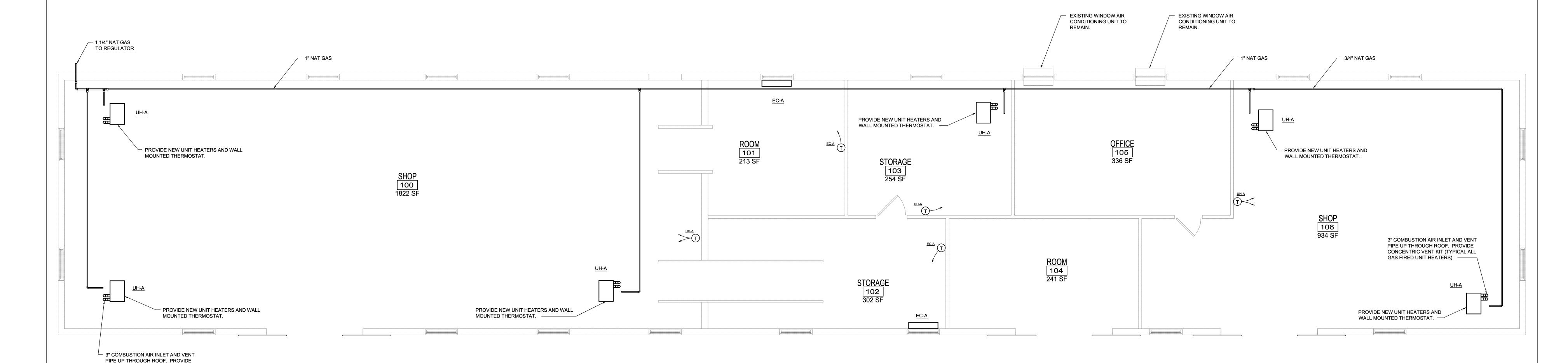
_			_
SYM.	PREP'D BY	DATE	APPROVED



BUILDING 1409 MECHANICAL NEW WORK 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-

medium (e.g., film, tape, document), pertaining to any part of t
(1) The Contracting Officer has given prior written approval; or

CONCENTRIC VENT KIT (TYPICAL ALL

GAS FIRED UNIT HEATERS)

(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.

Wiley|Wilson 6606 West Broad St., Suite 500 Richmond, Virginia 23230-1717 804.254.7242 wileywilson.com M - 117BPROJECT NO. CP12-0091 NAVAL FACILITIES ENGINEERING COMMAND

MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA DEPT OF NAVY IM HVAC/DHW IMPROVEMENTS, SWL VARIOUS FACILITIES, JHE **HADNOT POINT** SUBMITTED BY: BUILDING 1409 MECHANICAL NEW WORK PLAN DESIGN DIR. DATE SIZE CODE IDENT NO. APPROVED: PWO OR OICC NAVFAC DRAWING NO. 60011405 DATE CONSTR CONTR NO. N40085-12-B-0091 SATISFACTORY TO SCALE: AS SPEC No. 05-12-0091 SHEET 61 OF 84

SYM.	PREP'D BY	DATE	APPROVE

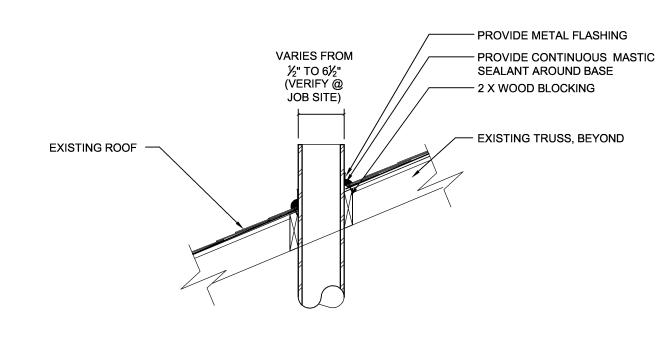
GAS FIRED UNIT HEATER SCHEDULE

SCHEDU	ILE
DESIGNATION	UH-A
LOCATION	VARIOUS
FUEL	NATURAL GAS
AIRFLOW (CFM)	505
THROW	HORIZONTAL
INPUT (MBH)	30
MINIMUM INLET GAS PRESSURE (IN. WC.)	6
MAXIMUM INLET GAS PRESSURE (IN. WC.)	7
CAPACITY (MBH)	24
ENTERING AIR TEMPERATURE (DEG F)	60
LEAVING AIR TEMPERATURE (DEG F)	103
UNIT VOLTAGE	120
PHASE	1
FREQUENCY (HZ)	60
BASED ON	MODINE
MODEL	HDS 30
REMARKS	60
REMARKS LEGEND:	
4 DDOVIDE INTECDAL DISCONNECT	

1. PROVIDE INTEGRAL	DISCONNECT.

ELECTRIC CONVECTOR SCHEDULE		
	EC-A	
	VARIOUS	
	CABINET	
MINIMUM CAPACITY (KW)	1.1	
ENTERING AIR TEMPERATURE (DEG F)	68	
UNIT TOTAL CURRENT (A)	3.6	
UNIT VOLTAGE (V)	208	
PHASE	1	
FREQUENCY (HZ)	60	
	CHROMALOX	
	CAF-12F211	
	1 & 2	
	MINIMUM CAPACITY (KW) ENTERING AIR TEMPERATURE (DEG F) UNIT TOTAL CURRENT (A) UNIT VOLTAGE (V) PHASE	

- 1. PROVIDE BUILT-IN SINGLE PHASE TAMPERPROOF THERMOSTAT
- 2. PROVIDE BUILT-IN DISCONNECT



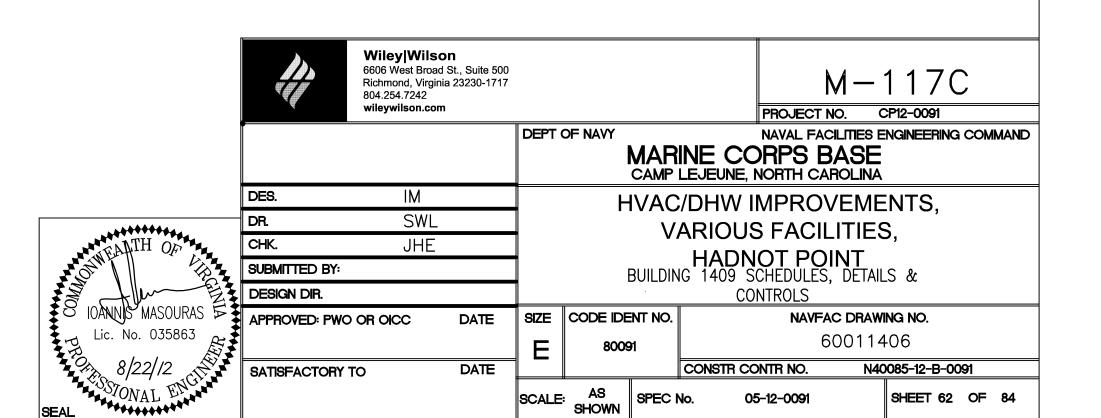
ROOF PENETRATION DETAIL

NOT TO SCALE

DISCLOSURE OF INFORMATION Contractor shall comply as follows:

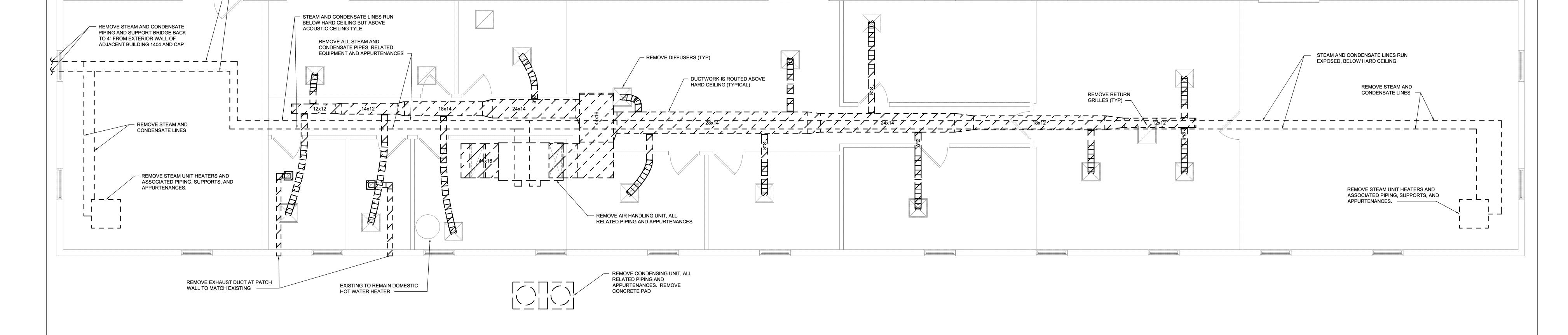
- (a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless-
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(c)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



DEMOLITION NOTES: 1. DUCT LOCATIONS APPROXIMATE, CONTRACTOR TO VERIFY AS NECESSARY. 2. SEAL ALL BUILDING PENETRATIONS CREATED DURING DEMOLITION AND NOT RE-USED TO INCLUDE PLASTER CEILING PENETRATIONS. 3. REMOVE ALL EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, HANGERS AND INSULATION AS SHOWN.

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>
> MARINE CORPS BASE
>
> CAMP LEJEUNE, NORTH CAROLINA DEPT OF NAVY IM HVAC/DHW IMPROVEMENTS, SWL VARIOUS FACILITIES, JHE **HADNOT POINT** SUBMITTED BY: BUILDING 1410 MECHANICAL DEMOLITION PLAN DESIGN DIR. DATE SIZE CODE IDENT NO. NAVFAC DRAWING NO. APPROVED: PWO OR OICC 60011407 CONSTR CONTR NO. N40085-12-B-0091 DATE SATISFACTORY TO SCALE: AS SPEC No. 05-12-0091 SHEET 63 OF 84



BUILDING 1410 MECHANICAL DEMOLITION PLAN

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-

 STEAM AND CONDENSATE LINES RUN EXPOSED, BELOW HARD CEILING

(1) The Contracting Officer has given prior written approval; or (2) 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.

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requests for authorization to release through the prime contractor to the Contracting Officer.

PREP'D BY DATE APPROVED

GENERAL NOTES:

- 1. THE LOCATION OF ALL DUCT, PIPING AND EQUIPMENT SHALL BE ADJUSTED TO ACCOMMODATE ANTICIPATED OR ENCOUNTERED INTERFERENCES. THESE PLANS
- ARE PARTIALLY DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. 2. PROVIDE BALANCING DAMPER FOR EACH SUPPLY, RETURN AND EXHAUST
- BRANCH. BALANCE SYSTEM WITH INTERIOR DOORS OPEN. PROVIDE BALANCING DAMPER FOR EACH OUTSIDE AIR DUCT THAT CONNECTS TO THE RETURN OF EACH AIR HANDLER AND BALANCE TO AIR FLOWS INDICATED ON SCHEDULE. 3. MAXIMUM LENGTH OF ALLOWABLE FLEX DUCT IS 6'. DO NOT MAKE TURNS WITH
- FLEXIBLE DUCT, USE HARD ELBOWS. 4. PROVIDE 2" MERV 8 FILTER ASSEMBLY IN RETURN DUCT DOWNSTREAM OF THE
- OUTSIDE AIR CONNECTION. 5. MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL
- EQUIPMENT. 6. MOUNT ERV-1 AS CLOSE TO MECHANICAL ROOM CEILING AS POSSIBLE.

RELOCATE EXISTING LIGHT FIXTURES AS NECESSARY.

PREP'D BY DATE APPROVED

OFFI<u>CE/ EN</u>TRY OFFICE 102A 116 SF — ROUTE NEW DUCTWORK ABOVE S1A 205 105 DAY ROOM 112 581 SF HARD CEILING (TYPICAL) REPAIR SHOP 101 569 SF 10"Ø 14x14 10x12 10x10 18x14 16x14 WELDING SHOP 12"Ø 14"Ø 14x12 18x14 16x14 16x12 T <u>HP-2</u> OFFICE 107 143 SF 12x12 UP TO <u>HGI-1</u> ON ROOF Lancacourant control of the control MEN 103B 77 SF ROUTE 3/4" CONDENSATE LINE PROVIDE NEW AND OVERFLOW LINE TO 6" ABOVE SPLASH BLOCK. EQUIPMENT PAD — PROVIDE NEW SPLASH BLOCK <u>HP-2B</u> <u>HP-3B</u> ROUTE REFRIGERANT AND SUCTION PIPING ABOVE GROUND ON SOLID CONCRETE

BUILDING 1410 MECHANICAL NEW WORK PLAN

1/4"=1'-0"

BUILDING 1410 MECHANICAL NEW WORK PLAN

0' 2' 4' 8'

BLOCKS, MAXIMUM 4' ON CENTER (TYPICAL

FOR ALL HEAT PUMPS)

