8/25/2016

EAST COAST
METAL SYSTEMS

PRODUCT DATA

ECMS EC-150 SYSTEM

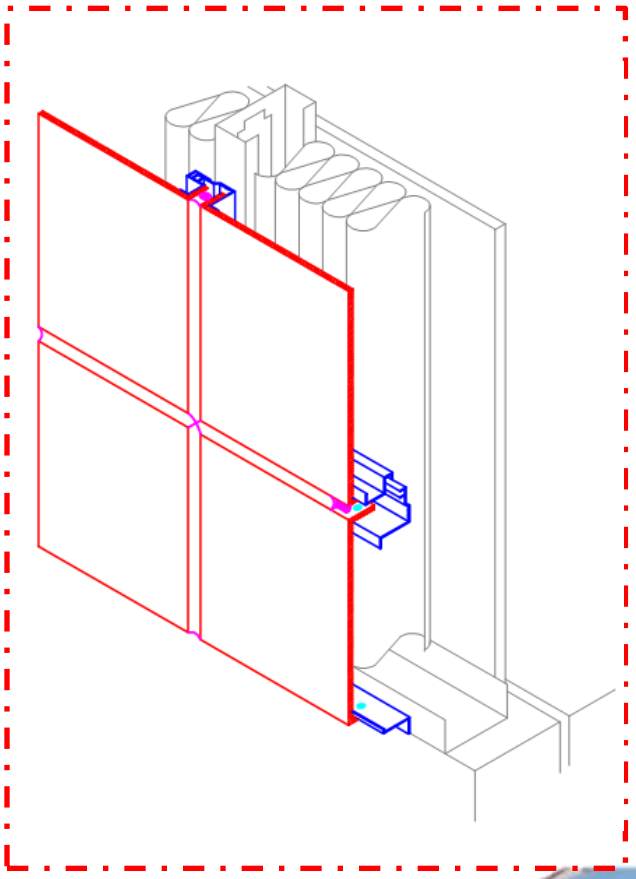
ALUMINUM PLATE PANEL

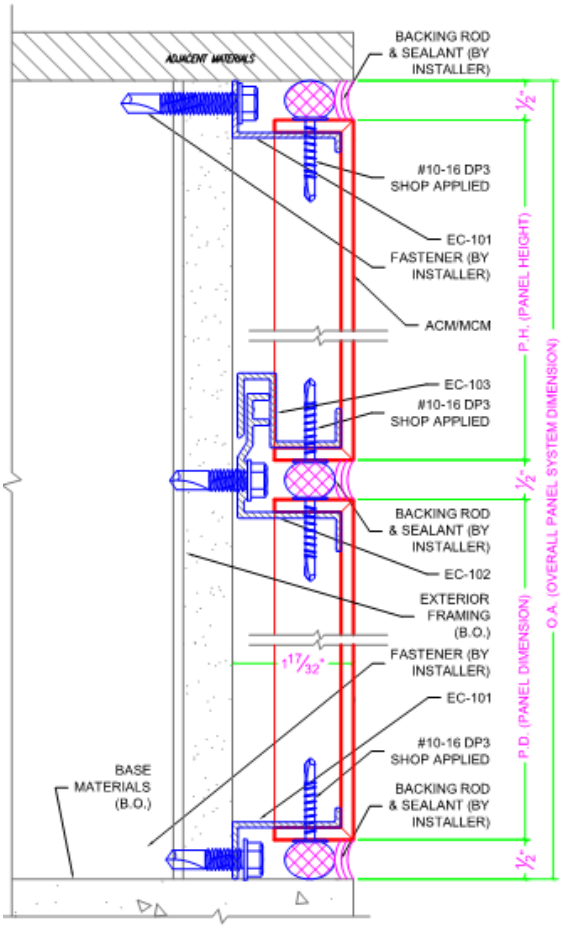
East Coast Metal Systems, Inc
407 53rd Street ▪ P.O. Box 217 ▪ Bellaire, OH 43906
www.ecmsinc.net | P: (740) 676-2400 F: (740) 671-8760

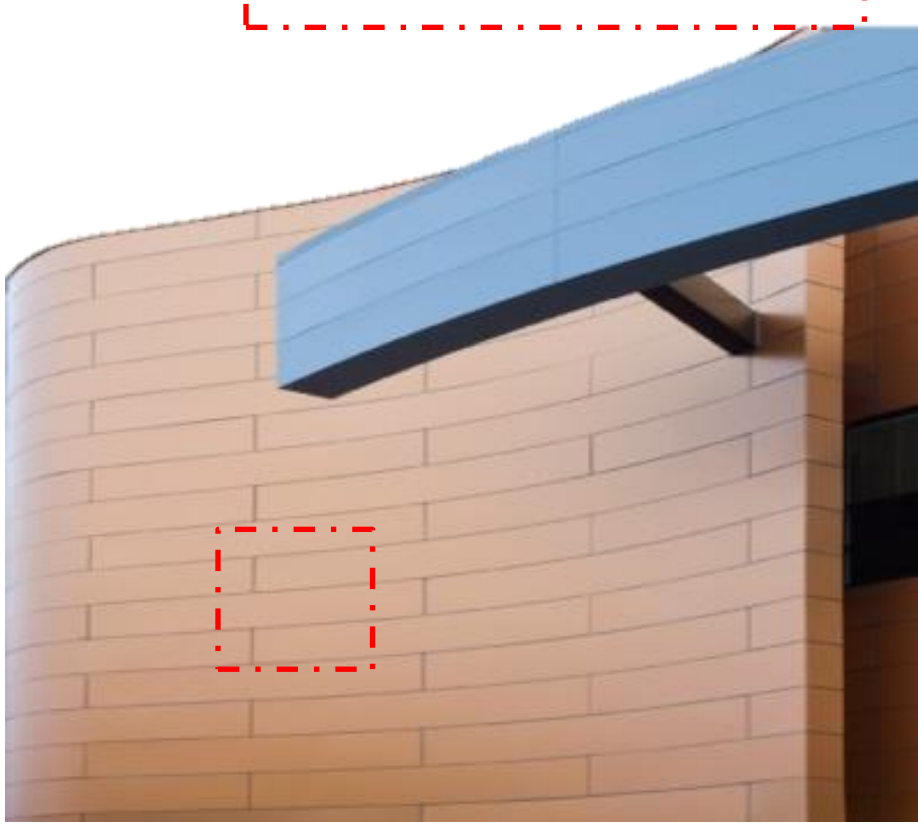
EAST COAST
METAL SYSTEMS

EC-150 SYSTEM

The EC-150 Aluminum Plate Panel System utilizes panel length, male/female extrusions that are interlocking and easily installed. The EC-150 is a wet-joint system and is sealed with a silicone sealant. The Aluminum Plate is routed and fabricated into “formed pans” that are attached to the EC-150 extrusions. The EC-150 system can be used on projects varying from the most simple to the most complex. The EC-150’s versatility allows installation over any structurally sound surface. The EC-150 System is available in 0.125in, 0.190in, 0.25in Aluminum Plate Panels.







Premium MCM Fabricator
METAL CONSTRUCTION ASSOCIATION

EAST COAST
METAL SYSTEMS

EC-150 SYSTEM

System:	EC-150 (Wet-Joint)
Panel Type:	Aluminum Plate
Material Options:	0.125”, 0.187”, and 0.25”
Color:	Materials are finished after fabrication
Finish:	Kynar ***Anodized available***
Substrate:	Subgirt or Plywood
Standard Panel Surface:	Smooth
Max Panel Width:	60” (1524 mm) [1]
Min. Panel Width:	4” (101.6 mm)
Max Panel Length:	194” (4927.6mm)
Min. Panel Length:	4” (101.6 mm)

PERFORMANCE TESTING

Test Method	Title of Test	Results
ASTM E 283		
	Air Infiltration	Pass[2]
ASTM E 331		
	Water Resistance	No Leakage
ASTM E 330		
	Uniform Load Deflection	Pass[2]
ASTM E 330		
	Uniform Load Deflection	Pass[2]

