

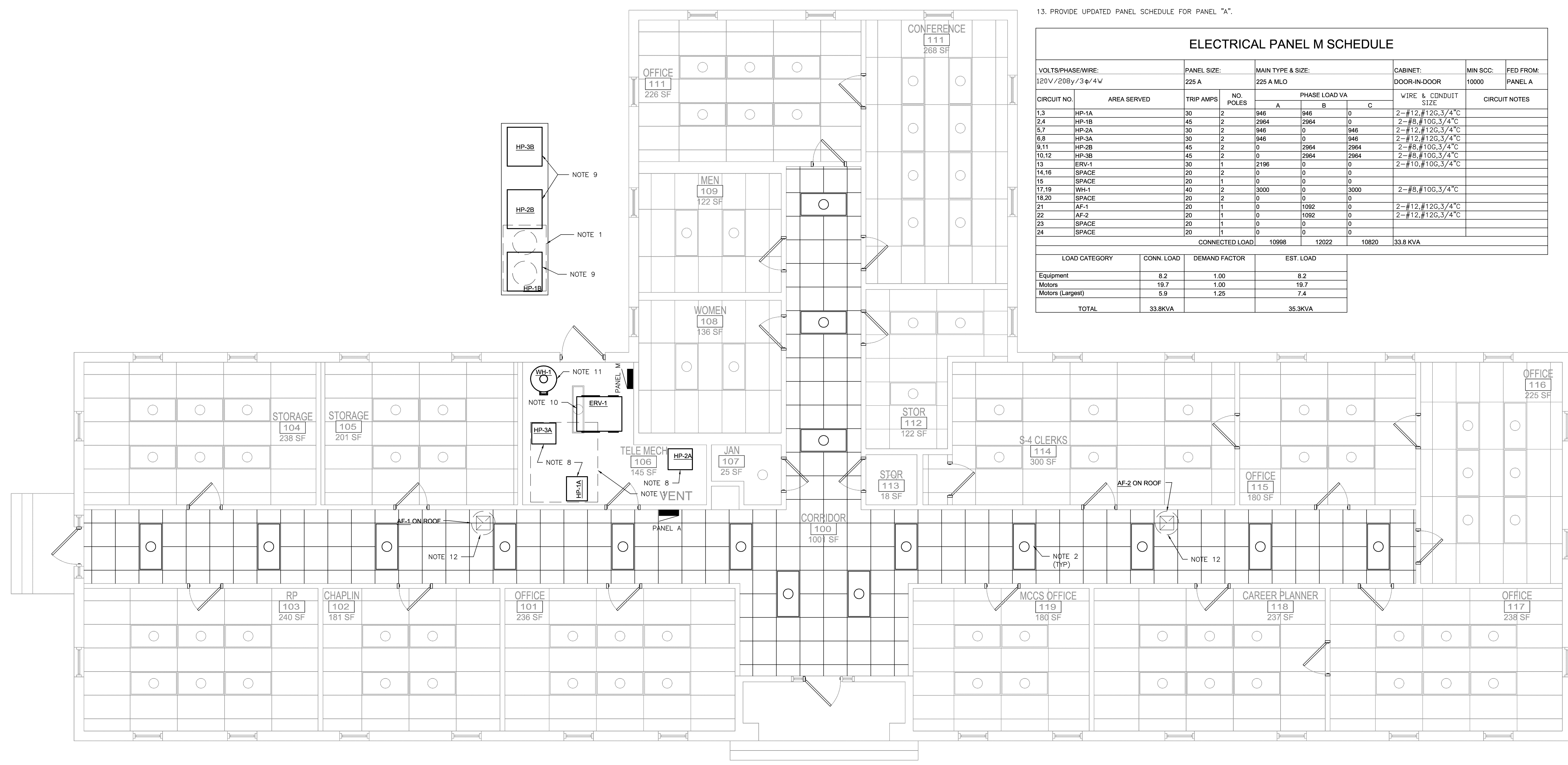
SYM.	PREP'D BY	DATE	APPROVED

**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**

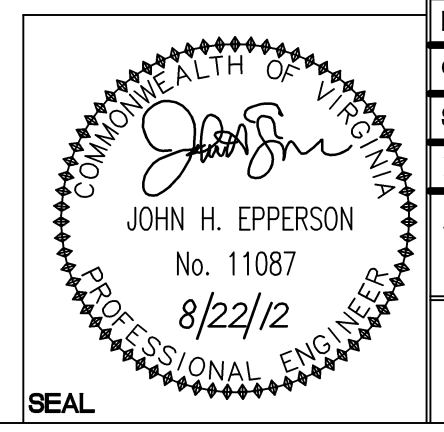
VOLTS/PHASE/WIRE:		PANEL SIZE:		MAIN TYPE & SIZE:			CABINET:	MIN SCC:	FED FROM:
120V/208y/3ø/4W		225 A		225 A MLO			DOOR-IN-DOOR	10000	PANEL A
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			WIRE & CONDUIT SIZE	CIRCUIT NOTES	
				A	B	C			
1.3	HP-1A	30	2	946	946	0	2-#12, #12G, 3/4"C		
2.4	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	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						
<b>TOTAL</b>	<b>33.8KVA</b>		<b>35.3KVA</b>						



