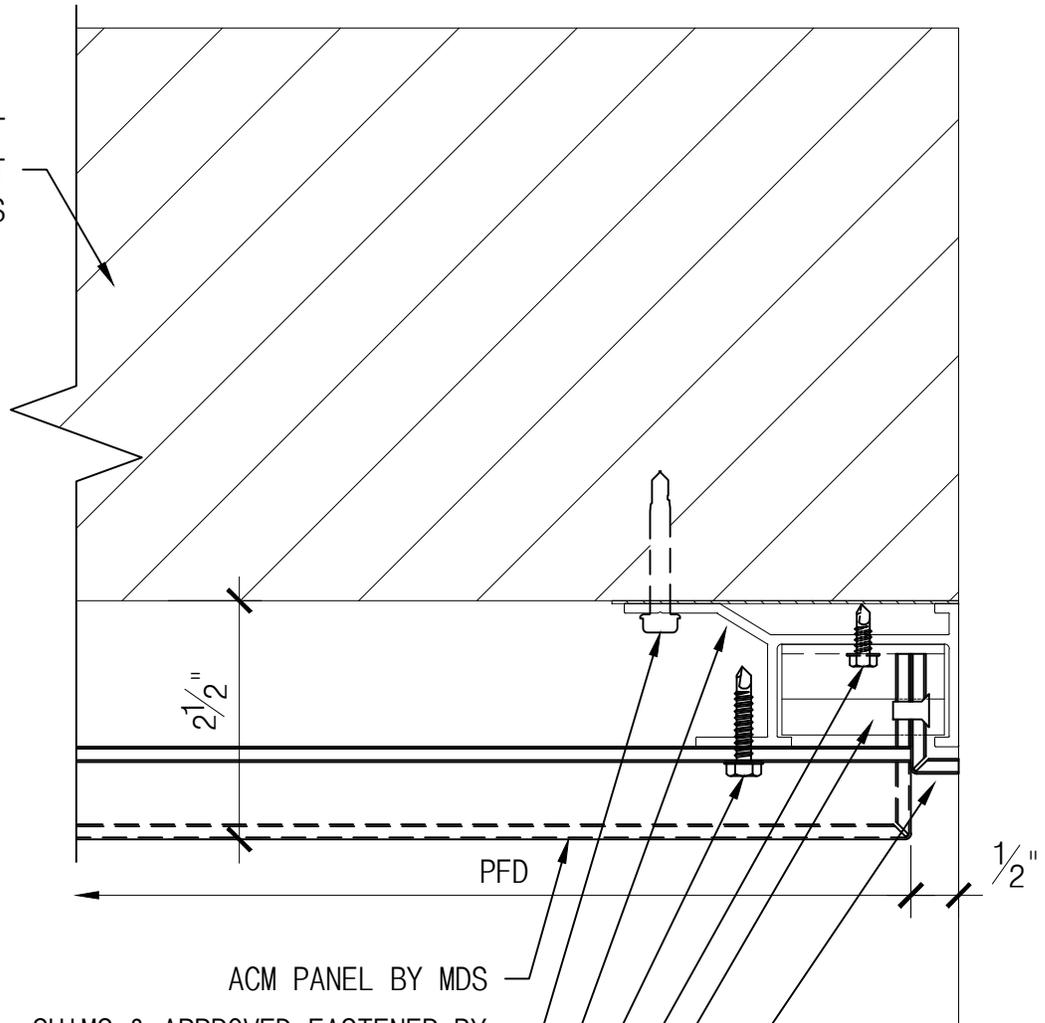


REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS



- ACM PANEL BY MDS
- SHIMS & APPROVED FASTENER BY INSTALLER (TYPE, SIZE, & QUANTITY TO BE APPROPRIATE FOR CONDITIONS)
- #7203 PERIMETER MULLION BY MDS
- #7020 ANCHOR FASTENER BY MDS
- #7218 FASTENER BY MDS
- #7228 PIN ASSEMBLY BY MDS
- OPTIONAL ACM FILLER W FACTORY INSTALLED STAINLESS STEEL RIVET

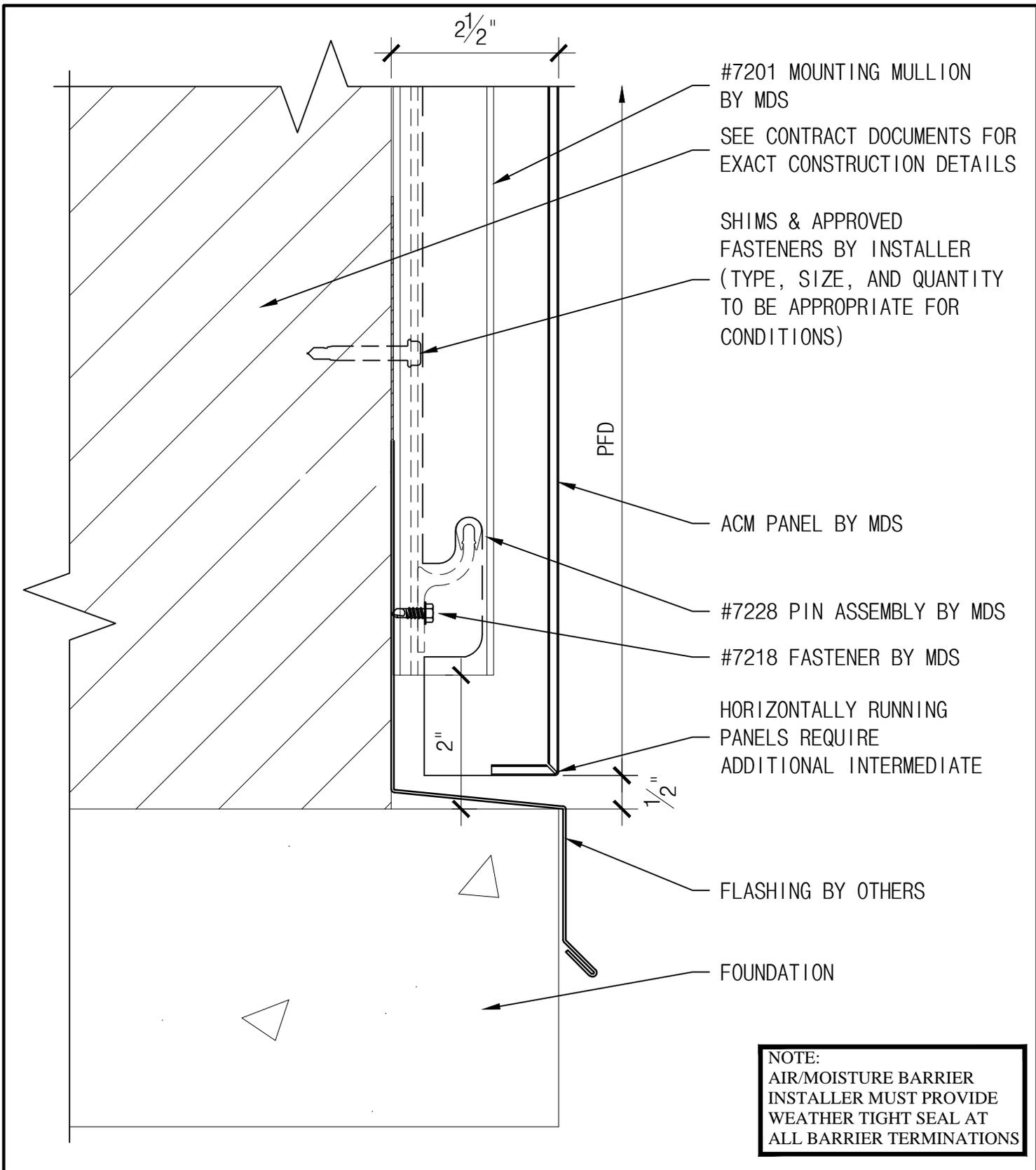
NOTE:
AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAL DESIGN SYSTEMS. ANY REPRODUCTION, IN PART OR WHOLE, WITHOUT THE WRITTEN PERMISSION OF METAL DESIGN SYSTEMS IS PROHIBITED.



METAL DESIGN SYSTEMS
4150 C Street S.W.
CEDAR RAPIDS, IA. 52404
Ph. (319) 362-7454

| | | |
|---|-------------------------------------|------------------------|
| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION STANDARD TERMINATION DETAIL | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-01 | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |



#7201 MOUNTING MULLION
BY MDS
SEE CONTRACT DOCUMENTS FOR
EXACT CONSTRUCTION DETAILS

SHIMS & APPROVED
FASTENERS BY INSTALLER
(TYPE, SIZE, AND QUANTITY
TO BE APPROPRIATE FOR
CONDITIONS)

