



PRODUCT & ENGINEERING MANUAL

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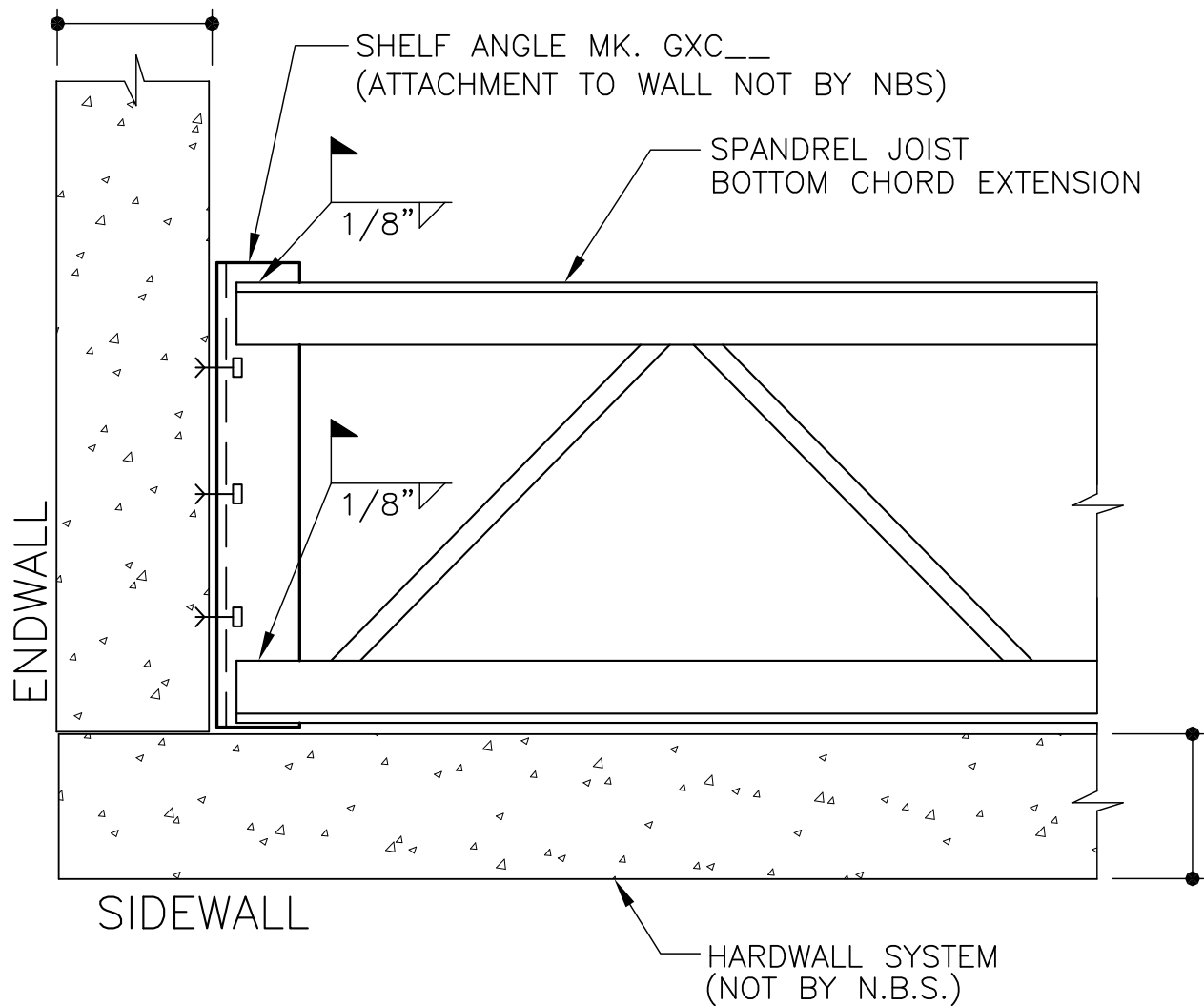
Refer to Section 4.14 for standard Spandrel Beam Details



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A: SIDEWALL STRUCTURAL CONDITIONS

KA6005 – SPANDREL JOIST CONNECTION AT CORNER



SPANDREL JOIST AT CORNER

KA6005

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
KA6005.DWG

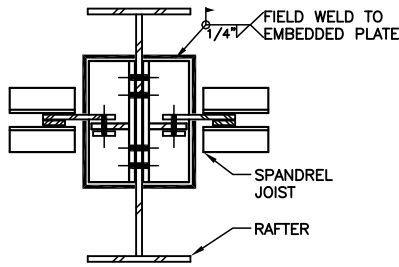
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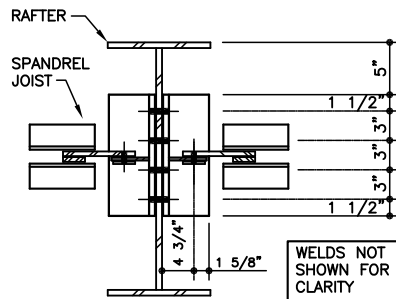
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NON-PARAPET – JOIST TRUSS DETAILS

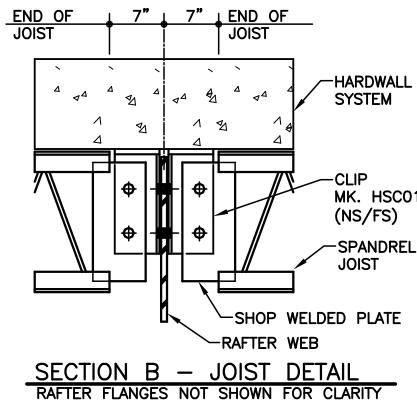
KA6010 – JOISTS, CFR BY NBS (NON-DIAPHRAGM)



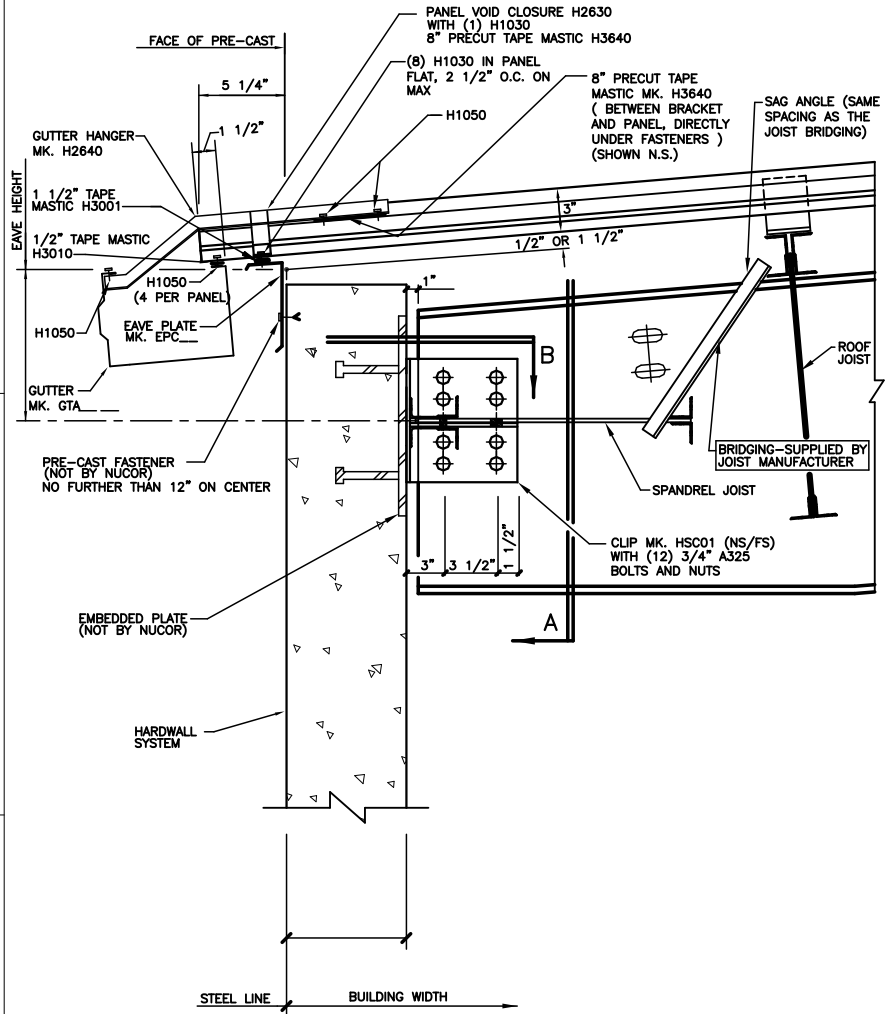
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET JOIST TRUSS, CFR BY NBS (NON-DIAPHRAGM)

KA6010

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

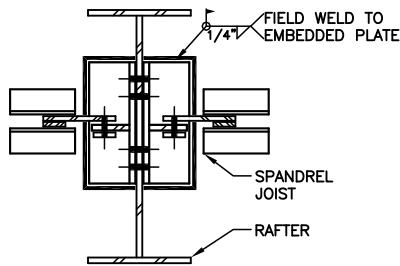
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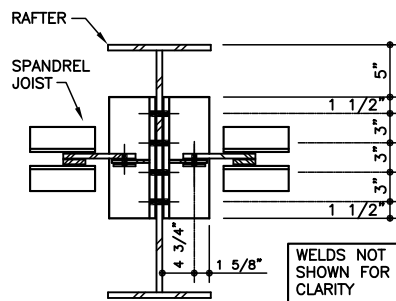


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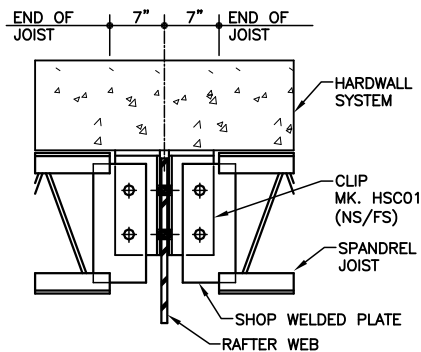
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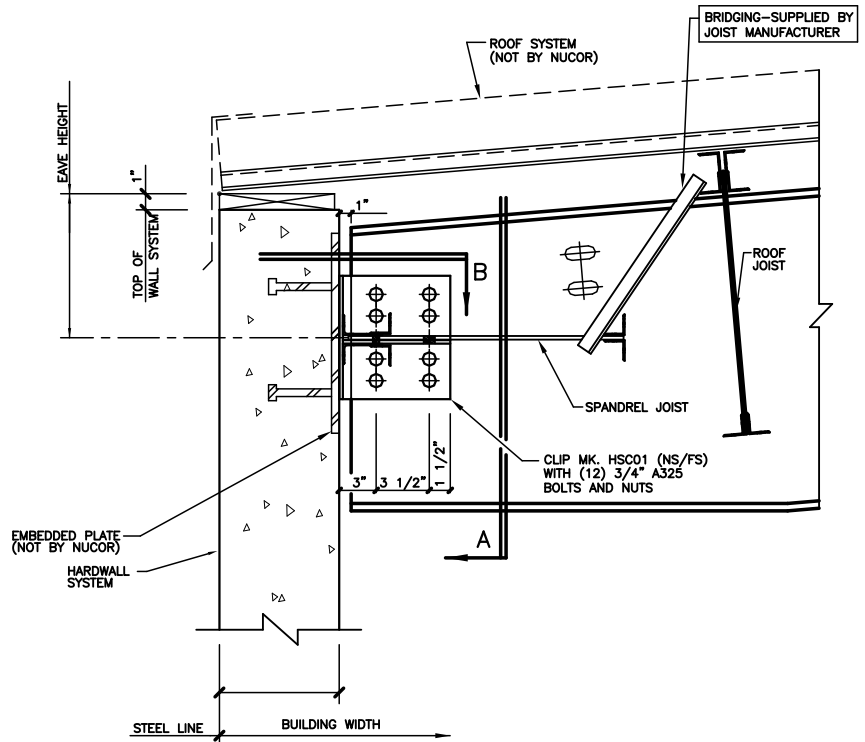
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TYPICAL DIMENSIONS
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SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



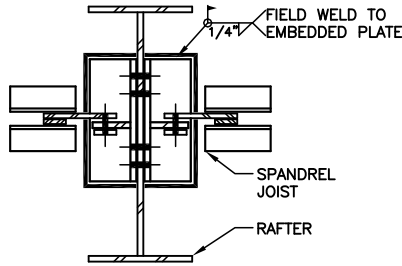
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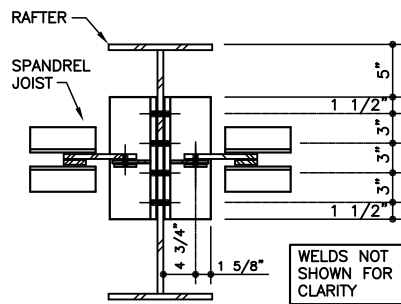


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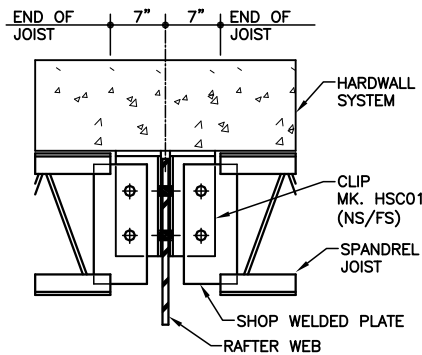
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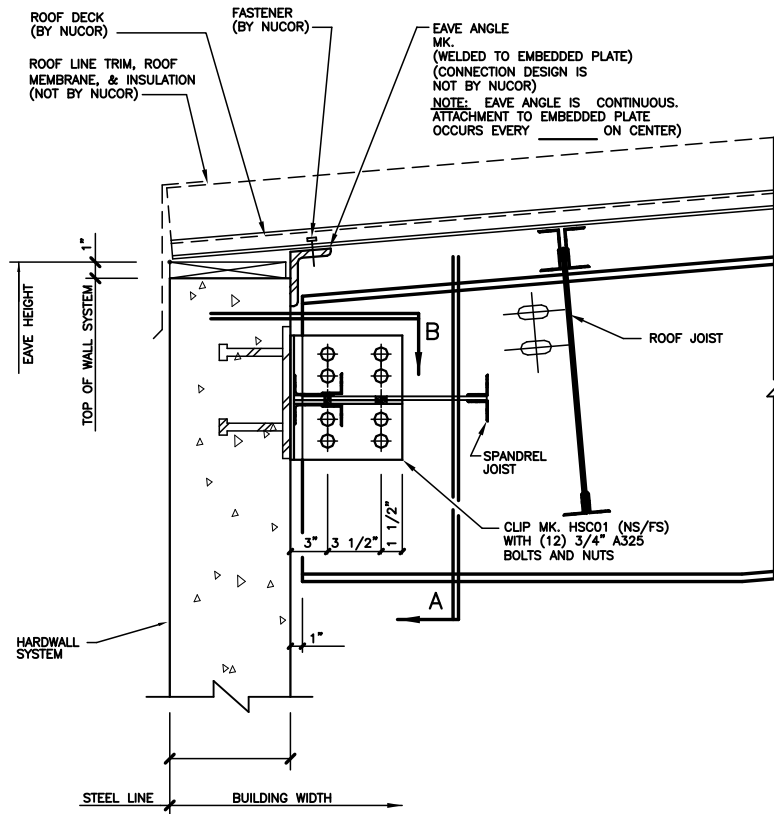
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TYPICAL DIMENSIONS
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SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



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NON-PARAPET: ROOF NOT BY NBS (WITH DIAPHRAGM)

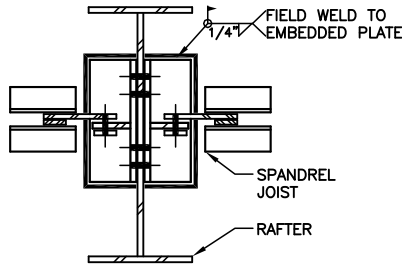
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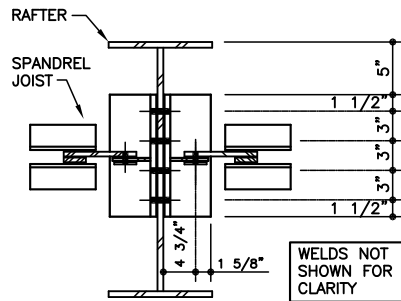
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PARAPET DETAILS

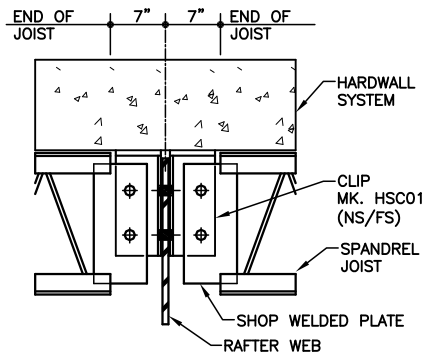
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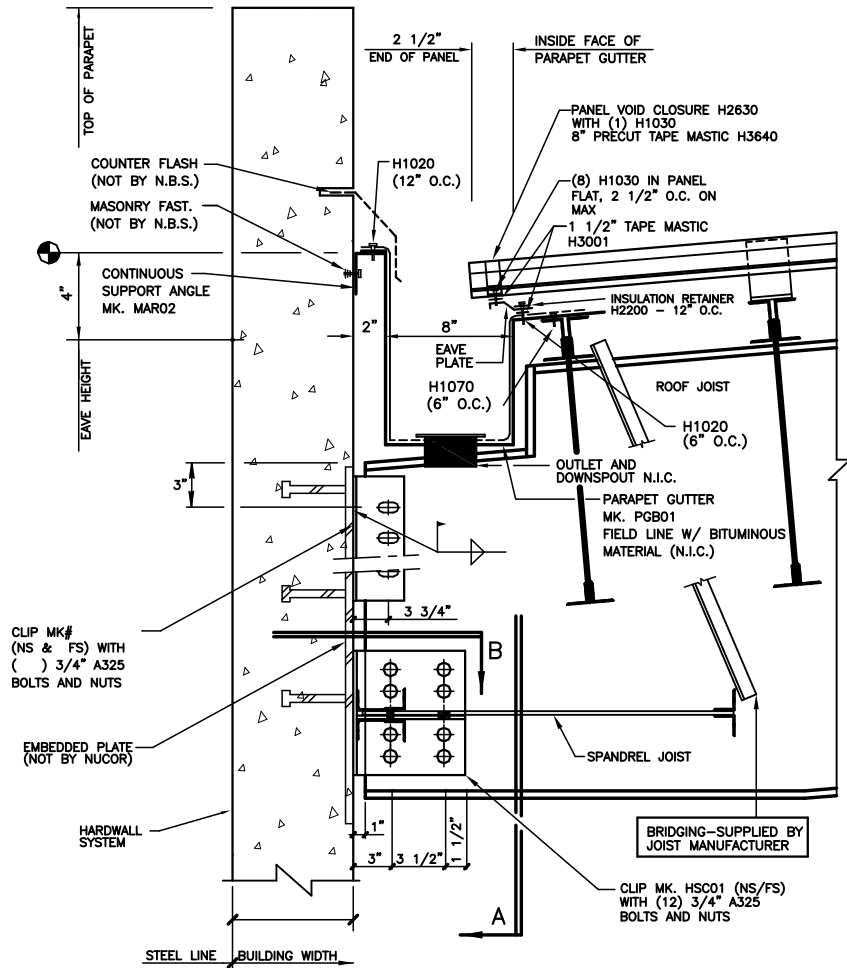
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

PARAPET JOIST TRUSS: CFR BY NBS (NON-DIAPHRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

KA6040

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

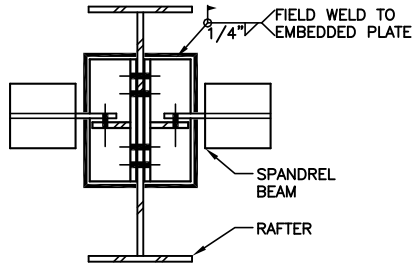
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4.9.7

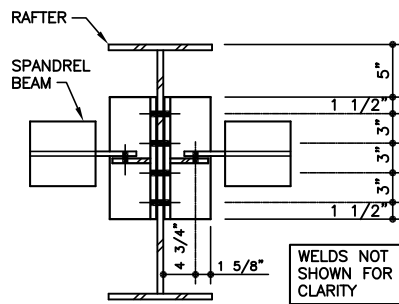


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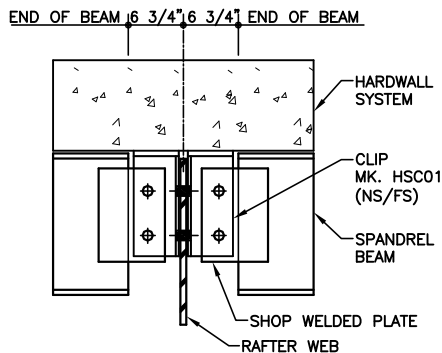
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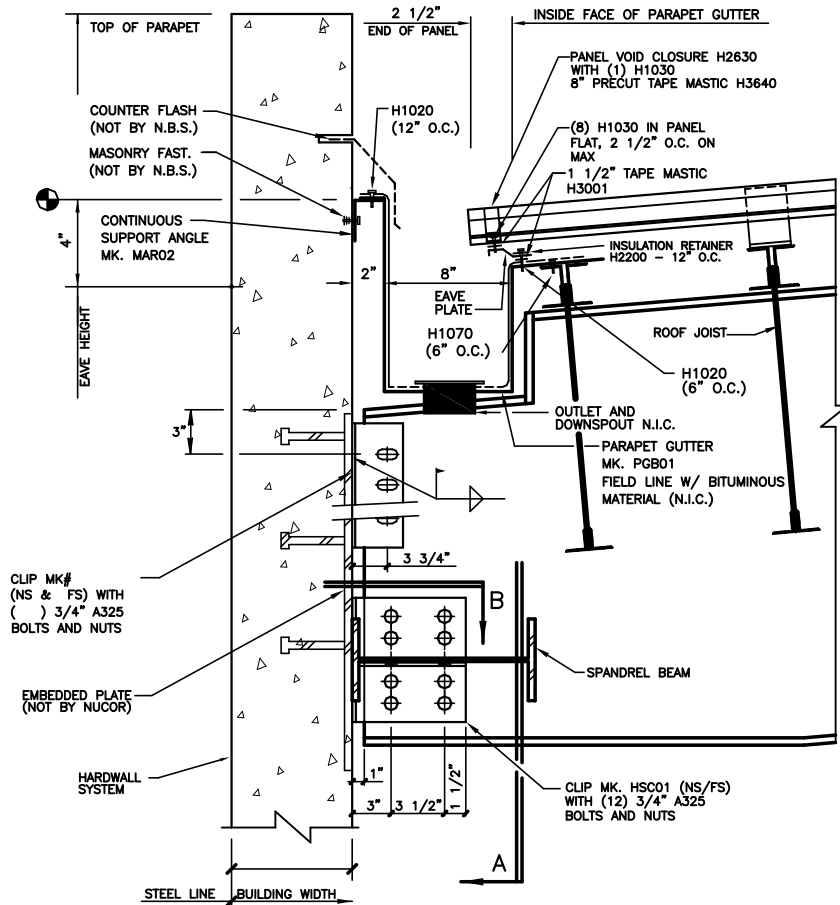
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TYPICAL DIMENSIONS
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SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

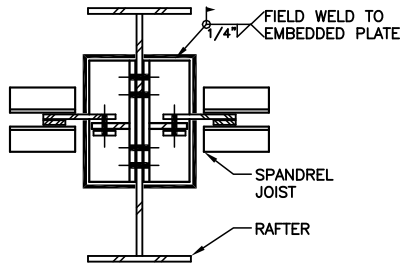
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REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

KA6042

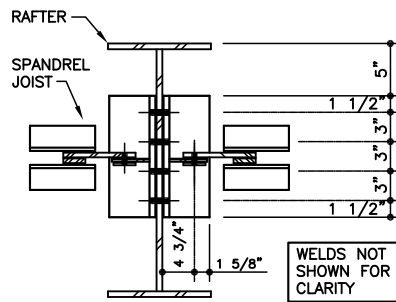


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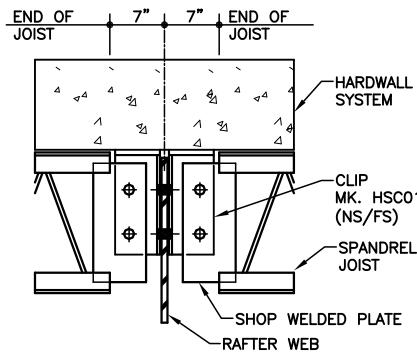
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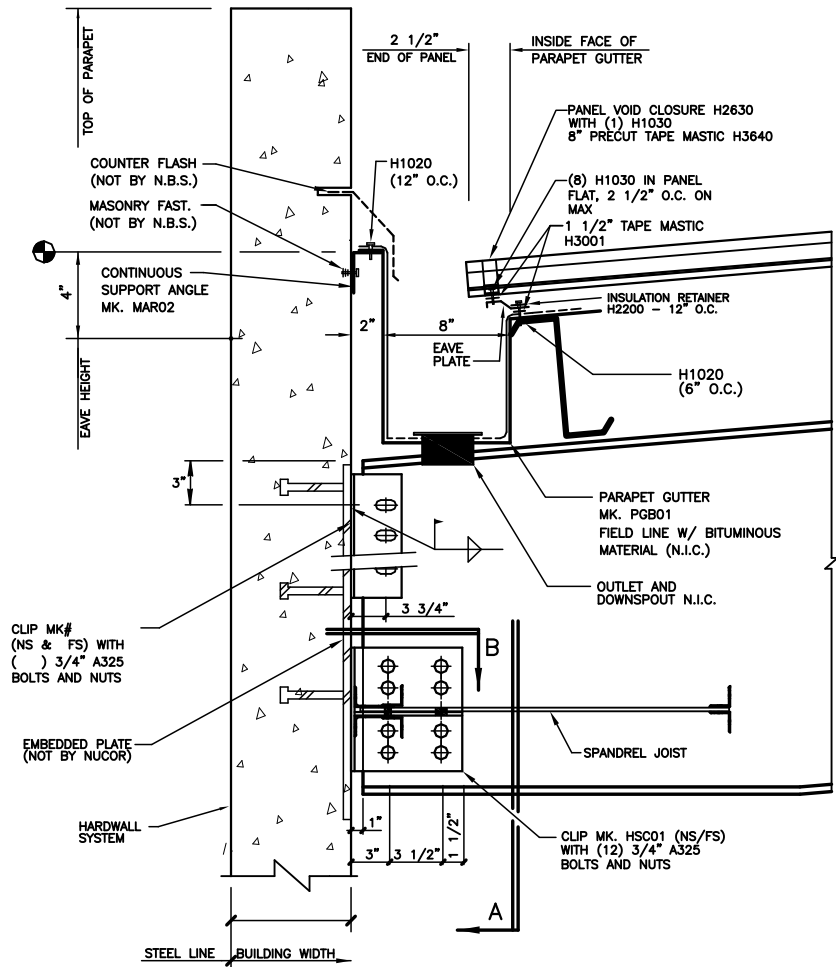
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

