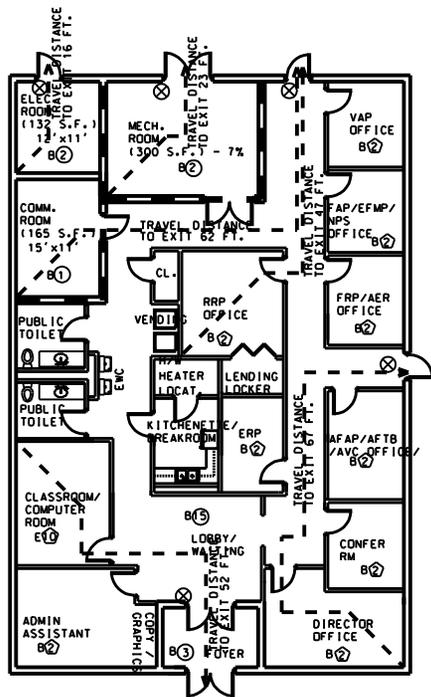


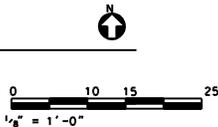


FIGURE 7.2 - SMALL LIFE SAFETY PLAN.



**LIFE SAFETY PLAN - SMALL ARMY COMMUNITY SERVICE CENTER**

SCALE: 1/8" = 1'-0"  
 TOTAL AREA: 4,130 SQ. FT.  
 OCCUPANCY LOAD: 51 PEOPLE.



**CODE COMPLIANCE NOTES:**

1. UFC 3-600-01 REQUIRES USE OF IBC FOR FIRE RESISTANCE, AND NFPA 101 FOR EGRESS.
2. MAXIMUM OCCUPANCY OF EACH ROOM IS BASED ON NFPA 101 TABLE 7.3.1.2.

**LEGEND:**

— 2 - HOUR FIRE RATED WALL (SEE CODE COMPLIANCE SUMMARY NOTE 7.)

NFPA 101 OCCUPANCY CLASSIFICATIONS

PLANNED OCCUPANCY OF BUILDING & PERSONS

B AREA OCCUPANCY CLASSIFICATION PER IBC 2006 SECTION 3.

① OFFICE AREAS - NUMBER OF PERSONS AT 100 SF PER PERSON SEE CODE COMPLIANCE NOTE 2.

② STORAGE/ MECH/ ELECTR - MAXIMUM PROBABLE NUMBER OF OCCUPANTS.

⊗ EXIT LIGHTING

--- TRAVEL DISTANCE TO EXIT.

**CODE COMPLIANCE SUMMARY:**

1. THIS IS A LIFE SAFETY DESIGN GUIDE.
2. IBC 2006 OCCUPANCY CLASSIFICATION:  
 THE COMMUNICATIONS, ELECTRICAL AND MECHANICAL ROOMS ARE INCIDENTAL TO THE ACS FACILITY AND THEREFORE CLASSIFIED BUSINESS OCCUPANCY.

	IBC 2006	NFPA 2003
OFFICES & CORRIDORS	B (PROFESSIONAL SERVICE)	NEW BUSINESS (OCCUPANCY LOAD: 41 PEOPLE)
COMPUTER ROOM	E (EDUCATIONAL PURPOSES)	NEW EDUCATIONAL (OCCUPANCY LOAD: 10 PEOPLE)

3. CONSTRUCTION TYPE (SEE IBC TABLES 503 AND 602)

- A.) TYPE: II CONSTRUCTION, SPRINKLERED.
- B.) BEARING WALLS: NO RATING REQUIRED PER TABLE 601.
- C.) NON-BEARING WALLS  
 INTERIOR: NO RATING REQUIRED PER TABLE 601.  
 EXTERIOR: NO RATING REQUIRED UNLESS WITHIN 30 FT SEPARATION PER IBC TABLE 602.
- D.) STRUCTURAL FRAME: NO RATING REQUIRED PER IBC TABLE 601.
- E.) CORRIDORS:
- F.) ROOF SYSTEM, INCLUDING SUPPORT BEAMS & JOIST NO RATING REQ'D FOR TYPE 1B CONSTRUCTION PER IBC TABLE 601.
- G.) FLOOR SYSTEM, INCLUDING SUPPORT BEAMS & JOISTS: NO RATING REQUIRED, PER IBC 601
- H.) EXTERIOR DOORS & WINDOWS : NO RATING REQUIRED EXCEPT SEE IBC TABLE 601, 602 AND 715.3.

