

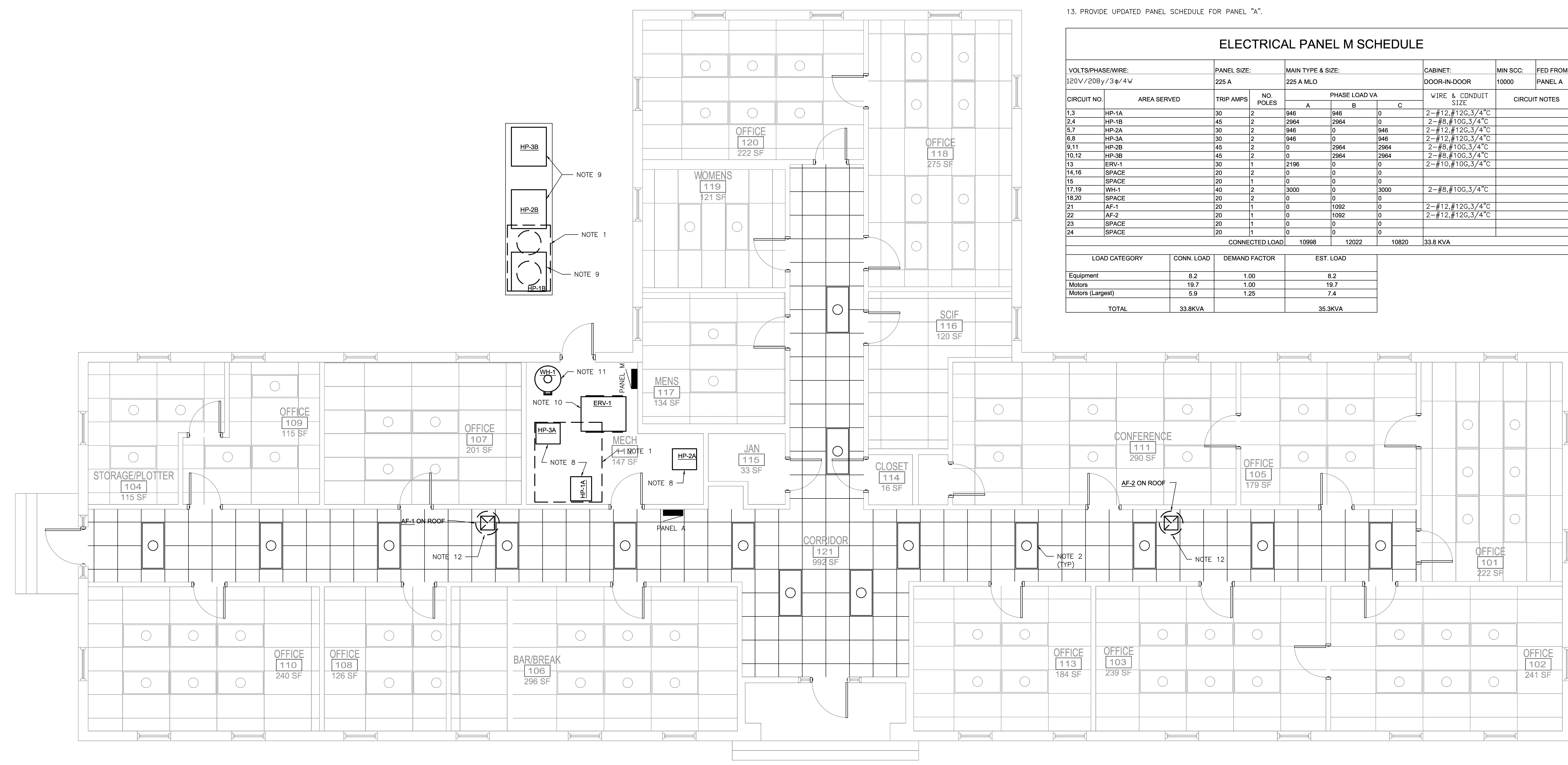
SYM.	PREP'D BY	DATE	APPROVED

NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- CONNECT TO NEW 30A, 3 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".

ELECTRICAL PANEL M SCHEDULE

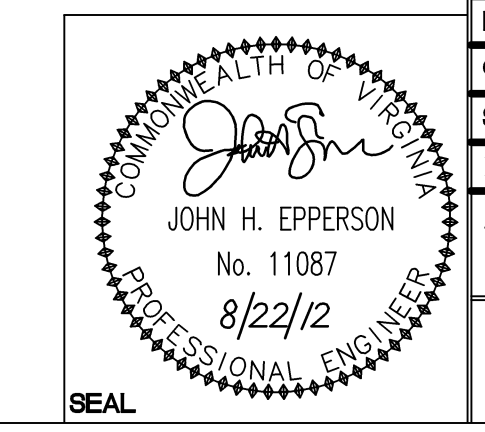
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:	MIN SCC:	FED FROM:
120V/208y/3ø/4W		225 A		225 A MLO			DOOR-IN-DOOR	10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES	
				A	B	C			
1,3	HP-1A	30	2	946	946	0	2-#12,#12G,3/4"C		
2,4	HP-1B	45	2	2964	2964	0	2-#8,#10G,3/4"C		
5,7	HP-2A	30	2	946	0	946	2-#12,#12G,3/4"C		
6,8	HP-3A	30	2	946	0	946	2-#12,#12G,3/4"C		
9,11	HP-2B	45	2	0	2964	2964	2-#8,#10G,3/4"C		
10,12	HP-3B	45	2	0	2964	2964	2-#8,#10G,3/4"C		
13	ERV-1	30	1	2196	0	0	2-#10,#10G,3/4"C		
14,16	SPACE	20	2	0	0	0			
15	SPACE	20	1	0	0	0			
17,19	WH-1	40	2	3000	0	3000	2-#8,#10G,3/4"C		
18,20	SPACE	20	2	0	0	0			
21	AF-1	20	1	0	1092	0	2-#12,#12G,3/4"C		
22	AF-2	20	1	0	1092	0	2-#12,#12G,3/4"C		
23	SPACE	20	1	0	0	0			
24	SPACE	20	1	0	0	0			
CONNECTED LOAD				10998	12022	10820	33.8 KVA		
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD						
Equipment	8.2	1.00	8.2						
Motors	19.7	1.00	19.7						
Motors (Largest)	5.9	1.25	7.4						
TOTAL	33.8KVA		35.3KVA						



BUILDING 214 ELECTRICAL PLAN
1/4"=1'-0"

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:
(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
(b) The information is otherwise in the public domain before the date of release.
(c) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
(d) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.

