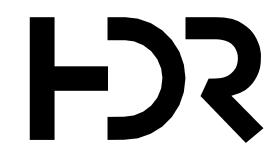


NORTH CAROLINA AIR NATIONAL GUARD REPLACE HVAC SYSTEMS BASE WIDE

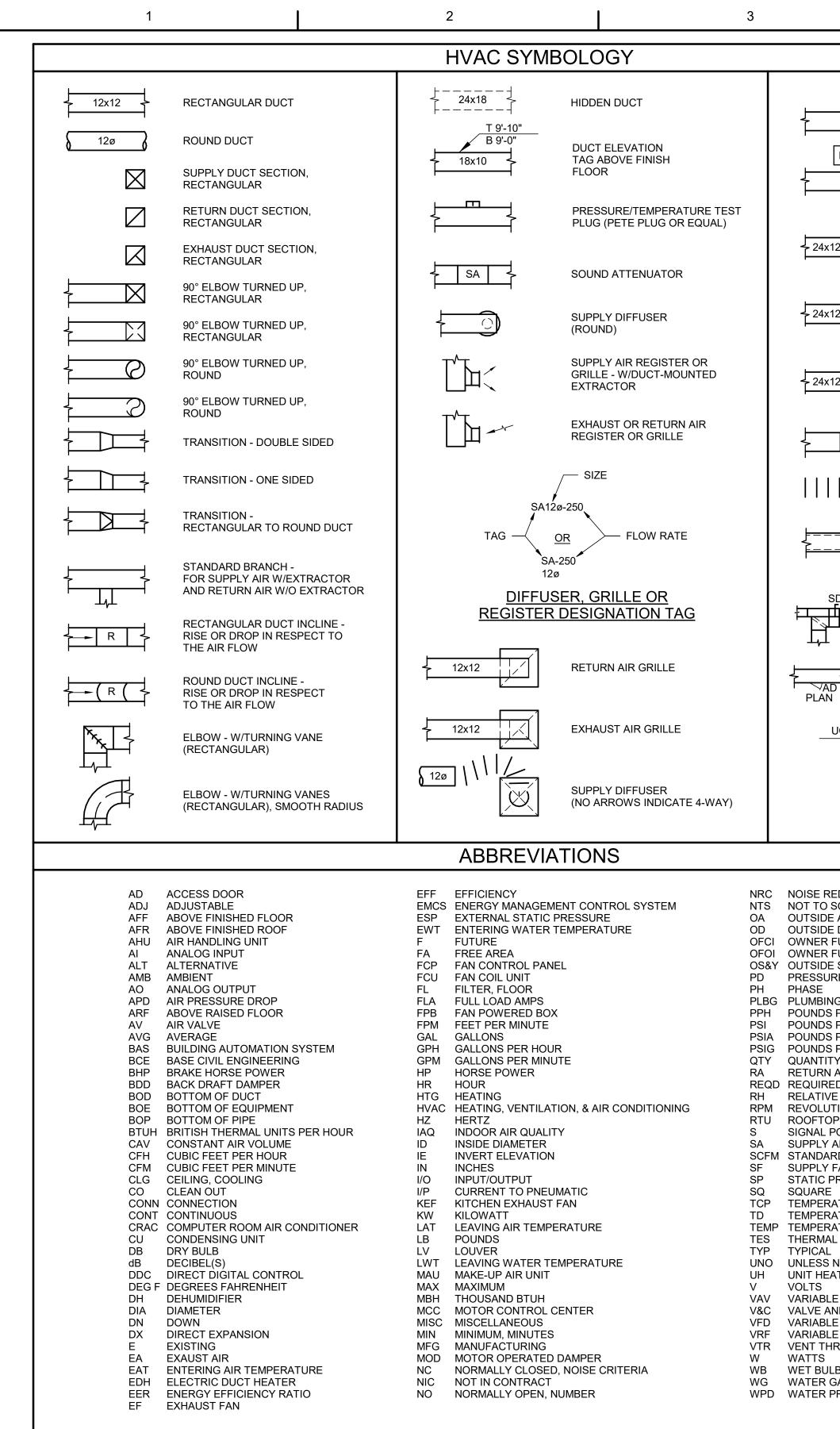
145th AIRLIFT WING NEW LONDON, NC

CONTRACT NO.: W9133L-15-D-0004 TASK ORDER NO.: W91242-18-F-0130 PN: WEFM142600

> **B-3 DESIGN SUBMISSION** FEBRUARY 2020



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01MD102	BUILDING 01 - ROOF MECHANICAL DEMOLITION PLAN
01M101	BUILDING 01 - FIRST FLOOR MECHANICAL PLAN
01M102	BUILDING 01 - ROOF MECHANICAL PLAN
03M101	BUILDING 03 - MECHANICAL PLAN
04M101	BUILDING 04 - MECHANICAL PLANS
06M101	BUILDING 06 - MECHANICAL PLAN
08MD101	BUILDING 08 - MECHANICAL DEMOLITION PLANS
08M101	BUILDING 08 - MECHANICAL PLANS
12MD101	BUILDING 12 - ROOF MECHANICAL DEMOLITION PLAN
12M101	BUILDING 12 - MECHANICAL PLANS
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77M101	BUILDING 77 - MECHANICAL PLAN
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99M001	MECHANICAL SCHEDULES
99M002	MECHANICAL SCHEDULES
99M003	MECHANICAL DETAILS
99M004	MECHANICAL DETAILS



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	FEB 2020	B-3 DESIGN SUBMITTAL	

	4		5			6
			PIPING		Pl	PING SPECIALTIES
	VD = VOLUME DAMPER BDD = BACKDRAFT DAMPER	RS REFRI	GERANT LIQUID GERANT SUCTION ENSATE DRAIN	-	PA PG	PIPE ANCHOR PIPE GUIDE
	MOTOR OPERATED DAMPER	PIPIN	NG FITTINGS			EXPANSION JOINT VENTURI
	FIRE DAMPER		N, 90° N, 90° TURN DOWN N, 90° TURN UP	-	T ^{₽Ţ} ئ	PRESSURE/TEMPERATURE POF
	SMOKE DAMPER	ା ମ୍ Elbov	N, 45° TURN DOWN N, 45° TURN UP	-	—∵ ⊘ t+	THERMOWELL PRESSURE GAGE
2	SMOKE AND FIRE DAMPER	CAP		-		TEMPERATURE GAGE
	FLEXIBLE CONNECTION	DEMOI	LITION NOTES	-	— 5 	STRAINER
<u>+</u>	FLEXIBLE DUCT ACOUSTICAL LINING - DUCT DIMENSIONS FOR NET	EXISTING MECHANICA INCLUDES CONDUCTIN PRIOR TO AND AFTER (MODIFICATIONS TO ME REQUIREMENTS, AND T	EMENT OF A PORTION OF THE AL EQUIPMENT. HVAC WORK IG A TEST AND BALANCE REPORT CONSTRUCTION, DUCTWORK ET THE RENOVATED SPACE/SYSTEMS THE ADDITION OF ANY OTHER			BLIND FLANGE MANUAL AIR VENT AUTOMATIC AIR VENT
{	FREE AREA	DRAWINGS.	IENTS REQUIRED AS INDICATED ON		SC	HEMATIC SYMBOL
	SPLITTER DAMPER	WORK, A CERTIFIED TE SUBMITTED TO THE EN REPORT SHALL INCLUE EXISTING AIR HANDLIN AND RECORD FROM TH	EST AND BALANCE REPORT SHALL BE IGINEER. THE TEST AND BALANCE DE THE FOLLOWING FROM THE IG UNIT TO BE REPLACED. MEASURE HE SUPPLY AIRFLOW FROM THE AHU, TE TO THE AHU, AND RETURN	-		MOTOR ACTUATOR FLOW SWITCH
	ACCESS DOOR	AIRFLOW RATES AS EX DEMOLITION OR AS INE	DJUSTED TO ACHIEVE THE MEASURED (ISTING EQUIPMENT PRIOR TO DICATED ON PLANS. WORK SHALL BALANCING DAMPERS WITHIN	-		PRESSURE SENSOR
	UNDERCUT DOOR 3/4" NEW CONNECTION TO	EXISTING OR NEW DUC SHEAVES NECESSARY RATES. AT POINT OF S	CTWORK, CHANGING BELTS AND TO THE AHU TO ACHIEVE AIRFLOW SUBSTANTIAL COMPLETION, "EST, ADJUST AND BALANCE THE	-	<u>[</u> [] []	
	EXISTING POINT OF DEMOLITION	ENGINEER INDICATING	A CERTIFIED REPORT TO THE 5 THE FOLLOWING: SUPPLY AIR FLOW DUTSIDE AIR FLOW TO THE NEW AHU, V FROM THE SPACE.	-		TEMPERATURE TRANSMITTER
EDUCTION COEFI		AS-BUILTS DRAWINGS WORK. EXISTING MEC	PARED IN PART BASED ON EXISTING AND NON-DESTRUCTIVE FIELD HANICAL DUCTWORK AND PIPING AND MAY NOT NECESSARILY	-		TEMPERATURE CONTROLLER
SCALE : AIR : DIAMETER FURNISHED CON'	TRACTOR INSTALLED	5. EXISTING MECHANICAL	L DUCTWORK AND PIPING NOT E RENOVATION IS NOT SHOWN AND	_	—⊠— Ţ	FLOW LIMITER FLOW MEASURING & BALANCIN W/ 100% SHUT OFF
FURNISHED OWN SCREW AND YO RE DROP			G CONDITIONS AND REPORT IE GOVERNMENT/ENGINEER BEFORE	1.		NSTALL ALL MECHANICAL SYSTEM
G PER HOUR PER SQUARE ING PER SQUARE ING PER SQUARE ING	CH ABSOLUTE	DEMOLITION SHALL BE CONTRACTOR AND SHA UNLESS OTHERWISE N	QUIPMENT BEING REMOVED UNDER COME THE PROPERTY OF THE ALL BE DISPOSED OF OFF SITE, IOTED. UNITS INDICATED FOR SPOSED OF AS RECYCLED		WITH THE UNIFI MECHANICAL CO CODES.	ED FACILITIES CRITERIA (UFC'S), DDE AND ALL OTHER APPLICABLE NSTALL ALL PLUMBING SYSTEMS I
'Y AIR ED E HUMIDITY FIONS PER MINUT	ΓE	MATERIALS AND SHALL REFER TO DIVISION 1 S INFORMATION AND TRA	A COLORING RECIDENCE OF A COLORING RECIPICATIONS FOR ADDITIONAL ACKING REQUIREMENTS.	3.	APPLICABLE ST	NATIONAL PLUMBING CODE AND A ATE AND LOCAL CODES. CUMENT DRAWINGS FOR MECHAN ATIC AND ARE INTENDED TO CON
P UNIT PORT AIR, SOUND ATTE RD CUBIC FEET P FAN, SQUARE FE PRESSURE	ER MINUTE	AND INSTRUCTIONS ON OF ALL REFRIGERANT. RESPONSIBILITY OF TH RESPONSIBLE FOR REC	N THE RECLAMATION AND DISPOSAL ALL DISPOSAL SHALL BE THE E GOVERNMENT. CONTRACTOR CLAIMING AND TRACKING (UNIT, S) AND COORDINATING WITH	4.	INSTALL ALL ME	NGEMENT ONLY. PLANS SHOULD CHANICAL AND PLUMBING EQUIP ES IN ACCORDANCE WITH MANUF TONS.
ATURE CONTROL ATURE DIFFEREN ATURE, TEMPOR/	ITIAL ARY	BCE/ENVIRONMENTAL I PROVIDE THE CONTRA	FOR TURNOVER. THE BCE WILL CTOR WITH CONTAINERS FOR ANT WHICH WILL BE TURNED OVER		WORK. COORDI	ARANCES BEFORE FABRICATING NATE WITH ALL OTHER TRADES.
L ENERGY STOR/ NOTED OTHERW ATER		WITH NEW EQUIPMENT ELECTRICAL REQUIREN	MENT/COMPONENTS TO BE REPLACED F/COMPONENT OF LIKE OR SIMILAR MENTS. NEW INTS SHALL BE CONNECTED TO THE	D	ALLOWABLE ALT THE RESPONSIE	TERNATES, WHILE EQUAL IN OUT BILITY OF THE CONTRACTOR TO M S AND PROVE EQUALITY WITH DES
E AIR VOLUME ND CAP E FREQUENCY DI E REFRIGERANT ROUGH ROOF		EXISTING CIRCUIT AND DEMOLITION. REFER T FURTHER CLARIFICATIO	DISCONNECT REMAINING AFTER		CERTIFIED DRAV PIPING TRANSIT TO FURNISHED	LL EQUIPMENT CONNECTIONS WI WINGS. COORDINATE AND PROVII IONS REQUIRED FOR FINAL EQUI EQUIPMENT. FIELD VERIFY AND C IENSIONS BEFORE FABRICATION.
.B GAUGE PRESSURE DROP		DEVICES THAT ARE NO	TED TO BE REMOVED. WIRE AND VED BACK TO THE FIRST TERMINATIO	IN	NFPA 70. IF WHI	VIRE AND CONDUIT SHALL COMPL P/LIQUID TIGHT/CONDUIT AND CC NG DEMO, CONTRACTOR SHALL F
DESIGNED	GER N. OVERBY D BY: D. WORLEY I BY: D. WORLEY	TH CARO				EPLACE HVAC SY