4. BUILDING HEIGHT (SEE IBC TABLE 503)

- A.) ALLOWABLE BUILDING HEIGHT : 4 STORIES . 55 FEET
- B.) ACTUAL BUILDING HEIGHT: 1 STORY . APPROX 32 FEET

5. BUILDING AREA (SEE IBC TABLE 503)

OCCUPANCY - IBC 2006	ALLOWABLE AREA - IBC 2006	CONSTRUCTION TYPE	ACTUAL AREA APPROXIMATE	ACTUAL ALLOWABLE
B (BUSINESS)	92,000 S.F. (23,000 X 4)	11B	3960 S.F.	.04
E (EDUCATIONAL)	29,000 S.F. (14,500 X 2)	11B	170 S.F.	.006
A-3 (ASSEMBLY WITHOUT FIXED SEATING)	19,000 S.F. (9,500 X 2)	11B	N/A	N/A

6. TRAVEL DISTANCES REQUIREMENTS:

NFPA 101 SECTIONS 22.2.6.3 AND 38.2.6.2 REQUIRE MAXIMUM LENGTH OF TRAVEL TO AN EXIT TO BE

200 FT FOR UNSPRINKLED AND 300 FT SPRINKLED FOR NEW BUSINESS OCCUPANCY.

OCCUPANCY - NFPA 101	NFPA 101 SECTION	TRAVEL DISTANCE LIMIT TO EXIT (SPRINKLERED)	ACTUAL TRAVEL DIST (MAX. SHOWN)
ORDINARY HAZARD STORAGE	42.2.6	200 FT	N/A
NEW BUSINESS	38.2.6.1	300 FT	67 FT.
A-3 ASSEMBLY	12.2.6(1)	250 FT	N/A
EDUCATION	14.2.6.2	200 FT	52 FT.

7. SEPARATIONS:

- ELECTRICAL ROOM IS SEPARATED FROM OTHER SPACES WITH 2 HOUR FIRE RATED CONSTRUCTION PER IBC 2006 PARAGRAPH 302.1.1.
- MECHANICAL ROOM IS SEPARATED FROM OTHER SPACES WITH 2 HOUR FIRE RATED CONSTRUCTION PER IBC 2006 PARAGRAPH 302.1.1.

U.S. Army Facilities Lab  
 Support Center, Fort Belvoir  
 1000 S. 4th Street  
 Fort Belvoir, IL 61704  
 PROJECT: STAFF/ACTIVITY TO  
 SHEET: 1000

REVISIONS

NO.	DESCRIPTION	DATE

ARMY COMMUNITY SERVICE CENTER  
 SMALL FACILITY

CODE: 1000  
 DATE: 01/01/01  
 SHEET NO.: 1000  
 STA. PROJ. NO.:  
 SPEC. NO.:  
 CONTRACT NO.:  
 ANY OTHER NO.:

SHEET 1 OF 1  
**LS-100**









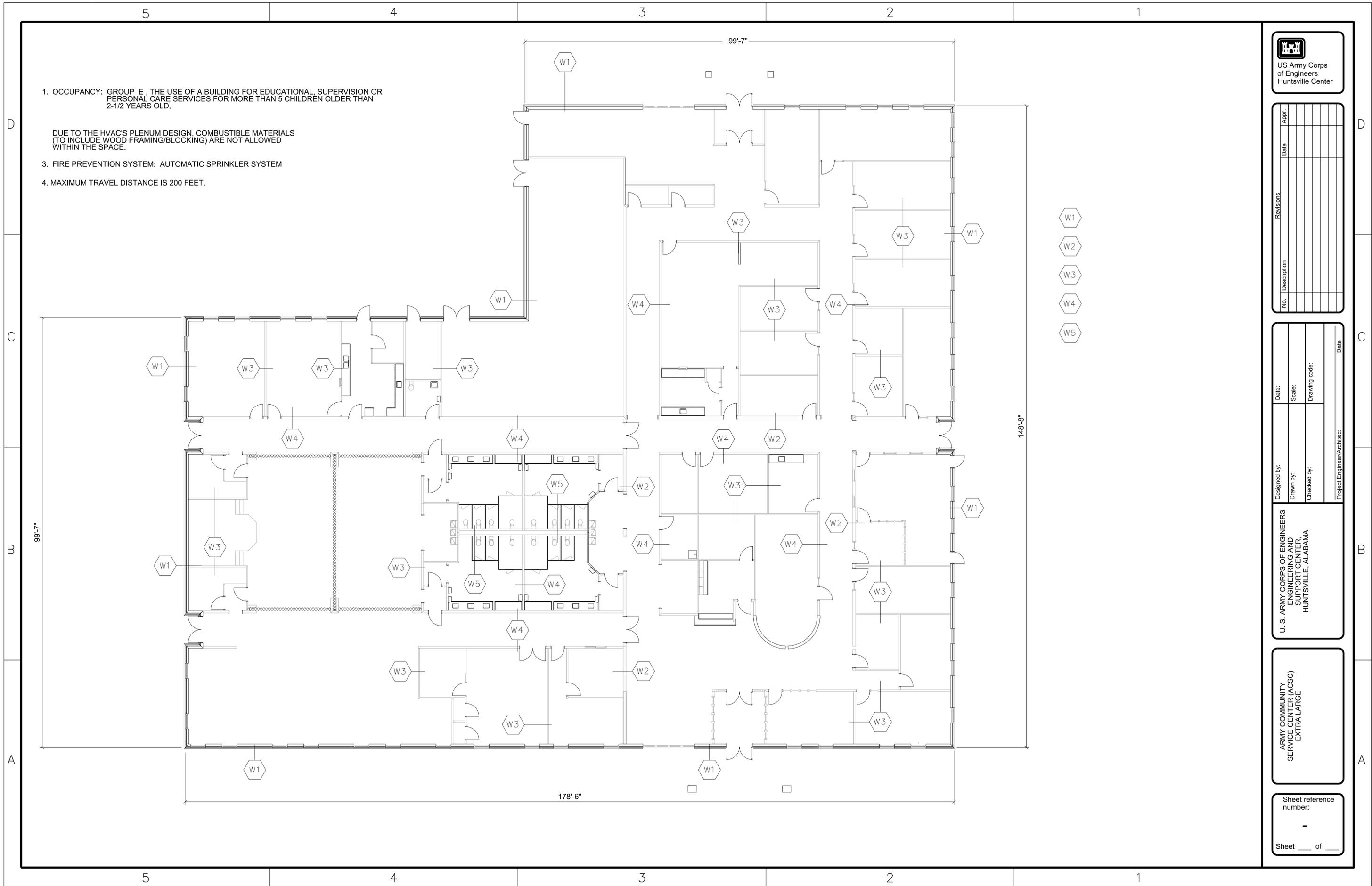












1. OCCUPANCY: GROUP E, THE USE OF A BUILDING FOR EDUCATIONAL, SUPERVISION OR PERSONAL CARE SERVICES FOR MORE THAN 5 CHILDREN OLDER THAN 2-1/2 YEARS OLD.

DUE TO THE HVAC'S PLENUM DESIGN, COMBUSTIBLE MATERIALS (TO INCLUDE WOOD FRAMING/BLOCKING) ARE NOT ALLOWED WITHIN THE SPACE.

3. FIRE PREVENTION SYSTEM: AUTOMATIC SPRINKLER SYSTEM

4. MAXIMUM TRAVEL DISTANCE IS 200 FEET.

- W1
- W2
- W3
- W4
- W5



No.	Description	Date	Appr.