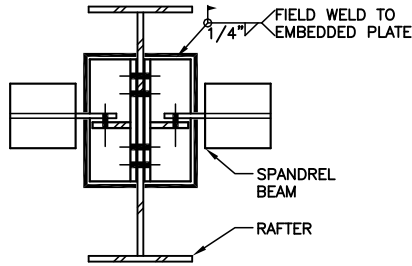
PARAPET JOIST TRUSS: CFR BY NBS (NON-DIAPHRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

KA6044

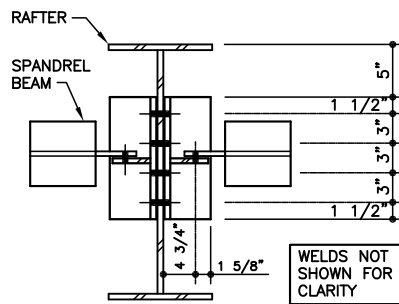


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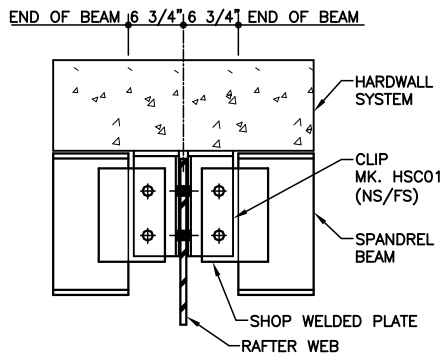
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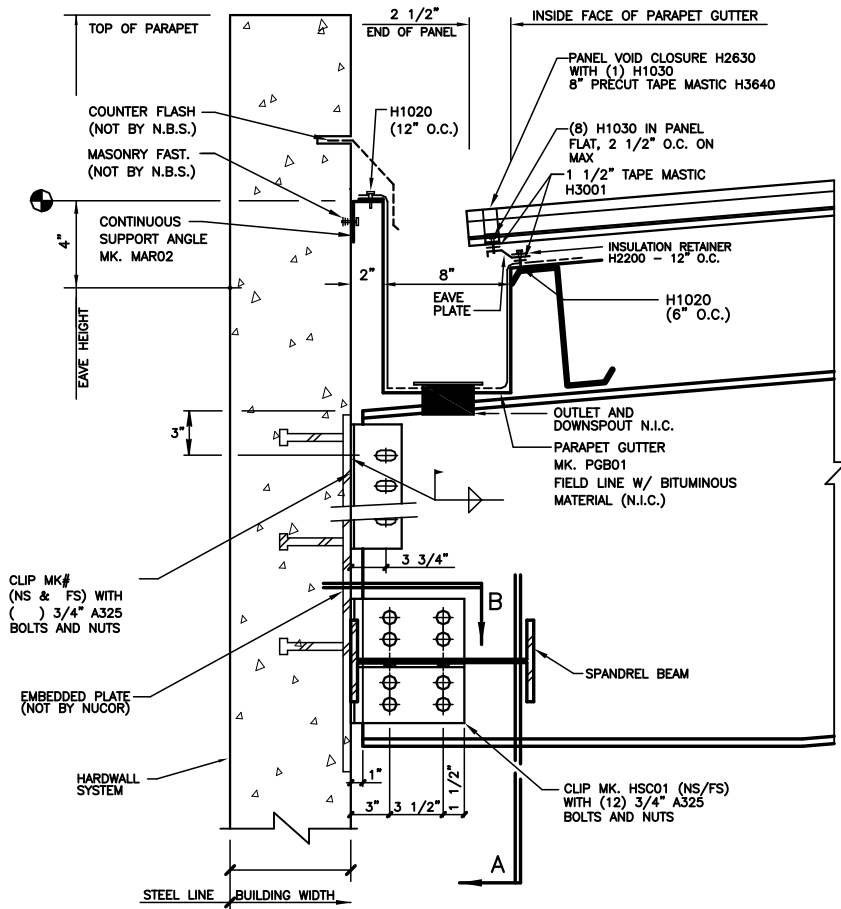
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
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SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

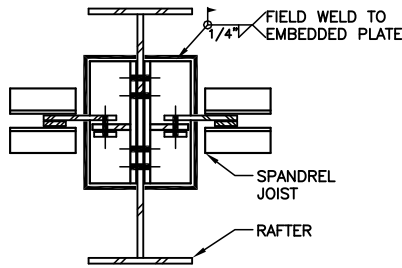
PARAPET SPANDREL BEAM: CFR BY NBS (NON-DIAPHRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

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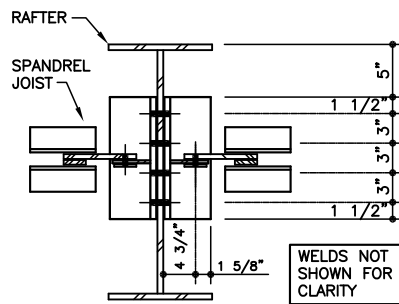


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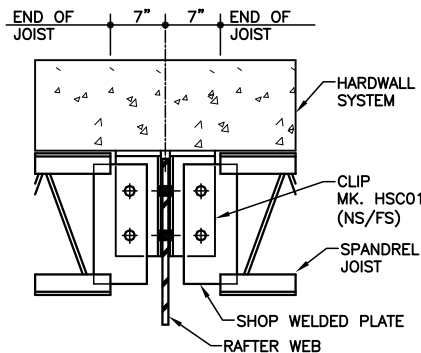
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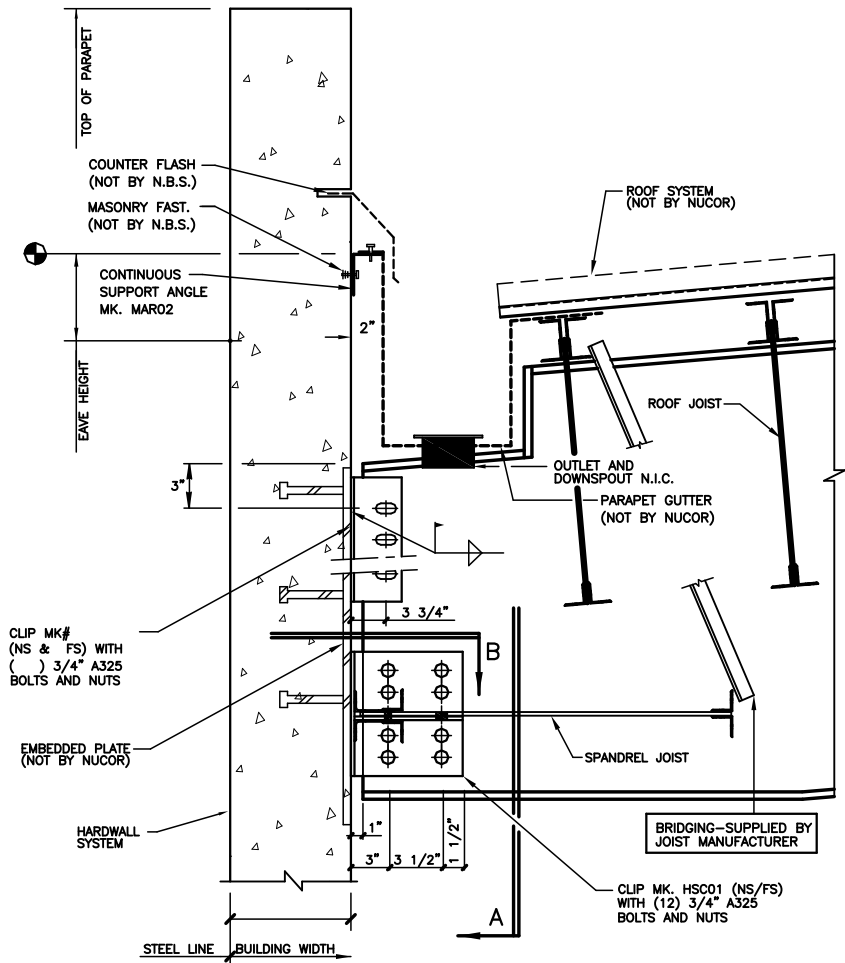
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

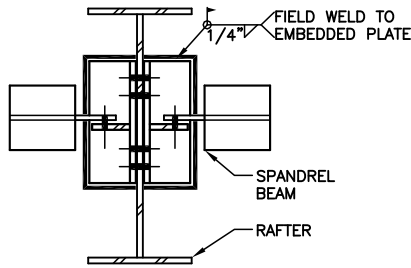
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REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

KA6050

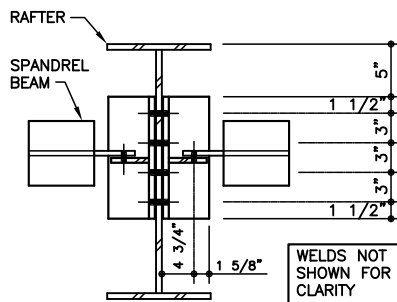


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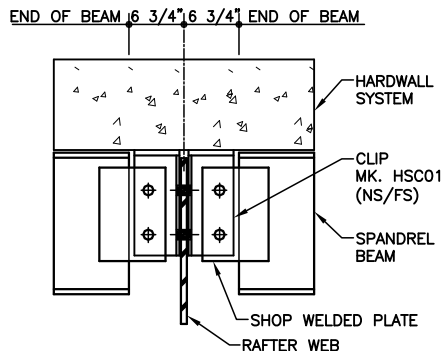
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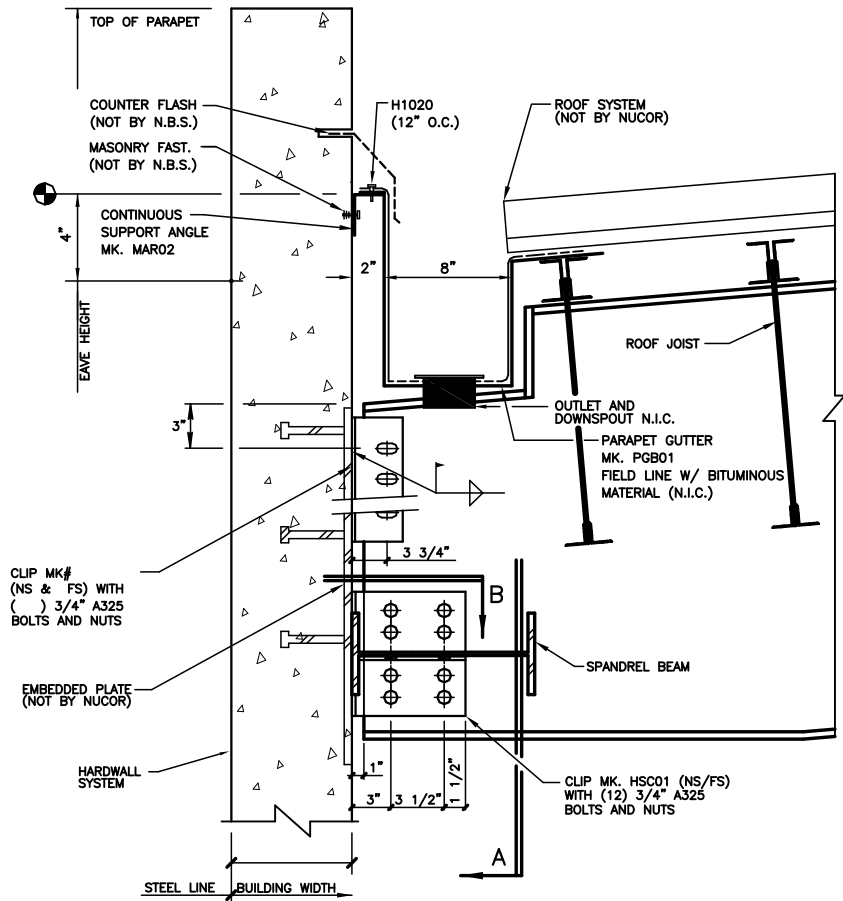
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

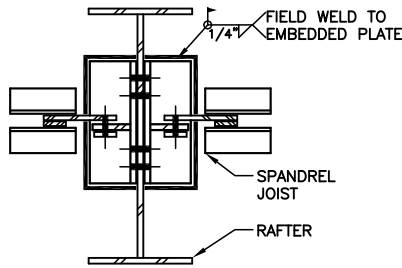
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REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

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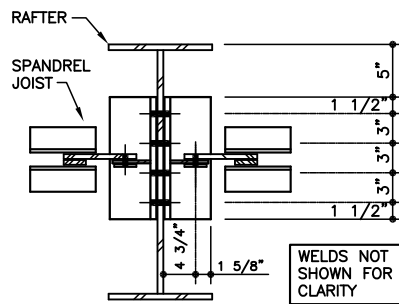


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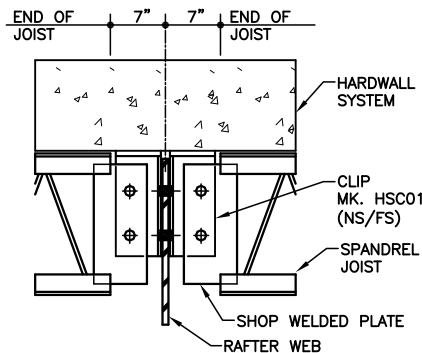
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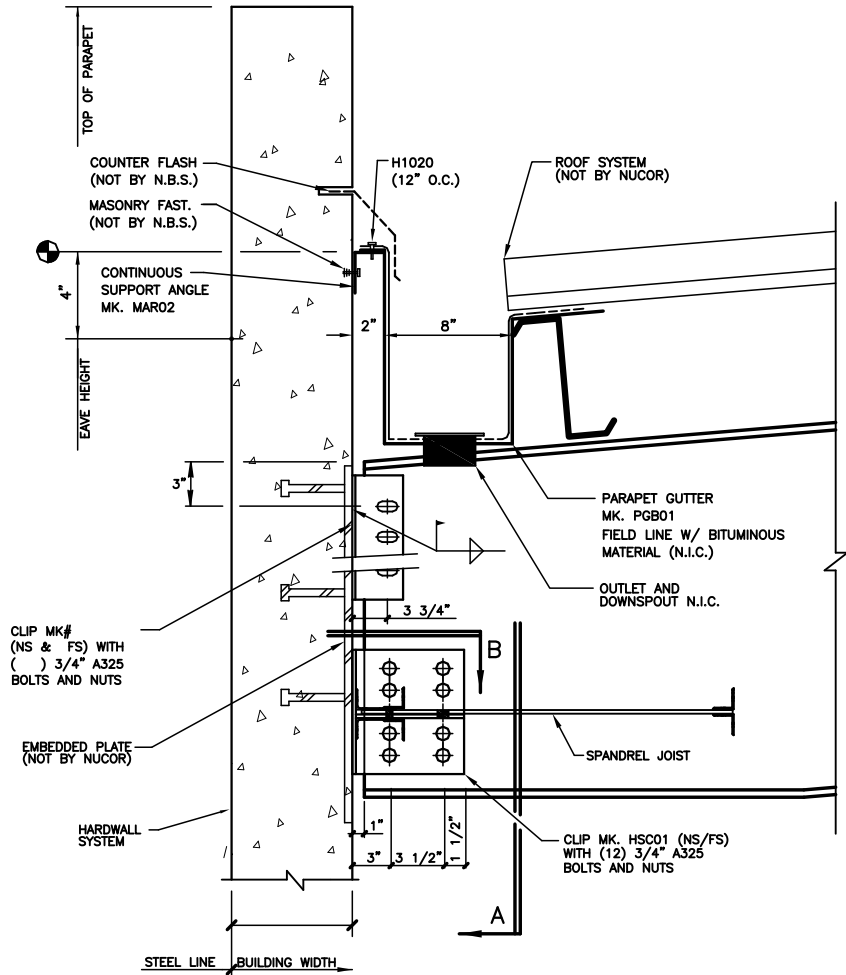
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

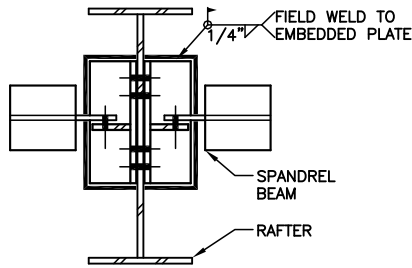
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REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

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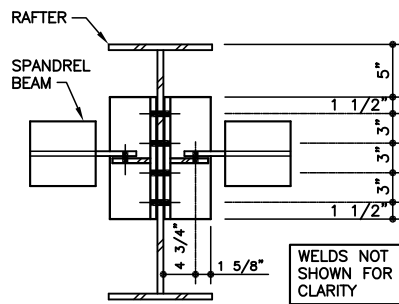


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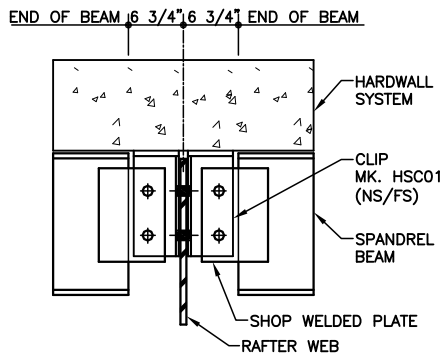
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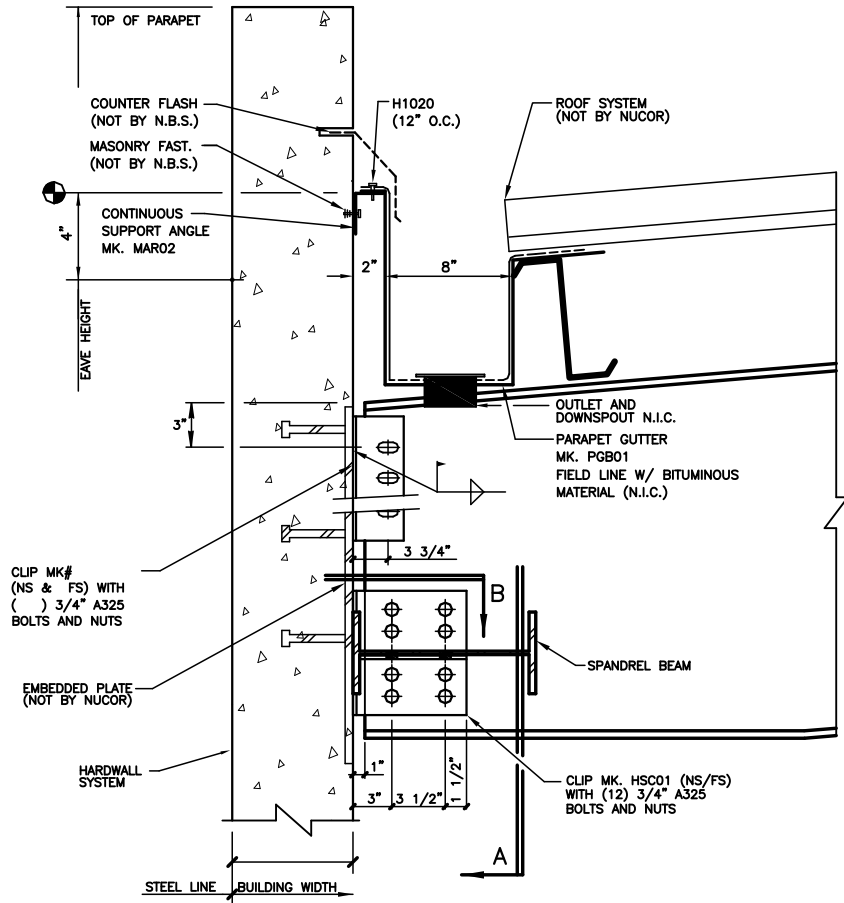
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

PARAPET SPANDREL BEAM: ROOF NOT BY NBS (NON-DIAPHRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

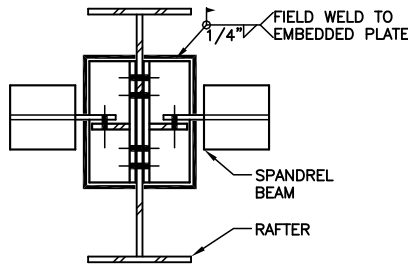
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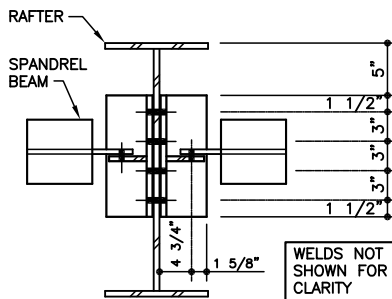
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NON-PARAPET EAVE BEAM DETAILS

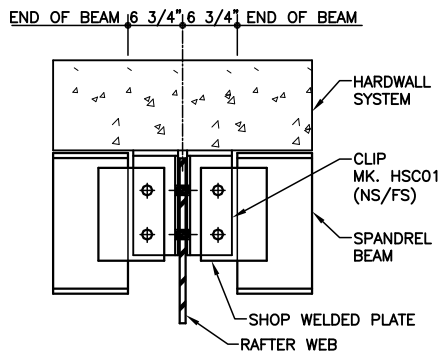
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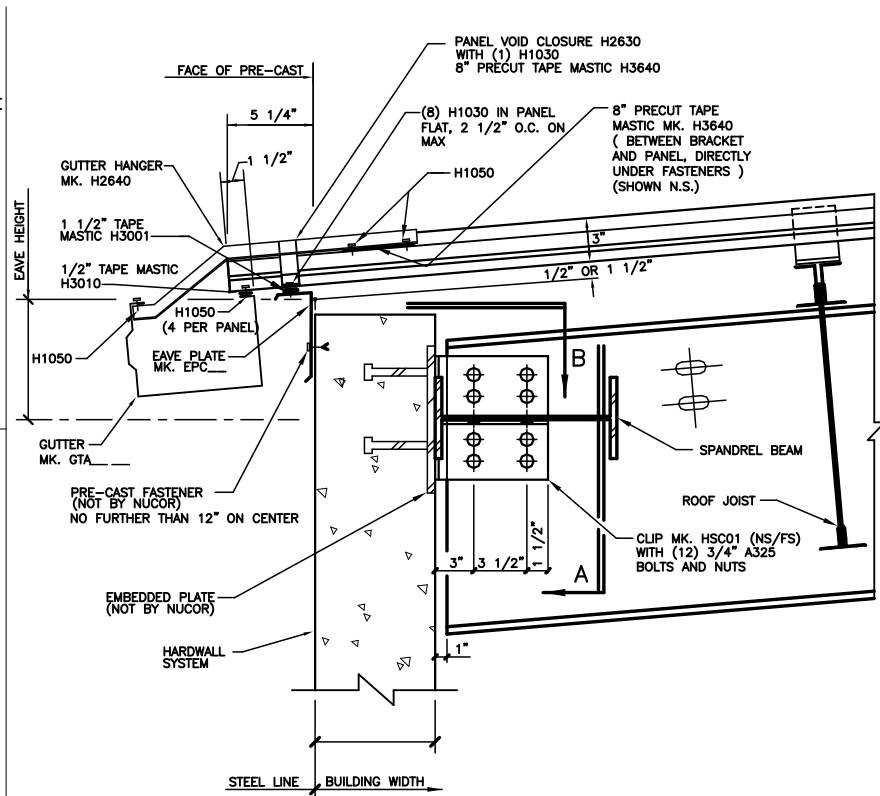
SECTION A – WELD DETAIL
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TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



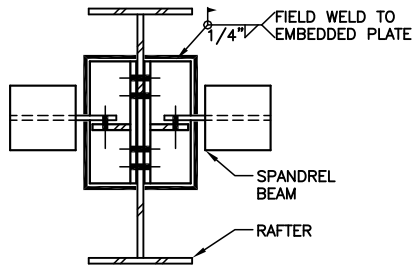
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NON-PARAPET EAVE BEAM: CFR BY NBS (NON-DIAPHRAGM)

KA6060

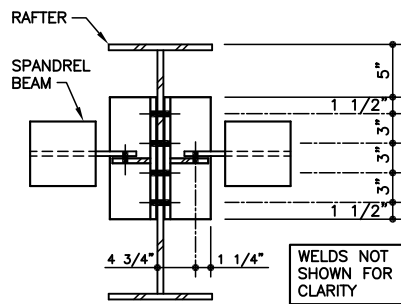


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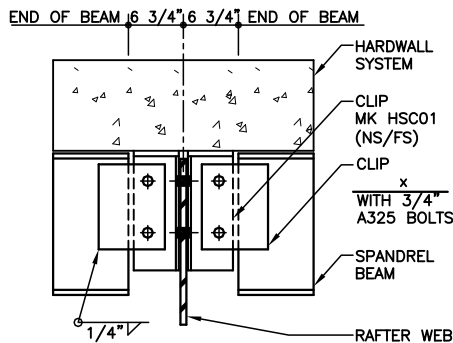
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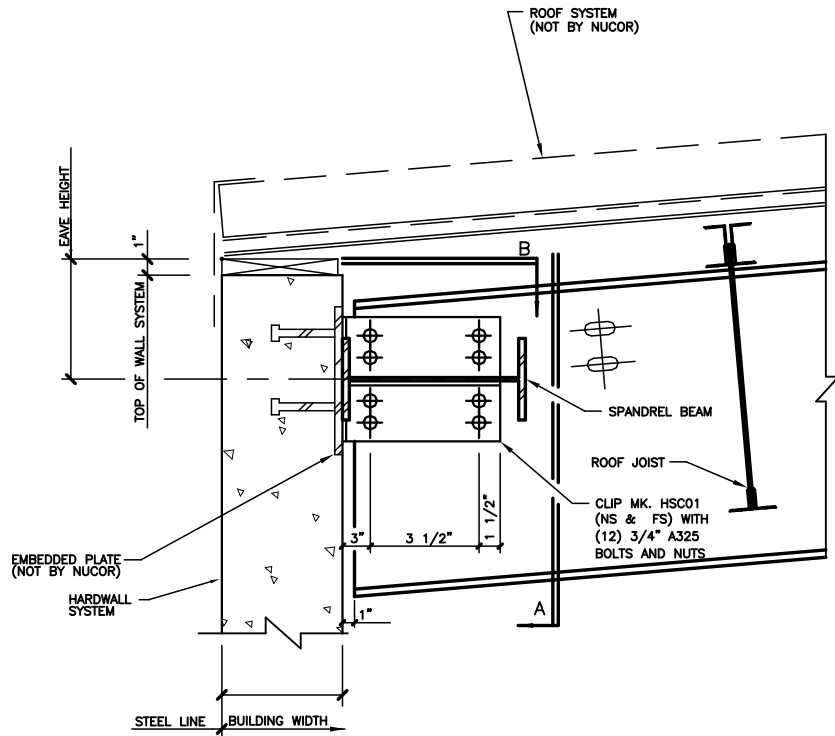
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



