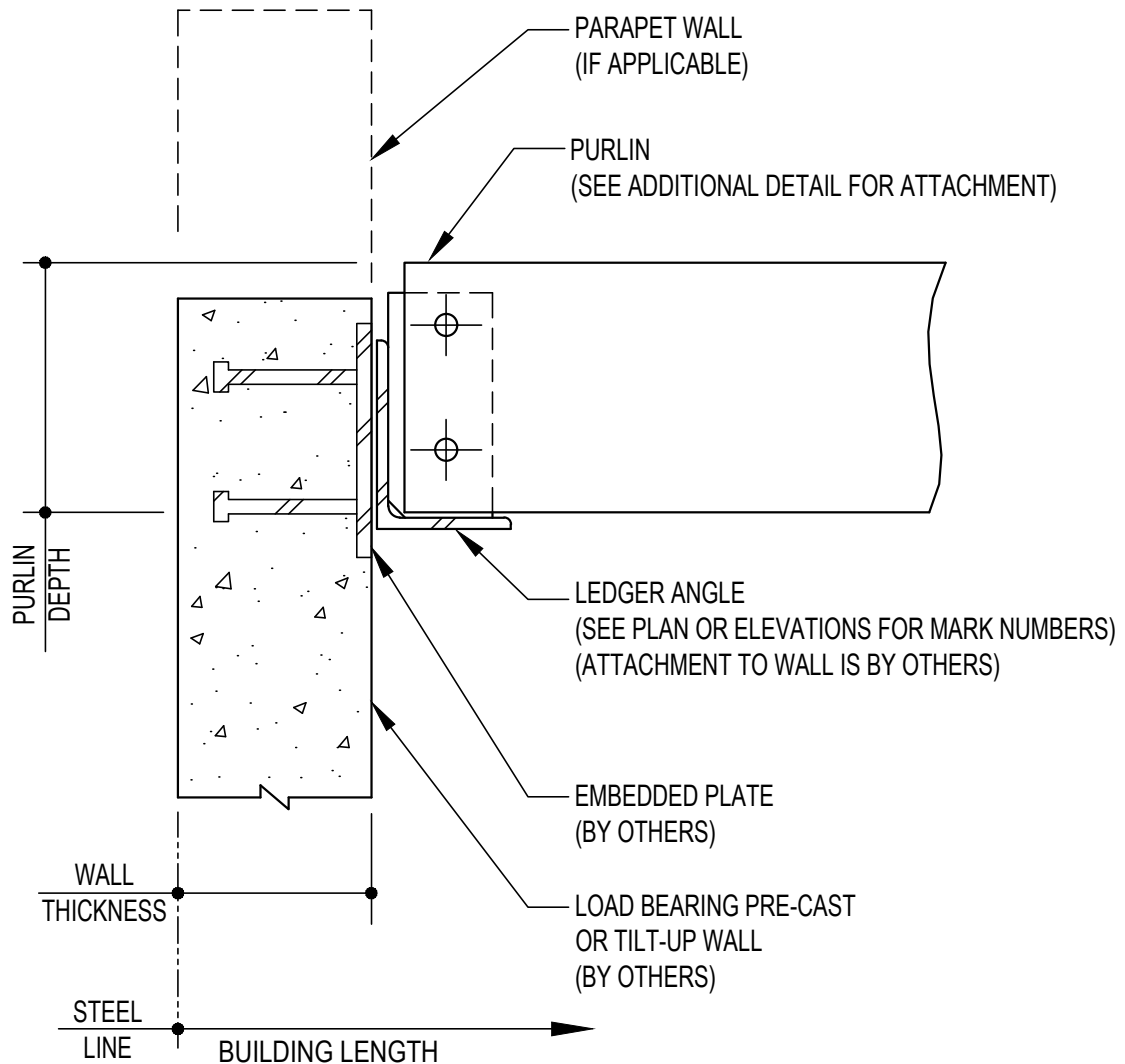


SPANDREL & LEDGER ANGLE DETAILS

- BO0300 - ENDWALL SPANDREL / LEDGER ANGLE w/ PURLINS
 - BO0310 - ENDWALL SPANDREL / LEDGER ANGLE w/ JOISTS
 - BO0400 - TYPICAL SPANDREL ANGLE
 - BO0410 - SPANDREL ANGLE w/ RAKE EXTENSION
 - BO0411 - SPANDREL ANGLE w/ RAKE EXTENSION & WELDED CLIPS
 - BO0420 - SPANDREL ANGLE w/ BOLTED JOISTS
 - BO0430 - SPANDREL ANGLE WITH WELDED JOISTS
 - BO0500 - TYPICAL LEDGER ANGLE
 - BO0520 - LEDGER ANGLE WITH BOLTED JOISTS
 - BO0530 - LEDGER ANGLE w/ WELDED JOISTS
-

BO0300 - ENDWALL SPANDREL / LEDGER ANGLE w/ PURLINS

[Download the DWG file by clicking here.](#)