DISCLOSURE OF INFORMATION

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MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA IM HVAC/DHW IMPROVEMENTS, SWL VARIOUS FACILITIES, JHE **HADNOT POINT** SUBMITTED BY: BUILDING 1410 MECHANICAL NEW WORK PLAN DESIGN DIR. DATE SIZE CODE IDENT NO. NAVFAC DRAWING NO. APPROVED: PWO OR OICC 60011408 DATE CONSTR CONTR NO. N40085-12-B-0091 SATISFACTORY TO SCALE: AS SPEC No. 05-12-0091 SHEET 64 OF 84

SYM.	PREP'D BY	DATE	APPROVED

		HEAT PUMP SCHEI	DULE		
INDOOR UNIT DESIGNATION			HP-1A	HP-2A	HP-3A
OUTDOOR UNIT DESIGNATION		HP-1B	HP-2B	HP-3B	
OCATION	N		VARIOUS	VARIOUS	VARIOUS
MUMININ	COMBINED SEER R	ATING PER ARI	17.0	17.0	18.2
MUMININ	COMBINED EER RA	TING PER ARI	12.2	12.2	13.2
		TOTAL AIRFLOW (CFM)	1580	1580	800
		OUTSIDE AIRFLOW (CFM)	310	125	80
	5,45054705	EXTERNAL STATIC PRESSURE (IN-WC)	175	.6	.6
	EVAPORATOR	TOTAL COOLING CAPACITY (MBH)	47.5	47.5	25.2
NDOOR UNIT		HEAT PUMP HEATING CAPACITY AT 17° F (MBH)	29.2	29.2	14.4
		ELECTRIC HEATING CAPACITY (KW)	5.0	5.0	5.0
_		BLOWER MOTOR FLA (A)	9.1	9.1	4
		TOTAL MCA (A)	27	27	28
	ELECTRICAL	VOLTAGE	208	208	208
		PHASE	1	1	1
		FREQUENCY (Hz)	60	60	60
SASED ON	N		LENNOX	LENNOX	LENNOX
NDOOR U	JNIT MODEL		CBX32MV-048	CBX32MV-048	CBX32MV-024
REFRIGER	RANT		R-410A	R-410A	R-410A
	AMBIENT DESIGN	TEMPERATURE (DEG F)	95	95	95
		MINIMUM CIRCUIT AMPACITY (A)	28.5	28.5	14.9
⊨		MAXIMUM OVERCURRENT PROTECTION (A)	45	45	25
TINO		MINIMUM HEATING COP AT 17° F	2.5	2.5	2.62
OUTDOOR	FLEOTOLOAL	MINIMUM HEATING COP AT 47° F	3.32	3.32	3.78
Ę	ELECTRICAL	MINIMUM HEAT PUMP HSPF	8.7	8.7	9
7		VOLTAGE (V)	208	208	208
		PHASE	1	1	1
		FREQUENCY (Hz)	60	60	60
BASED ON	N		LENNOX	LENNOX	LENNOX
OUTDOOF	R SYSTEM MODEL		XP21-048-230	XP21-048-230	XP21-024-230
REMARKS	3		1, 2 & 3	1, 2 & 3	1, 2 & 3

ENE	RGY RECOVERY VENTILATO	R SCHEDULE
ESIGNATION		ERV-1
	TOTAL FAN AIRFLOW (CFM)	565
SUPPLY FAN	EXTERNAL STATIC PRESSURE (IN. WG)	.5
EVIIALIOT EAN	TOTAL FAN AIRFLOW (CFM)	400
EXHAUST FAN	EXTERNAL STATIC PRESSURE (IN. WG)	.5
	OPERATING OUTSIDE AIRFLOW	565
_	OPERATING EXHAUST AIRFLOW	400
ENTHALPY WHEEL	OUTDOOR EAT DB/WB (COOLING)	95/79
	OUTDOOR EAT DB/WB (HEATING)	20/16.6
	EXHAUST EAT DB/WB (COOLING)	75/63
	EXHAUST EAT DB/WB (HEATING)	70/53
	DELIVERED CONDITIONS DB/WB (COOLING)	82.2/69.5
	DELIVERED CONDITIONS DB/WB (HEATING)	48.8/41.1
	SUPPLY (MERV)	8
FILTERS	EXHAUST(MERV)	8
	MCA (A)	18.3
ELECTRICAL	MOCP (A)	25
IX	VOLTS (V)	115
:LEC	PHASE	1
ш	FREQUENCY (Hz)	60
ASED ON		GREENHECK
ODEL		MINIVENT-750
REMARKS:		1

1. PROVIDE FACTORY MOUNTED CONTROLS FOR UNITS INCLUDING ALL REQUIRED MOTOR STARTERS, PROVIDE FACTORY REMOTE PANEL INCLUDING INDICATION FOR DIRTY FILTER, HAND-OFF-AUTO

SWITCH, AND 7 DAY TIME CLOCK.

DESIGNATION	L-1
USAGE	EXHAUST
LOCATION	MECH ROOM
DESCRIPTION	DRAINABLE HEAD
DEPTH (IN)	6
FRAME TYPE	CHANNEL
WIDTH (IN)	16
HEIGHT (IN)	16
AIRFLOW (CFM)	400
FREE AREA (SF)	.62
FREE AREA VELOCITY (FPM)	641
PRESSURE DROP (IN H20)	.064
SELECTION BASE ON	GREENHECK
MODEL	ESD-603
REMARKS	

HOODED GRA	VITY
INTAKE SCHEI	DULE
DESIGNATION	HGI-1
USAGE	INTAKE
AIRFLOW (CFM)	565
STATIC PRESSURE (IN H2O)	.042
THROAT AREA (SF)	1.12
THROAT VELOCITY (FPM)	504
THROAT DIAMETER (IN)	14.25
SELECTION BASED ON	GREENHEC
MODEL	GRSI-15
REMARKS	1
REMARKS LEGEND:	
1. PROVIDE BIRD SCREEN.	

UNIT HEATER SCH	EDULE
DESIGNATION	UH-A
LOCATION	WELDING ROOM
AIRFLOW (CFM)	300
HEATING CAPACITY (KW)	3
ENTERING AIR TEMPERATURE (DEG F)	55
LEAVING AIR TEMPERATURE (DEG F)	87
MOTOR POWER (HP)	1/60
VOLTAGE (V)	208
PHASE	1
FREQUENCY (Hz)	60
BASED ON	INDEECO
 MODEL	ULI
REMARKS	1 & 2
REMARKS LEGEND	

REMARKS LEGEND

^{1.} PROVIDE UNIT MOUNTED THERMOSTAT. 2. PROVIDE INTEGRAL DISCONNECT.