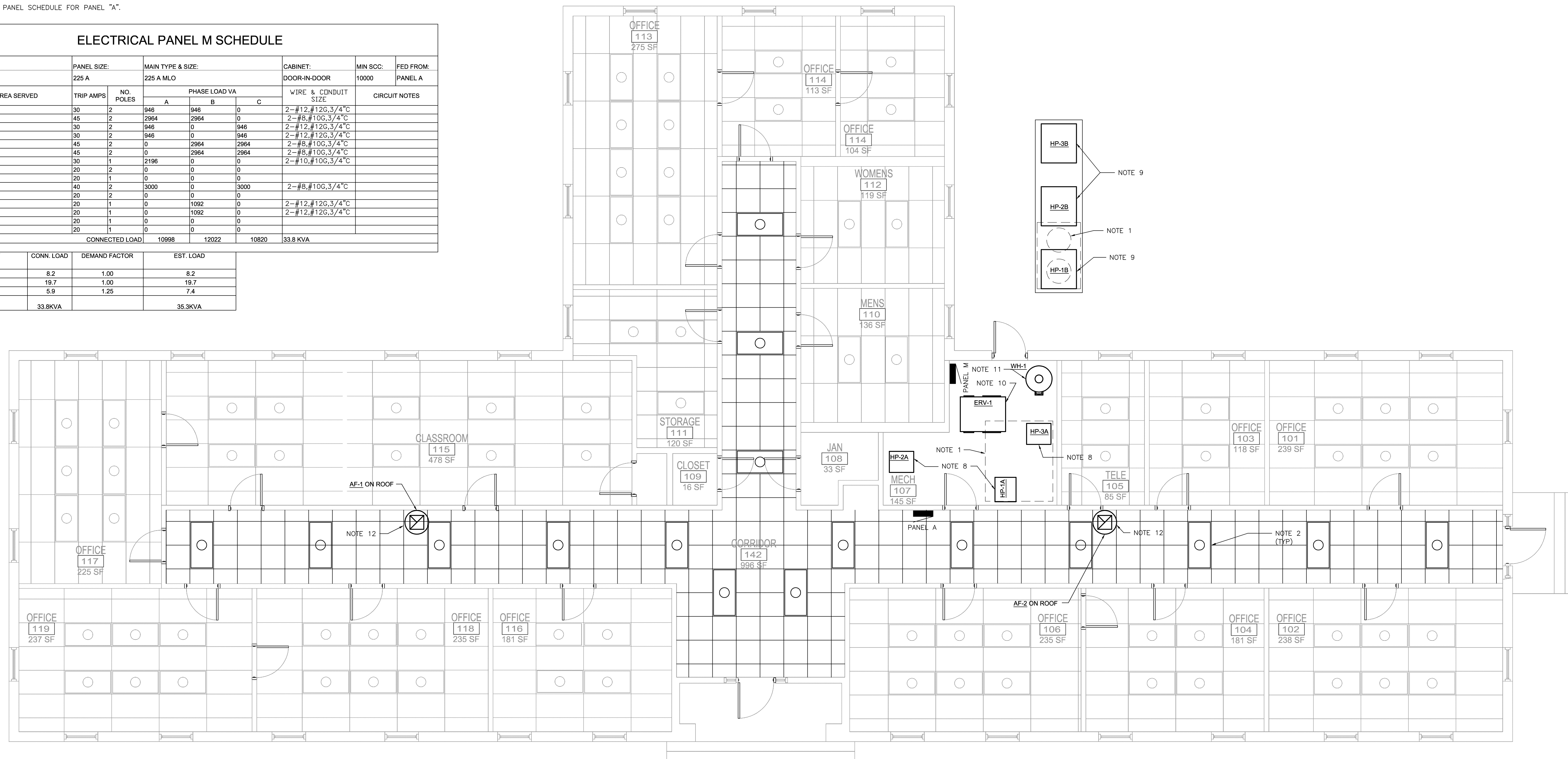


WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-104 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 214 ELECTRICAL PLAN	
SUBMITTED BY: DESIGN DR.		NAVFAC DRAWING NO. 60011413	
APPROVED PWO OR OICC DATE		SIZE E	
SATISFACTORY TO DATE		CODE IDENT NO. 80091	
SCALE: AS SHOWN		CONSTR CONTR NO. N40085-12-B-0091	
SPEC No. 05-12-0091		SHEET 69 OF 84	

NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M"
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".

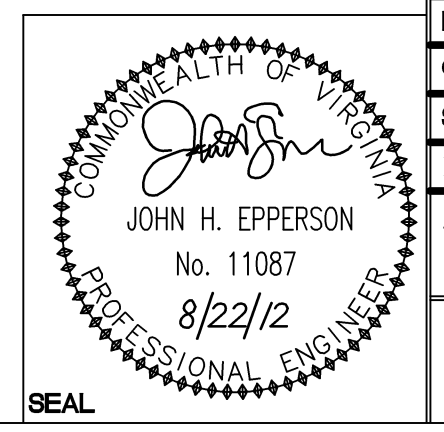
ELECTRICAL PANEL M SCHEDULE										
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:		MIN SCC:	FED FROM:
120V/208y/3ø/4W		225 A		225 A MLO			DOOR-IN-DOOR		10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES		
				A	B	C				
1,3	HP-1A	30	2	946	946	0	2-#12, #12G, 3/4" C			
2,4	HP-1B	45	2	2964	2964	0	2-#8, #10G, 3/4" C			
5,7	HP-2A	30	2	946	0	946	2-#12, #12G, 3/4" C			
6,8	HP-3A	30	2	946	0	946	2-#12, #12G, 3/4" C			
9,11	HP-2B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
10,12	HP-3B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
13	ERV-1	30	1	2198	0	0	2-#10, #10G, 3/4" C			
14,16	SPACE	20	2	0	0	0				
15	SPACE	20	1	0	0	0				
17,19	WH-1	40	2	3000	0	3000	2-#8, #10G, 3/4" C			
18,20	SPACE	20	2	0	0	0				
21	AF-1	20	1	0	1092	0	2-#12, #12G, 3/4" C			
22	AF-2	20	1	0	1092	0	2-#12, #12G, 3/4" C			
23	SPACE	20	1	0	0	0				
24	SPACE	20	1	0	0	0				
CONNECTED LOAD				10998	12022	10820	33.8 KVA			
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD							
Equipment	8.2	1.00	8.2							
Motors	19.7	1.00	19.7							
Motors (Largest)	5.9	1.25	7.4							
TOTAL	33.8KVA		35.3KVA							



BUILDING 216 ELECTRICAL PLAN
1/4"=1'-0" 0 2 4 8

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:
(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
(b) The information is otherwise in the public domain before the date of release.
(c) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
(d) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-105 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES.	BWY	HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 216 ELECTRICAL PLAN	
DR.	BWY		
CHK.	JHE		
SUBMITTED BY:			
DESIGN DR.			
APPROVED PWO OR OIC	DATE	SIZE	CODE IDENT NO.
		E	80091
SATISFACTORY TO	DATE	CONSTR CONTR NO.	NAVFAC DRAWING NO.
		N40085-12-B-0091	60011414
SCALE: AS SHOWN	SPEC No.	05-12-0091	SHEET 70 OF 84