ENDWALL SPANDREL / LEDGER ANGLE w/ PURLINS

ENDWALL RAKE WITH PURLINS

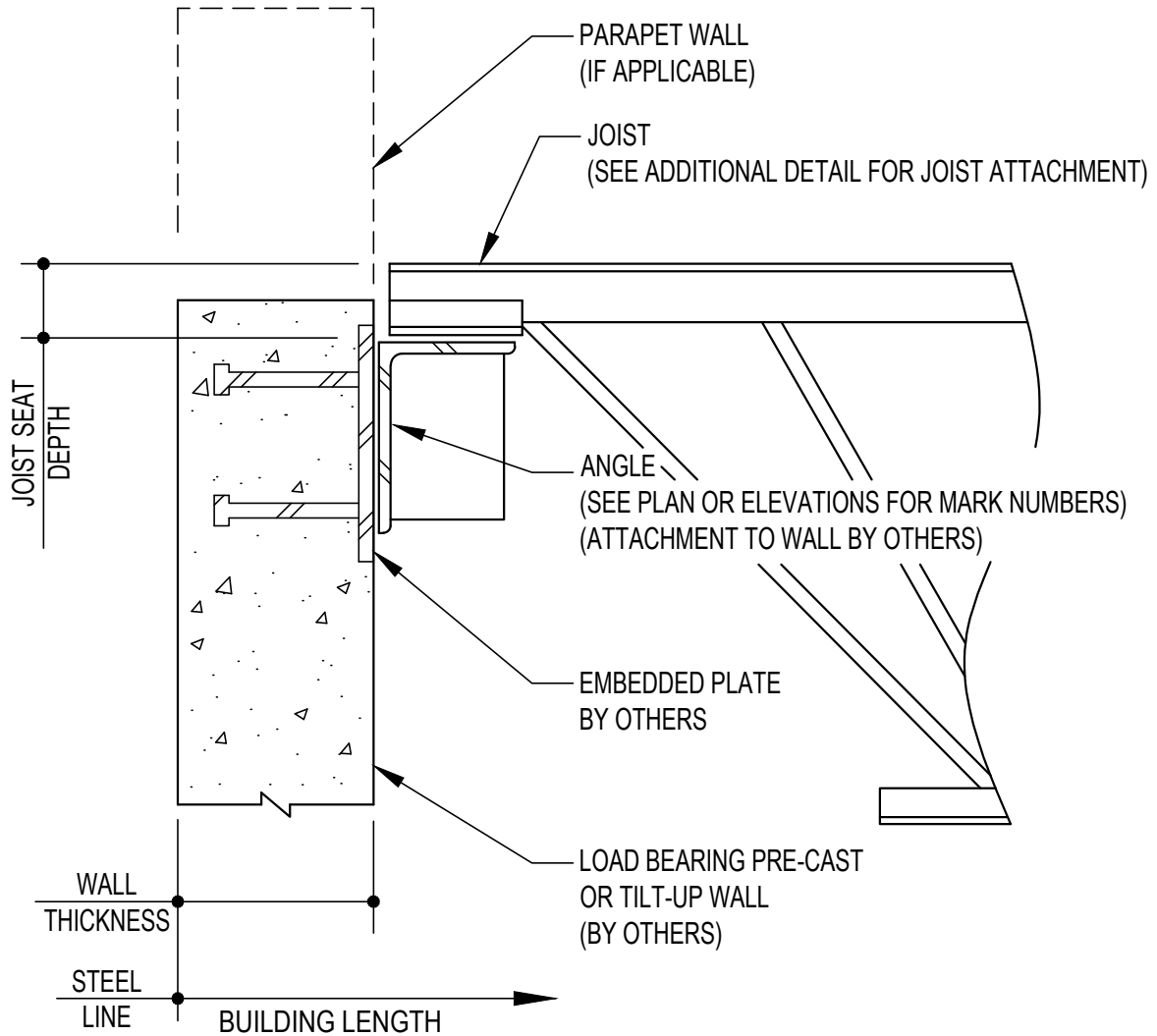
BO0300

Detailer Notes:

1) THIS DETAIL IS TO BE USED FOR ANY PRECAST OR TILT-UP WALL PROJECT:
CONTAINS INFORMATION FOR WALL MANUFACTURER TO LOCATE EMBEDDED
PLATE PROPERLY FOR ANGLE ATTACHMENT.

BO0310 - ENDWALL SPANDREL / LEDGER ANGLE w/ JOISTS

[Download the DWG file by clicking here.](#)



ENDWALL SPANDREL / LEDGER ANGLE w/ JOISTS

ENDWALL RAKE WITH JOISTS

BO0310

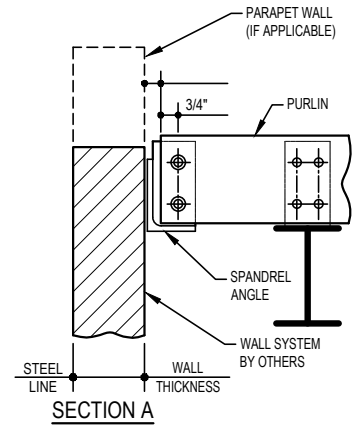
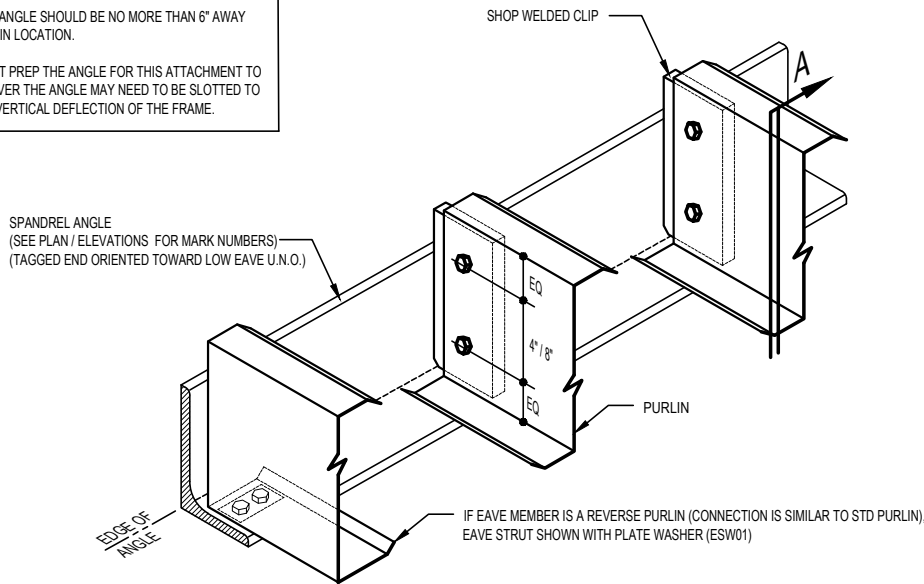
Detailer Notes:

- 1) THIS DETAIL IS TO BE USED FOR ANY PRECAST OR TILT-UP WALL PROJECT: CONTAINS INFORMATION FOR WALL MANUFACTURER TO LOCATE EMBEDDED PLATE PROPERLY FOR ANGLE ATTACHMENT.

