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Refer to Section 4.14 for standard Spandrel Beam Details

A: SIDEWALL STRUCTURAL CONDITIONS  

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B: ENDWALL STRUCTURAL CONDITIONS  

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Refer to Section 4.14 for standard Spandrel Beam Details
A: SIDEWALL STRUCTURAL CONDITIONS

KA6005 – SPANDREL JOIST CONNECTION AT CORNER

- SHELF ANGLE MK. GXC__
  (ATTACHMENT TO WALL NOT BY NBS)

- SPANDREL JOIST BOTTOM CHORD EXTENSION

- 1/8" V

- HARDWALL SYSTEM
  (NOT BY N.B.S.)

SPANDREL JOIST AT CORNER

KA6005
NON-PARAPET – JOIST TRUSS DETAILS

KA6010 – JOISTS, 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)
KA6020 – JOISTS, ROOF NOT BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

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

SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY
PARAPET DETAILS

KA6040 – JOISTS, CFR BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

RAFTER
SPANDREL JOIST

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

END OF JOIST
HARDWALL SYSTEM
CUP MK. HSC01 (NS/FS)
SPANDREL JOIST

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

DETAIL NAME IF APPLICABLE
KA6040.DWG

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

4.9.7
KA6042 – JOISTS, CFR BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

LOAD BEARING PRE-CAST/TILT-UP DETAIL
PANDEMET SPANDELF BEAM CFR BY NBS (NON-DIAFRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
KA6044 – 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

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

KA6044
KA6046 – PURLINS, CFR BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

LOAD BEARING PRE-CAST/TILT-UP DETAIL
PARAPET SPANDEL BEAM; CFR BY NBS (NON-DIAPHRAGM)
REFERENCE WASHED DETAIL FOR TYPICAL WASHER REQUIREMENTS

KA6046
KA6052 – JOISTS, 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
PARAMET SPANDEL BEAM. ROOF NOT BY NBS (NON-DIAPHRAGM)
REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

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

DETAIL NAME IF APPLICABLE
KA6052.DWG

4.9.12
NON-PARAPET EAVE BEAM DETAILS

KA6060 – JOISTS, CFR BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL

FIELD WELD TO EMBEDDED PLATE

RAFTER

SPANDREL BEAM

TYPICAL DIMENSIONS

WELDS NOT SHOWN FOR CLARITY

SECTION B – BEAM DETAIL

RAFTER FLANGES NOT SHOWN FOR CLARITY

LOAD BEARING PRE-CAST/TILT-UP DETAIL

HARDWALL SYSTEM

CLIP W/C. HSC01 (NS/PS)

SPANDREL BEAM

SHOP WELDED PLATE

RAFTER WEB

KA6060.DWG
KA6070 – JOISTS, 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 PLANKS NOT SHOWN FOR CLARITY

LOAD BEARING PRE-CAST/TILT-UP DETAIL
NON-PARAPET EAVE BEAM: ROOF NOT BY NBS (NON-DIAPHRAGM)
KA6090 – PURLINS, ROOF NOT BY NBS (NON-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

FIELD WELD TO EMBEDDED PLATE
SPANDREL JOIST
RAFTER

WEDELS NOT SHOWN FOR CLARITY

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

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

KA6090.DWG
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

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

KA6100.DWG
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)
B: ENDWALL STRUCTURAL CONDITIONS

BO0300 – ENDWALL RAKE ANGLE WITH PURLINS

LOAD BEARING PRE-CAST OR TILT-UP WALL DETAIL
ENDWALL RAKE ANGLE WITH PURLINS
LOAD BEARING PRE-CAST OR TILT-UP WALL DETAIL

ENDWALL RAKE ANGLE WITH JOISTS

DETAIL NAME IF APPLICABLE

BO0310.DWG
LOAD BEARING PRE-CAST
OR TILT-UP WALL DETAIL

ENDWALL RAKE BEAM WITH JOISTS

DETAIL IS USED WHEN
TEMPORARY COLUMNS
ARE PROVIDED WITH THE
PRECAST WALL SYSTEM
**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.