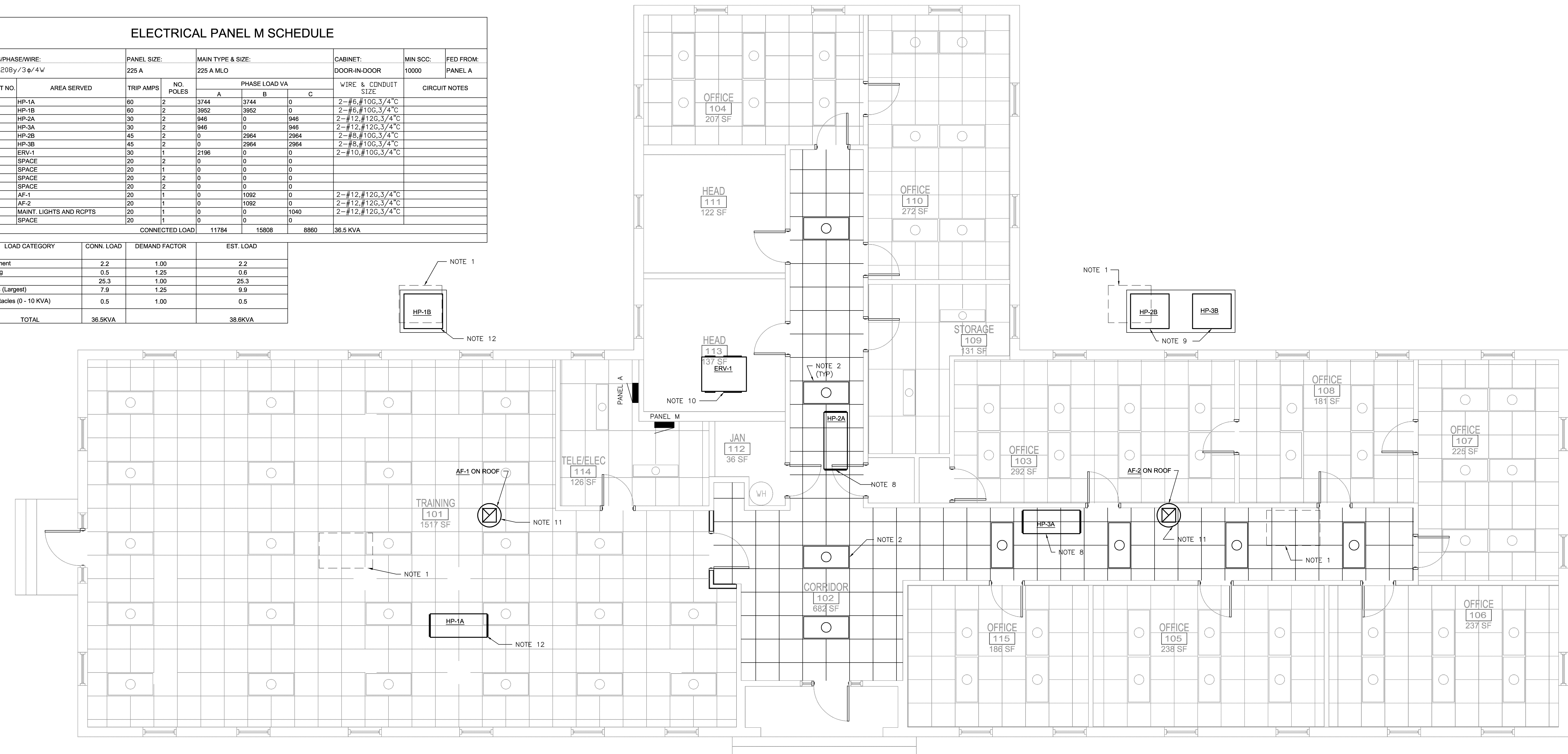
NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT AND NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 30A, SINGLE POLE, NEMA 1, 25A FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW ERV UNIT AND NEW 30A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 30A, SINGLE POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW AF AND NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M"
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM UNIT AND NEW 60A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".
- PROVIDE NEW 42W COMPACT FLUORESCENT MAINTENANCE LIGHTS AND DUPLEX RECEPTACLE AT EACH MECHANICAL UNIT LOCATED IN THE CEILING. CONNECT LIGHTS AND RECEPTACLES TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".

SYM.	PREP'D BY	DATE	APPROVED

ELECTRICAL PANEL M SCHEDULE										
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:		MIN SCC:	FED FROM:
120V/208y/3φ/4W		225 A		225 A MLO			DOOR-IN-DOOR		10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES		
				A	B	C				
1,3	HP-1A	60	2	3744	3744	0	2-#5,#10G,3/4"C			
2,4	HP-1B	60	2	3652	3652	0	2-#6,#10G,3/4"C			
5,7	HP-2A	30	2	946	0	946	2-#12,#12G,3/4"C			
6,8	HP-3A	30	2	946	0	946	2-#12,#12G,3/4"C			
9,11	HP-2B	45	2	0	2964	2964	2-#8,#10G,3/4"C			
10,12	HP-3B	45	2	0	2964	2964	2-#8,#10G,3/4"C			
13	ERV-1	30	1	2196	0	0	2-#10,#10G,3/4"C			
14,16	SPACE	20	2	0	0	0				
15	SPACE	20	1	0	0	0				
17,19	SPACE	20	2	0	0	0				
18,20	SPACE	20	2	0	0	0				
21	AF-1	20	1	0	1092	0	2-#12,#12G,3/4"C			
22	AF-2	20	1	0	1092	0	2-#12,#12G,3/4"C			
23	MAINT. LIGHTS AND RCPTS	20	1	0	0	1040	2-#12,#12G,3/4"C			
24	SPACE	20	1	0	0	0				
CONNECTED LOAD				11784	15808	8860	36.5 KVA			

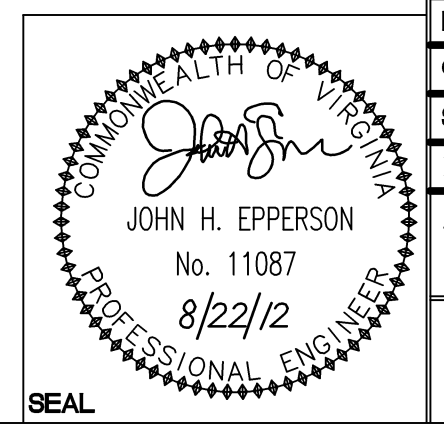
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	2.2	1.00	2.2
Lighting	0.5	1.25	0.6
Motors	25.3	1.00	25.3
Motors (Largest)	7.9	1.25	9.9
Receptacles (0 - 10 KVA)	0.5	1.00	0.5
TOTAL	36.5KVA		38.6KVA



BUILDING 219 ELECTRICAL PLAN
1/4"=1'-0"

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING
NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:
(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless-
(1) The Contracting Officer has given prior written approval; or
(2) The information is otherwise in the public domain before the date of release.
(b) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
(c) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-106 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 219 ELECTRICAL PLAN		NAVFAC DRAWING NO. 60011415	
DES. BWY	DR. BWY	CHK. JHE	SUBMITTED BY: DESIGN DR.
APPROVED PWO OR OIC	DATE	SIZE	CODE IDENT NO.
		E	80091
SATISFACTORY TO	DATE	SCALE: AS SHOWN	SPEC No. 05-12-0091
			SHEET 71 OF 84

