Hangers

Fig. 5.7.3

Expansion bolt; only with sufficient bottom thickness
Toggle bolt; only for vertical loads
Hanger thru bolt; for heavy loads
Light straps; for ceiling and duct work

Other connection details perform functions similar to those shown. Consult the local PCI producer for information on relative economy and design capabilities.
MECHANICAL TRADES WITH CONDUITS RUNNING IN THE WALL
CAVITIES WILL NEED TO STOP THEIR CONDUITS AND / OR PIPES
BELOW THE BEARING ELEVATION OF THE HOLLOWCORE. THE
MASON WILL NEED TO LEAVE THE BLOCK OUT AROUND THE
CONDUITS / PIPE. ONCE THE HOLLOWCORE HAS BEEN
INSTALLED AND GROUTED, THE APPROPRIATE TRADE CAN THEN
CORE DRILL THROUGH THE HOLLOWCORE AND MAKE THE
CONNECTION BELOW. ONCE THE CONNECTION HAS BEEN MADE
THEN THE MASON CAN FILL IN THE AREA WITH BLOCK.

HC BEARING ELEV.

CORE DRILL AFTER PRECAST HAS BEEN SET AND GROUTED

MECHANICAL CONDUITS / PIPES

LEAVE BLOCK OUT AROUND CONDUITS / PIPES

SECTION
1" = 1'-0"

Mid South Prestress, LLC
2949 Joe Dowlen Road
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Fax (615) 746-6607
www.midsouthprestress.com

PLUMBING AND ELECTRICAL CONDUITS IN WALL CAVITIES

ENG:

CHK BY:

PROD:

FIELD:

DATE: JOB #:
HEADER DETAILS

5.7 (Continued)

PLAN

SECTION "A-A"

SECTION "B-B"

HEADER DETAIL

Fig. 5.7.2

Other connection details perform functions similar to those shown. Consult the local PCI producer for information on relative economy and design capabilities.
NO MASONRY ABOVE BEARING ELEVATION UNTIL PLANK IS ERECTED.

¾" x 2" KOROLATH BEARING PAD (By MSP)

3" MIN. BEARING

CMU WALL

SEE PLAN

VERTICAL REINFORCING BY OTHERS

#4 REBAR @ 48" O.C.
GRouted IN PLANK KEYWAY.

Topping BY OTHERS RECOMMENDED

CMU - END BEARING
#4 rebar @ 48" O.C. 12
Drill into wall and grouted in plank keyway.

Topping by others recommended

3/8"x2" Korolath bearing pad

Min. bearing (B)

CMU wall

See plan

CMU - End bearing w/ rebar down

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Date: Job #:
NO MASONRY ABOVE BEARING ELEVATION UNTIL PLANK IS ERECTED.

- VERTICAL REINFORCING BY OTHERS
- FILL BY OTHERS
- REINFORCING BY OTHERS
- TOPPING BY OTHERS RECOMMENDED
- CAMBER VARIES ALONG SPAN
- ½" GAP
- CMU WALL
- SEE PLAN
#4 REBAR @ 48" O.C.
DRILL INTO WALL
GROUTED IN KEYWAY

TOPPING
BY OTHERS
RECOMMENDED

4 TO 6D

1/2" x 2" KOROLATH BEARING PAD

CMU WALL

SEE PLAN

NOTE:
FOR CANTILEVER LENGTHS
GREATER THAN 4 TO 6D
CONTACT MID SOUTH
PRESTRESS.

CANTILEVERED PLANK (END)
BEARING CONDITION
OVER CMU WALL

DATE:  JOB #:
TOPPING BY OTHERS RECOMMENDED

ANGLE, ANCHORS, & INSTALLATION BY OTHERS ANCHOR TO PLANK ONLY

FILL WITH COMPRRESSIBLE MATERIAL IF REQUIRED. BY OTHERS

CMU WALL

CAP

SEE PLAN

#2 REBAR OR ½" Ø STITOPPING BY OTHERS GROUTED IN KEYWAY RECOMMENDED

PLANT NOTCH AT MIDI

TABBING BY OTHERS RECOMMENDED
#4 @ 48" O.C. CAST OR DRILL INTO WALL GROUTED IN JOINT

#2 REBAR OR ½" Ø STRAND X 4' - 0" GROUTED IN KEYWAY. IF 2' - 0"
O.C. PLANT NOTCH AT MIDPOINT

1" MIN. JOINT

TOPPING BY OTHERS RECOMMENDED

¾"x2" KOROLATH BEARING PAD

3" MIN. BEARING

3" MIN. BEARING

CMU WALL

SEE TABLE

CMU WALL BEARING #2
CMU / PANEL SIDELAP

VERTICAL REINFORCING BY OTHERS
POCKET FOR REBAR
#4 REBAR @ 48" O.C.
GRouted IN PLANK TOP NOTCH
TOPPING BY OTHERS RECOMMENDED
CAMBER VARIES ALONG SPAN
SIDE LAP
SIDE LAP
CMU
SEE PLAN
SIDE CONDITION FOR A FLAT C.I.P. WALL

