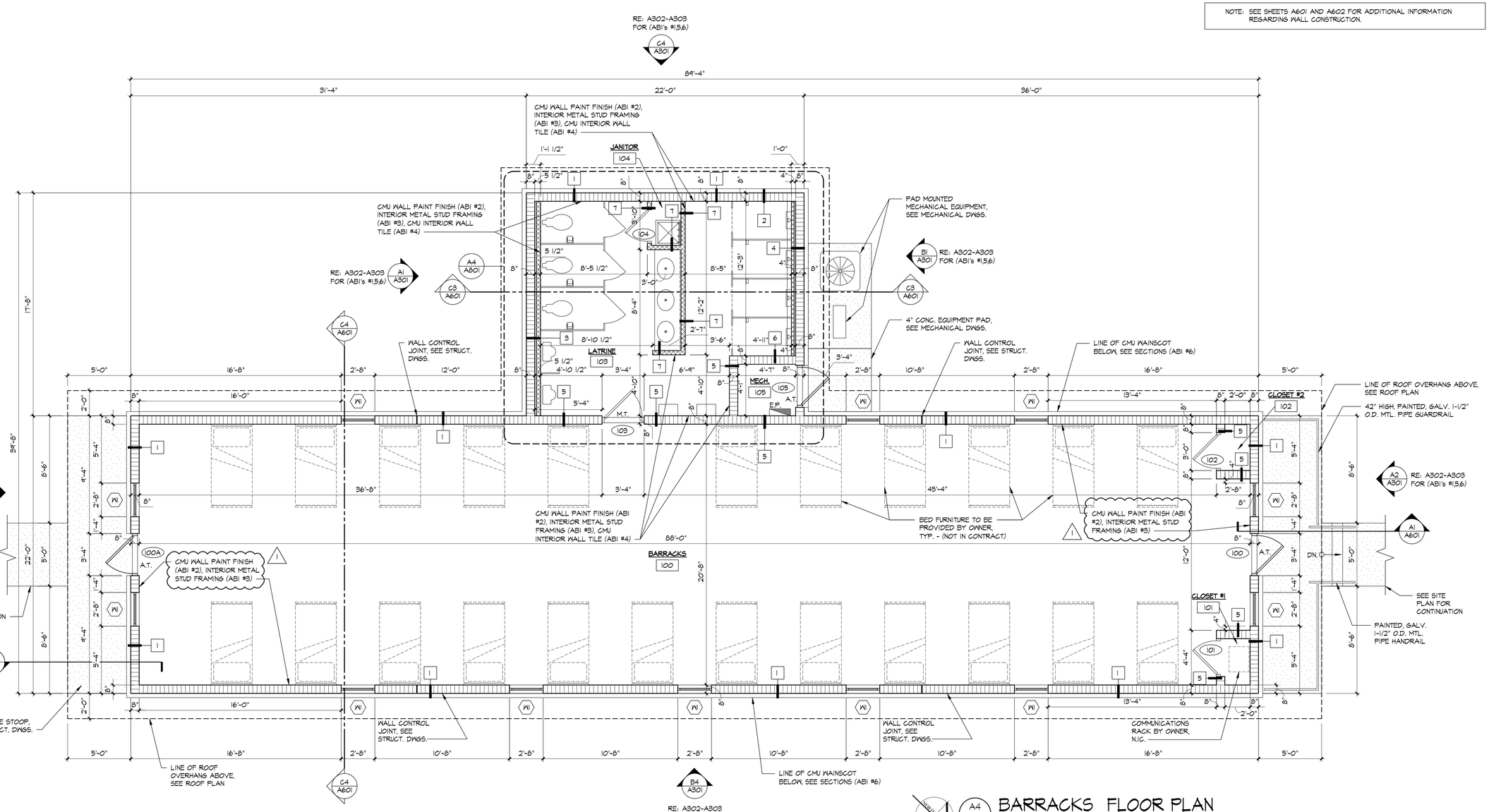
PLAN LEGEND

A.T.	ALUMINUM THRESHOLD, SEE DTL. A4 / SHT. A901
M.T.	MARBLE THRESHOLD, SEE DTL. B4 / SHT. A901
(1)	DOOR TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(1)	WINDOW TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
1	INTERIOR ELEVATION, SEE SHEET A801 FOR ADDITIONAL INFORMATION

WALL TYPES LEGEND:

1	8" CMU WALL (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT- ABI #5 & #6)
2	8" CMU WALL WITH TILE FINISH @ SHOWER STALLS (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT- ABI# #5 & #6)
3	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 4" GALV. FRAMING AT 16" O.C. WITH 5/8" M.R. GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT - ABI# #5 & #6)
4	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 2-1/2" GALV. FRAMING AT 16" O.C. WITH 5/8" GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT - ABI# #5 & #6)
5	8" CMU WALL
6	8" CMU WALL TILE FINISH ON SHOWER SIDE
7	4" 22 GA. METAL STUDS AT 16" O.C. 5/8" M.R. GYPSUM WALL BOARD, TYPICAL

NOTE: SEE SHEETS A601 AND A602 FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION.