AIR TERMINAL DEVICE SCHEDULE					
DESIGNATION	S1	S2	R1	R2	E1
TYPE	SUPPLY	SUPPLY	RETURN	RETURN	EXHAUST
NECK SIZE	A=6"	SEE PLANS	24x24	SEE PLANS	12x12
	B=8"				
	C=10"				
	D=12"				
FRAME STYLE	LAY-IN	SURFACE MOUNT	LAY-IN	SURFACE MOUNT	LAY-IN
AIR PATTERN	4 WAY	DOUBLE DEFLECTION		FIXED BLADE	
MAX NC RATING	20	20	20	20	20
MATERIAL	STEEL	STEEL	STEEL	STEEL	STEEL
FINISH	BAKED ENAMEL	BAKED ENAMEL	BAKED ENAMEL	BAKED ENAMEL	BAKED ENAMEL
BASED ON	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL	SCD	700 SERIES	81 SERIES	500 SERIES	81 SERIES

REMARKS LEGEND

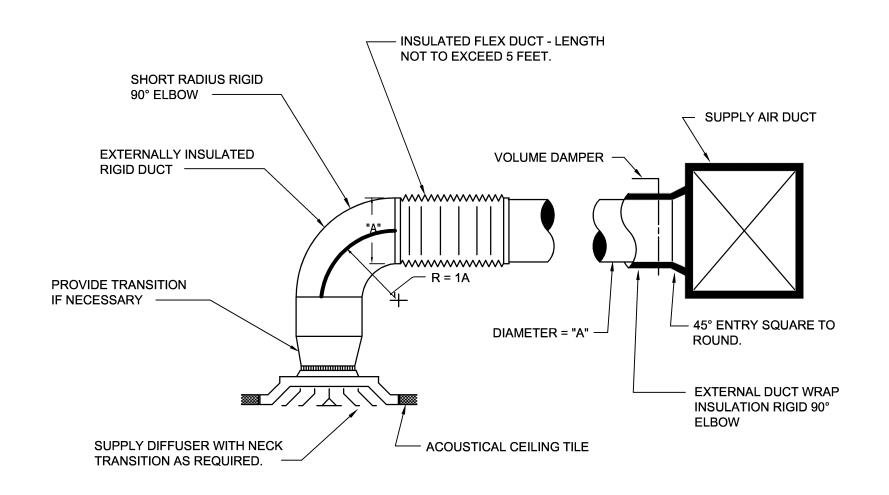
- 1. PROVIDE CONDENSING UNIT SHUTOFF MOISTURE SENSOR IN AUXILLARY PORT OF INDOOR UNIT DRAIN PAN.
- PROVIDE SIDE RETURN UNIT STAND.
- 3. PROVIDE ECM MOTOR ON INDOOR UNIT.

UNIT DRAIN PAN	UNIT DRAIN CONNECTION THREADED CAP SLOPE 1/2" PER 10' SEE DRAWINGS FOR ROUTING			
"A" = DIMENSION SHALL BE IN ACCORDANCE WITH MANUFACTURES				

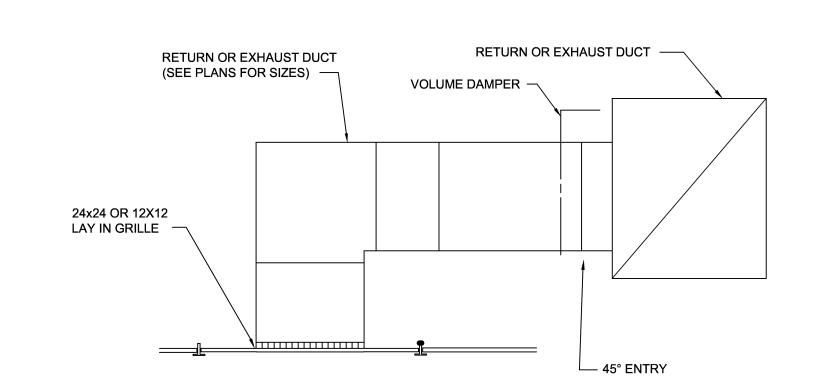
INSTRUCTIONS, MINIMUM OF 2 INCHES.