**LEDGER ANGLE DETAIL**

Use (2) 1/2" x 2" A325 BOLT H0603/NUT H0330 at each purlin / eave strut location.
Reference erector note for typical washer requirements.
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
(SEE PLAN/ELEVATIONS
FOR MARK NUMBERS)
(TAGGED END TOWARDS
LOW EAVE)

LEDGER ANGLE
(SEE PLAN/ELEVATIONS
FOR MARK NUMBERS)
(TAGGED END TOWARDS LOW EAVE)

TOP OF ANGLE A.F.F.

1/4"

STEEL LINE

1/4"

STEEL LINE

1/4" GAP BETWEEN
ANGLES - TYP.

1/4"

TOP OF ANGLE A.F.F.

AT LOW EAVE

AT SPLICE

AT RIDGE OR HIGHSIDE

LEDGER ANGLE DETAIL
USE (2) 1/2" x 2" A325 BOLT 10603/NUT 10300 AT EACH JOIST LOCATION
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
LEGEND

LEDGER ANGLE
(SEE PLAN/ELEVATIONS
FOR MARK NUMBERS)
(TAGED END TOWARDS
LOW EAVE)

JOIST

EDGE OF
ANGLE

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

LEDGER ANGLE
(SEE PLAN/ELEVATIONS FOR MARK NUMBERS)
(TAGED END TOWARDS LOW EAVE)

1/4" GAP BETWEEN
ANGLES - TYP.

STEEL LINE

TOP OF ANGLE A.F.F.

1/4"

STEEL LINE

1/4"

STEL LINE

PARAPET WALL
(IF APPLICABLE)

PARAPET WALL
(F APPLICABLE)

JOIST

ANGL

WALL BY
OTHERS

SECTION A

EDGE OF
ANGLE

1/4"

WALL

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

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

DETAIL NAME IF APPLICABLE
BO0530.DWG

4.9.29
C: ENDWALL SHEETING CONDITIONS
NON-PARAPET – JOIST DETAILS

KC6010 – CFR BY NBS

**NOTE: THE EXTENSION CLIP MAY NEED TO BE TOED UP OR DOWN BASED ON ACTUAL FIELD CONDITIONS. MINIMUM BEARING LENGTH ON JOIST IS 6”.

START/FINISH DIM. (SEE PLAN)

3/4” TAPE MASTIC MK. H3000 BETWEEN “CFR” ROOF & RAKE ANGLE
H1030 (4” O.C.)

2 1/4” TAPE MASTIC MK. H3020 BETWEEN TRIM & “CFR” ROOF
START/FINISH PANEL

"CFR” ROOF

1/2” OR 1 1/2”

H1070 (2 PER EXTENSION CLIP)
EXTENSION CLIP **
MK. REX__

RAKE ANGLE CLIP
MK. H2041 (SHORT)
MK. H2051 (TALL)
H1070 (2 PER CLIP)

MASONRY FASTENERS
NOT BY NUCOR
RAKE TRIM RETAINER
MK. RRAO01

*NOTE:
KEEP FASTENER A MINIMUM OF 2” AWAY FROM ANY RAKE CLIP. DO NOT FASTEN THROUGH RAKE CLIP.

LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL
STANDARD RAKE: CFR BY NBS

KC6010

4.9.30
KC6020 – ROOF NOT BY NBS

LOAD BEARING PRE-CAST/ TILT-UP WALL DETAIL
NON-PARAPET: ROOF NOT BY NBS
PARAPET – JOIST DETAILS

KC6030 – CFR BY NBS

**NOTE:**
KEEP FASTENER A MINIMUM OF 2" AWAY FROM ANY RAKE CLIP. DO NOT FASTEN THROUGH RAKE CLIP.

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
KC6040 – ROOF NOT BY NBS

LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

PARAPET: ROOF NOT BY NBS

KC6040
NON-PARAPET – PURLIN DETAILS

KC6050 – CFR BY NBS

**NOTE:**
KEEP FASTENER A MINIMUM OF 2” AWAY FROM ANY RAKE CLIP. DO NOT FASTEN THROUGH RAKE CLIP.

* H1020 (24” O.C.)