M. DIMOFF
W91242-18-F-0130
WEFM142600
10137117





BASE WIDE - STAN

NC AIR NATIONAL 145TH AIRLIFT WING NEW LONDON, NC

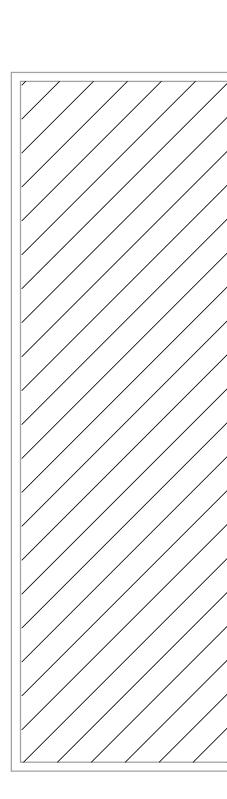
I		7			8	3	
S		AIR FLOV TEMPEF			-		
			AM SYM				
	C C	CHILLED WATER COOLING COIL	FB	-	FACE & BYPASS CO	DIL	
)RT	H c	HOT WATER HEATING COIL	\bigcup_{\bullet}		GAS-FIRED DUCT FURI		
	EP R	DIRECT EVAPORATIVE COOLER	VFD		/FD (VARIA FREQUENC		
		DIRECT EXPANSION COOLING COIL	CAV	/ \	CONSTANT /OLUME BO REHEAT CO	DX WITH	
	EH	ELECTRIC HEATING COIL	VAV	/ \	/ARIABLE / /OLUME BO REHEAT CO	DX WITH	
	EF	EXHAUST FAN			ଚ		
	SF	SUPPLY FAN		\sum		SMOKE/DUCT DETECTOR	
	GAS	GAS ELECTRIC			T	DETECTOR	
	AI	ANALOG INPUT				TEMPERATURE SENSOR	
LS	AO DI	ANALOG OUTPUT DIGITAL INPUT			RZ		
		DIGITAL OUTPUT				FREEZE STAT	
	CT STARTER	CURRENT TRANSMIT	TER		\gg	FILTER SENSOR	
	VFD					MOTORIZED	
NSOR	HP DX	DIRECT EXPANSION PUMP DIRECT EXPANSION	HEAI			OPPOSED BLADE DAMPER	
R		MOTOR				GRAVITY DAMPER	
	T H	THERMOSTAT HUMIDISTAT					
		CARBON MONOXIDE				CO2 SENSOR	
	S	SMOKE DETECTOR					
NG VALVE	NG P	NATURAL GAS DETE		\sum		LOUVER	E
GE	ENERAL	NOTES					
MS IN ACCORDANCE), 2018 NORTH CARO E STATE AND LOCAL	LINA AS _ OT	L MISCELLANEOUS STE SHOWN IN DETAILS FO HERWISE NOTED) SHAI	R PIPING, DUC	TWORK, A	ND EQUIP	MENT (UNLESS	
S IN ACCORDANCE W	/ITH 10. PF	ONTRACTOR. ROVIDE ACCESS PANELS EILINGS, WHERE REQUIF					
NICAL WORK (HVAC	VA ME) CC	LVES, DUCTWORK, SMC ECHANICAL EQUIPMENT DORDINATED WITH PRO	DKE DETECTOR . ACCESS PANE CESS REQUIRE	S, AND OT	THER CON	CEALED IALL BE	
NVEY SCOPE AND D NOT BE SCALED. PMENT AND	11. AL	ATCH MATERIALS AND F L DUCTWORK, PIPING, <i>i</i> EEL SHALL BE COORDII	AND EQUIPMEN				
FACTURERS'	ST OF	ELL SHALL BE COORDINE EEL BAR JOISTS, TRUS AS SHOWN ON THE ME AM CLAMPS MEETING N	SES, OR JOIST ECHANICAL ANE	GIRDERS	SHALL BE TURAL DR	AT PANEL POINTS AWINGS. PROVIDE	
G AND INSTALLING	12. PF	IALL NOT BE PERMITTEI	ECTIONS IN ALL				
IFG. EQUIPMENT. TPUT CAPACITY WIL MEET THE SPACE ESIGN MFG. EQUIPM	L BE VI	ONNECTED TO FANS, PU BRATION ISOLATION. ONTRACTOR SHALL BE F					
/ITH MANUFACTURE /IDE ALL DUCT AND	R'S CC LIN	ID COOLING OF AFFECT DNSTRUCTION. CONTRA MITED TO, THE FOLLOW	ACTOR RESPON	NSIBILITIES	S TO INCLU CONNECT	IDE, BUT NOT ON, AND	
JIPMENT CONNECTIO COORDINATE ALL D I.	OUCT SY RE	SCONNECTION OF THE STEMS SHALL BE PROV SPONSIBLE FOR EXTEN VE PRE-CONSTRUCTIO	IDED BY THE G	OVERNME S AS REQU	ent, cont Jired. co	RACTOR NTRACTOR SHALL	
PLY WITH THE UFC'S ONDUCTOR ARE . REPLACE WITH NEV	AND ME AF	EANS OF PROVIDING TE PROVAL OF PLAN PRIO	MPORARY COO R TO STARTING	LING AND G CONSTR	HEATING UCTION. D	TO OBTAIN EMOLITION OF	
	SY	PLACE AND THE COR H 'STEMS. CONTRACTOR IAT DOWNTIME IS MINIM	SHALL COMPLE				
YSTEMS	STAN	LY COUNTY					
NLY CO.		SIANL	Y COUN		IKPUI	Χ Ι	
GUARD	GENE	RAL NOTES,		DS, Al	ND AE		NS
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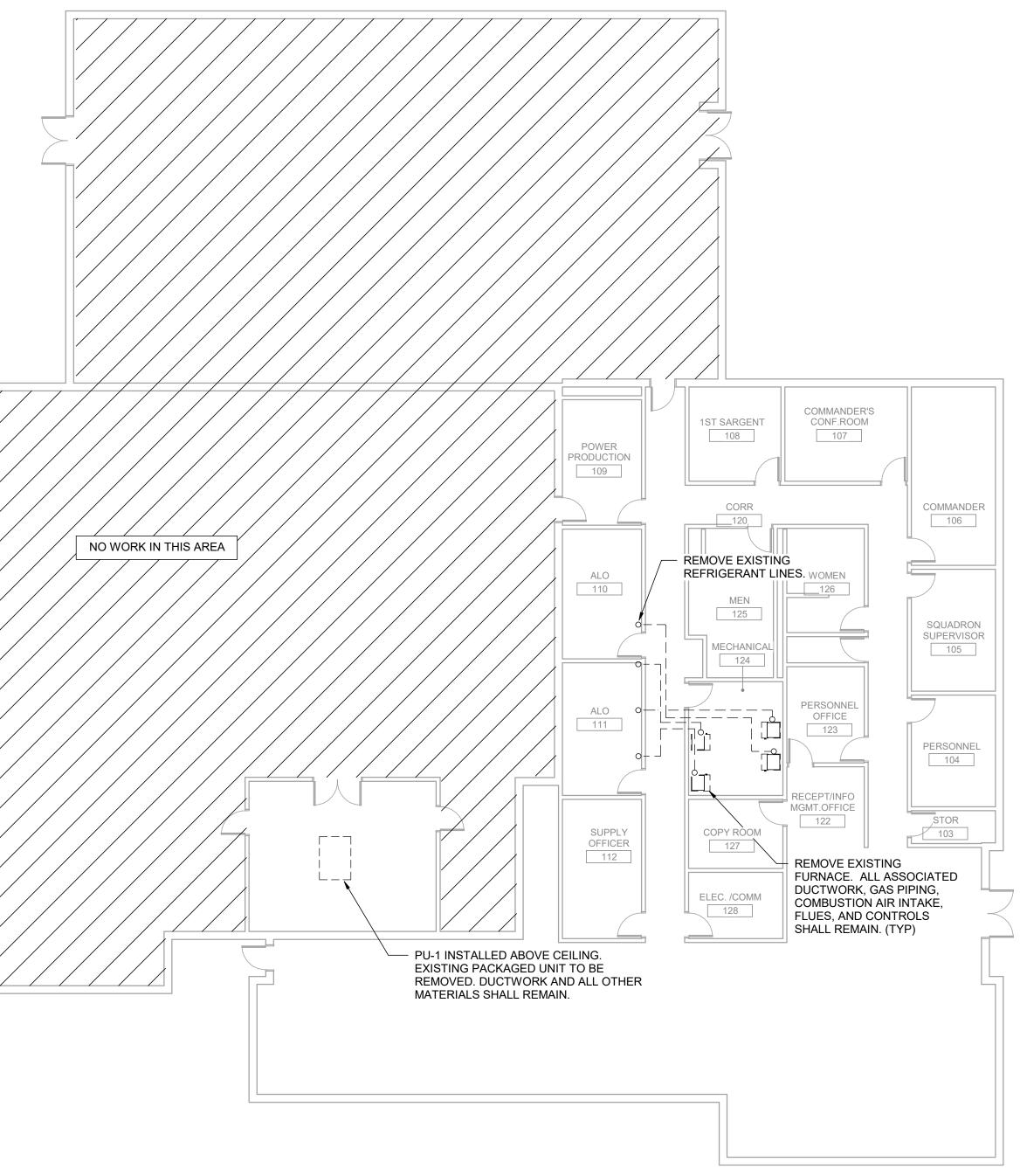
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UE	DATE	DESCRIPTION	
	FEB 2020	B-3 DESIGN SUBMITTAL	



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PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC

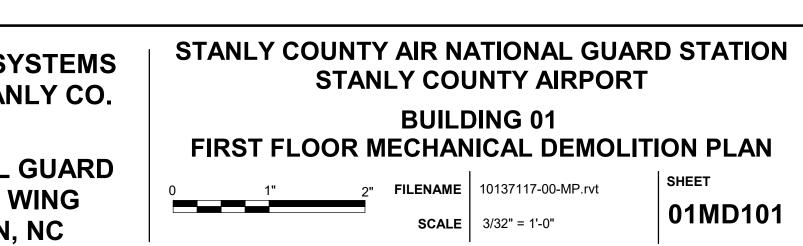


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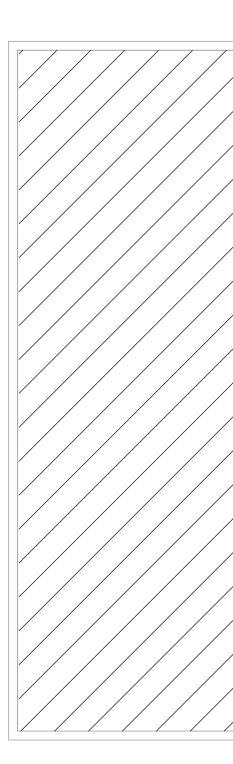
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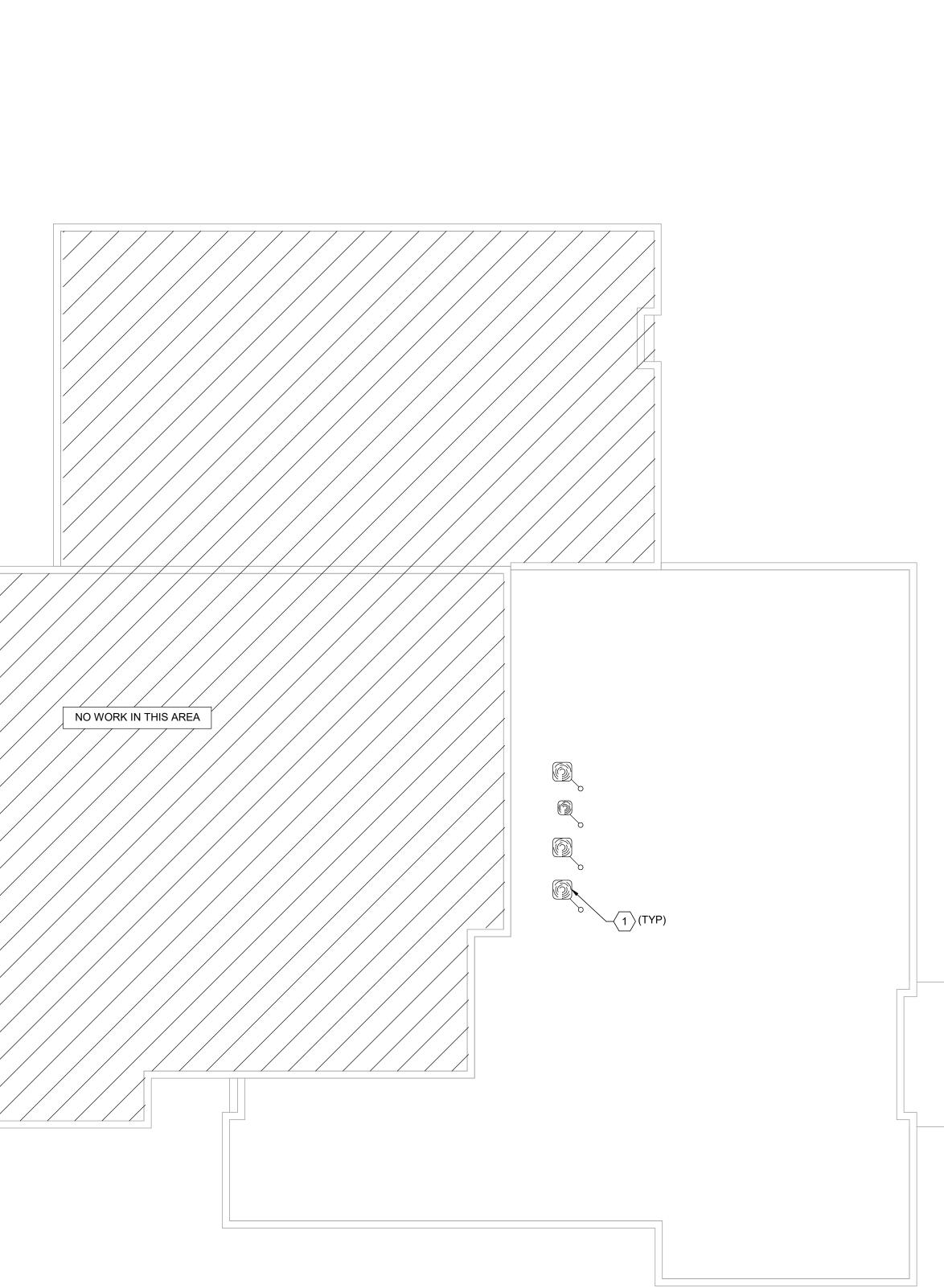


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ISSUE	DATE	DESCRIPTION	
	FEB 2020	B-3 DESIGN SUBMITTAL	



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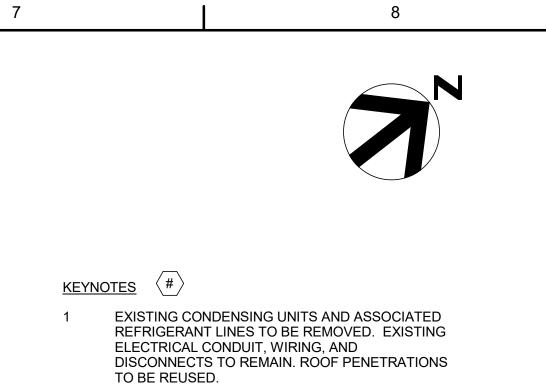
PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

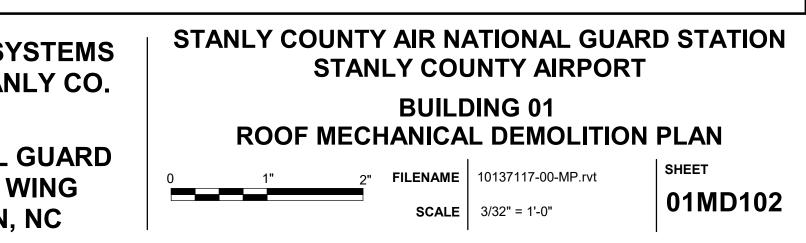
NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC



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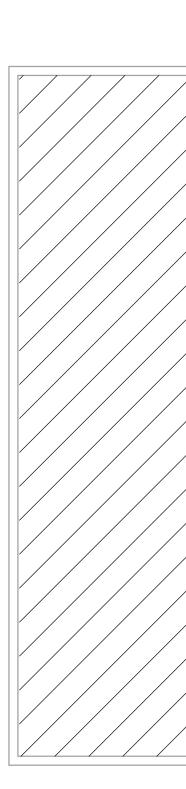
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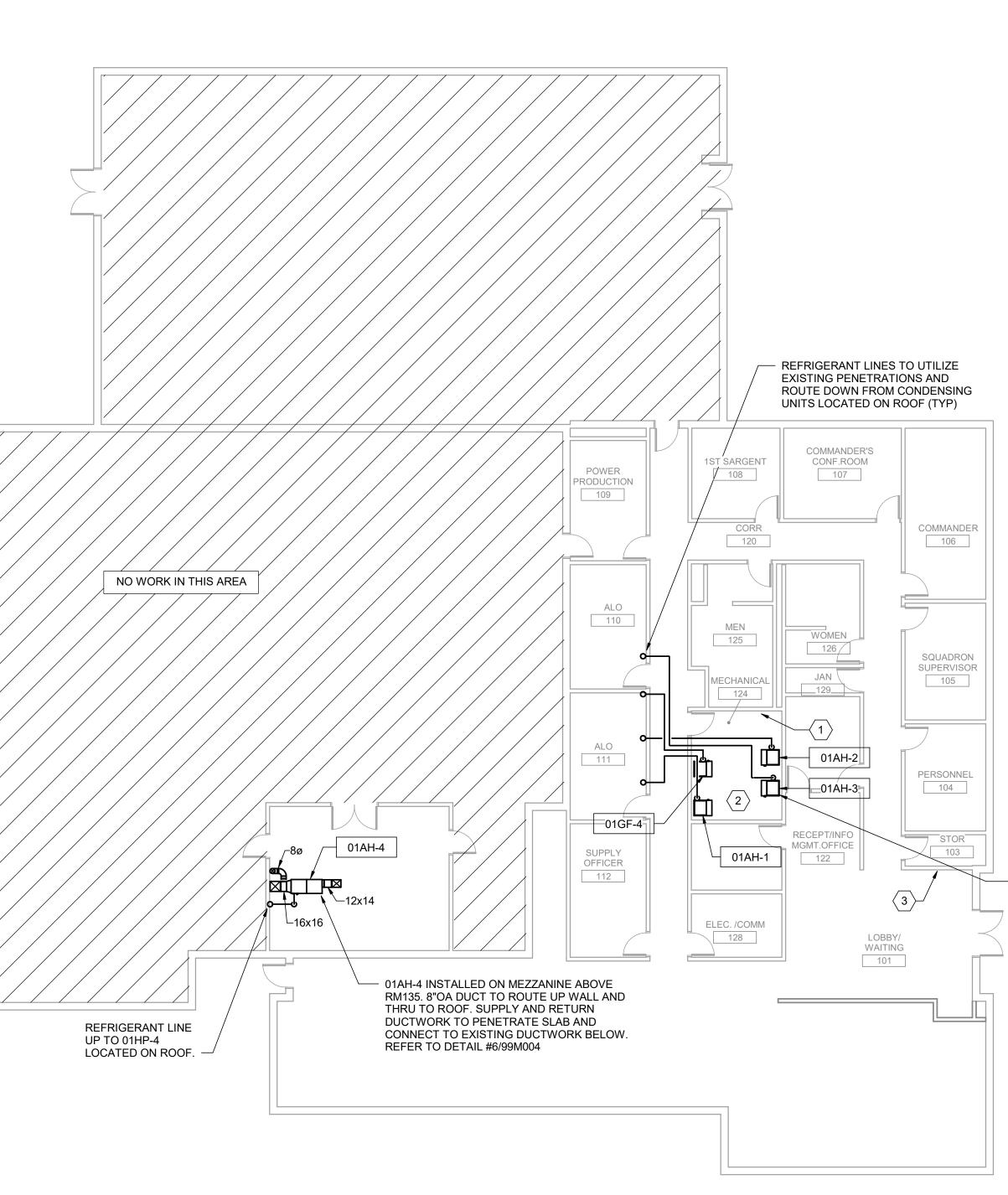




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ISSUE	DATE	DESCRIPTION	
	FEB 2020	B-3 DESIGN SUBMITTAL	





PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
	•





REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



KEYNOTES

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7

- BAS CONTROLLER (ALERTON MODEL: ACM). ALL NEW AND EXISTING MECHANICAL EQUIPMENT SHALL BE TIED IN AND VISIBLE ON THE EXISTING FRONT END.
- SMART METER ON EXISTING PROPANE SERVICE. 2 COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
- PROVIDE EMERGENCY HVAC SHUTOFF SWITCH IN ACCORDANCE WITH SECTION 3-19, UFC 4-010-011 "STANDARD 18". SWITCH TO BE LOCATED WITHIN THE BUILDING AND VISIBLE TO ALL OCCUPANTS. COORDINATE FINAL LOCATION OF SWITCH WITH GOVERNMENT. EMERGENCY SHUTOFF SWITCH SHALL BE TIED INTO BUILDING BAS CONTROLLER/ROUTER AND INITIATE SHUT DOWN OF ALL HVAC EQUIPMENT AND CLOSURE OF ALL OUTSIDE AIR DAMPERS/LOUVERS WITHIN 30 SECONDS OF ACTIVATION. REFER TO DETAIL #4/99M004 FOR MORE INFORMATION. IF EMERGENCY SHUT-OFF SWITCH IS ALREADY PRESENT WITHIN THE BUILDING, COORDINATE WITH GOVERNMENT TO ENSURE PROPER FUNCTION AND THAT SWITCH IS CURRENTLY TIED TO THE FRONT END FOR VISIBILITY AND CONTROL WITHIN THE BAS. NOTIFY GOVERNMENT/COR OF EXISTING CONDITIONS AND CURRENT OPERATION.