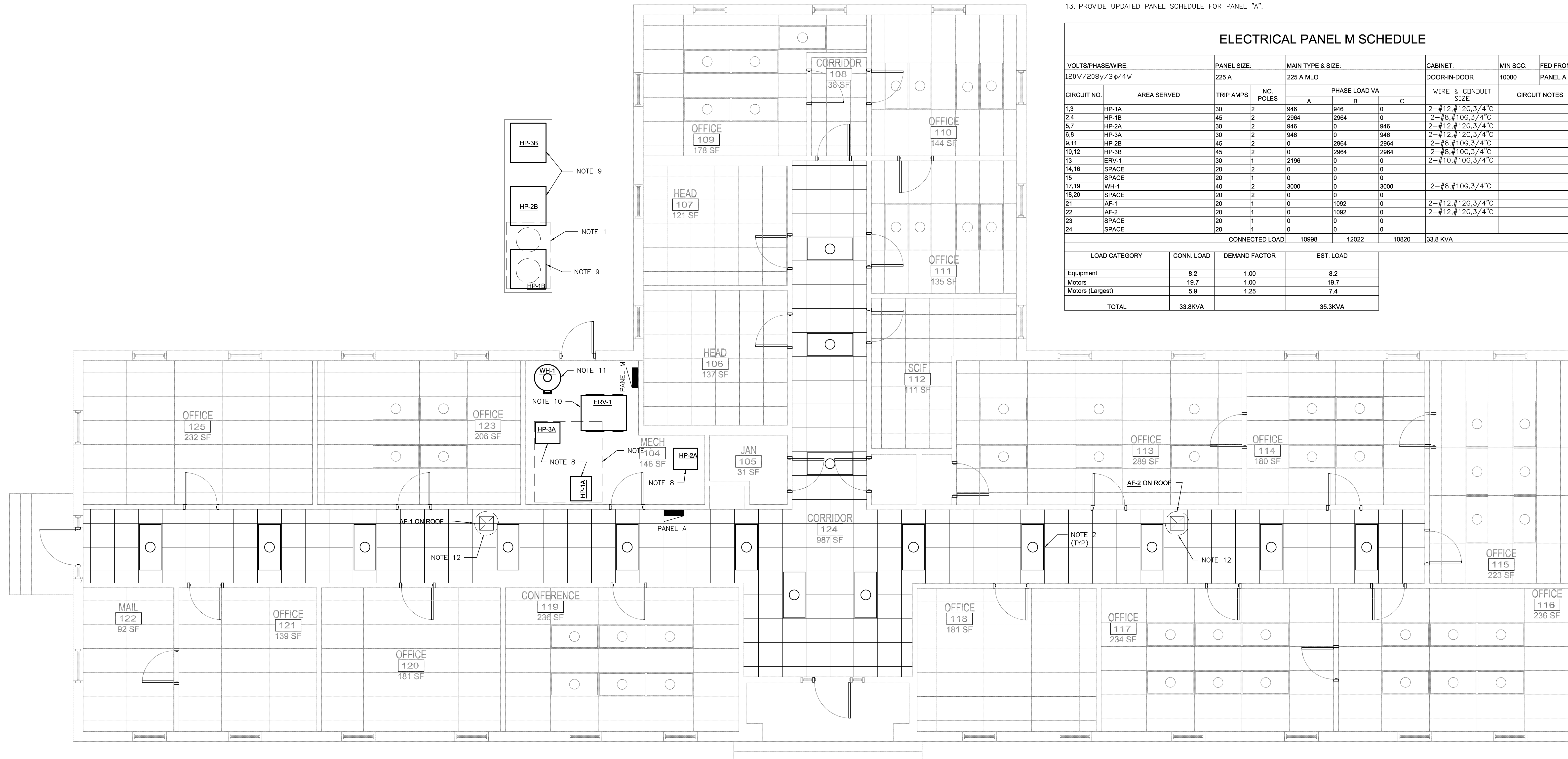
SYM.	PREP'D BY	DATE	APPROVED

NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".

ELECTRICAL PANEL M SCHEDULE

CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES
				A	B	C		
1,3	HP-1A	30	2	946	946	0	2-#12, #12G, 3/4" C	
2,4	HP-1B	45	2	2964	2964	0	2-#8, #10G, 3/4" C	
5,7	HP-2A	30	2	946	0	946	2-#12, #12G, 3/4" C	
6,8	HP-3A	30	2	946	0	946	2-#12, #12G, 3/4" C	
9,11	HP-2B	45	2	0	2964	2964	2-#8, #10G, 3/4" C	
10,12	HP-3B	45	2	0	2964	2964	2-#8, #10G, 3/4" C	
13	ERV-1	30	1	2198	0	0	2-#10, #10G, 3/4" C	
14,16	SPACE	20	2	0	0	0		
15	SPACE	20	1	0	0	0		
17,19	WH-1	40	2	3000	0	3000	2-#8, #10G, 3/4" C	
18,20	SPACE	20	2	0	0	0		
21	AF-1	20	1	0	1092	0	2-#12, #12G, 3/4" C	
22	AF-2	20	1	0	1092	0	2-#12, #12G, 3/4" C	
23	SPACE	20	1	0	0	0		
24	SPACE	20	1	0	0	0		
CONNECTED LOAD				10998	12022	10820	33.8 KVA	
LOAD CATEGORY		CONN. LOAD	DEMAND FACTOR	EST. LOAD				
Equipment		8.2	1.00	8.2				
Motors		19.7	1.00	19.7				
Motors (Largest)		5.9	1.25	7.4				
TOTAL		33.8KVA		35.3KVA				

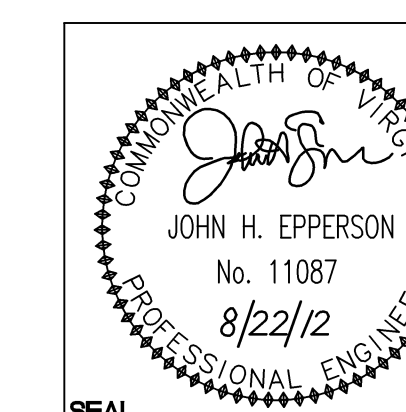


BUILDING 317 ELECTRICAL PLAN
1/4"=1'-0" 0' 2' 4' 8'

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:

- The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
- The information is otherwise in the public domain before the date of release.
- Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
- The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.