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Date	

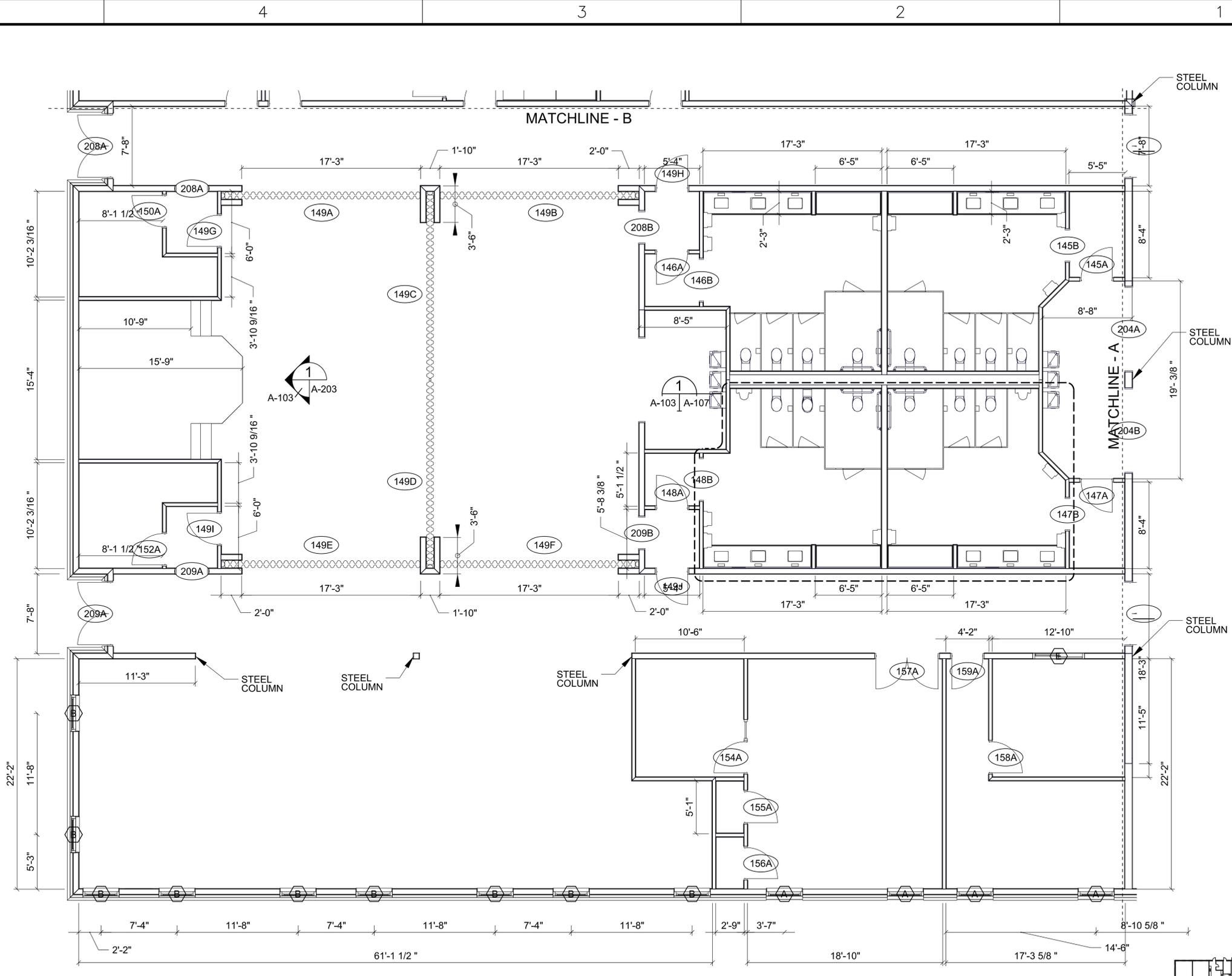
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ARMY COMMUNITY  
SERVICE CENTER (ACSC)  
EXTRA LARGE

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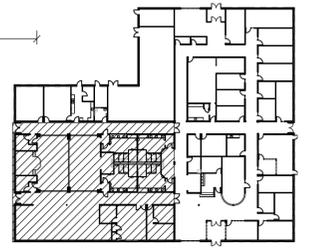




GENERAL NOTES

1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.

PLAN SCALE: 3/16" = 1'-0"  
PARTIAL FLOOR PLAN-AREA "A"



KEY PLAN



No.	Description	Date	Appr.