**BUILDING 526 ELECTRICAL PLAN**  
1/4"=1'-0"

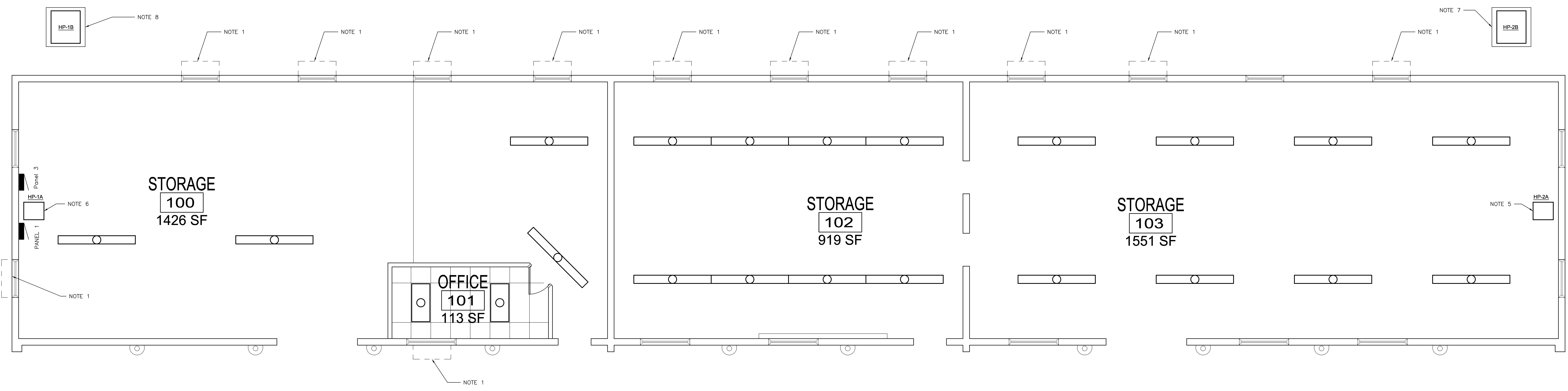
NOTE:  
SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

**DISCLOSURE OF INFORMATION**  
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(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.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		<b>E-112</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES.	BWY	HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 526 ELECTRICAL PLAN	
DR.	BWY		
CHK.	JHE		
SUBMITTED BY:			
DESIGN DR.			
APPROVED PWO OR OIC	DATE	SIZE	CODE IDENT NO.
		E	80091
SATISFACTORY TO	DATE	NAVFAC DRAWING NO. 60011421	
		CONSTR CONTR NO. N40085-12-B-0091	
SCALE:	AS SHOWN	SPEC No.	05-12-0091
		SHEET 77 OF 84	

SYM.	PREP'D BY	DATE	APPROVED



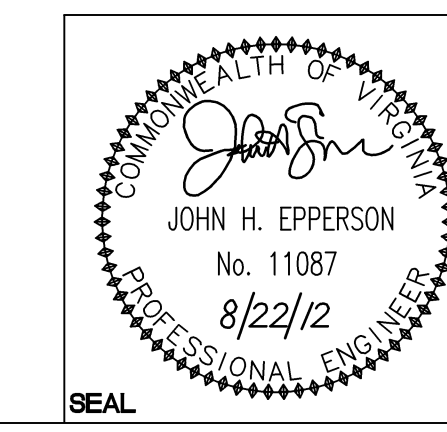
**NOTES:**

1. REMOVE CONDUIT, DEVICES AND WIRE TO PANEL.
2. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
3. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
4. 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.
5. PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL 3-7,9 AND REPLACE WITH 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT HP-2A AND CIRCUIT BREAKER PANEL 3-7,9.
6. PROVIDE NEW 30A, 3 POLE, NEMA 1, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL 3-8,10 AND REPLACE WITH 30A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT HP-1A AND CIRCUIT BREAKER PANEL 3-8,10.
7. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL 1-3,5 AND REPLACE WITH 45A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT HP-2B AND CIRCUIT BREAKER PANEL 1-3,5.
8. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. REMOVE EXISTING 2 POLE CIRCUIT BREAKER LOCATED IN PANEL 1-2,4 AND REPLACE WITH 45A, 2 POLE CIRCUIT BREAKER. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT HP-1B AND CIRCUIT BREAKER PANEL 1-2,4.
9. PROVIDE UPDATED PANEL SCHEDULES
10. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC

**BUILDING 1106 ELECTRICAL PLAN**  
 1/4"=1'-0" 0' 2' 4' 8'

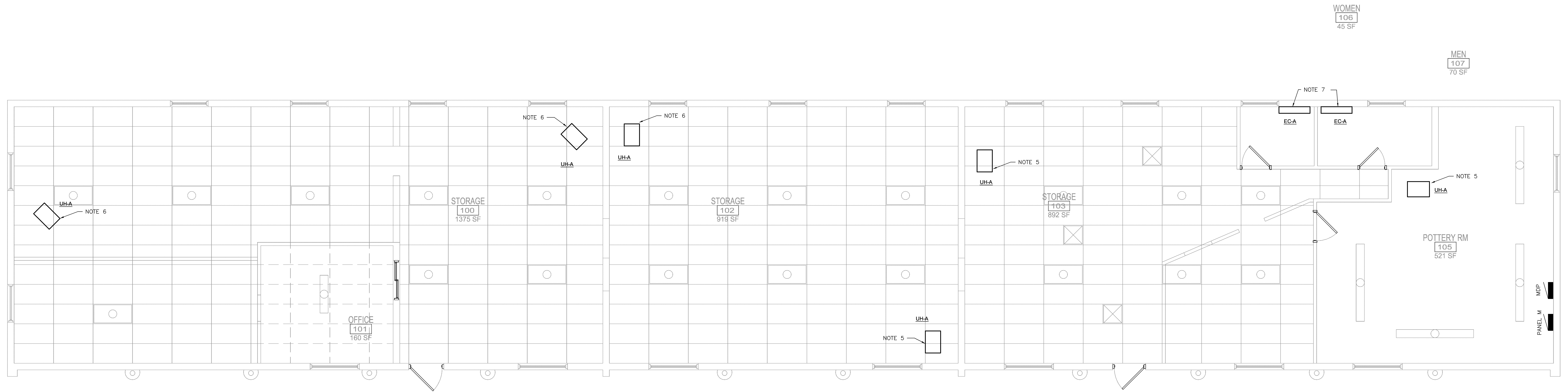
**DISCLOSURE OF INFORMATION**  
 Contractor shall comply as follows:

- (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.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.564.7242 wileywilson.com		<b>E-113</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>NAVAL FACILITIES ENGINEERING COMMAND</b> <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVFAC DRAWING NO. 60011422	
DESIGNER: BWY CHECKER: BWY SUBMITTED BY: JHE DESIGN DIR:		SIZE: E CODE IDENT NO.: 80091	
APPROVED PWO OR OIC:		DATE:	
SATISFACTORY TO:		DATE:	
SCALE: AS SHOWN		SPEC No. 05-12-0091	
SEAL		SHEET 78 OF 84	