A4 A201 BARRACKS FLOOR PLAN

SCALE: 1/4" = 1'-0"

BHIDE & HALL ARCHITECTS, P.A.
1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073 PH: (904) 264-1919 LIC. NO. AA C000369

Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida

CFMO PROJECT NO: 218042

Architect	License No.
BRIAN SAWYER	AR0091953

REVISIONS
1 ADDENDUM #001 06/04/20

PROPOSED FLOOR PLAN

DATE	4-17-2020
D.B.	B.S.S.
C.B.	B.S.S.
JOB NO.	18038

A201

BID SUBMITTAL

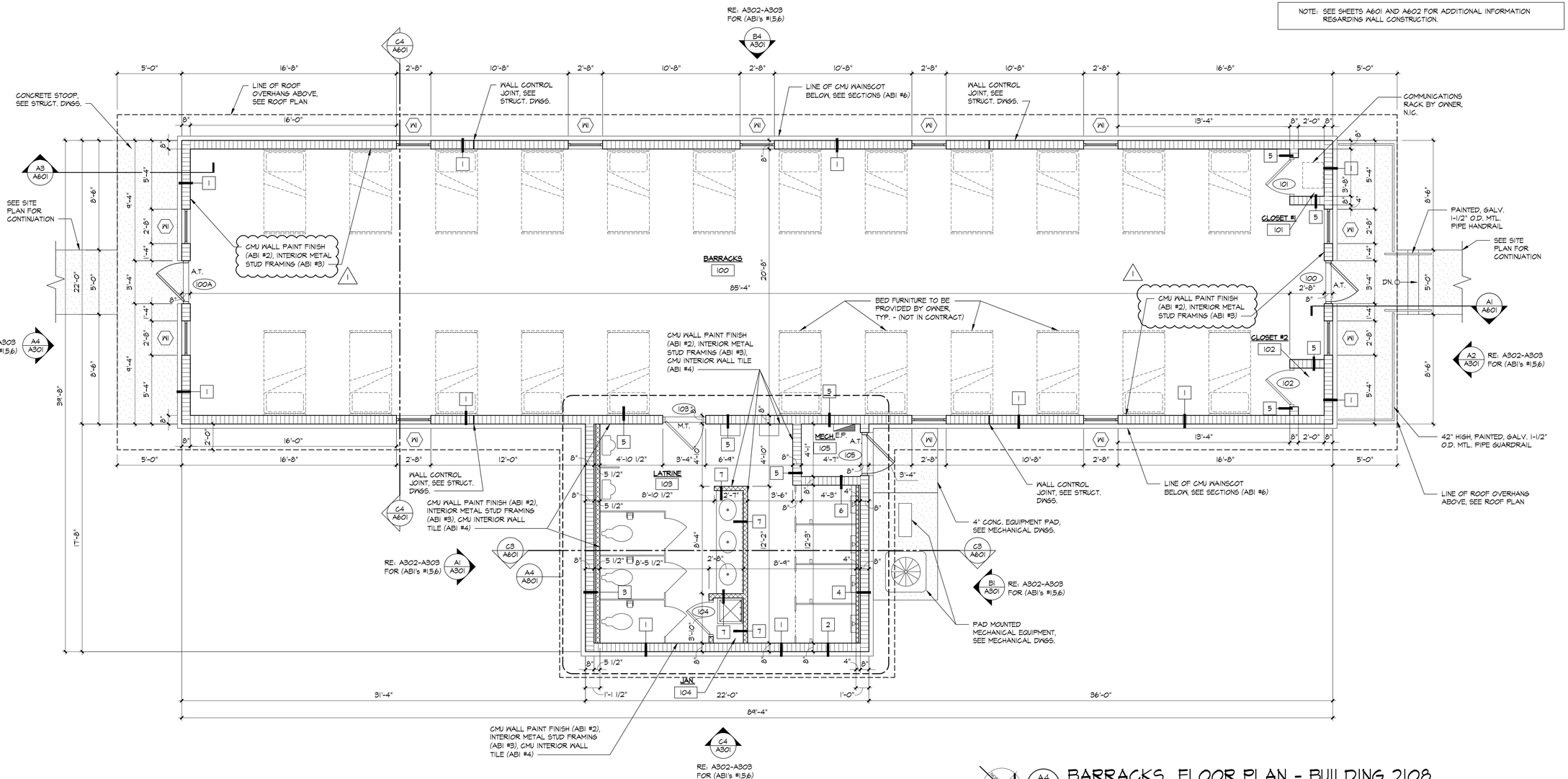
PLAN LEGEND

A.T.	ALUMINUM THRESHOLD, SEE DTL. A4 / SHT. A901
M.T.	MARBLE THRESHOLD, SEE DTL. B4 / SHT. A901
(1)	DOOR TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
(W1)	WINDOW TAG / TYPE, SEE SHEET A901 FOR ADDITIONAL INFORMATION
1	INTERIOR ELEVATION, SEE SHEET A801 FOR ADDITIONAL INFORMATION

