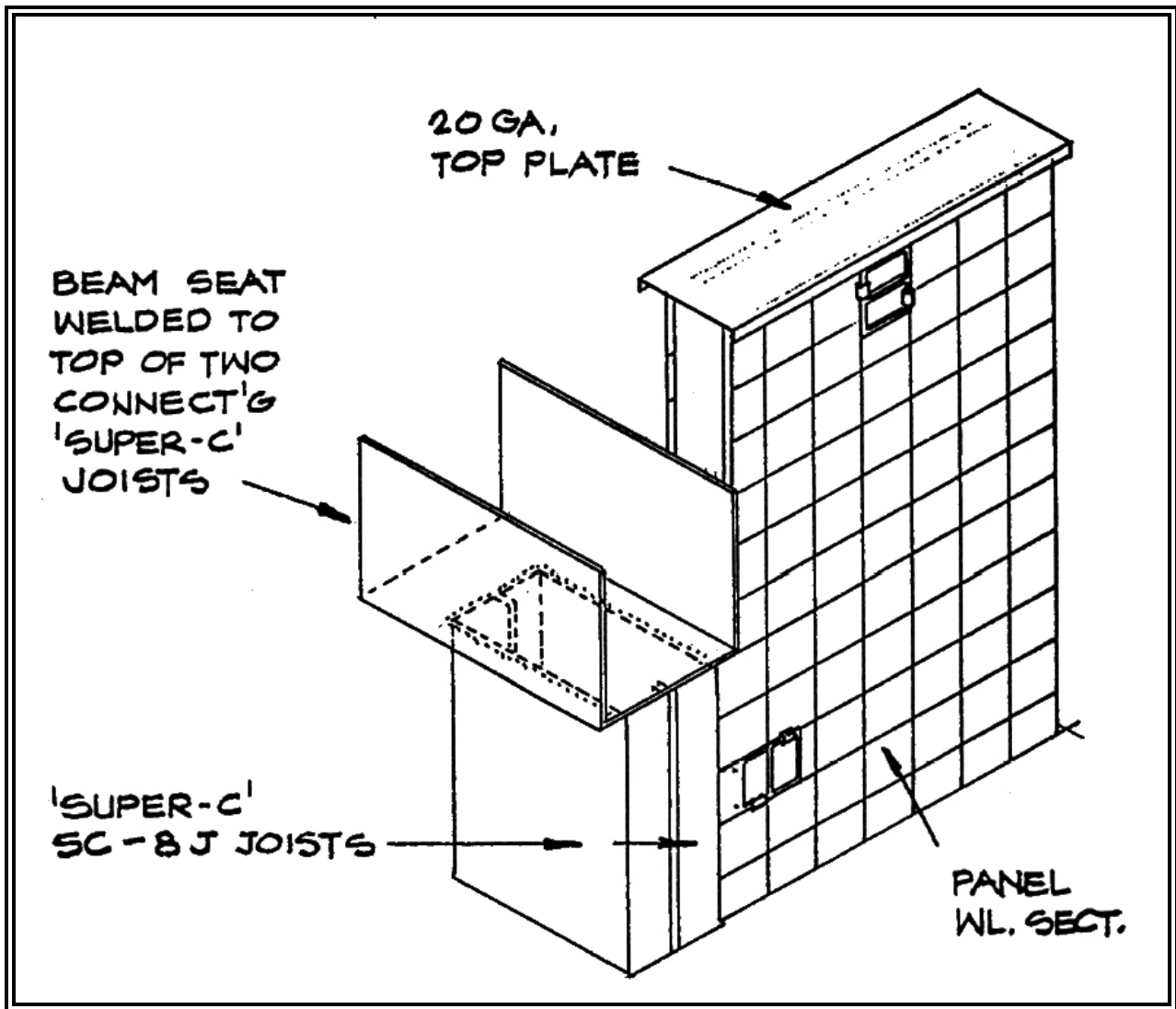
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SPACING REQUIRED FOR
PREFAB WALL

71

