Table of Contents AAC Framing Details

Structural Framing Details		
Section #	Section Description	Detail No.
13000	Pref. Wood Truss at AAC Wall – Top Plate	13001-13008
13100	Pref. Wood Truss at AAC Wall – Wood Ledger	13101
13200	Wood "I" Joists at AAC Wall – Top Plate	13201-13202
13300	Wood "I" Joists at AAC Wall – Wood Ledger	13301-13303
13400	Wood Joists at AAC Wall – Top Plate	13401
13500	Wood Joists at AAC Wall – Wood Ledger	None at this time
13600	Wood framing at AAC and CMU Basement walls	13601
14000	Wood Ledger at AAC Wall	14001-14006
14100	Pref. Wood Trusses / Joists at non-bearing AAC wall	14101
14200	Plywood Sheathing at AAC Wall	14201-14204
15000	Wood Beam at AAC Wall- Wall Continues	15001-15003
15100	Wood Beam at AAC Wall- Flush with wall	15101-15105
15200	Wood Viga Beam at AAC Wall	15201
15300	Wood Beam at AAC Column	15301-15302
16000	Steel Ledger/Deck at AAC Wall	16001
18200	Stair Framing at AAC Wall	18201

wall reinforcing in solid grouted cells where shown on plans Note:
Roof framing and
connection to wall to be
designed and coordinated
with the architect and {or}
engineer of record.

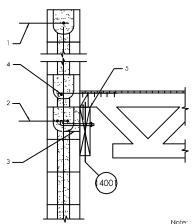
PREFABRICATED WOOD TRUSS AT AAC BLOCK WALL

PREFABRICATED WOOD TRUSS AT AAC BLOCK WALL

PREFABRICATED WOOD TRUSS BEARING AT AAC BLOCK WALL

PREFABRICATED WOOD TRUSS AT AAC BLOCK WALL





- DETAIL KEY NOTES

 1 #4 continuous horizontal reinforcing in solid grouted AAC "U" block typ at top of parapet walls

 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block

 3 Notch AAC "U" block 6" at each ledger bolt See typical ledger bolt detail

 1 #4 continuous horizontal reinforcing in solid grouted AAC "U" block at wall strop.

 5 Wood ledger and connection See ledger schedule on plans

Note: Roof framing and connection to wall to be designed and coordinated with the architect and {or} engineer of record.

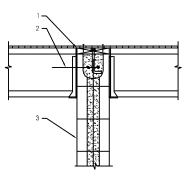
WOOD TRUSS BEARING AT WOOD LEDGER TO AAC BLOCK WALL

- DETAIL KEY NOTES

 1 __x __plate with __" Ø anchor bolts at __" o.c.

 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block

 3 AAC Block wall with vertical wall reinforcing in solid grouted cells where shown on plans



DETAIL KEY NOTES

1 _ x_ plate with _"Ø anchor bolts at _"o.c.

2 AAC Block wall with vertical wall reinforcing in solid grouted cells where shown on plans

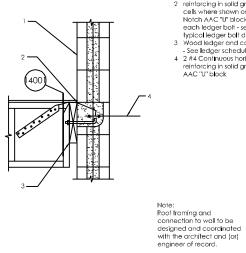
3 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block

Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

PREFABRICATED WOOD "I" JOIST AT AAC BLOCK WALL

WOOD "I" JOIST AT AAC BLOCK WALL

Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

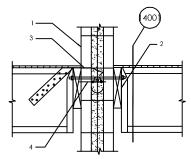


WOOD "I" JOIST AT AAC BLOCK WALL

DETAIL KEY NOTES

- DEFAIL KEY NOTES

 1 AAC block wall with vertical
 2 reinforcing in solid grouted
 cells where shown on plan
 Noteh AAC "I" block 6" at
 each ledger bolt see
 lypical ledger bolt defall 202
 3 Wood ledger and connection
 See ledger schedule
 4 2 #4 Continuous horizontal
 reinforcing in solid grouted
 AAC "U" block



DETAIL KEY NOTES

- DETAIL KEY NOTES

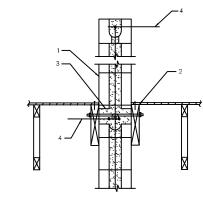
 1 AAC block wall with vertical reinforcing in solid grouted cells where shown on plans

 2 Wood ledger and connection -see ledger schedule on plans

 3 Notch AAC "U" block 4" at each ledger bolt -see ledger bolt detail

 4 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block

Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.