CONDENSATE DRAIN PIPE SIZE SHALL BE UNIT DRAIN CONNECTION SIZE

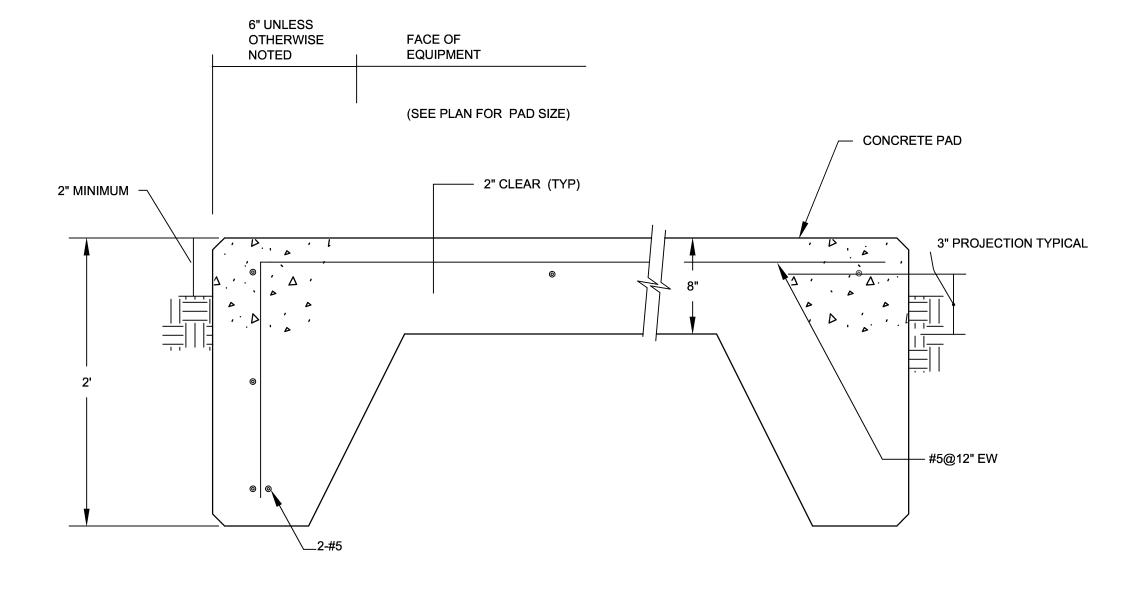
AC DRAIN FOR HEAT PUMP AIR HANDLER NEGATIVE PRESSURE DRAIN PAN NO SCALE



TYPICAL CEILING SUPPLY DIFFUSER CONNECTION SCALE: NONE



CEILING RETURN/EXHAUST GRILLE SCALE: NONE



EXTERIOR EQUIPMENT PAD DETAIL SCALE: NONE

BY MANUFACTURER — PROVIDE METAL FLASHING MECHANICAL EQUIPMENT; SEE MECHANICAL DRAWINGS —— - PROVIDE CONTINUOUS MASTIC SEALANT AROUND BASE PROVIDE METAL FLASHING-PROVIDE CONTINUOUS MASTIC SEALANT AROUND BASE — **EXISTING ROOF SHINGLES -EXISTING ROOF SHEATHING-EXISTING ROOF TRUSS—** - REMOVE EXISTING SHINGLES AND SHEATHING AS REQUIRED. PROVIDE ANGLE SUPPORT NOTE: ROOF MOUNTED MECHANICAL BETWEEN TRUSSES TO EQUIPMENT TO BE LOCATED BETWEEN SUPPORT ROOF MOUNTED EXISTING ROOF TRUSSES, SIZE MECHANICAL EQUIPMENT OPENING ACCORDING TO (4 SIDES) -MANUFACTURER'S INSTRUCTIONS.

> **ROOF PENETRATION DETAIL** SCALE: NONE

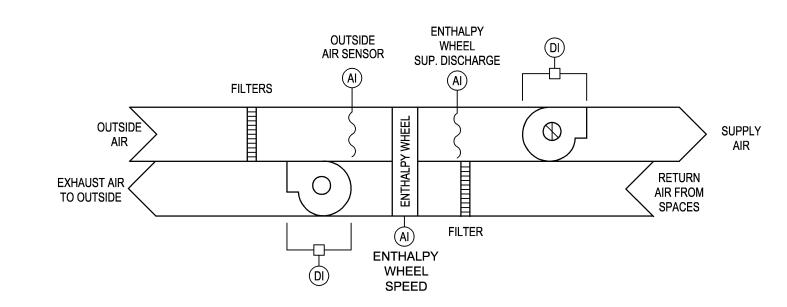
DIFFUSERS AND RETURN GRILLS TO FIT CEILING. PERFORATED FACE SUPPLY DIFFUSERS ARE NOT PERMITTED. — PULL EXISTING FLEXIBLE DUCT STRAIGHT AND SMOOTH, SECURE WITH BAND CLAMP PROVIDE INSULATED FLEXIBLE DUCT PROVIDE HARD ROUND ELBOW CONNECTOR — - INSULATE HARD DUCT ___ EXISTING PLASTER CEILING INSULATE BACKSIDE OF SUPPLY DIFFUSER PROVIDE 5/8" GYPSUM BOARD PATCH. FIT SNUGLY AROUND DUCT AND INSULATION. SEE

ENLARGE EXISTING PENETRATIONS IN CEILING TO ALIGN RUNOUTS

WITH NEW DIFFUSER/GRILL LOCATIONS. PROVIDE SUPPLY

MAXIMUM OFFSET OF 4", EXCEPT WHEN OBSTRUCTED BY TRUSS, MAX OFFSET=7"

> TYP. DUCT TAKE OFF DETAIL SCALE: NONE



ENERGRY RECOVERY VENTILATOR CONTROL DIAGRAM

SCALE: NONE SEQUENCE OF OPERATION:

DETAIL 3/E-501 FOR GYPSUM

INSTRUCTIONS. (8" DUCT WITH

2" INSULATION SHOULD HAVE

10" HOLE IN GYPSUM BOARD)

BOARD CEILING PATCH

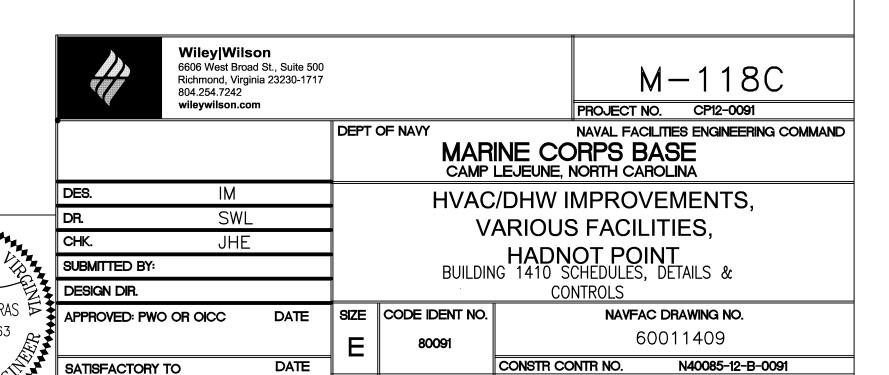
OFF AND THE WHEEL DOES NOT ROTATE.

DURING THE OCCUPIED MODE, THE ENERGY RECOVERY VENTILATOR SHALL RUN CONTINUOUSLY. DURING UNOCCUPIED MODE, THE UNIT WILL BE DISABLED WHERE THE SUPPLY AND EXHAUST FANS ARE

DURING OPERATION, DIFFERENTIAL PRESSURE SENSORS SHALL BE USED TO CONFIRM STATUS OF SUPPLY AND EXHAUST FANS. A TACHOMETER SHALL BE USED TO VERIFY WHEEL OPERATION. IF AT ANY TIME THE UNIT IS COMMANDED ON AND EITHER OF THESE THREE OPERATIONAL PIECES OF THE UNIT ARE NOT FUNCTIONING, THE ENTIRE UNIT SHALL BE SHUT DOWN AND AN ALARM SENT.

SPLIT SYSTEM HEAT PUMP SEQUENCE OF OPERATIONS

DURING THE OCCUPIED MODE, THE SPLIT SYSTEM AIR HANDLER FAN SHALL RUN CONTINUOUSLY TO SATISFY ROOM COMBINED THERMOSTAT AND HUMIDISTAT. THE SUPPLY AIR FAN ECM MOTOR SHALL REMAIN ON DURING OCCUPIED MODE AND THE SPEED SHALL MODULATE ACCORDING TO THE MANUFACTURER'S STANDARD SEQUENCE OF OPERATION TO CONTROL ROOM TEMPERATURE AND LIMIT HUMIDITY. IN THE HEATING MODE, THE THERMOSTAT SHALL NOT ENERGIZE THE AUXILIARY ELECTRIC HEAT IF THE HEAT PUMP MODE CAN MEET THE DEMAND, SUCH AS DURING WARM-UP FROM NIGHT SET BACK USING A SMART RECOVERY CAPABLE THERMOSTAT. FACTORY COMMUNICATING THERMOSTAT SHALL BE PROVIDED WITH 7 DAY PROGRAMMING TO ALLOW NIGHT/WEEKEND SET-BACK, COMMUNICATE ALI STANDARD MANUFACTURER'S ALARMS FROM THE UNITS TO THE THERMOSTAT, AND INDICATE DIRTY FILTER. THERMOSTAT SHALL INCLUDE DEHUMIDIFICATION CONTROL TO INTEGRATE WITH HEAT PUMP CONTROLLER TO REDUCE FAN SPEED TO INCREASE LATENT PERFORMANCE AND REDUCE INDOOR AIR HUMIDITY.