WALL TYPES LEGEND:

1	8" CMU WALL (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT- ABI #5 & #6)
2	8" CMU WALL WITH TILE FINISH @ SHOWER STALLS (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT- ABI# #5 & #6)
3	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 4" GALV. FRAMING AT 16" O.C. WITH 5/8" M.R. GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT - ABI# #5 & #6)
4	8" CMU WALL WITH 1-1/2" RIGID INSULATION, 2-1/2" GALV. FRAMING AT 16" O.C. WITH 5/8" GYPSUM WALL BOARD INTERIOR FINISH (3/4" STUCCO EXTERIOR FINISH WITH SPLIT-FACE CMU WAINSCOT - ABI# #5 & #6)
5	8" CMU WALL
6	8" CMU WALL TILE FINISH ON SHOWER SIDE
7	4" 22 GA. METAL STUDS AT 16" O.C. 5/8" M.R. GYPSUM WALL BOARD, TYPICAL

NOTE: SEE SHEETS A601 AND A602 FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION.



A4 A202 BARRACKS FLOOR PLAN - BUILDING 2108

SCALE: 1/4" = 1'-0"

BHIDE & HALL ARCHITECTS, P.A.
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Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida
CFMO PROJECT NO: 21804Z

Architect	License No.
BRIAN SAWYER	AR0091953

REVISIONS
△1 ADDENDUM #001 06/04/20

PROPOSED FLOOR PLAN BUILDING 2108

DATE	4-17-2020
D.B.	B.S.S.
C.B.	B.S.S.
JOB NO.	18038

A202

BID SUBMITTAL

SECTION 10 31 00

EXTERIOR SIGNAGE

1. GENERAL:

1.1 Related Documents: The requirements of all Sections of Division 1 are hereby made a part of this Section as if fully repeated herein.

1.2 Quality Assurance: For each sign form a graphic image process. Furnish products of a single manufacturer.

1.3 Submittals:

1.3.1 Shop Drawings: Submit shop drawings for fabrication and erection of specialty signs. Include plans, elevations, and large scale details of signs wording and lettering layout. Show anchorages and accessory items. Furnish location template drawings for items supported or anchored to permanent construction.

1.3.2 Production Data: Submit manufacturer's technical data and installation instructions for each type of sign required.

1.3.3 Samples: Submit samples of each sign form and material showing finishes, colors, surface textures, and qualities of manufacturer and design of each sign component including graphics.

1.4 Wind Load Requirements:

1.4.1 Exterior signage must be designed to withstand 129 mph wind load.

2. PRODUCTS:

2.1 Sign Types: A building number sign shall be provided at the exterior of all buildings, in locations as indicated on Drawings. Final location of all signage to be approved by Owner.

Sign Length: As required;
Sign Height: 9";
Letter Font: Helvetica medium;
Letter Height: 6".

Building Number Sign Example:

2.2 Construction:

2.2.1 Panels: Panels to be fabricated from a minimum of 0.125” aluminum. All edges to be smooth and free of burrs.

2.2.2. Finishes: Metal panel system finish to be baked enamel or two-component acrylic polyurethane. Finish shall have a total dry film thickness of not less than 1.2 mils. Color to be Duranodic Bronze or as selected by Owner.

2.2.3 Lettering/Graphics: Pressure sensitive precision cut vinyl letters with reflecting surface must be provided. Vinyl sheeting must be 5 to 7-year premium type and must be a minimum 0.003-inch film thickness. Film must include a precoated pressure sensitive adhesive backing, Class 1, or positionable pressure sensitive adhesive backing, Class 3. Color to be White.

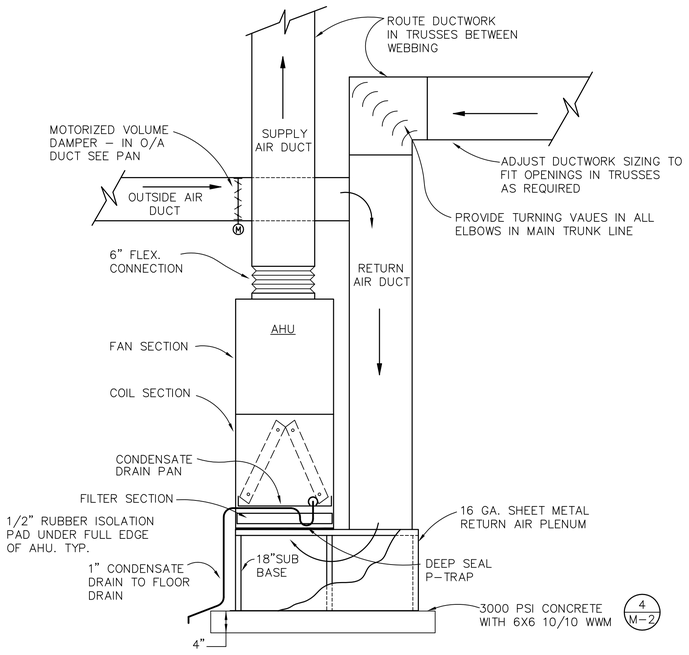
2.2.4 Fasteners: Use stainless steel screw fasteners that are non-corrosive to both the sign material and the mounting surface. Anchorage of screws shall be compatible with wall construction and/or substrate to meet wind load requirements.