Note

1. Max panel width subject to change based on vendor material
2. Test Repots available upon request

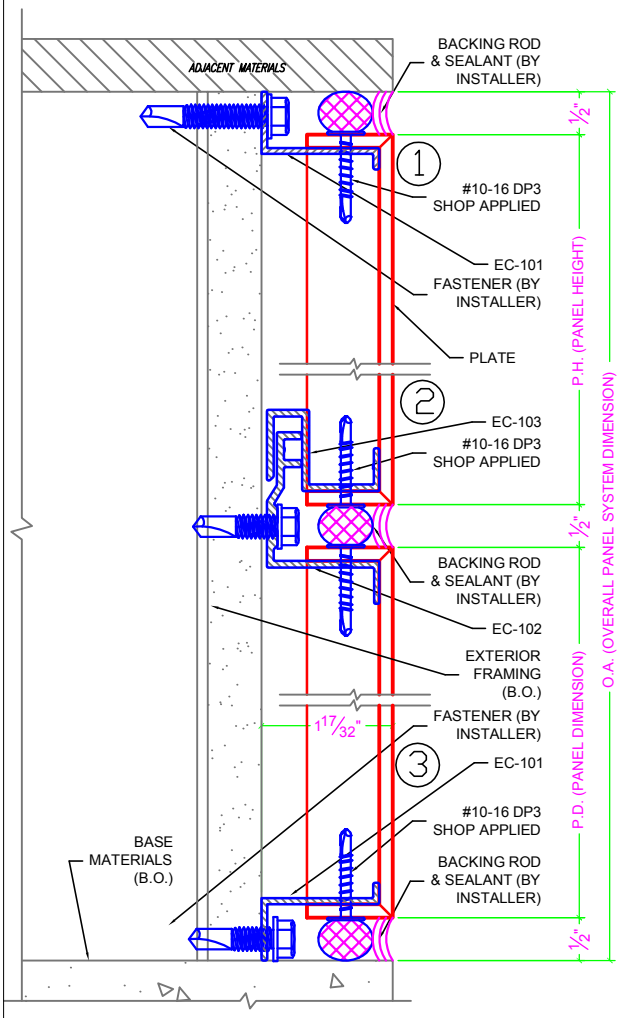
*Test Date 2/23/09

EC-150

ROUTE & RETURN WET JOINT SYSTEM

EAST COAST METAL SYSTEMS

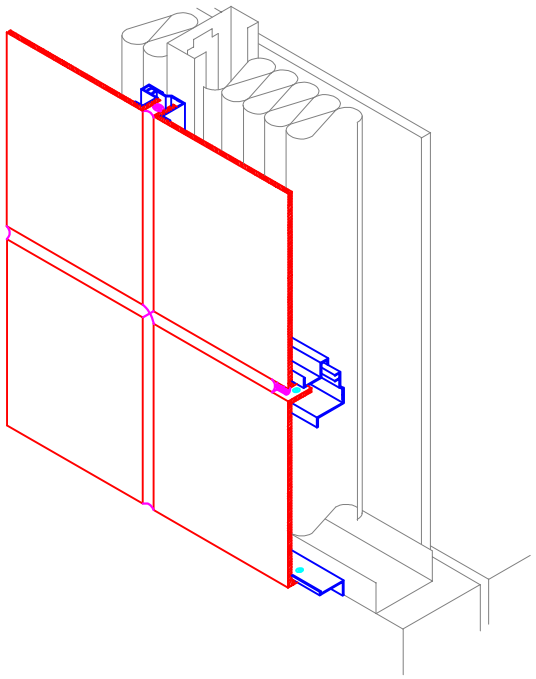
P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



1 TYPICAL HEAD JOINT

2 TYPICAL HORIZONTAL/VERTICAL JOINT

3 TYPICAL BASE JOINT



EC-150 PANEL SYSTEM - ISOMETRIC

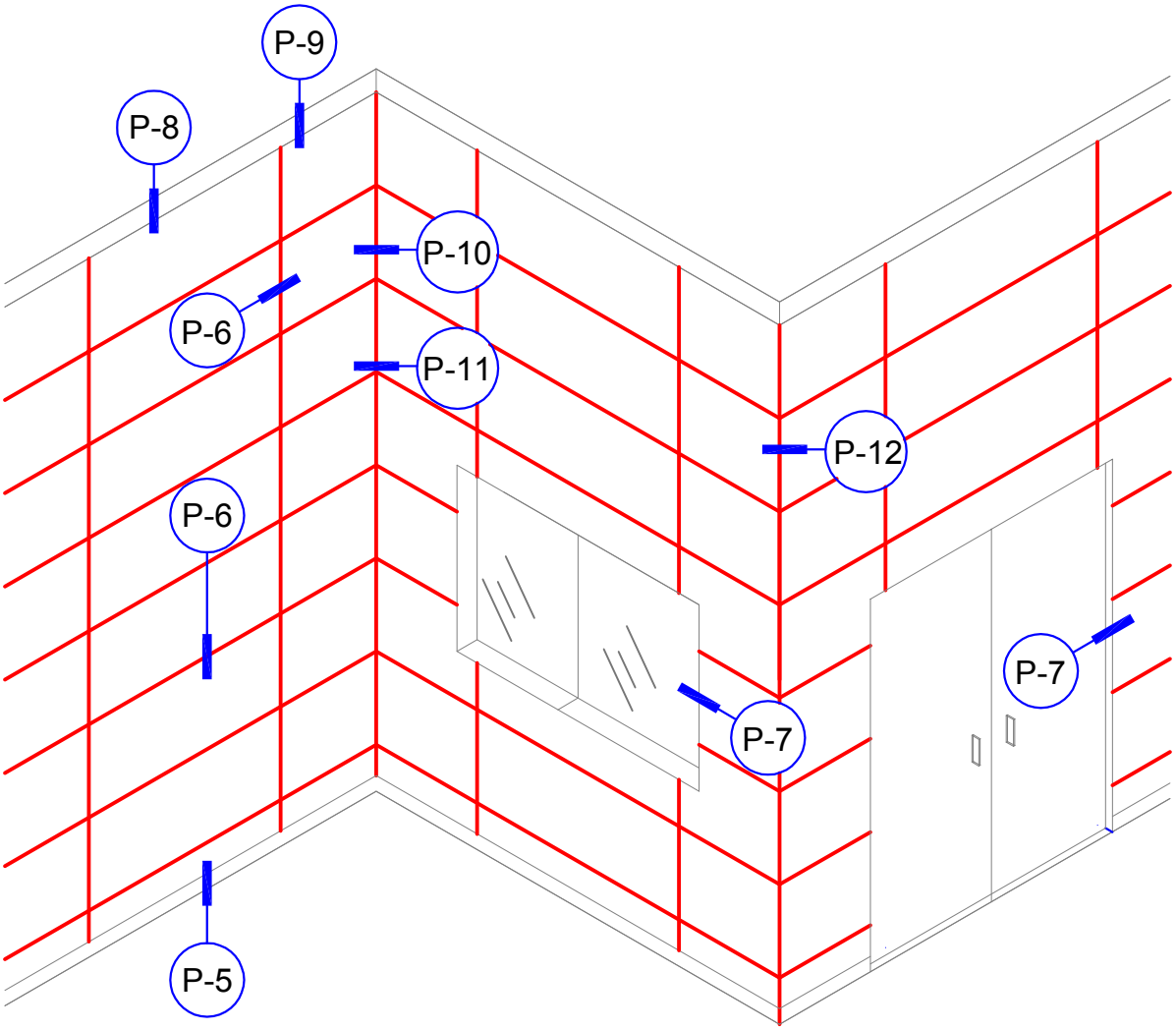
EC-100 Wet Joint System

The EC-150 PLATE Panel System utilizes panel length, male/female extrusions, that are interlocking and easily installed. The EC-150 is a wet-joint system and is sealed with a silicone sealant. The PLATE is routed and fabricated into "formed pans" that are attached to the EC-150 extrusions. The EC-150 system can be used on projects varying from the most simple to the most complex. The EC-150's versatility allows installation over any structurally sound surface.

EC-150
ROUTE & RETURN CAULKED SYSTEM

EAST COAST
METAL SYSTEMS
P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net

EC-150 PANEL PLATE SYSTEM



ABBREVIATIONS

PLATE = ALUM. PLATE
B.O. = BY OTHERS
O.A. = OVERALL PANEL SYSTEM DIMENSION
P.D. = PANEL DIMENSION
P.H. = PANEL HEIGHT
P.W. = PANEL WIDTH