RAKE ANGLE
MK. MAR02

RAKE TRIM
MK. RTA ___

EAVE HEIGHT
TOP/PURLIN

MASSONRY FASTENERS
NOT BY NUCOR
RAKE TRIM RETAINER
MK. RRA01

PRE-CAST WALL

STEEL LINE
BUILDING LENGTH

3/4” TAPE MASTIC MK. H3000 BETWEEN “CFR” ROOF & RAKE ANGLE
*H1030 (4” O.C.)

2 1/4” TAPE MASTIC MK. H3020 BETWEEN TRIM & “CFR” ROOF

START/FINISH PANEL

“CFR” ROOF

1/2” OR 1 1/2”

H1020 (2 PER EXTENSION CLIP)
EXTENSION CLIP **
MK.REX___

RAKE ANGLE CLIP
MK. H2041 (SHORT)
MK. H2051 (TALL)

H1020 (2 PER CLIP)

**NOTE:** THE EXTENSION CLIP MAY NEED TO BE TOED UP OR DOWN BASED ON ACTUAL FIELD CONDITIONS. MINIMUM BEARING LENGTH ON PURLIN IS 6”.

LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL

STANDARD RAKE: CFR BY NBS

KC6050
KC6060 – ROOF NOT BY NBS

LOAD BEARING PRE–CAST/TILT–UP WALL DETAIL

NON–PARAPET: ROOF NOT BY NBS

KC6060

KC6060.DWG
PARAPET – PURLIN DETAILS

KC6070 – CFR BY NBS

COUNTER FLASH (NOT BY NUCOR)
3/4" TAPE MASTIC MK. H3000
RAKE PARAPET TRIM MK. RPA01
3/4" TAPE MASTIC MK. H3000
BETWEEN "CFR" ROOF & RAKE ANGLE
"H1030 (4" O.C.)"
2 1/4" TAPE MASTIC MK. H3020
BETWEEN TRIM & "CFR" ROOF
START/FINISH PANEL
"CFR" ROOF
1/2" OR 1 1/2"
RAKE ANGLE CLIP MK. H2041 (SHORT)
MK. H2051 (TALL)
H1020 (2 PER CLIP)

*NOTE:
KEEP FASTENER A
MINIMUM OF 2"
AWAY FROM ANY
RAKE CLIP. DO NOT
FASTEN THROUGH
RAKE CLIP.

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
KC6080 – ROOF NOT BY NBS

LOAD BEARING PRE-CAST/TILT-UP WALL DETAIL
PARAPET: ROOF NOT BY NBS

KC6080
D: HIGH EAVE SCULPTURED CONDITIONS

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

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

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

DETAIL NAME IF APPLICABLE

KD6010.DWG

4.9.38
KD6020 – JOISTS, CFR, BU STRUT (NON-DIAPHRAGM)

EFECTOR NOTE:
H1020 SCREWS & H2020 INSULATION
WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION
ATTACHMENT AT THE HIGH EAVE.

CENTRILINE OF JOIST

CENTERLINE OF BEAM

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

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

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

DETAIL NAME IF APPLICABLE

KD6020.DWG

4.9.39
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

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

DETAIL NAME IF APPLICABLE
KD6050.DWG
KD6060 – JOISTS, ROOF NOT BY NBS, BU STRUT (NON-DIAFRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

LOAD BEARING PRE-CAST/TILT-UP DETAIL
SCULPTURED HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (NON-DIAFRAGM)
REFER TO THE CPE ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

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

DETAIL NAME IF APPLICABLE
KD6060.DWG

4.9.42
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

END OF BEAM @ 3/4" & 3/4" END OF BEAM

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

CUT MK. HSC01 (NS & FS) WITH
(12) 3/4" x 2 3/4" A325 BOLTS AND NUTS

FRAME RAFTER

1 1/2"
3 1/2"
3"

BUILDING WIDTH: STEEL LINE AND OUTSIDE FACE OF WALL

CENTERLINE OF BEAM

TOP OF WALL

CENTERLINE OF PURLIN

1’-4"

TOP OF EAVE

TRIM (NOT BY NBS)

ROOF SYSTEM (NOT BY NBS)

WELDS NOT SHOWN FOR CLARITY

FIELD WELD TO EMBEDDED PLATE

SPANDREL BEAM

RAFTER

SPANDREL BEAM

RAFTER

SHOP WELDED PLATE RAFTER WEB

HARDWALL SYSTEM

CUT MK. HSC01 (NS/FS)