3. EXECUTION:

3.1 Installation: Locate sign units and accessories as directed by Architect and/or Owner using mounting method and type described and compliance with the manufacturers' instructions. Install sign units level, plumb and at the height directed with sign surfaces free from distortion or other defects in appearance.

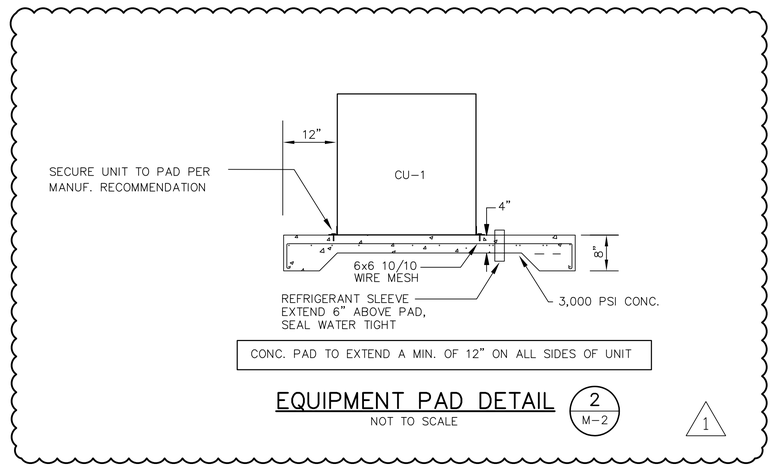
3.2 Cleaning and Protection: At completion of the installation, clean soiled sign surfaces in accordance with the manufacturer’s instructions. Protect units for damage until acceptance by the Owner.

END OF SECTION



TYPICAL AHU DETAIL (1 / M-2)

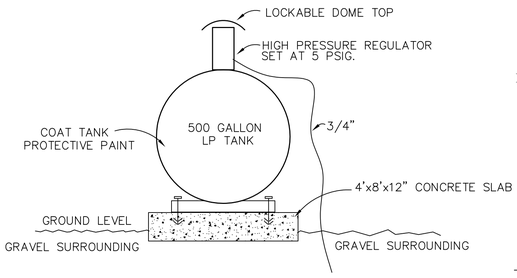
NOT TO SCALE



EQUIPMENT PAD DETAIL (2 / M-2)

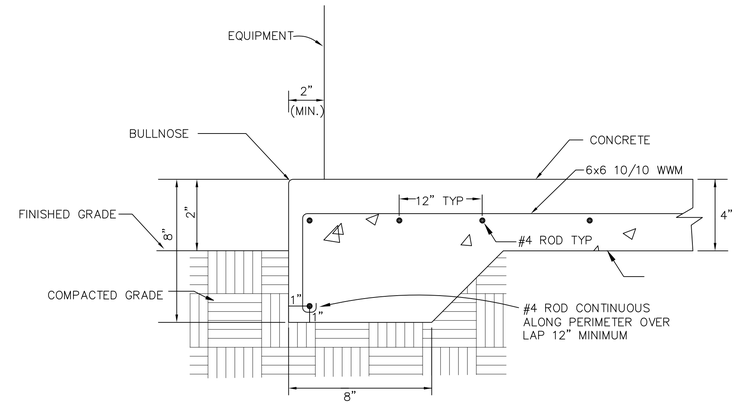
NOT TO SCALE

1



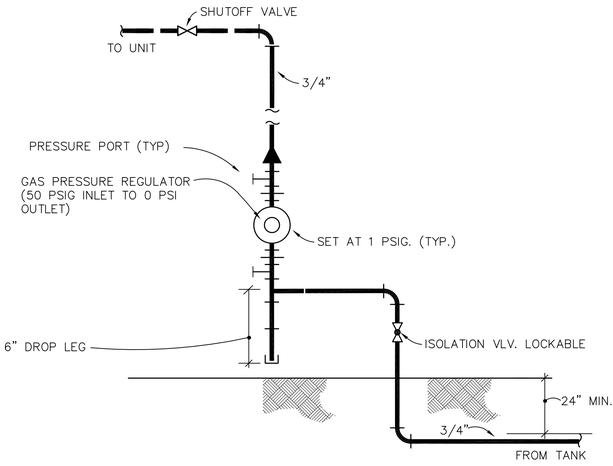
L.P. TANK INSTALLATION DETAIL (3 / M-2)

NOT TO SCALE



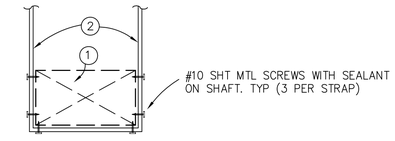
EQUIPMENT PAD DETAIL (4 / M-2)