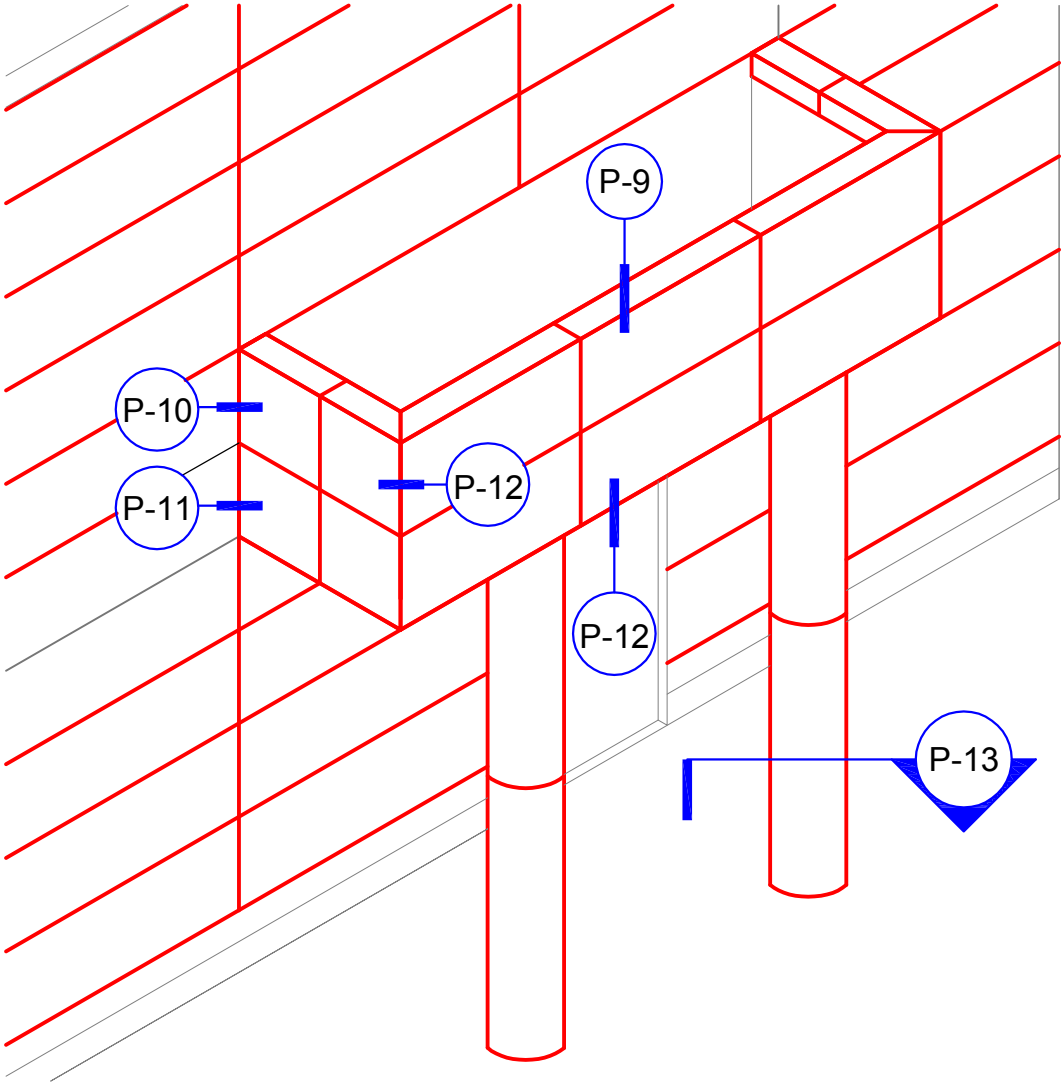
INDEX

(P-2) - (P-3): SYSTEM OVERVIEW
(P4): EXTRUSIONS
(P-5) - (P-13): SYSTEM DETAILS

EC-150
ROUTE & RETURN CAULKED SYSTEM

EAST COAST
METAL SYSTEMS
P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net

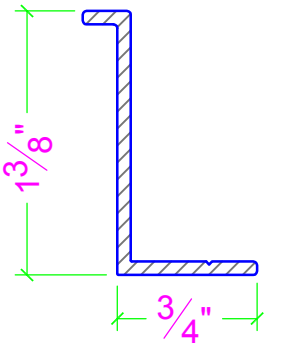
EC-150 PLATE PANEL SYSTEM
CANOPY AND COLUMN WRAPS



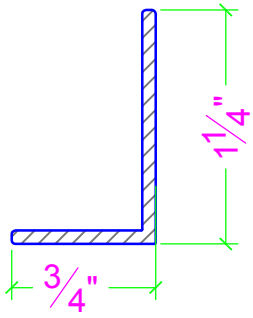
EC-150
ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS
P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net

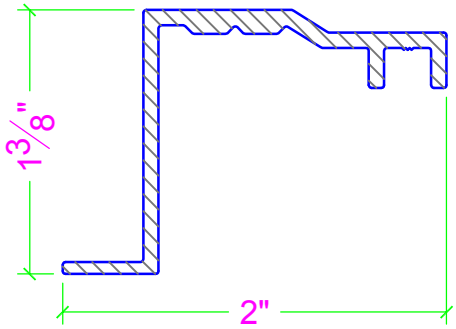
ATTACHMENT EXTRUSIONS



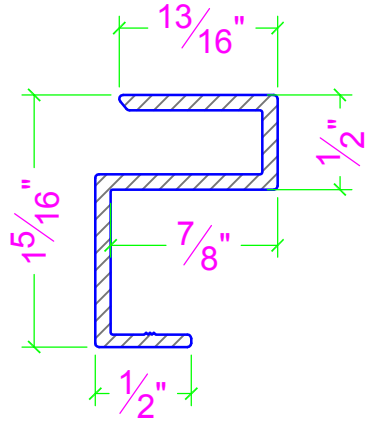
EC-101
EDGE ANGLE



EC-104
EDGE ANGLE



EC-102
MALE CONNECTOR



EC-103
FEMALE CONNECTOR

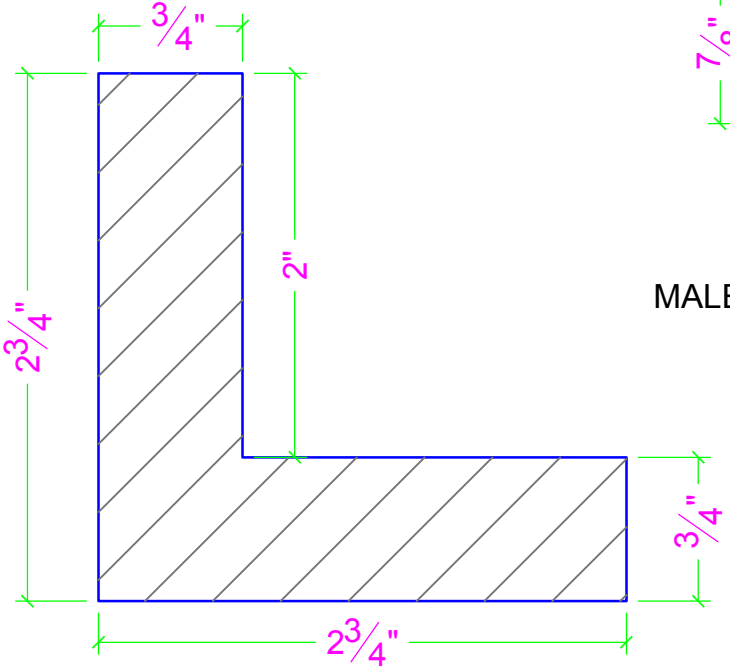
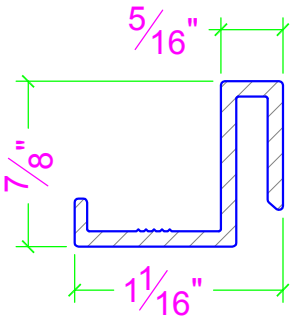
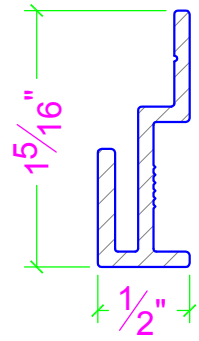