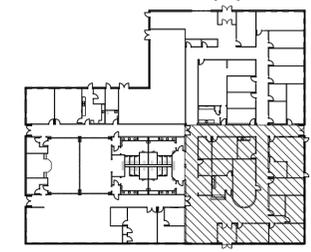
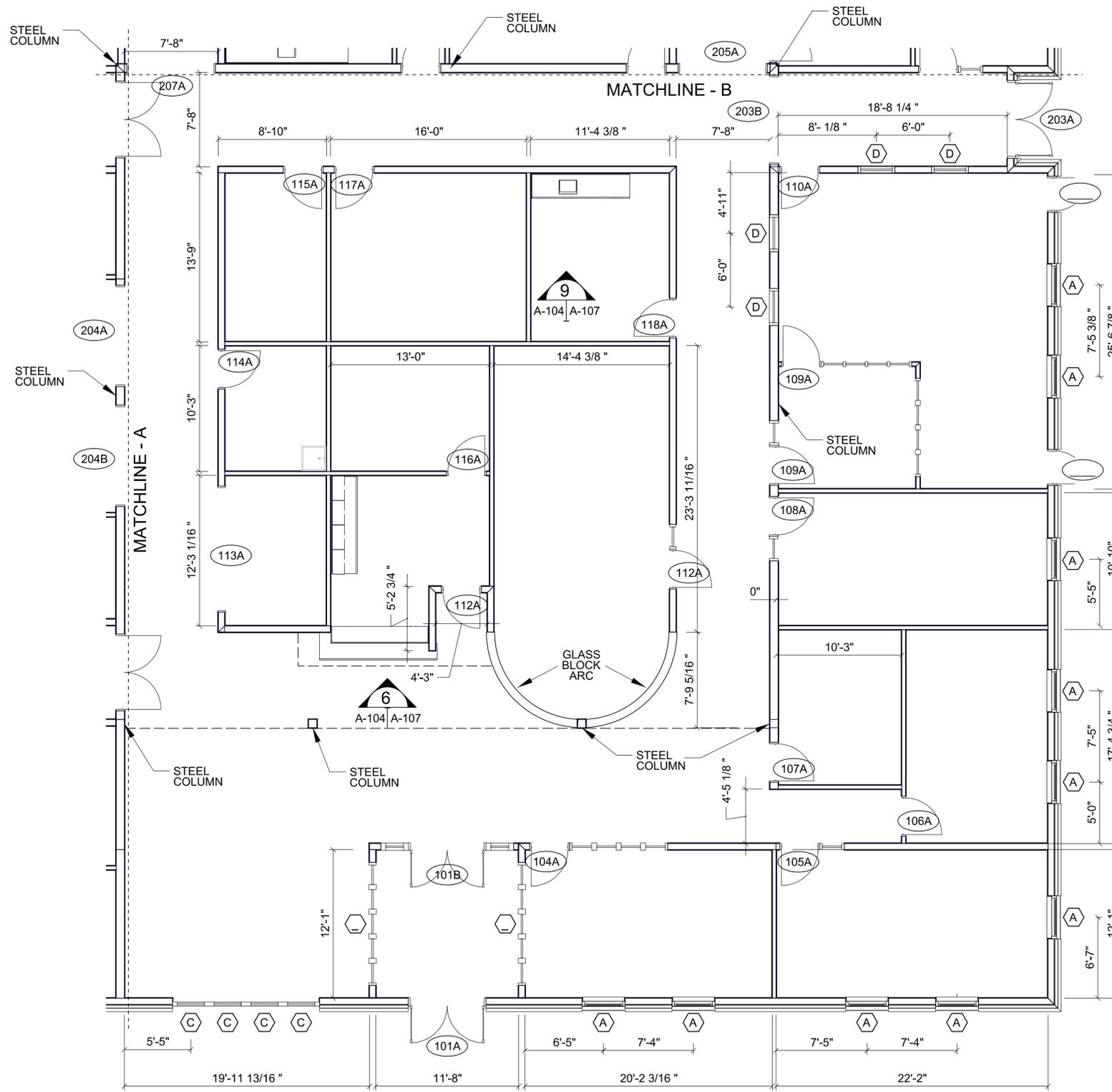
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Project Engineer/Architect	Date:

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ARMY COMMUNITY SERVICE CENTER (ACSC) EXTRA LARGE  
ENLARGED FLOOR PLAN AREA A

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**A-103**  
Sheet \_\_\_ of \_\_\_

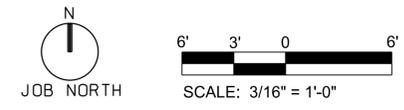
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**GENERAL NOTES**

1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.

**PLAN**  
PARTIAL FLOOR PLAN-AREA "B" SCALE: 3/16" = 1'-0"



No.	Description	Date	Appr.