- DETAIL KEY NOTES

 1 AAC block wall with vertical reinforcing in solid grouted cells where shown on plans
 2 Wood ledger and connection See ledger schedule on plans
 3 Notch AAC "" block 4" at each ledger bolt see ledger bolt of elail 2 #4 continuous horizontal reinforcing in solid grouted AAC "\" block
 5 1 #4 continuous horizontal reinforcing in solid grouted AAC "\" block
 1 #4 continuous horizontal reinforcing in solid grouted AAC "\" block
 to the position of the positio

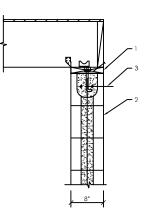
Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

WOOD ROOF "I" JOIST AT AAC BLOCK WALL

AAC DOUBLE LEDGER - NON-BEARING

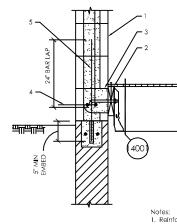
- DETAIL KEY NOTES

 | __x_plate with __" Ø anchor bolls at __" o.c.
 | AAC Block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 | 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block



Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

WOOD JOIST AT AAC BLOCK WALL



- DETAIL KEY NOTES

 1 AAC block wall with #4 vertical reinforcing at wall ends, corners, each side of opening and at spacing not to exceed 48" o.c.

 2 Wood ledger and connection

 See ledger schedule on plans

 3 Notch bond beam block 4" at each ledger balt

 4 2 #4 continuous harizontal reinforcing in solid grouted AAC "U" block

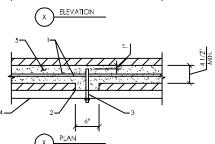
 5 #5 doweb to lap vertical wall reinforcing with simpson HY150 epoxy into cmu wall

- Notes:

 1. Reinforcing shown is minimum reinforcing requirement, additional reinforcing at door openings greater than 4-0" may be required.

 2. Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

AAC WALL AT CMU BASEMENT WALL AND FLOOR JOIST



SECTION AT LEDGER CONNECTION

1

WOOD LEDGER AT NON-BEARING AAC BLOCK WALL



- DETAIL KEY NOTES

 1 2 #4 Continuous horizontal reinforcing in solid grouted AAC "U" block 6" at each ledger bolt

 1 Ledger bolt

 4 Wood ledger see plans

 5 Solid grout AAC "U" block

DETAIL KEY NOTES

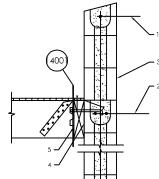
AAC block wall with vertical wall reinforcing were shown

on plans

Wood ledger and connection - See ledger schedule on plans

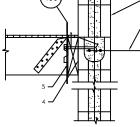
Hilli HY 15d epoxy 5/8" Ø thread rod with - by others

Note:
Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.



- DETAIL KEY NOTES

 1 1 #4 continuous horizontal reinforcing in solid grouted AAC "U" block at top of parapet walls
 2 2 #4 continuous horizontal reinforcing in solid grouted AAC "U" block
 3 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 4 Notch AAC "U" block 4" at each ledger both
 5 Wood ledger and connection See ledger schedule on plans



Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

WOOD LEDGER AT AAC BLOCK WALL

DETAIL KEY NOTES

- DETAIL KEY NOTES

 I AAC Dlock wall with vertical reinforcing in solid grouted cells where shown on plan

 Wood ledger and connection

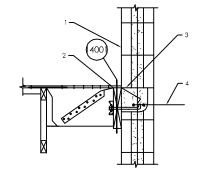
 See ledger schedule on plans

 Notch AAC "U" block 6"

 at each see typical ledger bolt detail

 2 #4 Continuous horizontal reinforcion in solid grouted.