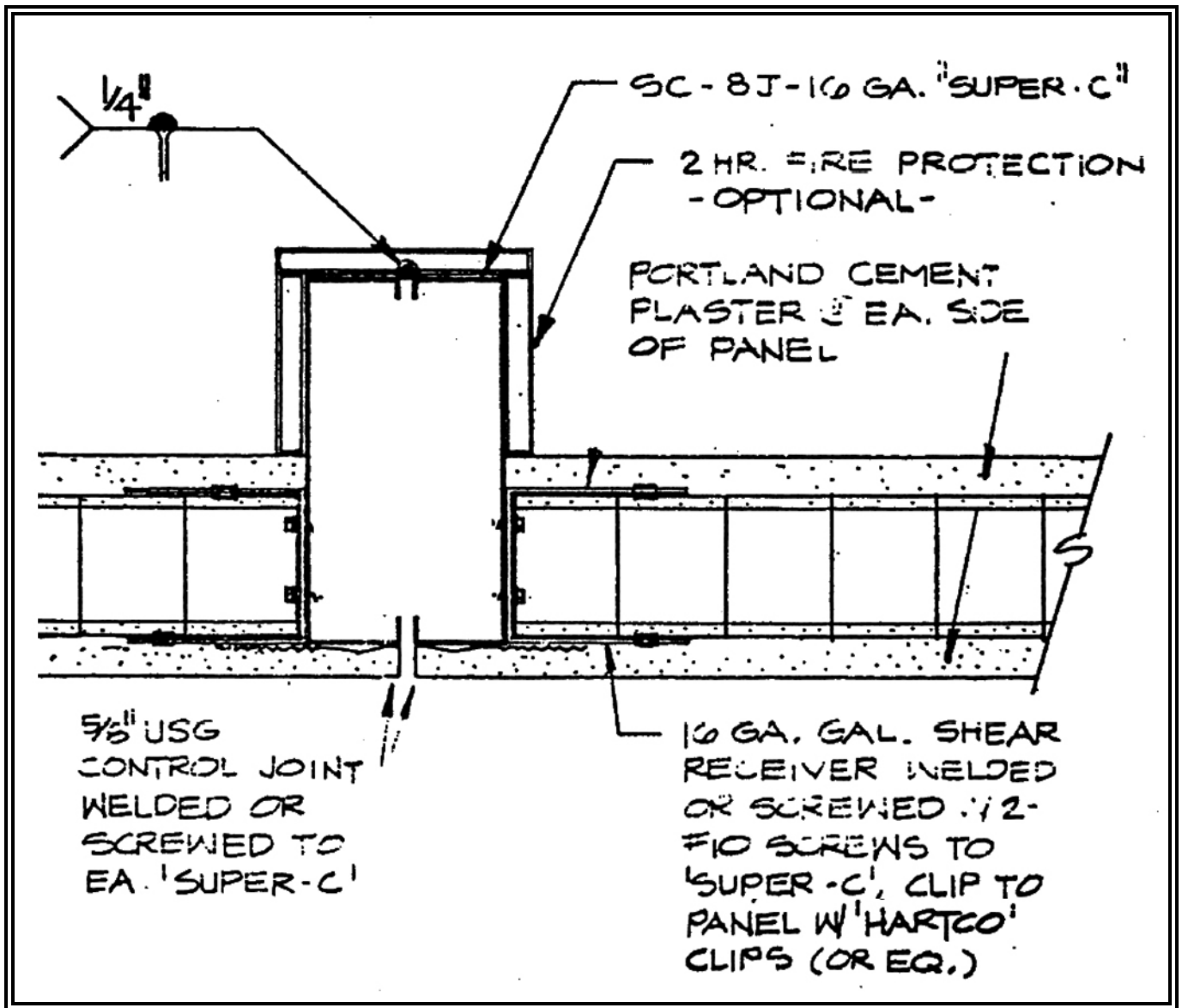
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BEAM SEAT @ TOP OF
CONNECTING "SUPER C" JOIST

72

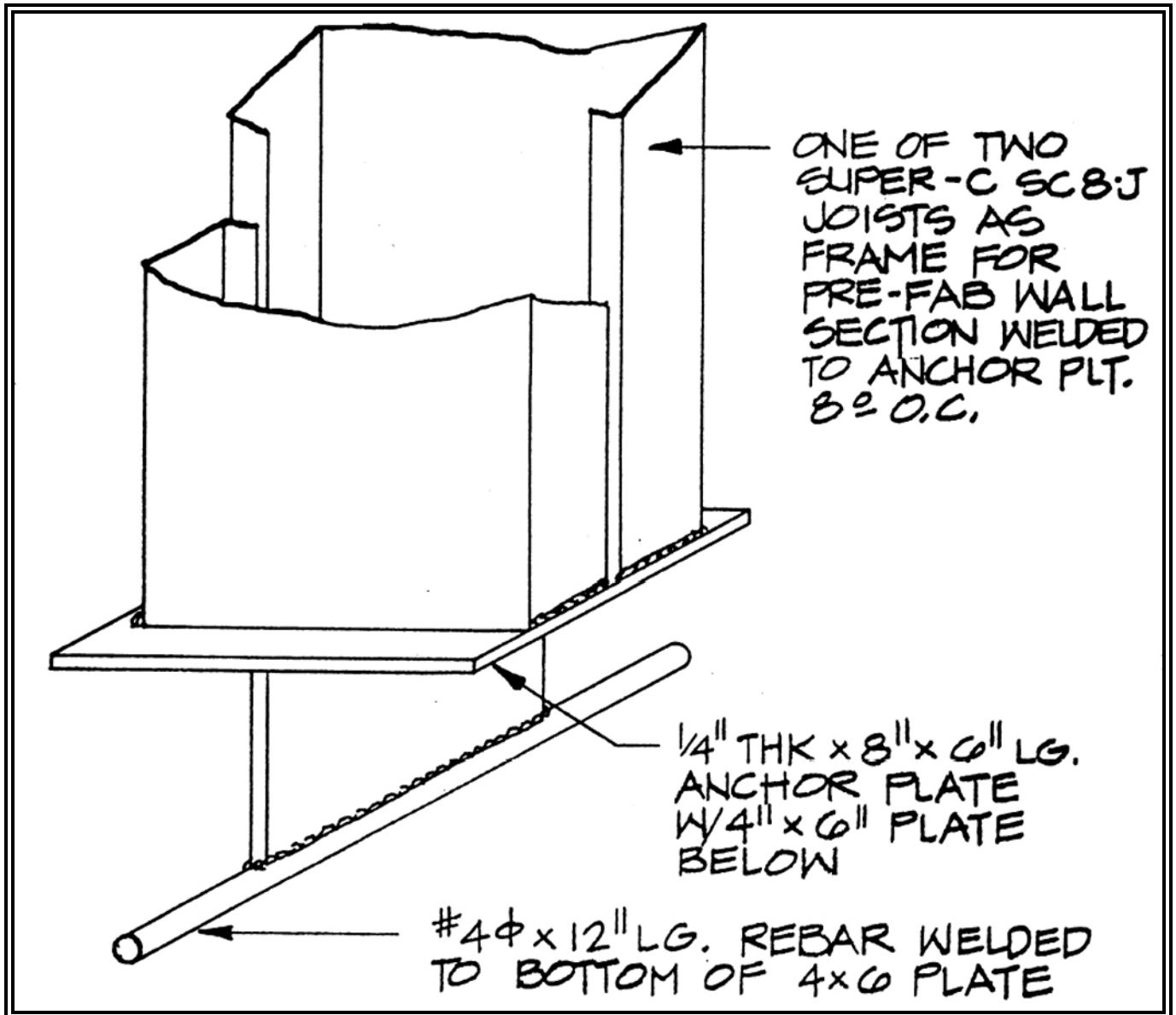