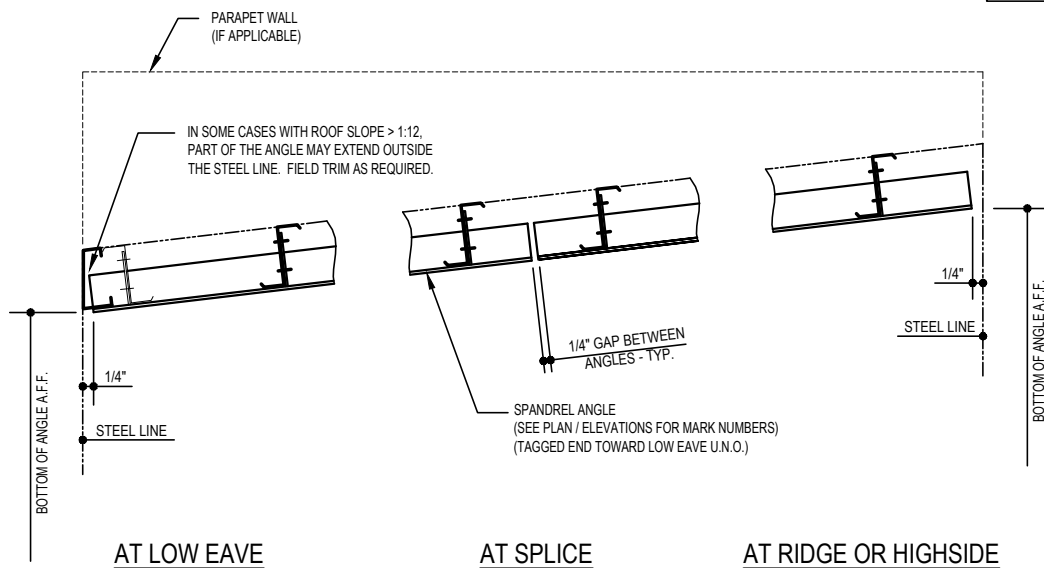
BO0400 - TYPICAL SPANDREL ANGLE

[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH PURLIN LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL, HOWEVER THE ANGLE MAY NEED TO BE SLOTTED TO ALLOW FOR THE VERTICAL DEFLECTION OF THE FRAME.



DOWNWARD: MAXIMUM UNDER DESIGN LIVE LOAD: _____
UPWARD: MAXIMUM UNDER DESIGN UPLIFT: _____
DEFLECTION OF FRAME UNDER FULL DEAD LOAD: _____



TYPICAL SPANDREL ANGLE

USE (2) 1/2" x 2" A325 BOLT H0603/NUT H0300 AT EACH PURLIN / EAVE STRUT LOCATION
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0400

Detailer Notes:

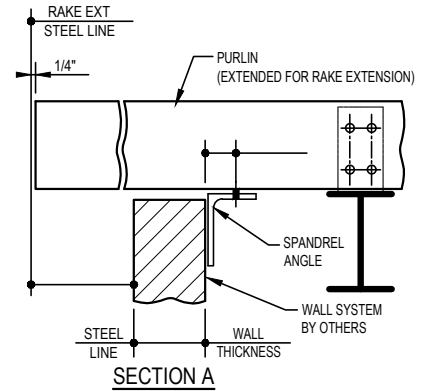
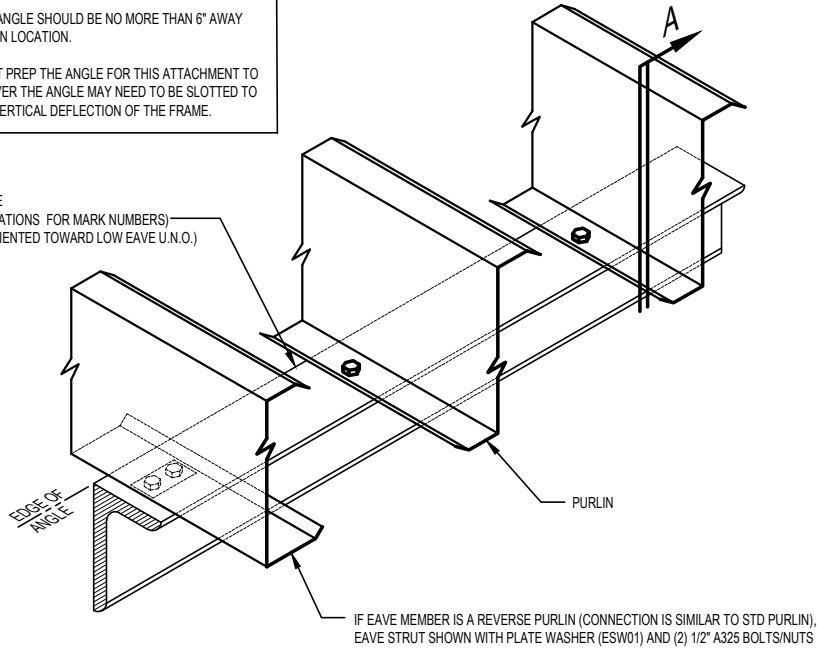
1) N/A

BO0410 - SPANDREL ANGLE w/ RAKE EXTENSION

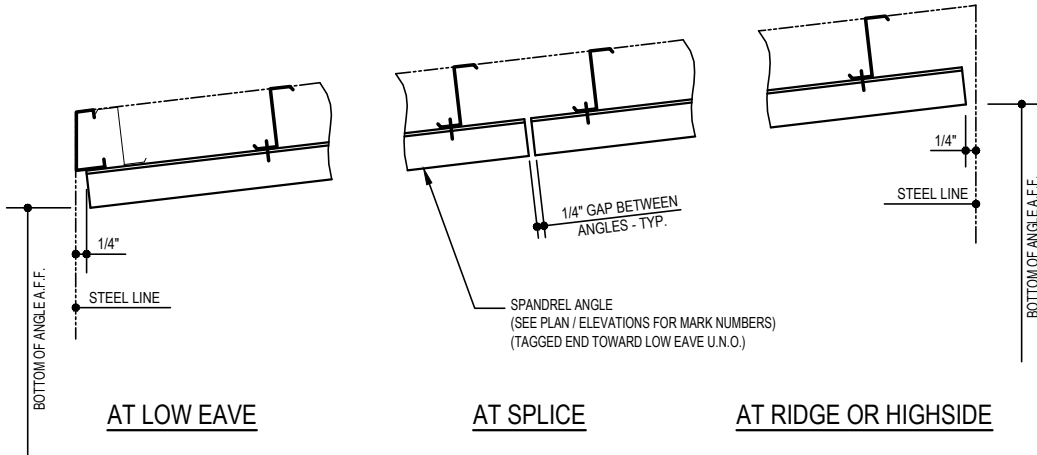
[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH PURLIN LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL, HOWEVER THE ANGLE MAY NEED TO BE SLOTTED TO ALLOW FOR THE VERTICAL DEFLECTION OF THE FRAME.