- reinforcing in solid grouted AAC "U" block



Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

WOOD TRUSS PARALLEL TO AAC BLOCK WALL

DETAIL KEY NOTES

Note:
Roof framing and connection to wall to
be designed and coordinated with the
architect and {or} engineer of record.

WOOD "I" JOIST PARALLEL TO AAC BLOCK WALL

- DELAIL REY NOTES

 1 AAC Block wall with vertical reinforcing in solid grouted cells where shown on plan

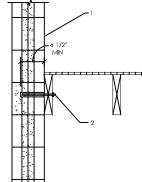
 2 Wood ledger and connection

 See ledger schedule on plans

 3 Notch AAC "U" block 6"

 at each see typical ledger both detail

 4 2 #4 Continuous horizontal seinforcion in self-draytled.
- reinforcing in solld grouted AAC "U" block



DETAIL KEY NOTES

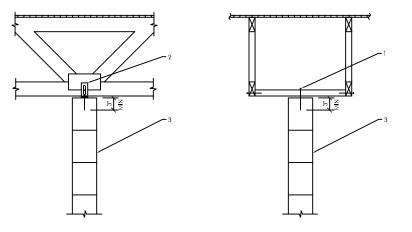
- AAC block wall with vertical wall reinforcing were shown on plans
 5/8" Ø threaded rod with H ith HY 150d epoxy by others

Note: Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

WOOD JOIST AT AAC BLOCK WALL

- DETAIL KEY NOTES

 1 3/16" Coarse threaded screws at each block/clip
 2 Simpson DTC clip at each truss
 3 6" AAC Block wall

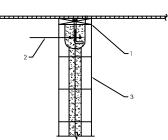


Note:
Roof framing and connection to wall to be designed and coordinated with the architect and {or} engineer of record.

TYPICAL TOP OF AAC WALL CONNECTION AT PREFABRICATED WOOD TRUSS

- DETAIL KEY NOTES

 1 __x_wood plate with
 __'@ anchor bolls at __'o.c.
 2 2#4 Continuous horizontal
 reinforcing in solid grouted
 AAC "Ur black
 3 AAC Block wall with vertical
 wall refrigering in solid
- wall reinforcing in solid grouted cells where shown on plans



Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

INTERIOR AAC BLOCK WALL AT WOOD JOIST/TRUSS

- DETAIL KEY NOTES

 1 __x __wood plate with
 __'0 anchor bolls at __'o.c.
 2 2#4 Continuous horizontal
 reinforcing in solid grouted
 AAC "U" block
 3 AAC Block wall with vertical
 wall refraction in solid
- wall reinforcing in solid grouted cells where shown on plans

Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

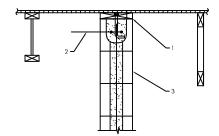
INTERIOR AAC BLOCK WALL AT WOOD JOIST/TRUSS

- DETAIL KEY NOTES

 1 __x __wood plate with
 __" Ø anchor bolts at __"o.c.
 2 #4 Continuous horizontal
 reinforcing in solid grouted
 AAC "U" black
 3 AAC Black wall with vertical
 wall reinforcing in solid
 grouted cells where shown
 on plans

- DETAIL KEY NOTES

 1 __x_wood plate with
 __" @ anchor bolls at __" o.c.
 2 2#4 Continuous horizontal
 reinforcing in solid grouted
 AAC "U" block
 3 AAC Block wall with vertical
 wall reinforcing in solid
- wall reinforcing in solid grouted cells where shown on plans



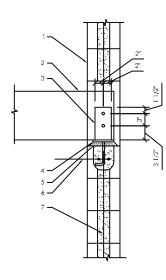
Roof framing and connection to wall to be designed and coordinated with the architect and (or) engineer of record.