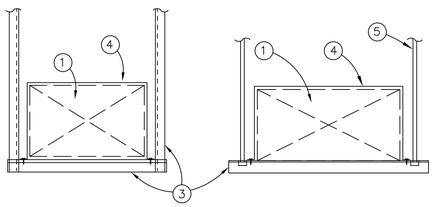
NOT TO SCALE



TYPICAL GAS SERVICE ENTRANCE (5 / M-2)

NOT TO SCALE



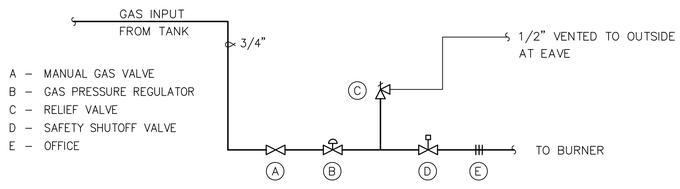


1. DUCT
2. SHEET METAL STRAP 1–1/2" WIDE OF TWO GAUGES GREATER THAN METAL GAUGE AS DUCT
3. ANGLE – NOT LESS THAN 1¼" X 1¼" X 3/16" SIZE MATCH DUCT
4. SHEET METAL BAND 1–1/2" WIDE OF GREATER METAL GAUGE AS DUCT
5. ALL–THREAD HANGER ROD WITH ACCESSORIES AS USED FOR LIGHT PIPE HANGER

REFER TO SMACNA STANDARD FOR REQUIRED HANGER SPACING AND LOCATIONS

SHEET METAL DUCT HANGERS DETAIL (6 / M-2)

NOT TO SCALE



FURNACE GAS TRAIN DIAGRAM (7 / M-2)

NOT TO SCALE

BHIDE & HALL ARCHITECTS, P.A.
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M.V. CUMMINGS ENGINEERS, INC. CONSULTING ENGINEERS
6501 ARLINGTON EXPRESSWAY, SUITE B-211 JACKSONVILLE, FLORIDA 32211
TELEPHONE (904) 724-0060 CERT. NO. EB-3465

Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida

CFMO PROJECT NO: 218042

Engineer	License No.
Wayne C. Kelly	18451

REVISIONS		
1	REVIEW COMMENTS	4/29/20

MECHANICAL DETAILS

DATE	4-17-2020
D.B.	REM
C.B.	WCK
JOB NO.	18038

M-2

BID SUBMITTAL

PANEL "A"

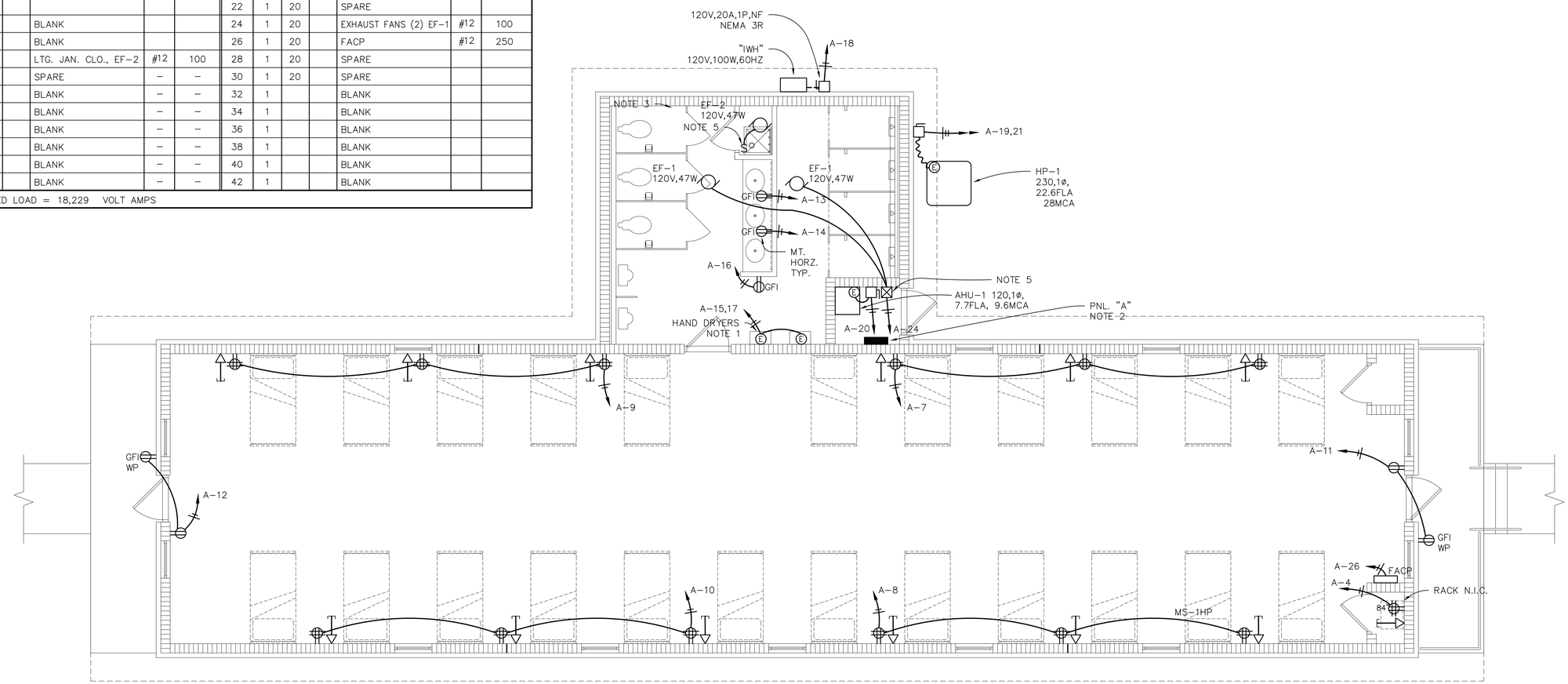
120/240V, 1ø, 3W, SN
200A MLO, 42,000 AIC