SYM.	PREP'D BY	DATE	APPROVED



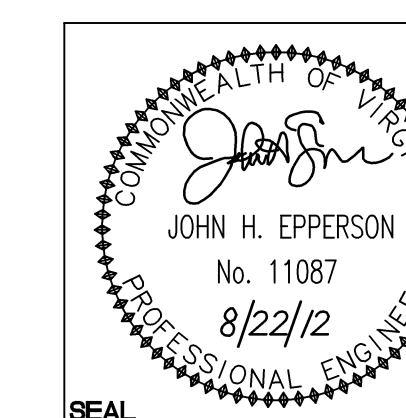
**BUILDING 1107 ELECTRICAL PLAN**  
1/4"=1'-0" 0 2 4 8

**NOTES:**

1. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
2. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
3. 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.
4. PROVIDE NEW 12 SPACE, 60A, MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE, SUB PANEL "M". FEED NEW PANEL "M" FROM EXISTING 70A, 3 POLE CIRCUIT BREAKER IN PANEL "A" WITH 4-#4 AND 1-#8 GROUND IN 1.5" CONDUIT.
5. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT SWITCH. CONNECT TO NEW 20A, 1 POLE CIRCUIT BREAKER IN PANEL "M" AND NEW UH-A.
6. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT SWITCH. CONNECT TO NEW 20A, 1 POLE CIRCUIT BREAKER IN PANEL "M" AND NEW UH-A.
7. PROVIDE NEW 30A, 3 POLE, NON FUSED DISCONNECT SWITCH. CONNECT TO NEW 20A, 2 POLE CIRCUIT BREAKER IN PANEL "M" AND NEW EC-A.
8. PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".
9. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC

**DISCLOSURE OF INFORMATION**  
Contractor shall comply as follows:

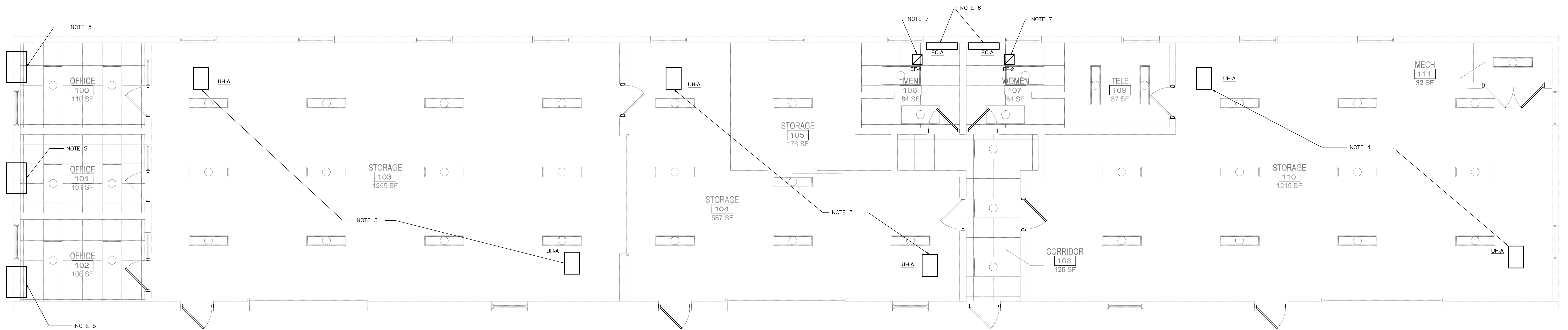
- (a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless-  
The Contracting Officer has given prior written 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.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		<b>E-114</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE SUBMITTED BY: DESIGN DR.		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 1107 ELECTRICAL PLAN	
APPROVED PWO OR OICC DATE 8/22/12		SIZE <b>E</b>	CODE IDENT NO. 80091
SATISFACTORY TO DATE		NAVFAC DRAWING NO. 60011423	CONSTR CONTR NO. N40085-12-B-0091
SCALE: AS SHOWN		SPEC No. 05-12-0091	SHEET 79 OF 84



SYM.	PREP'D BY	DATE	APPROVED



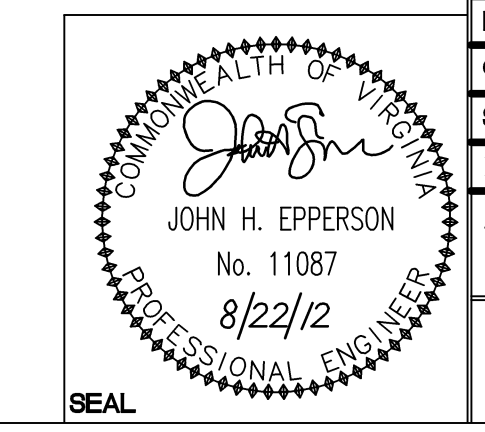
**BUILDING 1309 ELECTRICAL PLAN**  
 1/4"=1'-0" 0" 2" 4" 8"

**NOTES:**

1. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
2. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
3. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT, CONNECT NEW UNIT HEATER TO NEW DISCONNECT AND EXISTING SPARE 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "A".
4. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT, CONNECT NEW UNIT HEATER TO NEW DISCONNECT AND EXISTING SPARE 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "A".
5. DISCONNECT EXISTING THROUGH WALL HEAT PUMP, RECONNECT TO NEW THROUGH WALL HEAT PUMP TO EXISTING CIRCUIT.
6. MOVE EXISTING 20A, SINGLE POLE CIRCUIT BREAKER FROM PANEL "A"-39 TO PANEL "A"-37, REMOVE EXISTING 20A, SINGLE POLE CIRCUIT BREAKER FROM PANEL "A"-41, PROVIDE NEW 20A, 2 POLE CIRCUIT BREAKER IN PANEL "A"-39,41, PROVIDE NEW 30A, THREE POLE NON FUSED DISCONNECT SWITCH, CONNECT NEW DISCONNECT SWITCH TO NEW EC-A UNITS AND TO NEW CIRCUIT BREAKER IN PANEL "A"-39,41.
7. DISCONNECT EXISTING EXHAUST FAN, RECONNECT TO NEW EXHAUST FAN TO EXISTING CIRCUIT.
8. PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A"
9. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC

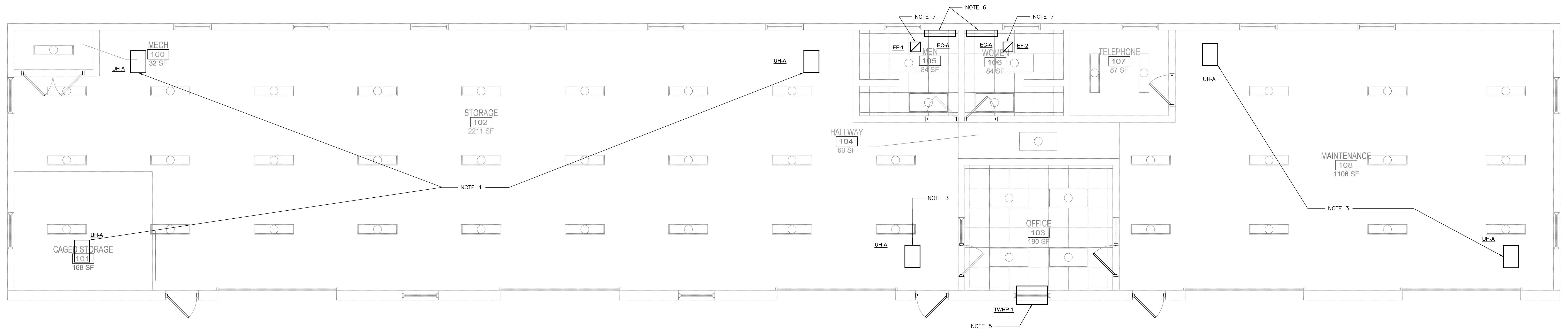
**DISCLOSURE OF INFORMATION**

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.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		<b>E-115</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE SUBMITTED BY: DESIGN DR.		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 1309 ELECTRICAL PLAN	
APPROVED PWO OR OICC DATE SATISFACTORY TO DATE		SIZE <b>E</b>	CODE IDENT NO. 80091
SCALE: AS SHOWN		SPEC No. 05-12-0091	NAVFAC DRAWING NO. 60011424 CONSTR CONTR NO. N40085-12-B-0091 SHEET 80 OF 84

SYM.	PREP'D BY	DATE	APPROVED



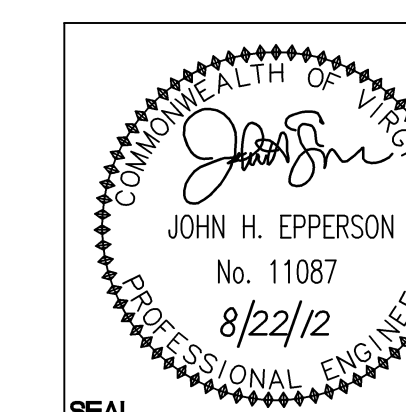
**BUILDING 1310 ELECTRICAL PLAN**  
 1/4"=1'-0" 0' 2' 4' 8"

**NOTES:**

1. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
2. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
3. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT, CONNECT NEW UNIT HEATER TO NEW DISCONNECT AND EXISTING SPARE 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "A".
4. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT, CONNECT NEW UNIT HEATER TO NEW DISCONNECT AND EXISTING SPARE 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "A".
5. DISCONNECT EXISTING THROUGH WALL HEAT PUMP, RECONNECT TO NEW THROUGH WALL HEAT PUMP TO EXISTING CIRCUIT.
6. PROVIDE NEW 20A, 2 POLE CIRCUIT BREAKER IN PANEL "A", PROVIDE NEW 30A, THREE POLE NON FUSED DISCONNECT SWITCH, CONNECT NEW DISCONNECT SWITCH TO NEW EC-A UNITS AND TO NEW CIRCUIT BREAKER IN PANEL "A".
7. DISCONNECT EXISTING EXHAUST FAN, RECONNECT TO NEW EXHAUST FAN TO EXISTING CIRCUIT.
8. PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A"
9. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC

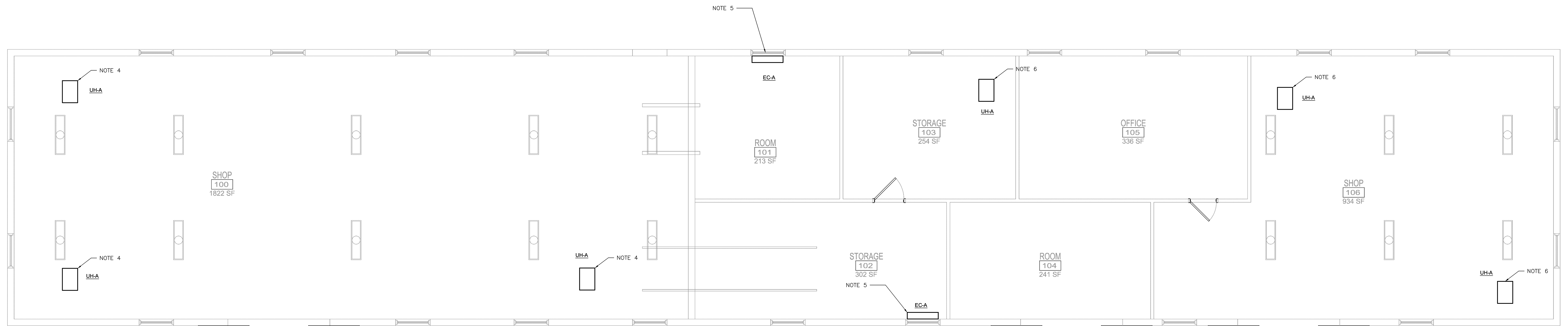
**DISCLOSURE OF INFORMATION**  
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- (d) The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit requests for authorization to release through the prime contractor to the Contracting Officer.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.264.7242 wileywilson.com		<b>E-116</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE SUBMITTED BY: DESIGN DR.		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 1310 ELECTRICAL PLAN	
APPROVED PWO OR OICC DATE 8/22/12		SIZE <b>E</b>	CODE IDENT NO. 80091
SATISFACTORY TO DATE		NAVFAC DRAWING NO. 60011425	
SCALE: AS SHOWN		CONSTR CONTR NO. N40085-12-B-0091	SHEET 81 OF 84