A

B

KD6080

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

DETAIL NAME IF APPLICABLE
KD6080.DWG
4.9.43
KD6090 – JOISTS, ROOF NOT BY NBS, JOIST STRUT (WITH-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

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 CPR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

DETAIL NAME IF APPLICABLE
KD6090.DWG
KD6100 – JOISTS, ROOF NOT BY NBS, BU STRUT (WITH DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

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

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

DETAIL NAME IF APPLICABLE
KD6100.DWG

4.9.45
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
END OF BEAM @ 3/4” & 3/4 END OF BEAM

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

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

DETAIL NAME IF APPLICABLE
KD6120.DWG

4.9.46
E: HIGH EAVE PARAPET CONDITIONS

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

DETAIL NAME IF APPLICABLE

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

DETAIL NAME IF APPLICABLE

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

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

DETAIL NAME IF APPLICABLE
KE6020.DWG
KE6040 – (4) PURLINS, CFR, BU STRUT (NON-DIAPHRAGM)

SECTION A – WELD DETAIL

DETAIL NAME IF APPLICABLE

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.DWG
KE6060 – (4) JOISTS, ROOF NOT BY NBS, BU STRUT (NON-DIAPHRAGM)

SECTION A - WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

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

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

DETAIL NAME IF APPLICABLE
KE6060.DWG

4.9.51
KE6090 – (4) JOISTS, ROOF NOT BY NBS, JOIST STRUT (WITH-DIAPHRAGM)

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

SECTION B – JOIST DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

LOAD BEARING PRE-CAST/TILT-UP DETAIL
PARAMET Eave, SPANDREL JOIST, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CFT ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

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

DETAIL NAME IF APPLICABLE
KE6090.DWG
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

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

DETAIL NAME IF APPLICABLE
KE6100.DWG

4.9.54
KE6120 – (4) PURLINS, ROOF NOT BY NBS, BU STRUT (WITH-DIAPHRAGM)

FIELD WELD TO EMBEDDED PLATE
1/4"
SPANDREL BEAM
RAFTER

SECTION A – WELD DETAIL
SEE DETAIL BELOW FOR DIMENSIONS

RAFTER
SPANDREL BEAM
1 1/2"
5/8"
1 1/2"
3/4"
5/8"
1 5/8"

WELDS NOT SHOWN FOR CLARITY

TYPICAL DIMENSIONS
SEE SECTION A ABOVE FOR WELDS

END OF BEAM @ 3/4" X 3/4" END OF BEAM

HARDWALL SYSTEM
CLIP MK. HSC01 (NS/FS) WITH SPANDREL BEAM
SHOP WELDED PLATE RAFTER WEB

SECTION B – BEAM DETAIL
RAFTER FLANGES NOT SHOWN FOR CLARITY

CENTERLINE OF PURLIN
1'-4"
EAVE ANGLE MK. (WELDED TO EMBEDDED PLATE) (CONNECTION DESIGN IS NOT BY NBS) NOTE: EAVE ANGLE IS CONTINUOUS. ATTACHMENT TO EMBEDDED PLATE OCCURS EVERY ON CENTER)

FASTENER (BY NUCOR)

ROOF SYSTEM (NOT BY NBS)

PURJIN

SPANDEL BEAM

CLIP MK. HSC01 (NS & FS) WITH (12) 3/4" X 2 3/4" A325 BOLTS AND NUTS

FRAME RAFTER

CENTERLINE OF BEAM

EMBEDDED PLATE (NOT BY NUCOR)

HARDWALL SYSTEM

BUILDING WIDTH, STEEL LINE AND OUTSIDE FACE OF WALL

LOAD BEARING PRE-CAST/TILT-UP DETAIL
PARAPET HIGH EAVE, SPANDREL BEAM, ROOF NOT BY NBS (WITH-DIAPHRAGM)
REFER TO THE CPR ERECTION MANUAL FOR INSTALLATION INSTRUCTIONS

KE6120

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

DETAIL NAME IF APPLICABLE
KE6120.DWG

4.9.55