1 PANEL SHALL BE SQUARE D TYPE QOB, NO SUBSTITUTIONS

SURFACE MOUNTED BOLT-ON BREAKERS

CKT. NO.	POLE	TRIP	TYPE	REMARKS	WIRE SIZE	VOLT AMP		POLE	TRIP	TYPE	REMARKS	WIRE SIZE	VOLT AMP
1	1	20	AFI	LTG. LATRINE	#12	551	2	1	20	AFI	LTG. BUNK ROOMS	#12	1640
3	1	20		LTG. PORCHES	#12	280	4	1	20	AFI	RECPT. IT RACK	#12	180
5	1	20	AFI	SPARE			6	1	20	AFI	SPARE		
7	1	20	AFI	RECPTS. BUNK ROOM	#12	1080	8	1	20	AFI	RECPTS. BUNK ROOM	#12	1080
9	1	20	AFI	RECPTS. BUNK ROOM	#12	1080	10	1	20	AFI	RECPTS. BUNK ROOM	#12	1080
11	1	20	AFI	RECPTS. NORTH END	#12	360	12	1	20	AFI	RECPTS. SOUTH END	#12	360
13	1	20		RECPT. LATRINE	#12	1200	14	1	20		RECPT. LATRINE	#12	1200
15	1	20	GFI	HAND DRYER	#12	530	16	1	20		RECPT. LATRINE	#12	180
17	1	20	GFI	HAND DRYER	#12	530	18	1	20		IWH	#12	100
19	2	40		CU-1	#10	5424	20	1	15		AHU-1	#12	924
21							22	1	20		SPARE		
23	1			BLANK			24	1	20		EXHAUST FANS (2) EF-1	#12	100
25	1			BLANK			26	1	20		FACP	#12	250
27	1	20		LTG. JAN. CLO., EF-2	#12	100	28	1	20		SPARE		
29	1	20		SPARE	–	–	30	1	20		SPARE		
31	1			BLANK	–	–	32	1			BLANK		
33	1			BLANK	–	–	34	1			BLANK		
35	1			BLANK	–	–	36	1			BLANK		
37	1			BLANK	–	–	38	1			BLANK		
39	1			BLANK	–	–	40	1			BLANK		
41	1			BLANK	–	–	42	1			BLANK		

TOTAL CONNECTED LOAD = 18,229 VOLT AMPS



NOTES:

1. PROVIDE HAND DRYER, 120V, 4.5A, 530W EACH. XLERATOR MODEL XL-GR-ECO-120V, OR APPROVED EQUAL.
2. PANEL "A", 120/240V, 1ø,3W,SN,200A MCB.
3. MOTOR CONTACTOR, 120V, 20A, 2 POLE, 24 VOLT COIL. TO BE CONTROLLED BY AHU THERMOSTAT.
4. PROVIDE NEW DUAL TECHNOLOGY, DUAL RELAY, DUAL CIRCUIT OCCUPANCY SENSOR SWITCH AND CONNECT LIGHTING AND EXHAUST FAN LOADS.
5. PROVIDE 120V, MAGNETIC MOTOR CONTROLLER WITH HAND-OFF-AUTO SWITCH TO CONNECT EXHAUST FANS EF-1. INTERLOCK CONTROLLER WITH ROOM LIGHTING CONTROLLER TO OPERATE FANS WHEN EVER ROOM IS OCCUPIED.