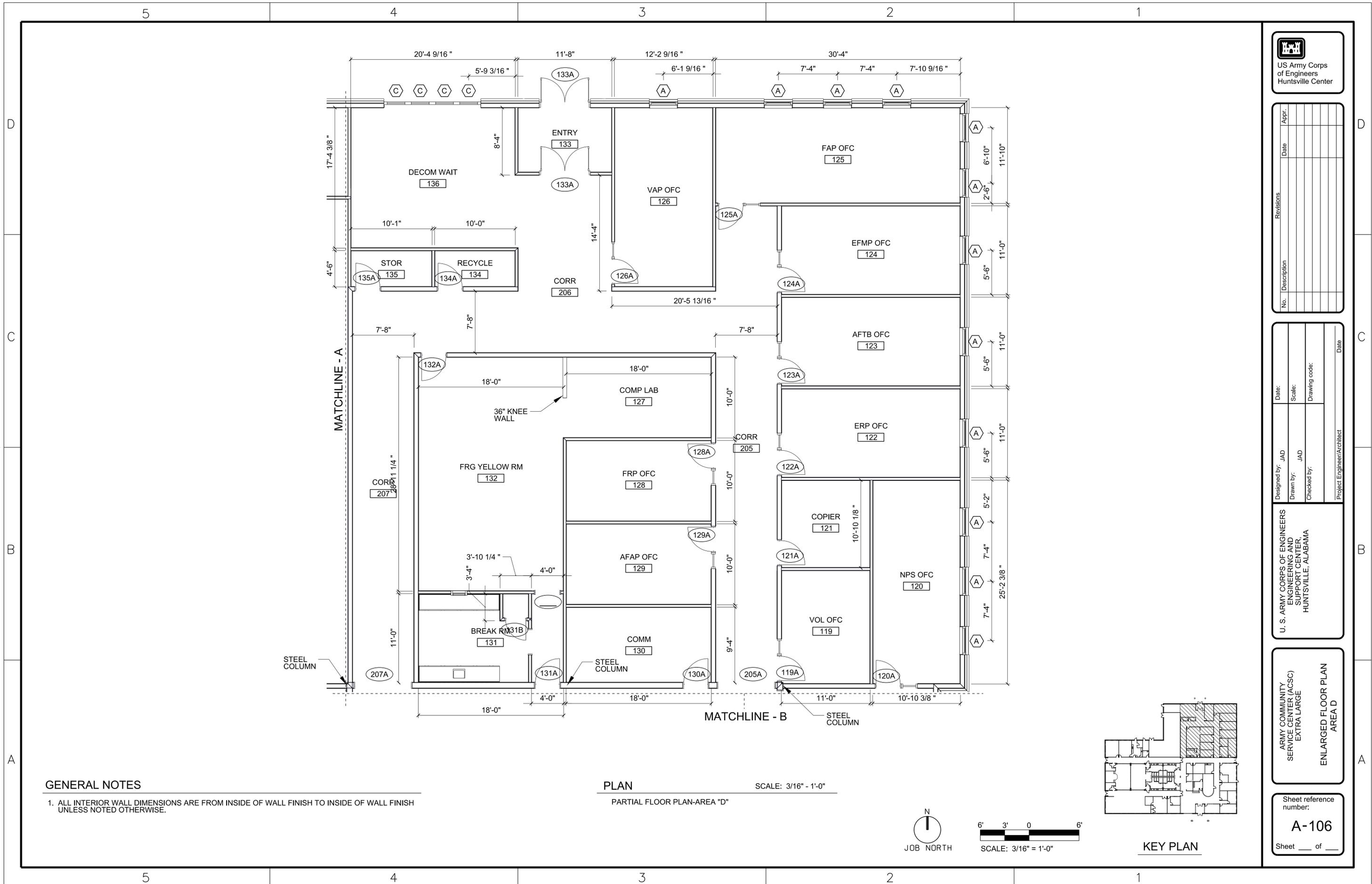
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Project Engineer/Architect	Date

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ARMY COMMUNITY  
SERVICE CENTER (ACSC)  
EXTRA LARGE  
ENLARGED FLOOR PLAN  
AREA B

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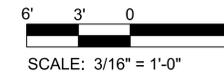
GENERAL NOTES

1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.