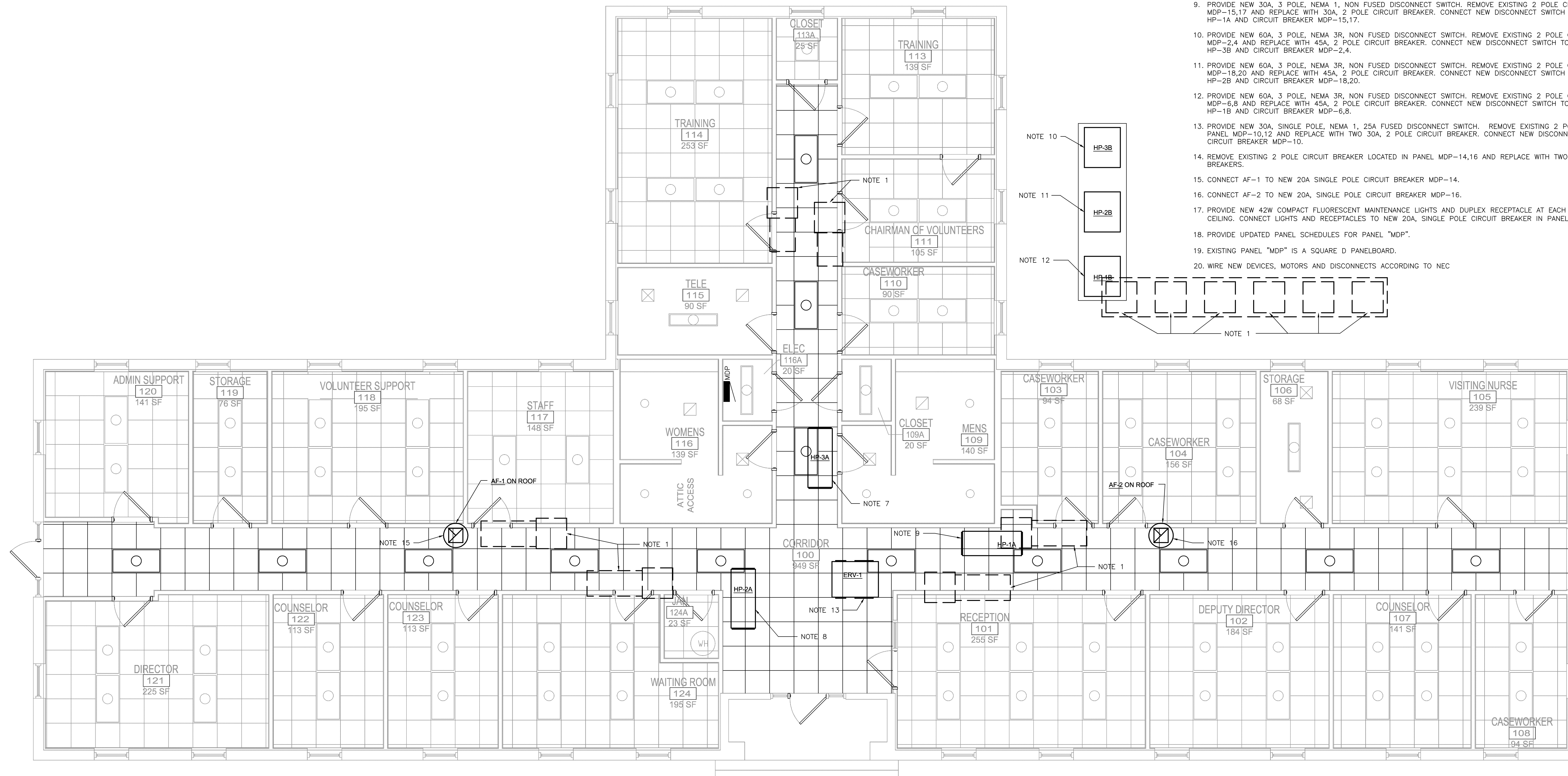


WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.254.7242 wileywilson.com		E-107 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 317 ELECTRICAL PLAN	
SUBMITTED BY: DESIGN DR.		NAVFAC DRAWING NO. 60011416	
APPROVED PWO OR OICC DATE 8/22/12		CONSTR CONTR NO. N40085-12-B-0091	
SATISFACTORY TO		DATE	
SCALE: AS SHOWN		SPEC No. 05-12-0091	
		SHEET 72 OF 84	

SYM.	PREP'D BY	DATE	APPROVED

NOTES:

1. REMOVE CONDUIT, DEVICES AND WIRE TO PANEL "MDP". PATCH WALLS WHERE PENETRATIONS ARE NOT BEING REUSED.
2. REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
3. REMOVE EXISTING CONDUIT AND WIRE FEEDING EXISTING CONDENSATE PUMP TO THE PANEL.
4. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
5. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
6. PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
7. PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-1,3 AND REPLACE WITH 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT HP-3A AND CIRCUIT BREAKER MDP-1,3.
8. PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-5,7 AND REPLACE WITH 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT HP-2A AND CIRCUIT BREAKER MDP-5,7.
9. PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-15,17 AND REPLACE WITH 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT HP-1A AND CIRCUIT BREAKER MDP-15,17.
10. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-2,4 AND REPLACE WITH 45A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT HP-3B AND CIRCUIT BREAKER MDP-2,4.
11. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-18,20 AND REPLACE WITH 45A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT HP-2B AND CIRCUIT BREAKER MDP-18,20.
12. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-6,8 AND REPLACE WITH 45A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT HP-1B AND CIRCUIT BREAKER MDP-6,8.
13. PROVIDE NEW 30A, SINGLE POLE, NEMA 1, 25A FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-10,12 AND REPLACE WITH TWO 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW ERV UNIT AND CIRCUIT BREAKER MDP-10.
14. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL MDP-14,16 AND REPLACE WITH TWO 20A, SINGLE POLE CIRCUIT BREAKERS.
15. CONNECT AF-1 TO NEW 20A SINGLE POLE CIRCUIT BREAKER MDP-14.
16. CONNECT AF-2 TO NEW 20A, SINGLE POLE CIRCUIT BREAKER MDP-16.
17. PROVIDE NEW 42W COMPACT FLUORESCENT MAINTENANCE LIGHTS AND DUPLEX RECEPTACLE AT EACH MECHANICAL UNIT LOCATED IN THE CEILING. CONNECT LIGHTS AND RECEPTACLES TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "MDP".
18. PROVIDE UPDATED PANEL SCHEDULES FOR PANEL "MDP".
19. EXISTING PANEL "MDP" IS A SQUARE D PANELBOARD.
20. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC

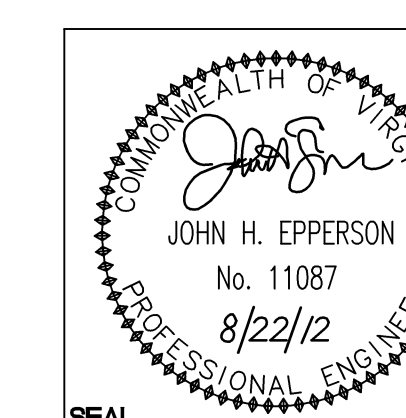


BUILDING 400 ELECTRICAL PLAN
1/4"=1'-0" 0 2 4 8

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:

- (a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless-
The Contracting Officer has given prior written approval; or
The information is otherwise in the public domain before the date of release.
- (b) Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
- (c) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-108 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY	DR. BWY	HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 400 ELECTRICAL PLAN	
CHK. JHE	SUBMITTED BY:	APPROVED PWO OR OIC	DATE
DESIGN DR.	APPROVED PWO OR OIC	DATE	DATE
SATISFACTORY TO	DATE	SCALE: AS SHOWN	SPEC No. 05-12-0091
NAVFAC DRAWING NO. 60011417 CONSTR CONTR NO. N40085-12-B-0091		SHEET 73 OF 84	

NOTES:

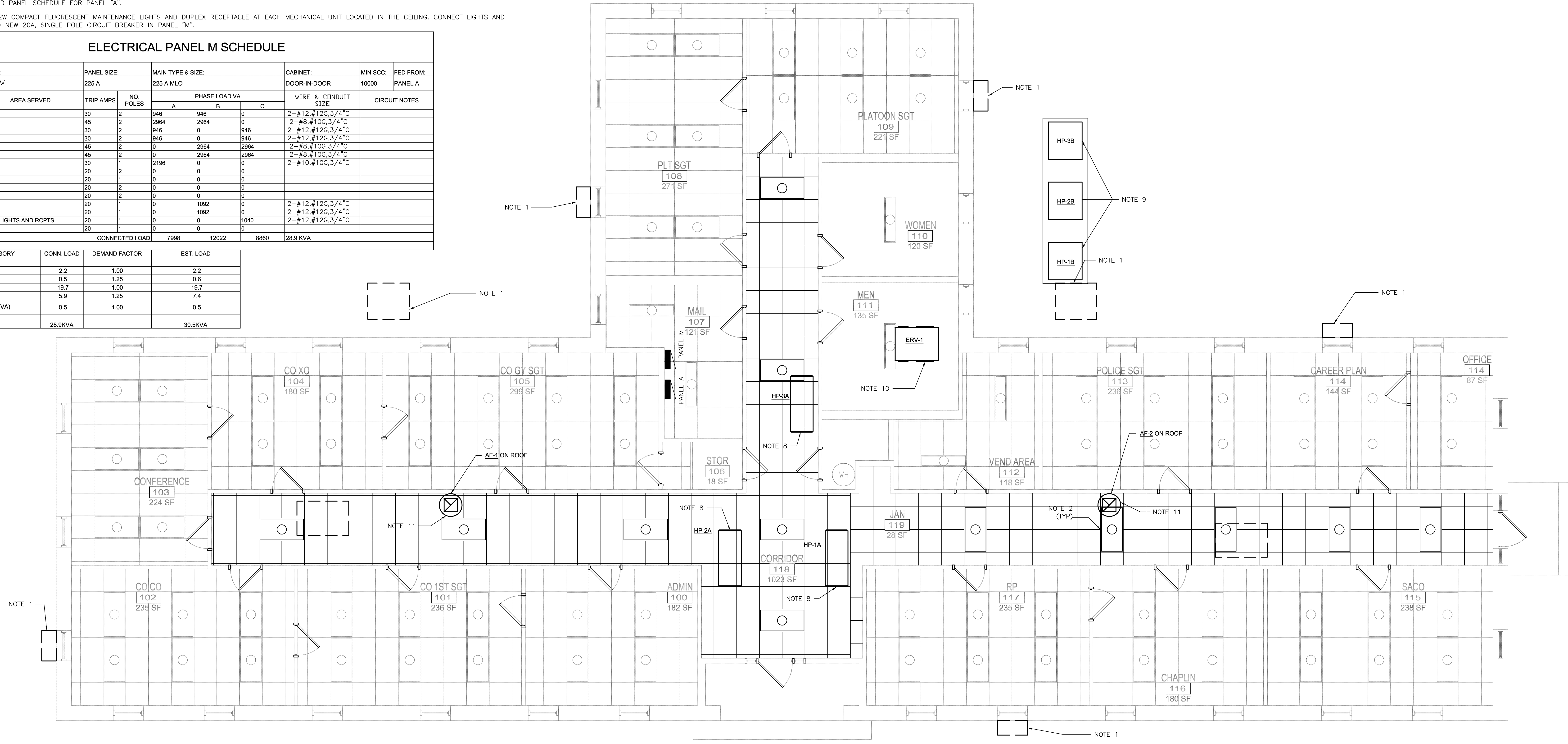
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT AND NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 30A, SINGLE POLE, NEMA 1, 25A FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW ERV UNIT AND NEW 30A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 30A, SINGLE POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW AF AND NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".
- PROVIDE NEW 42W COMPACT FLUORESCENT MAINTENANCE LIGHTS AND DUPLEX RECEPTACLE AT EACH MECHANICAL UNIT LOCATED IN THE CEILING. CONNECT LIGHTS AND RECEPTACLES TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".

SYM.	PREP'D BY	DATE	APPROVED

ELECTRICAL PANEL M SCHEDULE

VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:		MIN. SCC:	FED FROM:
120V/208y/3ø/4W		225 A		225 A MLO			DOOR-IN-DOOR		10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES		
				A	B	C				
1.3	HP-1A	30	2	946	946	0	2-#12, #12G, 3/4" C			
2.4	HP-1B	45	2	2964	2964	0	2-#8, #10G, 3/4" C			
5.7	HP-2A	30	2	946	0	946	2-#12, #12G, 3/4" C			
6.8	HP-3A	30	2	946	0	946	2-#12, #12G, 3/4" C			
9.11	HP-2B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
10.12	HP-3B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
13	ERV-1	30	1	2196	0	0	2-#10, #10G, 3/4" C			
14,16	SPACE	20	2	0	0	0				
15	SPACE	20	1	0	0	0				
17,19	SPACE	20	2	0	0	0				
18,20	SPACE	20	2	0	0	0				
21	AF-1	20	1	0	1092	0	2-#12, #12G, 3/4" C			
22	AF-2	20	1	0	1092	0	2-#12, #12G, 3/4" C			
23	MAINT. LIGHTS AND RCPTS	20	1	0	0	1040	2-#12, #12G, 3/4" C			
24	SPACE	20	1	0	0	0				
CONNECTED LOAD				7998	12022	8860	28.9 KVA			

LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD
Equipment	2.2	1.00	2.2
Lighting	0.5	1.25	0.6
Motors	19.7	1.00	19.7
Motors (Largest)	5.9	1.25	7.4
Receptacles (0 - 10 KVA)	0.5	1.00	0.5
TOTAL	28.9KVA		30.5KVA

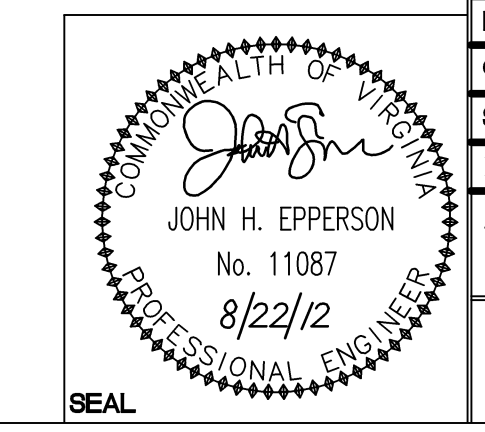


BUILDING 419 ELECTRICAL PLAN
1/4"=1'-0" 0" 2" 4" 8"

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION

- Contractor shall comply as follows:
- The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
 - The information is otherwise in the public domain before the date of release.
 - Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
 - The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.