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HORIZONTAL SECTION THRU
 CONNEC. OF PREFAB WALL

73

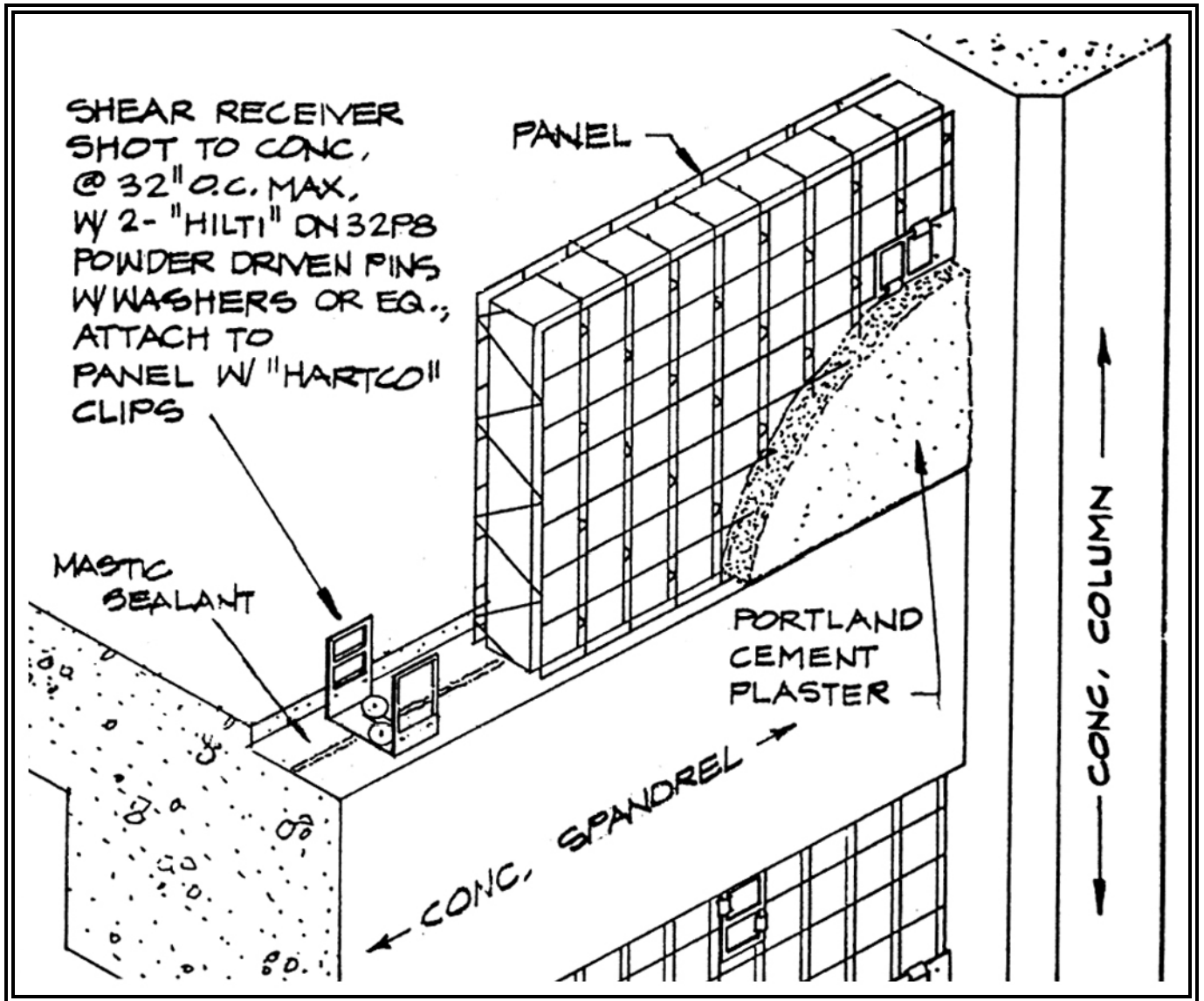