 LOCATE FURNACES IN SAME LOCATION AS DEMOLISHED AND CONNECT BACK TO EXISTING DUCTWORK, GAS PIPE, COMBUSTION AIR INTAKE, FLUE, CONDENSATE AND CONTROLS. PROVIDE FLEXIBLE CONNECTION BETWEEN GAS FURNACE AND DUCTWORK. PROVIDE TRANSITION AS REQUIRED FOR CONNECTION TO EXISTING DUCTWORK (TYP)

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FIRST FLOOR MECHANICAL PLAN SHEET **FILENAME** 10137117-00-MP.rvt

SCALE 3/32" = 1'-0"

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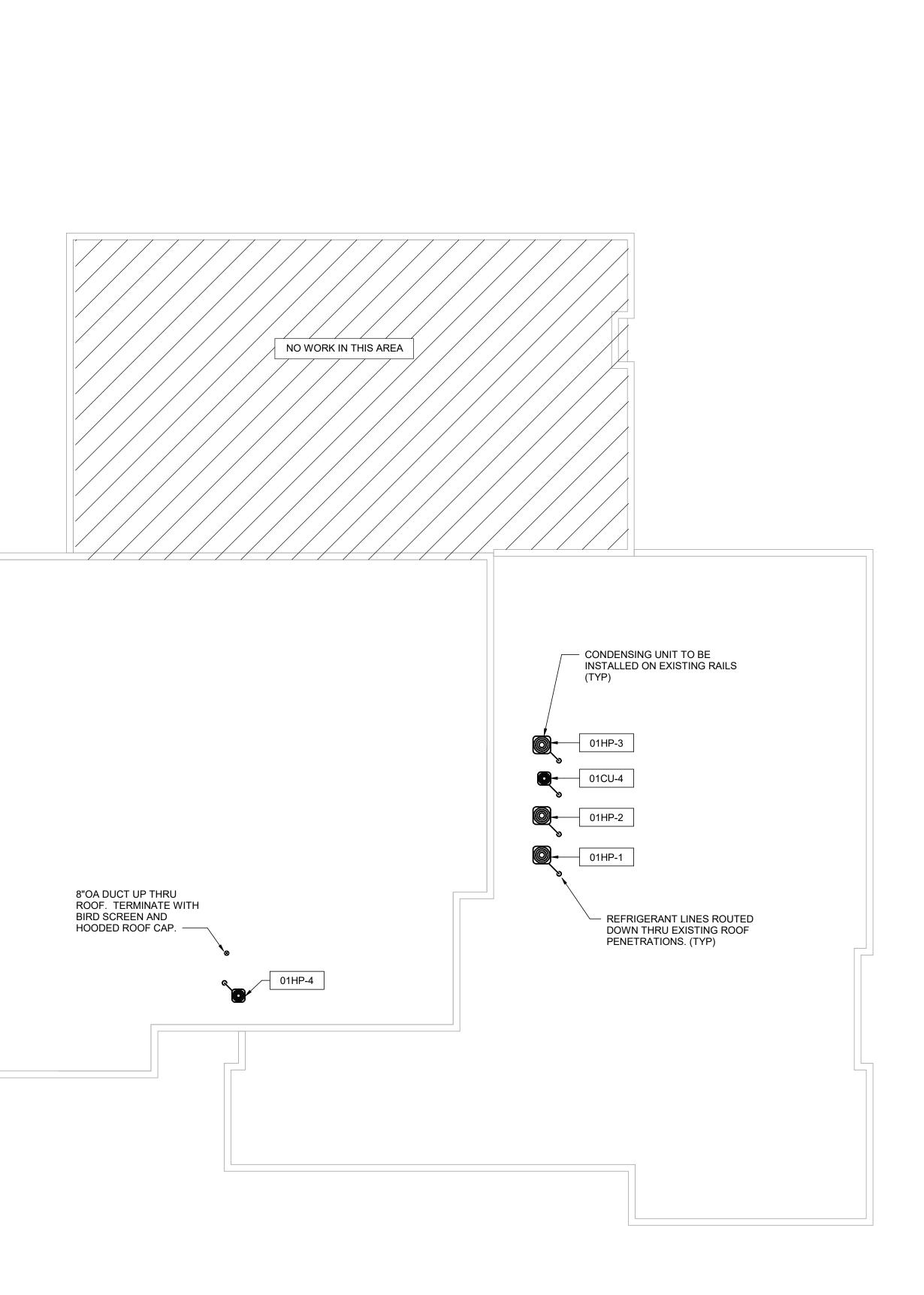
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FEB 2020	
DATE	I

B-3 DESIGN SUBMITTAL
DESCRIPTION

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2



PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC



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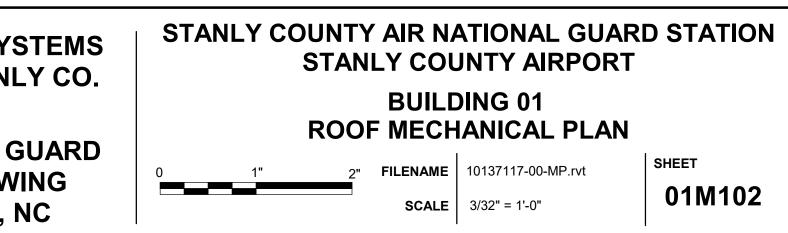
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GENERAL NOTE:

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A. ALL ROOF WORK AND PENETRATIONS SHALL BE EXECUTED BY A CERTIFIED ROOFER WITH THE APPROVAL OF THE GOVERNMENT/COR.



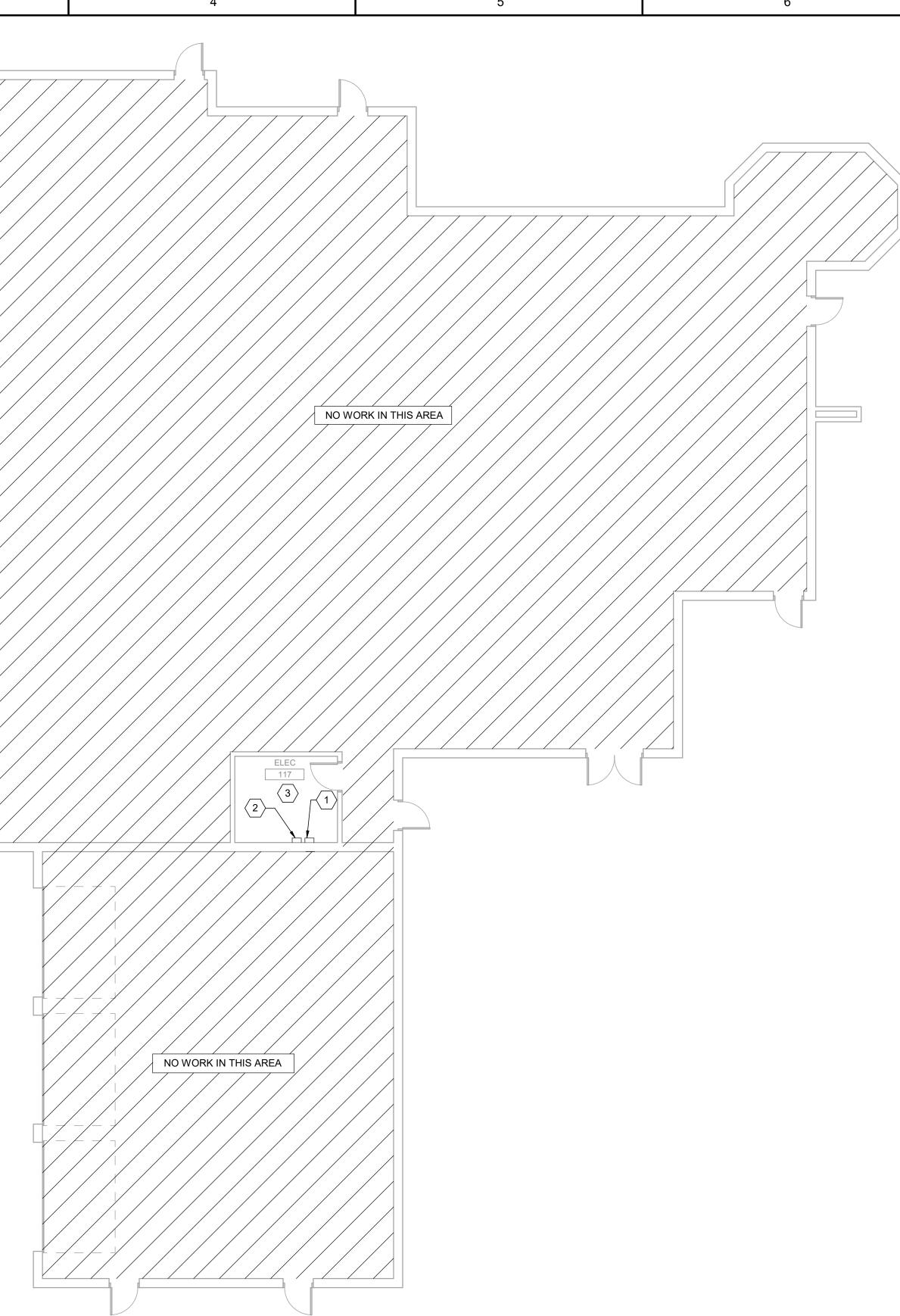
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AIR NAME (U)	HU -		FEB 2020	B-3 DESIGN SUBMITTAL	

DESCRIPTION

ISSUE

DATE





PROJECT MANAGER N. OVERBY DESIGNED BY: D. WORLEY DRAWN BY: D. WORLEY CHECKED BY: M. DIMOFF CONTRACT #: W91242-18-F-0130 ANG PROJECT #: WEFM142600 HDR PROJECT #: 10137117





REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



<u>KEYNOTES</u>

7

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STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT BUILDING 03 MECHANICAL PLAN SHEET FILENAME 10137117-00-MP.rvt

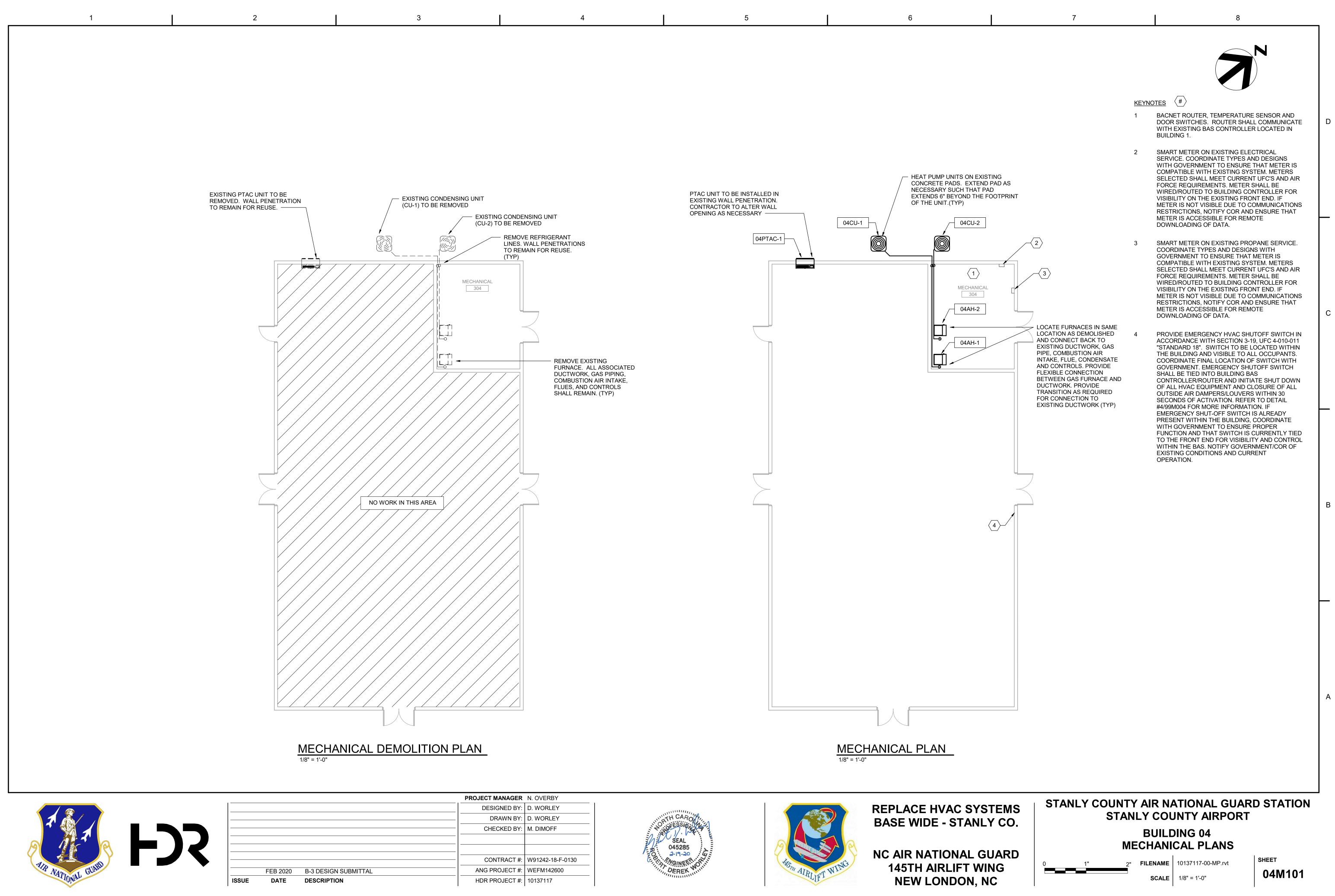
SCALE 1/8" = 1'-0"

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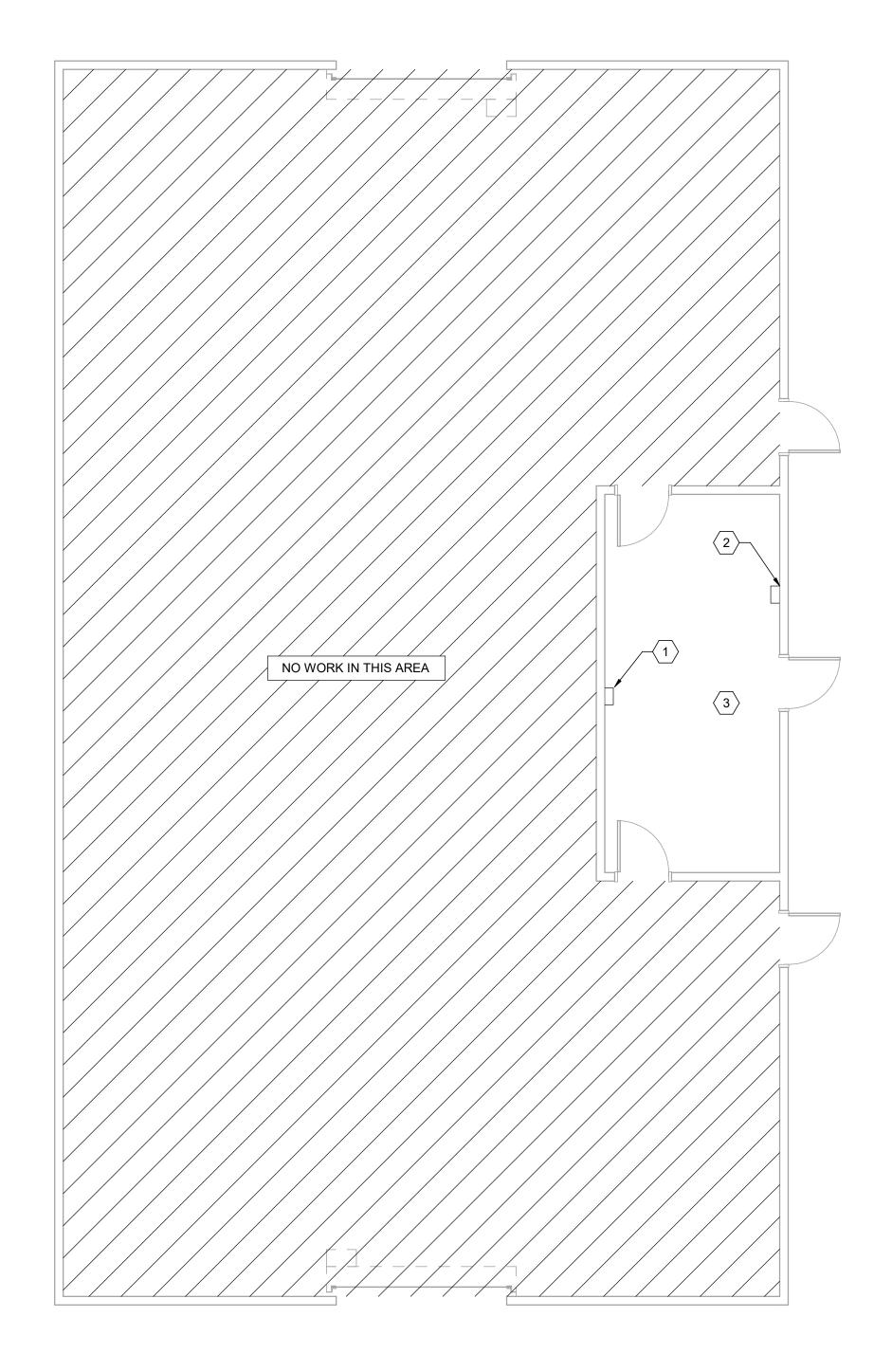


CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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		DECODIDITION	
	FEB 2020	B-3 DESIGN SUBMITTAL	

2



PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**





KEYNOTES (#)

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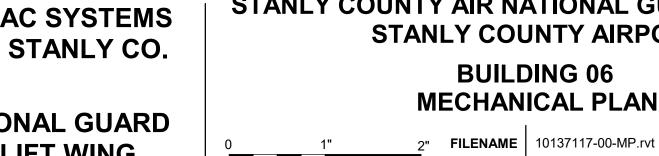
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SMART METER ON EXISTING ELECTRICAL SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.