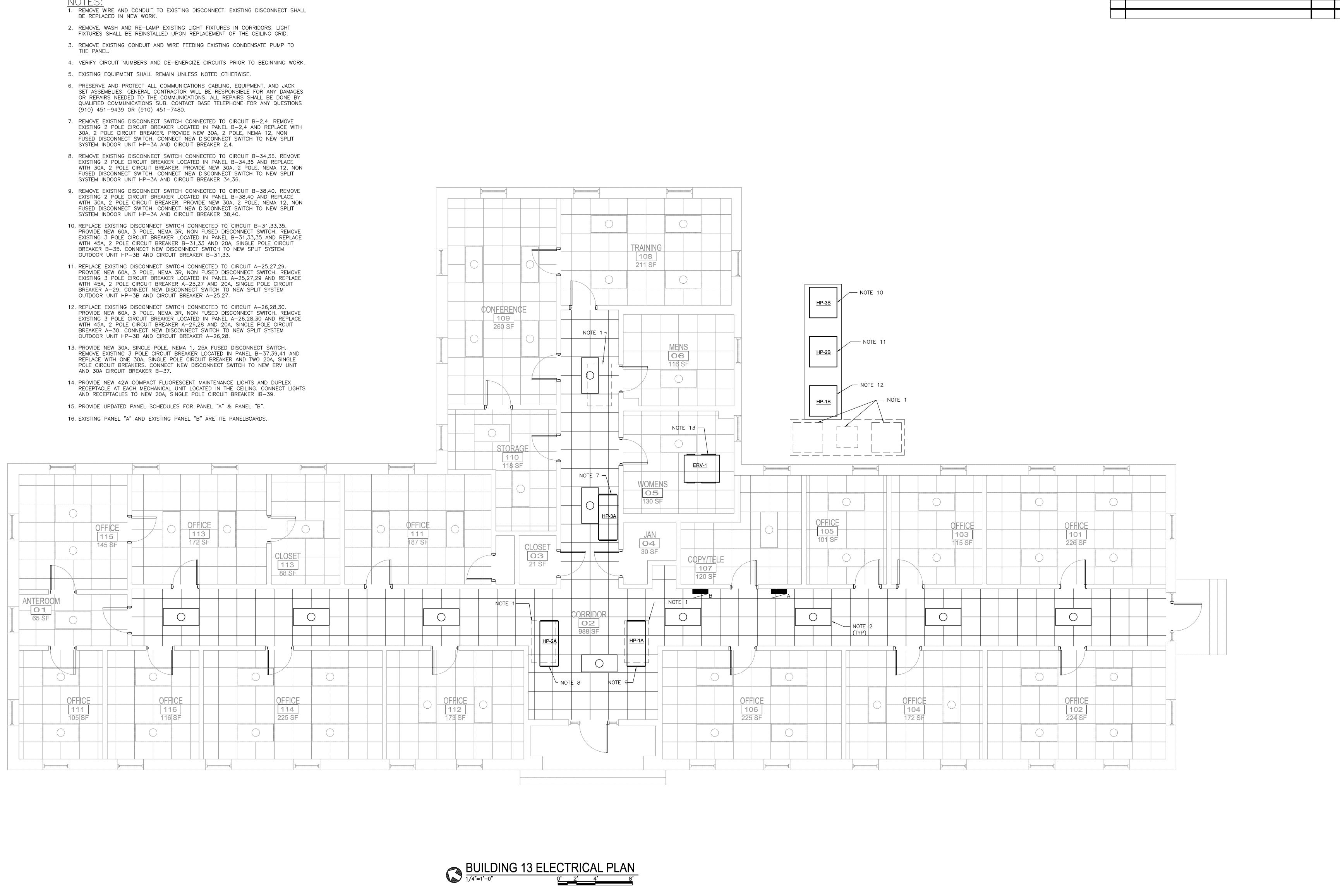


SCALE: AS SPEC No.

SHEET 65 OF 84

DISCLOSURE OF INFORMATION Contractor shall comply as follows:

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requests for authorization to release through the prime contractor to the Contracting Officer.

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MARINE CORPS BASE

CAMP LEJEUNE, NORTH CAROLINA BWY HVAC/DHW IMPROVEMENTS, BWY VARIOUS FACILITIES, JHE **HADNOT POINT** SUBMITTED BY: BUILDING 13 ELECTRICAL PLAN DESIGN DIR. DATE SIZE CODE IDENT NO. NAVFAC DRAWING NO. APPROVED: PWO OR OICC JOHN H. EPPERSON 60011410 DATE CONSTR CONTR NO. N40085-12-B-0091 SATISFACTORY TO SCALE: AS SPEC No. SHEET 66 OF 84

PREP'D BY DATE APPROVED

NOTE:

SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

NOTES:

1. REMOVE EXISTING CONDUIT, DEVICES AND WIRE TO EXISTING PANEL "A".

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, DEVICES AND WIRE FEEDING EXISTING CONDENSATE PUMP TO EXISTING PANEL "A" 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 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.

8. CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".

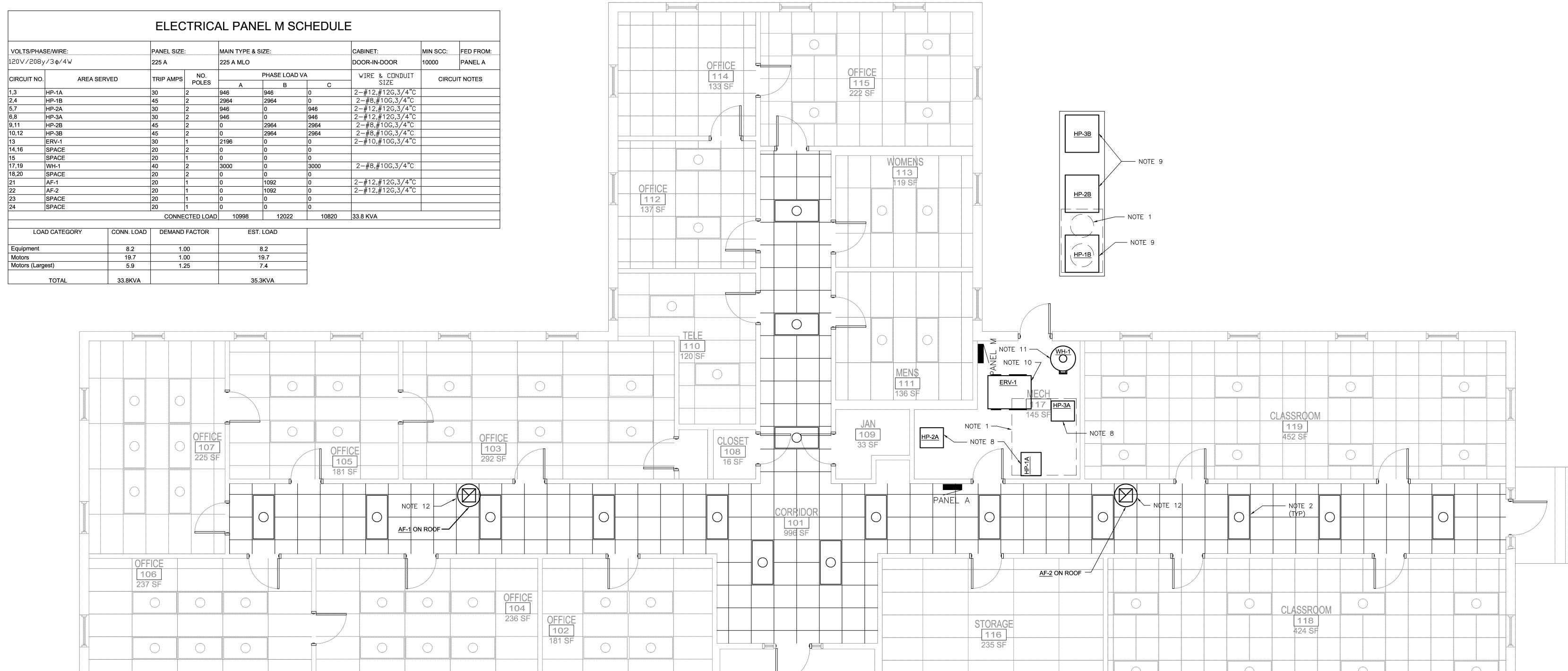
9. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 45A, 2 POLE CIRCUIT BREAKER IN PANEL "M".

10. CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".

11. CONNECT TO NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".

12. CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M"

13. PROVIDE UPDATED PANEL SCHEDULE FOR PANEL "A".





NOTE:

SEE SHEET E-501 FOR REFLECTED CEILING NOTES AND DETAILS

DISCLOSURE OF INFORMATION

Contractor shall comply as follows:

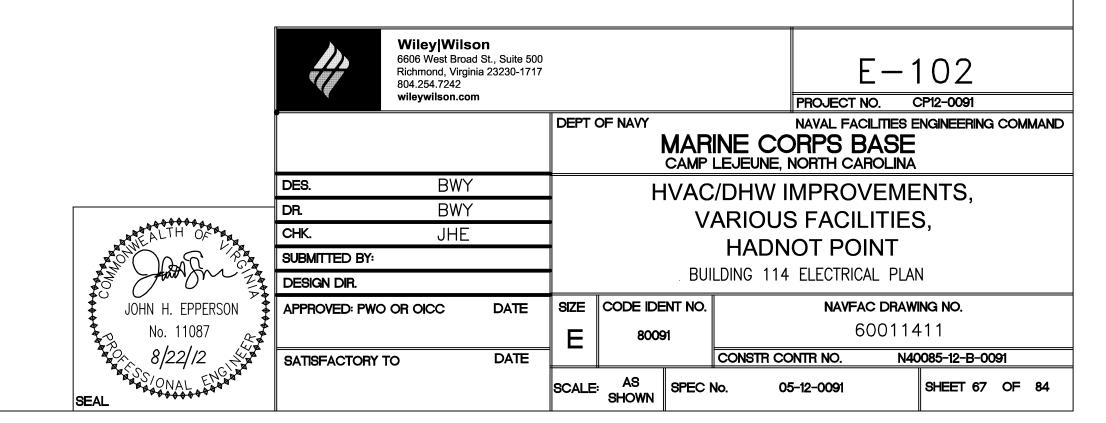
(a) The Contractor shall not release to anyone outside the Contractor's organization any unclassified information, regardless of medium (e.g., film, tape, document), pertaining to any part of this contract or any program related to this contract, unless-

medium (e.g., film, tape, document), pertaining to any part o (1) The Contracting Officer has given prior written approval; or

- The Contracting Officer has given prior written approval; or
 The information is otherwise in the public domain before the date of release.
- (2) I he 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.

 The Contractor agrees to include a similar requirement in each subcontract under this contract. Subcontractors shall submit

 The Contractor agrees to include a similar requirement in each subcontract under this contract. Subc requests for authorization to release through the prime contractor to the Contracting Officer.



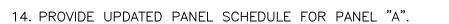
PREP'D BY DATE APPROVED

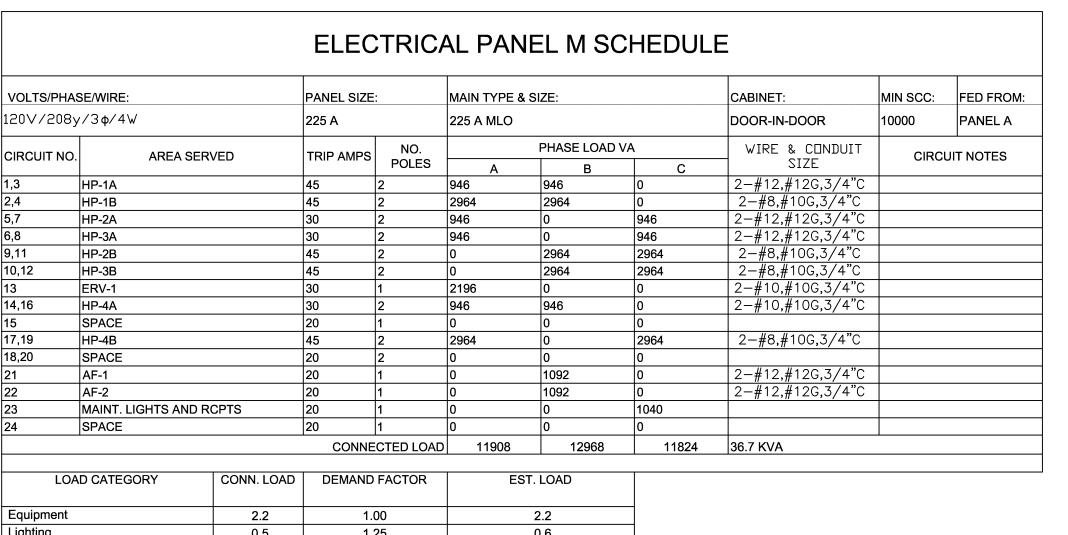
- 2. REMOVE, WASH AND RE-LAMP EXISTING LIGHT FIXTURES IN CORRIDORS. LIGHT FIXTURES SHALL BE REINSTALLED UPON REPLACEMENT OF THE CEILING GRID.