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ANCHOR PLATE FOR
PREFAB WALL SECTIONS

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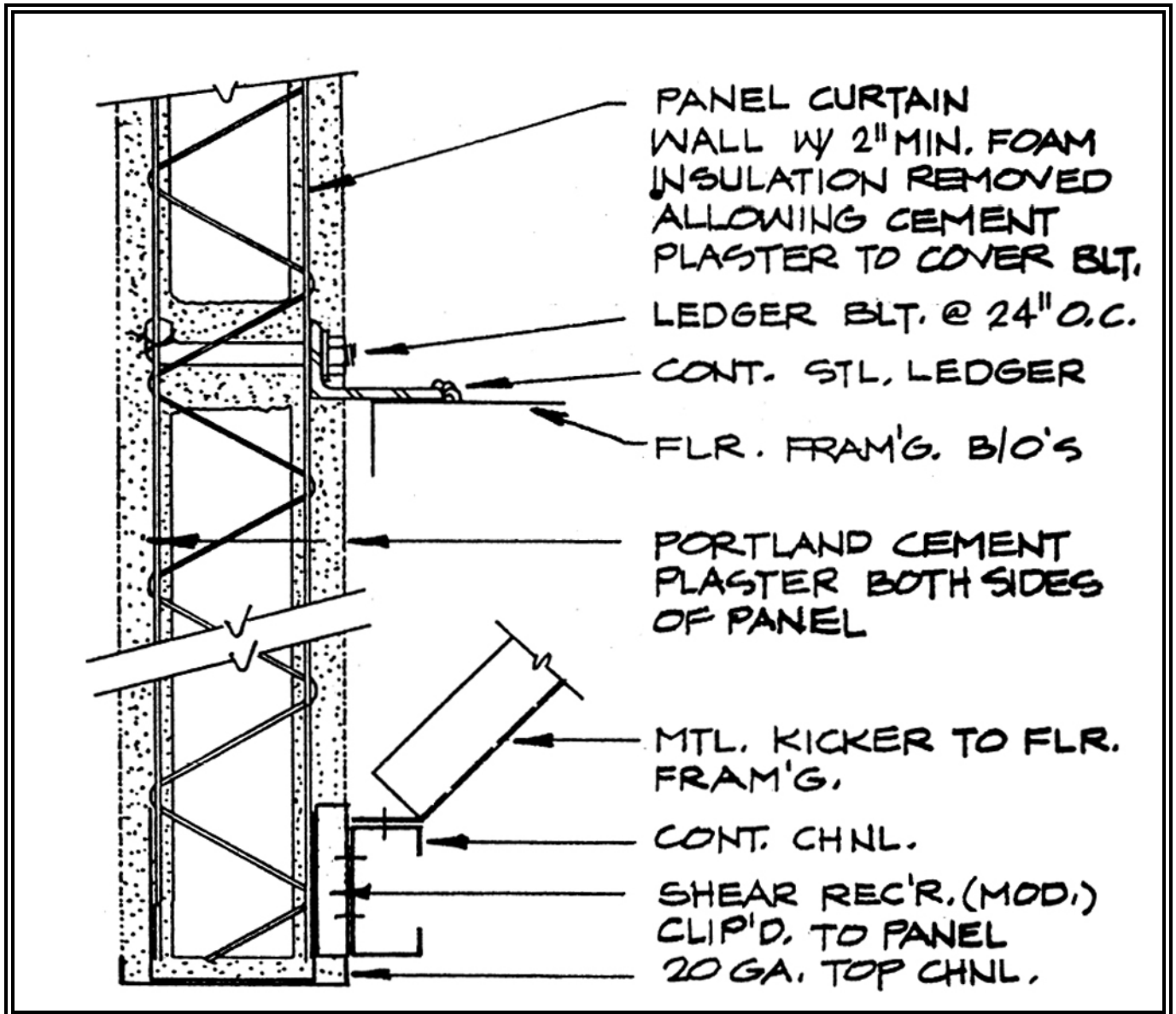
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PANEL INFILL WALL

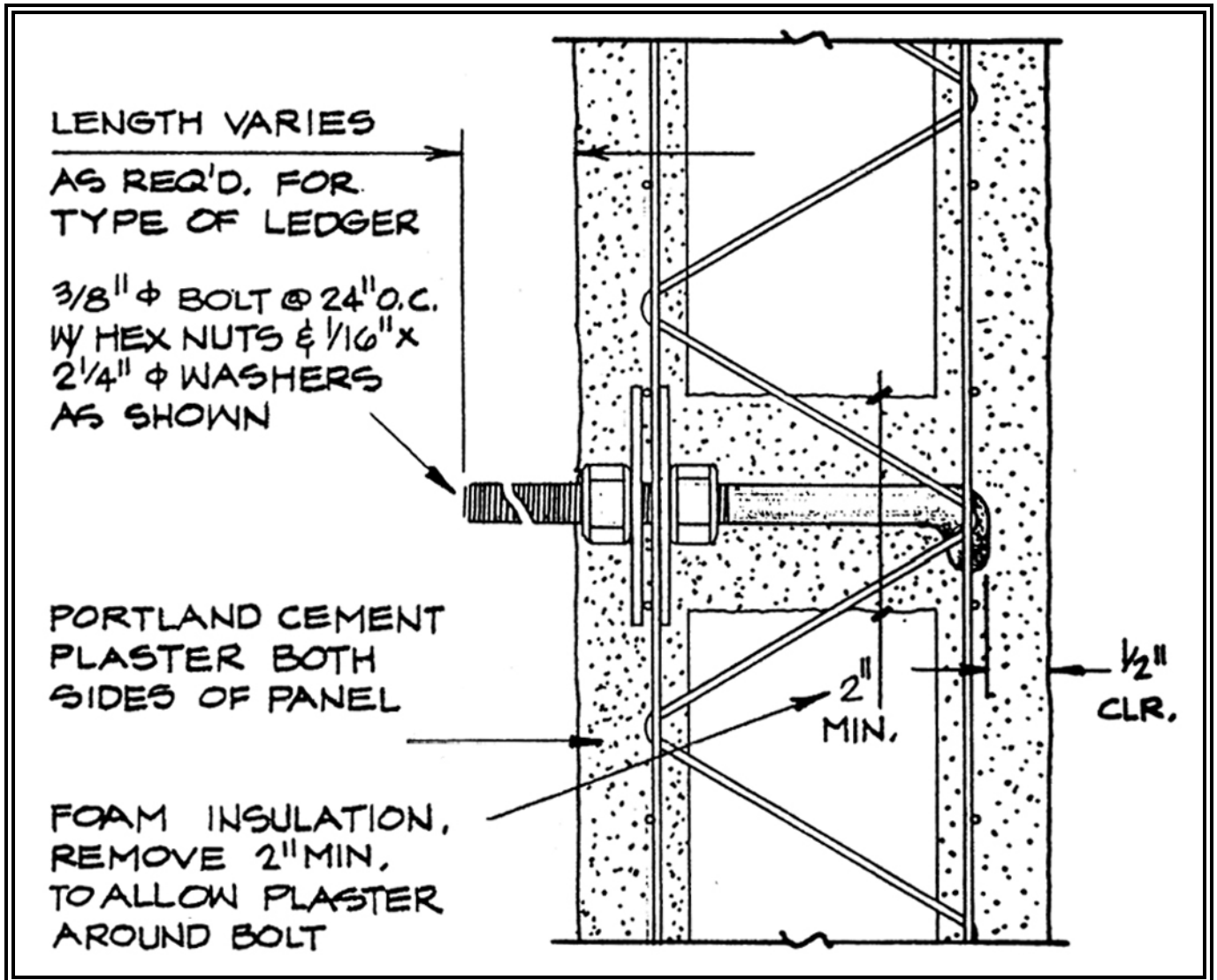