SPANDREL ANGLE
(SEE PLAN / ELEVATIONS FOR MARK NUMBERS)
(TAGGED END ORIENTED TOWARD LOW EAVE U.N.O.)



DOWNWARD: MAXIMUM
UNDER DESIGN LIVE LOAD: _____
UPWARD: MAXIMUM
UNDER DESIGN UPLIFT: _____
DEFLECTION OF FRAME
UNDER FULL DEAD LOAD: _____



SPANDREL ANGLE w/ RAKE EXTENSION

USE (1) 1/2" x 2" A325 BOLT H0603/NUT H0300 AT EACH PURLIN LOCATION REFERENCE
ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0410

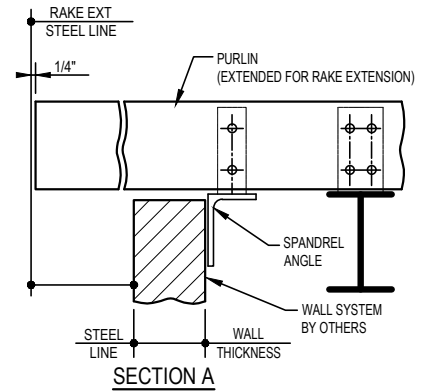
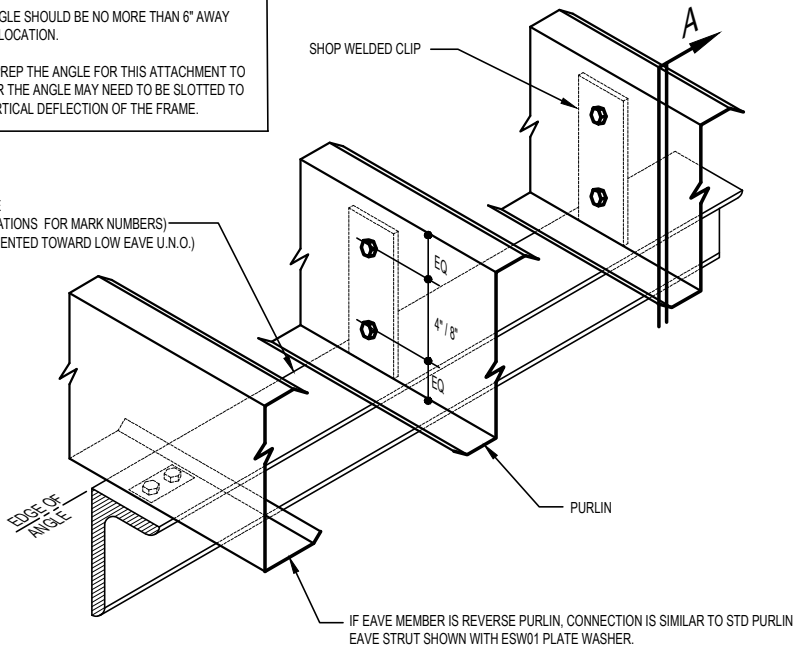
Detailer Notes:

- 1) N/A

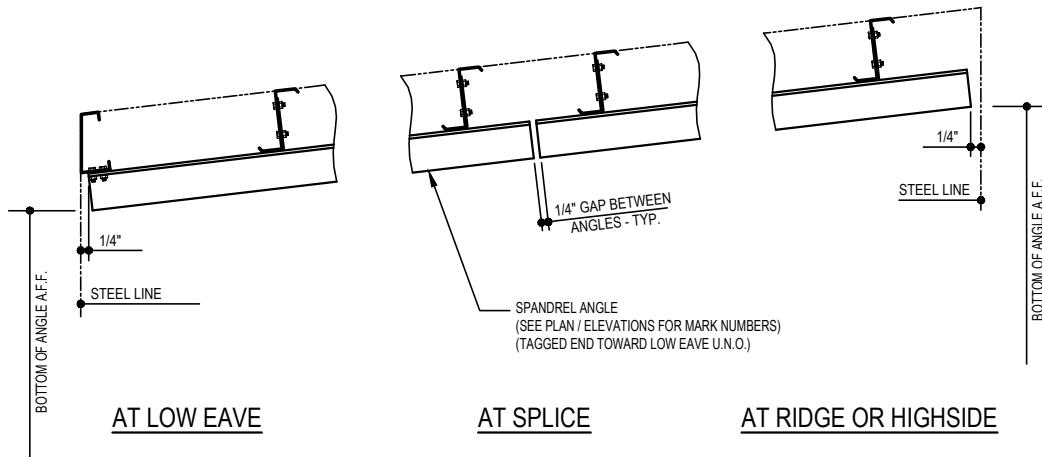
BO0411 - SPANDREL ANGLE w/ RAKE EXTENSION & WELDED CLIPS

[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS.
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH PURLIN LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL, HOWEVER THE ANGLE MAY NEED TO BE SLOTTED TO ALLOW FOR THE VERTICAL DEFLECTION OF THE FRAME.