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STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT BUILDING 06 MECHANICAL PLAN SHEET

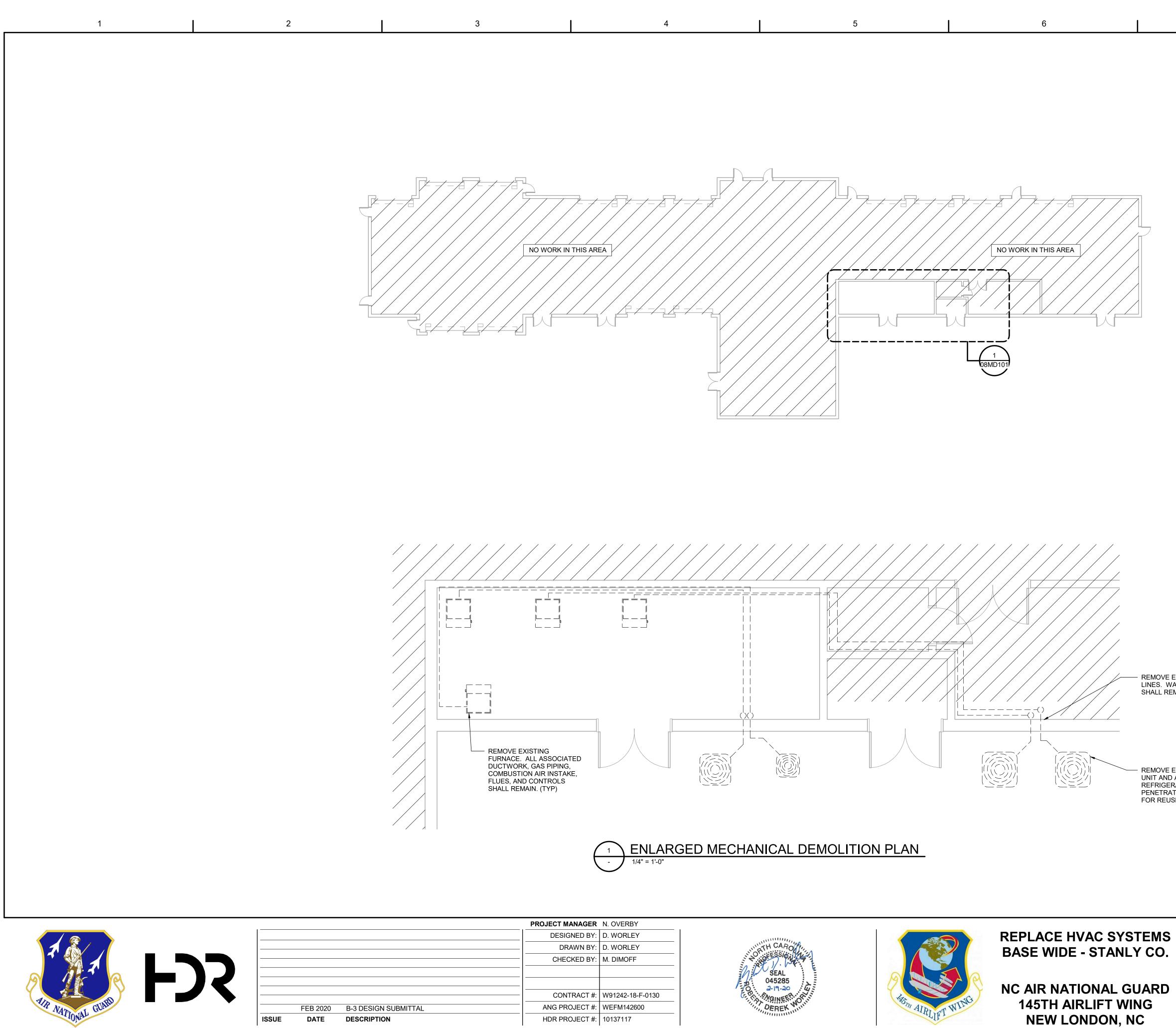
SCALE 3/16" = 1'-0"

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DATE	DESCRIPTION
FEB 2020	B-3 DESIGN SUBMI

PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REMOVE EXISTING REFRIGERANT LINES. WALL PENETRATION SHALL REMAIN FOR REUSE. (TYP)

REMOVE EXISTING CONDENSING UNIT AND ASSOCIATED REFRIGERANT LINES. WALL
 PENETRATION SHALL REMAIN FOR REUSE. (TYP)

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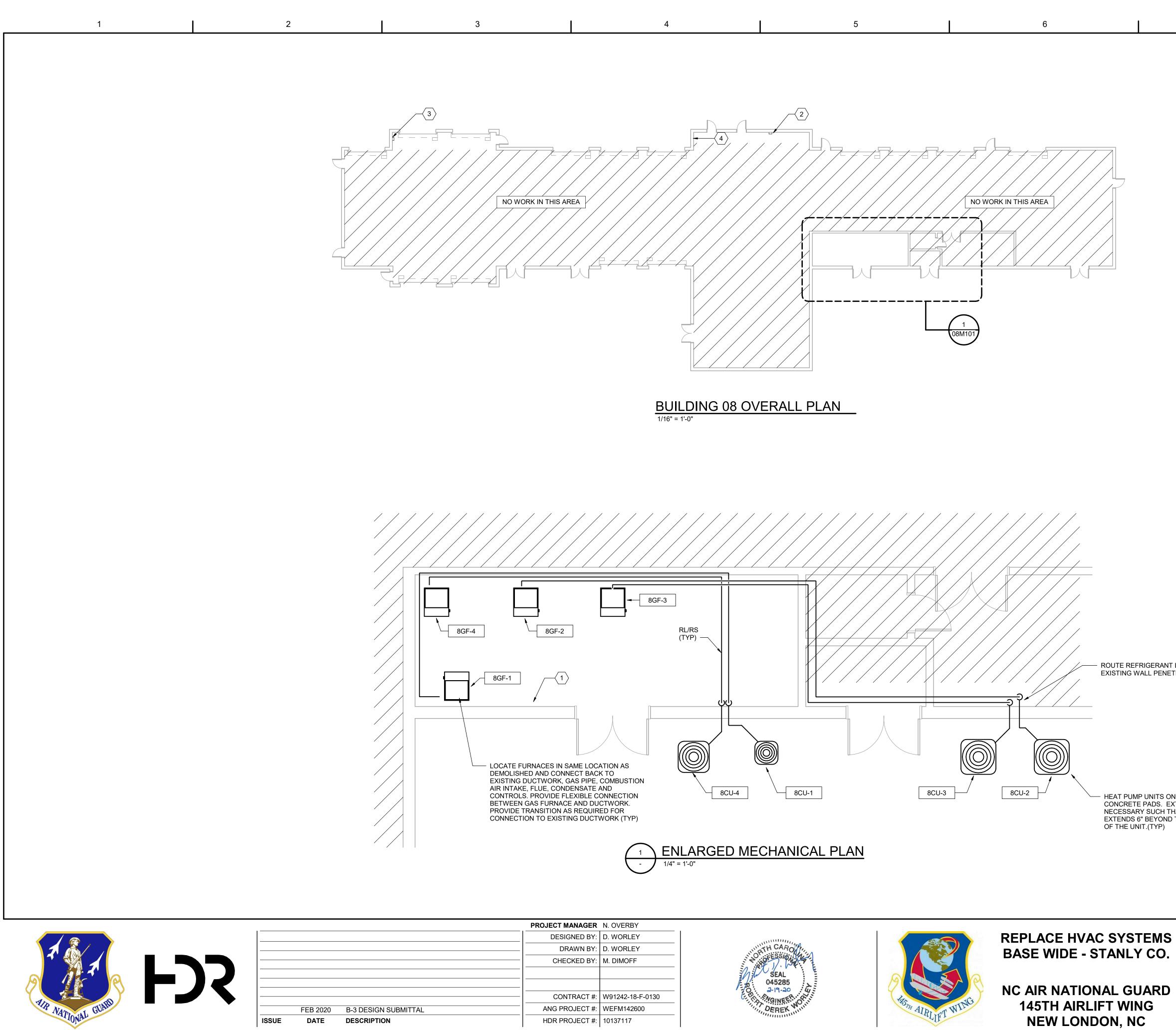
STANLY COUNTY AIR NATIONAL GUARD STATION **STANLY COUNTY AIRPORT BUILDING 08**

MECHANICAL DEMOLITION PLANS

FILENAME 10137117-00-MP.rvt SCALE AS NOTED

SHEET

08MD101



BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



<u>KEYNOTES</u>

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- BACNET ROUTER, TEMPERATURE SENSOR AND DOOR SWITCHES. ROUTER SHALL COMMUNICATE WITH EXISTING BAS CONTROLLER LOCATED IN BUILDING 3.
- SMART METER ON EXISTING ELECTRICAL 2 SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
- SMART METER ON EXISTING PROPANE SERVICE. 3 COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
 - PROVIDE EMERGENCY HVAC SHUTOFF SWITCH IN ACCORDANCE WITH SECTION 3-19, UFC 4-010-011 "STANDARD 18". SWITCH TO BE LOCATED WITHIN THE BUILDING AND VISIBLE TO ALL OCCUPANTS. COORDINATE FINAL LOCATION OF SWITCH WITH GOVERNMENT. EMERGENCY SHUTOFF SWITCH SHALL BE TIED INTO BUILDING BAS CONTROLLER/ROUTER AND INITIATE SHUT DOWN OF ALL HVAC EQUIPMENT AND CLOSURE OF ALL OUTSIDE AIR DAMPERS/LOUVERS WITHIN 30 SECONDS OF ACTIVATION. REFER TO DETAIL #4/99M004 FOR MORE INFORMATION. IF EMERGENCY SHUT-OFF SWITCH IS ALREADY PRESENT WITHIN THE BUILDING, COORDINATE WITH GOVERNMENT TO ENSURE PROPER FUNCTION AND THAT SWITCH IS CURRENTLY TIED TO THE FRONT END FOR VISIBILITY AND CONTROL WITHIN THE BAS. NOTIFY GOVERNMENT/COR OF EXISTING CONDITIONS AND CURRENT OPERATION.

ROUTE REFRIGERANT LINES THRU
 EXISTING WALL PENETRATIONS. (TYP)

HEAT PUMP UNITS ON EXISTING CONCRETE PADS. EXTEND PAD AS NECESSARY SUCH THAT PAD EXTENDS 6" BEYOND THE FOOTPRINT OF THE UNIT.(TYP)



SCALE AS NOTED

FILENAME 10137117-00-MP.rvt

08M101

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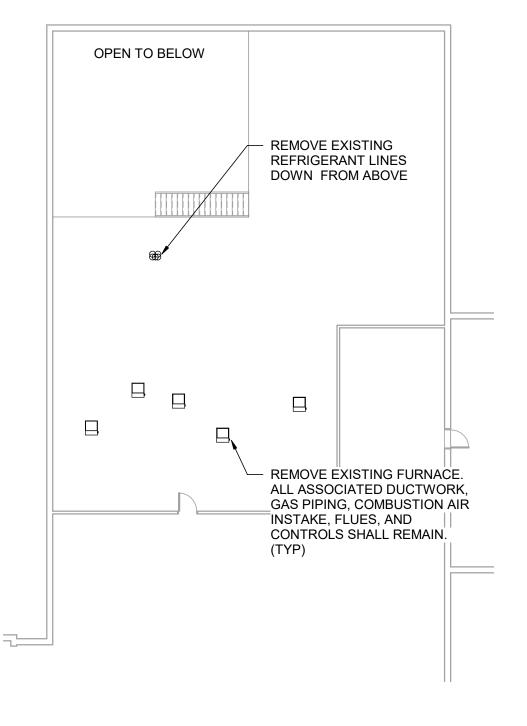
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	FEB 2020	B-3 DESIGN SUBMITTAL	

MEZZANINE MECHANICAL DEMOLITION PLAN

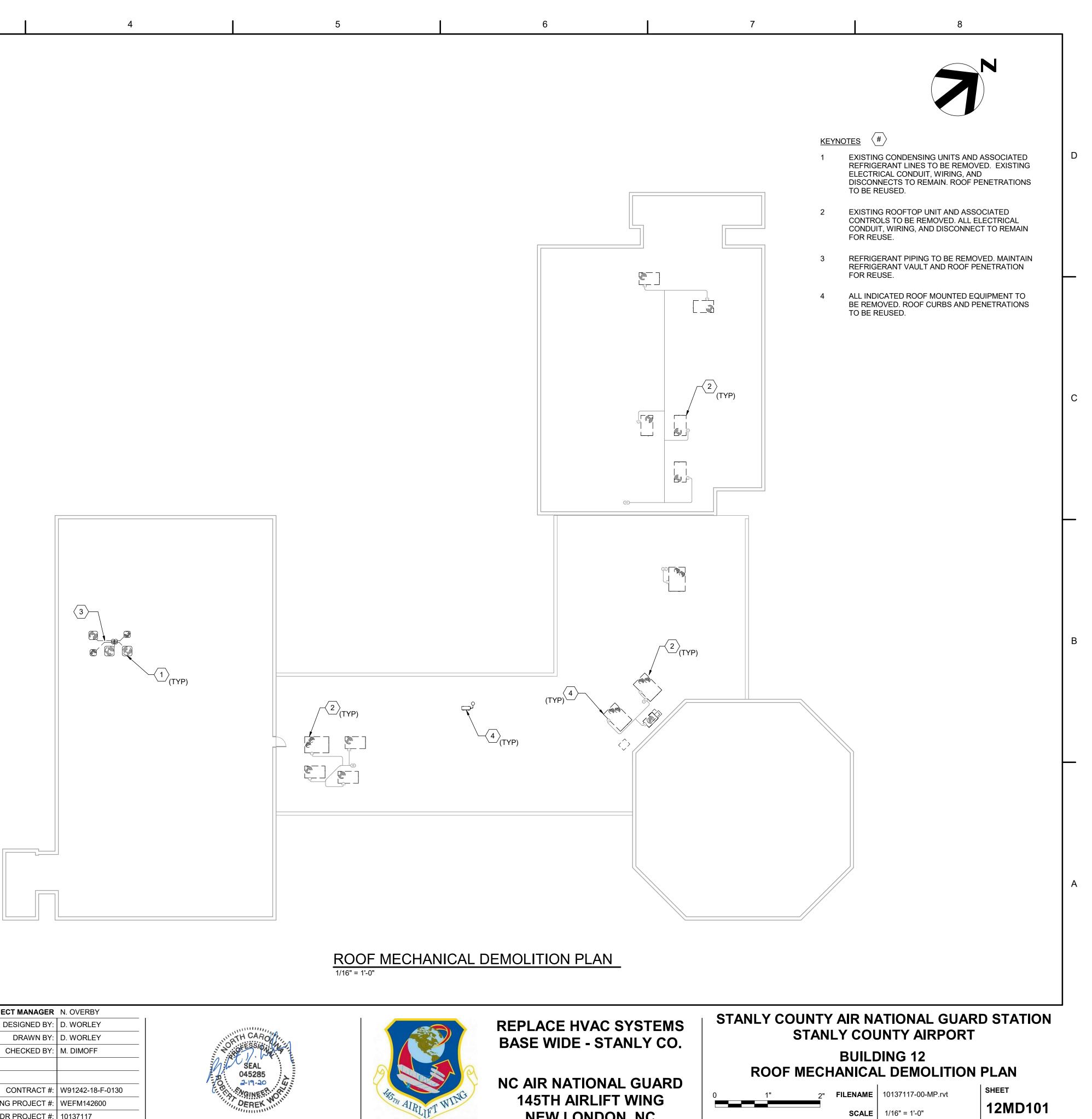


PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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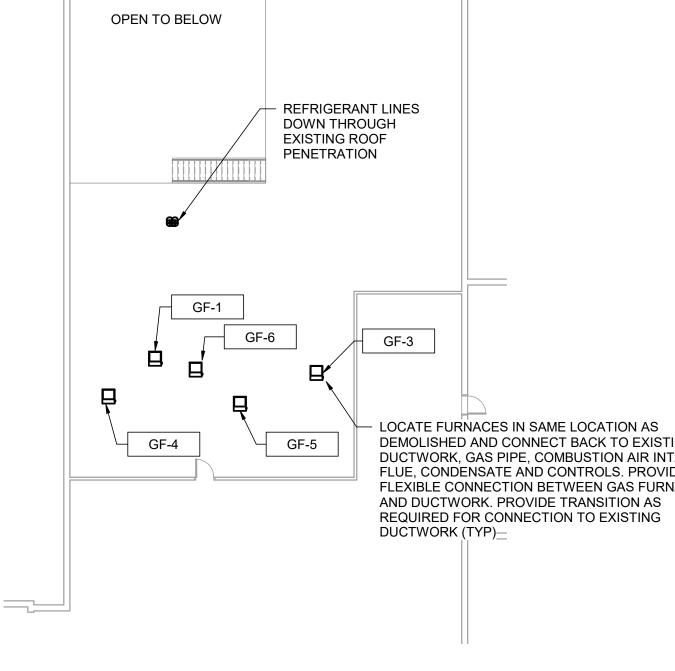
NEW LONDON, NC





	FEB 2020	B-3 DESIGN SUBMITTAL	
ISSUE	DATE	DESCRIPTION	

MEZZANINE MECHANICAL PLAN



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			EXISTING PRO LINES TO REM
			EXISTING PRO UP FROM BELC
S STING INTAKE, WIDE IRNACE S S	REFRIGERANT LINES DOWN THROUGH EXISTING ROOF PENETRATION TO MEZZANINE LEVEL BELOW (12CU-3) (12CU-4) (12CU-5) (12CU-4)	LOCATE ALL ROOF TOP UNITS SUCH THAT EXISTING SUPPLY AND RETURN DUCT PENETRATIONS ARE USED. PROVIDE CURB ADAPTER AS REQUIRED (TYP)	12RTU-7