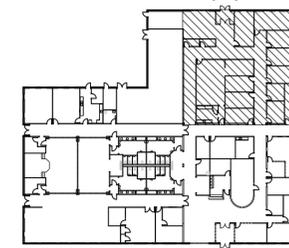
PLAN

SCALE: 3/16" = 1'-0"

PARTIAL FLOOR PLAN-AREA "D"



SCALE: 3/16" = 1'-0"



KEY PLAN



US Army Corps of Engineers  
Huntsville Center

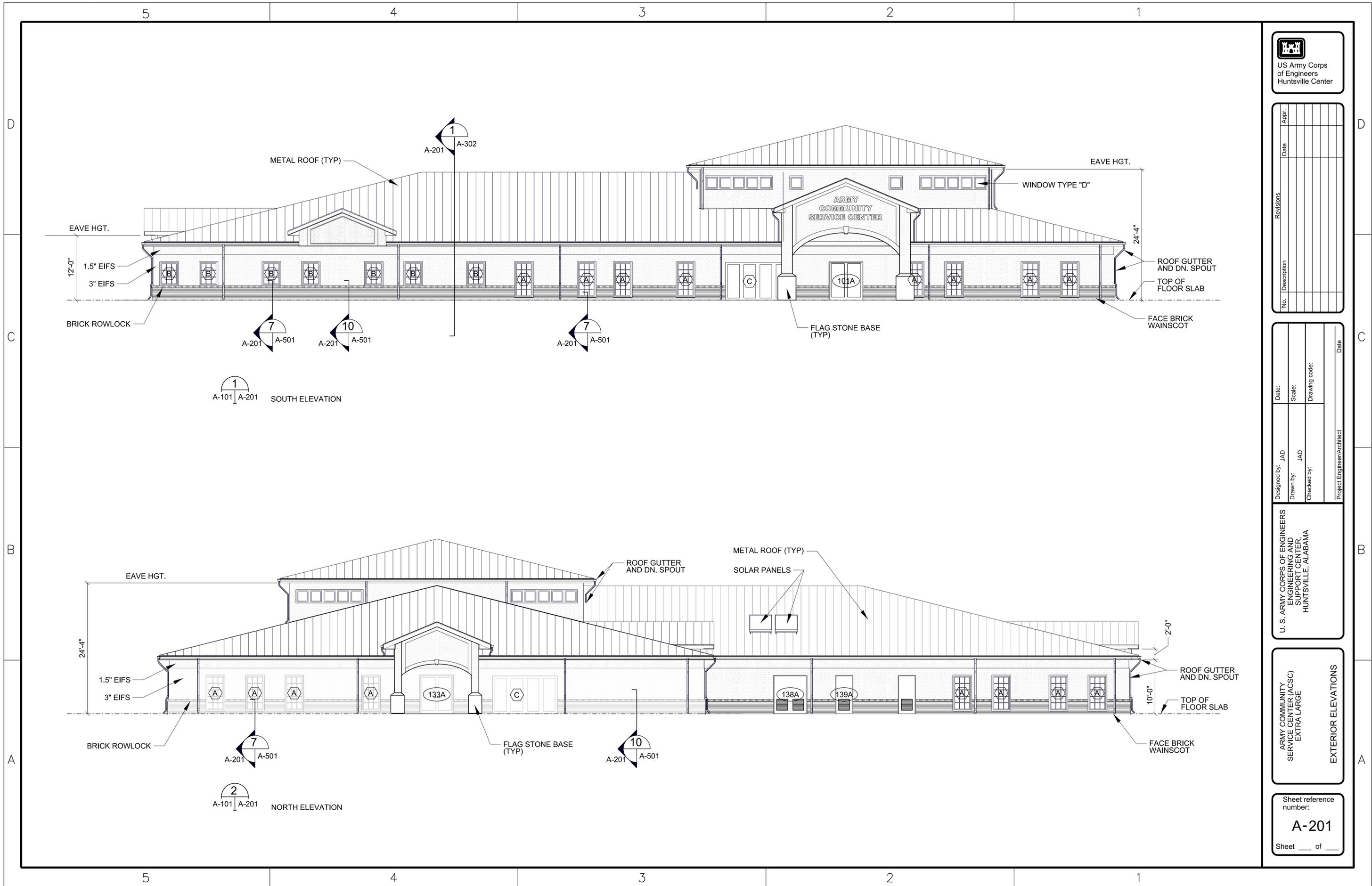
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HUNTSVILLE, ALABAMA