DOWNWARD: MAXIMUM UNDER DESIGN LIVE LOAD: _____
UPWARD: MAXIMUM UNDER DESIGN UPLIFT: _____
DEFLECTION OF FRAME UNDER FULL DEAD LOAD: _____



SPANDREL ANGLE w/ RAKE EXTENSION & WELDED CLIPS

USE (2) 1/2" x 2" A325 BOLT H0603/NUT H0300 AT EACH PURLIN / EAVE STRUT LOCATION
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0411

Detailer Notes:

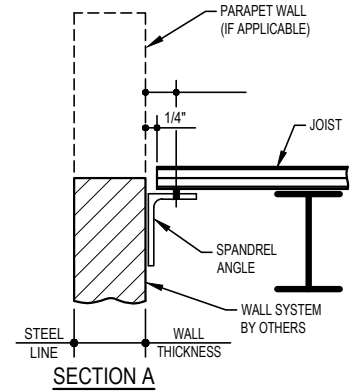
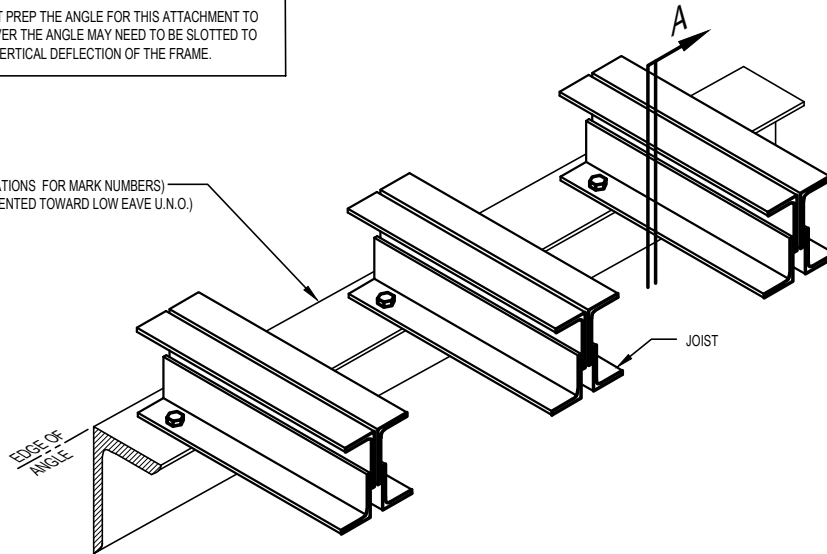
- 1) N/A

BO0420 - SPANDREL ANGLE w/ BOLTED JOISTS

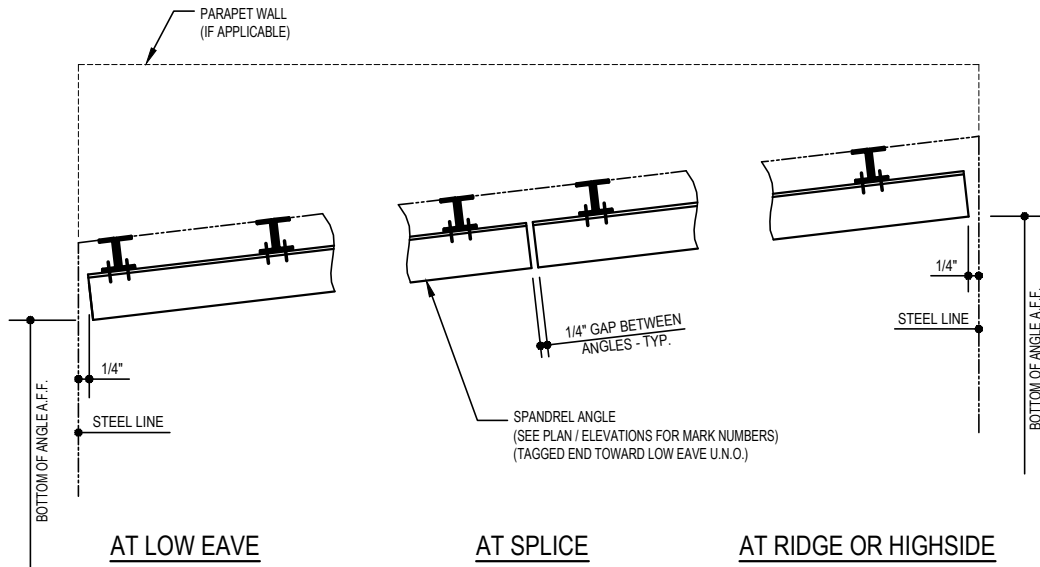
[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS.
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL, HOWEVER THE ANGLE MAY NEED TO BE SLOTTED TO ALLOW FOR THE VERTICAL DEFLECTION OF THE FRAME.

SPANDREL ANGLE
(SEE PLAN / ELEVATIONS FOR MARK NUMBERS)
(TAGGED END ORIENTED TOWARD LOW EAVE U.N.O.)



DOWNWARD: MAXIMUM
UNDER DESIGN LIVE LOAD: _____
UPWARD: MAXIMUM
UNDER DESIGN UPLIFT: _____
DEFLECTION OF FRAME
UNDER FULL DEAD LOAD: _____



SPANDREL ANGLE w/ BOLTED JOISTS

USE (2) 1/2" Ø x 2" A325 BOLTS (H0603) AND NUTS (H0300) AT EACH JOIST LOCATION REFERENCE.
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0420

Detailer Notes:

- 1) N/A

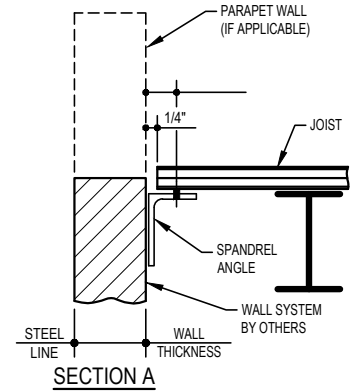
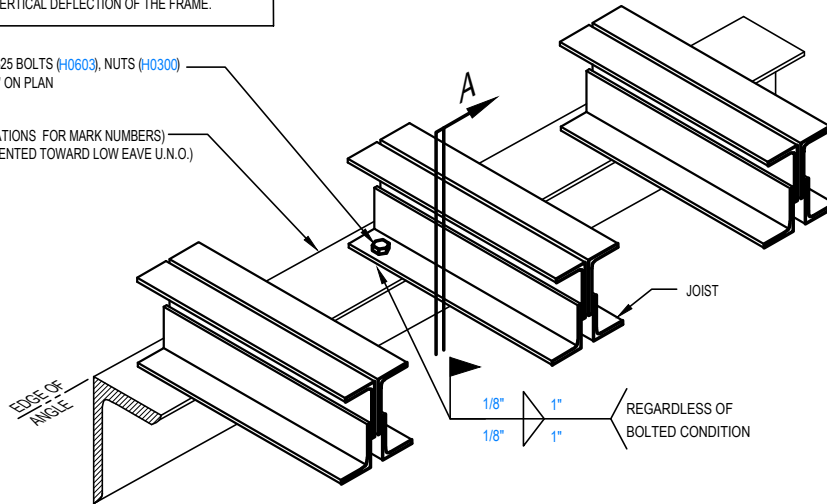
BO0430 - SPANDREL ANGLE WITH WELDED JOISTS

[Download the DWG file by clicking here.](#)

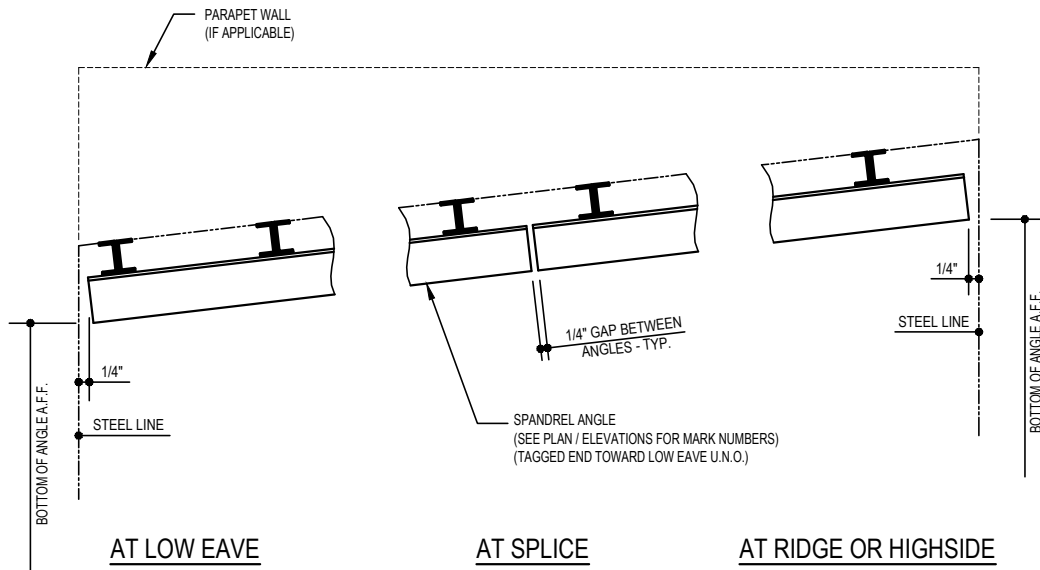
- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS.
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL, HOWEVER THE ANGLE MAY NEED TO BE SLOTTED TO ALLOW FOR THE VERTICAL DEFLECTION OF THE FRAME.

(2) 1/2" Ø x 2" A325 BOLTS (H0603), NUTS (H0300)
WHERE NOTED "B" ON PLAN

SPANDREL ANGLE
(SEE PLAN / ELEVATIONS FOR MARK NUMBERS)
(TAGGED END ORIENTED TOWARD LOW EAVE U.N.O.)



DOWNWARD: MAXIMUM
UNDER DESIGN LIVE LOAD: _____
UPWARD: MAXIMUM
UNDER DESIGN UPLIFT: _____
DEFLECTION OF FRAME
UNDER FULL DEAD LOAD: _____



SPANDREL ANGLE w/ WELDED JOISTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0430

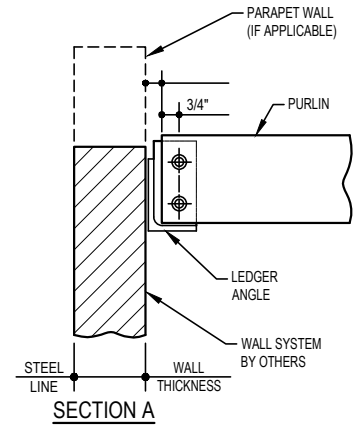
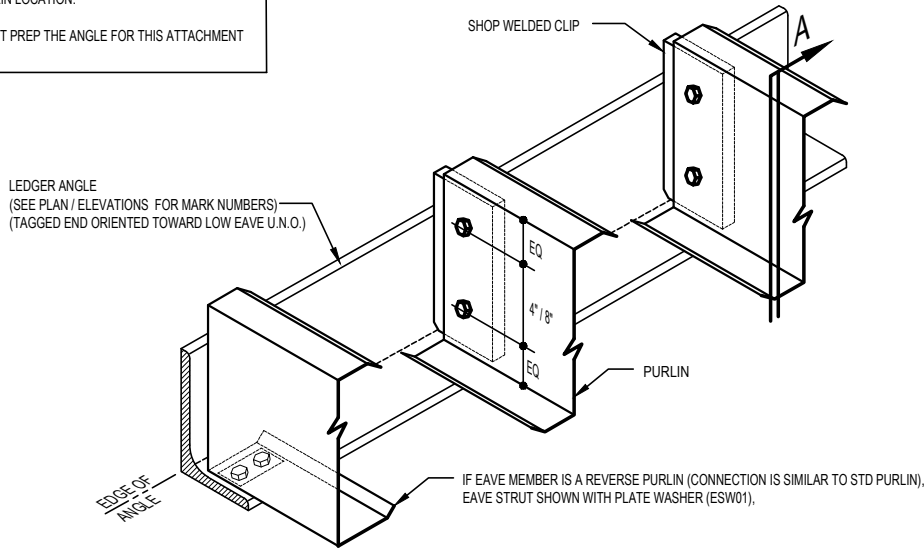
Detailer Notes:

- 1) N/A

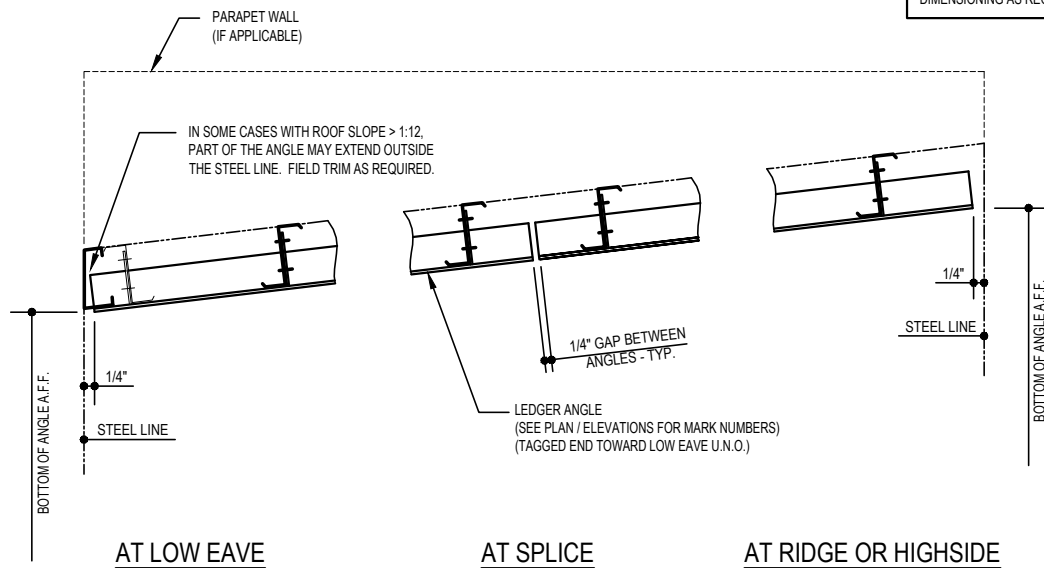
BO0500 - TYPICAL LEDGER ANGLE

[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH PURLIN LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.



REFER TO PLANS / ELEVATIONS FOR ANY ADDITIONAL ANGLE DIMENSIONING AS REQUIRED.



TYPICAL LEDGER ANGLE

USE (2) 1/2" x 2" A325 BOLT H0603/NUT H0300 AT EACH PURLIN / EAVE STRUT LOCATION
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0500

Detailer Notes:

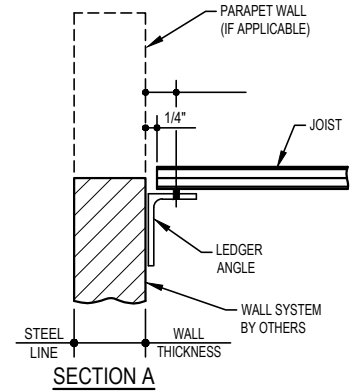
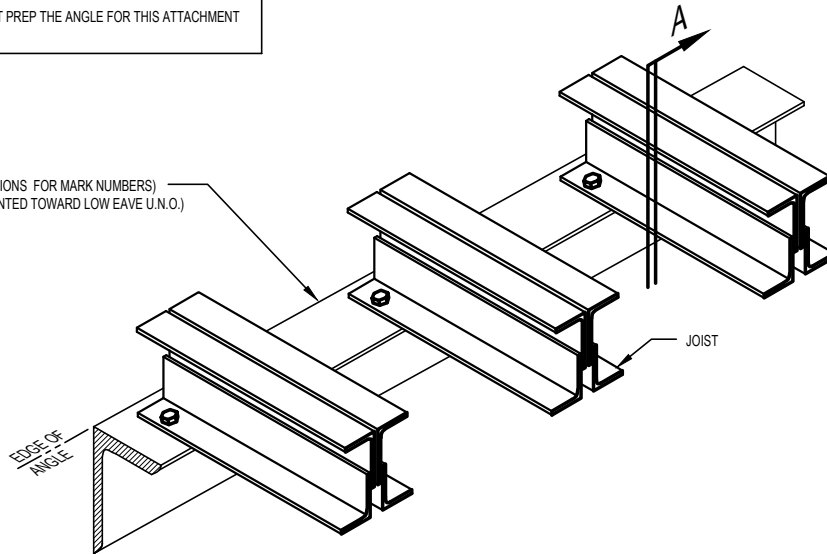
- 1) USE THIS DETAIL IN CONJUNCTION WITH DETAIL BO0300

BO0520 - LEDGER ANGLE WITH BOLTED JOISTS

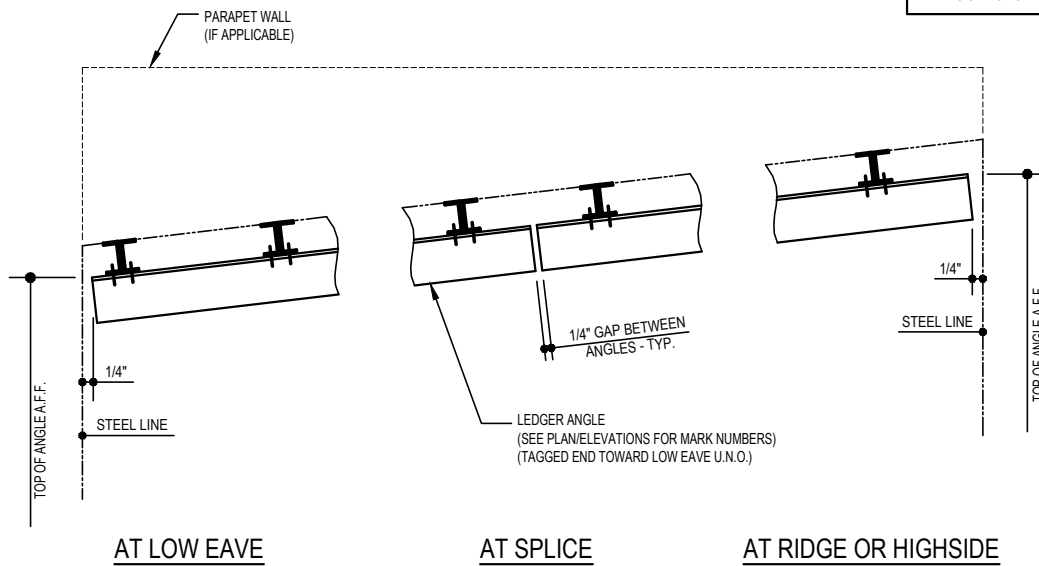
[Download the DWG file by clicking here.](#)

- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS.
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.