INTERIOR AAC BLOCK WALL AT WOOD JOIST/TRUSS

 \bowtie

Roof framing and connection to wall to be designed and coordinated with the architect and {or} engineer of record.

INTERIOR AAC BLOCK WALL AT WOOD JOIST/TRUSS



- DETAIL KEY NOTES

 1 AAC block wal with vertical wall reinforcing in solid grouted cells where shown on plans

 2 Wood beam

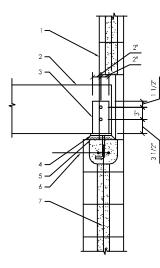
 3 1/4" Steel plate each side of beam with 2 3/4" Ø thru-bolts

 4 1/2" x 6" x 6" Bearing plate with 2 3/4" Ø a.b.

 5 1" drypack

 6 2 #4 x 48" long centered under beam in solid grouted AAC "U" block

 7 Provide 1 #4 vertical reinforcing under beam bearing typ



- DETAIL KEY NOTES

 1 AAC block wall with vertical wall reinforcing in sold grouted cells where shown on plans

 2 Wood beam

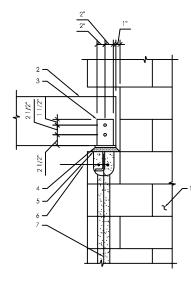
 3 1/4" Steel plate each side of beam with 2 3/4" Ø thru-balts

 4 1/7" & "x &" & Bearing plate
 with 2 3/4" Ø a.b.

 5 1" drypack

 6 2 #4 x 48" long centered under beam in sold grouted
 AAC "U" block

 7 Provide 1 #4 vertical reinforcing under beam bearing



- DETAIL KEY NOTES

 1 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans

 2 Wood beam

 3 1/4" Steel place each side of beam with 2 3/4" Ø thru-bolts

 4 1/2" x 6" x 6" Bearing plate with 2 3/4" Ø anchor bolts

 5 1" drypack

 6 2 #4 x 48" long centered under beam in solid grouted AAC "I" block

 7 Provide 1 #4 vertical reinforcing under beam bearing typ

WOOD BEAM AT AAC BLOCK WALL

WOOD BEAM AT AAC BLOCK WALL

WOOD BEAM AT AAC BLOCK WALL



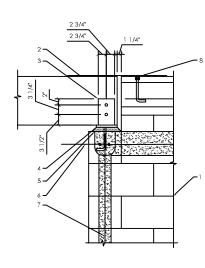
- DETAIL KEY NOTES

 1 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans

 2 Wood beam by others

 3 Simpson META with TSS by others

 4 2 #4 x 48" long centered under beam in solid grouted

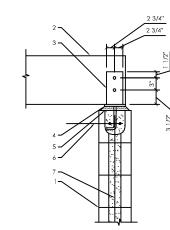


WOOD BEAM AT AAC BLOCK WALL

- DETAIL KEY NOTES

 1 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 2 Wood beam by others
 3 3/16" Steel plate each side of beam with 2-3/4" @ Ithu-balls
 4 1/2" x 6" x 6" Searing plate with 2-3/4" @ anchor balls
 1" drypack
 6 2 #4 x 2-0" long centered under beam in solid grouted

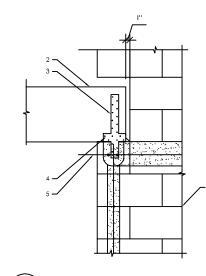
- 2 #4 x 2-0" long centered under beam in solid grouted
 7 AAC "U" block Provide 1 #4 vertical reinforcing under beam bearing typ
 8 Simpson strap by others



- DETAIL KEY NOTES

 1 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 2 Wood beam by others
 3 3/16" Steel plate each side of beam with 2-3/4" @ innu-balls
 4 Bearing plate with 2-3/4" @ anchor balls by others
 5 1" drypack
 6 2 #4 x 48" long centered under beam in solid grouted