PLATE PANEL RETURN REINFORCEMENT



EC-105
MALE CONNECTOR



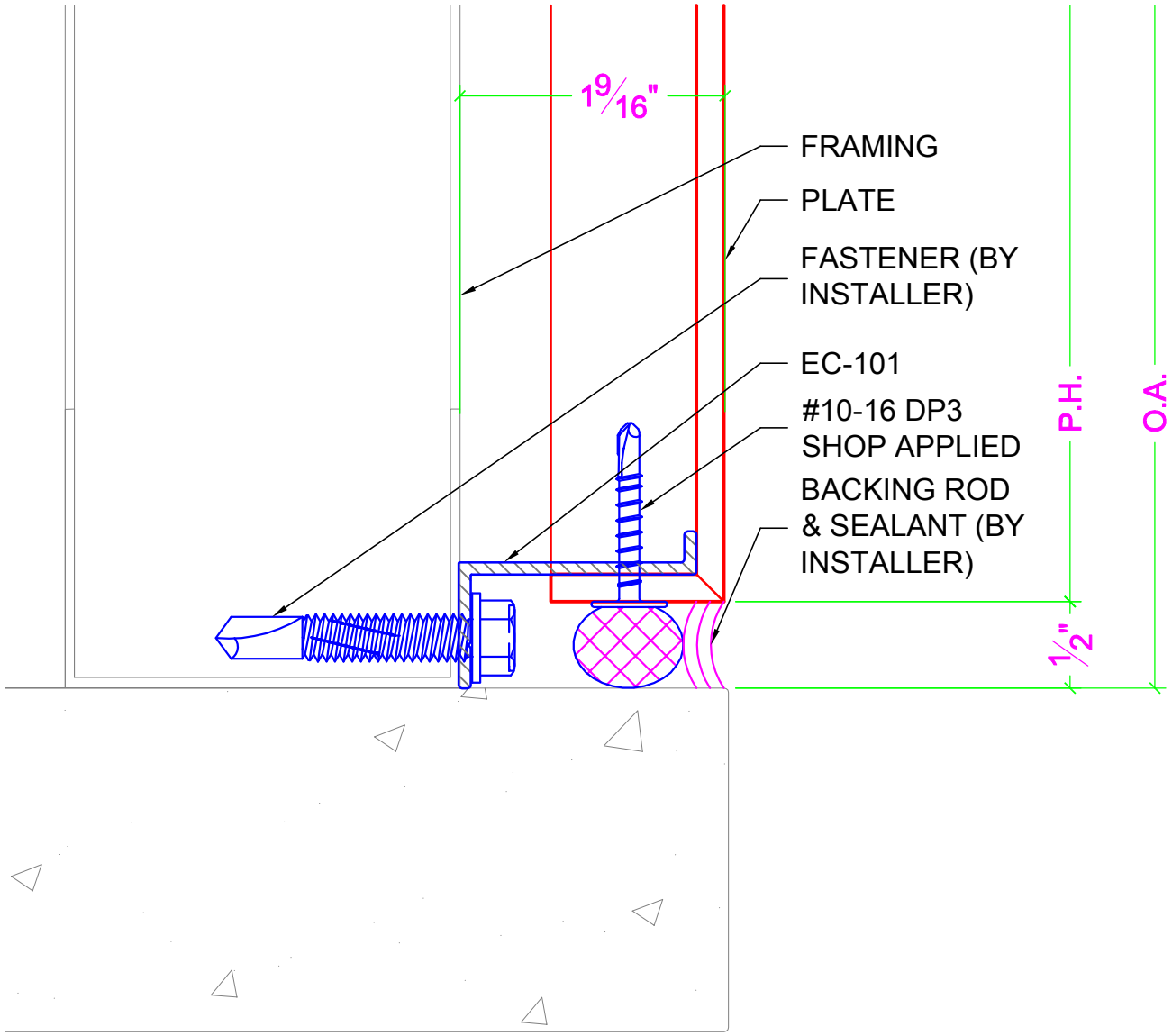
EC-106
FEMALE CONNECTOR

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



SILL CONDITION

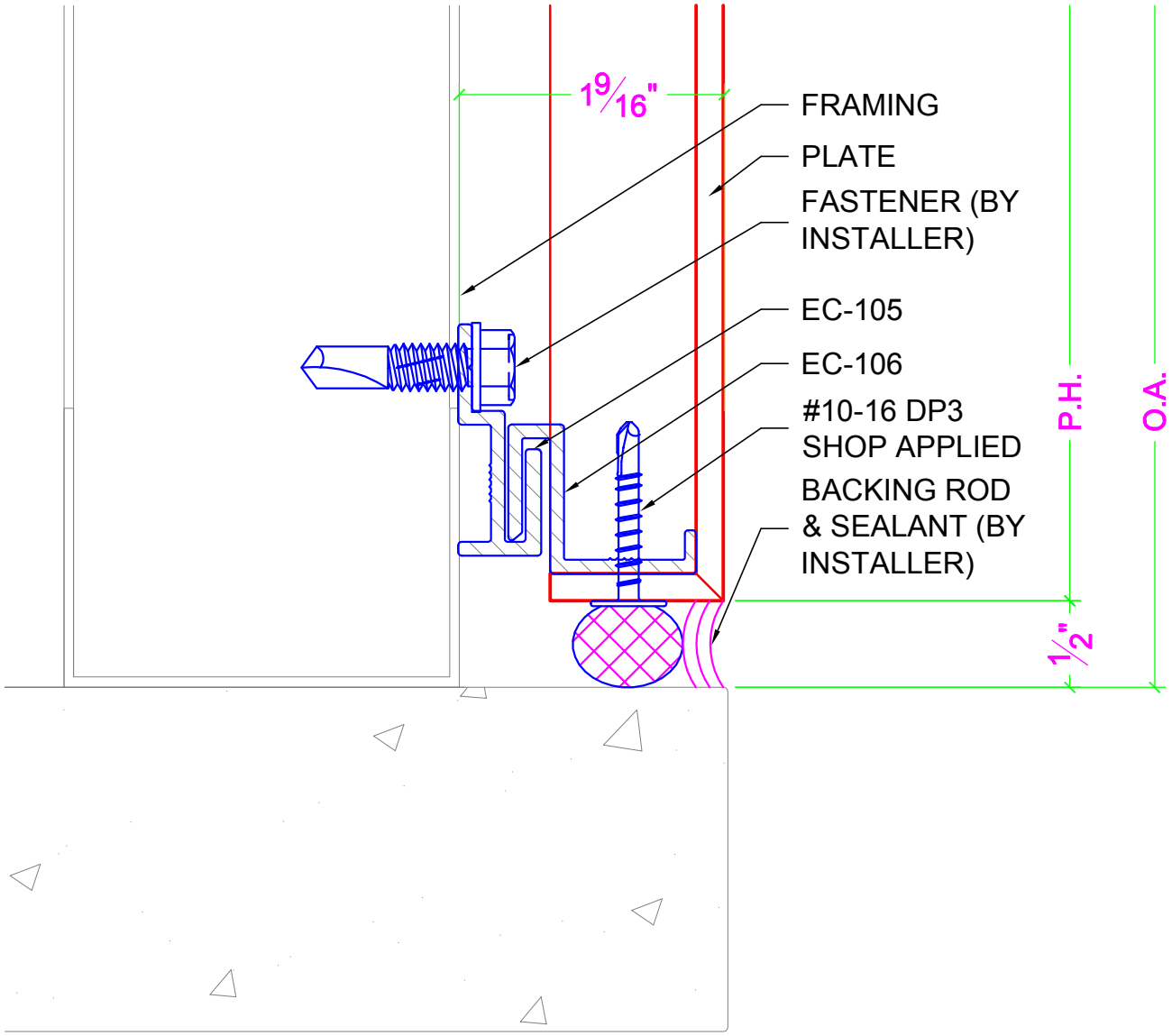
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



SILL CONDITION

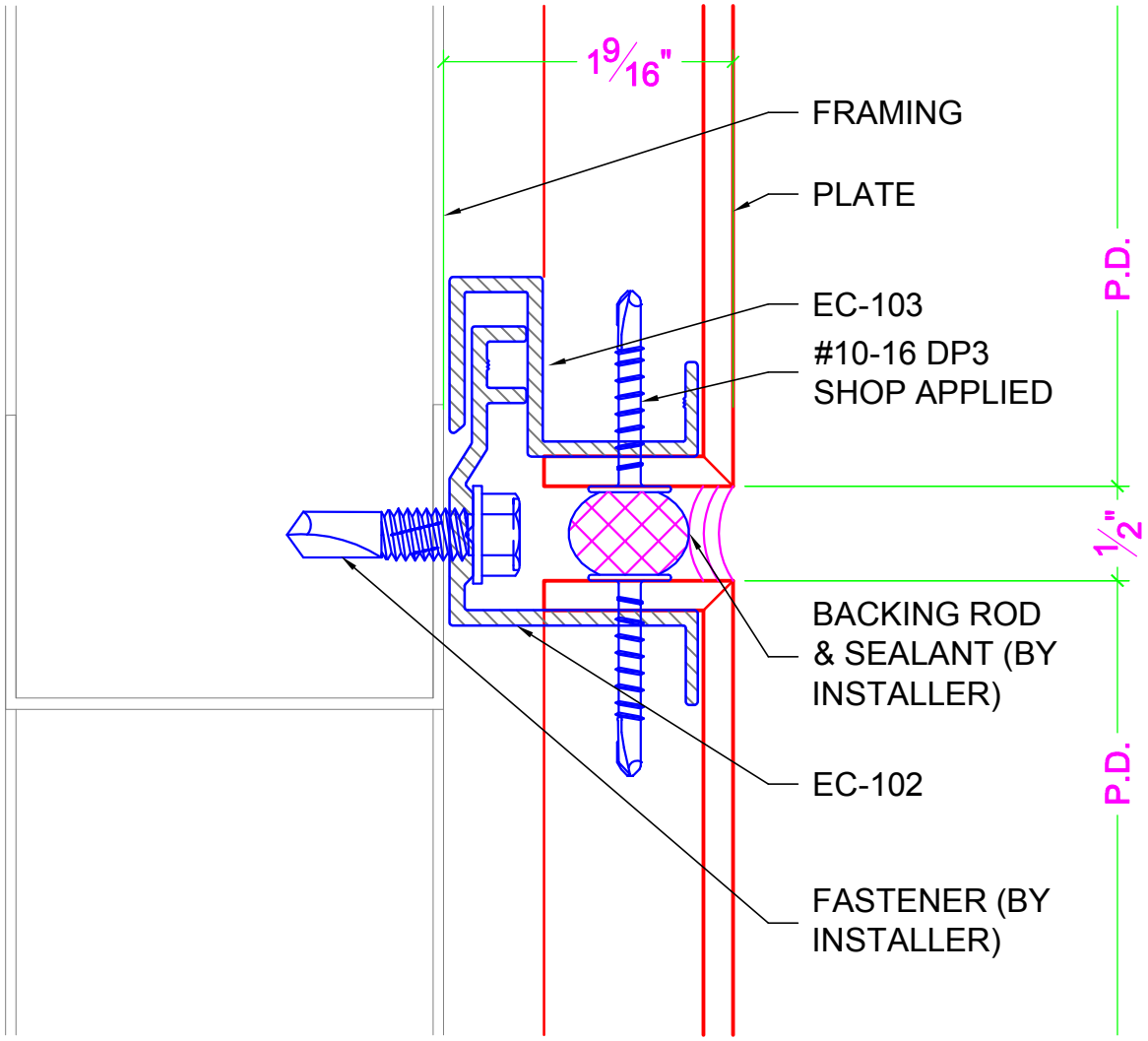
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