SYM.	PREP'D BY	DATE	APPROVED



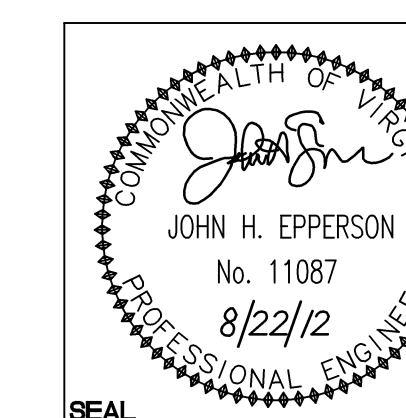
**BUILDING 1409 ELECTRICAL PLAN**  
 1/4"=1'-0" 0 2 4 8

**NOTES:**

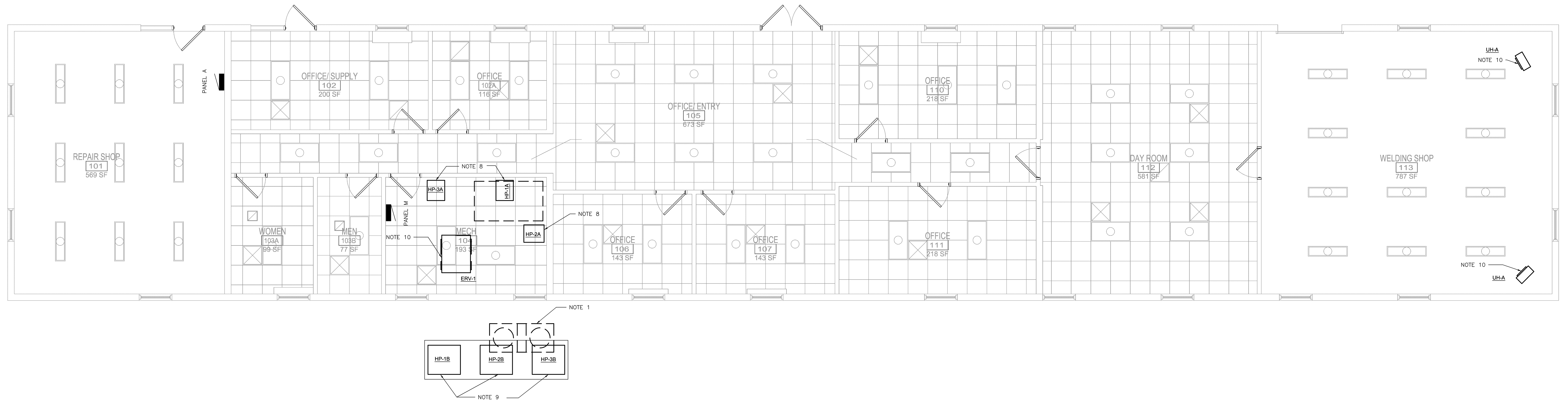
1. VERIFY CIRCUIT NUMBERS AND DE-ENERGIZE CIRCUITS PRIOR TO BEGINNING WORK.
2. EXISTING EQUIPMENT SHALL REMAIN UNLESS NOTED OTHERWISE.
3. PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910) 451-9439 OR (910) 451-7480.
4. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT SWITCH. CONNECT TO EXISTING 20A, 1 POLE CIRCUIT BREAKER IN PANEL "A" AND NEW UH-A.
5. REMOVE TWO EXISTING 20A, SINGLE POLE CIRCUIT BREAKERS IN PANEL "A". PROVIDE NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "A". PROVIDE NEW 20A, 2 POLE, NON FUSED DISCONNECT SWITCH FOR EACH UNIT. CONNECT TO NEW 20A, 2 POLE CIRCUIT BREAKER IN PANEL "A" AND EACH NEW EC-A.
6. PROVIDE NEW 20A, 1 POLE, NON FUSED DISCONNECT SWITCH. CONNECT TO EXISTING 20A, 1 POLE CIRCUIT BREAKER IN PANEL "A" AND NEW UH-A.
7. PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".
8. WIRE NEW DEVICES, MOTORS AND DISCONNECTS ACCORDING TO NEC.

**DISCLOSURE OF INFORMATION**  
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 (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.



<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.254.7242 wileywilson.com		<b>E-117</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. BWY DR. BWY CHK. JHE SUBMITTED BY: DESIGN DR.		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 1409 ELECTRICAL PLAN	
APPROVED PWO OR OICC DATE 8/22/12		SIZE <b>E</b>	CODE IDENT NO. 80091
SATISFACTORY TO DATE		NAVFAC DRAWING NO. 60011426	
SCALE: AS SHOWN		SPEC No. 05-12-0091	SHEET 82 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".