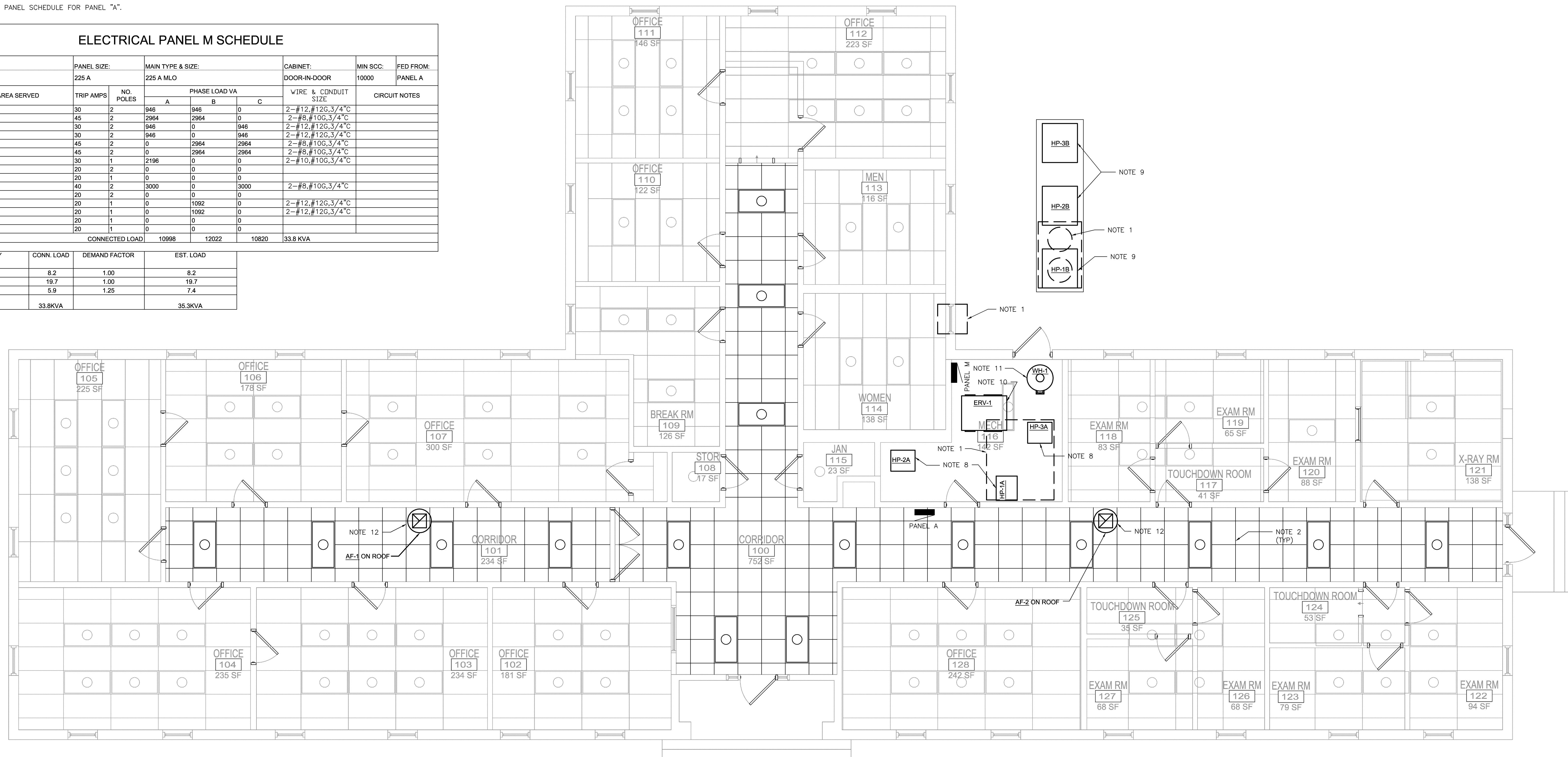


WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		PROJECT NO. CP12-0091 E-109	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 419 ELECTRICAL PLAN		NAVFAC DRAWING NO. 60011418 CONSTR CONTR NO. N40085-12-B-0091	
DES. BWY	DR. BWY	CHK. JHE	SUBMITTED BY:
DESIGN DR.	APPROVED PWO OR OICC	DATE	SIZE
		8/2/12	E
SATISFACTORY TO	DATE	SCALE: AS SHOWN	SPEC No. 05-12-0091
			SHEET 74 OF 84

NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M"
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".

ELECTRICAL PANEL M SCHEDULE										
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:		MIN SCC:	FED FROM:
120V/208y/3ø/4w		225 A		225 A MLO			DOOR-IN-DOOR		10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES		
				A	B	C				
1.3	HP-1A	30	2	946	946	0	2-#12, #12G, 3/4" C			
2.4	HP-1B	45	2	2964	2964	0	2-#8, #10G, 3/4" C			
5.7	HP-2A	30	2	946	0	946	2-#12, #12G, 3/4" C			
6.8	HP-3A	30	2	946	0	946	2-#12, #12G, 3/4" C			
9.11	HP-2B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
10.12	HP-3B	45	2	0	2964	2964	2-#8, #10G, 3/4" C			
13	ERV-1	30	1	2196	0	0	2-#10, #10G, 3/4" C			
14.16	SPACE	20	2	0	0	0				
15	SPACE	20	1	0	0	0				
17.19	WH-1	40	2	3000	0	3000	2-#8, #10G, 3/4" C			
18.20	SPACE	20	2	0	0	0				
21	AF-1	20	1	0	1092	0	2-#12, #12G, 3/4" C			
22	AF-2	20	1	0	1092	0	2-#12, #12G, 3/4" C			
23	SPACE	20	1	0	0	0				
24	SPACE	20	1	0	0	0				
CONNECTED LOAD				10998	12022	10820	33.8 KVA			
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD							
Equipment	8.2	1.00	8.2							
Motors	19.7	1.00	19.7							
Motors (Largest)	5.9	1.25	7.4							
TOTAL	33.8KVA		35.3KVA							

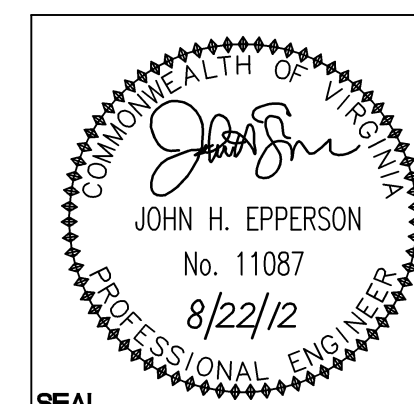


BUILDING 501 ELECTRICAL PLAN
1/4"=1'-0"

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING
NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:

- The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
- The information is otherwise in the public domain before the date of release.
- Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
- The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