ACM PANEL BY MDS
#7228 PIN ASSEMBLY BY MDS
#7218 FASTENER BY MDS

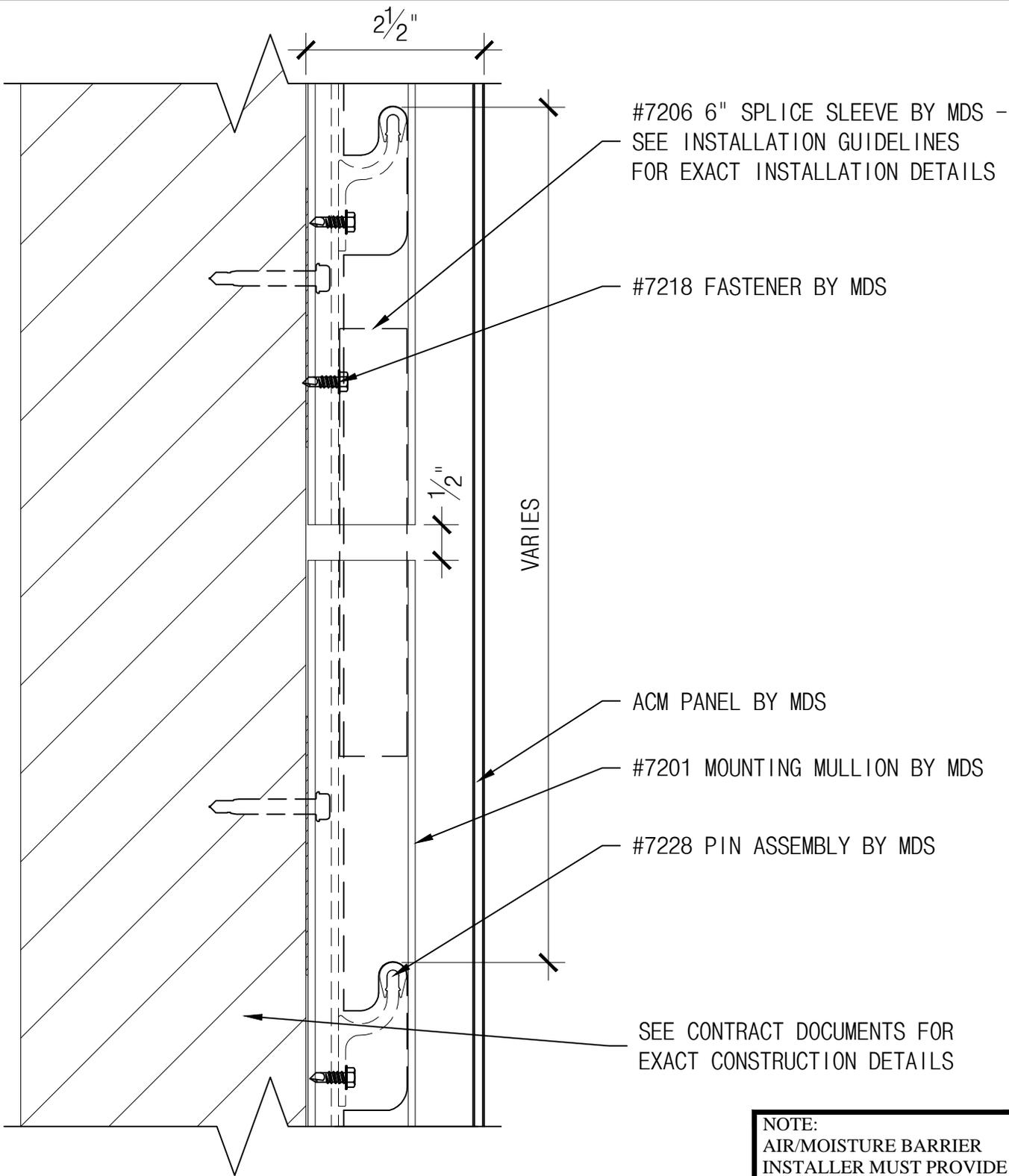
HORIZONTALLY RUNNING
PANELS REQUIRE
ADDITIONAL INTERMEDIATE

FLASHING BY OTHERS

FOUNDATION

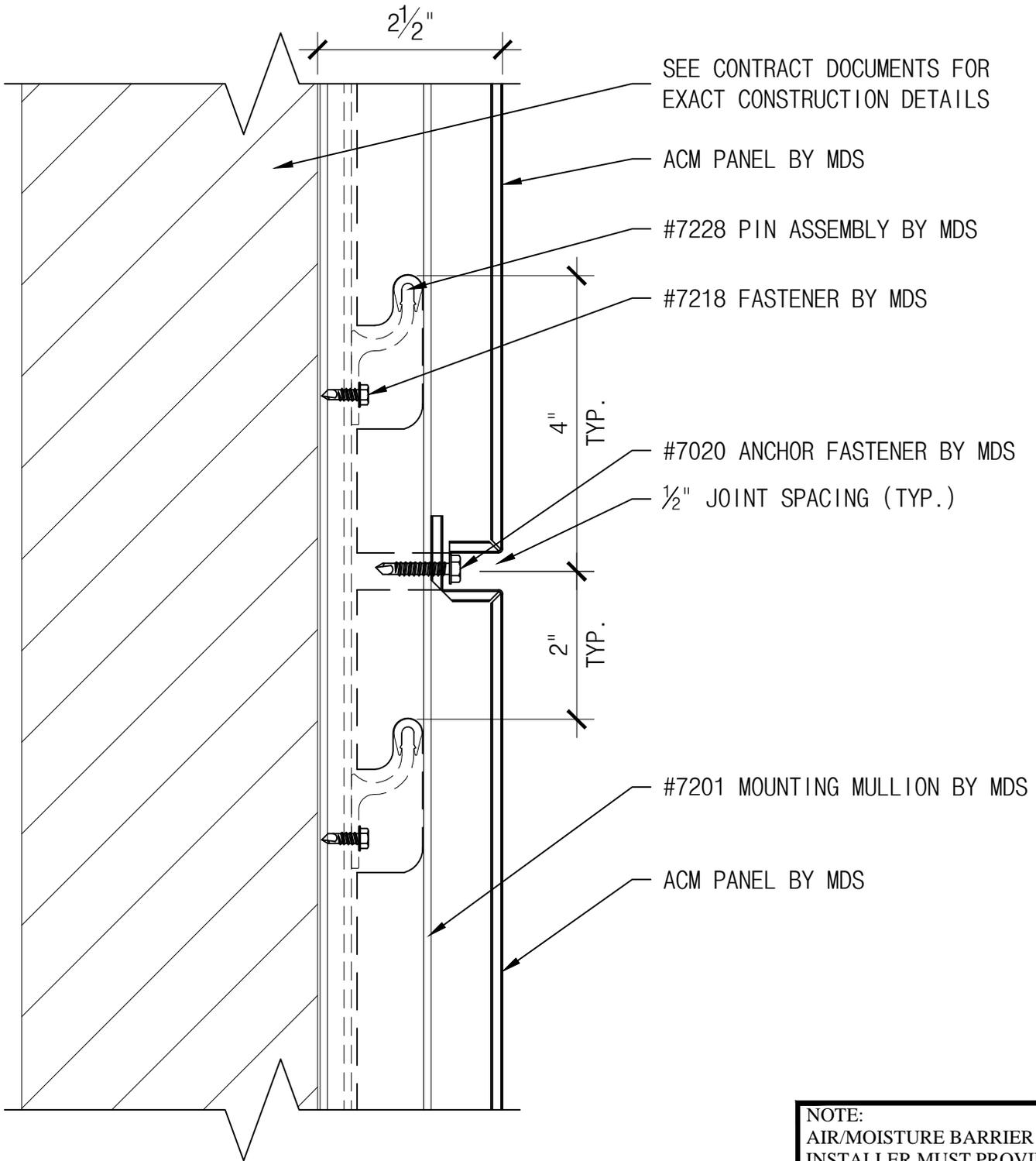
NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
WEATHER TIGHT SEAL AT
ALL BARRIER TERMINATIONS

| | | | | | | | |
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION TERMINATION @ FOUND. DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-02 | DATE 5.30.13 | |
| | | | | SCALE 6" = 1'-0" | | DRAWN BY | |



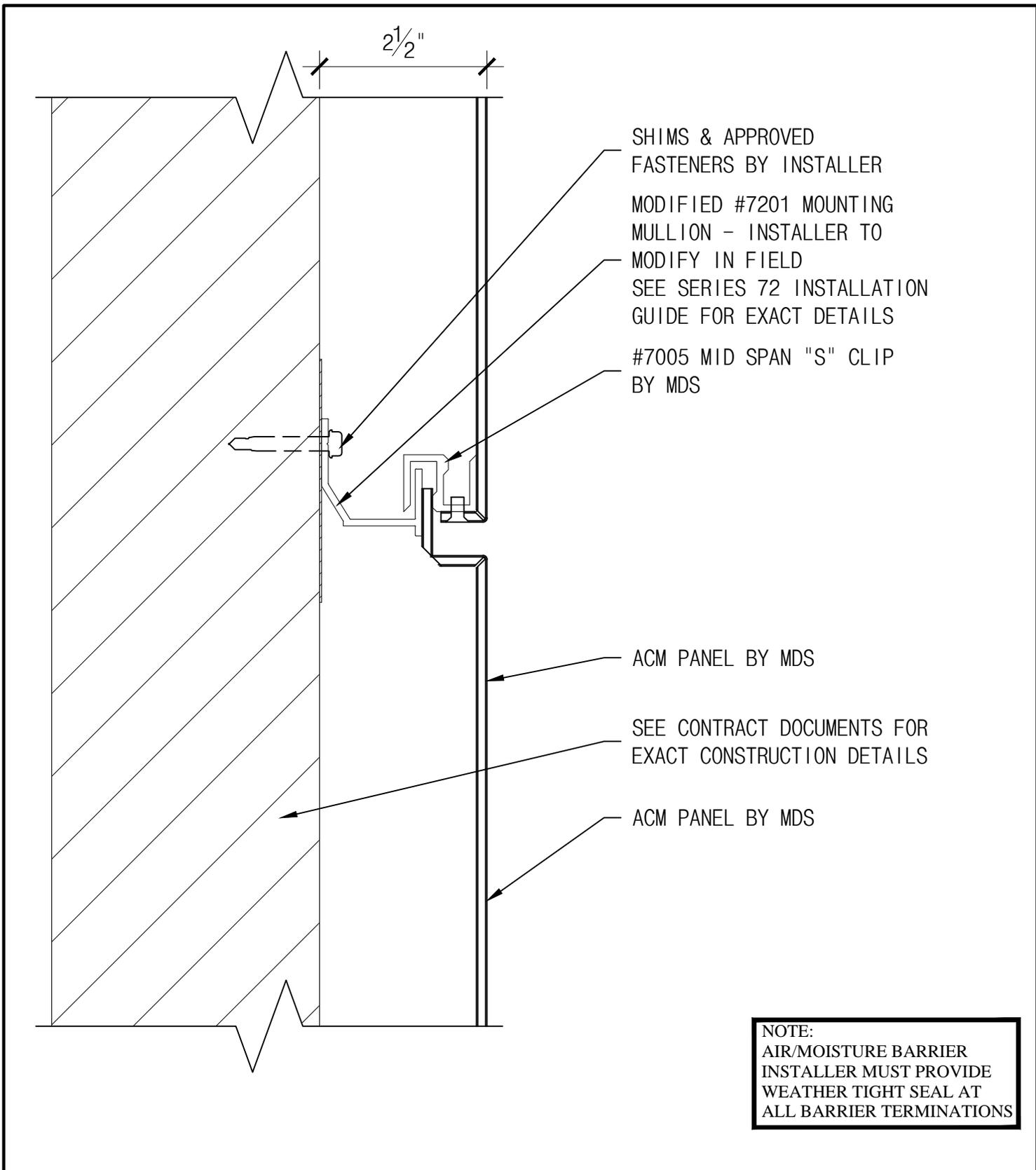
NOTE:
 AIR/MOISTURE BARRIER
 INSTALLER MUST PROVIDE
 WEATHER TIGHT SEAL AT
 ALL BARRIER TERMINATIONS

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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION MULLION SPLICE DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-03 | DATE 5.30.13 | |
| | | | | SCALE 6" = 1'-0" | DRAWN BY | | |



NOTE:
 AIR/MOISTURE BARRIER
 INSTALLER MUST PROVIDE
 WEATHER TIGHT SEAL AT
 ALL BARRIER TERMINATIONS

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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION HORIZONTAL JOINT DETAIL (TYP.) | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-04A | DATE 5.30.13 |
| | | SCALE 6" = 1'-0" | | DRAWN BY | | |



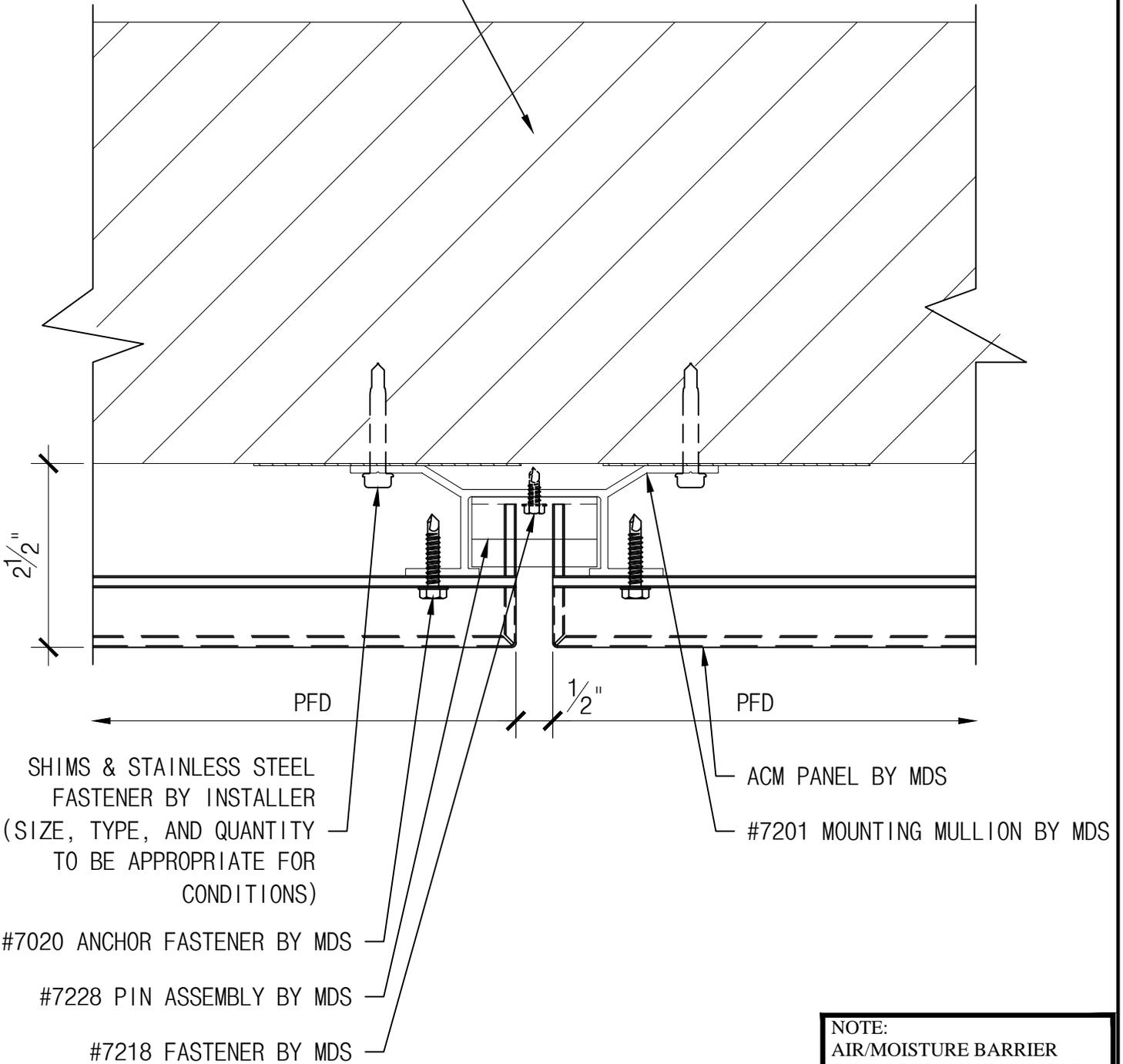
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAL DESIGN SYSTEMS. ANY REPRODUCTION, IN PART OR WHOLE, WITHOUT THE WRITTEN PERMISSION OF METAL DESIGN SYSTEMS IS PROHIBITED.