ARMY COMMUNITY SERVICE CENTER (ACSC) EXTRA LARGE  
ENLARGED FLOOR PLAN AREA D

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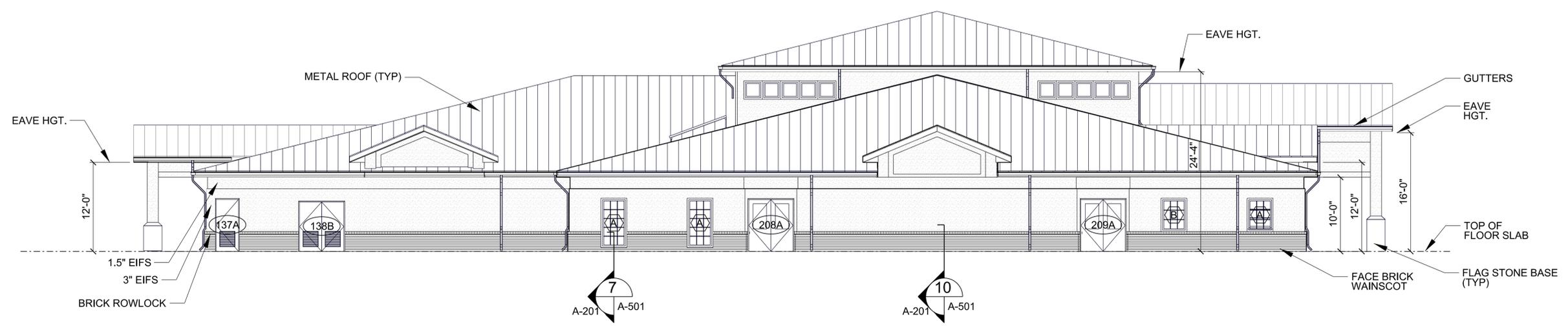
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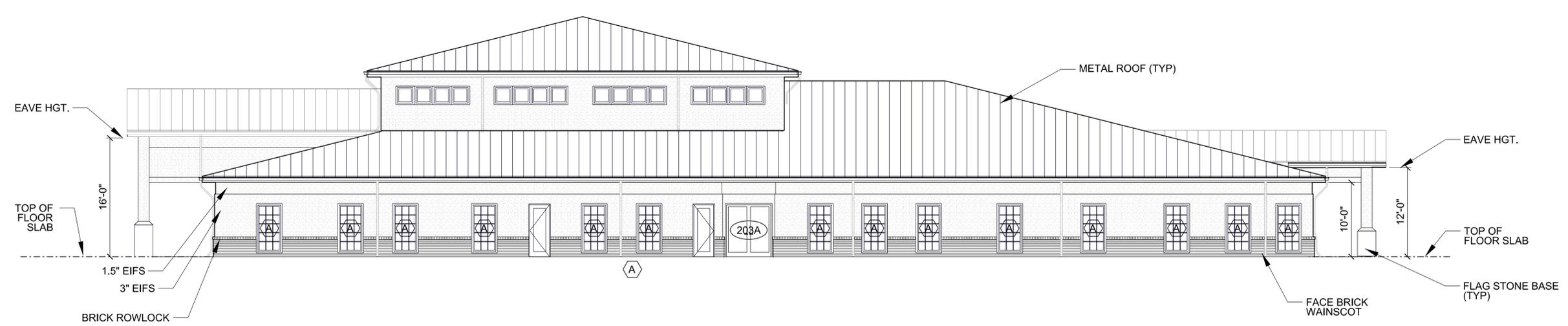
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ARMY COMMUNITY  
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EXTRA LARGE  
EXTERIOR ELEVATIONS

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**A-201**  
Sheet \_\_\_ of \_\_\_



**3 ELEVATION**  
 A-101 A-202 WEST ELEVATION  
 SCALE: 1/8" = 1' 0"



**4 ELEVATION**  
 A-101 A-202 EAST ELEVATION  
 SCALE: 1/8" = 1' 0"



No.	Description	Date	Appr.

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	Project Engineer/Architect	

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SERVICE CENTER