ROOF MECHANICAL PLAN

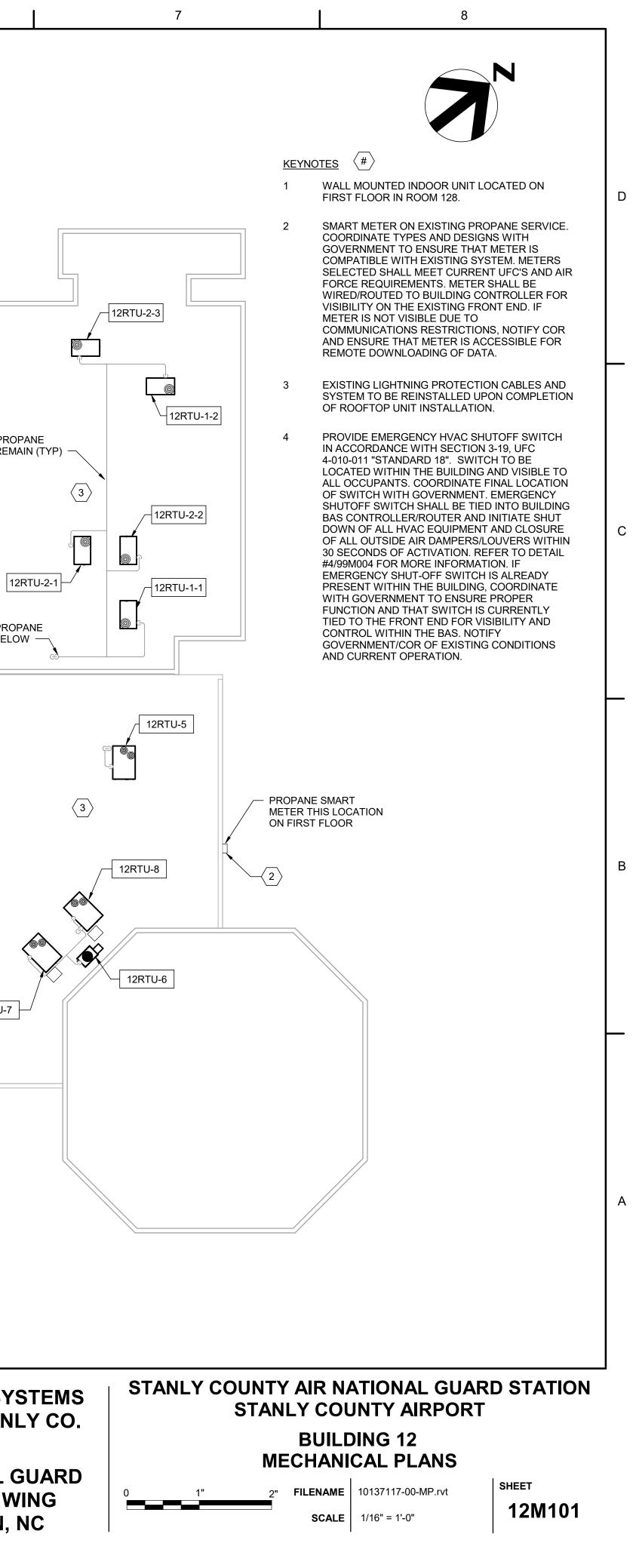
	PROJECT MANAGER	N. OVERBY
	DESIGNED BY:	D. WORLEY
	DRAWN BY:	D. WORLEY
	CHECKED BY:	M. DIMOFF
	CONTRACT #:	W91242-18-F-0130
	ANG PROJECT #:	WEFM142600
	HDR PROJECT #:	10137117
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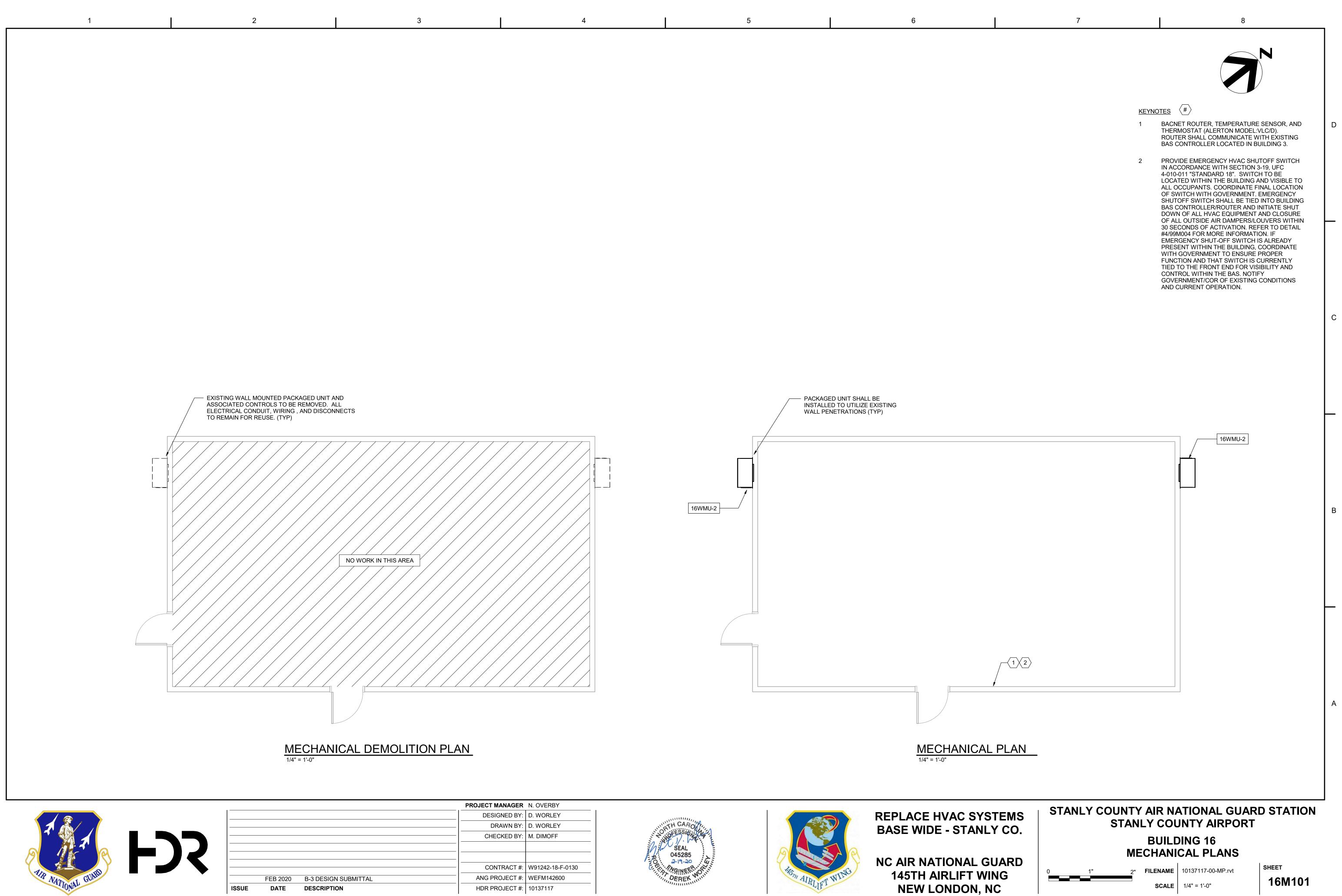




REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

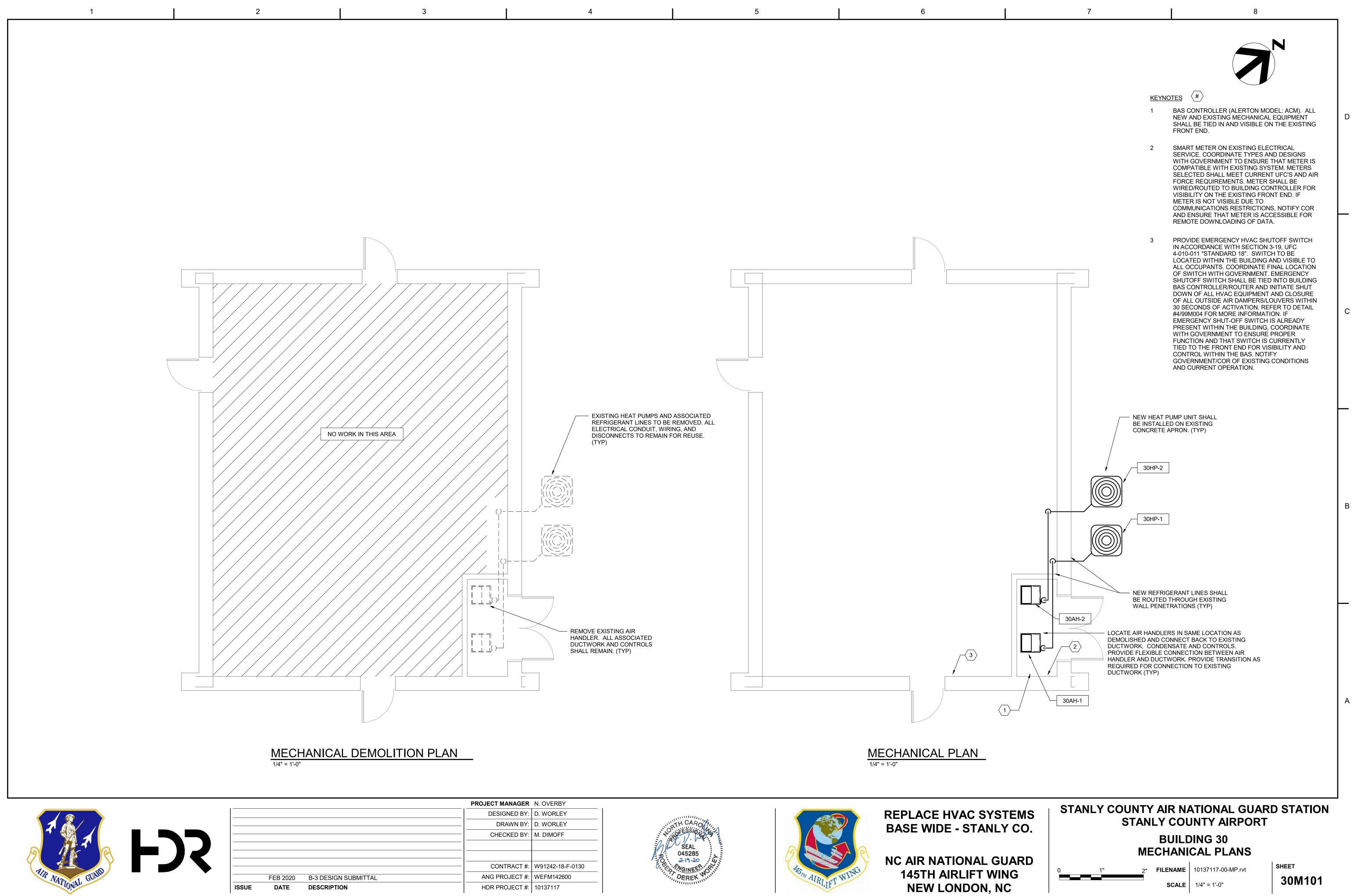
NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC





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PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117





REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



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<u>KEYNOTES</u>

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SMART METER ON EXISTING ELECTRICAL SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.

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STANLY COUNTY AIR NATIONAL GUARD STATION **STANLY COUNTY AIRPORT BUILDING 50** MECHANICAL PLAN SHEET

SCALE 1/4" = 1'-0"

FILENAME 10137117-00-MP.rvt

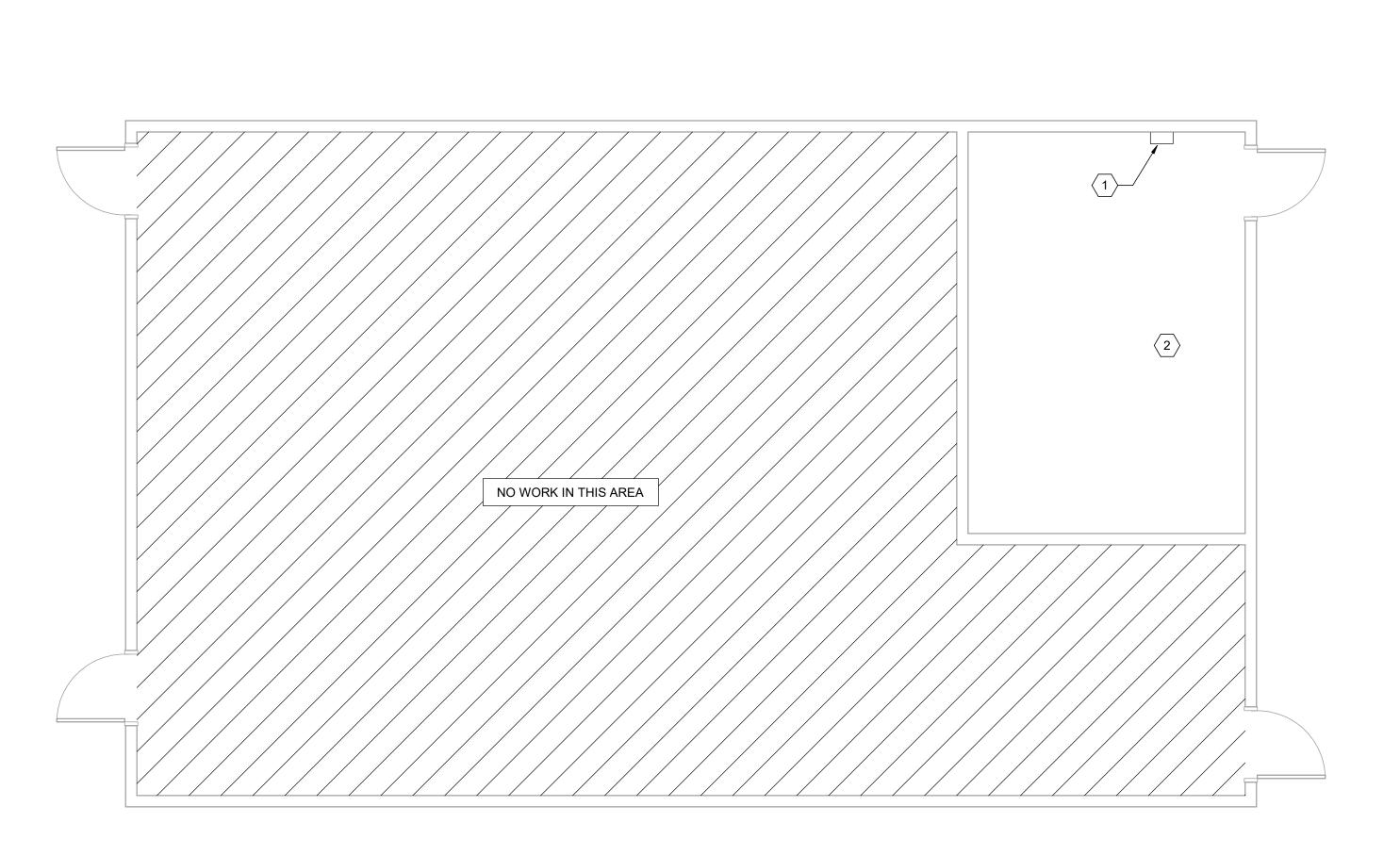
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	FEB 2020
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PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC



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KEYNOTES (#)