METAL DESIGN SYSTEMS
 4150 C Street S.W.
 CEDAR RAPIDS, IA. 52404
 Ph. (319) 362-7454

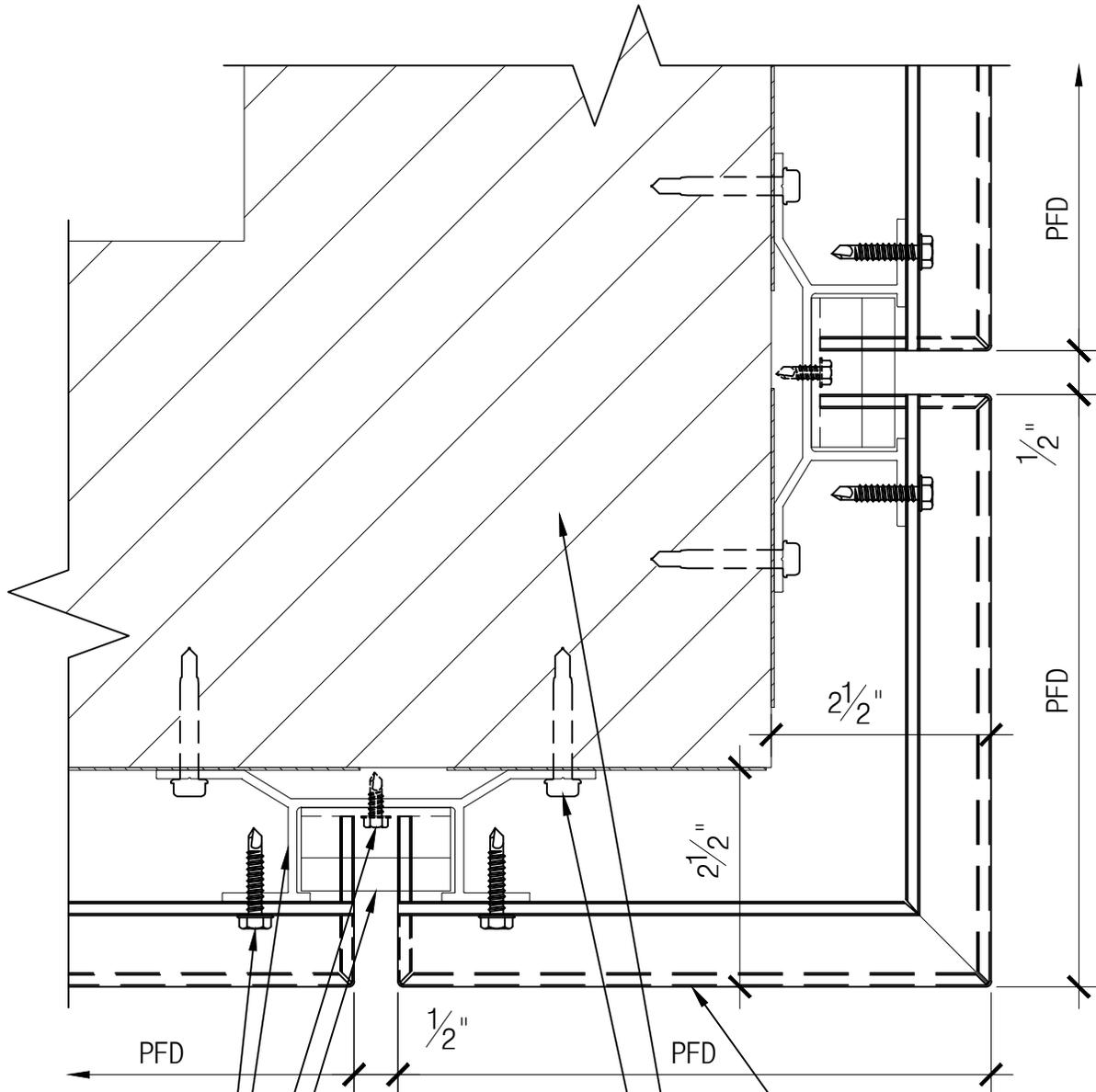
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| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION MID SPAN JOINT DETAIL (TYP.) | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-04B | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |

REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS



NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
WEATHER TIGHT SEAL AT
ALL BARRIER TERMINATIONS

| | | | | | | | |
|--|--|--|--|-------------------------------------|----------------------------|------------------------|----------|
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| | | DRAWING DESCRIPTION VERTICAL JOINT DETAIL (TYP.) | | | | | |
| | | PROJECT NUMBER | | DRAWING NUMBER S72-ACM-05 | | DATE 5.30.13 | |
| | | MATERIAL | | | SCALE 6" = 1'-0" | | DRAWN BY |



- #7020 ANCHOR FASTENER BY MDS
- #7201 MOUNTING MULLION BY MDS
- #7218 FASTENER BY MDS
- #7228 PIN ASSEMBLY BY MDS

ACM PANEL BY MDS

REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS
SHIMS & APPROVED FASTENERS BY INSTALLER (SIZE, TYPE, AND QUANTITY TO BE APPROPRIATE FOR CONDITIONS)

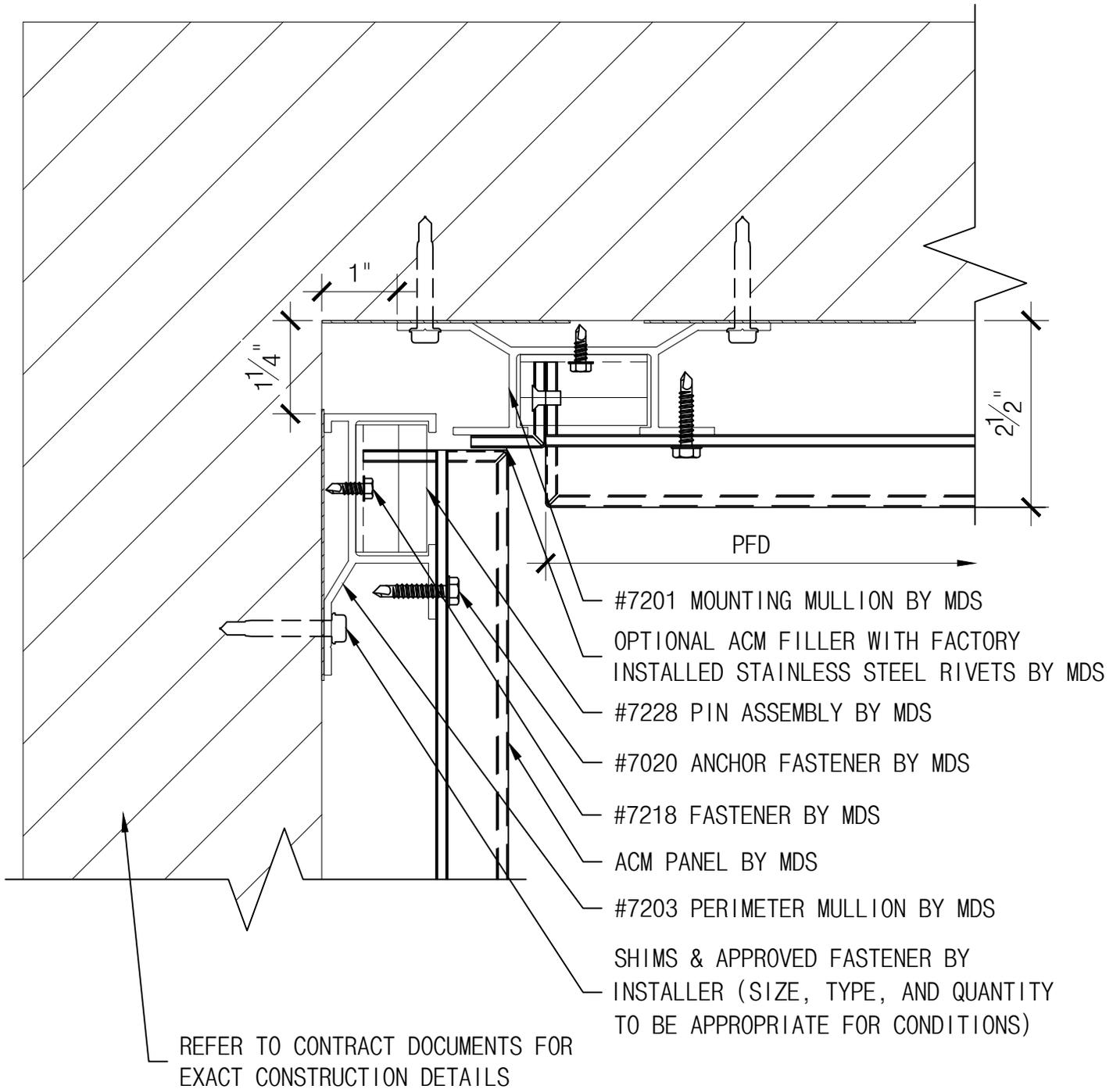
NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
WEATHER TIGHT SEAL AT
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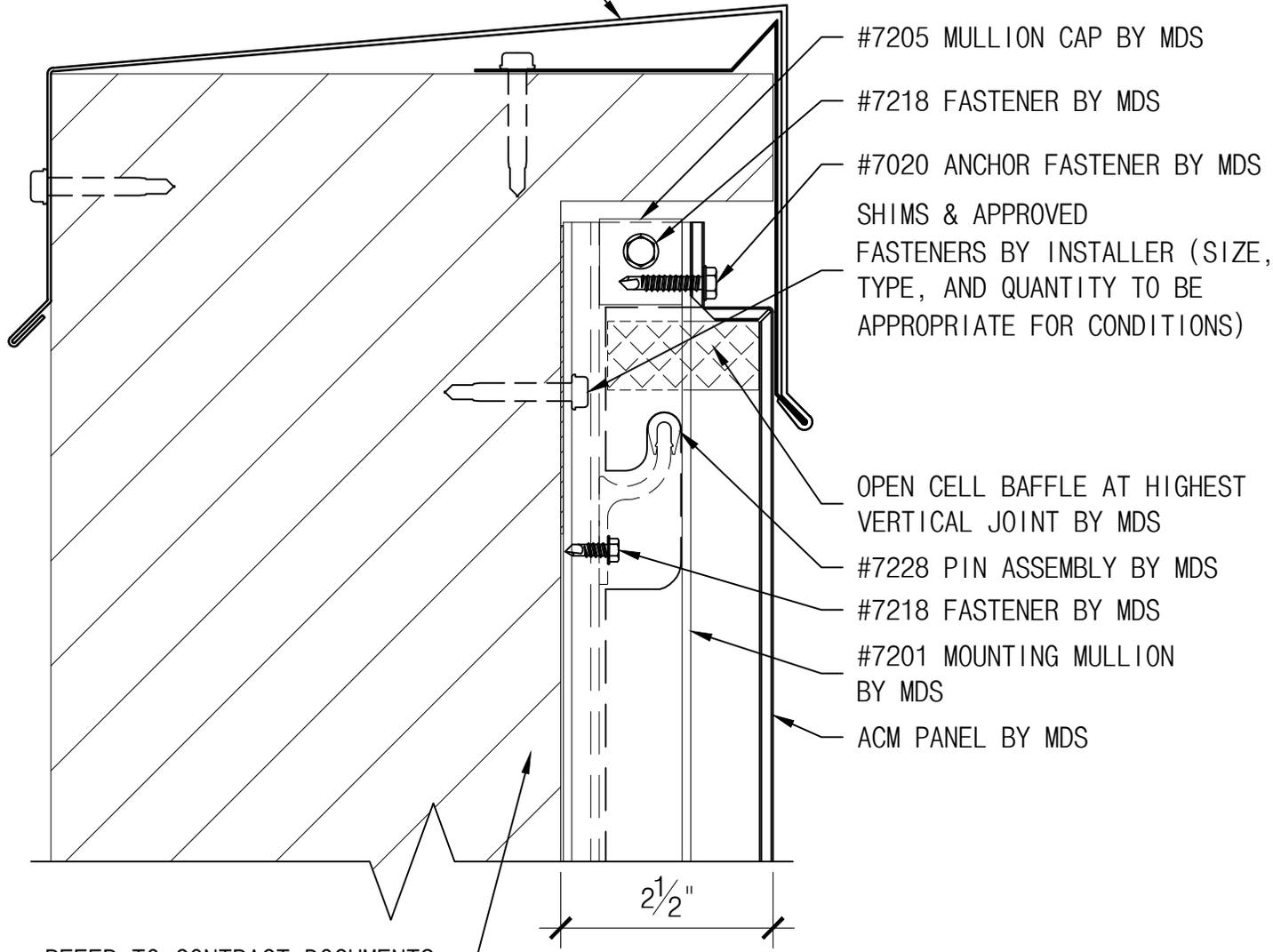
| | | |
|--|-------------------------------------|------------------------|
| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION OUTSIDE CORNER DETAIL (TYP.) | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-06 | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |



NOTE:
 AIR/MOISTURE BARRIER
 INSTALLER MUST PROVIDE
 WEATHER TIGHT SEAL AT
 ALL BARRIER TERMINATIONS

| | | | | | | | |
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| <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF METAL DESIGN SYSTEMS. ANY REPRODUCTION, IN PART OR WHOLE, WITHOUT THE WRITTEN PERMISSION OF METAL DESIGN SYSTEMS IS PROHIBITED.</p> |  METAL DESIGN SYSTEMS <small>DESIGNED FOR A PERFECT FIT.</small> | METAL DESIGN SYSTEMS | | PROJECT SERIES 72 DETAILS | | | |
| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION INSIDE CORNER DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-07 | DATE 5.30.13 | |
| | | | | SCALE 6" = 1'-0" | DRAWN BY | | |

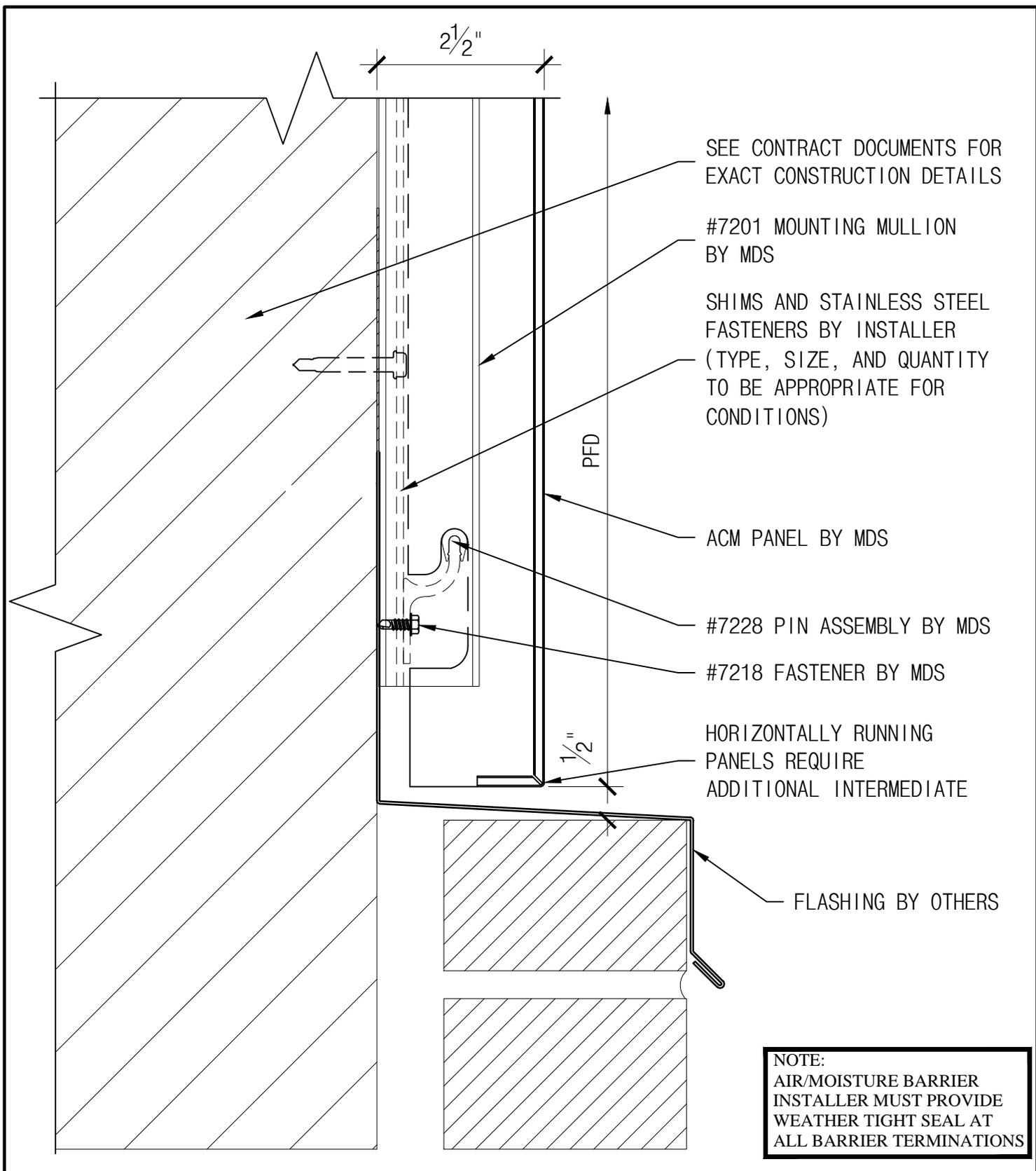
BREAK METAL COPING BY OTHERS
(ALL RELATED FASTENERS, BLOCKING,
AND SEALANTS BY INSTALLER)



REFER TO CONTRACT DOCUMENTS
FOR EXACT CONSTRUCTION DETAILS

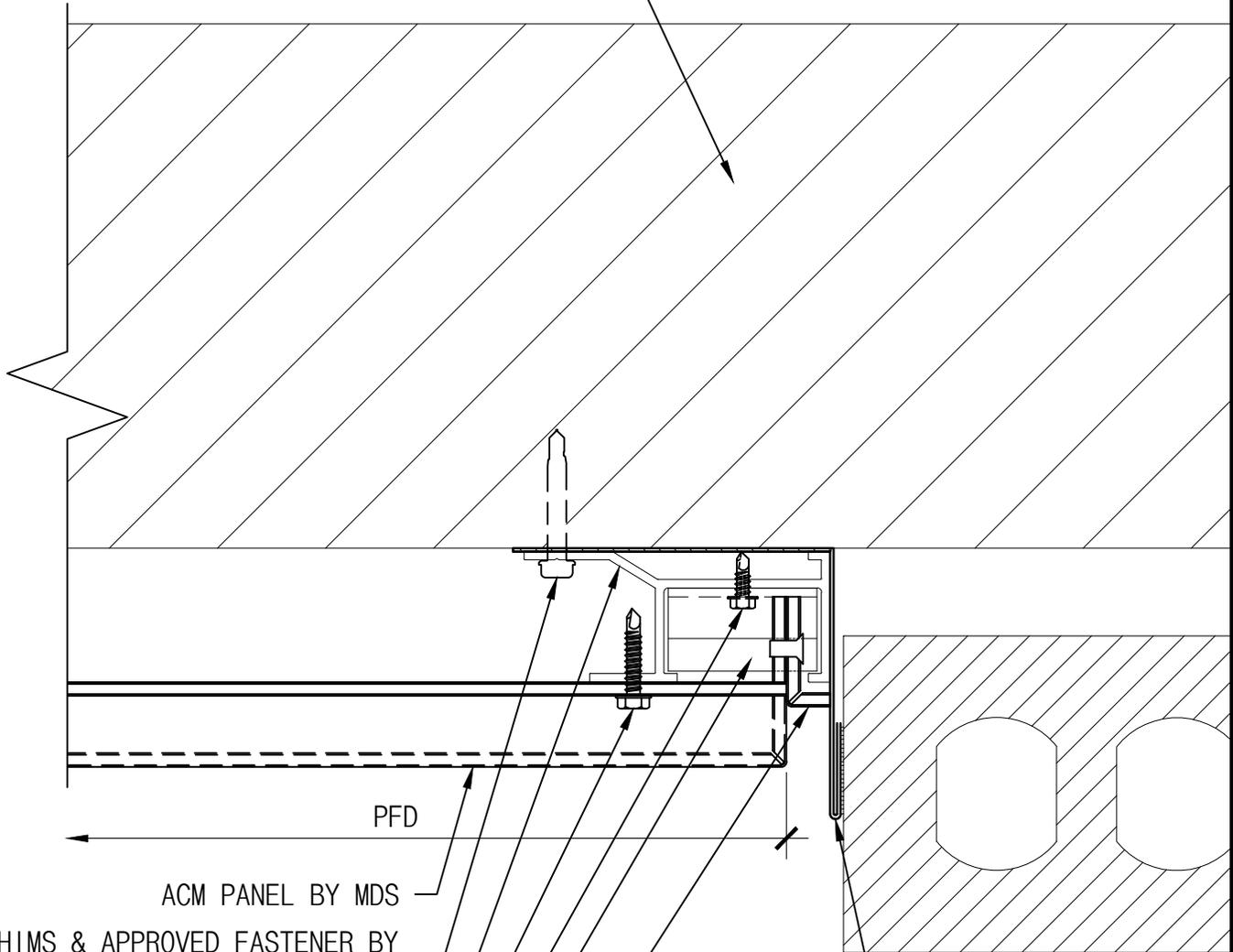
NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
WEATHER TIGHT SEAL AT
ALL BARRIER TERMINATIONS

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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION BREAK METAL COPING DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-08 | DATE 5.30.13 | |
| | | SCALE 6" = 1'-0" | | DRAWN BY | | | |



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| | | <p>4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454</p> | | <p>DRAWING DESCRIPTION MASONRY SILL DETAIL (TYP.)</p> | | |
| | | <p>MATERIAL</p> | | <p>PROJECT NUMBER</p> | <p>DRAWING NUMBER S72-ACM-09</p> | <p>DATE 5.30.13</p> |
| | | <p>SCALE 6" = 1'-0"</p> | | <p>DRAWN BY</p> | | |

REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS



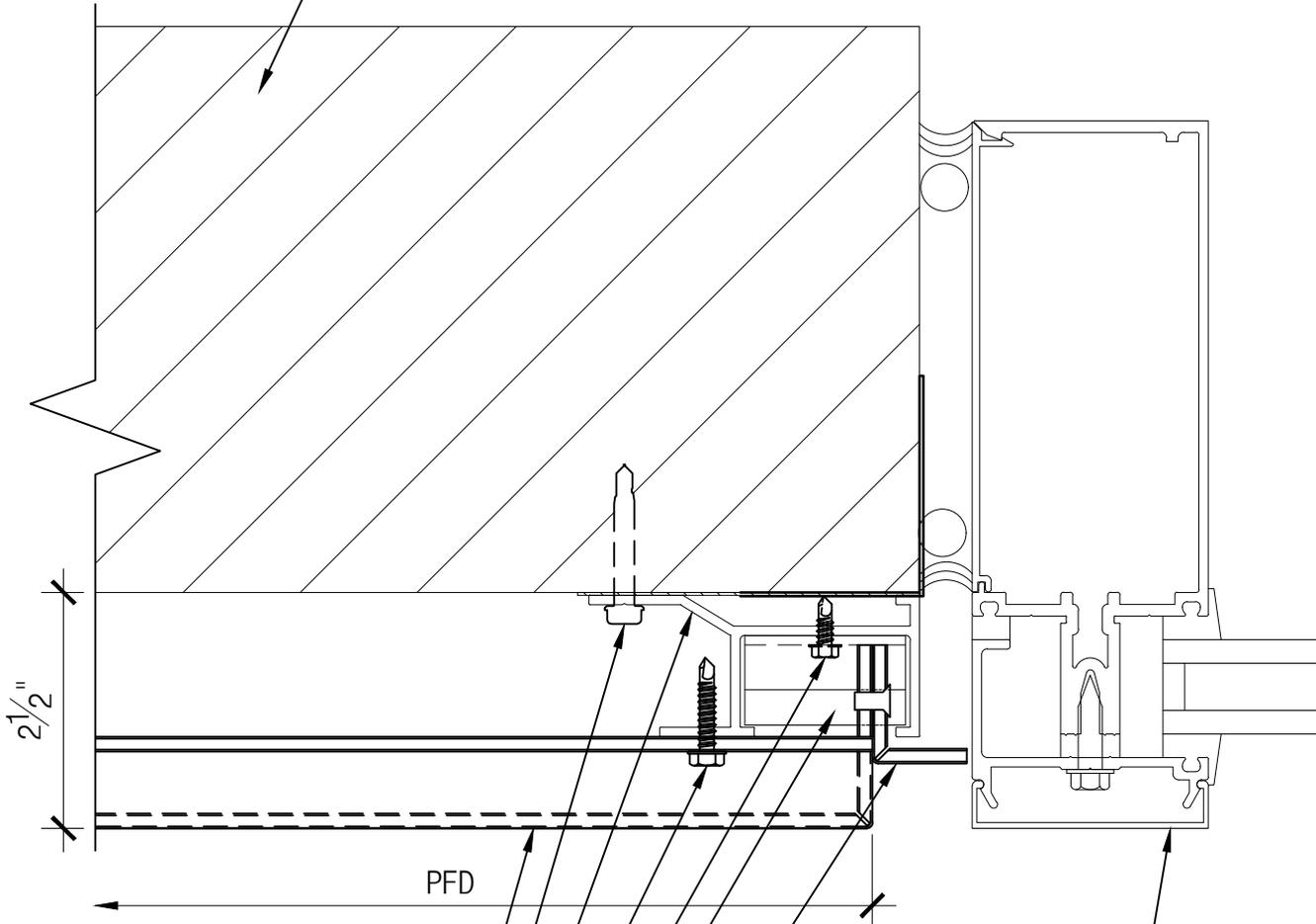
- ACM PANEL BY MDS
- SHIMS & APPROVED FASTENER BY INSTALLER (TYPE, SIZE, & QUANTITY TO BE APPROPRIATE FOR CONDITIONS)
- #7203 PERIMETER MULLION BY MDS
- #7020 ANCHOR FASTENER BY MDS
- #7218 FASTENER BY MDS
- #7228 PIN ASSEMBLY BY MDS
- OPTIONAL ACM FILLER W FACTORY INSTALLED STAINLESS STEEL RIVET BY MDS - TYPICAL 1/2" JOINT REVEAL

FLASHING, SEALANT, AND BACKER ROD BETWEEN MASONRY AND EXTRUSION BY OTHERS

NOTE:
AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

| | | | | | |
|--|--|---|---------------------------------------|---------|--|
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | SERIES 72 DETAILS | | |
| | | | DRAWING DESCRIPTION | | |
| | | | PANEL TO MASONRY DETAIL (TYP.) | | |
| | | PROJECT NUMBER | DRAWING NUMBER | DATE | |
| | | | S72-ACM-10 | 5.30.13 | |
| | MATERIAL | SCALE | DRAWN BY | | |
| | | 6" = 1'-0" | | | |

REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS



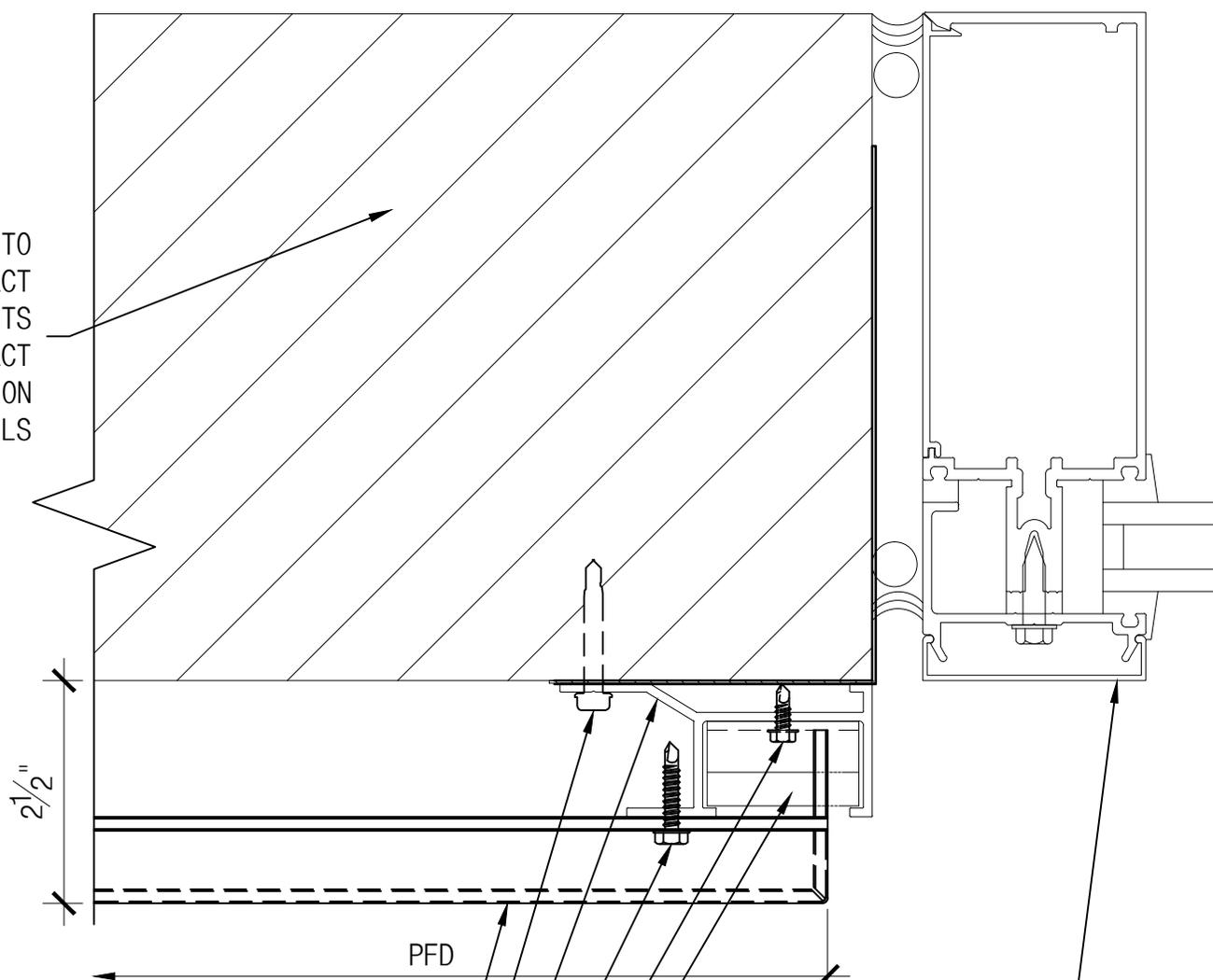
- ACM PANEL BY MDS
- SHIMS & APPROVED FASTENER BY INSTALLER (TYPE, SIZE, & QUANTITY TO BE APPROPRIATE FOR CONDITIONS)
- #7203 PERIMETER MULLION BY MDS
- #7020 ANCHOR FASTENER BY MDS
- #7218 FASTENER BY MDS
- #7228 PIN ASSEMBLY BY MDS
- OPTIONAL ACM FILLER W FACTORY INSTALLED STAINLESS STEEL RIVET BY MDS

WINDOW/DOOR SYSTEM AND ALL RELATED FLASHING, BLOCKING, AND SEALANT BY OTHERS

NOTE:
AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | SERIES 72 DETAILS | | |
| | | | DRAWING DESCRIPTION | | |
| | | | WINDOW/DOOR JAMB DETAIL (TYP.) | | |
| | | PROJECT NUMBER | DRAWING NUMBER | DATE | |
| | | | S72-ACM-11A | 5.30.13 | |
| | MATERIAL | SCALE | DRAWN BY | | |
| | | 6" = 1'-0" | | | |