LEDGER ANGLE
(SEE PLAN / ELEVATIONS FOR MARK NUMBERS)
(TAGGED END ORIENTED TOWARD LOW EAVE U.N.O.)



REFER TO PLANS/ELEVATIONS
FOR ANY ADDITIONAL ANGLE
DIMENSIONING AS REQUIRED.



LEDGER ANGLE w/ BOLTED JOISTS

USE (2) 1/2" Ø x 2" A325 BOLTS (H0603) AND NUTS (H0300) AT EACH JOIST LOCATION REFERENCE.
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0520

Detailer Notes:

- 1) USE THIS DETAIL IN CONJUNCTION WITH DETAIL BO0310

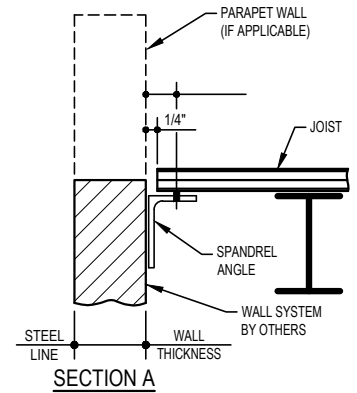
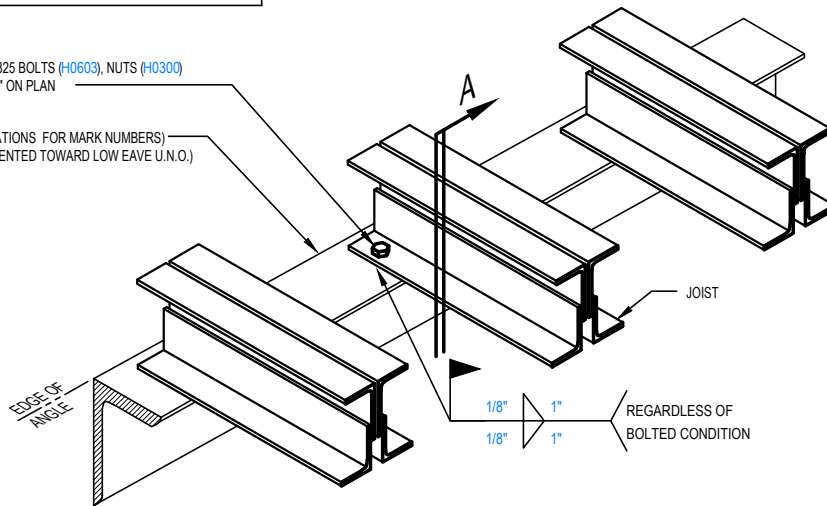
BO0530 - LEDGER ANGLE w/ WELDED JOISTS

[Download the DWG file by clicking here.](#)

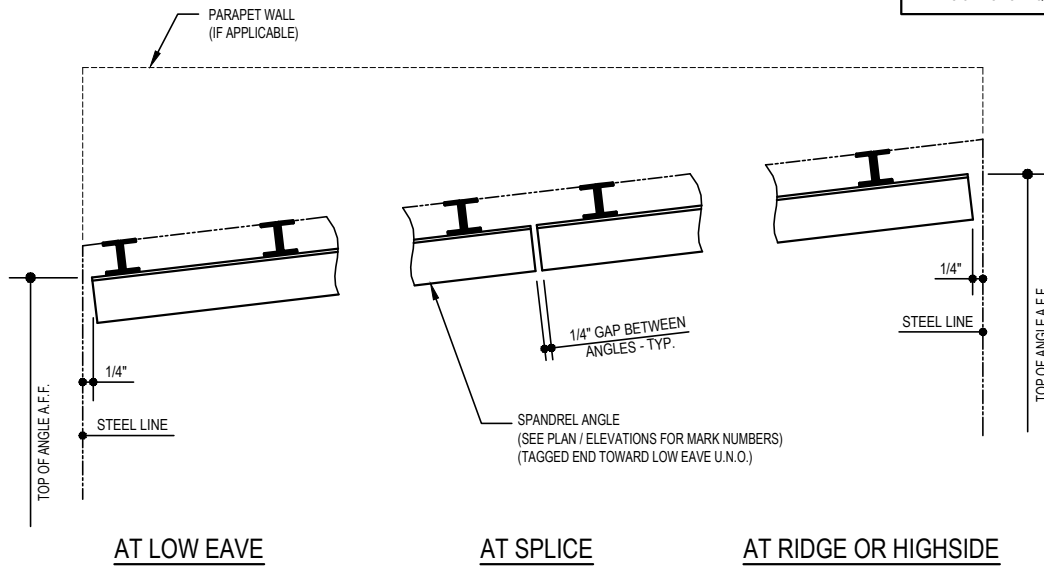
- 1) SUPPLY AND DESIGN OF CONNECTION BETWEEN THE ANGLE AND WALL SYSTEM (BY OTHERS) IS NOT BY THE MBS.
- 2) ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION.
- 3) THE MBS WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.

(2) 1/2" Ø x 2" A325 BOLTS (H0603), NUTS (H0300)
WHERE NOTED "B" ON PLAN

SPANDREL ANGLE
(SEE PLAN / ELEVATIONS FOR MARK NUMBERS)
(TAGGED END ORIENTED TOWARD LOW EAVE U.N.O.)



REFER TO PLANS/ELEVATIONS
FOR ANY ADDITIONAL ANGLE
DIMENSIONING AS REQUIRED.



LEDGER ANGLE w/ WELDED JOISTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0530

Detailer Notes:

- 1) USE THIS DETAIL IN CONJUNCTION WITH DETAIL BA0310