BARRACKS FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

12" 0' 5' 10'

SCALE: 1/4"=1'-0"

BHIDE & HALL ARCHITECTS, P.A.
1329 KINGSLEY AVENUE, SUITE C ORANGE PARK, FLORIDA 32073 PH: (904) 264-1919 LIC. NO. AA0000869

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Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida

CFMO PROJECT NO: 218042

Engineer	License No.
Larry M. Carney	FL 33624

REVISIONS
1 ADDENDUM #001 06/10/20

POWER PLAN

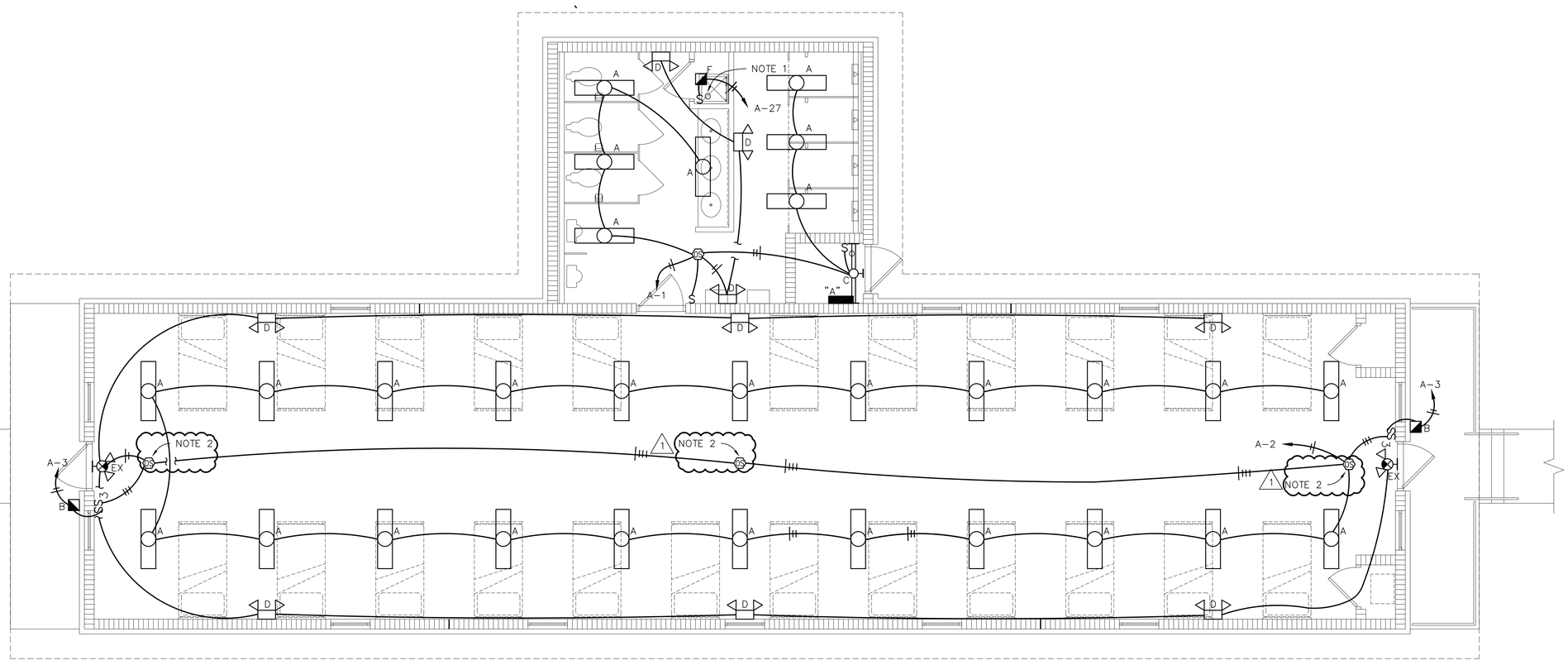
DATE	4-17-2020
D.B.	MVCE
C.B.	LMC
JOB NO.	18038

E-2

BID SUBMITTAL

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CAT. NO.	LAMP	MOUNTING	VOLTS/WATTS	REMARKS
A	METALUX	4WNLED-LD4-50SL-F-UNV-L835-CD1-U	LED	CEILING SURFACE	120/43	
B	MCGRAW EDISON	1ST-AF-450-LED-E1-T3-BZ-MS/DIM-L20	LED	WALL	120/25	
C	METALUX	4SNLED-LD5-64SL-UNV-L840-CD1-U 1WG-SNF-4FT-B	LED	SURFACE	120/52	
D	EMERGI-LITE	EL-2LED	LED	WALL/CEILING	120/5	2 LAMP LED EMERG FIXTURE W/BATTERY
EX	EMERGI-LITE	ELXN400R-2SQLR	LED	WALL/CEILING	120/5	COMBO EMERG./EXIT W /BATTERY
F	FAIL SAFE	FW-LD2-1212-2000-40-UNV-CP-R4-EDD1-LGW	LED	WALL/CEILING	120/22	



NOTES:

1. PROVIDE NEW DUAL TECHNOLOGY, DUAL RELAY, DUAL CIRCUIT OCCUPANCY SENSOR SWITCH AND CONNECT LIGHTING AND EXHAUST FAN LOADS.
2. PROGRAM OCCUPANCY SENSOR FOR MANUAL ON/AUTOMATIC OFF OPERATION SUCH THAT LIGHT SWITCH OPERATION WILL ALWAYS BE REQUIRED TO TURN LIGHTS ON.