HORIZONTAL/VERTICALJOINT

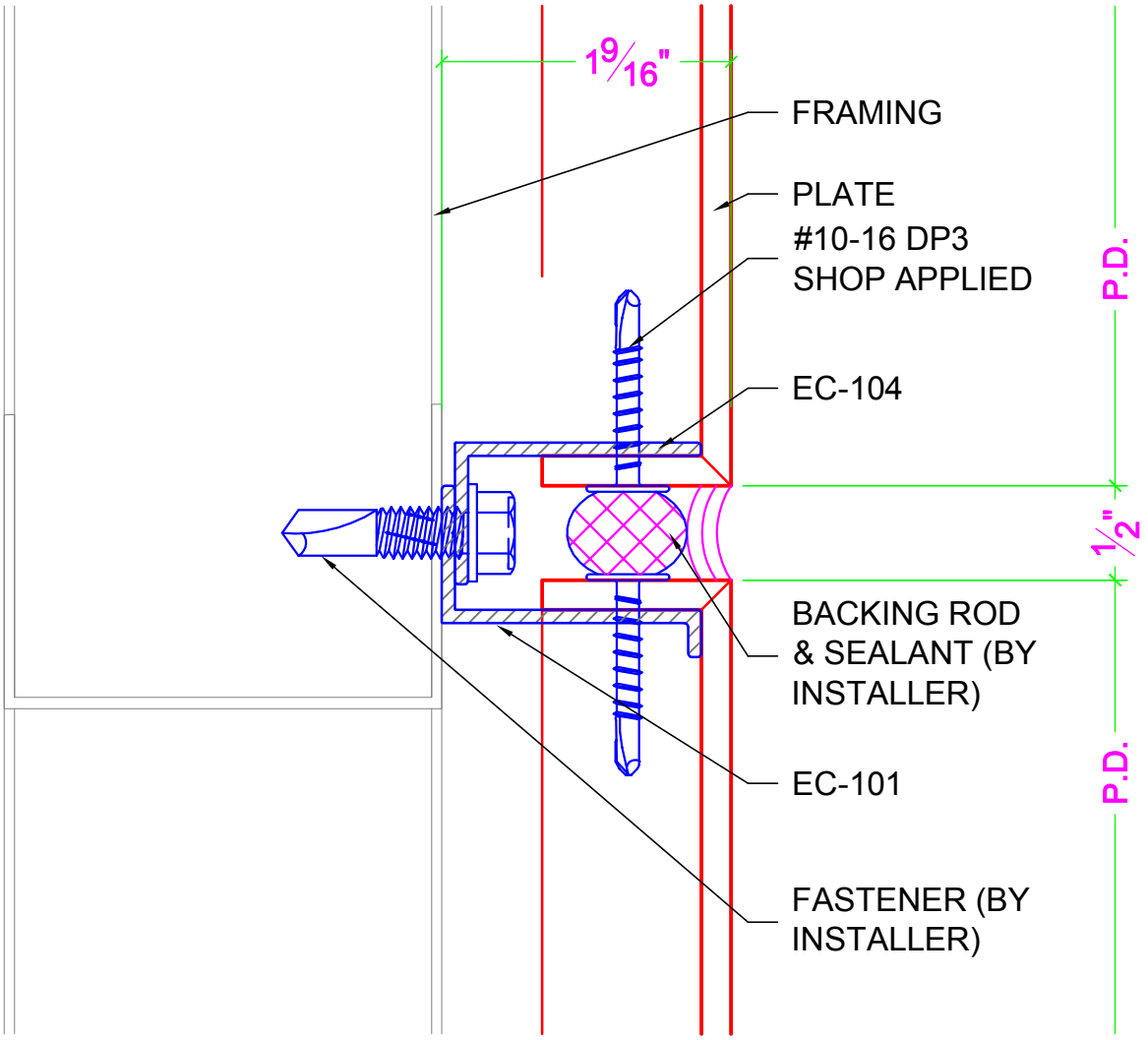
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



HORIZONTAL/VERTICALJOINT

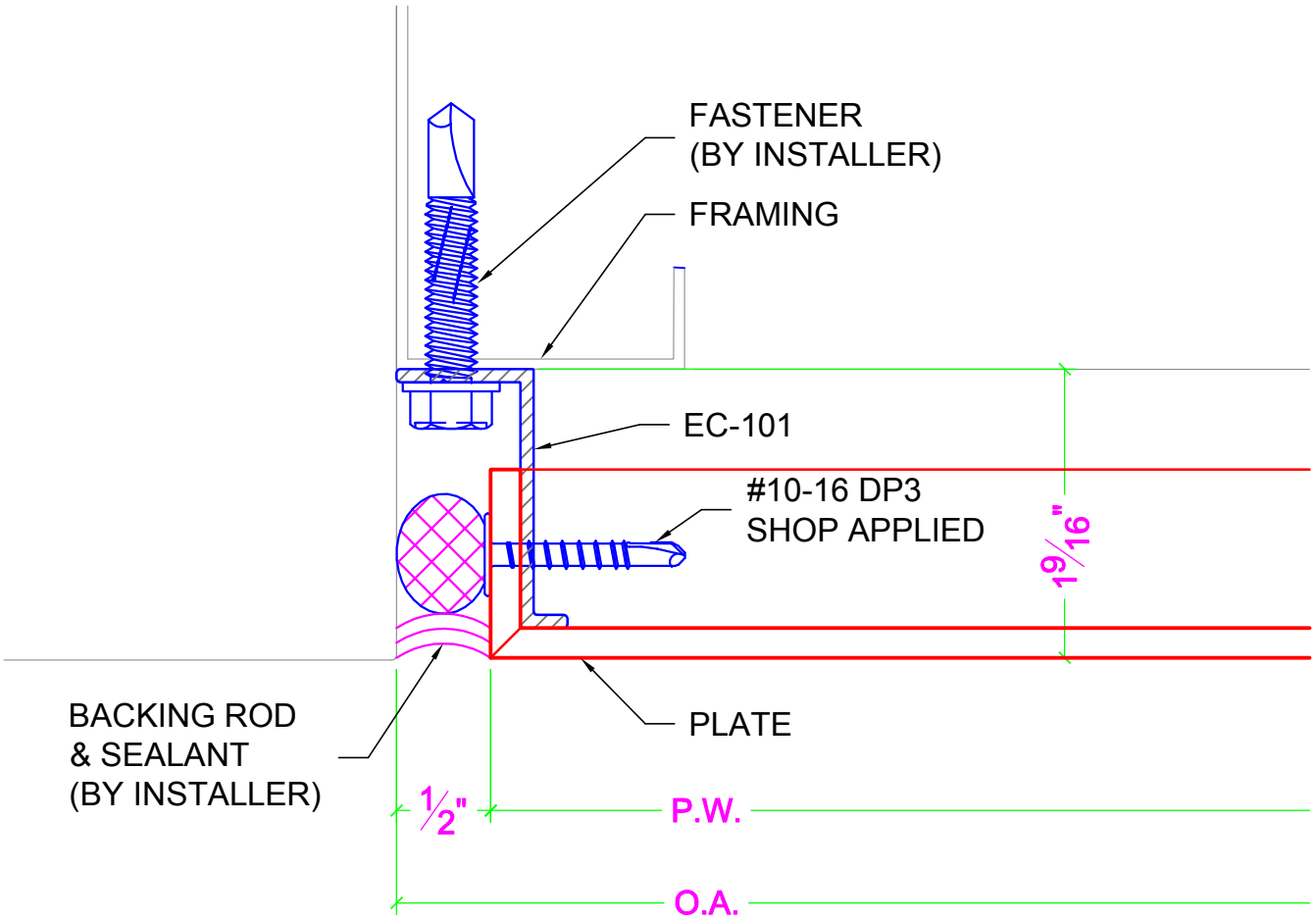
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