**BUILDING 1410 ELECTRICAL PLAN**  
1/4"=1'-0"

**NOTE:**

SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

**ELECTRICAL PANEL M SCHEDULE**

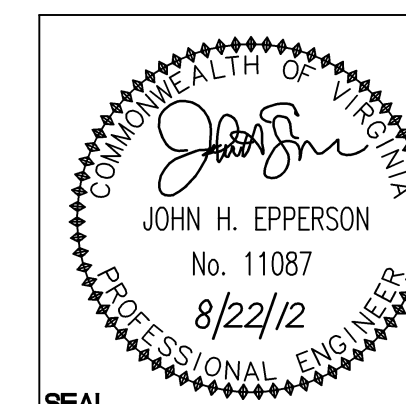
VOLTS/PHASE/WIRE:	PANEL SIZE:	MAIN TYPE & SIZE:	CABINET:	MIN SCC:	FED FROM:	
120V/208Y/3φ/4W	225 A	225 A MLO	DOOR-IN-DOOR	10000	PANEL A	
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA	WIRE & CONDUIT SIZE	CIRCUIT NOTES
1,3	HP-1A	30	2	946	2-#12, #12G, 3/4" C	
2,4	HP-1B	45	2	2964	2-#8, #10G, 3/4" C	
5,7	HP-2A	30	2	946	2-#12, #12G, 3/4" C	
6,8	HP-3A	30	2	946	2-#12, #12G, 3/4" C	
9,11	HP-2B	45	2	2964	2-#8, #10G, 3/4" C	
10,12	HP-3B	45	2	2964	2-#8, #10G, 3/4" C	
13	ERV-1	30	1	2196	2-#10, #10G, 3/4" C	
14,16	SPACE	20	2	0	0	
15	SPACE	20	1	0	0	
17,19	WH-1	40	2	3000	2-#8, #10G, 3/4" C	
18,20	SPACE	20	2	0	0	
21	UHA	20	1	0	592	2-#12, #12G, 3/4" C
22	UHA	20	1	0	592	2-#12, #12G, 3/4" C
23	SPACE	20	1	0	0	
24	SPACE	20	1	0	0	
CONNECTED LOAD		10998		11022	10820	32.8 KVA

**DISCLOSURE OF INFORMATION**

Contractor shall comply as follows:

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- 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.

<b>WileyWilson</b> 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.254.7242 wileywilson.com		<b>E-118</b> PROJECT NO. CP12-0091	
DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DESIGN DR. SUBMITTED BY: JHE APPROVED PWO OR OICC: DATE: 8/2/12		HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT BUILDING 1410 ELECTRICAL PLAN	
SATISFACTORY TO: DATE:		NAVFAC DRAWING NO. 60011427 CONSTR CONTR NO. N40085-12-B-0091	
SCALE: AS SHOWN		SPEC No. 05-12-0091 SHEET 83 OF 84	





SYM.	PREP'D BY	DATE	APPROVED


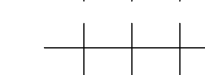


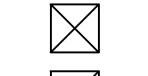
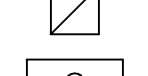
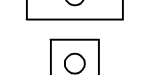

**RCP GENERAL DEMOLITION NOTES**

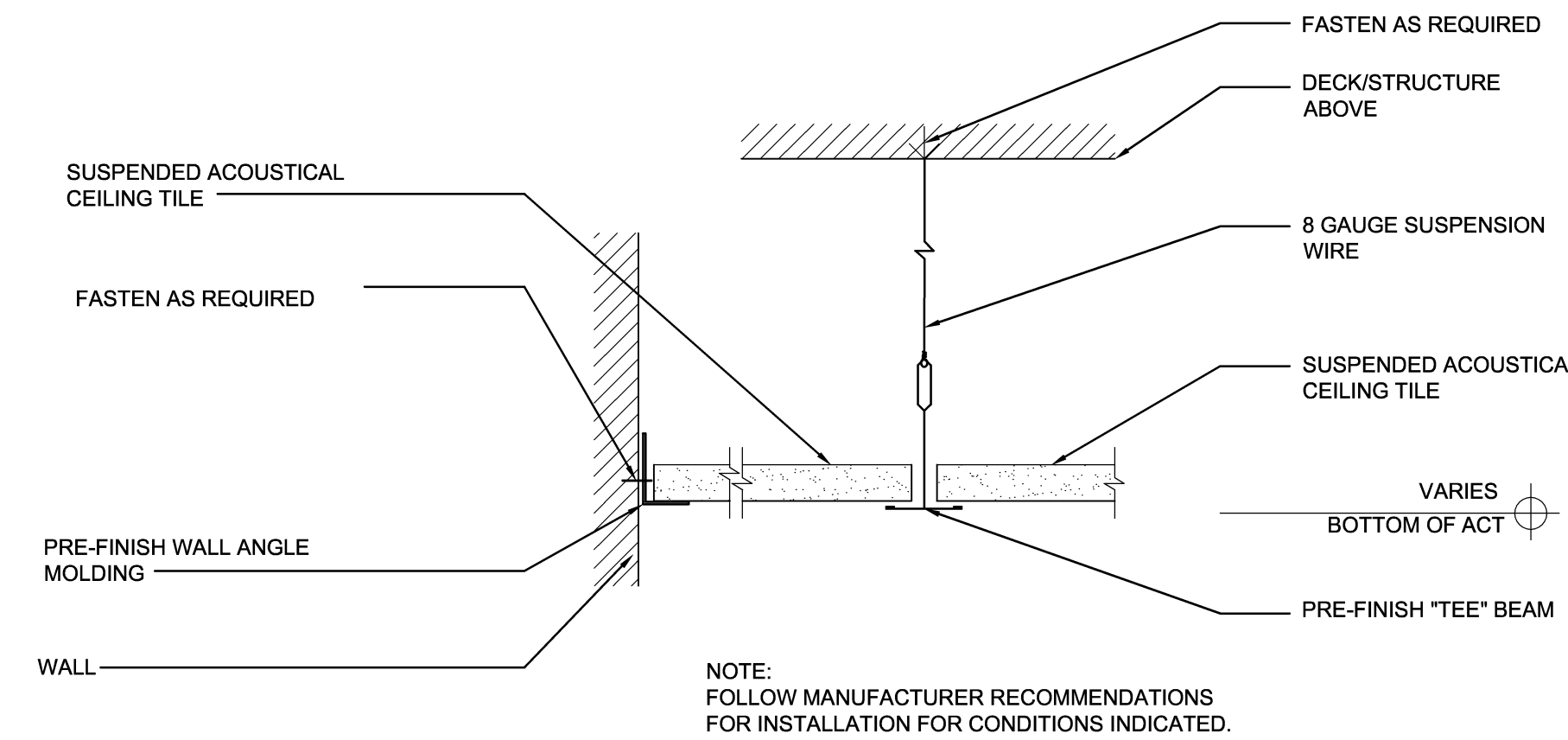
1. REMOVE ACOUSTICAL CEILING TILES AND SUSPENDED GRID IN CORRIDORS IN THEIR ENTIRETY. SALVAGE ANY UNDAMAGED 2X2 TILES TO REPLACE SOILED OR DAMAGED TILES ENCOUNTERED DURING RENOVATION WORK, UP TO 50% OF EACH SPACE. RETURN ANY SALVAGED TILES NOT USED TO THE OWNER.
2. NEATLY SAW CUT AND REMOVE EXISTING PLASTER OR GYPSUM CEILING ABOVE EXISTING ACOUSTICAL CEILING TILE IN CORRIDOR AS REQUIRED TO ACCOMMODATE MECHANICAL DUCT DEMOLITION AND NEW WORK. EXTENT OF REMOVAL TO BE DETERMINED BY THE CONTRACTOR.
3. REMOVE AND REPLACE ANY DISCOLORED, STAINED OR BROKEN ACOUSTICAL CEILING TILE OF THE WORST CEILING TILES IN THE REMAINING SPACES ENCOUNTERED DURING RENOVATION WORK. REPAIR OR REPLACE SUSPENSION GRID AT DEMOLISHED WORK.
4. REMOVE EXISTING FLUORESCENT LIGHT FIXTURES AS REQUIRED TO ACCOMMODATE NEW WORK. SALVAGE FOR REINSTALLATION.
5. REMOVE EXISTING CEILING MOUNTED DEVICES AS REQUIRED TO ACCOMMODATE NEW WORK.