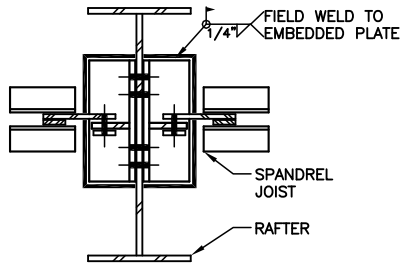
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: ROOF NOT BY NBS (NON-DIAPHRAGM)

(KA6070)

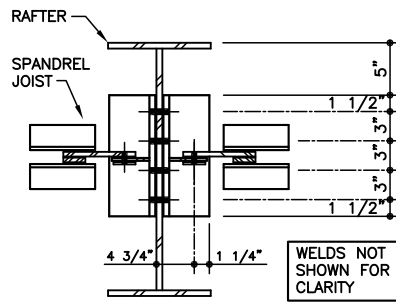


PRODUCT & ENGINEERING MANUAL

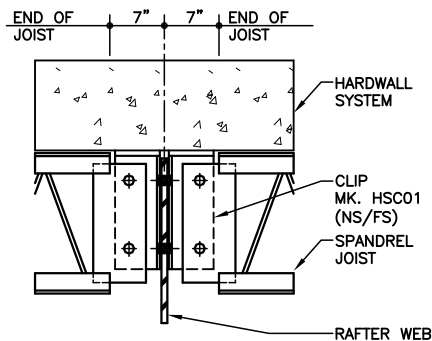
KA6080 – PURLINS, CFR BY NBS (NON-DIAPHRAGM)



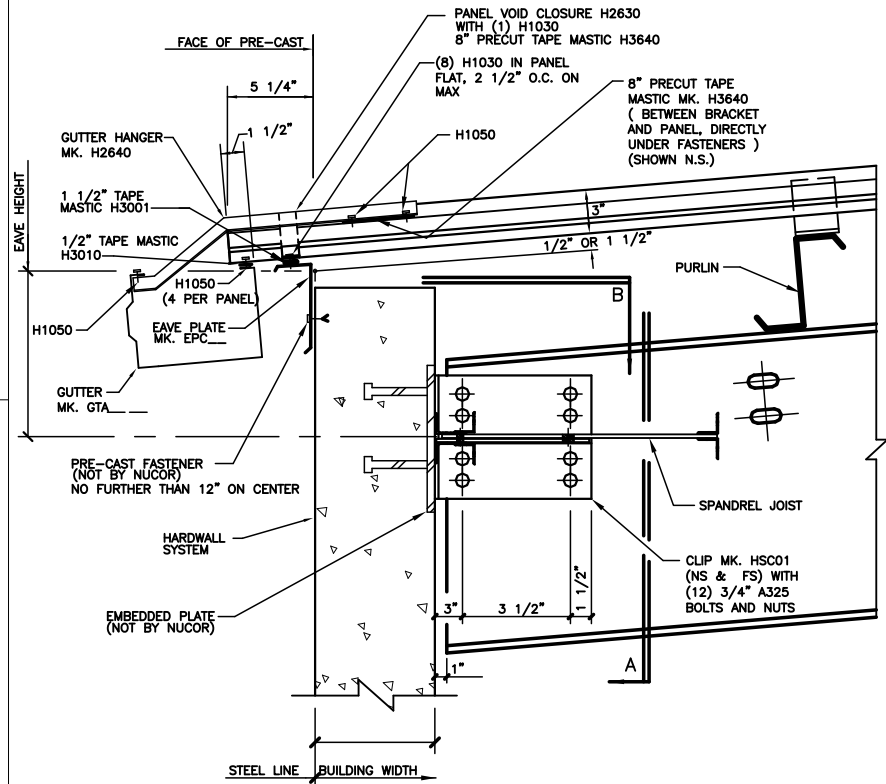
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET JOIST TRUSS, CFR BY NBS (NON-DIAPHRAGM)

(KA6080)

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

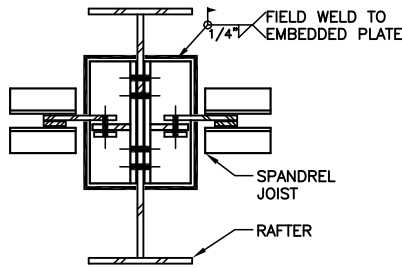
DETAIL NAME IF APPLICABLE
KA6080.DWG

4.9.17

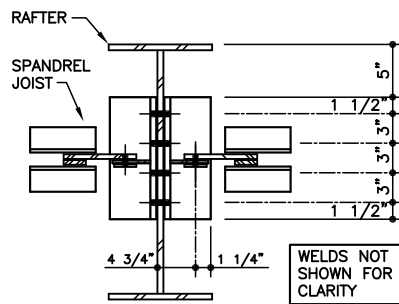


PRODUCT & ENGINEERING MANUAL

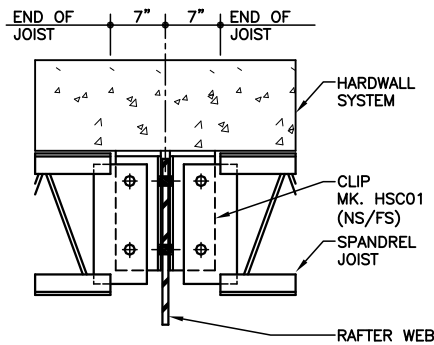
KA6090 – PURLINS, ROOF NOT BY NBS (NON-DIAPHRAGM)



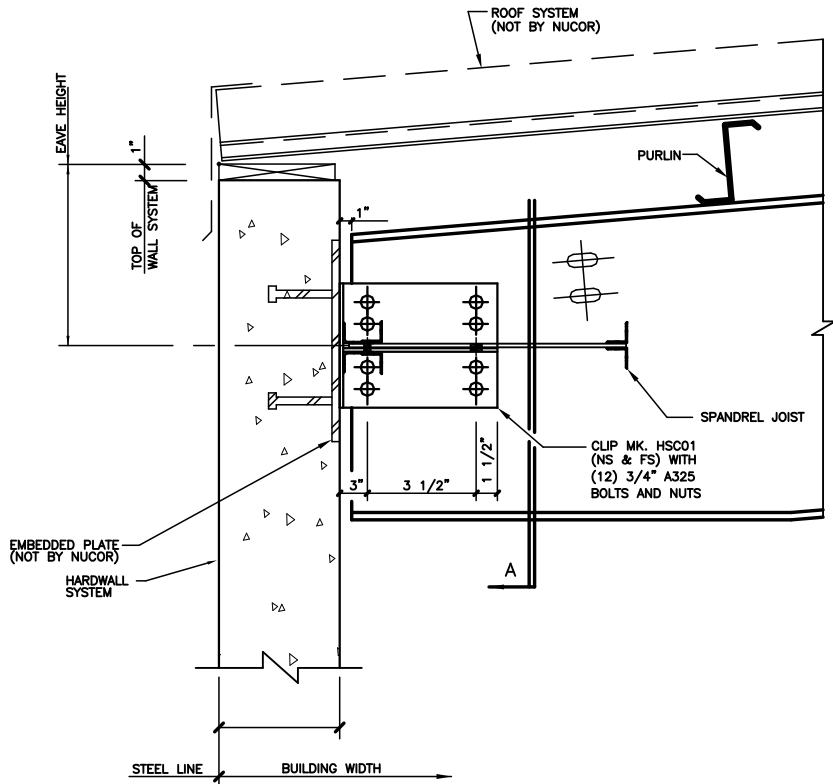
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



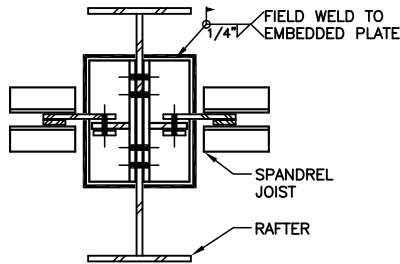
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET JOIST TRUSS: ROOF NOT BY NBS (NON-DIAPHRAGM)

KA6090

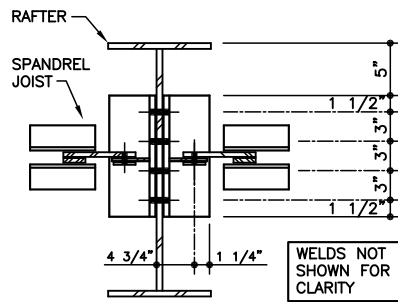


PRODUCT & ENGINEERING MANUAL

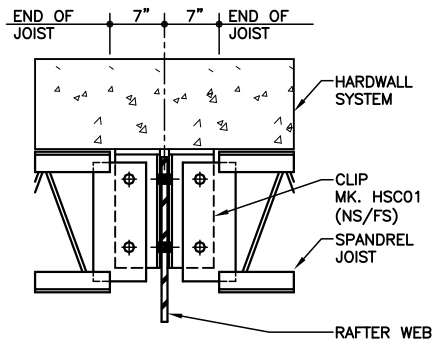
KA6100 – PURLINS, ROOF NOT BY NBS (WITH DIAPHRAGM)



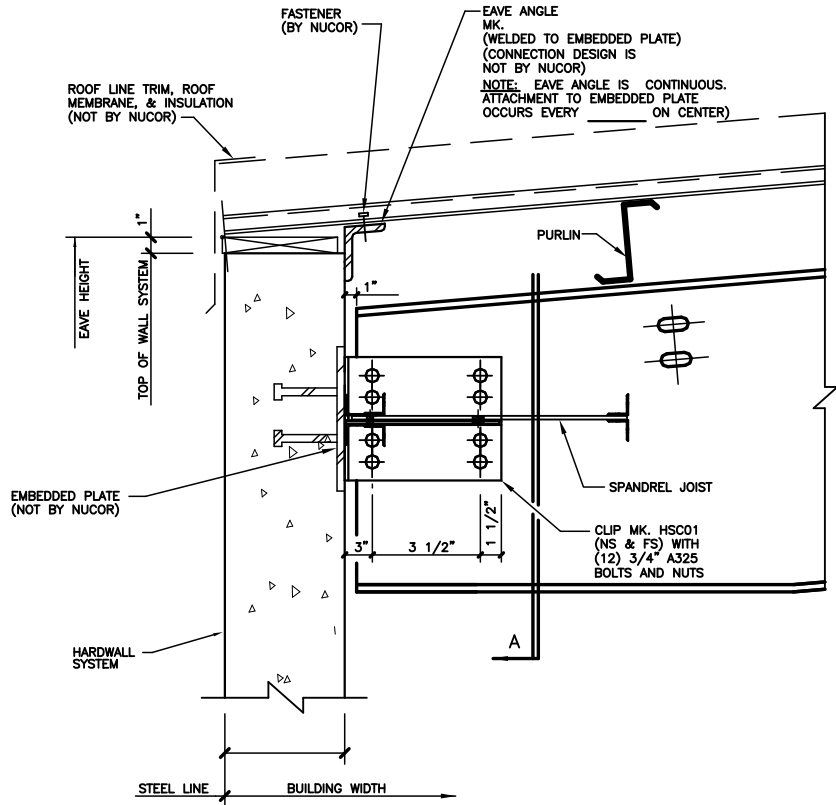
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



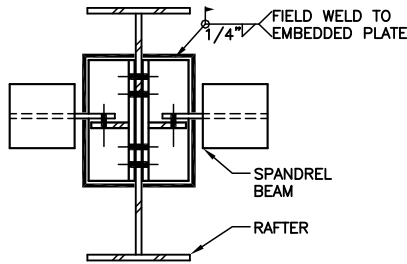
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET: ROOF NOT BY NBS (WITH DIAPHRAGM)

(KA6100)

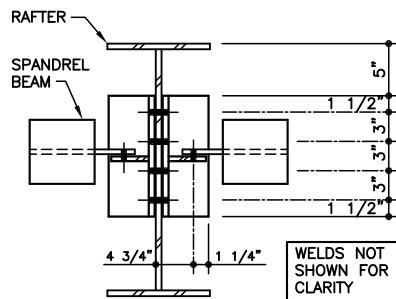


PRODUCT & ENGINEERING MANUAL

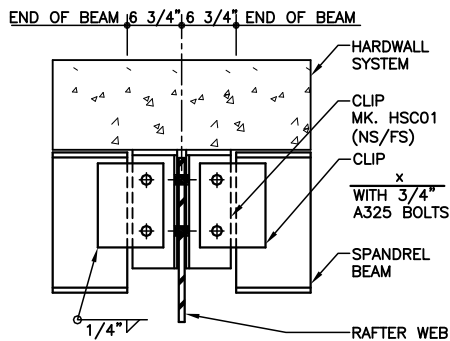
KA6110 – PURLINS, CFR BY NBS (NON-DIAPHRAGM)



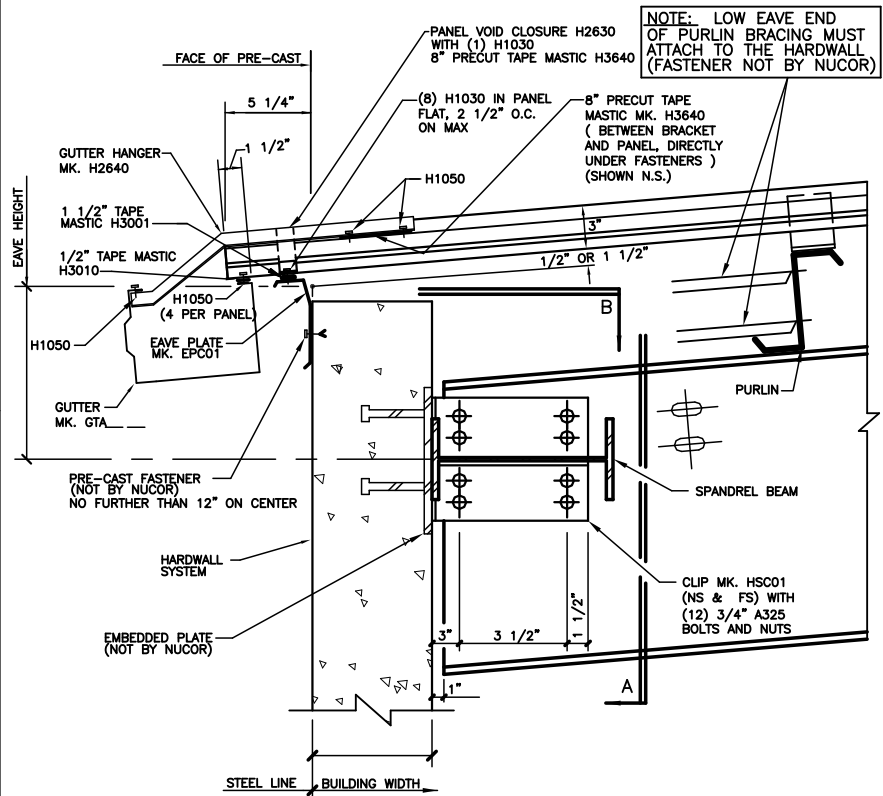
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



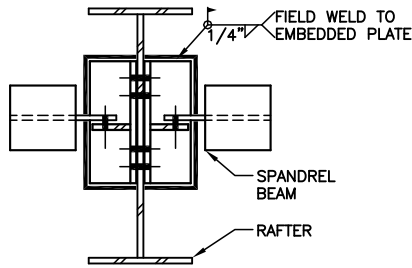
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: CFR BY NBS (NON-DIAPHRAGM)

KA6110

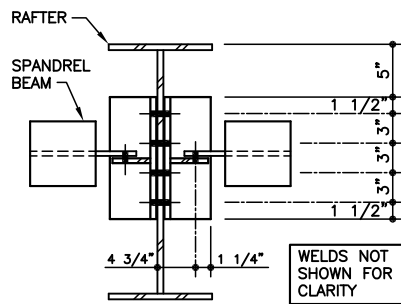


PRODUCT & ENGINEERING MANUAL

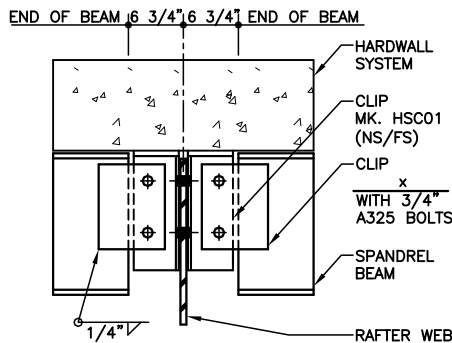
KA6120 – PURLINS, ROOF NOT BY NBS (NON-DIAPHRAGM)



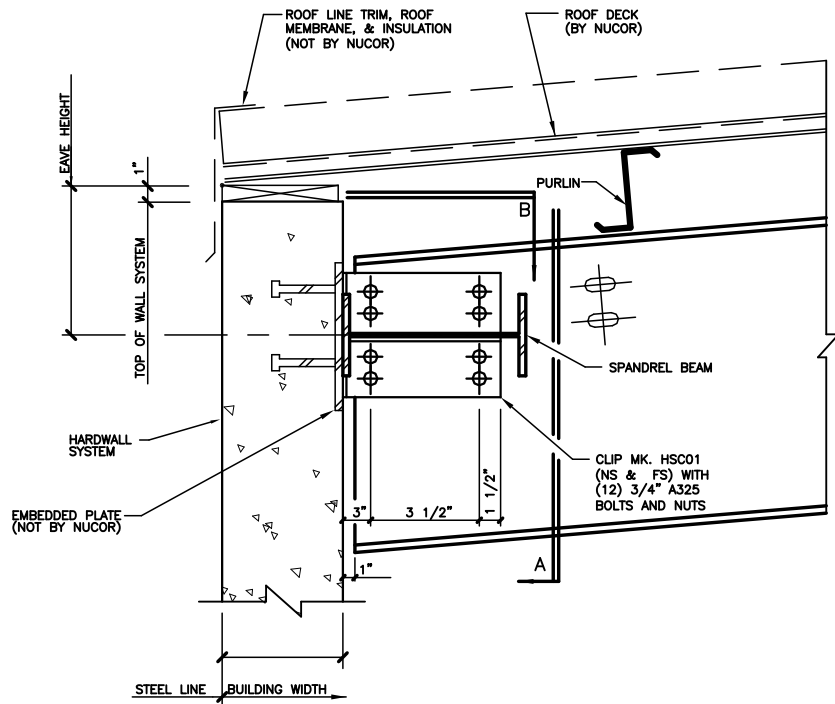
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



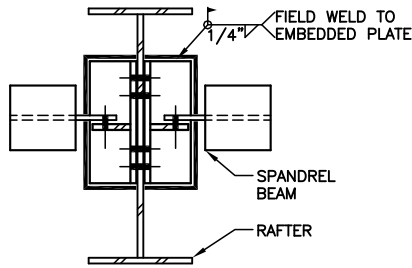
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: ROOF NOT BY NBS (NON-DIAPHRAGM)

KA6120

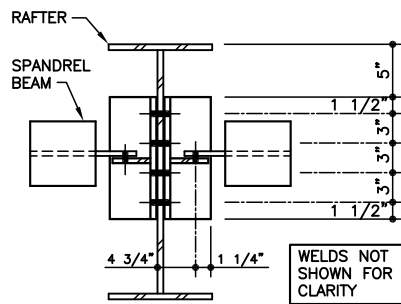


PRODUCT & ENGINEERING MANUAL

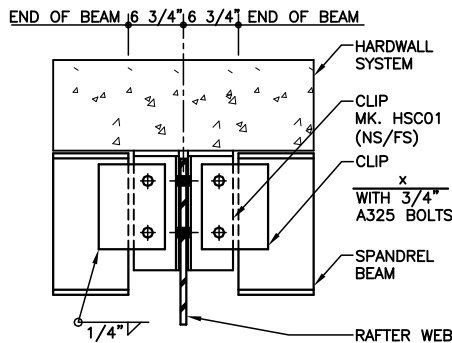
KA6130 – JOISTS, ROOF NOT BY NBS (WITH-DIAPHRAGM)



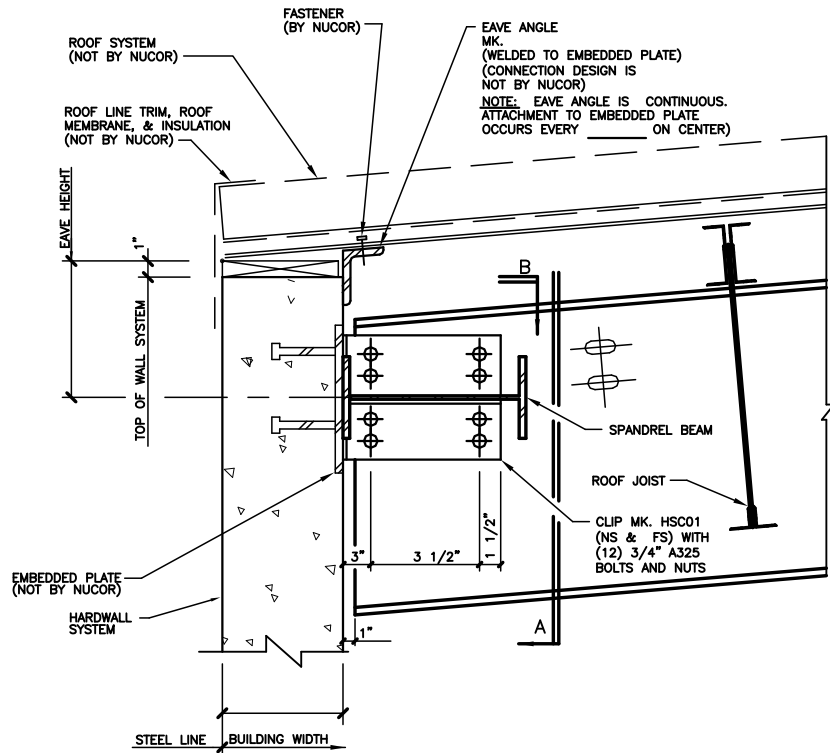
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



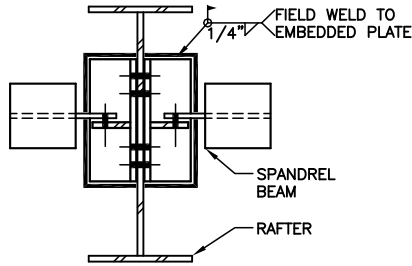
LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: ROOF NOT BY NBS (WITH-DIAPHRAGM)

KA6130

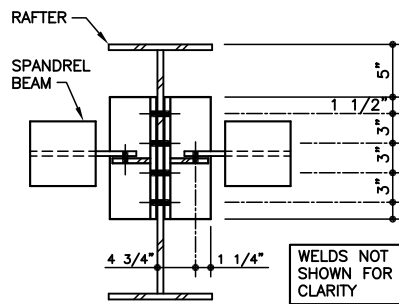


PRODUCT & ENGINEERING MANUAL

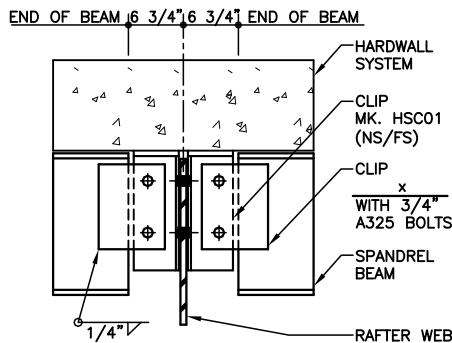
KA6140 – PURLINS, ROOF NOT BY NBS (WITH-DIAPHRAGM)



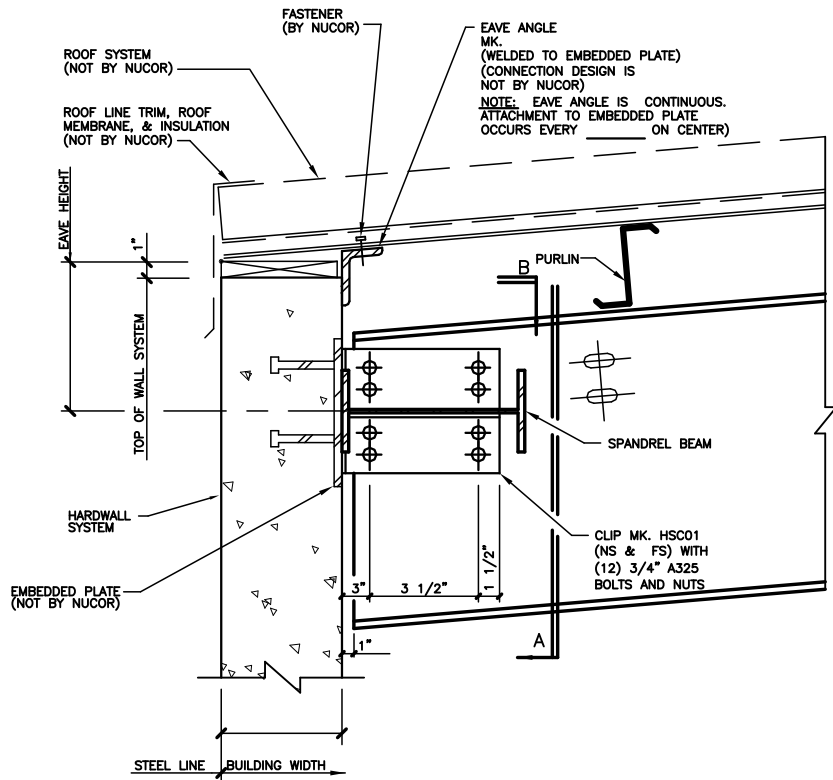
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: ROOF NOT BY NBS (WITH-DIAPHRAGM)