- beam in solid grouted
 7 AAC "U" block Provide 1 #4
 vertical reinforcing under beam
 bearing -typ



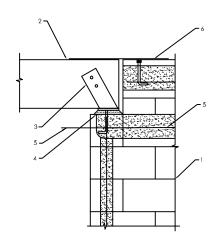
- DETAIL KEY NOTES

 1 AAC block wall with vertical
- 1 AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 2 Wood beam
 3 Simpson HETAL 12 at each side of beam cut AAC blocks as required to provide 4" of concrete grout arround strap
 4 Provide a moisture barrier membrane between beam and AAC block wall
- wall
 5 2 #4 x 48" long centered under
 beam in solid grouted AAC "U"
 block use corner bars as
 required

WOOD BEAM AT AAC BLOCK WALL

- DETAIL KEY NOTES AAC block wall with vertical wall reinforcing in solid grouted cells where shown on plans
 Wood beam - by others
 Simpson Glis type beam seat
 I "drypack

- 1" drypack
 2 #4 x 4' 0" long centered under beam in solid grouted AAC "U" block
- 6 Simpson strap by others



WOOD BEAM AT AAC BLOCK WALL

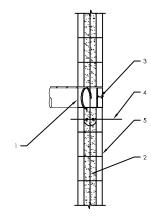
WOOD BEAM AT AAC BLOCK WALL

WOOD BEAM AT AAC BLOCK WALL



- DETAIL KEY NOTES

 1 AAC Blocks between vigas
 6 Vertical wall reinforcing in 3" Ø solid grouted cell where shown on plan
 3 2" minimum AAC end block
 2 #4 horizontal reinforcing in solid grouted AAC "U" block
 5 AAC Block wall



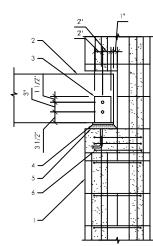
Note: Framing and connection to wall to be designed and coordinated with the architect and {or} engineer of record.

WOOD VIGA BEAM AT AAC BLOCK WALL



- DETAIL KEY NOTES

 1 2 1/2" Ø threaded rods see structural drawings
 2 Wood beam see structural drawings
 3 Nut with 1" Ø washer
 4 E-Crete AAC column
 5 3 #3 ites in top 5" of column
 6 4 #4 vertical reinforcing see detail 103
 7 #4 fies at 16" o.c.



- DETAIL KEY NOTES

 1 AAC block column with #4 vertical column reinforcing in solid grouted cells at each corner

 2 Wood beam by others

 3 1/4" Steel plate each side of beam with 2 3/4" Ø Intu-bolls

 4 1/2" x 5" x 10" bearing plate with 2 3/4" Ø anchor bolls

 5 1" drypack

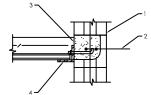
 6 3 #2 ties in top 5" of column

WOOD BEAM AT AAC COLUMN

WOOD BEAM AT AAC COLUMN

- DETAIL KEY NOTES

 1 AAC Block wall with vertical reinforcing in sold grouted cells where shown on plans
 2 #4 continuous harizontal reinforcing in sold grouted AAC "U" block
 3 Notch AAC "U" block 4" at each ledger bott see ledger bott delay 1 Steel ledger and connection-See ledger schedule on plans



Note:
Framing to be designed and coordinated with the architect and {or} engineer of record.

STEEL LEDGER AT AAC BLOCK WALL

- DETAIL KEY NOTES

 1 AAC block woll beyond
 2 2 x freads with 3 16d ring
 shank nails at each stringer
 3 2 x iser and fread with
 2 10d nails at each stringer
 4 2 x 12 stait stringer with 3/4" Ø
 Hilli HY 150/HSE 2421 epoxied
 Into AAC block at 11-6" o.c.
 typical with 13/16" Ø holes
 6 5/8" deep

WOOD STAIR STRINGER ATTACHMENT AT AAC WALL