**RCP RENOVATION NOTES**

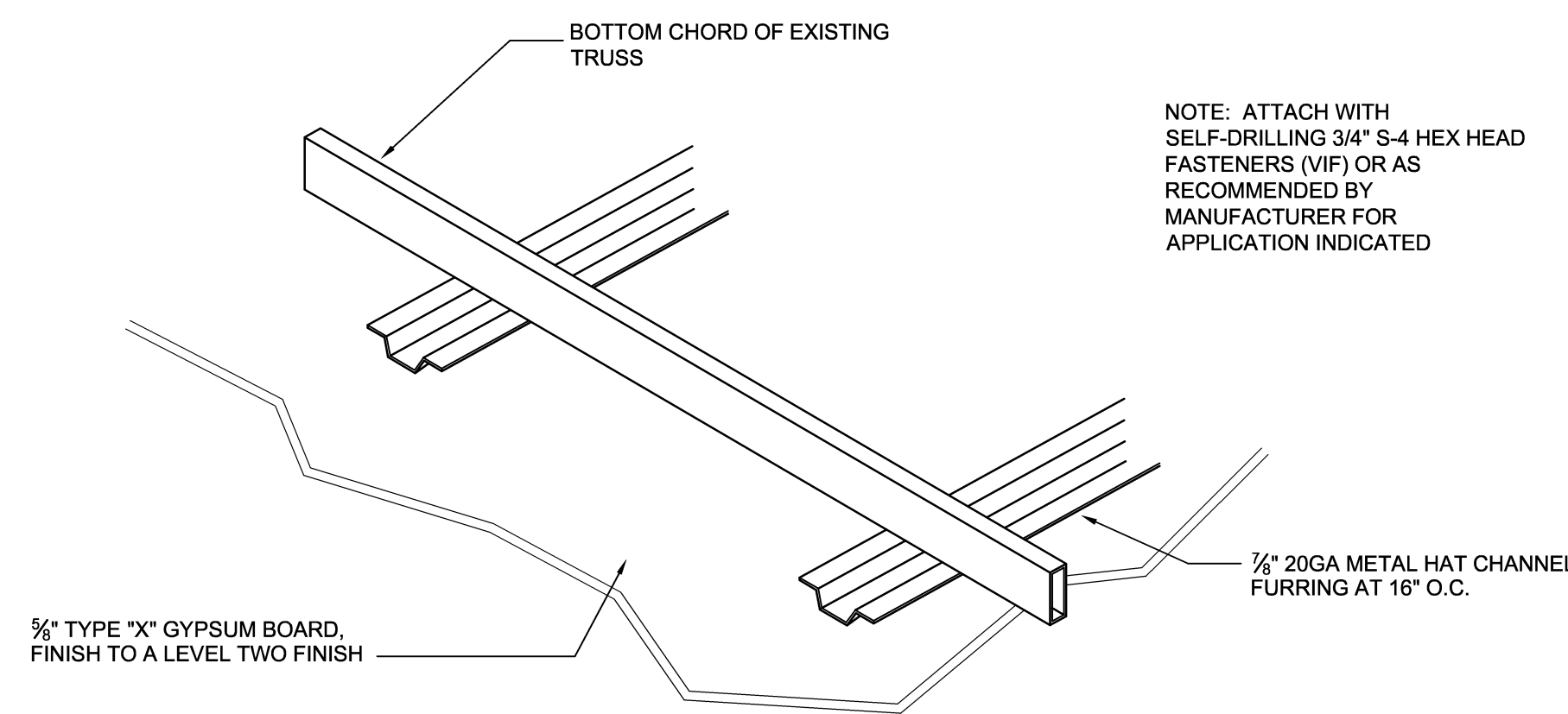
1. REPLACE ACOUSTICAL CEILING TILE AND SUSPENDED GRID IN CORRIDOR. SEE SPECIFICATIONS FOR CEILING TILE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A 2X2 SQUARE OR REGULAR EDGE TILE TO MATCH EXISTING AND/OR ADJACENT TILE.
2. REPLACE DISCOLORED, STAINED OR BROKEN ACOUSTICAL CEILING TILES USING SALVAGED TILES. FOR SPACES WITH EXTENSIVE DAMAGE, REPLACE ENTIRE CEILING AND GRID WITH NEW 2X2 SUSPENDED CEILING TILE AND GRID. SEE SPECIFICATIONS FOR CEILING TILE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PATCH AND REPAIR EXISTING PLASTER CEILING ABOVE ACOUSTICAL CEILING TILE AT ALL DEMOLITION AND NEW WORK AREAS, PER 'USG' OR EQUAL RECOMMENDATIONS.
4. RELOCATE ALL EXISTING CEILING MOUNTED DEVICES TO ORIGINAL LOCATIONS OR AS INDICATED ON DRAWINGS.
5. COORDINATE CEILING SYSTEM MODIFICATION WITH REVISED LIGHTING, DIFFUSER, AND RETURN LOCATIONS.