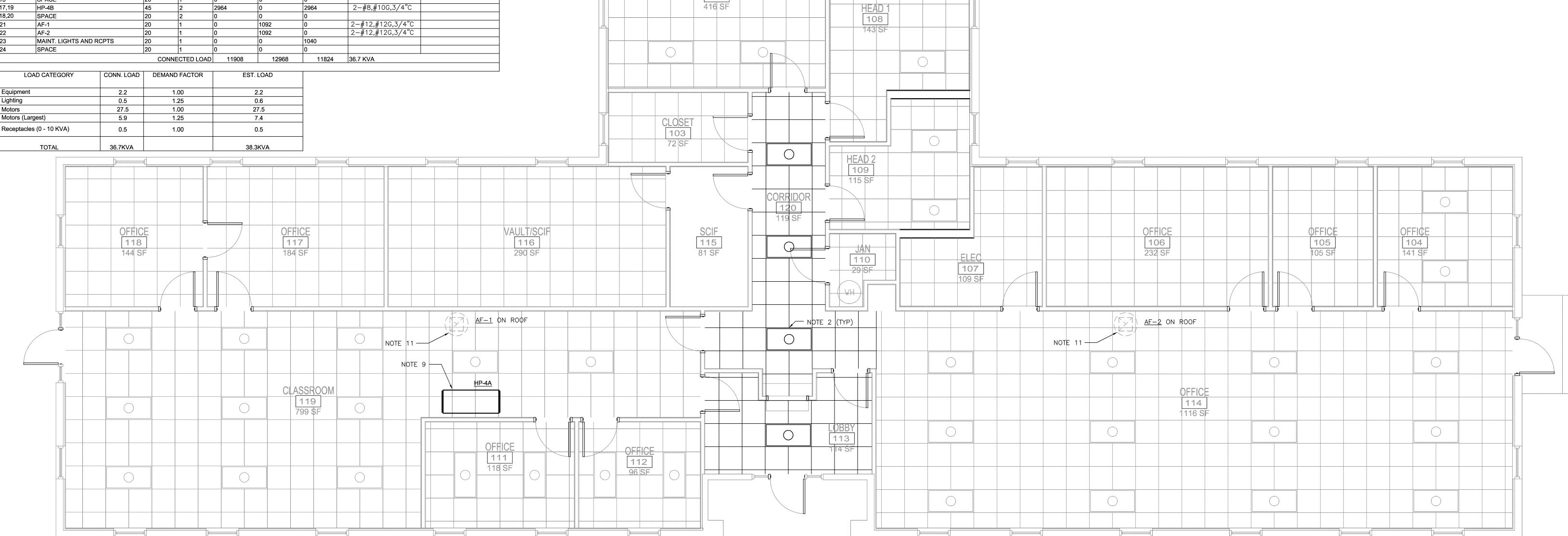
- 6. PRESERVE AND PROTECT ALL COMMUNICATIONS CABLING, EQUIPMENT, AND JACK SET ASSEMBLIES. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES OR REPAIRS NEEDED TO THE COMMUNICATIONS. ALL REPAIRS SHALL BE DONE BY QUALIFIED COMMUNICATIONS SUB. CONTACT BASE TELEPHONE FOR ANY QUESTIONS (910)
- 7. PROVIDE 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
- 8. CONNECT TO NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".

4-#3/0 AND 1-#6 GROUND IN 2" CONDUIT.

- 9. PROVIDE NEW 30A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM INDOOR UNIT AND NEW 30A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- 10. PROVIDE NEW 60A, 3 POLE, NEMA 3R, NON FUSED DISCONNECT SWITCH. CONNECT NEW DISCONNECT SWITCH TO NEW SPLIT SYSTEM OUTDOOR UNIT AND NEW 40A, 2 POLE CIRCUIT BREAKER IN PANEL "M".
- 11. CONNECT TO NEW 20A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M"
- 12. CONNECT TO NEW 30A, SINGLE POLE CIRCUIT BREAKER IN PANEL "M".
- 13. 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".







<u>HP-1B</u>

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NOTE 1 ——

<u>⊬P-2B</u>

<u>HP-3B</u>

- NOTE 8



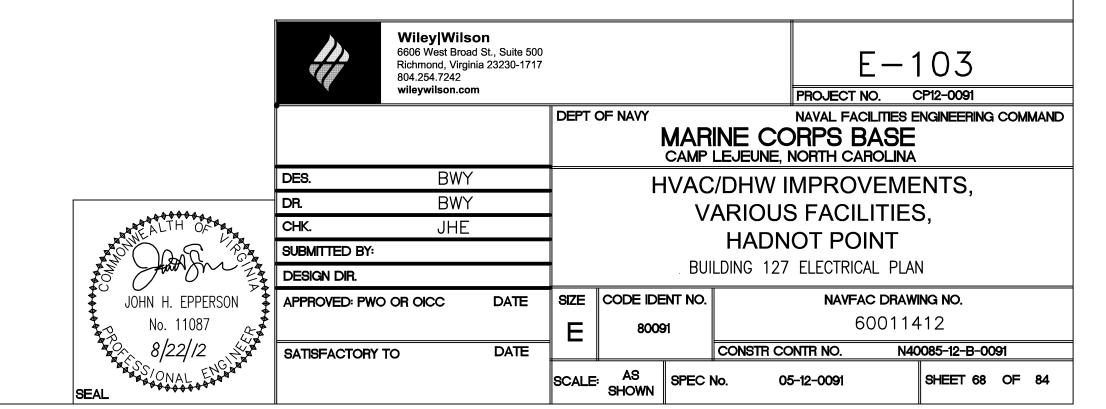
NOTE:

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.
- 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.



PREP'D BY DATE APPROVED