REFER TO
CONTRACT
DOCUMENTS
FOR EXACT
CONSTRUCTION
DETAILS

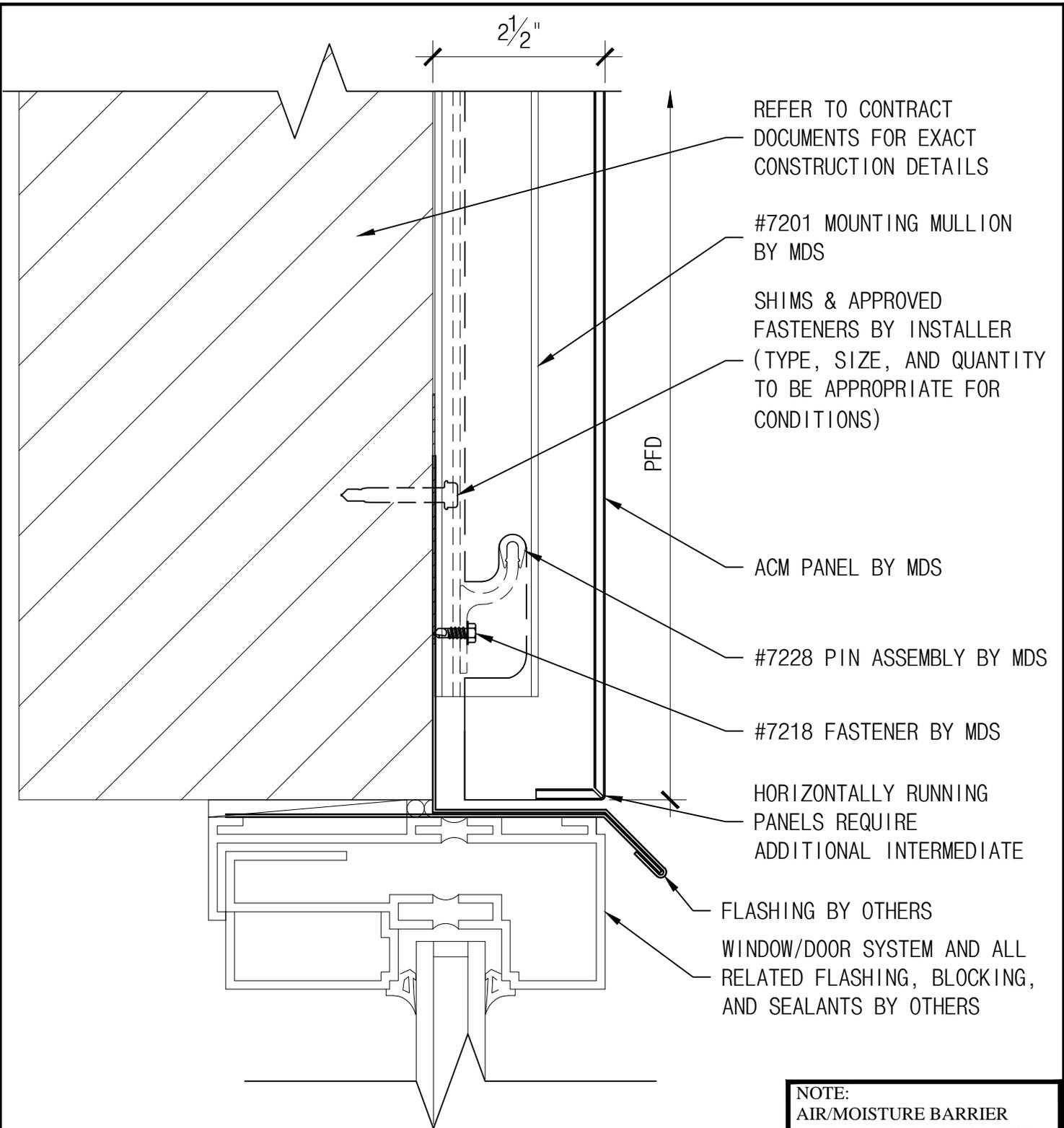


- ACM PANEL BY MDS
- SHIMS & APPROVED FASTENER BY
INSTALLER (TYPE, SIZE, & QUANTITY
TO BE APPROPRIATE FOR CONDITIONS)
- #7203 PERIMETER MULLION BY MDS
- #7020 ANCHOR FASTENER BY MDS
- #7218 FASTENER BY MDS
- #7228 PIN ASSEMBLY BY MDS

WINDOW/DOOR SYSTEM
AND ALL RELATED
FLASHING, BLOCKING,
AND SEALANT BY OTHERS

NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
WEATHER TIGHT SEAL AT
ALL BARRIER TERMINATIONS

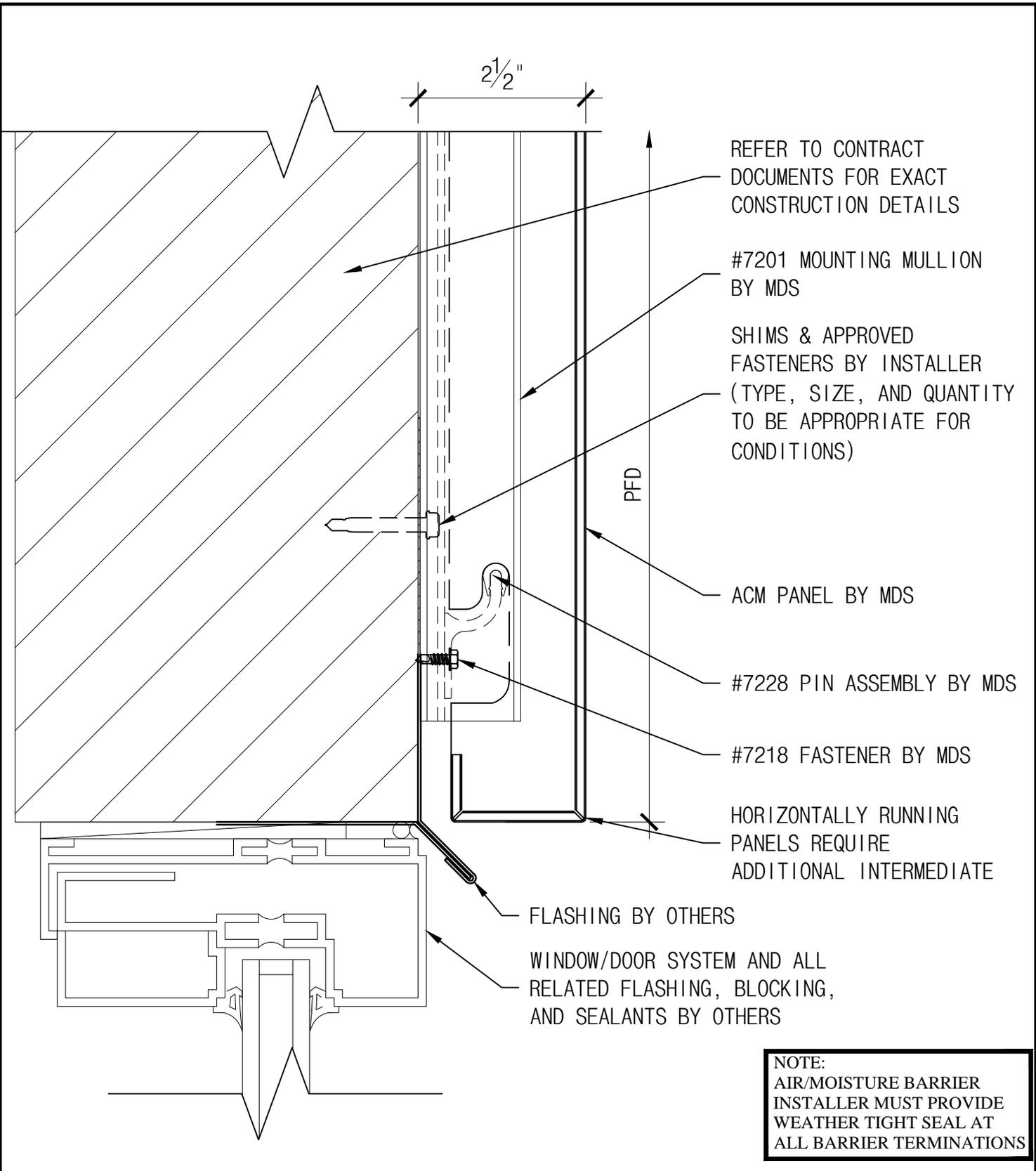
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION ALT. WINDOW/DOOR JAMB DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-11B | DATE 5.30.13 | |
| | | SCALE 6" = 1'-0" | | DRAWN BY | | | |



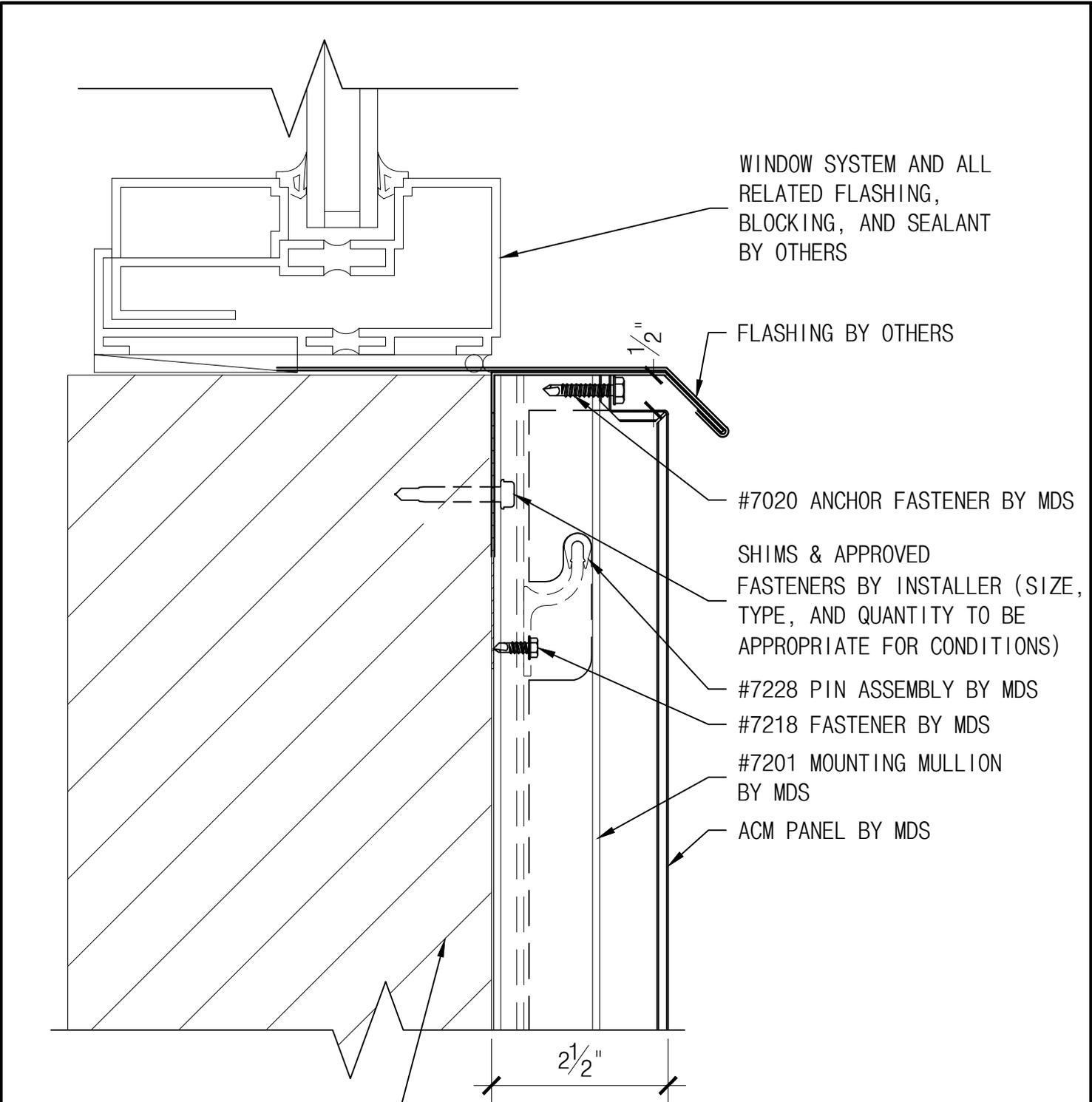
- REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS
- #7201 MOUNTING MULLION BY MDS
- SHIMS & APPROVED FASTENERS BY INSTALLER (TYPE, SIZE, AND QUANTITY TO BE APPROPRIATE FOR CONDITIONS)
- ACM PANEL BY MDS
- #7228 PIN ASSEMBLY BY MDS
- #7218 FASTENER BY MDS
- HORIZONTALLY RUNNING PANELS REQUIRE ADDITIONAL INTERMEDIATE FLASHING BY OTHERS
- WINDOW/DOOR SYSTEM AND ALL RELATED FLASHING, BLOCKING, AND SEALANTS BY OTHERS

NOTE:
 AIR/MOISTURE BARRIER
 INSTALLER MUST PROVIDE
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| | | | | | |
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | SERIES 72 DETAILS | | |
| | | | DRAWING DESCRIPTION | | |
| | | | WINDOW/DOOR HEAD DETAIL (TYP.) | | |
| | | PROJECT NUMBER | DRAWING NUMBER | DATE | |
| | | | S72-ACM-12A | 5.30.13 | |
| | MATERIAL | SCALE | DRAWN BY | | |
| | | 6" = 1'-0" | | | |