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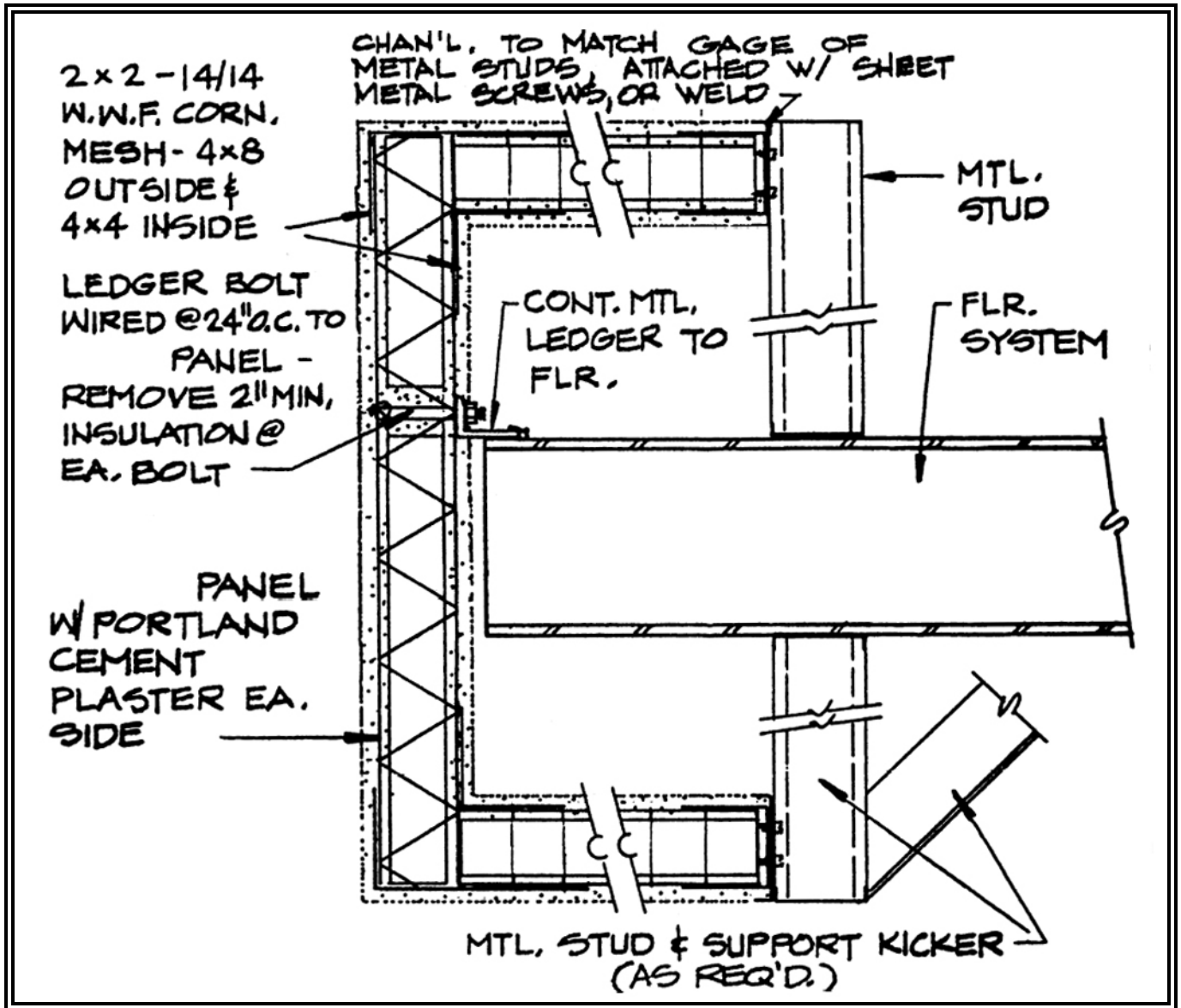
PANEL CURTAIN WALL CONNECTION

76