- Reinforcing by others
- Grout joint by others
- Topping by others recommended
- Camber varies along span
- 1" Gap
- C.I.P. Wall

SEE PLAN
#4 @ 48" O.C.

1" MIN. GROUTED JOINT

#4 REBAR x 4'-0"
GROUTED IN KEYWAY.

TOPPING BY OTHERS RECOMMENDED

3/4"x2" KOROLATH BEARING PAD

C.I.P. WALL

3" MIN. BEARING

SEE TABLE

BEARING ON C.I.P. WALL FROM BOTH SIDES
1" GROUTED JOINT

#4 BAR x 4'-0"
GROUTED IN KEYWAY.

EMBED PLATE ☓ ALTERNATE ENDS ☓
4'-0" O.C.

TOPPING
BY OTHERS
RECOMMENDED

3/16" TYP.

3" MIN BEARING

STEEL BEAM BY OTHERS
SEE PLAN FOR SIZE

BEARING ON STEEL BEAM FROM BOTH SIDES
1" GROUTED JOINT

#4 BAR x 4'-0"
GROUTED IN KEYWAY.

EMBED PLATE @ ALTERNATE ENDS @ 4'-0" O.C.

Topping by others recommended

3/16" typ.

3" MIN BEARING

STEEL BEAM BY OTHERS SEE PLAN FOR SIZE

BEARING ON STEEL BEAM FROM BOTH SIDES
EBEMD PLATE ALTERNATE ENDS @
4'-0" O.C.

TAPPING
BY OTHERS
RECOMMENDED

1" MIN.

3/16"

STEEL BEAM BY OTHERS
SEE PLAN FOR SIZE

BEARING ON STEEL
BEAM W/ WELD PLATE

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SIDE CONDITION

SCALE: 1" = 1'-0"

4"X6"X 3/8" PLATES @ 4'-0" O/C
Spacers added as required to accommodate camber

BEAM BY OTHERS
1F

SECTION

SCALE: 1 1/2"=1'-0"

1F

SIDE CONDITION
HOLLOW CORE LAPS STUD WALL

Eng:
Ckt By:
Prod:
Field:

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F-1
1D

SECTION

LOAD BRG., LIGHT GAGE METAL FRAMING – SEE PLAN & SCHED.

1/2" DIA. THRU BOLT @ 4'-0" O.C.

#5 CONT.

8" LIGHT GAGE STUDS AND TRACK TO MATCH ADJACENT FRAMING

2-1000S200-97 BOXED HEADER WHERE OCCURS SEE 9H/51.02 FOR OTHER HEADER INFORMATION

NOTE:
PROVIDE A 12 GA. x 3" x 3"
REINFORCEMENT W/ MAX.
1 1/2" DIA. HOLE THROUGH HEADER WHERE REQ’D. FOR ELECTRICAL PENETRATIONS.

T/OPENING EL– SEE ARCH.

BEARING DETAIL
CIP STRUCTURAL TOPPING

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DATE: JOB #
END BEARING

SCALE: 1" = 1'-0"

#4 x 8"-0" long in each grout keyway supplied & installed by others

ANCHORS BY OTHERS

8" PRECAST SLAB
1/2" DIA. THRU BOLTS
AND 1" WASHERS @
4'-0" O.C. - TYP.

2" CONC.
TOPPING

4"x4"-0"
IN
EA. KEYWAY

GROUT CELLS
AT BEARING

6" HOLLOW-CORE
PLANKS

3" MIN.
BRG.-TYP.

LOAD-BRG. LIGHT
GAGE METAL STUDS -
SEE PLAN & SCH.ED.

NOTE:
PROVIDE 12/32"x3/"x0'-3" AND WELD 1/2" DIA.
STUDS TO BOTTOM OF W. AT ATTIC SLAB.

7B

METAL STUD WALL TO METAL STUD WALL

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DATE: | JOB #