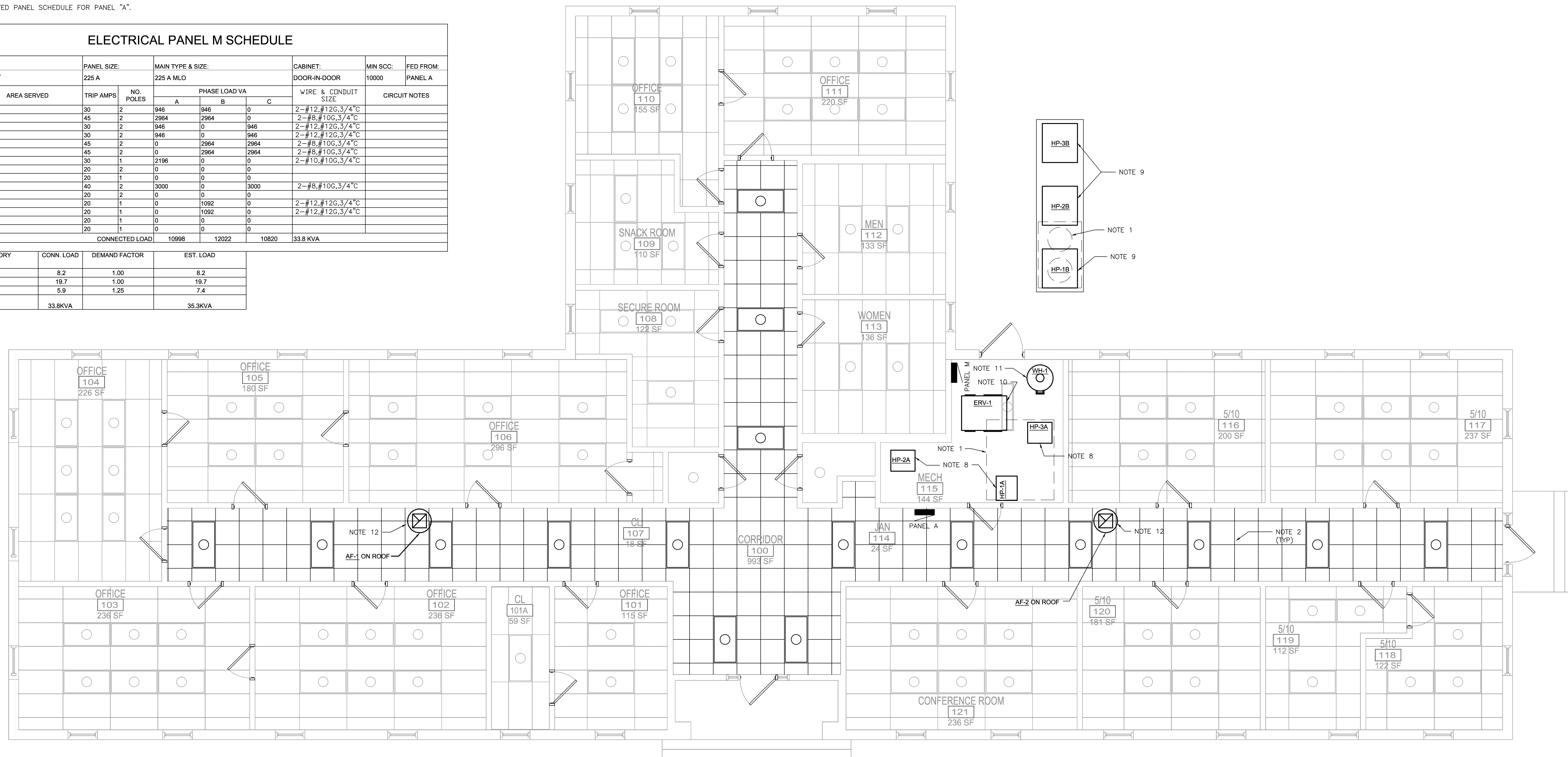
WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-110 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 501 ELECTRICAL PLAN		NAVAL FACILITIES ENGINEERING COMMAND	
DES.	BWY	SIZE	CODE IDENT NO.
DR.	BWY	E	80091
CHK.	JHE	DATE	8/2/12
SUBMITTED BY:		APPROVED PWO OR OICC	
DESIGN DR.		DATE	
SATISFACTORY TO		DATE	
SCALE: AS SHOWN	SPEC No.	05-12-0091	SHEET 75 OF 84

SYM.	PREP'D BY	DATE	APPROVED

NOTES:

- REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".
- REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.
- REMOVE EXISTING CONDUIT, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" PANEL.
- VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
- EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
- PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
- PROVIDE NEW 24 SPACE, 225A, MAIN LUG, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 200A CIRCUIT BREAKER IN PANEL "A" WITH 4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".

ELECTRICAL PANEL M SCHEDULE										
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:		MIN SCC:	FED FROM:
120V/208y/3ø/4W		225 A		225 A MLO			DOOR-IN-DOOR		10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES		
				A	B	C				
1,3	HP-1A	30	2	946	946	0	2-#12,#12G,3/4"C			
2,4	HP-1B	45	2	2964	2964	0	2-#8,#10G,3/4"C			
5,7	HP-2A	30	2	946	0	946	2-#12,#12G,3/4"C			
6,8	HP-3A	30	2	946	0	946	2-#12,#12G,3/4"C			
9,11	HP-2B	45	2	0	2964	2964	2-#8,#10G,3/4"C			
10,12	HP-3B	45	2	0	2964	2964	2-#8,#10G,3/4"C			
13	ERV-1	30	1	2196	0	0	2-#10,#10G,3/4"C			
14,16	SPACE	20	2	0	0	0				
15	SPACE	20	1	0	0	0				
17,19	WH-1	40	2	3000	0	3000	2-#8,#10G,3/4"C			
18,20	SPACE	20	2	0	0	0				
21	AF-1	20	1	0	0	1092	2-#12,#12G,3/4"C			
22	AF-2	20	1	0	0	1092	2-#12,#12G,3/4"C			
23	SPACE	20	1	0	0	0				
24	SPACE	20	1	0	0	0				
CONNECTED LOAD				10998	12022	10820	33.8 KVA			
LOAD CATEGORY	CONN. LOAD	DEMAND FACTOR	EST. LOAD							
Equipment	8.2	1.00	8.2							
Motors	19.7	1.00	19.7							
Motors (Largest)	5.9	1.25	7.4							
TOTAL	33.8KVA		35.3KVA							

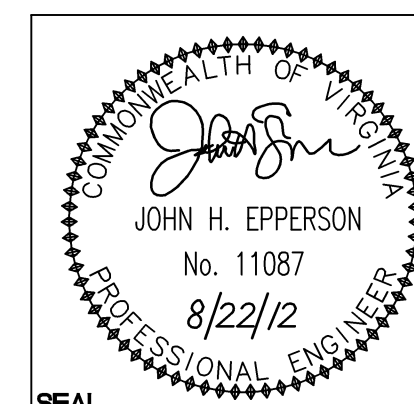


BUILDING 516 ELECTRICAL PLAN
1/4"=1'-0" 0' 2' 4' 8'

NOTE:
SEE SHEET E-501 FOR REFLECTED CEILING
NOTES AND DETAILS

DISCLOSURE OF INFORMATION
Contractor shall comply as follows:

- The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless the Contracting Officer has given prior written approval; or
- The information is otherwise in the public domain before the date of release.
- Requests for approval shall identify the specific information to be released, the medium to be used, and the purpose for the release. The Contractor shall submit its request to the Contracting Officer at least 45 days before the proposed date for release.
- The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



WileyWilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		E-111 PROJECT NO. CP12-0091	
DEPT OF NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 516 ELECTRICAL PLAN		NAVAL FACILITIES ENGINEERING COMMAND	
DES.	BWY	SIZE	CODE IDENT NO.
DR.	BWY	E	80091
CHK.	JHE	DATE	8/2/12
SUBMITTED BY:		APPROVED PWO OR OIC	
DESIGN DR.		DATE	
SATISFACTORY TO		DATE	
NAVFAC DRAWING NO. 60011420		CONSTR CONTR NO. N40085-12-B-0091	
SCALE: AS SHOWN		SPEC No. 05-12-0091	
SHEET 76 OF 84			