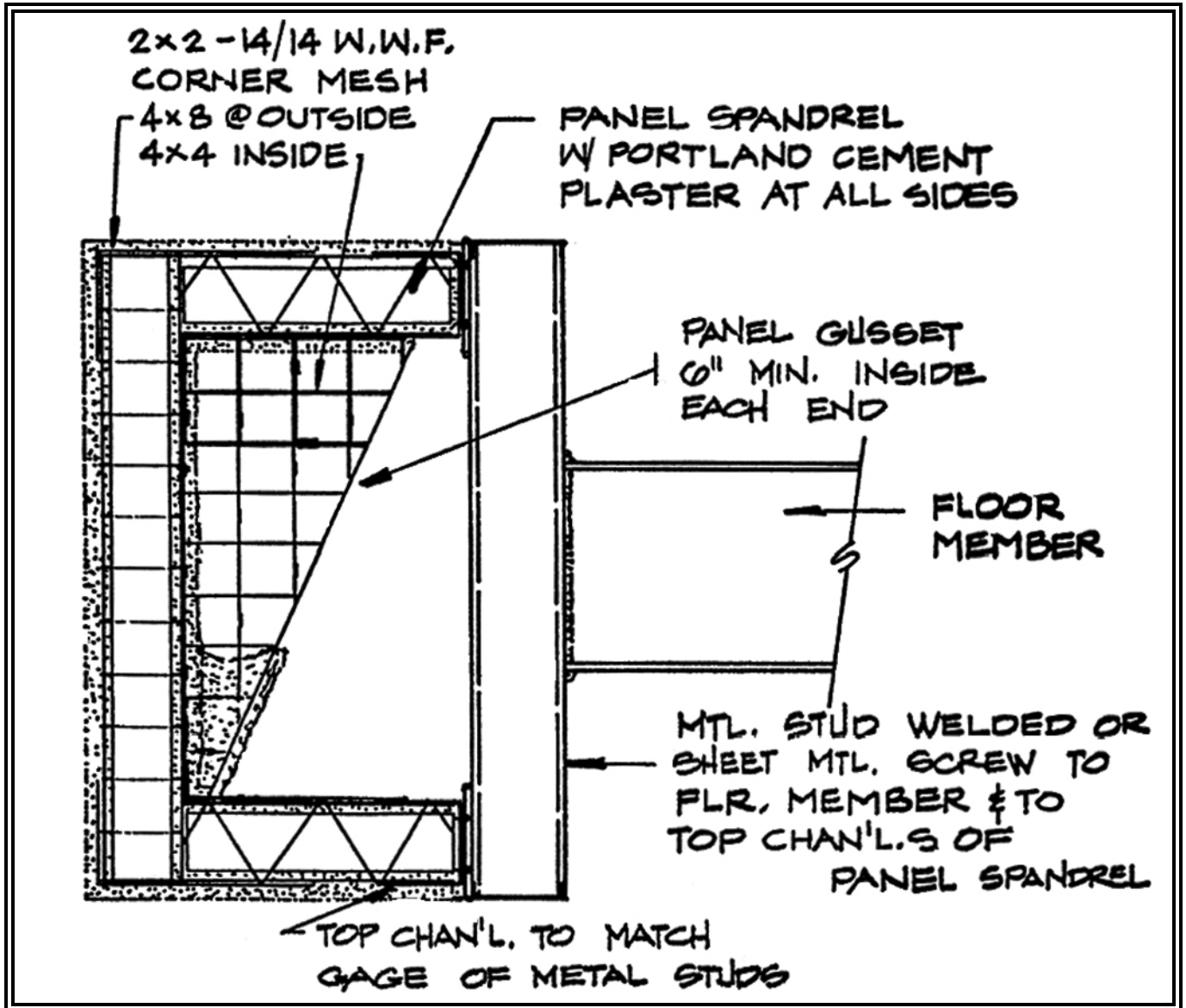
LEDGER BOLT CONNEC. TO
PANEL WALL

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PANEL SPANDREL WITH
FLOOR CONNECTION

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PANEL SPANDREL WITH
METAL STUD BACKING

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