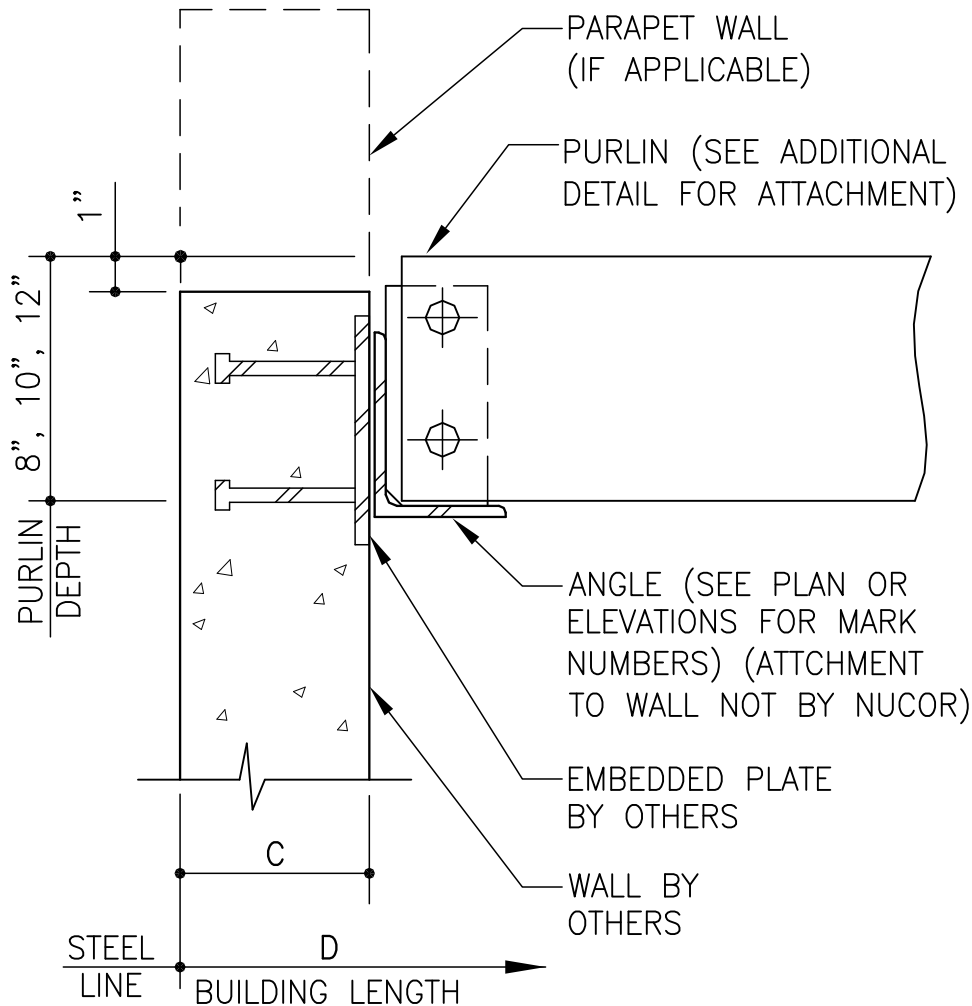
KA6140



PRODUCT & ENGINEERING MANUAL

B: ENDWALL STRUCTURAL CONDITIONS

BO0300 – ENDWALL RAKE ANGLE WITH PURLINS



LOAD BEARING PRE-CAST OR TILT-UP WALL DETAIL

ENDWALL RAKE ANGLE WITH PURLINS

BO0300

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

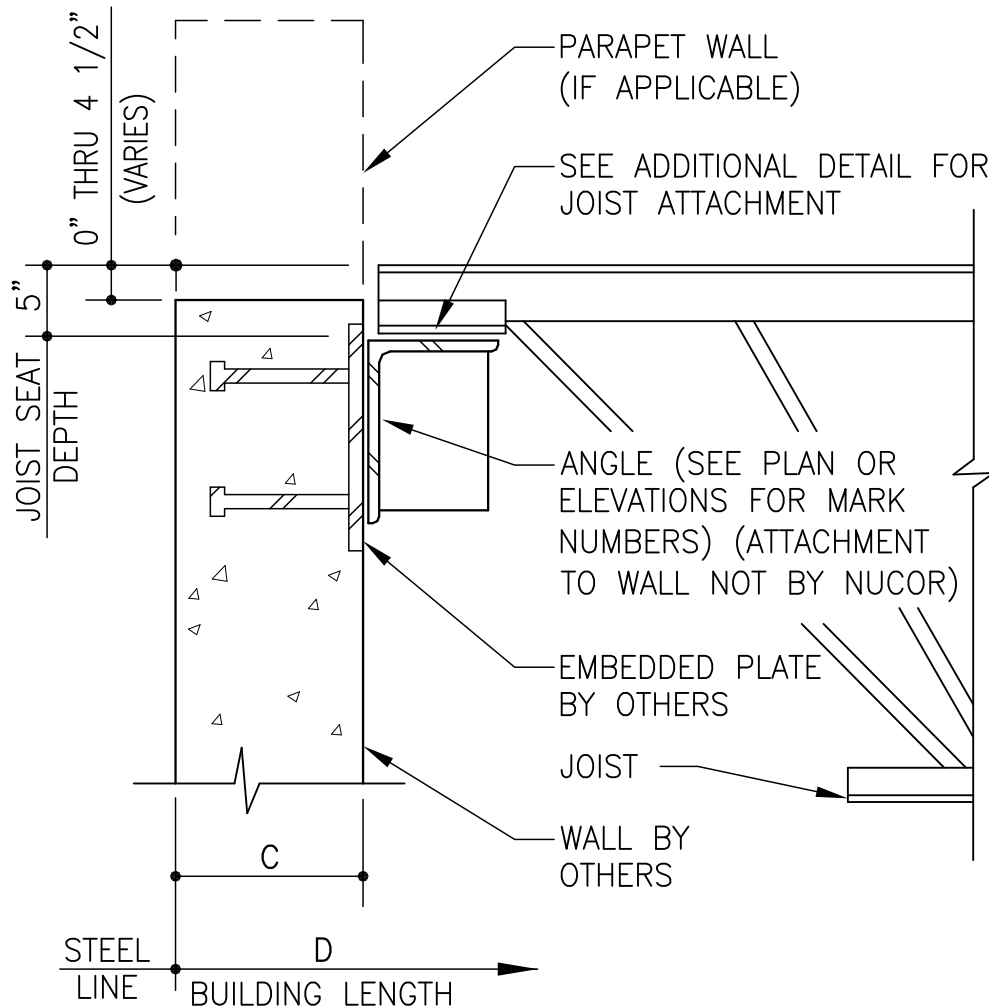
DETAIL NAME IF APPLICABLE
BO0300.DWG

4.9.24



PRODUCT & ENGINEERING MANUAL

BO0310 – ENDWALL RAKE ANGLE WITH JOIST (LIGHT LOADING)



LOAD BEARING PRE-CAST OR TILT-UP WALL DETAIL

ENDWALL RAKE ANGLE WITH JOISTS

BO0310

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

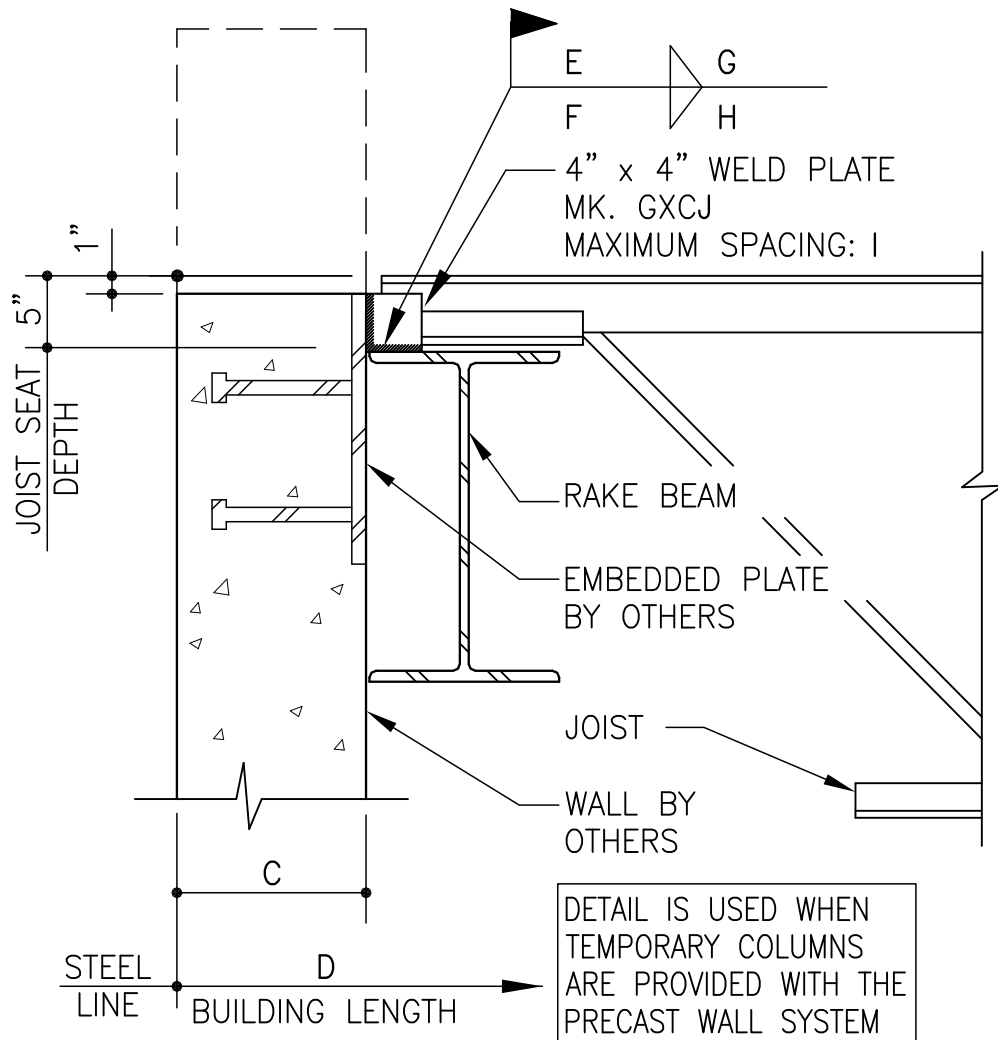
DETAIL NAME IF APPLICABLE
BO0310.DWG

4.9.25



PRODUCT & ENGINEERING MANUAL

BO0320 – ENDWALL RAKE ANGLE WITH JOIST (HEAVY LOADING)



LOAD BEARING PRE-CAST OR TILT-UP WALL DETAIL

ENDWALL RAKE BEAM WITH JOISTS

BO0320

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
BO0320.DWG

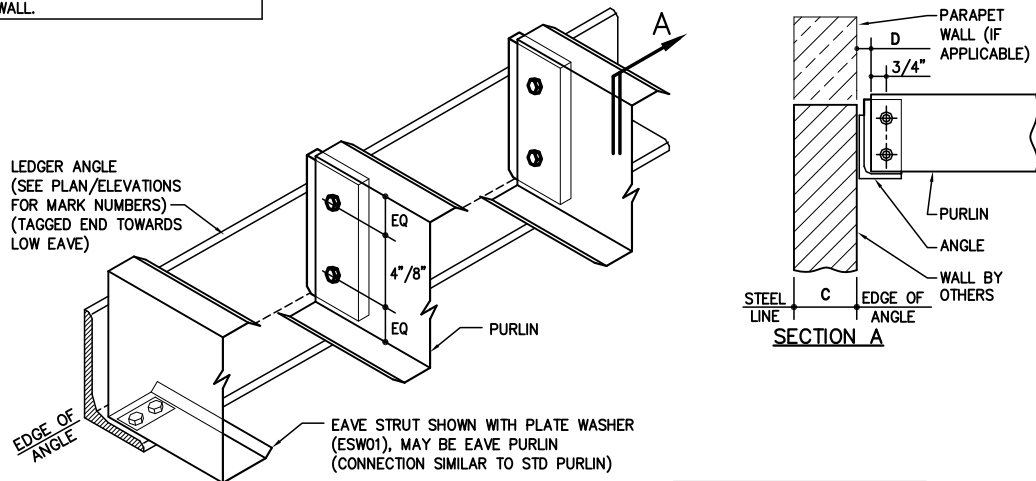
4.9.26



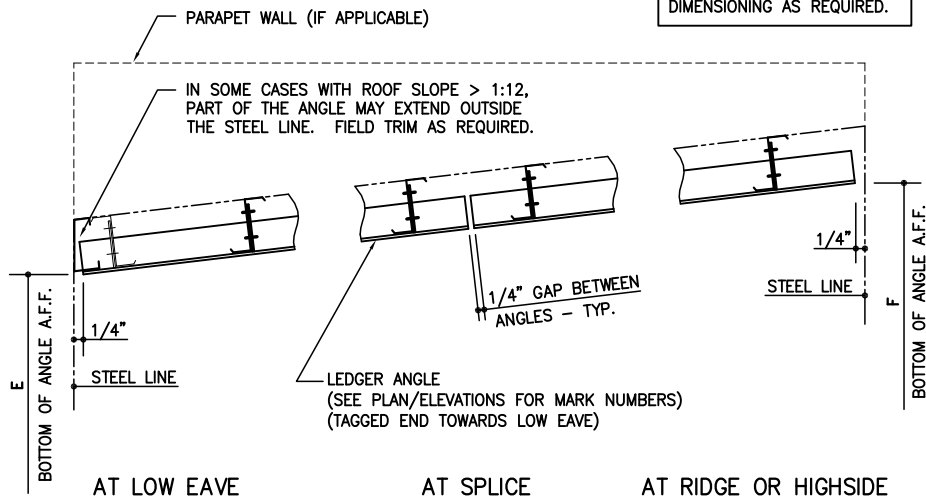
PRODUCT & ENGINEERING MANUAL

BO0500- PURLIN (STD RAKE OR RAKE PARAPET)

SUPPLY AND DESIGN OF CONNECTION OF ANGLE TO WALL BY OTHERS NOT BY NUCOR. ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH PURLIN LOCATION. NUCOR WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.



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



LEDGER ANGLE DETAIL

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

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
BO0500.DWG

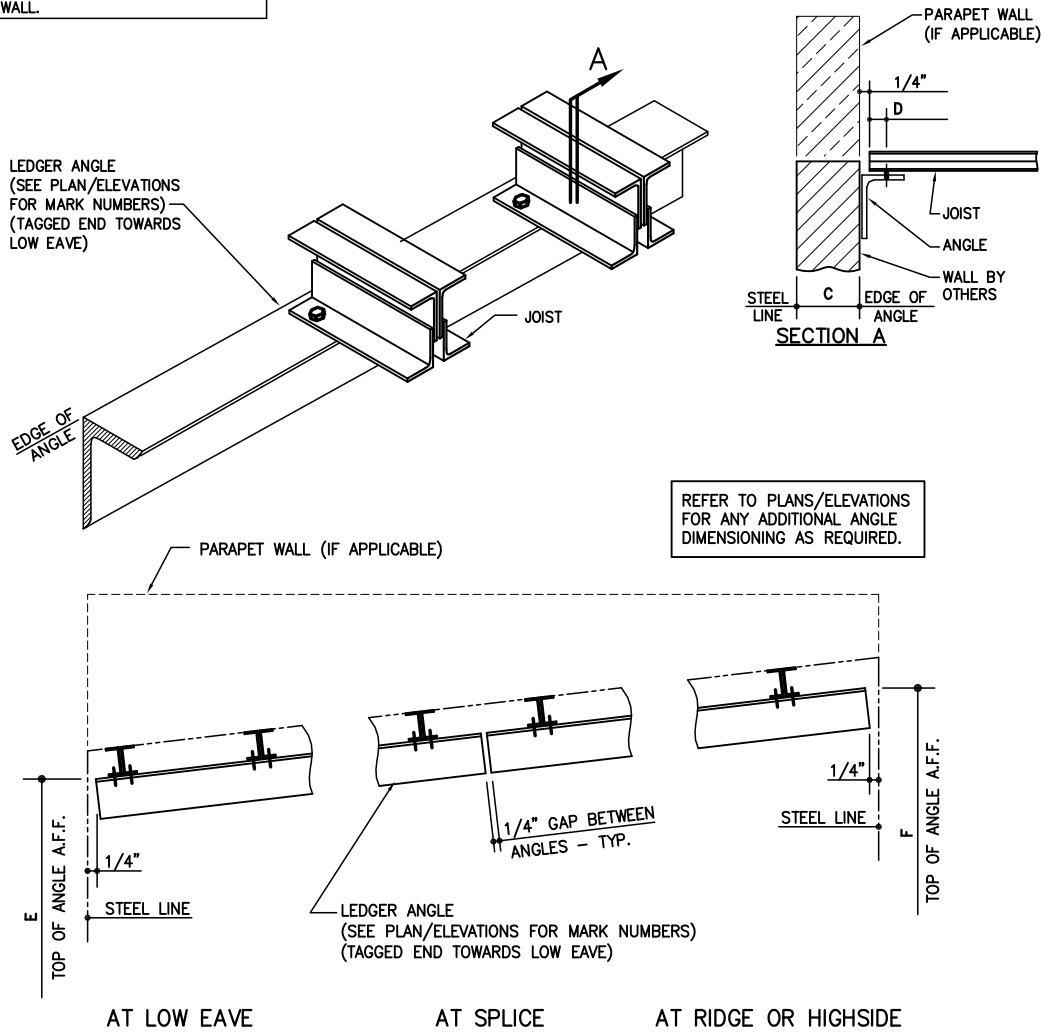
4.9.27



PRODUCT & ENGINEERING MANUAL

BO0520- JOIST (BOLTED)

SUPPLY AND DESIGN OF CONNECTION OF ANGLE TO WALL BY OTHERS NOT BY NUCOR. ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION. NUCOR WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.



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

LEDGER ANGLE DETAIL

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

BO0520

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE

BO0520.DWG

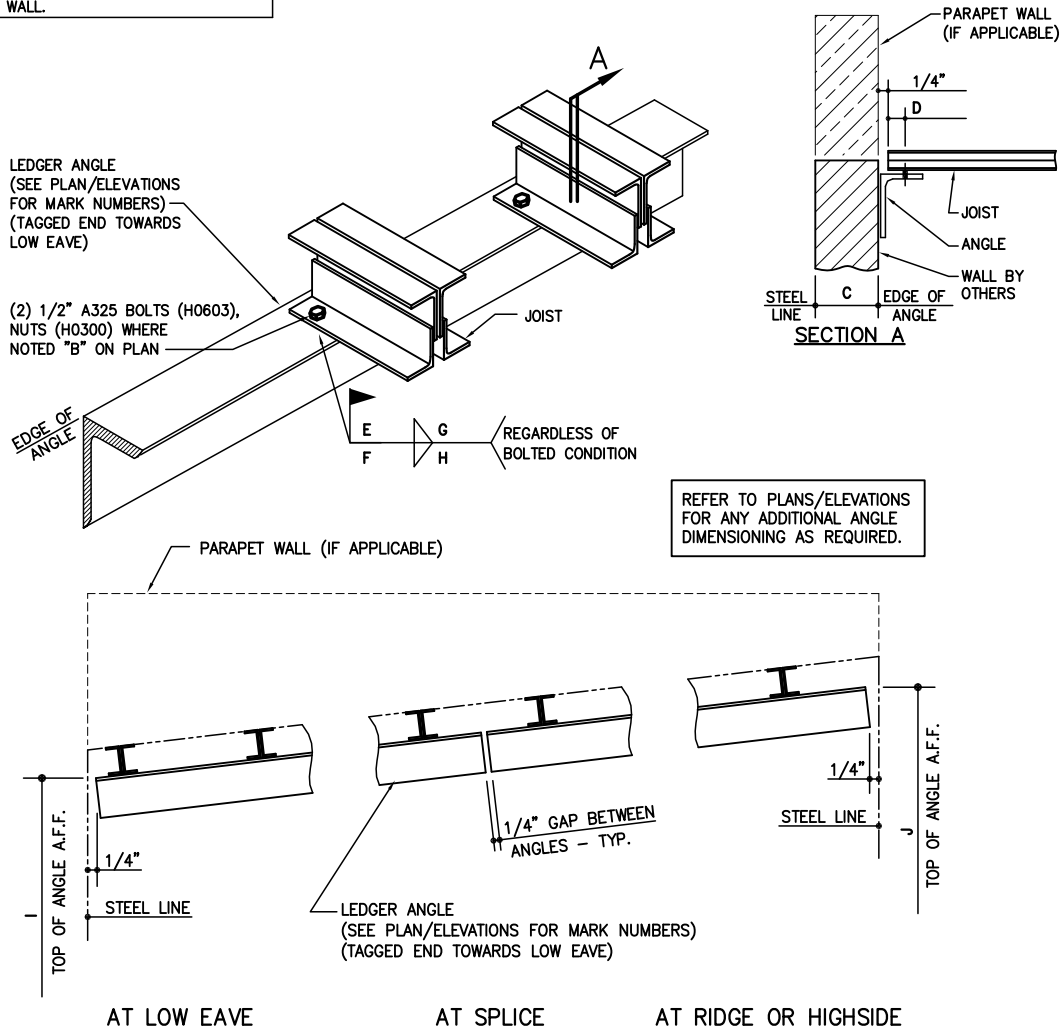
4.9.28



PRODUCT & ENGINEERING MANUAL

BO0530 – JOIST (WELDED)

SUPPLY AND DESIGN OF CONNECTION OF ANGLE TO WALL BY OTHERS NOT BY NUCOR. ATTACHMENT OF ANGLE SHOULD BE NO MORE THAN 6" AWAY FROM EACH JOIST LOCATION. NUCOR WILL NOT PREP THE ANGLE FOR THIS ATTACHMENT TO THE WALL.