EDGE CONDITION

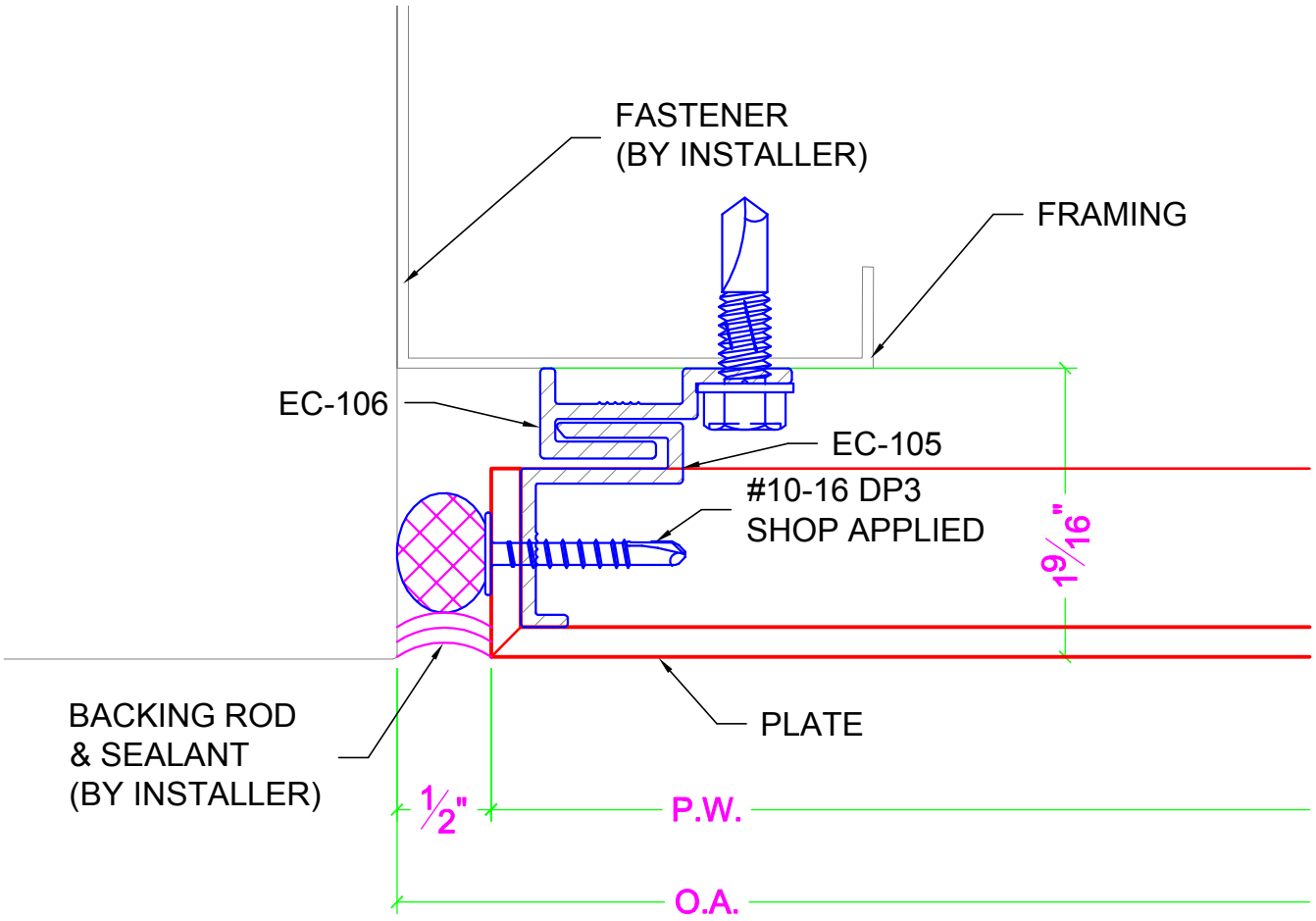
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



EDGE CONDITION

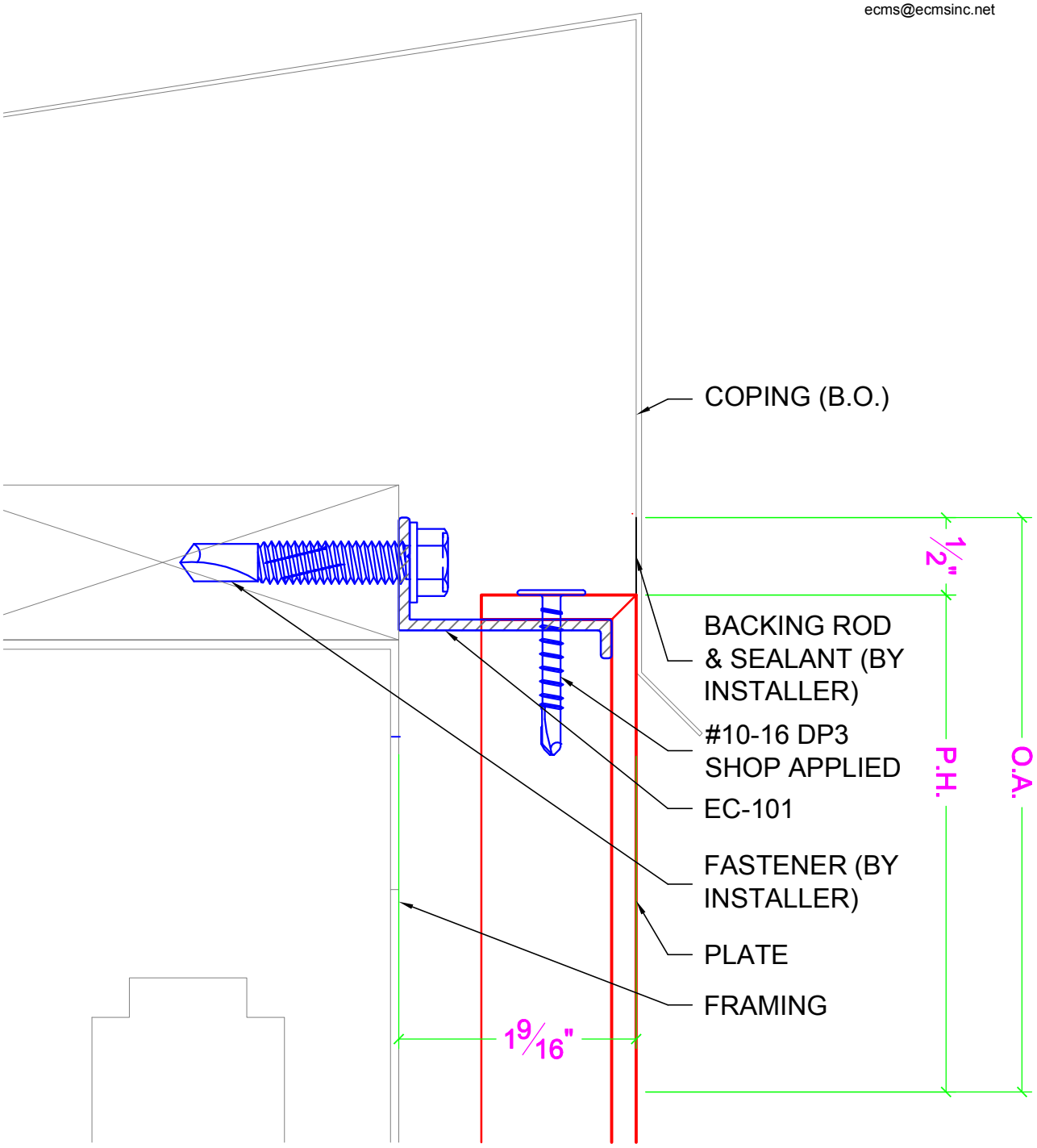
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