BARRACKS FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

12" 0' 5' 10'

SCALE: 1/4"=1'-0"

BHIDE & HALL ARCHITECTS, P.A.
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Renovations to 2100 Area Barracks
Camp Blanding Joint Training Center
Starke, Florida

CFMO PROJECT NO: 218042

Engineer	License No.
Larry M. Carney	FL 33624

REVISIONS
A ADDENDUM #001 06/10/20

LIGHTING PLAN

DATE	4-17-2020
D.B.	MVCE
C.B.	LMC
JOB NO.	18038

E-3

BID SUBMITTAL

SECTION 26 24 16

PANELBOARDS

PART 1 GENERAL

1.01 WORK INCLUDED

A. Distribution panelboards.

B. Lighting and appliance branch circuit panelboards.

1.02 REFERENCES

A. NEMA AB 1 - Molded Case Circuit Breakers.

B. NEMA PB 1 - Panelboards.

C. NEMA PB 1.1 - Instructions for Safe Installation, Operation and Maintenance of Panelboards Rated 600 Volts or Less.

D. NEMA PB 1.2 - Application Guide for Ground-fault Protective Devices for Equipment.

1.03 SUBMITTALS

A. Submit shop drawings and product data for equipment and component devices under provisions of Section 26 03 05.

B. Include outline and support point dimensions, voltage, main bus ampacity, integrated short circuit ampere rating, circuit breaker and fusible switch arrangement and sizes.

1.04 SPARE PARTS

A. Keys: Furnish 2 each to Owner, for each cabinet lock installed.

PART 2 PRODUCTS

2.01 MANUFACTURERS:

A. Square D By Schneider Electric.

B. Substitutions: Not permitted.

2.02 MAIN DISTRIBUTION PANELBOARDS AND PANELBOARDS FOR AIR CONDITIONING EQUIPMENT:

A. Panelboards: NEMA PB 1; circuit breaker type.

B. Enclosure: NEMA PB 1; Type 1. Cabinet size: 6 inches deep; 20 inches wide and NEMA type 3R for outdoor installation.

C. Provide cabinet front with hinged interior cover and hinged door with flush lock. Finish in manufacturer's standard gray enamel.

D. Provide panelboards with copper bus, ratings as scheduled on Drawings. Provide copper ground bus in all panel boards.

E. Maximum panelboard ampacity shall be 800 amperes. Switchboard construction shall be used for equipment 1000 amperes and larger.

F. Minimum Integrated Short Circuit Rating: 22,000 amperes rms symmetrical for 208 volt. Select panelboards rated to meet maximum rms amperes symmetrical as required by the utility company service requirements.

G. Molded Case Circuit Breakers: NEMA AB 1 provide circuit breakers with integral thermal and instantaneous magnetic trip in each pole. Provide circuit breakers UL listed as Type HACR for air conditioning equipment branch circuits.

2.03 BRANCH CIRCUIT PANELBOARDS

A. Lighting and Branch Circuit Panelboards: NEMA PB1; circuit breaker type.

B. Enclosure: NEMA PB 1; Type 1 indoor, NEMA 3R outdoor.

C. Cabinet Size: 6 inches deep; 20 inches wide.

D. Provide flush or surface as cabinet front as indicated with hinged interior cover concealed trim clamps, concealed hinge and flush lock all keyed alike. Finish in manufacturer's standard gray enamel.

E. Provide panelboards with copper bus, ratings as scheduled on Drawings. Provide copper ground bus in all panelboards.

F. Minimum Integrated Short Circuit Rating: 10,000 amperes rms symmetrical for 208 volt panelboards.

G. Molded Case Circuit Breakers: NEMA AB 1; ***snap-in or*** bolt-on type thermal magnetic trip circuit breakers, with common trip handle for all poles. Provide circuit breakers UL listed as Type SWD for lighting circuits. Provide UL Class A ground fault interrupter circuit breakers for circuits indicated on Drawings.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install panelboards plumb and flush with wall finishes, in conformance with NEMA PB 1.1.

B. Height: 6 ft.

C. Provide filler plates for unused spaces in panelboards.

D. Provide typed circuit directory for each branch circuit panelboard. Revise directory to reflect circuiting changes required to balance phase loads.

E. Stub 5 empty one inch conduits to accessible location above ceiling out of each recessed panelboard.

3.02 FIELD QUALITY CONTROL

A. Measure steady state load currents at each panelboard feeder. Should the difference at any panelboard between phases exceed 20 percent, rearrange circuits in the panelboard to balance the phase loads within 20 percent. Take care to maintain proper phasing for multi-wire branch circuits.

B. Visual and Mechanical Inspection: Inspect for physical damage, proper alignment, anchorage, and grounding. Check proper installation and tightness of connections for circuit breakers, fusible switches, and fuses.

3.03 PANELBOARD SCHEDULE

A. Panelboards shall be as scheduled on the Drawings.

3.04 SURGE SUPPRESSION

A. Provide transient voltage surge suppression protection according to Section 26 35 55, "Transient Voltage Surge Suppression" on all new panelboards.

END OF SECTION