LEDGER ANGLE DETAIL

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

BO0530

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE

BO0530.DWG

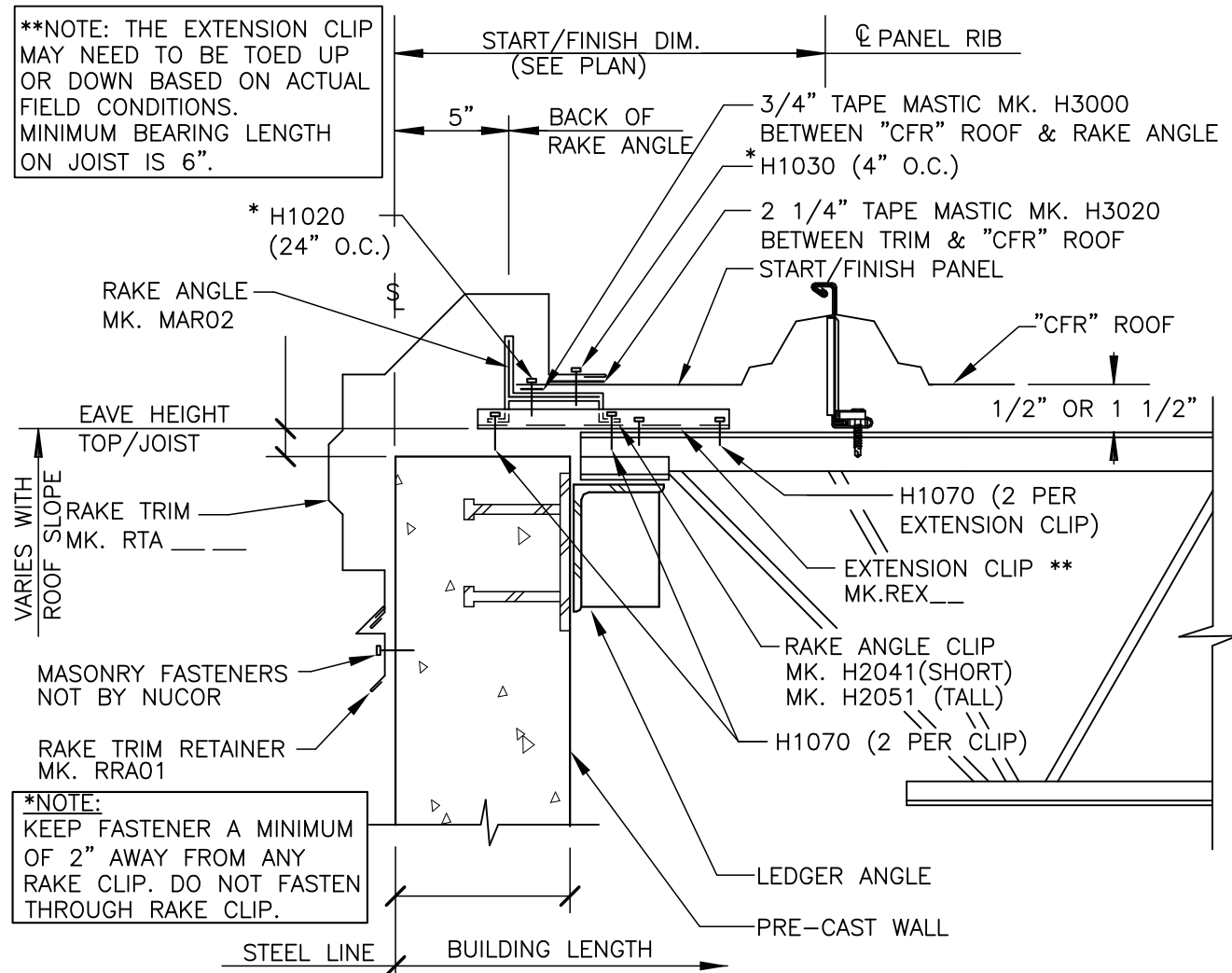
4.9.29



PRODUCT & ENGINEERING MANUAL

C: ENDWALL SHEETING CONDITIONS NON-PARAPET – JOIST DETAILS

KC6010 – CFR BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

STANDARD RAKE: CFR BY NBS

KC6010

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

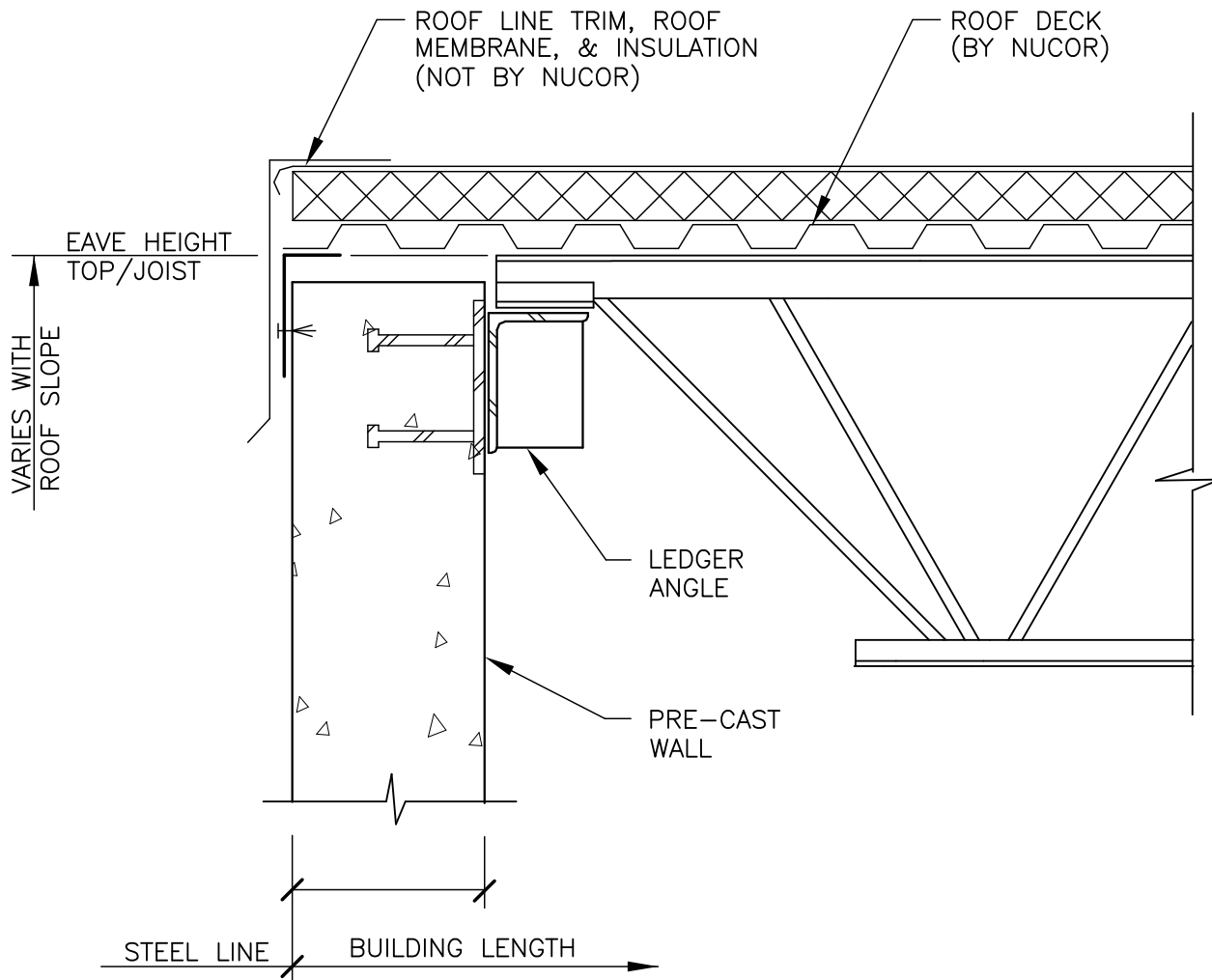
DETAIL NAME IF APPLICABLE
KC6010.DWG

4.9.30



PRODUCT & ENGINEERING MANUAL

KC6020 – ROOF NOT BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

NON-PARAPET: ROOF NOT BY NBS

KC6020

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
KC6020.DWG

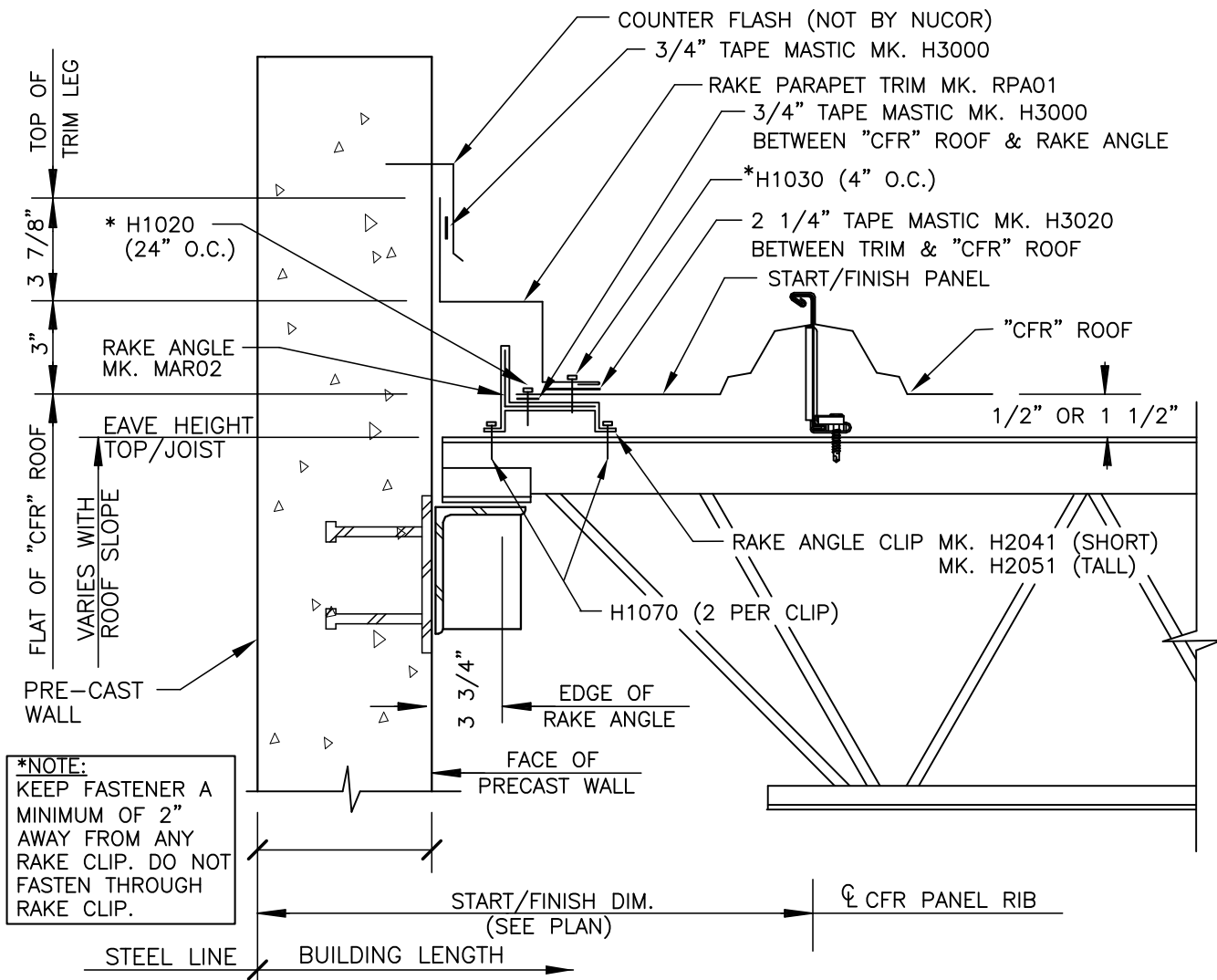
4.9.31



PRODUCT & ENGINEERING MANUAL

PARAPET – JOIST DETAILS

KC6030 – CFR BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

PARAPET: CFR BY NBS

KC6030

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

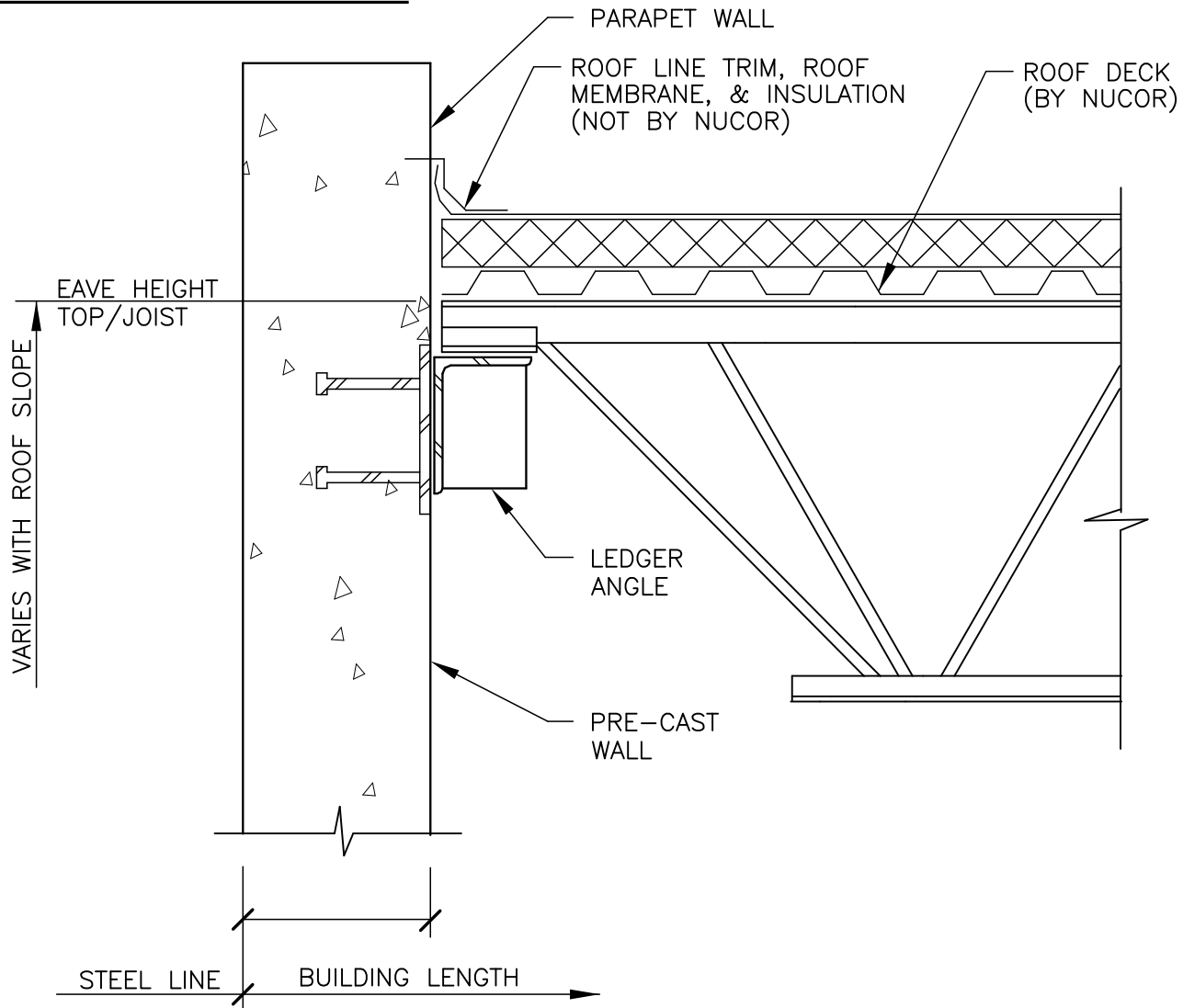
DETAIL NAME IF APPLICABLE
KC6030.DWG

4.9.32



PRODUCT & ENGINEERING MANUAL

KC6040 – ROOF NOT BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

PARAPET: ROOF NOT BY NBS

KC6040

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
KC6040.DWG

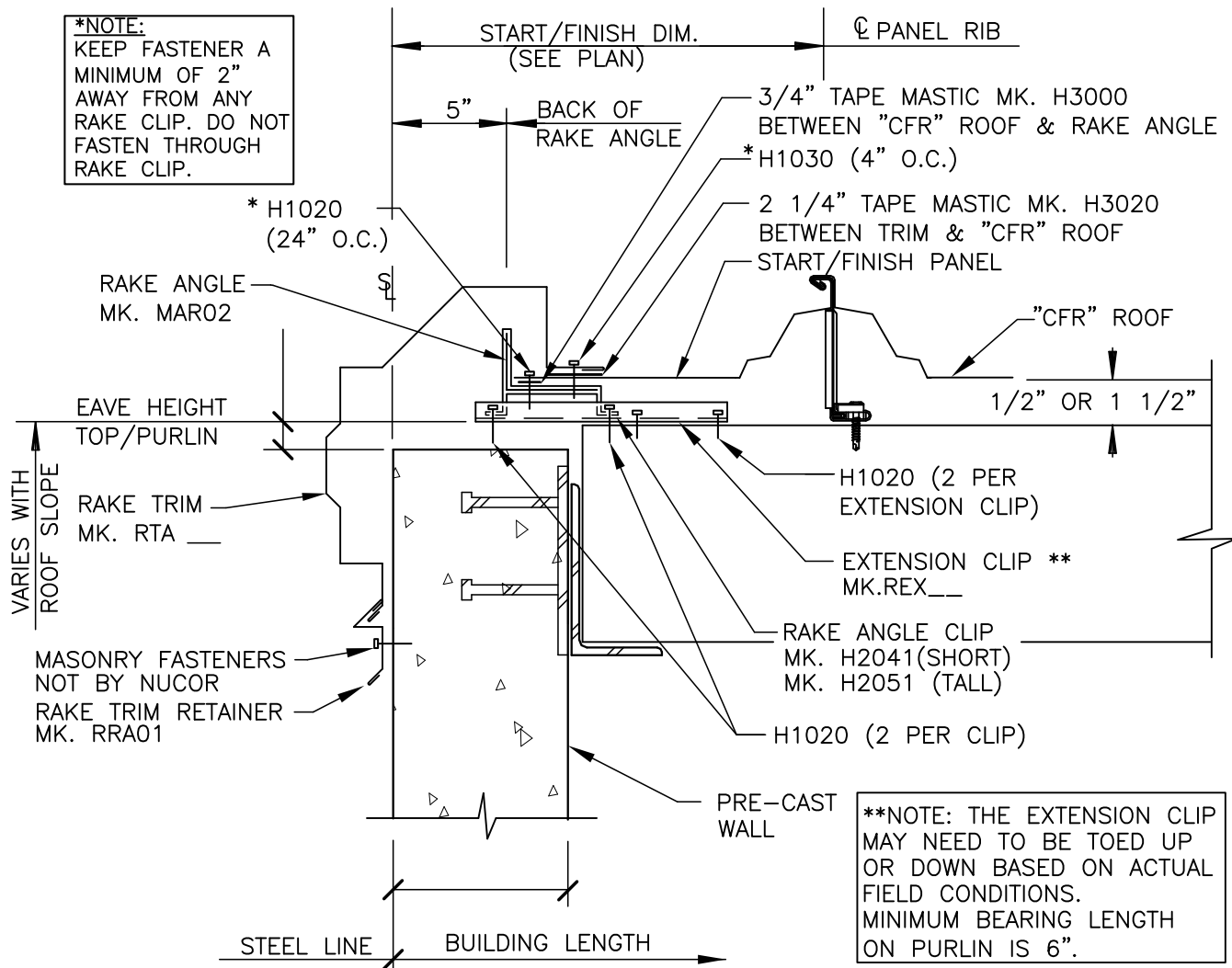
4.9.33



PRODUCT & ENGINEERING MANUAL

NON-PARAPET – PURLIN DETAILS

KC6050 – CFR BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

STANDARD RAKE: CFR BY NBS

KC6050

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

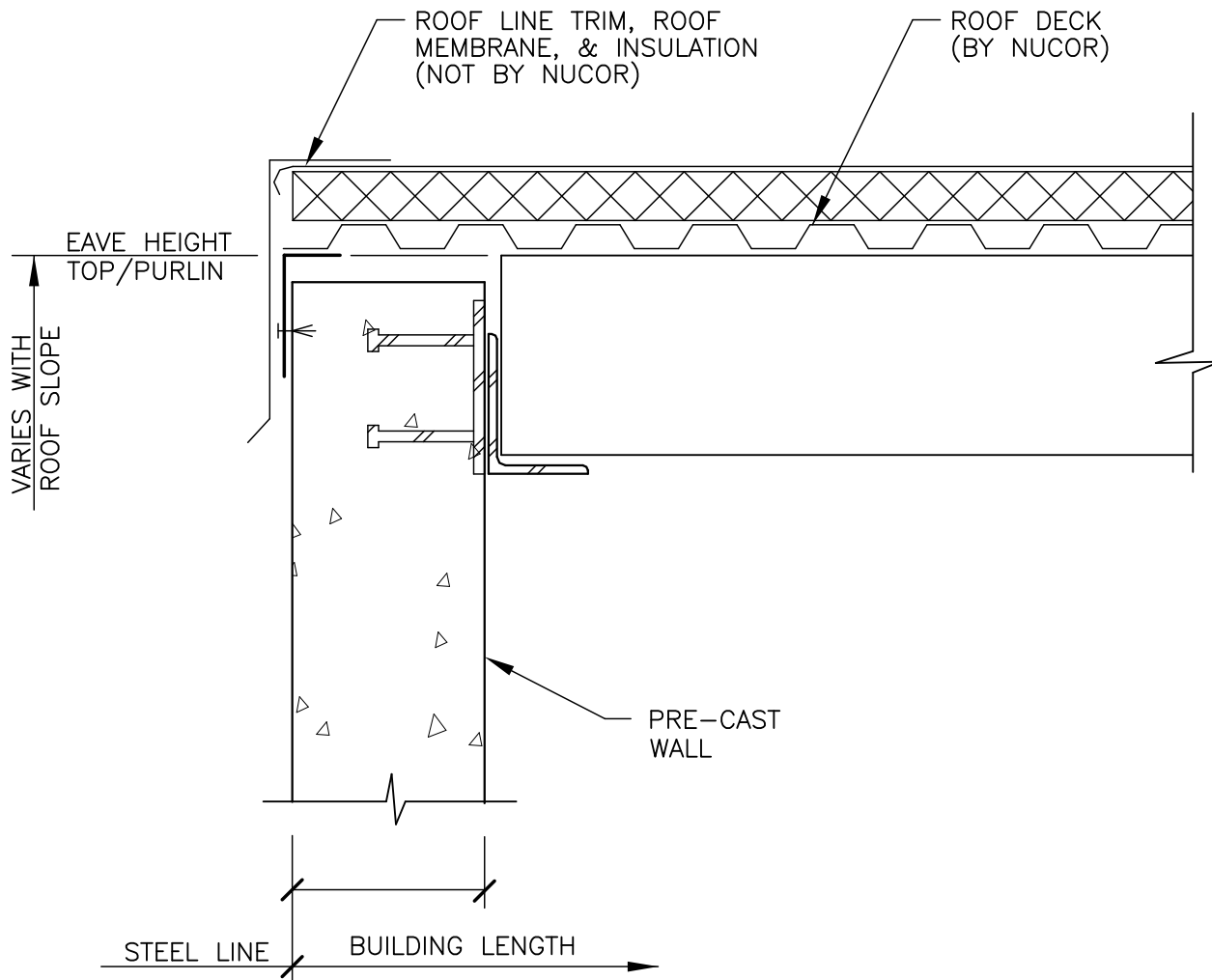
DETAIL NAME IF APPLICABLE
KC6050.DWG

4.9.34



PRODUCT & ENGINEERING MANUAL

KC6060 – ROOF NOT BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

NON-PARAPET: ROOF NOT BY NBS

KC6060

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
KC6060.DWG

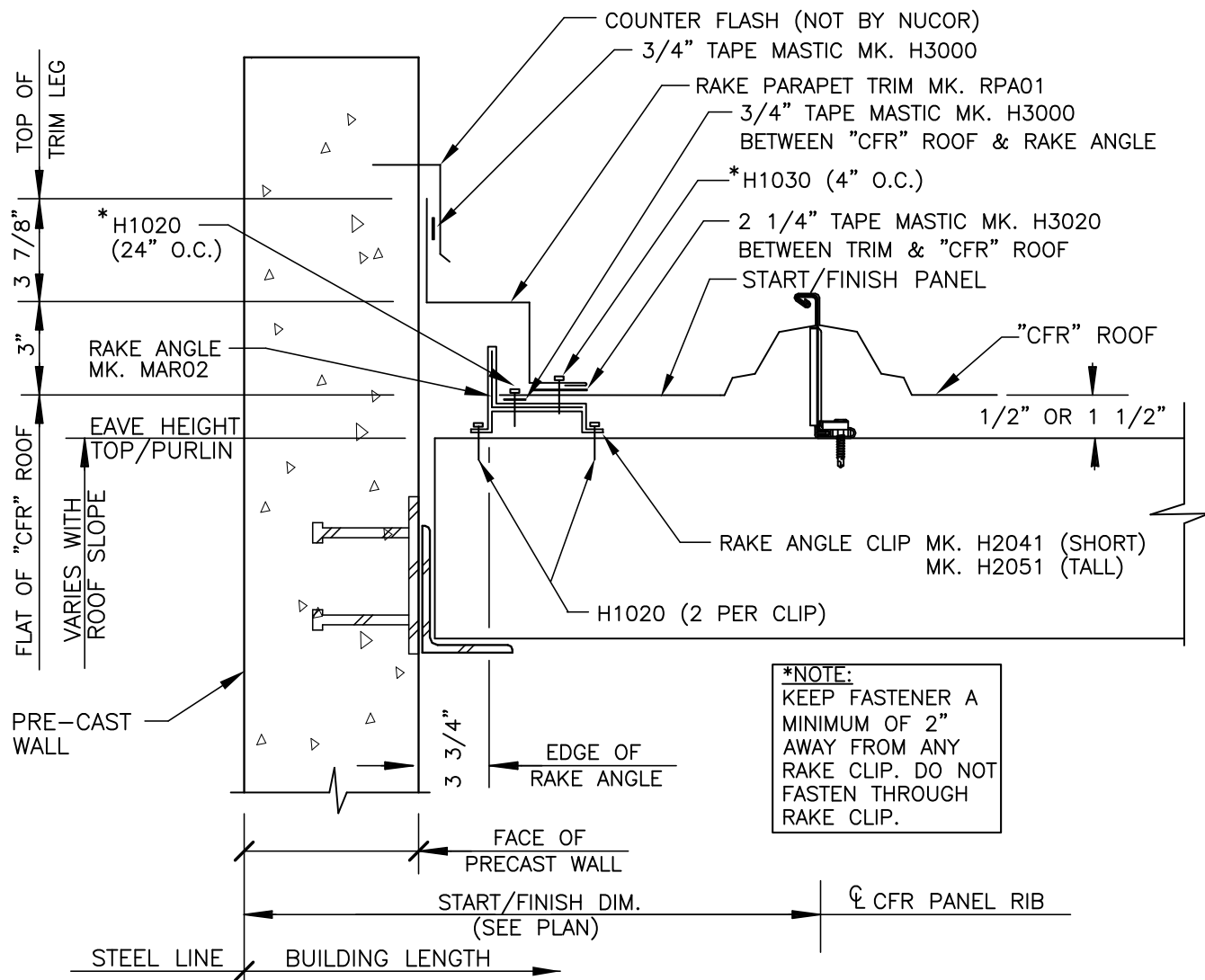
4.9.35



PRODUCT & ENGINEERING MANUAL

PARAPET – PURLIN DETAILS

KC6070 – CFR BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

PARAPET: CFR BY NBS

KC6070

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

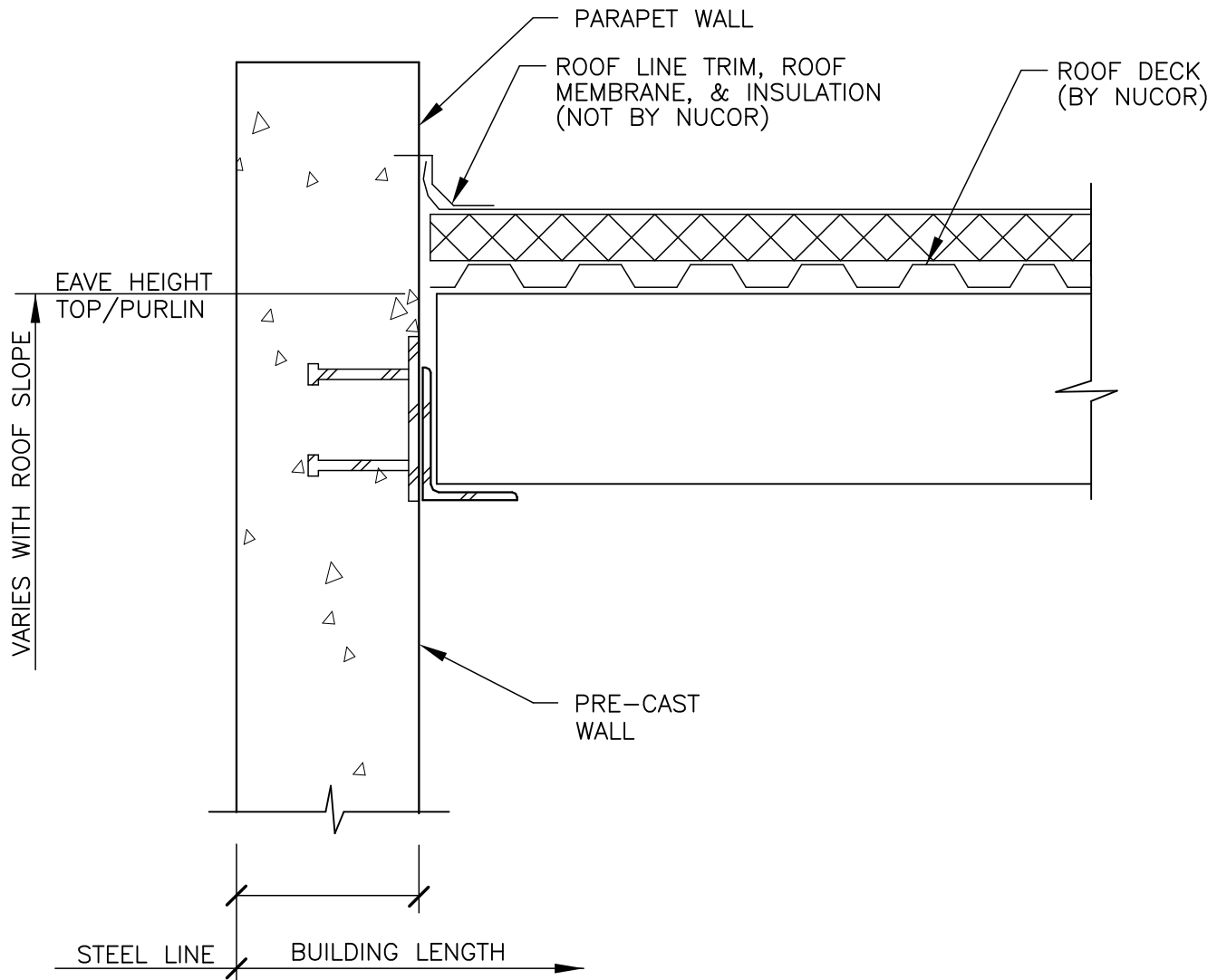
DETAIL NAME IF APPLICABLE
KC6070.DWG

4.9.36



PRODUCT & ENGINEERING MANUAL

KC6080 – ROOF NOT BY NBS



LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

PARAPET: ROOF NOT BY NBS

KC6080

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

DETAIL NAME IF APPLICABLE
KC6080.DWG

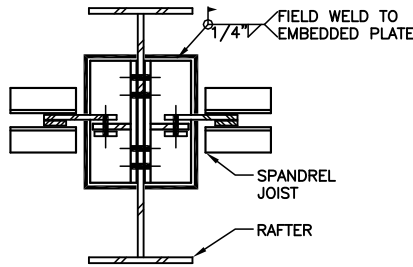
4.9.37



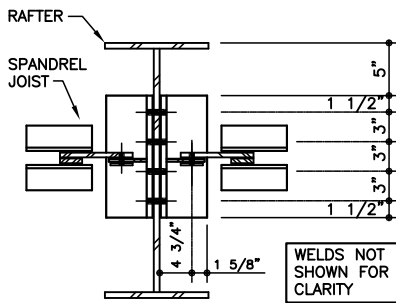
PRODUCT & ENGINEERING MANUAL

D: HIGH EAVE SCULPTURED CONDITIONS

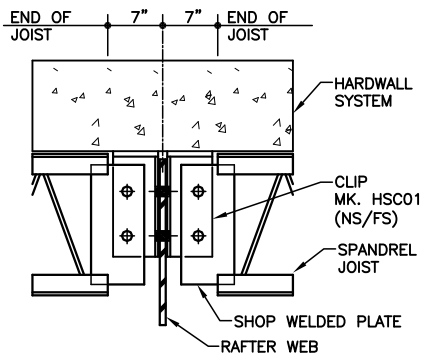
KD6010 – JOISTS, CFR, JOIST STRUT (NON-DIAPHRAGM)



SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



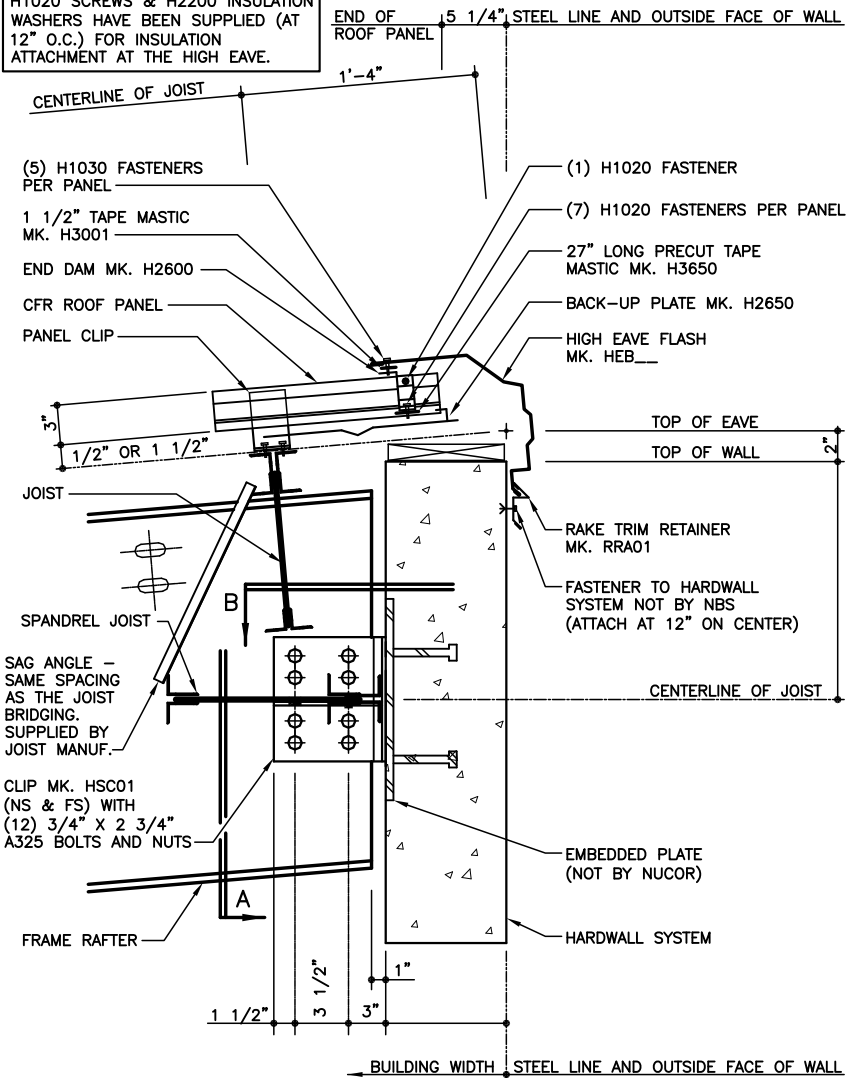
TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

ERECTOR NOTE:

H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED (AT 12" O.C.) FOR INSULATION ATTACHMENT AT THE HIGH EAVE.



LOAD BEARING PRE-CAST/TILT-UP DETAIL

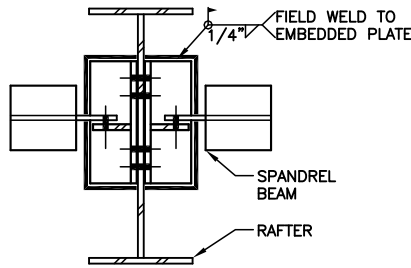
SCULPTURED HIGH EAVE, SPANDREL JOIST, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6010

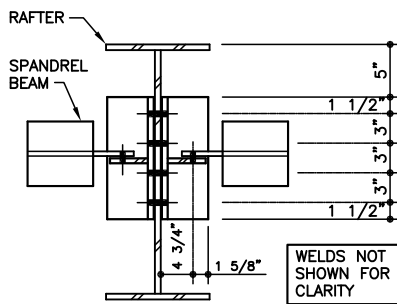


PRODUCT & ENGINEERING MANUAL

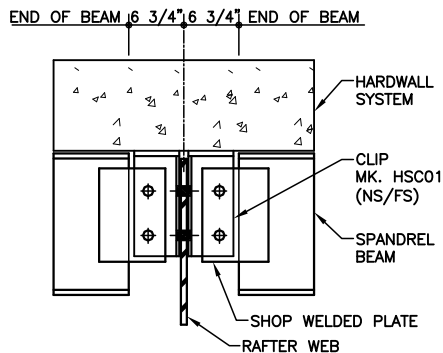
KD6020 – JOISTS, CFR, BU STRUT (NON-DIAPHRAGM)



SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



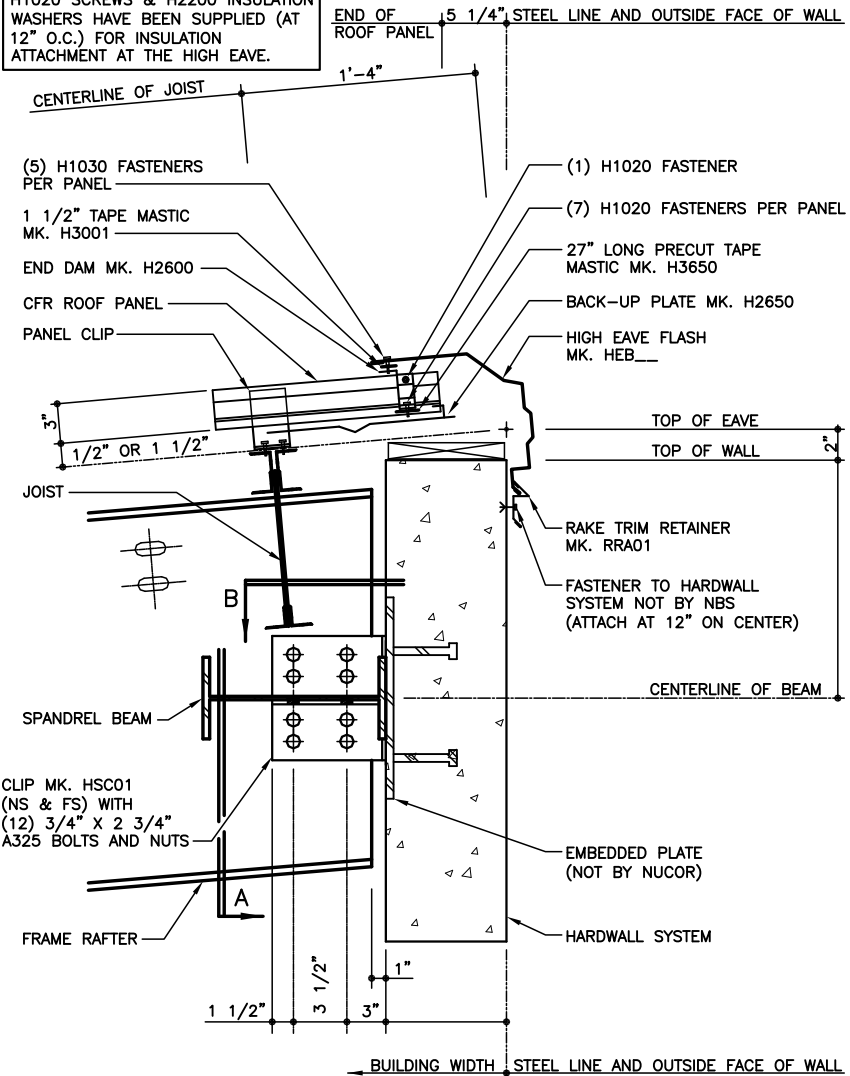
TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

ERECTOR NOTE:

H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED (AT 12" O.C.) FOR INSULATION ATTACHMENT AT THE HIGH EAVE.



LOAD BEARING PRE-CAST/TILT-UP DETAIL

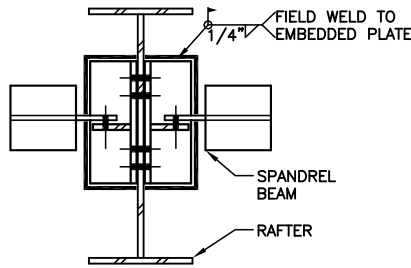
SCULPTURED HIGH EAVE, SPANDREL BEAM, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6020

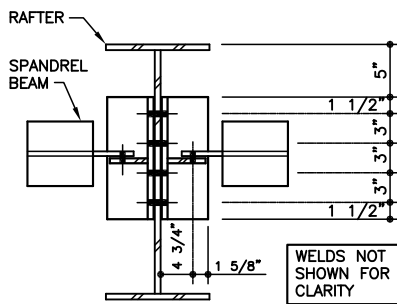


PRODUCT & ENGINEERING MANUAL

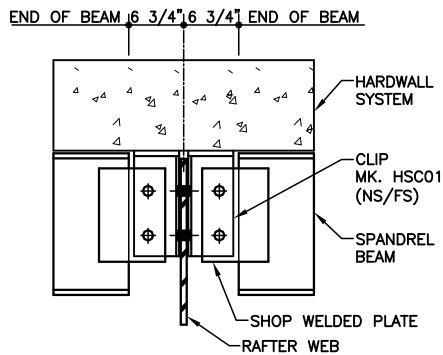
KD6040 – PURLINS, CFR, BU STRUT (NON-DIAPHRAGM)



SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



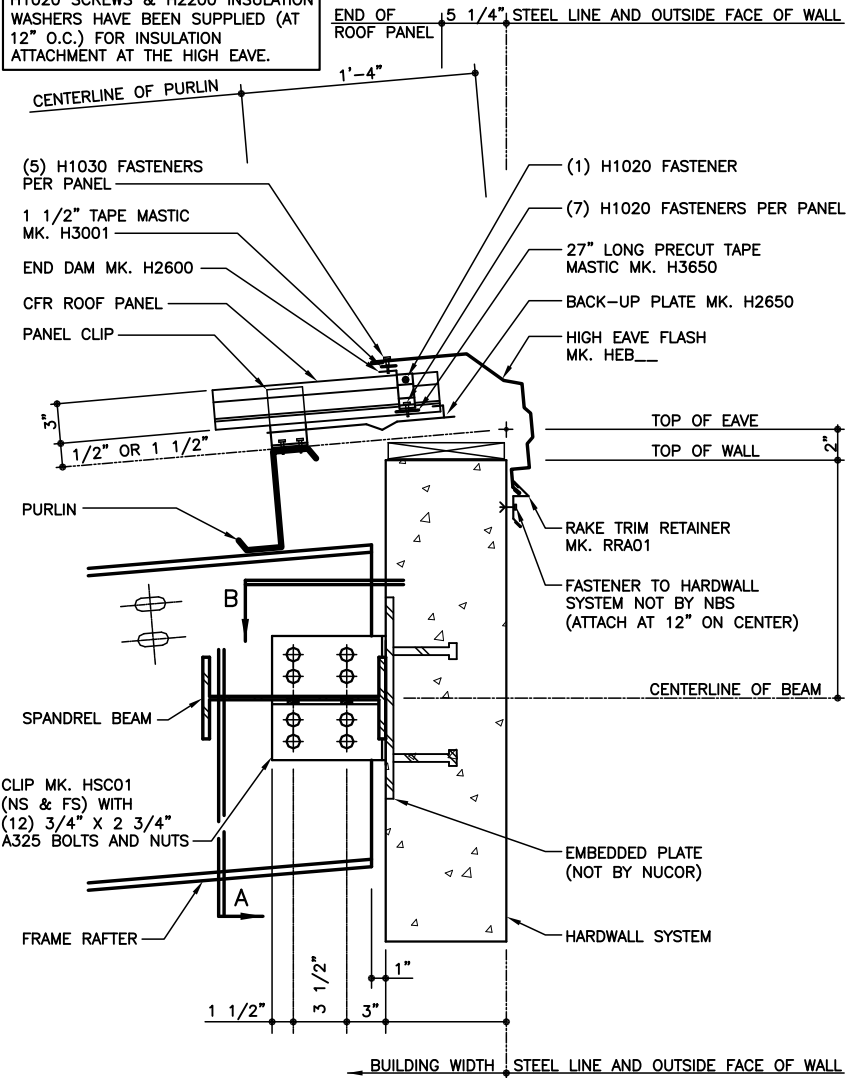
TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

ERECTOR NOTE:

H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED (AT 12" O.C.) FOR INSULATION ATTACHMENT AT THE HIGH EAVE.



LOAD BEARING PRE-CAST/TILT-UP DETAIL

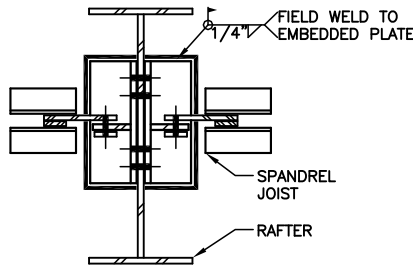
SCULPTURED HIGH EAVE, SPANDREL BEAM, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6040

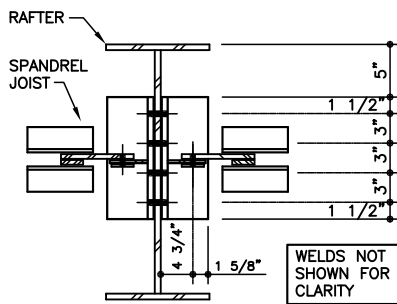


PRODUCT & ENGINEERING MANUAL

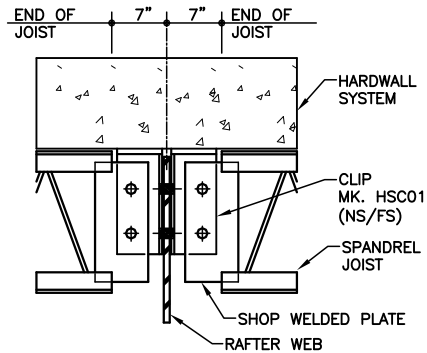
KD6050 – JOISTS , ROOF NOT BY NBS, JOIST STRUT (NON-DIAPHRAGM)



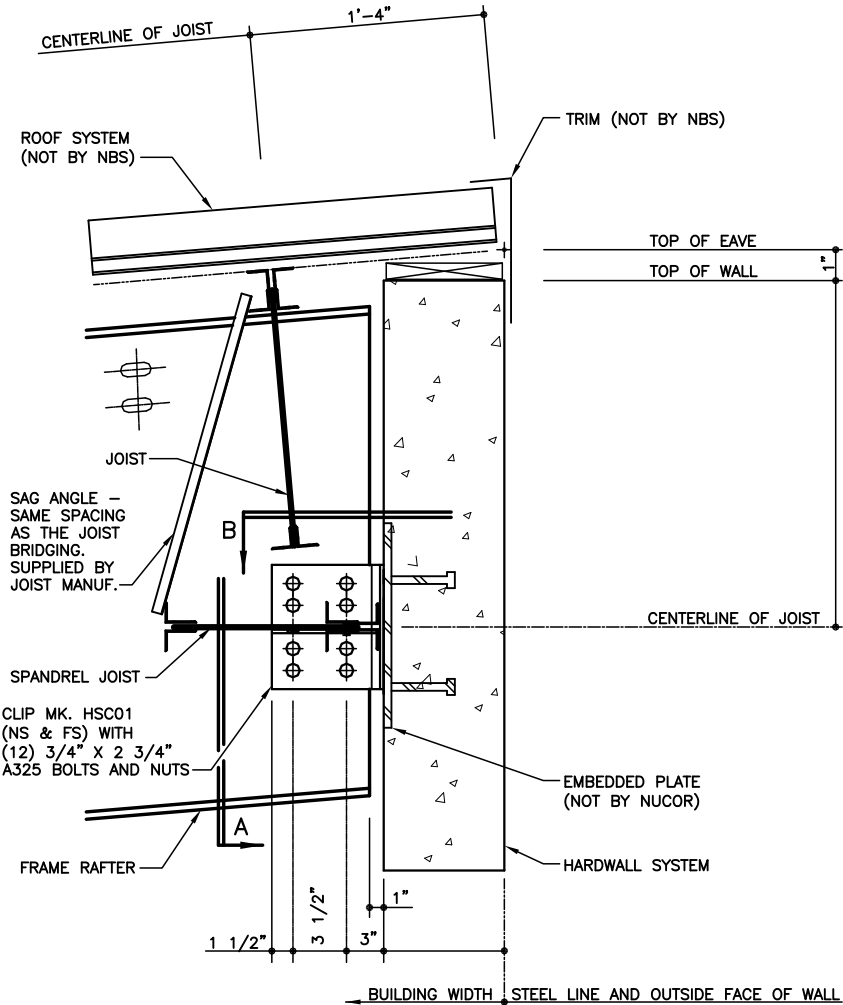
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

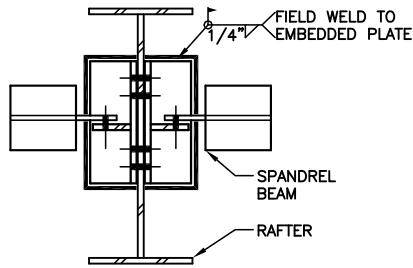
SCULPTURED HIGH EAVE, SPANDREL JOIST, ROOF NOT BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6050

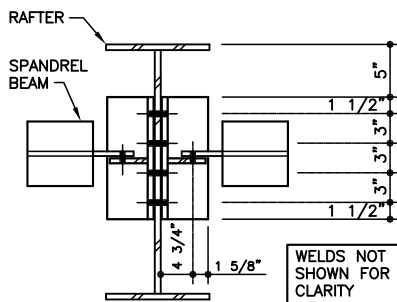


PRODUCT & ENGINEERING MANUAL

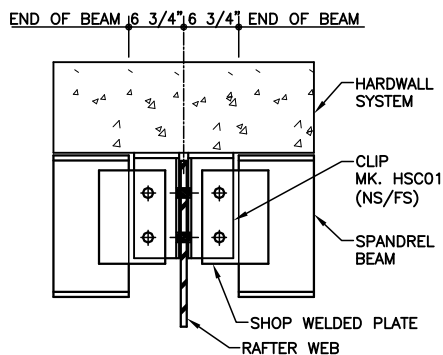
KD6060 – JOISTS, ROOF NOT BY NBS, BU STRUT (NON-DIAPHRAGM)



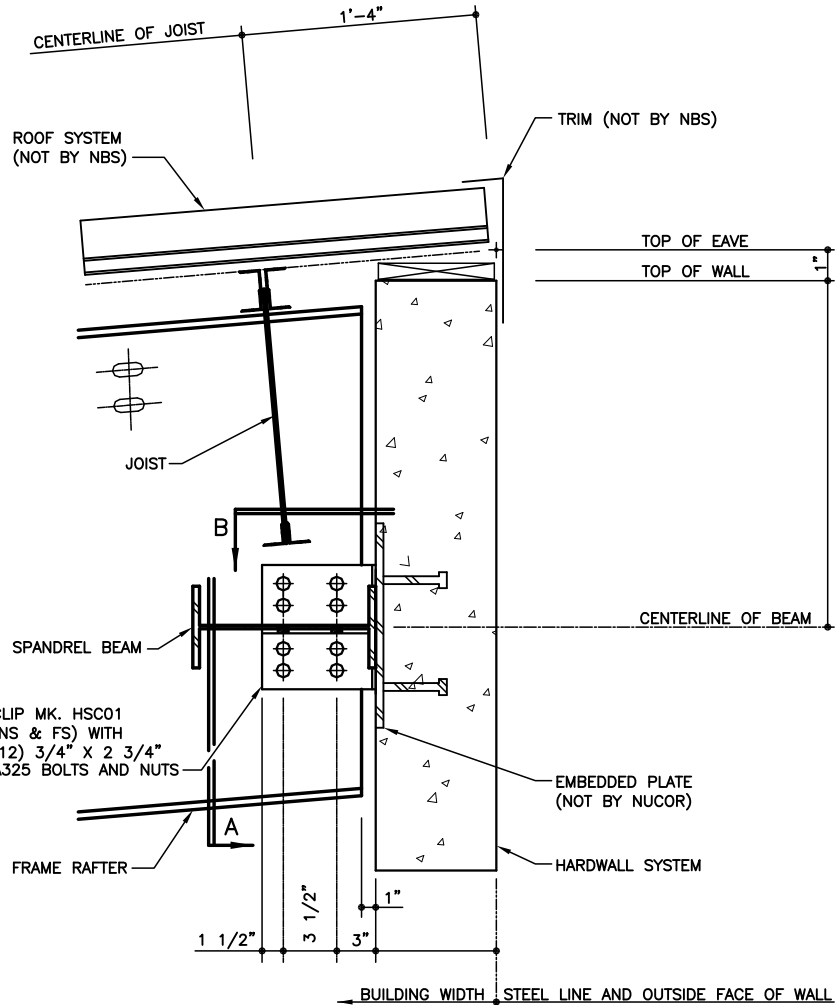
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

SCULPTURED HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6060

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

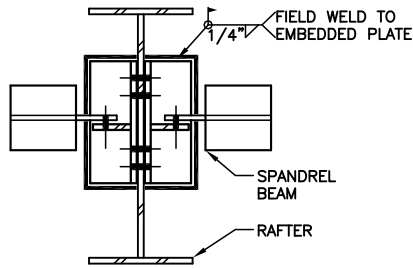
DETAIL NAME IF APPLICABLE
KD6060.DWG

4.9.42

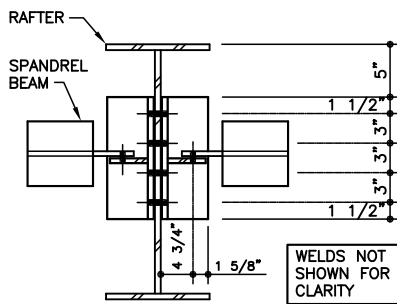


PRODUCT & ENGINEERING MANUAL

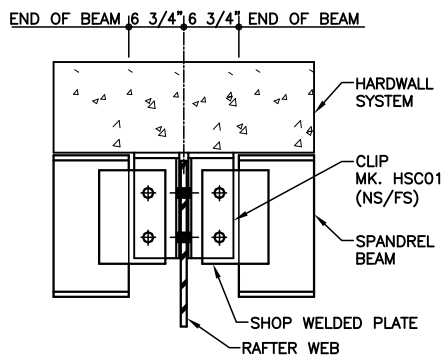
KD6080 – PURLINS, ROOF NOT BY NBS, BU STRUT (NON-DIAPHRAGM)



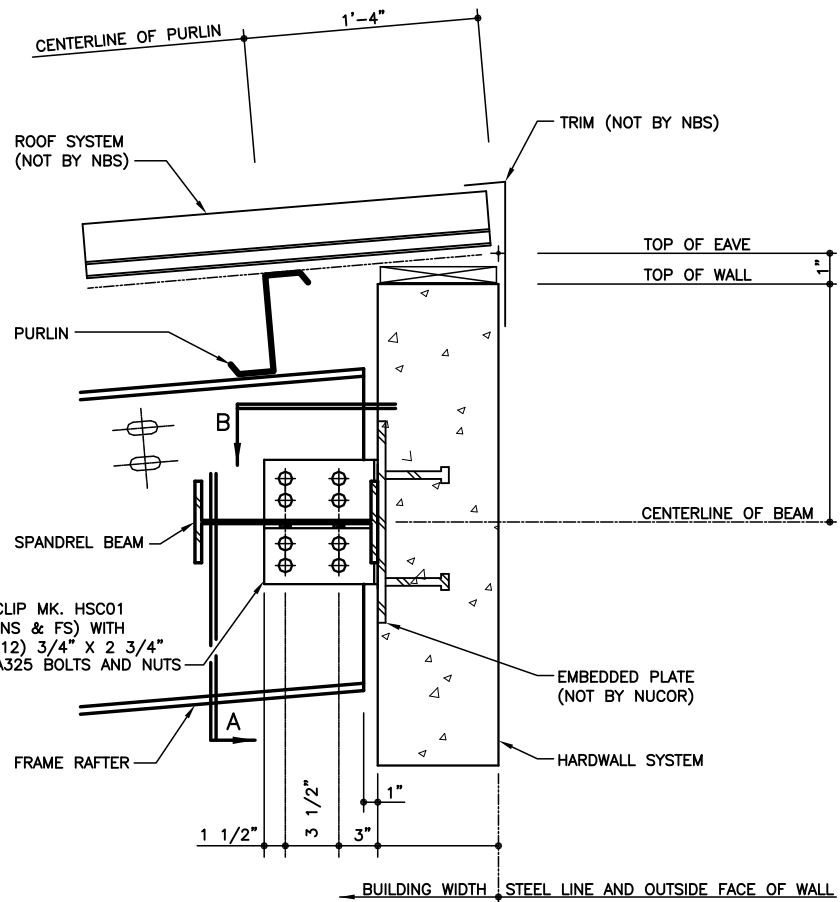
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