PARAPET CONDITION WITH DISSIMILAR MATERIAL

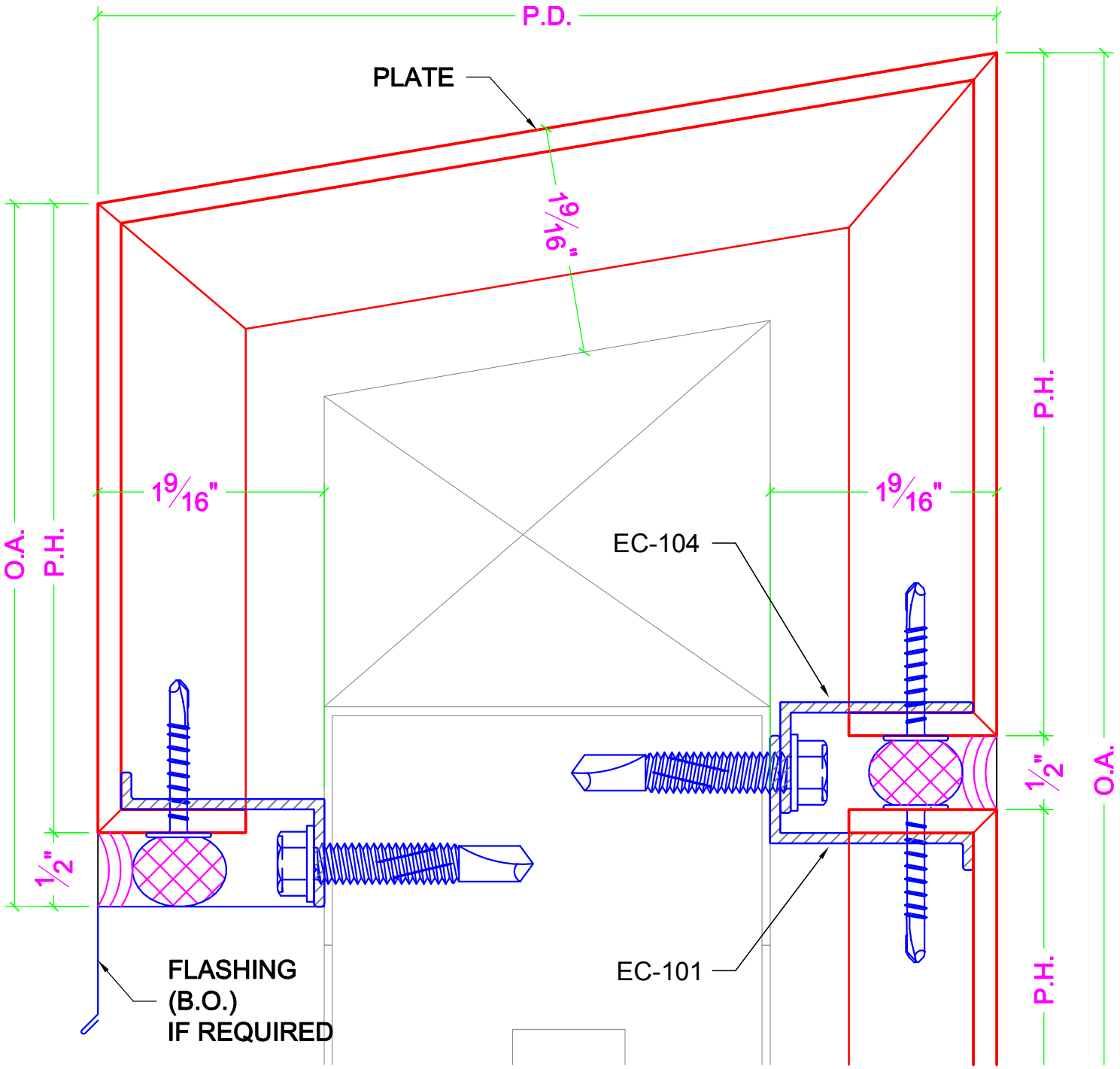
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

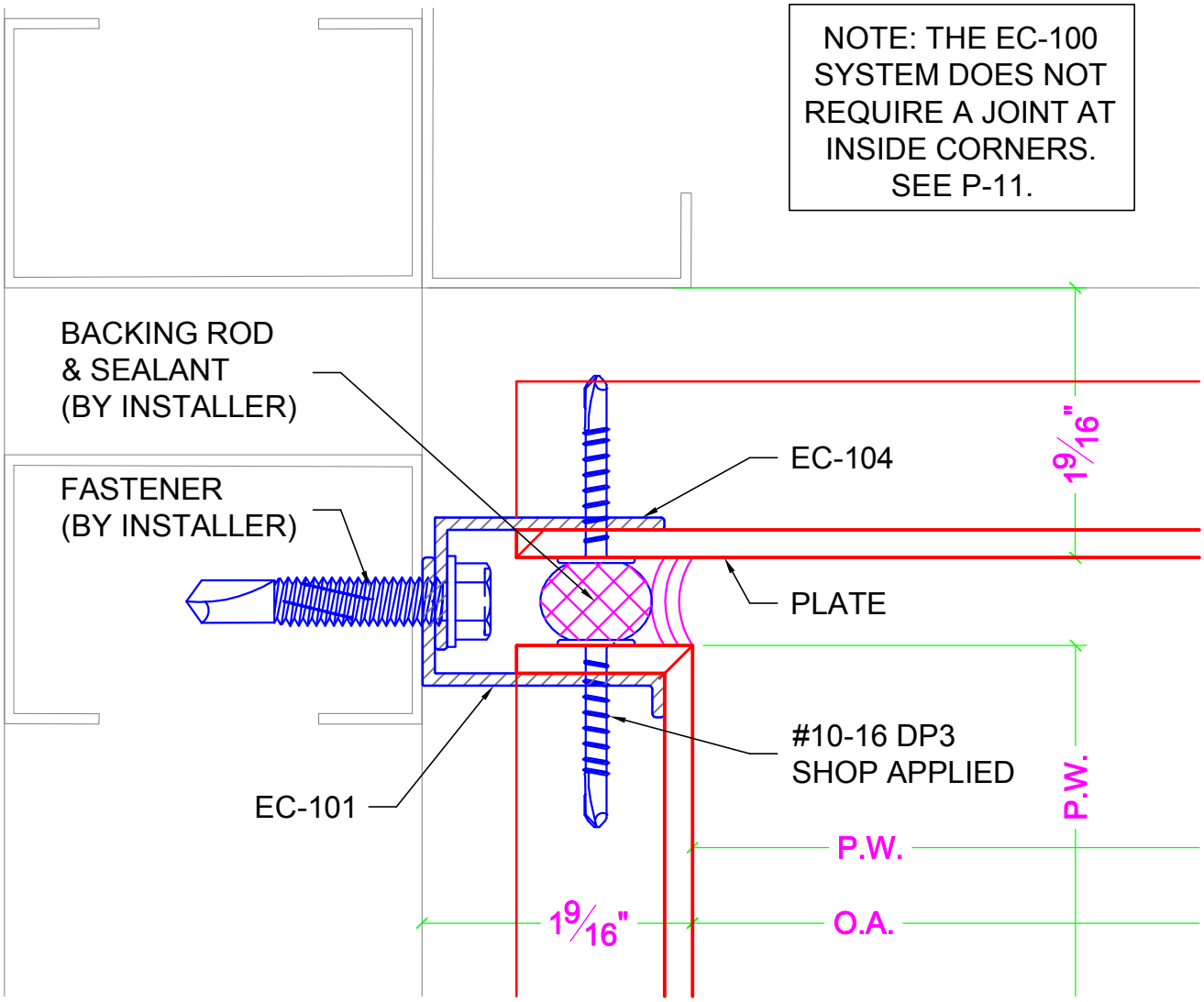
P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



