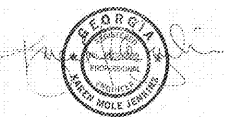




102 May Alca Park Road, Suite 103
Cumming, GA 30040



**CONWAY & OWEN
SHEAR
STRUCTURAL**

PRESS BOX EXPANSION
RIVERSIDE MILITARY ACADEMY
2001 RIVERSIDE DR
GAINESVILLE, GA 30601

PRINT RECORD

No.	DATE	DESCRIPTION
	12/20/2019	BID & PERMIT SET

Drawn By: CC
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Date: 12/20/19
Job No.: 19046

Sheet Title: **MASONRY DETAILS**

Sheet No.: **S-4.01**

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16
S-4.01
TYPICAL LEDGER AT CMU WALL AT FLOOR DECK
3/4" = 1'-0"

NOTES:
1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" ABOVE AND BELOW EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

16
S-4.01
TYPICAL LEDGER AT CMU WALL AT FLOOR DECK
3/4" = 1'-0"

12
S-4.01
STEEL BEAM CONNECTION AT CMU WALL AT ROOF DECK
3/4" = 1'-0"

NOTES:
1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" ABOVE AND BELOW EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

12
S-4.01
STEEL BEAM CONNECTION AT CMU WALL AT ROOF DECK
3/4" = 1'-0"

8
S-4.01
STAIR LANDING BEAM AT CMU WALL
3/4" = 1'-0"

NOTES:
1. AT CONTRACTOR'S OPTION USE FIELD WELDED CONNECTIONS IN LIEU OF BOLTED CONNECTIONS.
2. AT CONTRACTOR'S OPTION USE EXISTING STEEL STIFFENER WHERE STAIR LANDING BEAM ALIGNS WITH EXISTING PLATE.
3. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" ABOVE AND BELOW EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

8
S-4.01
STAIR LANDING BEAM AT CMU WALL
3/4" = 1'-0"

15
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR W/O PARAPET)
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.

15
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR W/O PARAPET)
3/4" = 1'-0"

11
S-4.01
TYPICAL BRACING AT CMU WALL AT ROOF DECK (PERPENDICULAR)
3/4" = 1'-0"

NOTES:
1. SEE 6/6-4.01 FOR MECHANICAL COUPLER REQUIREMENTS.
2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.

11
S-4.01
TYPICAL BRACING AT CMU WALL AT ROOF DECK (PERPENDICULAR)
3/4" = 1'-0"

7
S-4.01
TYPICAL CMU WALL AT BEAM BEARING
3/4" = 1'-0"

NOTES:
1. MECHANICAL COUPLER SHALL BE ACI TYPE 1 CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING.
2. DO NOT DAMAGE EXISTING REINFORCING. CLEAN EXPOSED BAR ENDS PRIOR TO INSTALLING MECHANICAL LAP-SPLICE.

7
S-4.01
TYPICAL CMU WALL AT BEAM BEARING
3/4" = 1'-0"

3
S-4.01
BP1 - COLUMN BASEPLATE AT CORNER
1 1/2" = 1'-0"

NOTES:
1. SET TOP OF PLATE FLUSH WITH EXIST. TOP OF MASONRY ELEVATION. COORDINATE WITH CAST STONE. SEE ARCH DWGS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" BELOW AND EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

3
S-4.01
BP1 - COLUMN BASEPLATE AT CORNER
1 1/2" = 1'-0"

18
S-4.01
TYPICAL CMU WALL AT BEAM BEARING
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.

18
S-4.01
TYPICAL CMU WALL AT BEAM BEARING
3/4" = 1'-0"

14
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PARALLEL)
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.

14
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PARALLEL)
3/4" = 1'-0"

10
S-4.01
TYPICAL BRACING AT CMU WALL AT FLOOR DECK
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.
2. IF VERT REIN IS CUT AT JOIST BEARING PROVIDE EQUAL VERT REIN IN ADJACENT CELL.
3. SEE 6/6-4.01 FOR MECHANICAL COUPLER REQUIREMENTS.

10
S-4.01
TYPICAL BRACING AT CMU WALL AT FLOOR DECK
3/4" = 1'-0"

6
S-4.01
COUPLER AT EXISTING REINFORCING
1" = 1'-0"

NOTES:
1. SET TOP OF PLATE FLUSH WITH EXIST. TOP OF MASONRY ELEVATION. COORDINATE WITH CAST STONE. SEE ARCH DWGS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" BELOW AND EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

6
S-4.01
COUPLER AT EXISTING REINFORCING
1" = 1'-0"

2
S-4.01
TYPICAL REINFORCED CMU WALL
3/4" = 1'-0"

NOTES:
1. USE 4.0 LIFTS FOR BAR SIZES #3 THROUGH #6. USE 5.0 LIFTS FOR BAR SIZES #7 AND ABOVE.
2. FOR FOOTING AND ADDITIONAL REINFORCING, REFER TO PLANS AND SECTIONS.

2
S-4.01
TYPICAL REINFORCED CMU WALL
3/4" = 1'-0"

17
S-4.01
TYPICAL BRACING AT INTERIOR CMU WALL AT COMPOSITE DECK
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.

17
S-4.01
TYPICAL BRACING AT INTERIOR CMU WALL AT COMPOSITE DECK
3/4" = 1'-0"

13
S-4.01
STAIR STRINGER AT EXTERIOR CMU WALL
3/4" = 1'-0"

NOTES:
1. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" ABOVE, BELOW AND EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

13
S-4.01
STAIR STRINGER AT EXTERIOR CMU WALL
3/4" = 1'-0"

9
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR)
3/4" = 1'-0"

NOTES:
1. VERTICAL REIN NOT SHOWN FOR CLARITY.
2. IF VERT REIN IS CUT AT JOIST BEARING PROVIDE EQUAL VERT REIN IN ADJACENT CELL.
3. SEE 6/6-4.01 FOR MECHANICAL COUPLER REQUIREMENTS.

9
S-4.01
TYPICAL 8" CMU WALL AT JOIST (PERPENDICULAR)
3/4" = 1'-0"

5
S-4.01
BP2 - COLUMN BASEPLATE
1 1/2" = 1'-0"

NOTES:
1. SET TOP OF PLATE FLUSH WITH EXIST. TOP OF MASONRY ELEVATION. COORDINATE WITH CAST STONE. SEE ARCH DWGS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" BELOW AND EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

5
S-4.01
BP2 - COLUMN BASEPLATE
1 1/2" = 1'-0"

1
S-4.01
TYPICAL REINFORCING AT 8" LOAD BEARING CMU WALL
3/4" = 1'-0"

NOTES:
1. SET TOP OF PLATE FLUSH WITH EXIST. TOP OF MASONRY ELEVATION. COORDINATE WITH CAST STONE. SEE ARCH DWGS.
2. WHERE SOLID GROUTED CELLS ARE NOT ENCOUNTERED GROUT 8" BELOW AND EACH SIDE OF ANCHOR PRIOR TO INSTALLING ANCHORS.

1
S-4.01
TYPICAL REINFORCING AT 8" LOAD BEARING CMU WALL
3/4" = 1'-0"

Order Plans