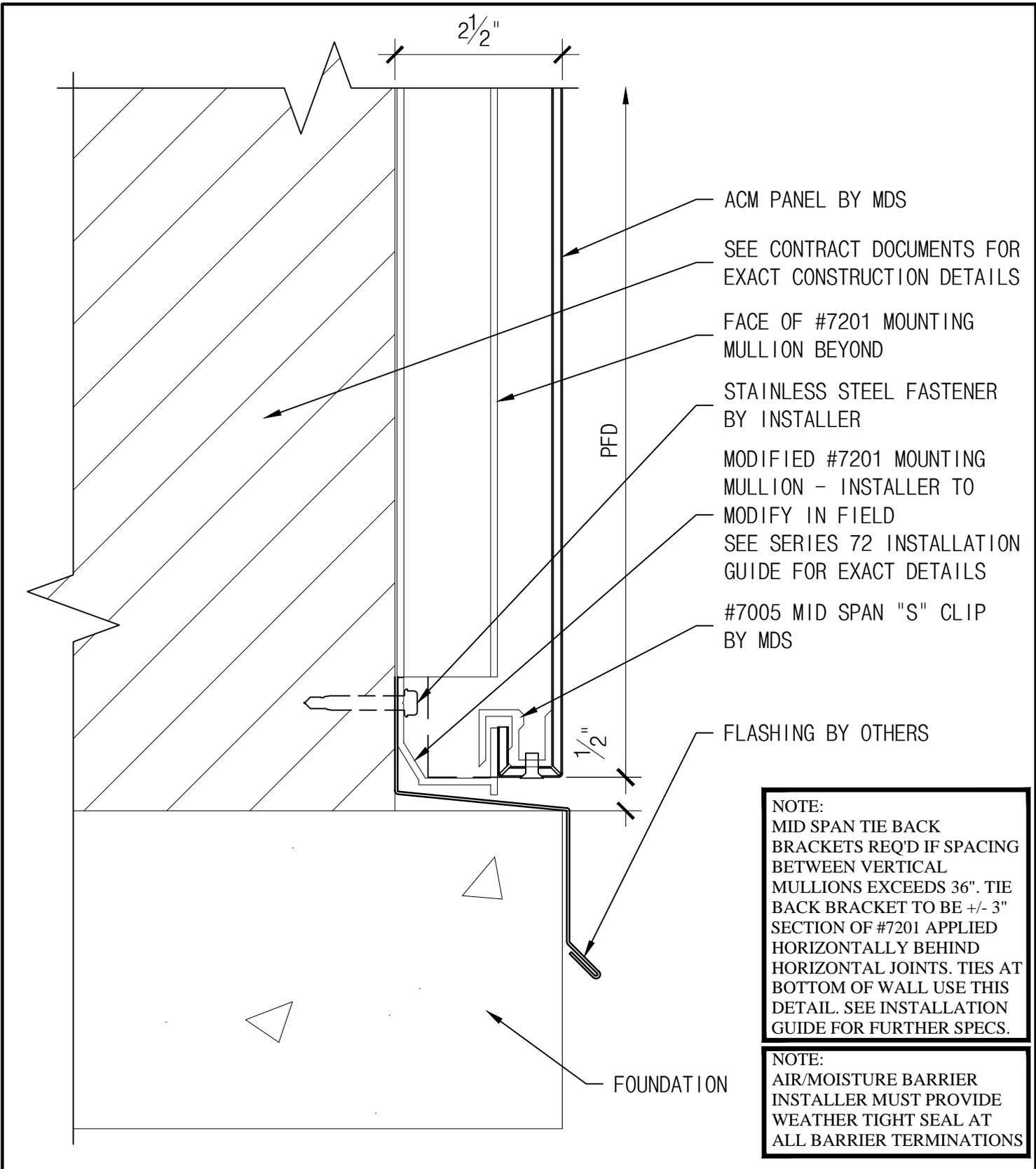
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| | | <p>4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454</p> | | <p>DRAWING DESCRIPTION ALT. WINDOW/DOOR HEAD DETAIL (TYP.)</p> | | |
| | | <p>MATERIAL</p> | | <p>PROJECT NUMBER</p> | <p>DRAWING NUMBER S72-ACM-12B</p> | <p>DATE 5.30.13</p> |
| | | <p>SCALE 6" = 1'-0"</p> | | <p>DRAWN BY</p> | | |



REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS

NOTE:
AIR/MOISTURE BARRIER
INSTALLER MUST PROVIDE
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ALL BARRIER TERMINATIONS

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|--|--|---|--|--|--------------------------------------|------------------------|--|
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION ALT. WINDOW SILL DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-13B | DATE 5.30.13 | |
| | | SCALE 6" = 1'-0" | | DRAWN BY | | | |

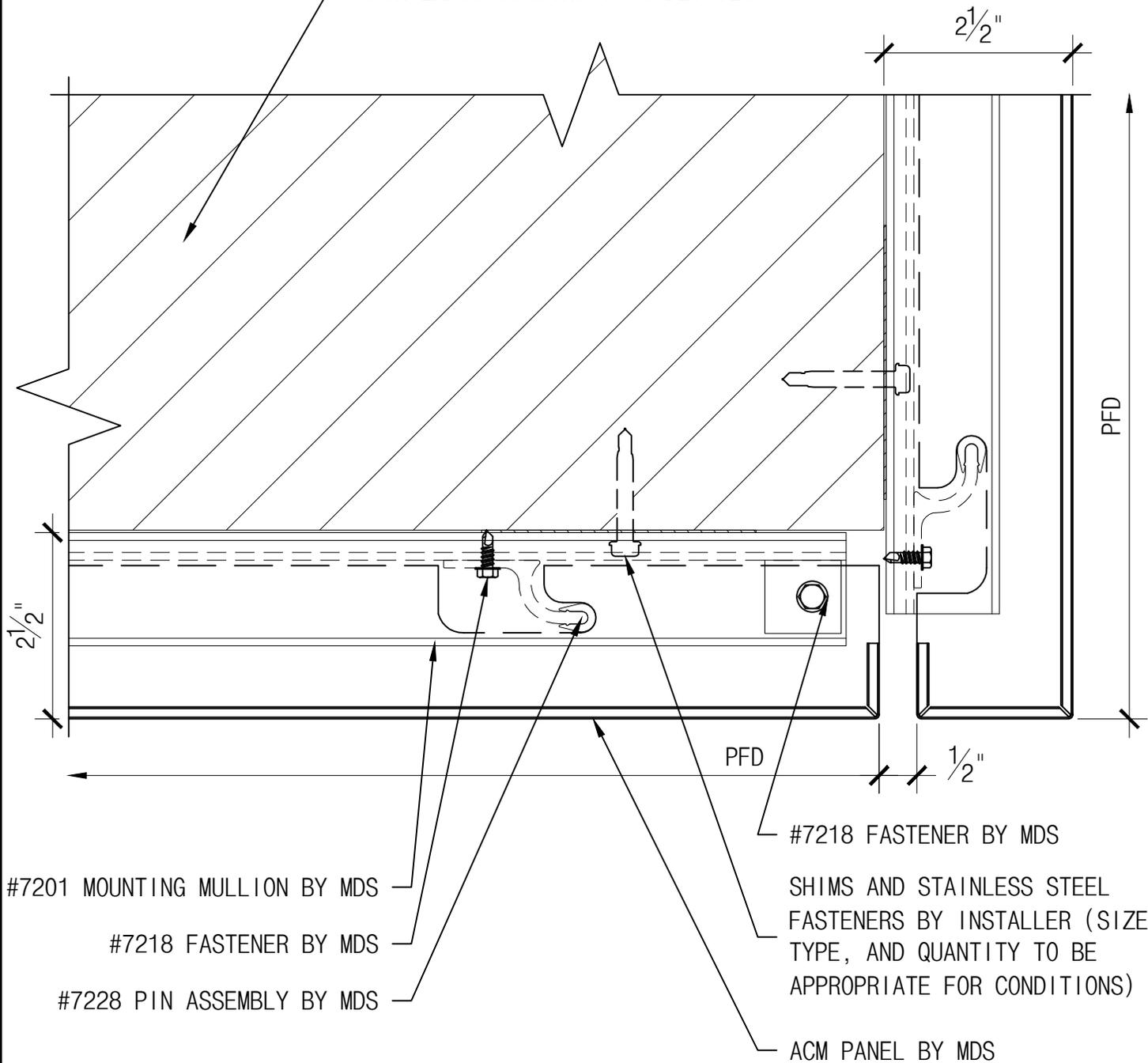


NOTE:
 MID SPAN TIE BACK BRACKETS REQ'D IF SPACING BETWEEN VERTICAL MULLIONS EXCEEDS 36". TIE BACK BRACKET TO BE +/- 3" SECTION OF #7201 APPLIED HORIZONTALLY BEHIND HORIZONTAL JOINTS. TIES AT BOTTOM OF WALL USE THIS DETAIL. SEE INSTALLATION GUIDE FOR FURTHER SPECS.

NOTE:
 AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

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|--|--|---|--|---|-------------------------------------|------------------------|--|
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION MID-SPAN CLIP DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-14 | DATE 5.30.13 | |
| | | | | SCALE 6" = 1'-0" | DRAWN BY | | |

REFER TO CONTRACT DOCUMENTS
FOR EXACT CONSTRUCTION DETAILS



#7201 MOUNTING MULLION BY MDS

#7218 FASTENER BY MDS

#7228 PIN ASSEMBLY BY MDS

#7218 FASTENER BY MDS

SHIMS AND STAINLESS STEEL
FASTENERS BY INSTALLER (SIZE,
TYPE, AND QUANTITY TO BE
APPROPRIATE FOR CONDITIONS)

ACM PANEL BY MDS

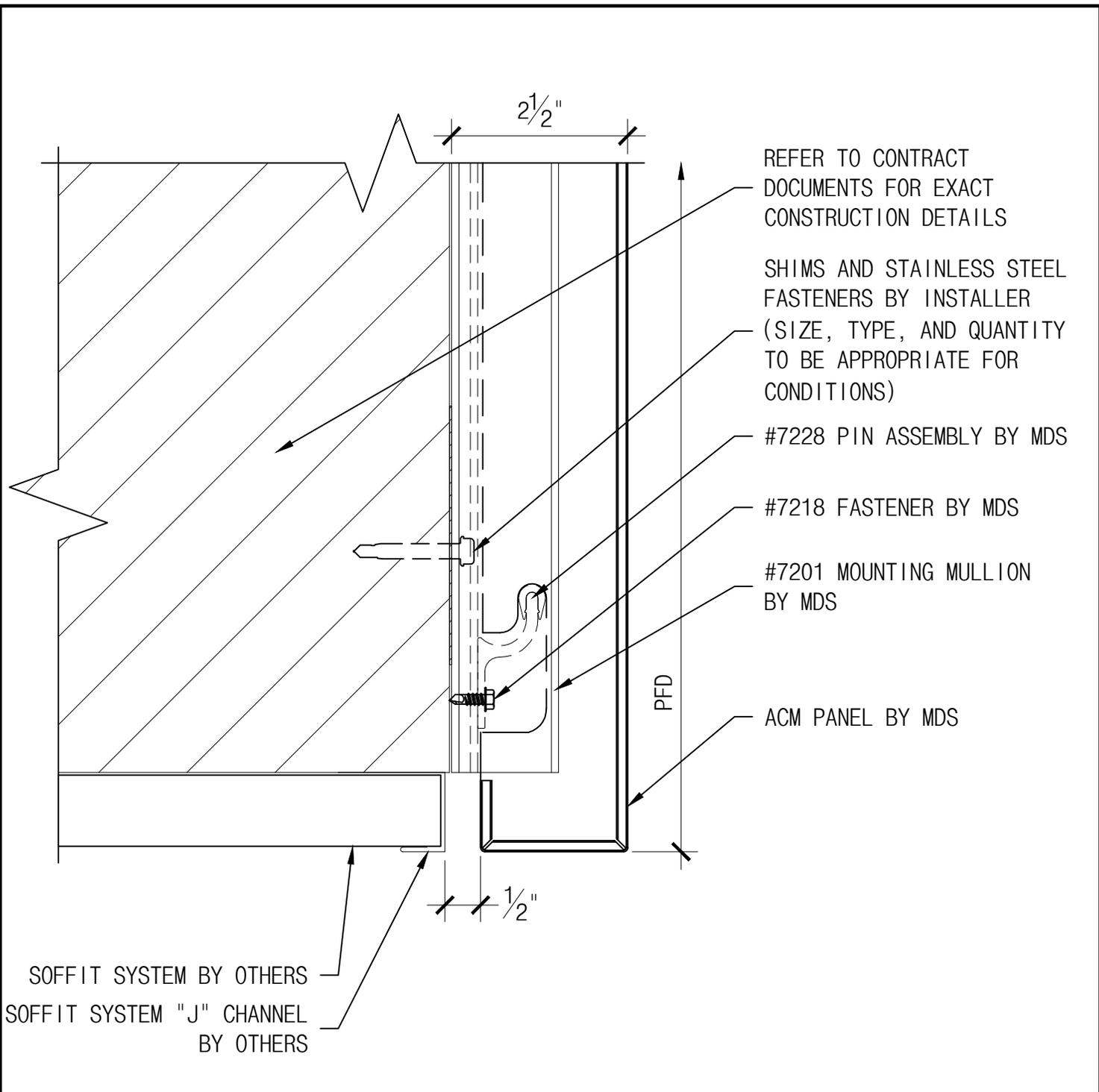
NOTE:
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METAL DESIGN SYSTEMS
4150 C Street S.W.
CEDAR RAPIDS, IA. 52404
Ph. (319) 362-7454

| | | |
|---|-------------------------------------|------------------------|
| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION ACM FASCIA/SOFFIT DETAIL (TYP.) | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-15 | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |



REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS

SHIMS AND STAINLESS STEEL FASTENERS BY INSTALLER (SIZE, TYPE, AND QUANTITY TO BE APPROPRIATE FOR CONDITIONS)

#7228 PIN ASSEMBLY BY MDS

#7218 FASTENER BY MDS

#7201 MOUNTING MULLION BY MDS

PFD

ACM PANEL BY MDS

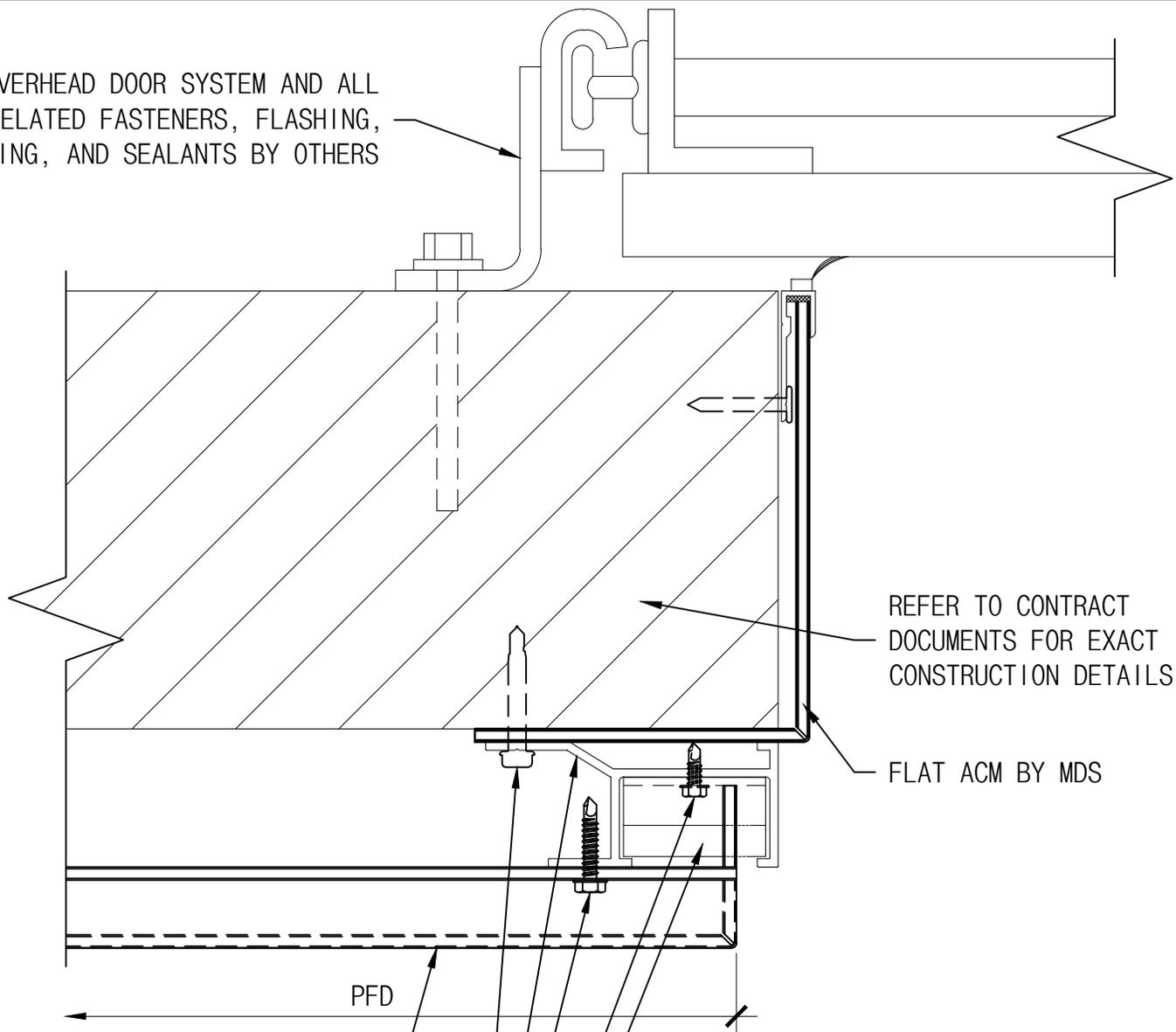
SOFFIT SYSTEM BY OTHERS

SOFFIT SYSTEM "J" CHANNEL BY OTHERS

NOTE:
 AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

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|--|--|---|--|---|-------------------------------------|------------------------|--|
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| | | 4150 C Street S.W. CEDAR RAPIDS, IA. 52404 Ph. (319) 362-7454 | | DRAWING DESCRIPTION ALT. SOFFIT DETAIL (TYP.) | | | |
| | | MATERIAL | | PROJECT NUMBER | DRAWING NUMBER S72-ACM-16 | DATE 5.30.13 | |
| | | SCALE 6" = 1'-0" | | DRAWN BY | | | |

OVERHEAD DOOR SYSTEM AND ALL RELATED FASTENERS, FLASHING, BLOCKING, AND SEALANTS BY OTHERS



REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS

FLAT ACM BY MDS

ACM PANEL BY MDS

PFD

SHIMS & APPROVED FASTENER BY INSTALLER (TYPE, SIZE, & QUANTITY TO BE APPROPRIATE FOR CONDITIONS)

#7203 PERIMETER MULLION BY MDS

#7020 ANCHOR FASTENER BY MDS

#7218 FASTENER BY MDS

#7228 PIN ASSEMBLY BY MDS

NOTE:
AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

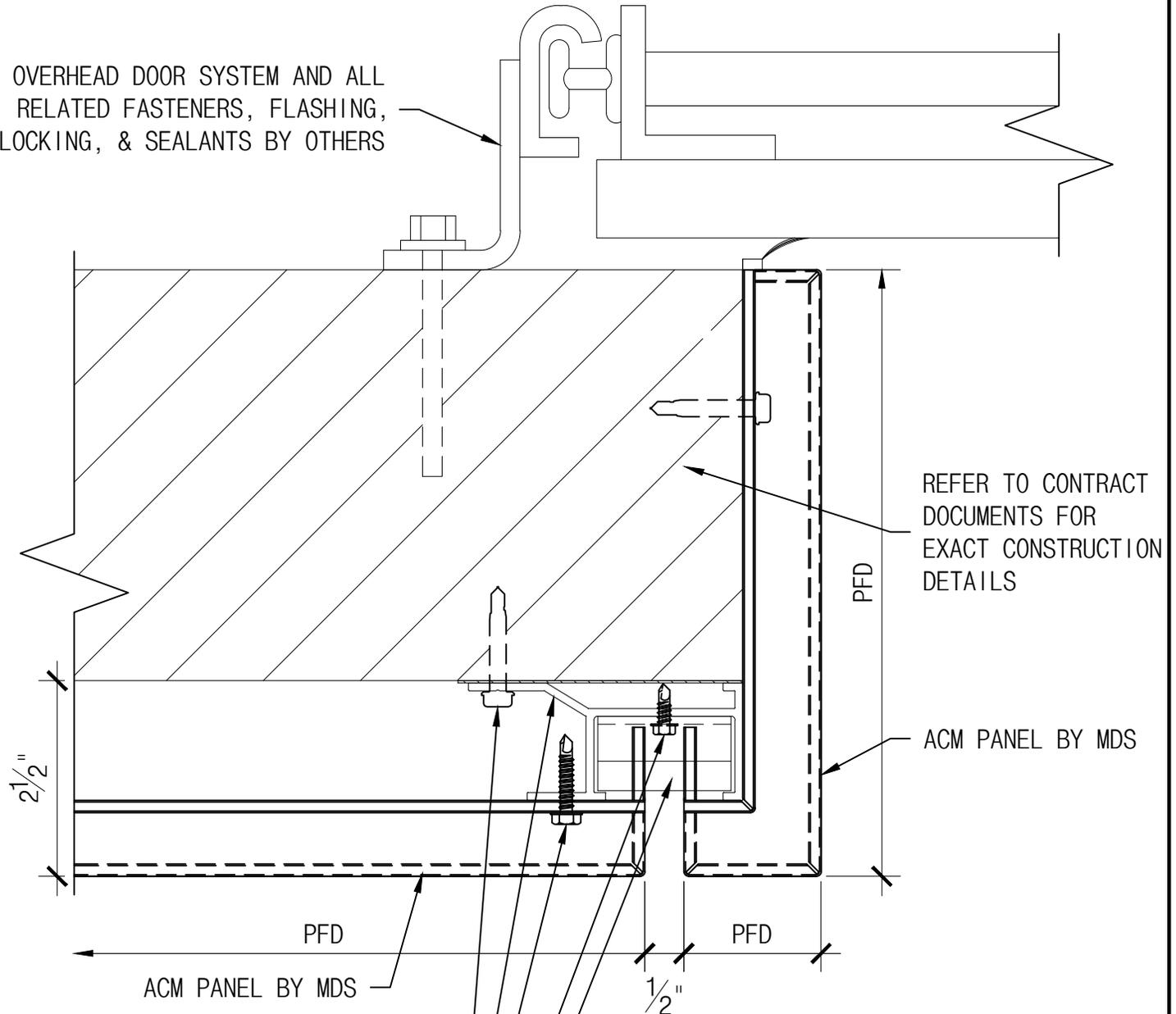
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|---|--------------------------------------|------------------------|
| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION OVERHEAD DOOR DETAIL - OPTION A | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-17A | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |

OVERHEAD DOOR SYSTEM AND ALL RELATED FASTENERS, FLASHING, BLOCKING, & SEALANTS BY OTHERS



REFER TO CONTRACT DOCUMENTS FOR EXACT CONSTRUCTION DETAILS

ACM PANEL BY MDS

ACM PANEL BY MDS

SHIMS & APPROVED FASTENER BY INSTALLER (TYPE, SIZE, & QUANTITY TO BE APPROPRIATE FOR CONDITIONS)

#7203 PERIMETER MULLION BY MDS

#7020 ANCHOR FASTENER BY MDS

#7218 FASTENER BY MDS

#7228 PIN ASSEMBLY BY MDS

NOTE:
AIR/MOISTURE BARRIER INSTALLER MUST PROVIDE WEATHER TIGHT SEAL AT ALL BARRIER TERMINATIONS

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|---|--------------------------------------|------------------------|
| PROJECT SERIES 72 DETAILS | | |
| DRAWING DESCRIPTION OVERHEAD DOOR DETAIL - OPTION B | | |
| PROJECT NUMBER | DRAWING NUMBER S72-ACM-17B | DATE 5.30.13 |
| MATERIAL | SCALE 6" = 1'-0" | DRAWN BY |