PARAPET CONDITION WITH PLATE COPING

1:1

EAST COAST METAL SYSTEMS



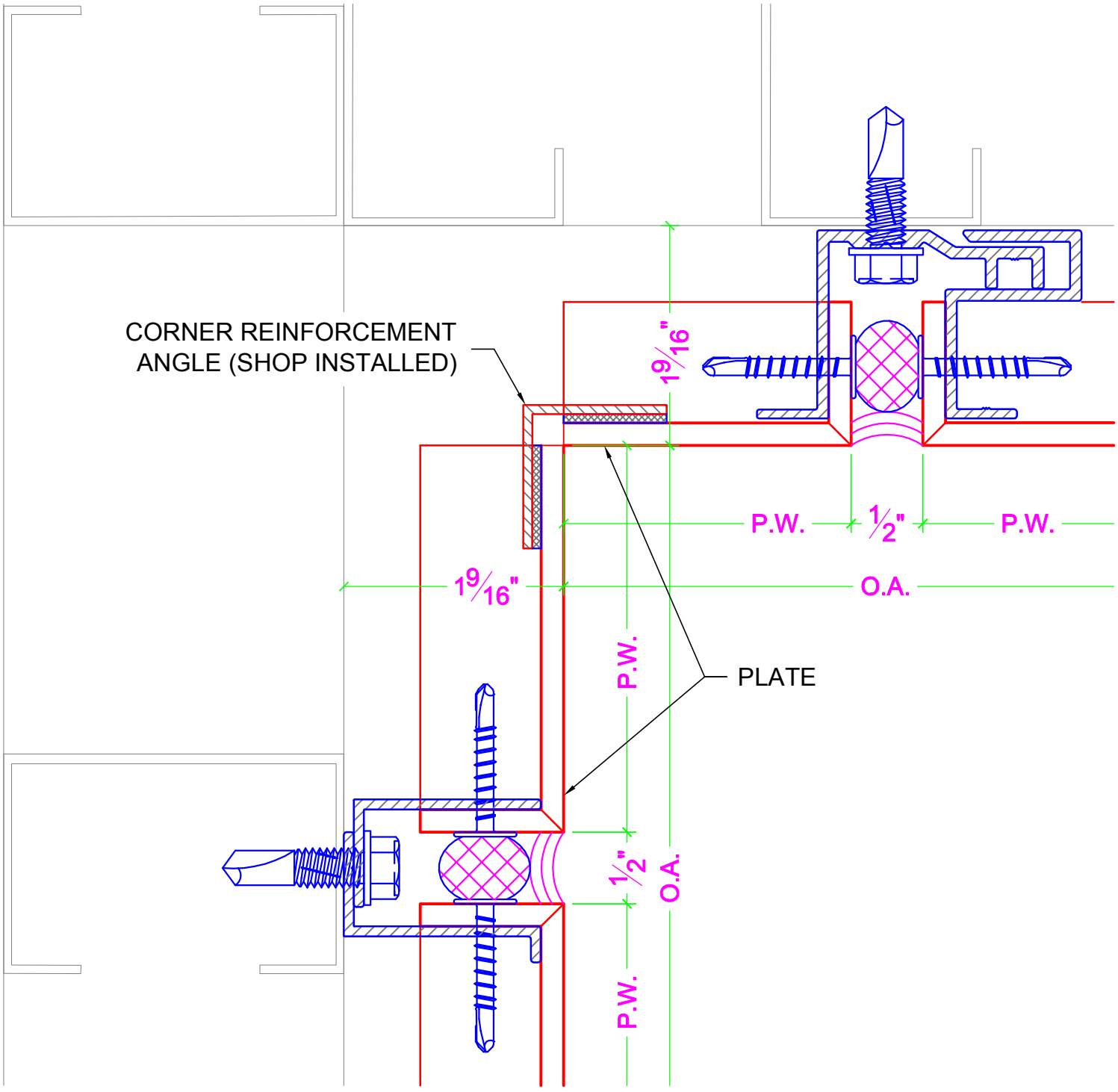
INSIDE CORNER CONDITION WITH JOINT

1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS



INSIDE CORNER CONDITION
NO JOINT

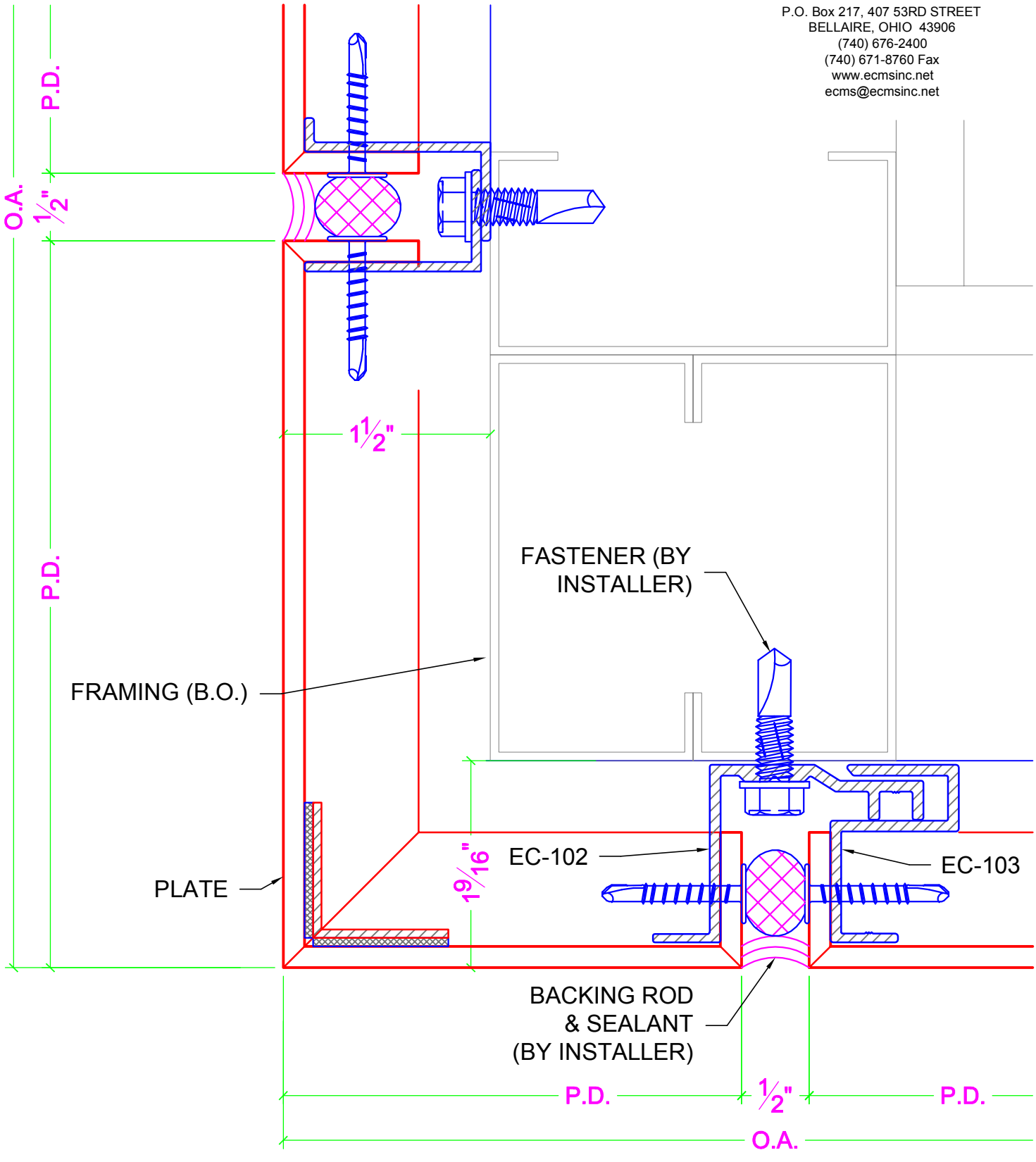
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



OUTSIDE CORNER/FASCIA SOFFIT

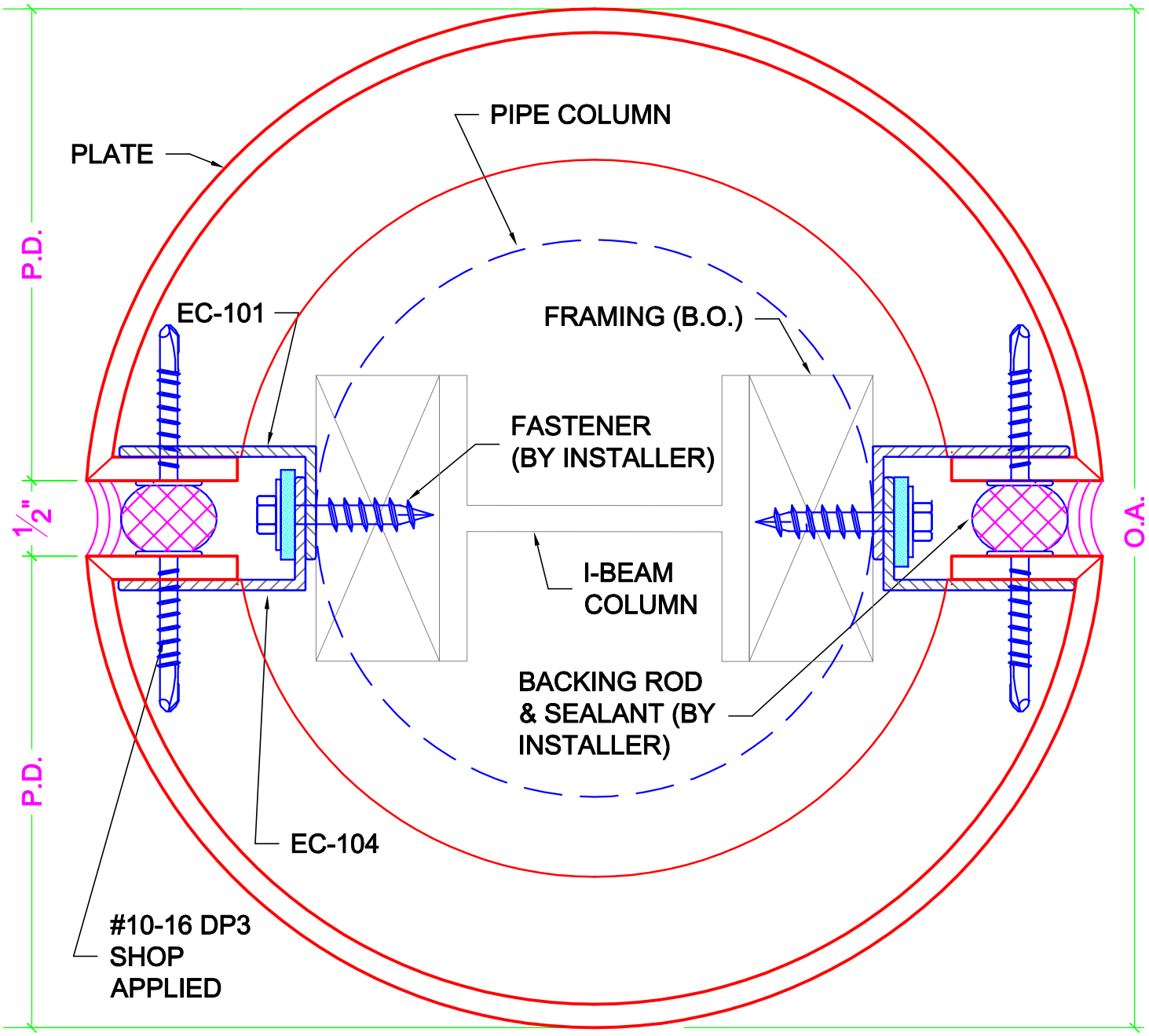
1:1

EC-150

ROUTE & RETURN CAULKED SYSTEM

EAST COAST METAL SYSTEMS

P.O. Box 217, 407 53RD STREET
BELLAIRE, OHIO 43906
(740) 676-2400
(740) 671-8760 Fax
www.ecmsinc.net
ecms@ecmsinc.net



CONDITION AT COLUMN

1:1