SCULPTURED HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6080

LAST REVISION
DATE: 02/16/15
BY: AK CHK: EGB

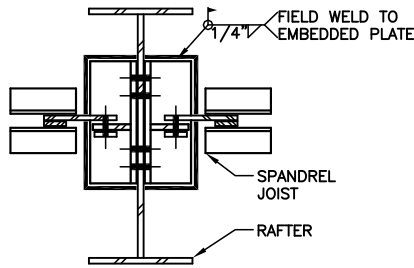
DETAIL NAME IF APPLICABLE
KD6080.DWG

4.9.43

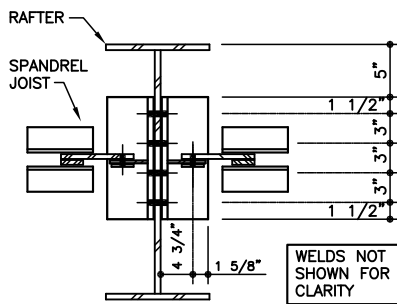


PRODUCT & ENGINEERING MANUAL

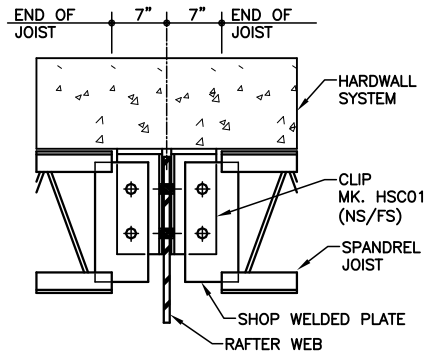
KD6090 – JOISTS, ROOF NOT BY NBS, JOIST STRUT (WITH-DIAPHRAGM)



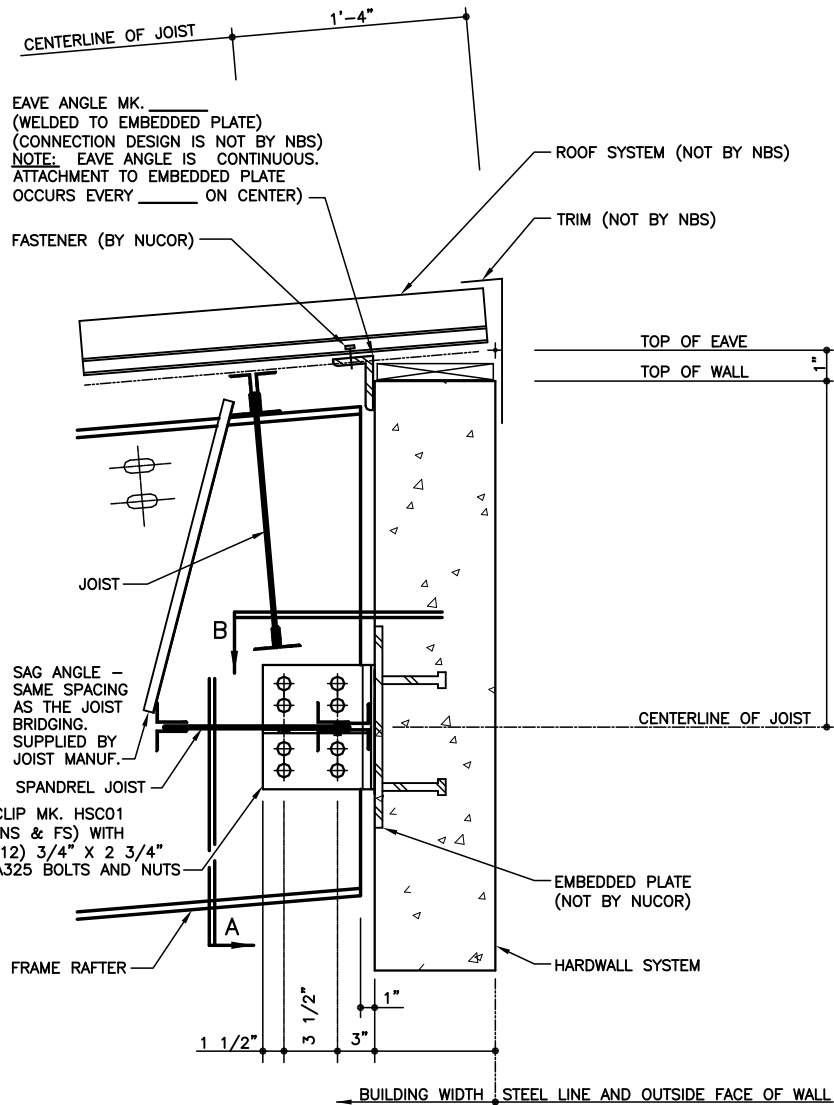
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

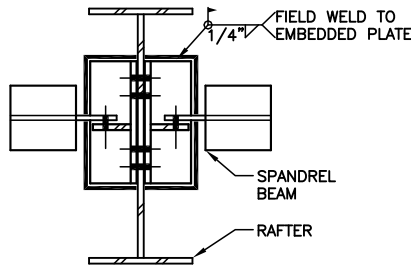
SCULPTURED HIGH EAVE, SPANDREL JOIST, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6090

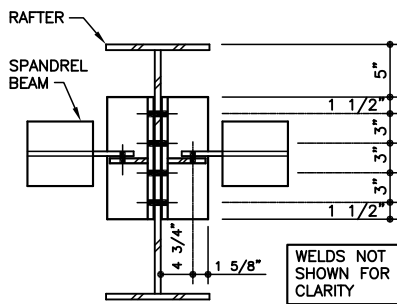


PRODUCT & ENGINEERING MANUAL

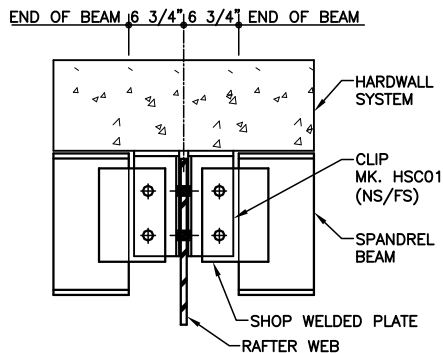
KD6100 – JOISTS, ROOF NOT BY NBS, BU STRUT (WITH DIAPHRAGM)



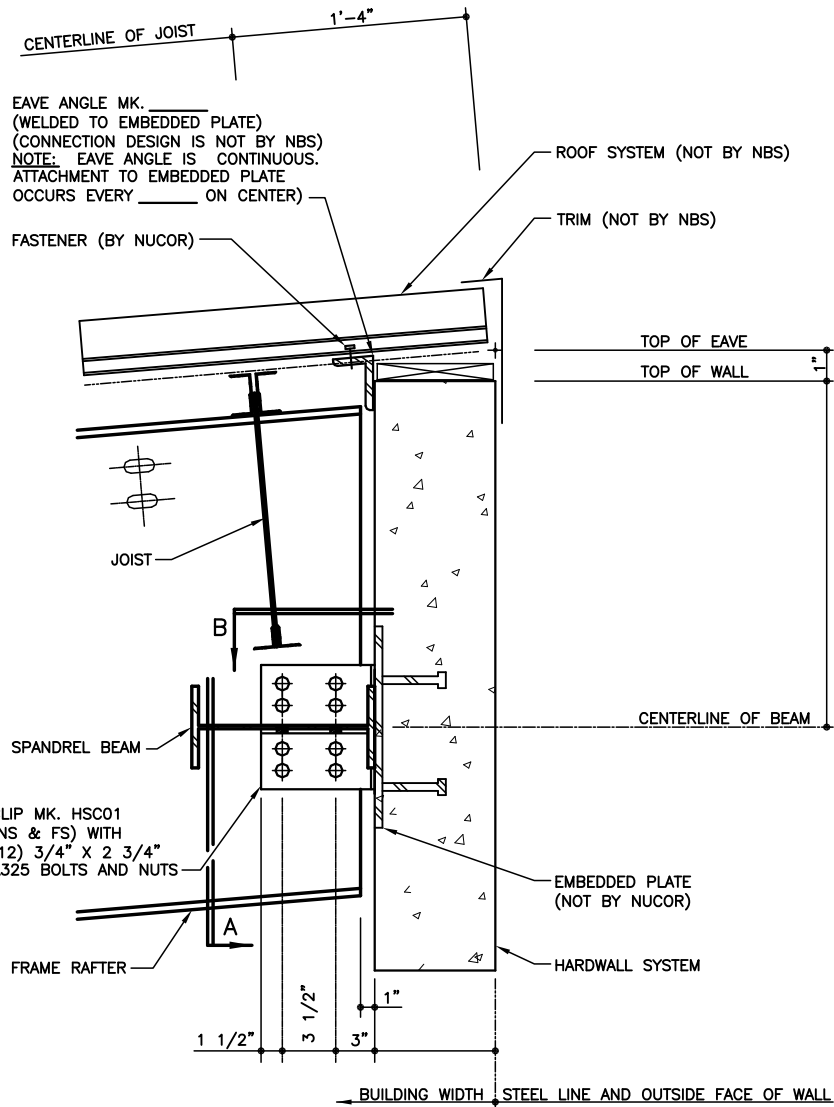
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

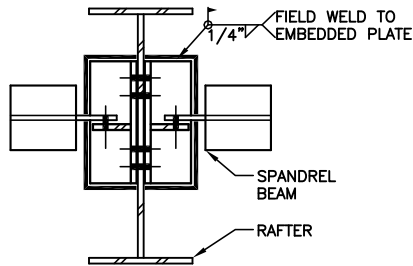
SCULPTURED HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KD6100

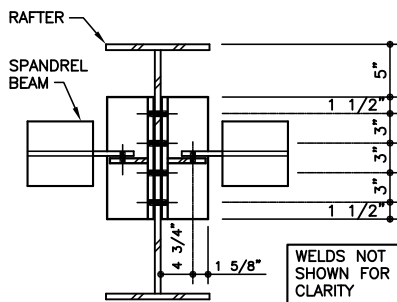


PRODUCT & ENGINEERING MANUAL

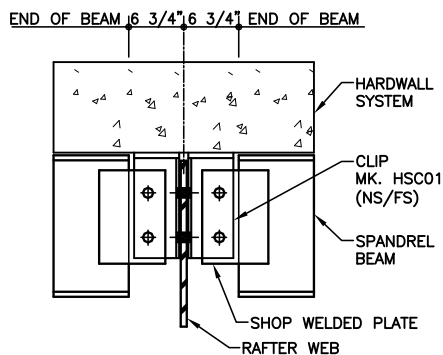
KD6120 – PURLINS, ROOF NOT BY NBS, BU STRUT (WITH-DIAPHRAGM)



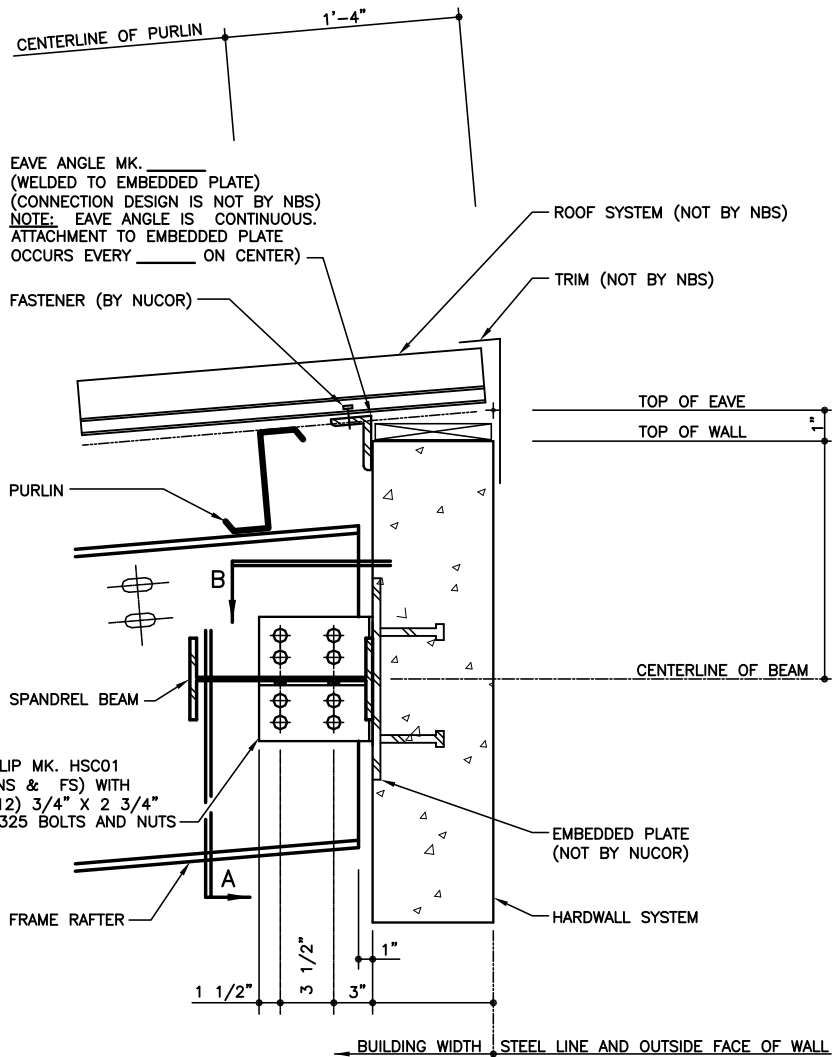
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

SCULPTURED HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

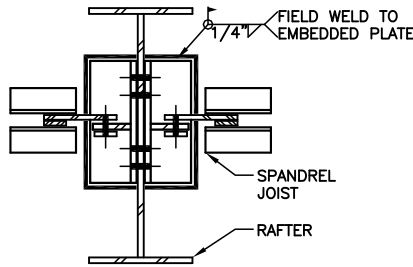
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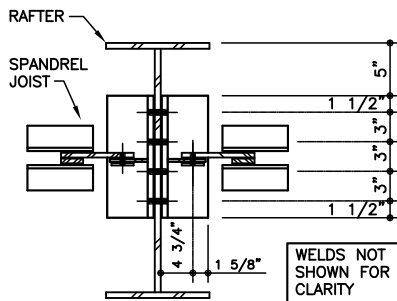
PRODUCT & ENGINEERING MANUAL

E: HIGH EAVE PARAPET CONDITIONS

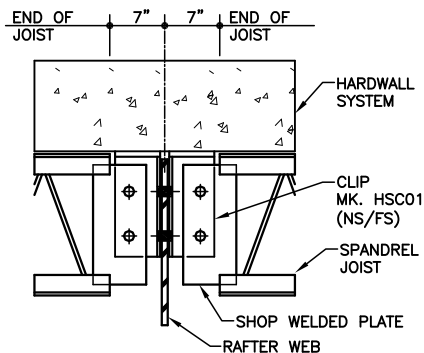
KE6010 – (4) JOISTS, CFR, JOIST STRUT (NON-DIAPHRAGM)



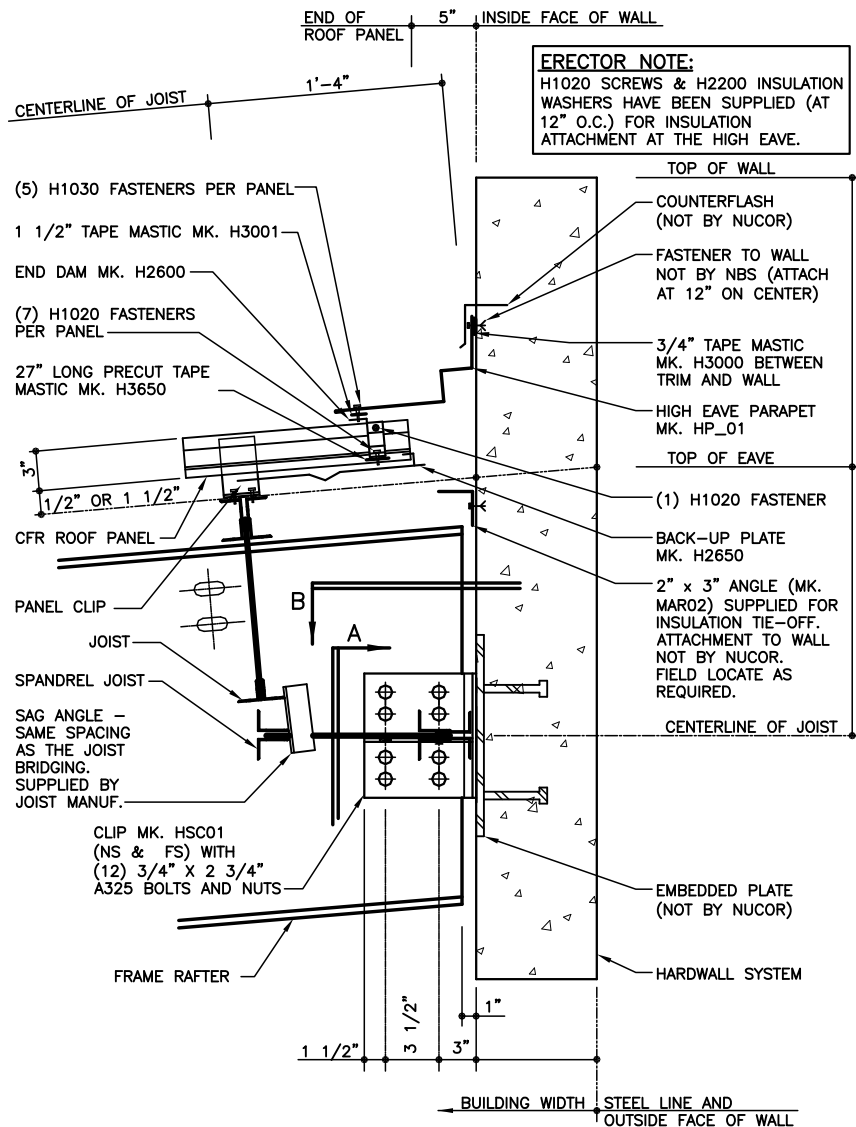
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

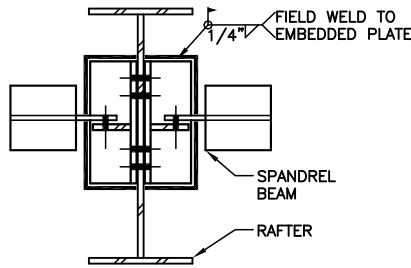
PARAPET HIGH EAVE, SPANDREL JOIST, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6010

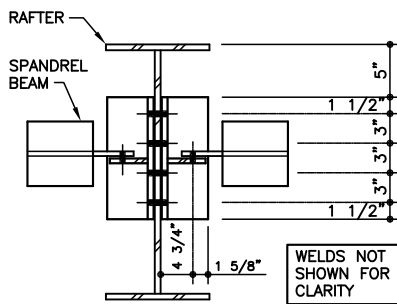


PRODUCT & ENGINEERING MANUAL

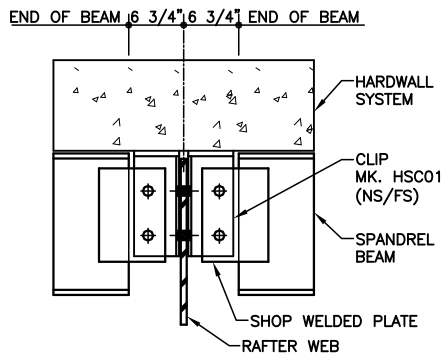
KE6020 – (4) JOISTS, CFR, BU STRUT (NON-DIAPHRAGM)



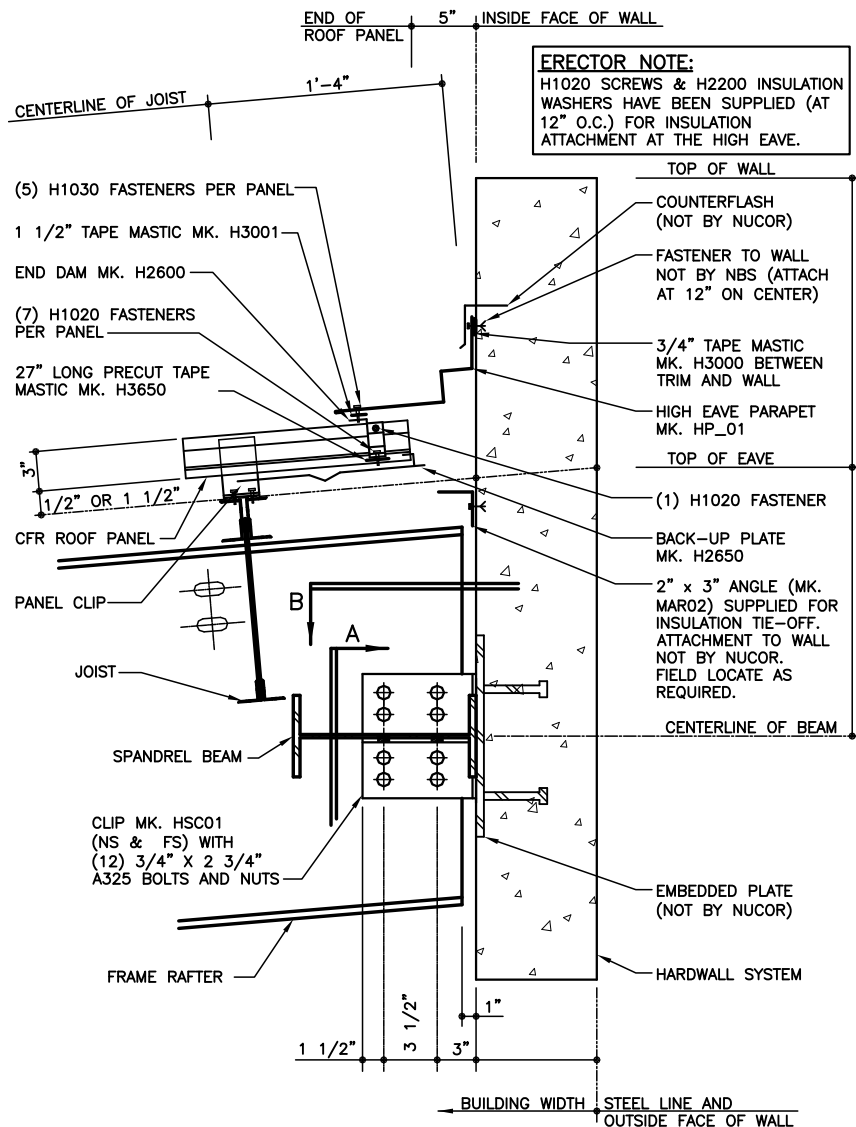
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

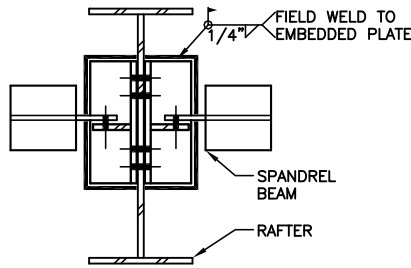
PARAPET HIGH EAVE, SPANDREL BEAM, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6020

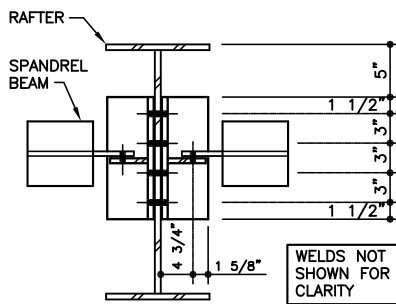


PRODUCT & ENGINEERING MANUAL

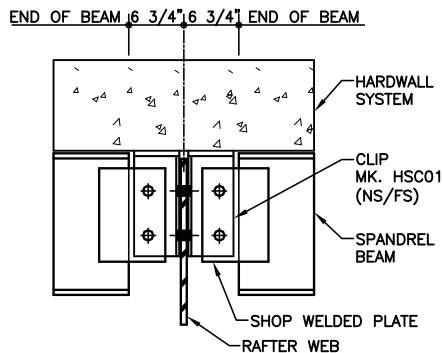
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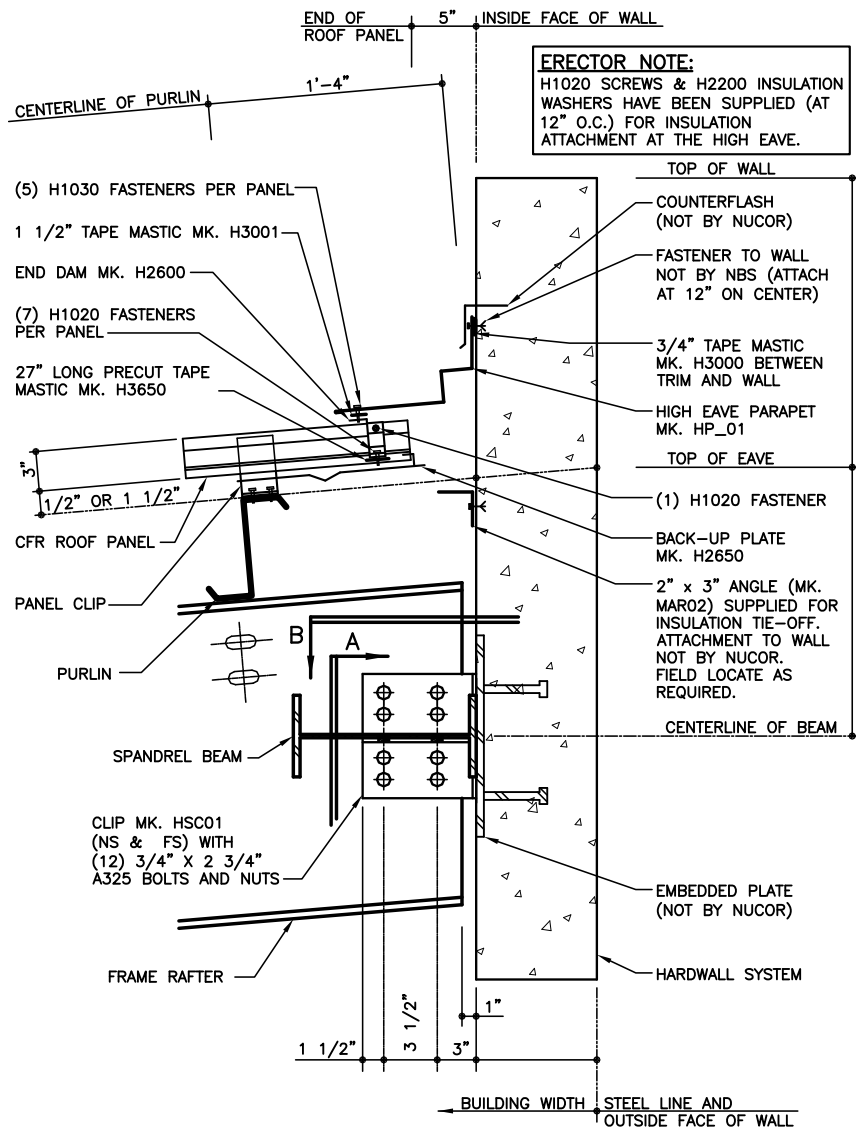
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