**RCP LEGEND:**

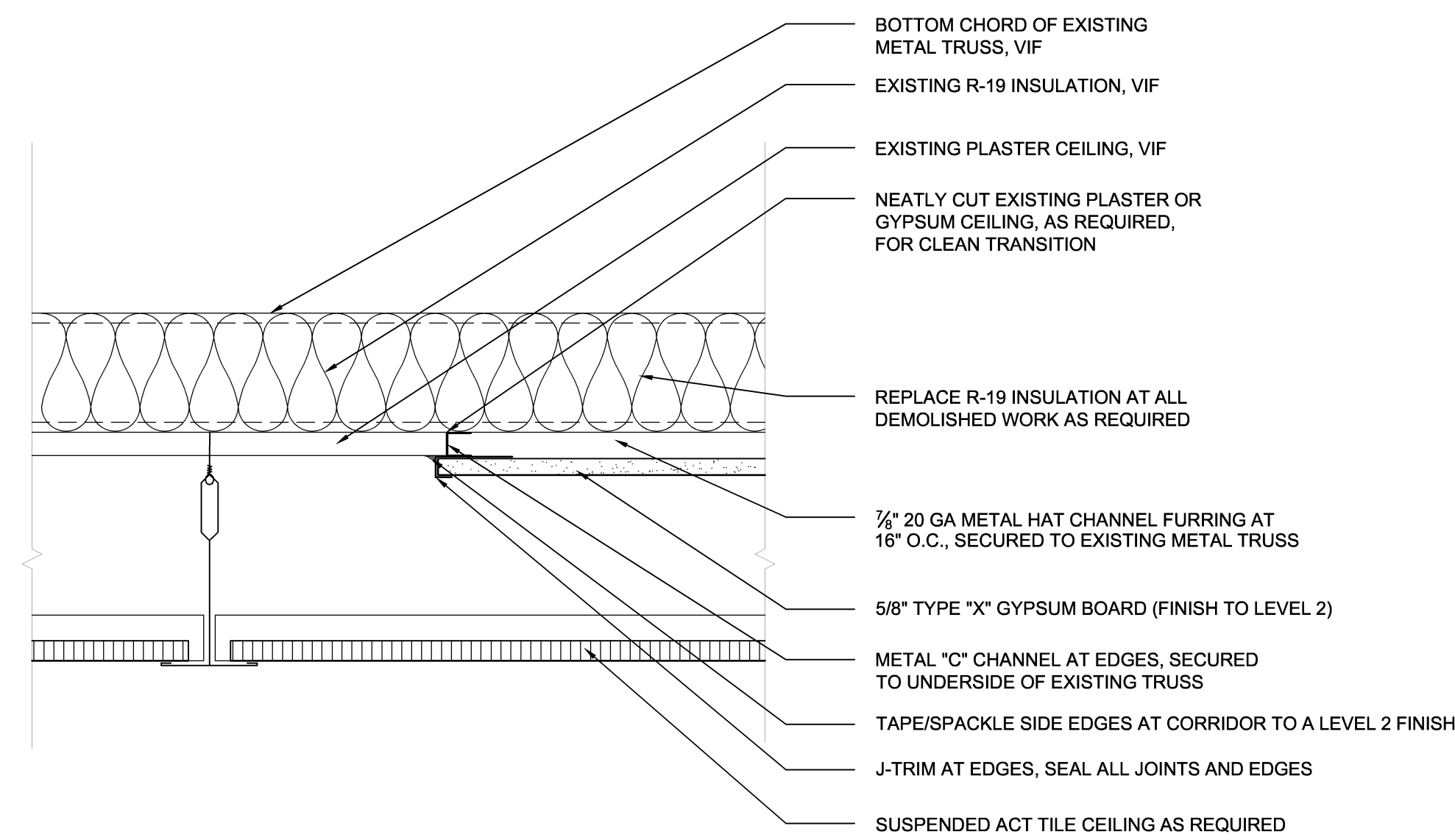
-  2 X 2 EXISTING SUSPENDED ACOUSTICAL CEILING/GRID
-  2 X 4 EXISTING SUSPENDED ACOUSTICAL CEILING/GRID
-  2 X 2 NEW SUSPENDED ACOUSTICAL CEILING/GRID
-  EXISTING SOFFIT/ CEILING
-  HVAC DIFFUSER
-  HVAC EXHAUST
-  EXISTING 2 X 4 LIGHT FIXTURE
-  EXISTING 2 X 2 LIGHT FIXTURE



**TYPICAL SUSPENDED ACOUSTICAL TILE CEILING DETAIL**




**DETAIL - GYPSUM BOARD CEILING SUSPENSION**



**DETAIL - GYPSUM BOARD CEILING PATCH AT EXISTING PLASTER DEMOLITION WORK**

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DEPT OF NAVY <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA		NAVAL FACILITIES ENGINEERING COMMAND	
DES. TAH	DR. AEI	<b>HVAC/DHW IMPROVEMENTS, VARIOUS FACILITIES, HADNOT POINT</b> REFLECTED CEILING NOTES AND DETAILS	
CHK. JHE	SUBMITTED BY:	NAVFAC DRAWING NO. 60011428	
DESIGN DR.	APPROVED PWO OR OICC	DATE	CONSTR CONTR NO. N40085-12-B-0091
SATISFACTORY TO	DATE	SIZE E CODE IDENT NO. 80091	SHEET 84 OF 84
SCALE: AS SHOWN		SPEC No. 05-12-0091	