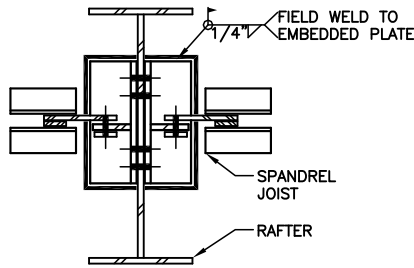
PARAPET HIGH EAVE, SPANDREL BEAM, CFR BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6040

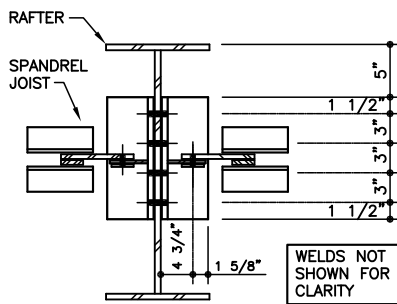


PRODUCT & ENGINEERING MANUAL

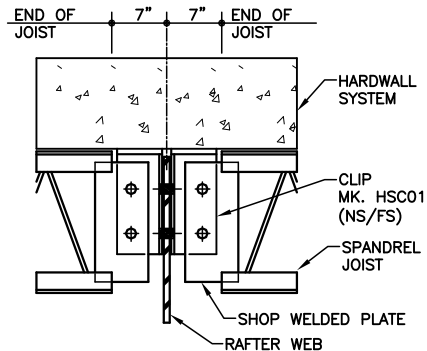
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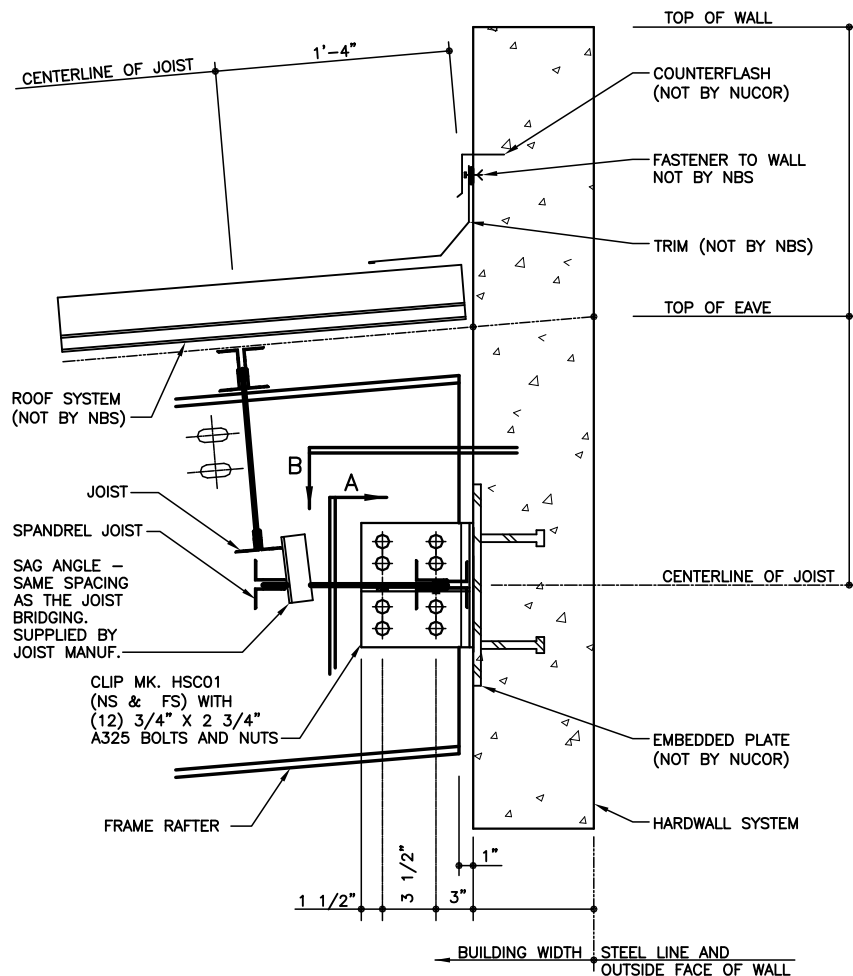
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

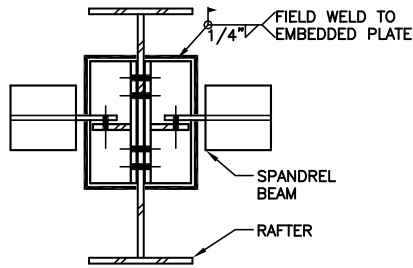
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REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6050

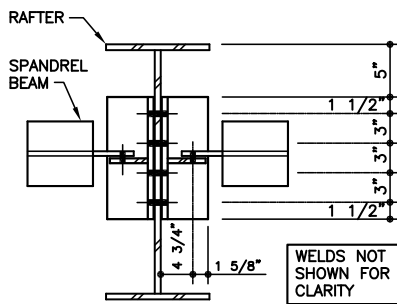


PRODUCT & ENGINEERING MANUAL

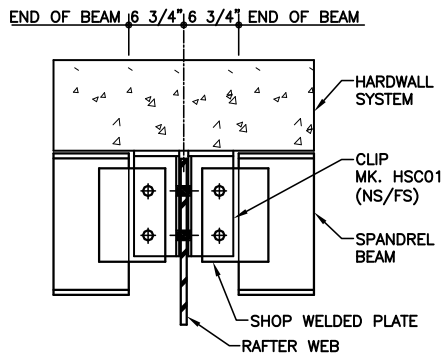
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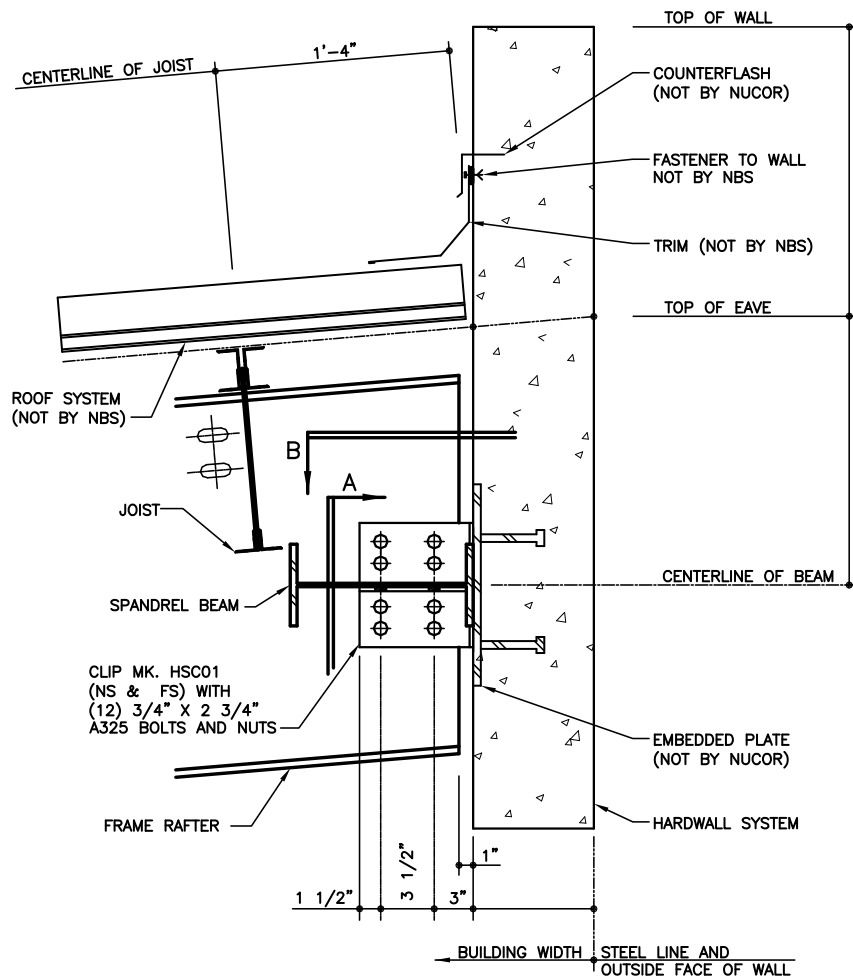
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

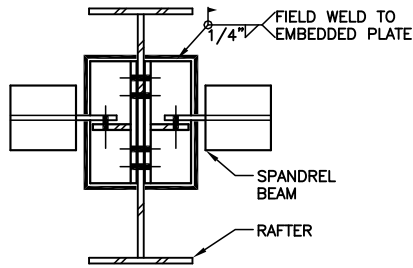
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REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6060

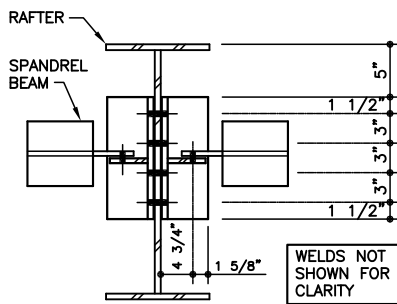


PRODUCT & ENGINEERING MANUAL

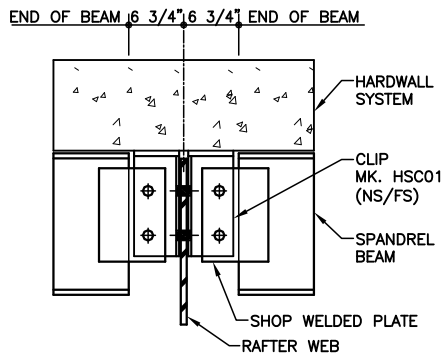
KE6080 – (4) PURLINS, ROOF NOT BY NBS, BU STRUT (NON-DIAPHRAGM)



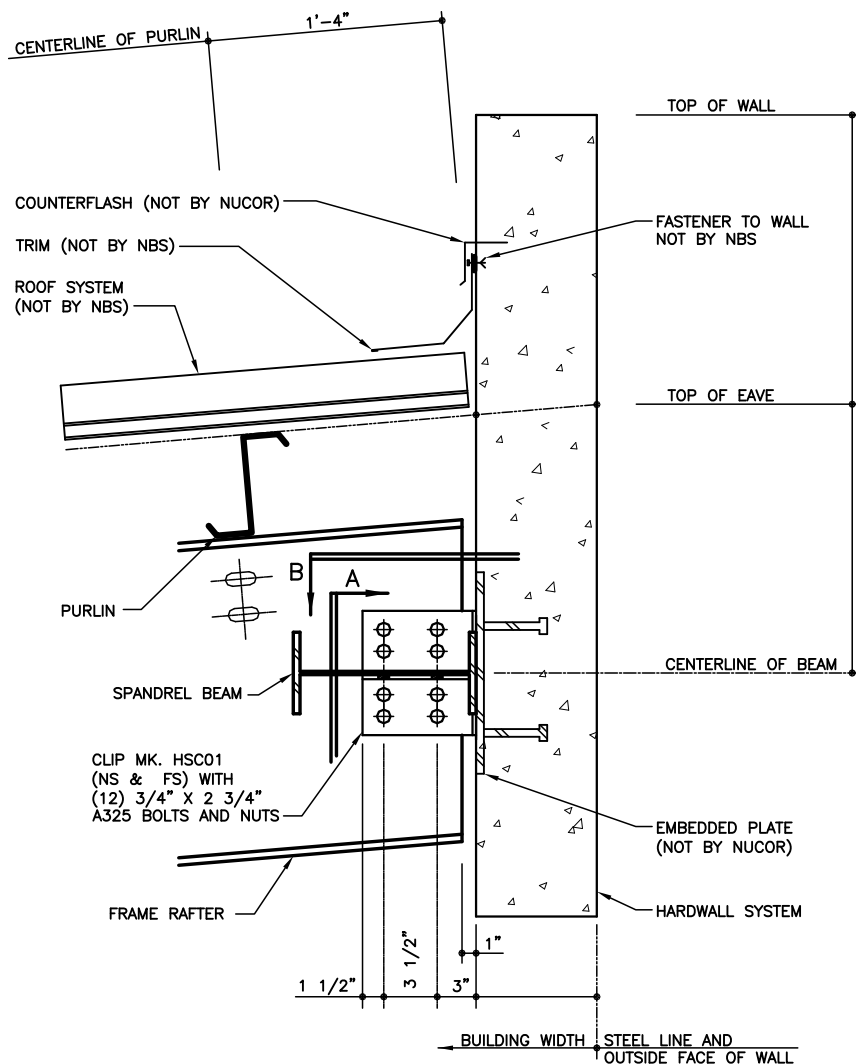
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

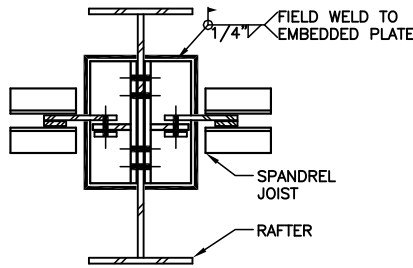
PARAPET HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (NON-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

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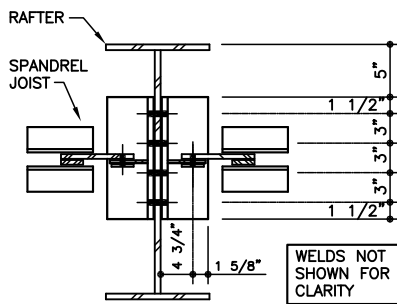


PRODUCT & ENGINEERING MANUAL

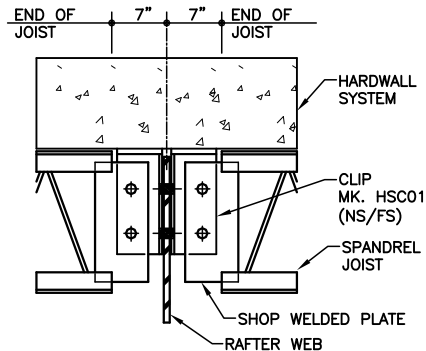
KE6090 – (4) JOISTS, ROOF NOT BY NBS, JOIST STRUT (WITH-DIAPHRAGM)



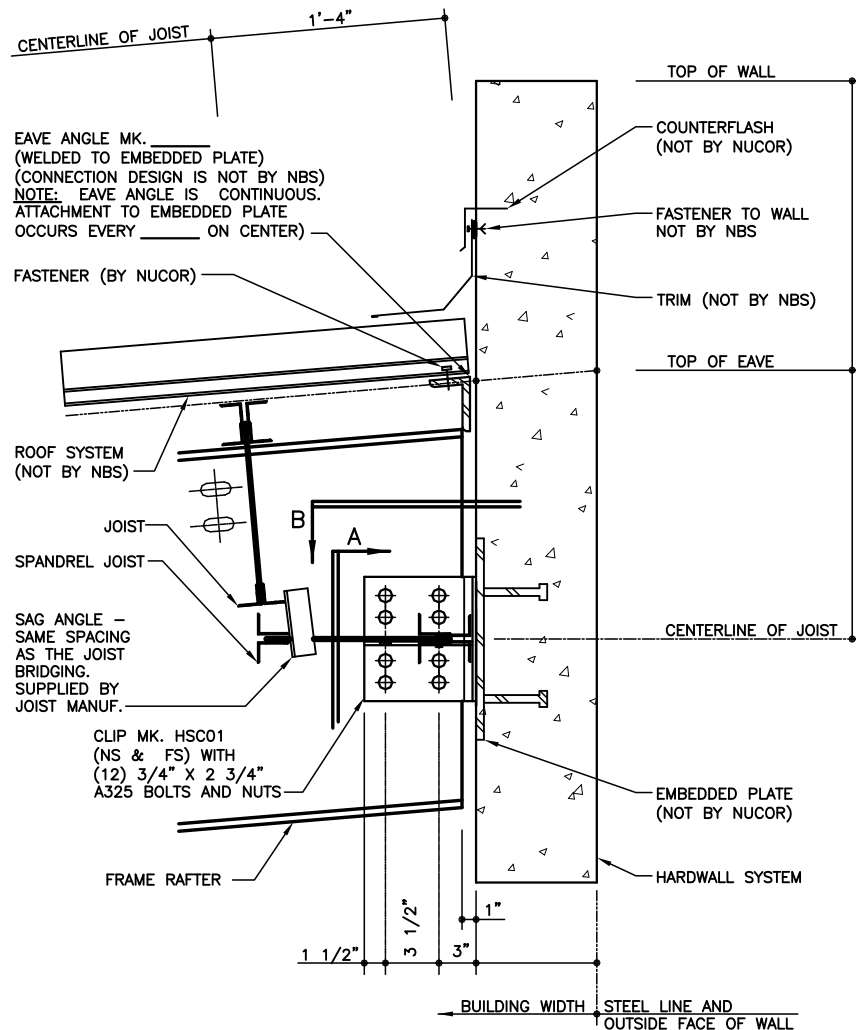
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

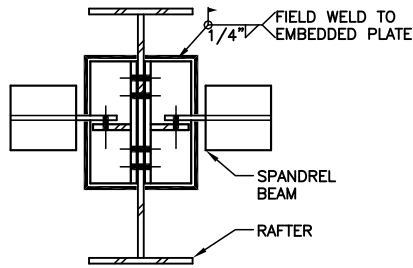
PARAPET HIGH EAVE, SPANDREL JOIST, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6090

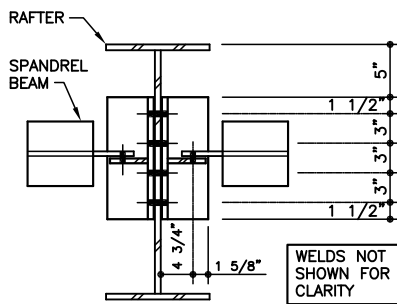


PRODUCT & ENGINEERING MANUAL

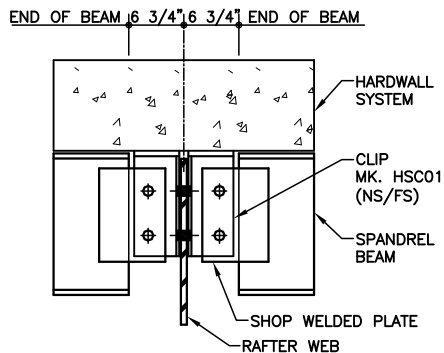
KE6100 – (4) JOISTS, ROOF NOT BY NBS, BU STRUT (WITH DIAPHRAGM)



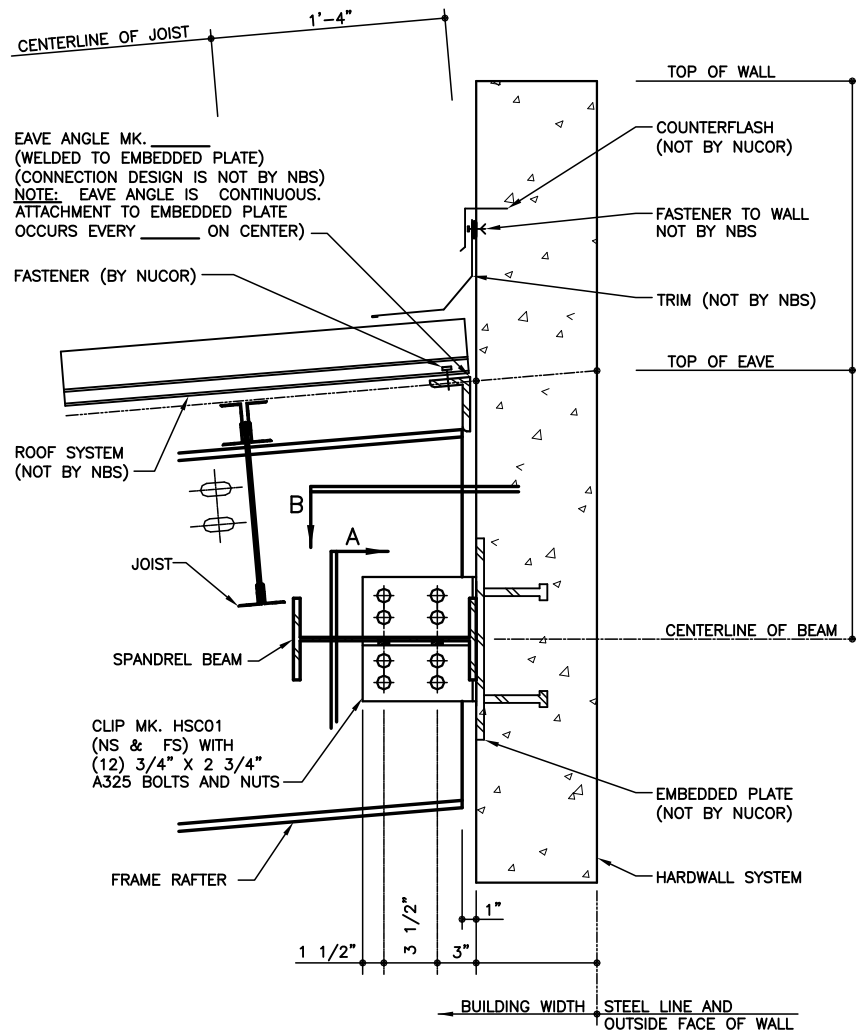
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

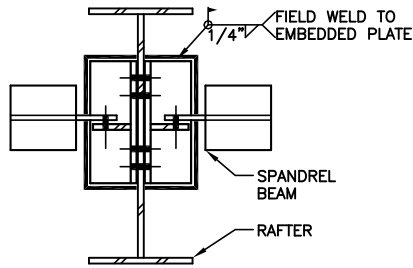
PARAPET HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6100

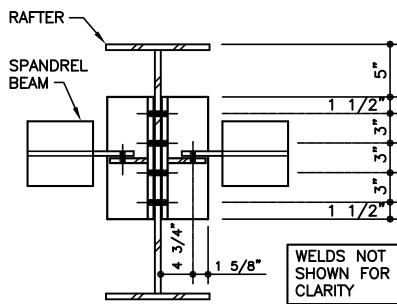


PRODUCT & ENGINEERING MANUAL

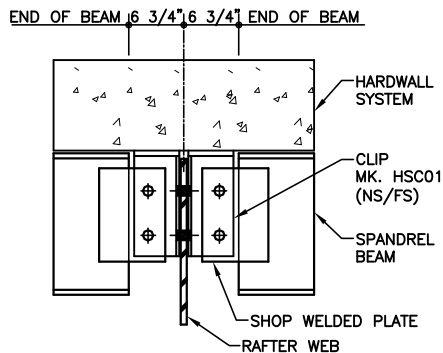
KE6120 – (4) PURLINS, ROOF NOT BY NBS, BU STRUT (WITH-DIAPHRAGM)



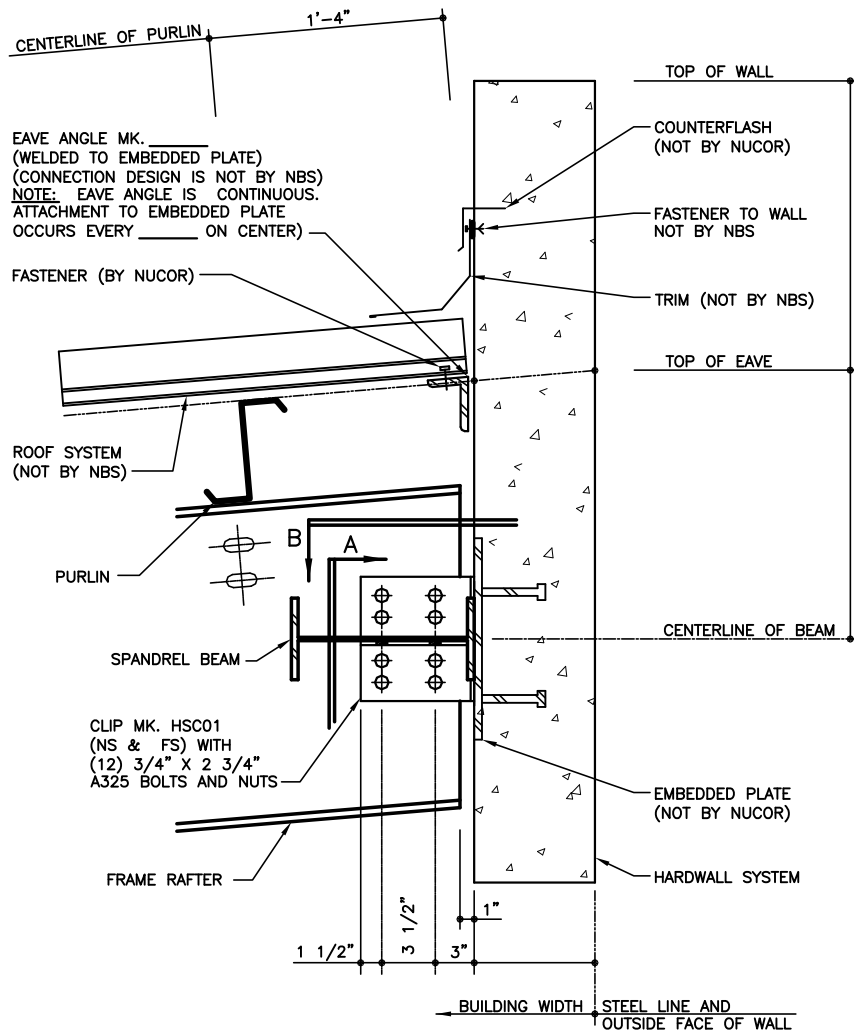
SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS



TYPICAL DIMENSIONS
SEE SECTION-A ABOVE FOR WELDS



SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY



LOAD BEARING PRE-CAST/TILT-UP DETAIL

PARAPET HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6120