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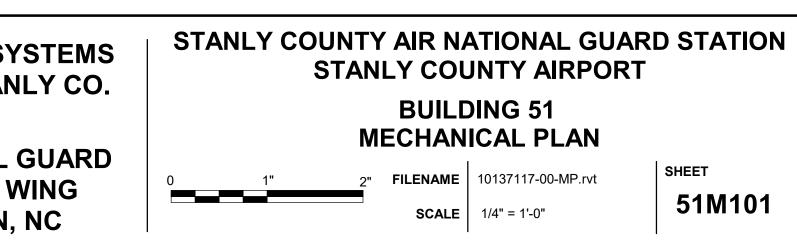
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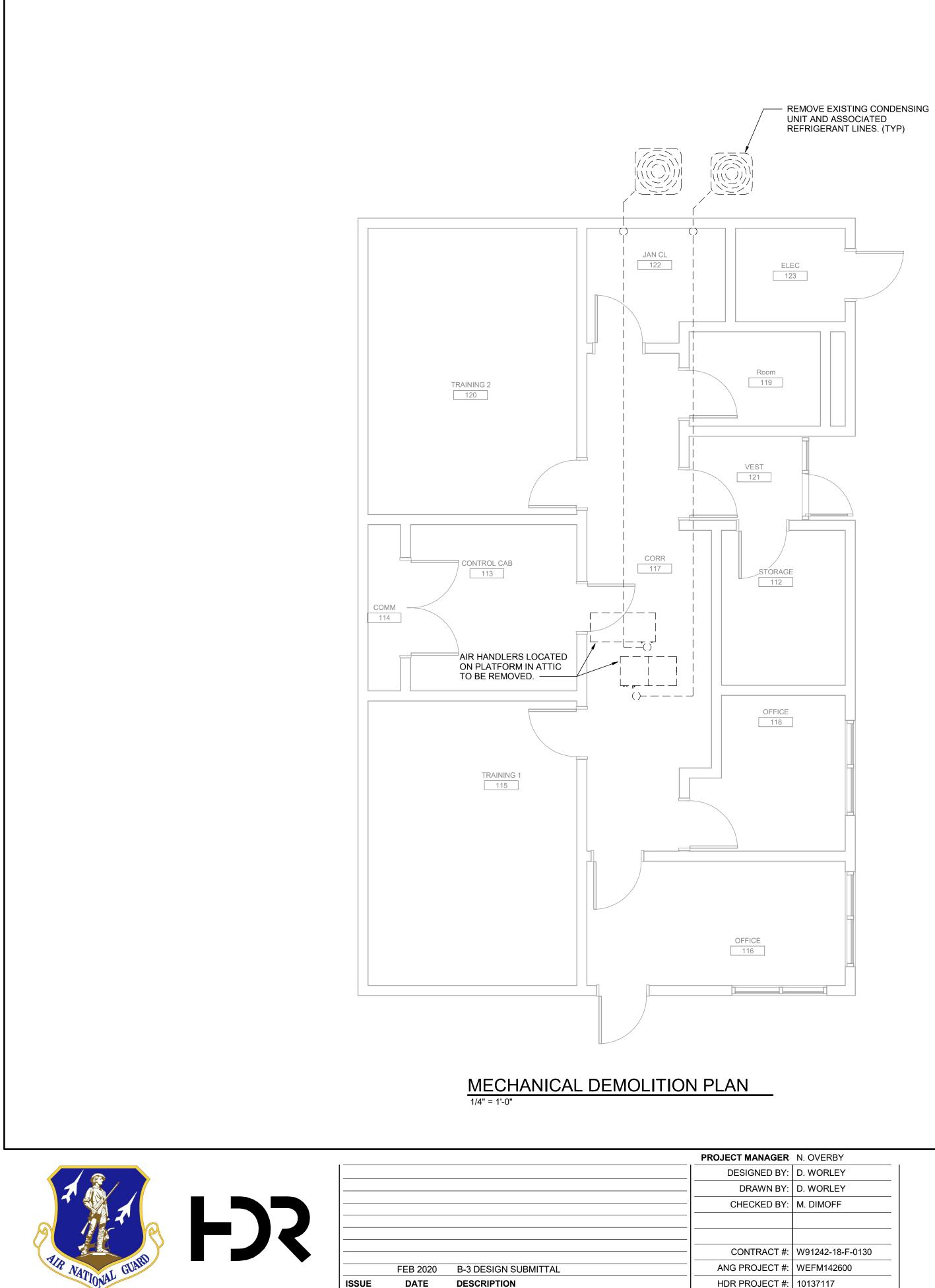
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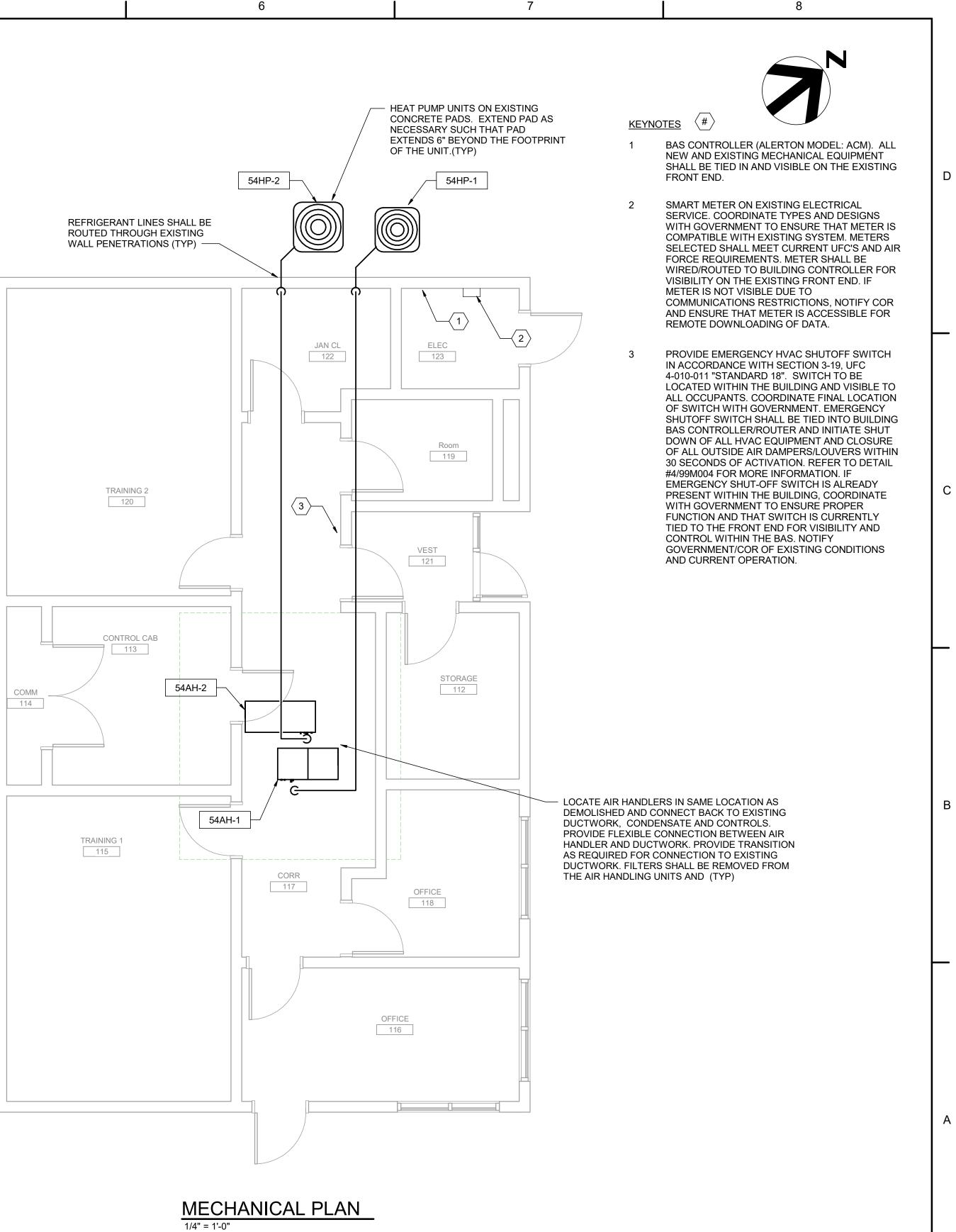




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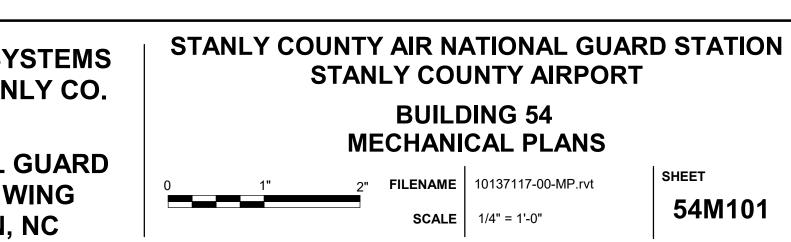
PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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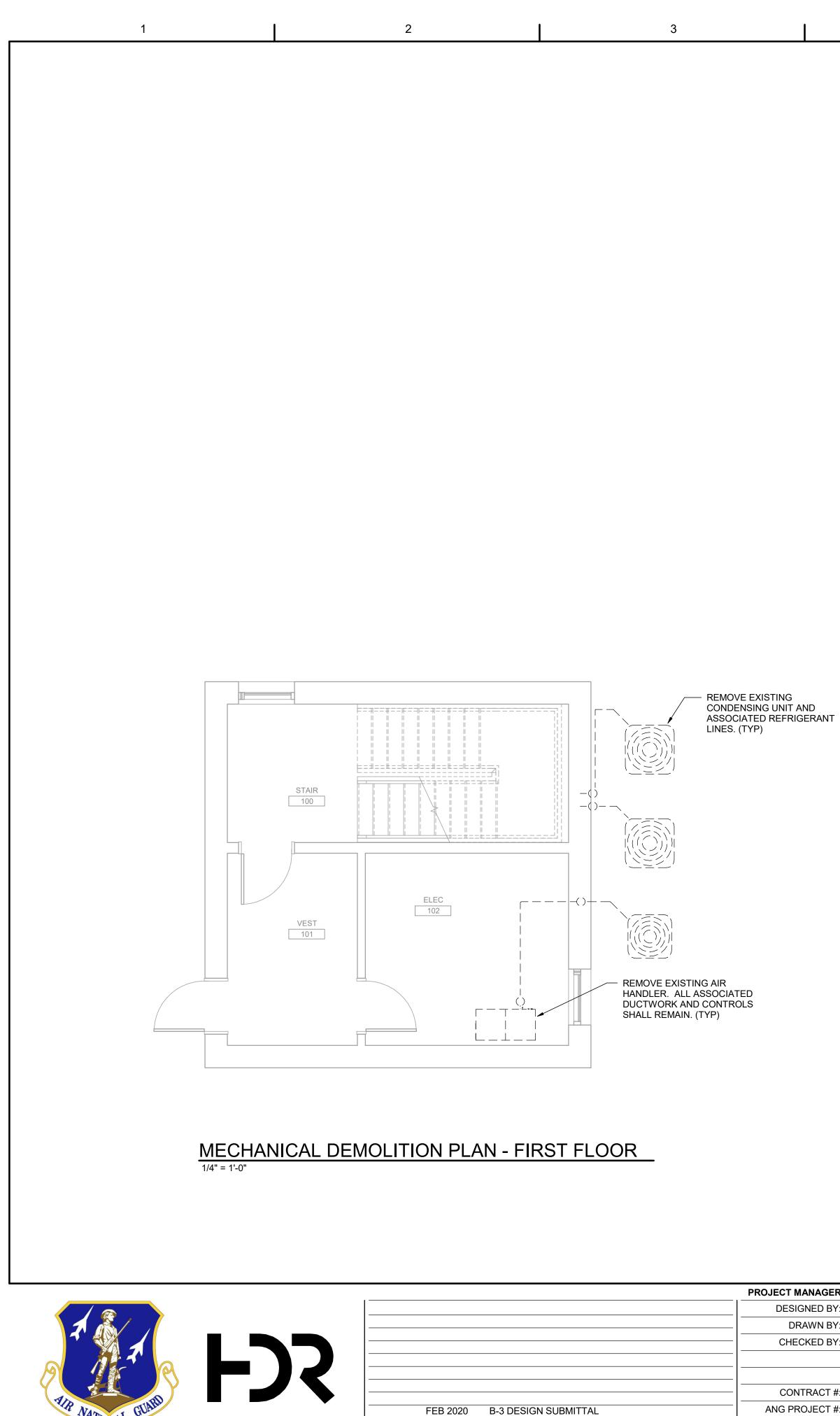




REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



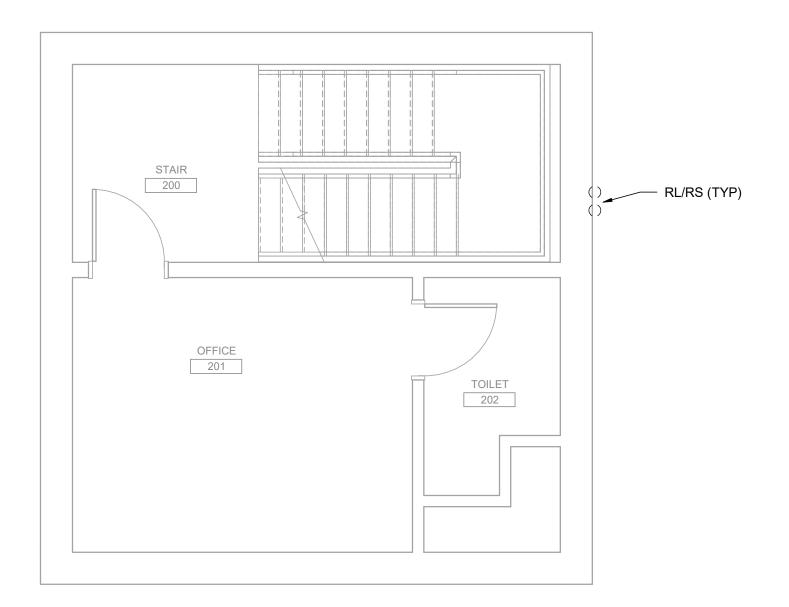


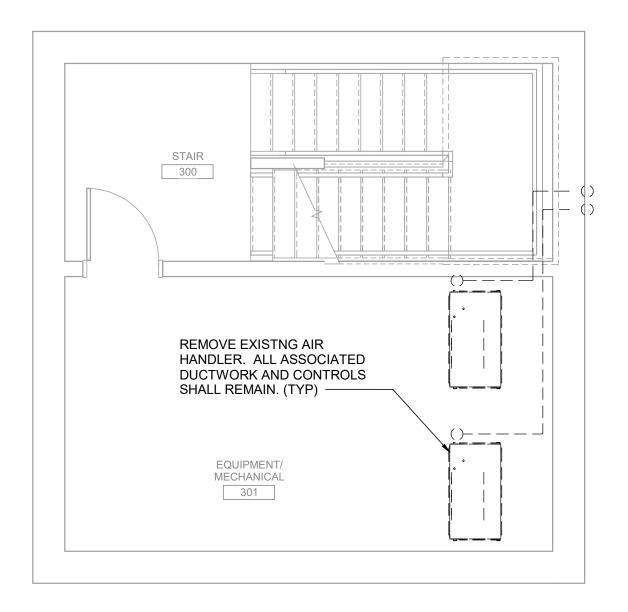
DESCRIPTION

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DATE







7

MECHANICAL DEMOLITION PLAN - SECOND FLOOR



PROJECT MANAGER N. OVERBY DESIGNED BY: D. WORLEY DRAWN BY: D. WORLEY CHECKED BY: M. DIMOFF CONTRACT #: W91242-18-F-0130 ANG PROJECT #: WEFM142600 HDR PROJECT #: 10137117



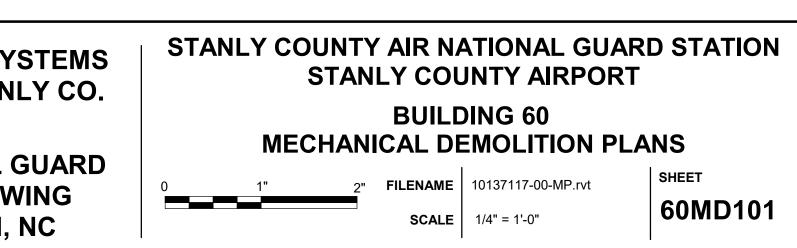


REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**



MECHANICAL DEMOLITION PLAN - THIRD FLOOR



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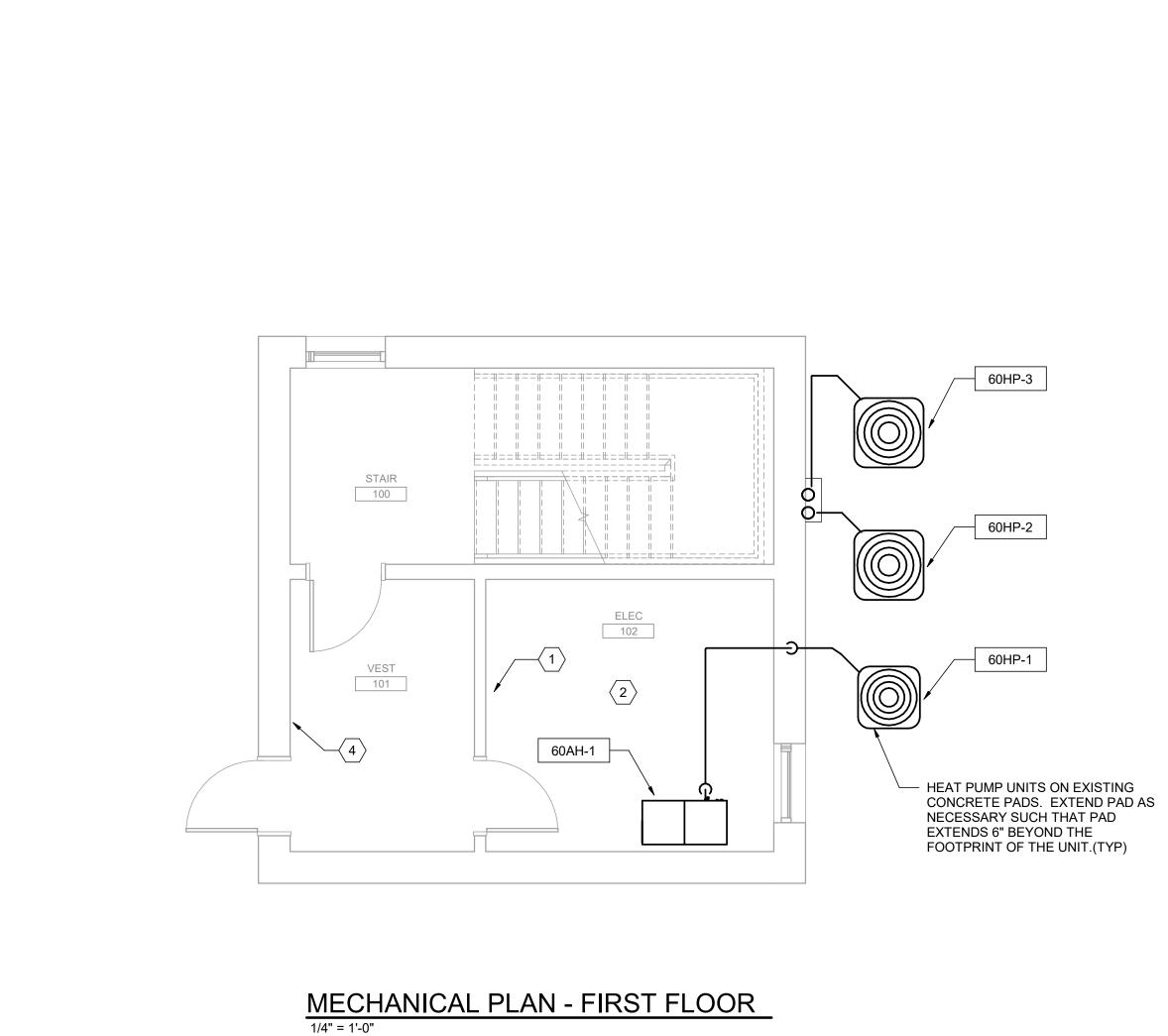
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FEB 2020	B-3 DESIGN SUBMITTAL	



PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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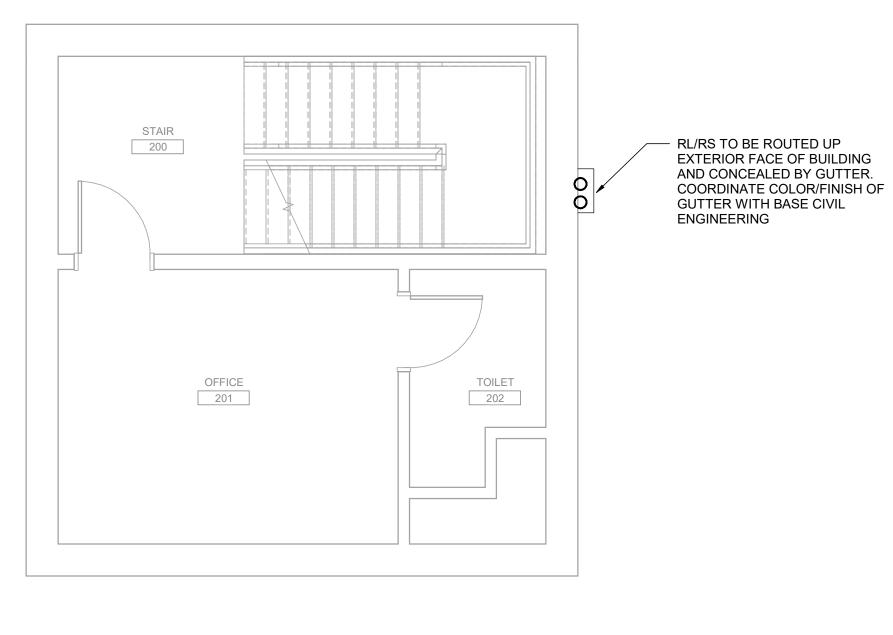


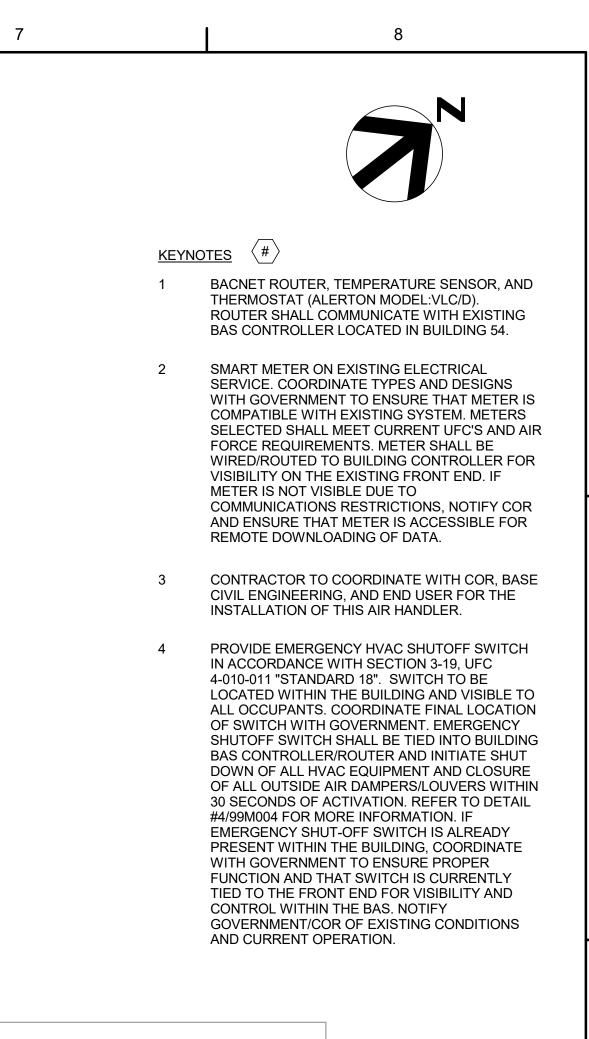


REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**

MECHANICAL PLAN - SECOND FLOOR 1/4" = 1'-0"



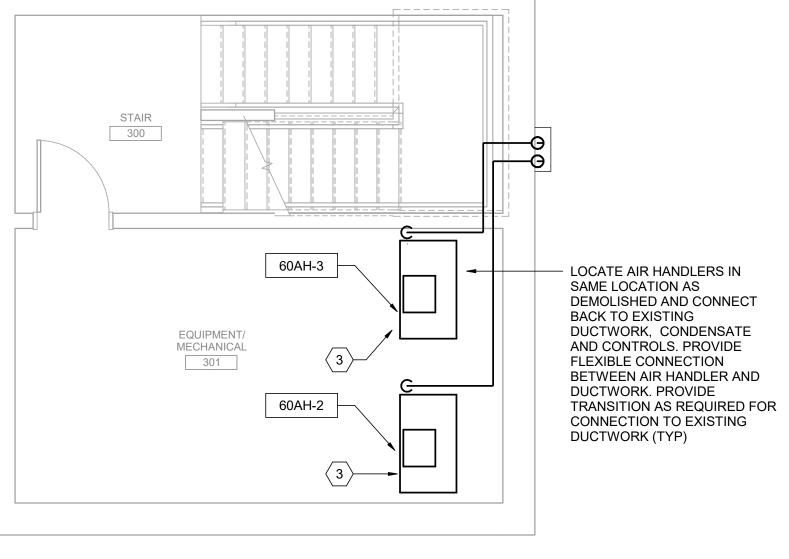


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MECHANICAL PLAN - THIRD FLOOR

STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT BUILDING 60 MECHANICAL PLANS SHEET

SCALE 1/4" = 1'-0"

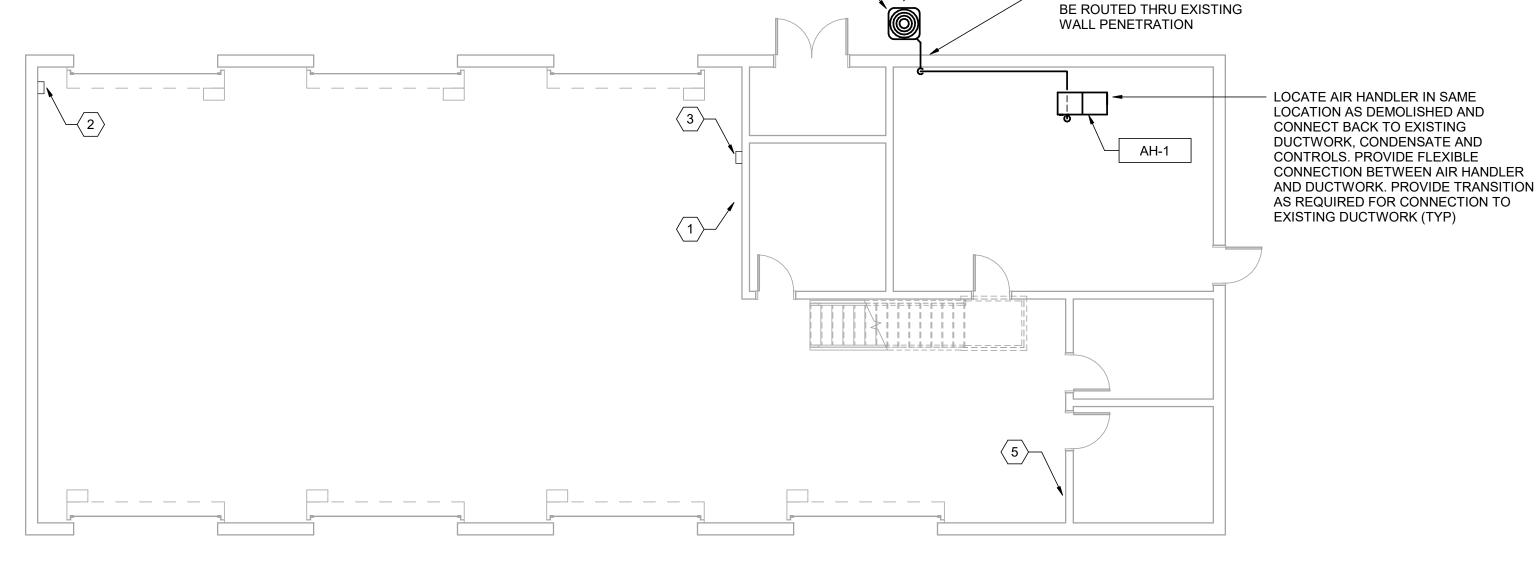
FILENAME 10137117-00-MP.rvt

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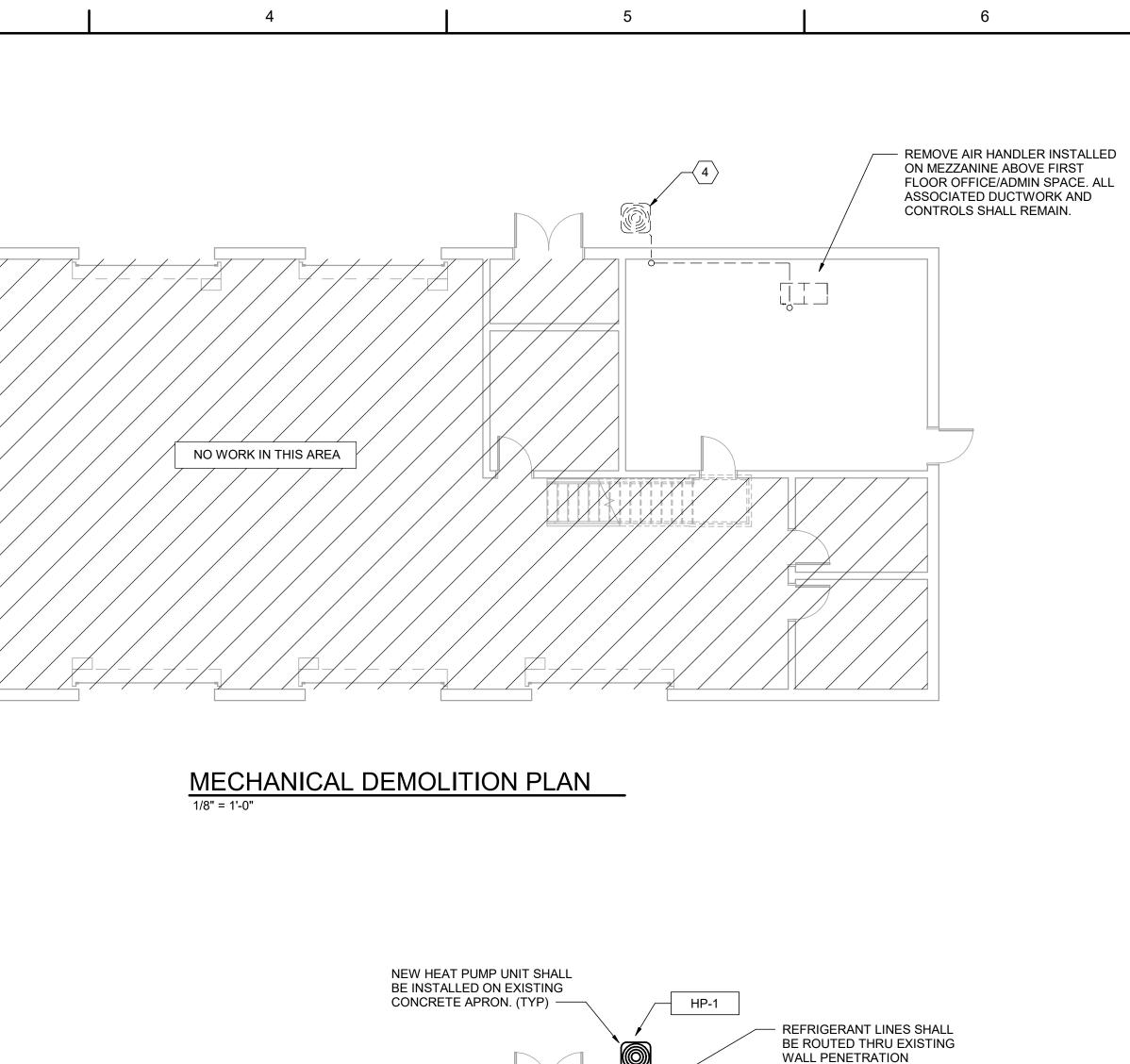




	FEB 2020	B-3 DESIGN SUBMITTAL	
ISSUE	DATE	DESCRIPTION	

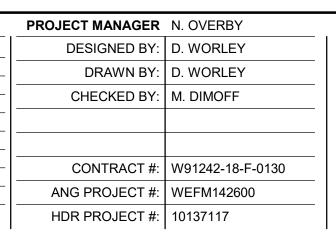


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MECHANICAL PLAN

1/8" = 1'-0"





REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING **NEW LONDON, NC**

SEAL 045285



KEYNOTES (#)

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- BACNET ROUTER, TEMPERATURE SENSOR AND DOOR SWITCHES. ROUTER SHALL COMMUNICATE WITH EXISTING BAS CONTROLLER LOCATED IN BUILDING 77.
- SMART METER ON EXISTING PROPANE SERVICE. 2 COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
- SMART METER ON EXISTING ELECTRICAL 3 SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
- HEAT PUMP UNIT AND ASSOCIATED 4 REFRIGERANT PIPING TO BE REMOVED. ALL ELECTRICAL CONDUIT, WIRING, AND DISCONNECTS TO REMAIN. EXISTING WALL PENETRATION TO REMAIN FOR REUSE.
- PROVIDE EMERGENCY HVAC SHUTOFF SWITCH IN ACCORDANCE WITH SECTION 3-19, UFC 4-010-011 "STANDARD 18". SWITCH TO BE LOCATED WITHIN THE BUILDING AND VISIBLE TO ALL OCCUPANTS. COORDINATE FINAL LOCATION OF SWITCH WITH GOVERNMENT. EMERGENCY SHUTOFF SWITCH SHALL BE TIED INTO BUILDING BAS CONTROLLER/ROUTER AND INITIATE SHUT DOWN OF ALL HVAC EQUIPMENT AND CLOSURE OF ALL OUTSIDE AIR DAMPERS/LOUVERS WITHIN 30 SECONDS OF ACTIVATION. REFER TO DETAIL #4/99M004 FOR MORE INFORMATION. IF EMERGENCY SHUT-OFF SWITCH IS ALREADY PRESENT WITHIN THE BUILDING, COORDINATE WITH GOVERNMENT TO ENSURE PROPER FUNCTION AND THAT SWITCH IS CURRENTLY TIED TO THE FRONT END FOR VISIBILITY AND CONTROL WITHIN THE BAS. NOTIFY GOVERNMENT/COR OF EXISTING CONDITIONS AND CURRENT OPERATION.

STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT BUILDING 75 MECHANICAL PLANS SHEET

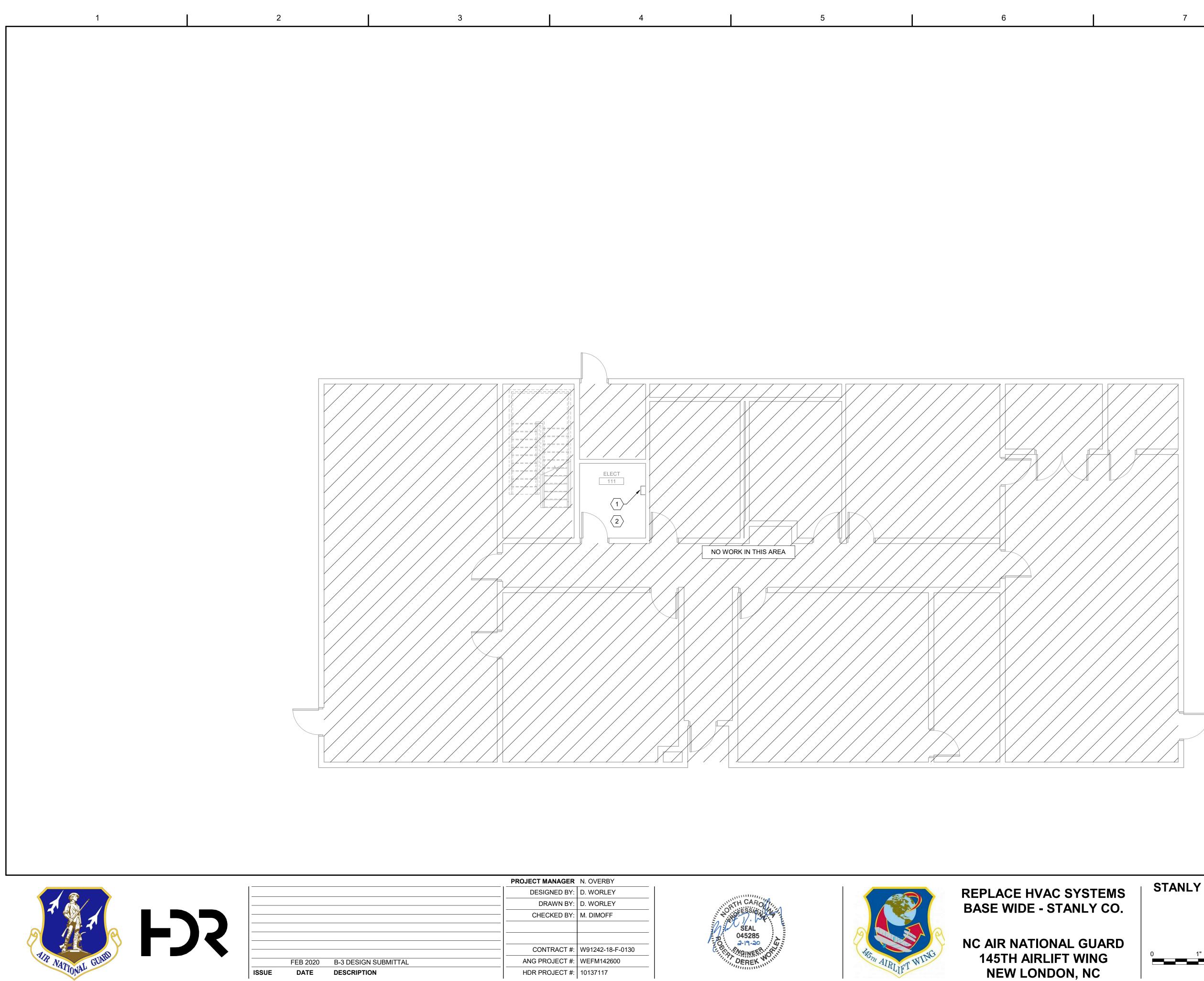
FILENAME 10137117-00-MP.rvt

SCALE 1/8" = 1'-0"

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FEB 2020	B-3 DESIGN S
DATE	DESCRIPTION

PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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KEYNOTES (#)

- SMART METER ON EXISTING ELECTRICAL 1 SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
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STANLY COUNTY AIR NATIONAL GUARD STATION **STANLY COUNTY AIRPORT BUILDING 77 MECHANICAL PLAN** SHEET

SCALE 3/16" = 1'-0"

FILENAME 10137117-00-MP.rvt

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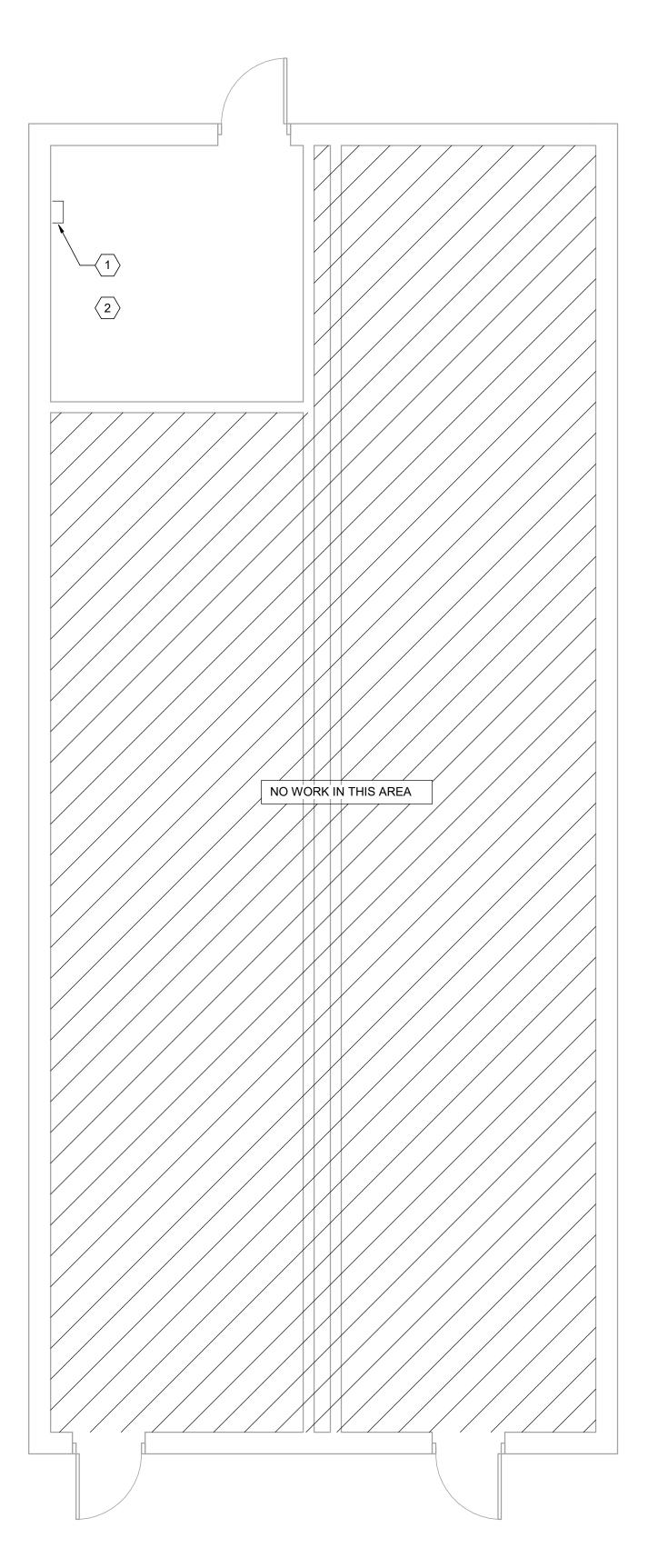
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DESCRIPTION







REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC



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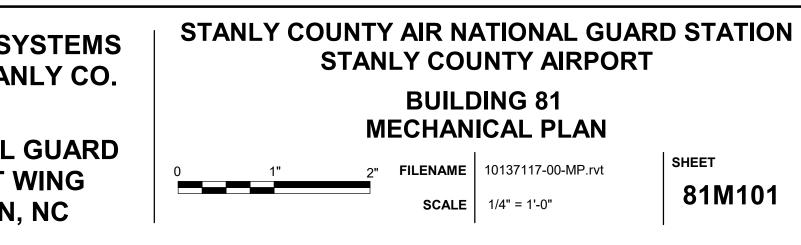
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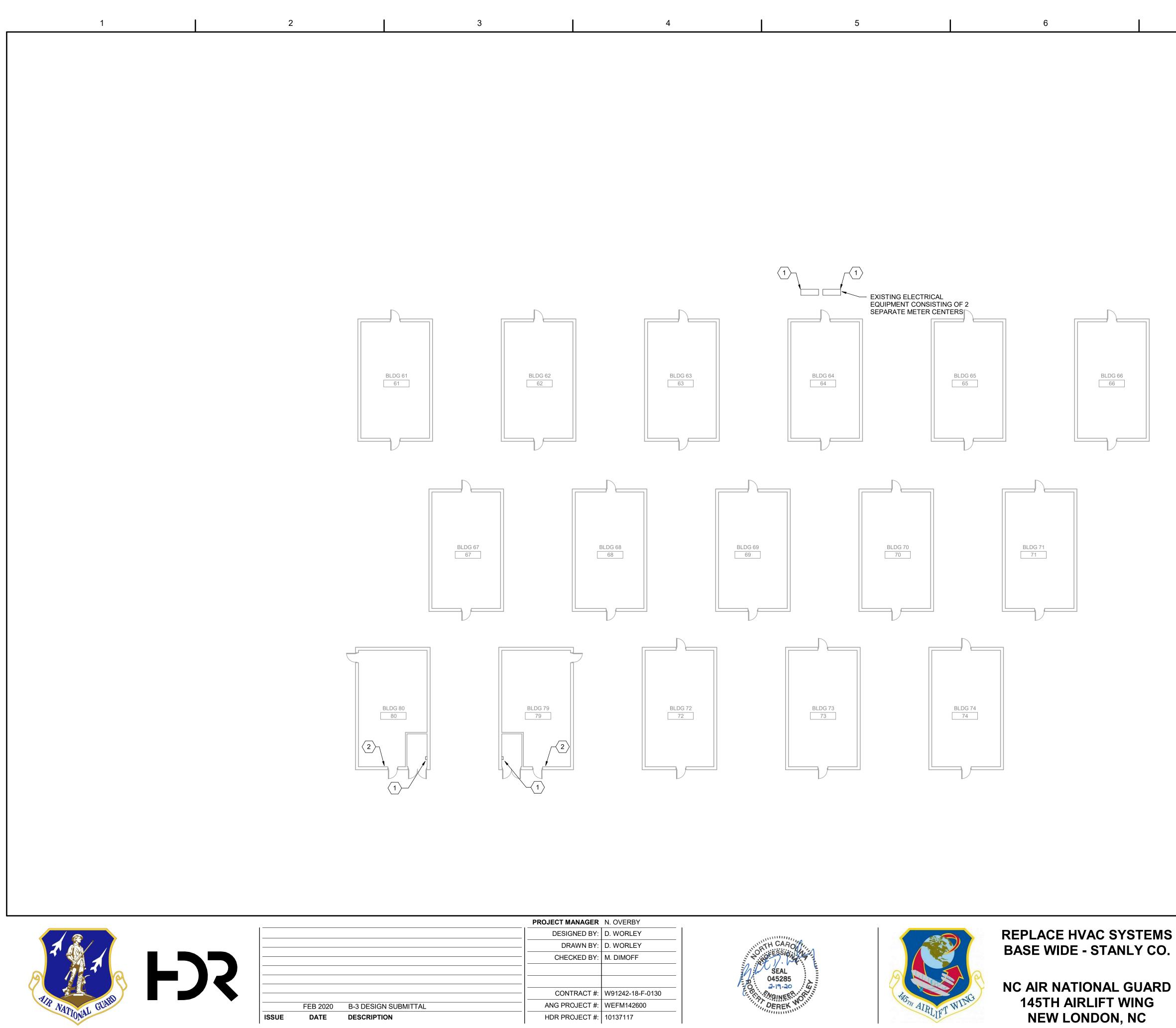
<u>KEYNOTES</u>

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- 1 SMART METER ON EXISTING ELECTRICAL SERVICE. COORDINATE TYPES AND DESIGNS WITH GOVERNMENT TO ENSURE THAT METER IS COMPATIBLE WITH EXISTING SYSTEM. METERS SELECTED SHALL MEET CURRENT UFC'S AND AIR FORCE REQUIREMENTS. METERS SHALL BE INSTALLED IN A WEATHER TIGHT ENCLOSURE. METER SHALL BE WIRED/ROUTED TO BUILDING CONTROLLER FOR VISIBILITY ON THE EXISTING FRONT END. IF METER IS NOT VISIBLE DUE TO COMMUNICATIONS RESTRICTIONS, NOTIFY COR AND ENSURE THAT METER IS ACCESSIBLE FOR REMOTE DOWNLOADING OF DATA.
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<u>KEYNOTES</u>

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STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT TROOP CAMP NEW WORK PLAN SHEET

SCALE 1/16" = 1'-0"

FILENAME 10137117-00-MP.rvt

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		SUPPLY	COOLING CA	PACITY				E11 750							MODEL I	NFORMATION
	MARK AREA SERVED NOMINAL		(AT 95F AMI		Н	EATING CAPA	ACITY	FILTER		ELE	ECTRICAL	UNIT SIZE (L"xW"xl		EER SEE		NOTES
	NO. AREA SERVED TONS AIRF	_OW ESP M) (IN. WG.) DRIVE BHP HP	TOTAL SENSIB (MBH) (MBH)	LE REFRIG. TYPE	INPUT (MBH)	OUTPUT ((MBH)	CONNECTI SIZE	TYPE SIZE	VOLTAGE) / PHASE	MCA	MOCP FLA (DISCON)		(LBS)		R BASIS OF DESIGN	MODEL NO.
	12RTU-1 BUILDING 12 4 16	00 NOTE 11 DIRECT 0.72	50 37	R410A	67	53	1/2"	THROW AWAY 16 x 25 x 2	2 460 / 3	10	15 10	74 x 47 x 41	600	12 16	CARRIER	48GCDN05B1A6 1 - 8
	12RTU-2 BUILDING 12 7.5 30	00 NOTE 11 BELT 1.7	93.3 72.2	R410A	125	103	1/2"	THROW AWAY 20 x 20 x 2	2 460 / 3	18	20 19	88 x 59 x 49	1000	12	CARRIER	48HCDE08B1A6 1 - 9
		00 NOTE 11 DIRECT 0.44	35.1 25.6	R410A	67	53	1/2"	THROW AWAY 16 x 25 x 2	2 460 / 3	9	15 8	74 x 47 x 33	600	12 16	CARRIER	48GCDN04B1A6 1 - 8
		00 NOTE 11 BELT 1.7	74.7 56.8		72	59	1/2"	THROW AWAY 16 x 20 x 2		15	20 14	88 x 59 x 49	825	12	CARRIER	48HCDE07B1A6 1 - 9
		00 NOTE 11 BELT 2.4	119.8 92.5		180	148	3/4"	THROW AWAY 20 x 20 x 2	-	22	25 23	88 x 59 x 49	1200	12	CARRIER	48HCDE11B1A6 1 - 9
		0 NOTE 11 DIRECT - 1/2	23.0 18.0		60	49	1/2"		208 / 1	19.4	30 -	33 x 49 x 44	344	12 15	CARRIER	48VG-A240603 1 - 8
		00 NOTE 11 BELT 2.4	119.8 92.5		180	148	3/4"	THROW AWAY 20 x 20 x 2		22	25 23	88 x 59 x 49	1200	12	CARRIER	48HCDE11B1A6 1 - 10
		00 NOTE 11 BELT 2.4	119.8 92.5		180	148	3/4"	THROW AWAY 20 x 20 x 2		22	25 23	88 x 59 x 49	1200	12	CARRIER	48HCDE11B1A6 1 - 10
		00 NOTE 11 DIRECT 0.72	50 37	R410A	67	53	1/2	THROW AWAY 16 x 25 x 2 THROW AWAY 16 x 25 x 2		10	15 10 15 10	74 x 47 x 41	600	12 16	CARRIER	48GCDN05B1A6 1 - 8
		00 NOTE 11 DIRECT 0.72	50 37	R410A R410A	67	53	1/2	THROW AWAY 16 x 25 x 2 THROW AWAY 16 x 25 x 2		10 10	10 10	74 x 47 x 41	600	12 16	CARRIER	48GCDN05B1A6 1 - 8 48GCDN05B1A6 1 - 8
		NOTE 11 DIRECT 0.72 00 NOTE 11 DIRECT 1.06	50 37	R410A R410A	67	53	1/2	THROW AWAY 16 x 25 x 2 THROW AWAY 16 x 25 x 2		10	13 10	74 x 47 x 41	600	12 16 12 16	CARRIER	
			63 48.3	R410A	67	53	1/2			12		74 x 47 x 41	650	12 16 12 16		48GCEN06B1A6 1 - 8
	12RT0-2-3 BOILDING 12 5 20	00 NOTE 11 DIRECT 1.06	63 48.3	K410A	07	55	1/2	THROW AWAY 16 x 25 x 2	40073	12	15 11	74 x 47 x 41	650		CARRIER	48GCEN06B1A6 1 - 8
	NOTES:															
	1. 2-STAGE SCROLL COMPRESSOR															
	2. MANUFACTURER'S ROOF CURB ADAPTER															
	3. LOW AMBIENT CONTROL															
	4. ENTHALPY BASED ECONOMIZER															
	5. PROPANE CONVERSION KIT															
	6. DISCHARGE AIR AND OUTSIDE AIR TEMPE	RATURE SENSORS														
	7. OUTSIDE AIR DAMPER SHALL BE SET TO		ASURED OUTSIDE	AIRFLOW REG	CORDED I	N T&B REPOR	RT PERFORM	IED PRIOR TO START OF CO	ONSTRUCTIO	ON.						
	8. HINGED DOORS															
	9. HOT GAS REHEAT HUMIDITY CONTROL															
	10. ERV OPTION															
	11. EXTERNAL STATIC PRESSURE TO BE SE	EQUAL TO THE MEASURED EXTERNAL	_ STATIC PRESSUR	RE RECORDED	IN THE T	B REPORT P	PERFORMED	PRIOR TO START OF CONS	TRUCTION.							
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	FEB 2020	B-3 DESIGN SUBMITTAL	
ISSUE	DATE	DESCRIPTION	

						DUCTLE	SS SPLIT	SYSTEM	HEAT PU	MP SCHE	DULE								
				INDO	OOR UNIT						OUTDOOR I	JNIT					MODEL INFORM	ATION	
MARK NO.	NOMINAL	REFRIG.	SEER			ELECTRICAL	-	HEATING	CAPACITY	COOLING	CAPACITY		ELECTRIC	AL					NOTES
MARK NO.	TONS	REFRIG.	JELK	SUPPLY AIR CFM (MAX - HI - MED - LOW)	MCA	MOCP	VOLTAGE / PHASE	@47°F (MBH)	@17°F (MBH)	TOTAL (MBH)	SENSIBLE (MBH)	MCA	MOCP	VOLTAGE / PHASE	(LBS)	BASIS OF DESIGN	OUTDOOR UNIT	INDOOR UNIT	NOTES
12MSCU-9 / 12MSAH-9	1.5	R410A	21.5	706-530-477-371	POWERE	D FROM IND	OOR UNIT	21.6	13.1	18.0	14.4	13	20	208 / 1	75	LG	LSU18HSV5	LSN18HSV5	1 - 5

NOTES:

1. COOLING CAPACITY BASED ON 95° F OUTDOOR AIR TEMPERATURE

2. R-410A REFRIGERANT

3. WALL MOUNTED PROGRAMMABLE THERMOSTAT/CONTROLLER

4. SINGLE POINT POWER CONNECTION AND DISCONNECT SWITCH

5. CONDENSATE PUMP

			COOLING		HEATING		IAL HEAT PU		1		ГА	MODEL INF	ORMATION	
MARK	NOMINAL CFM	OA CFM	TOTAL (MBH)	SENSIBLE (MBH)		ELECTRIC HEAT (KW)	REFRIGERANT	MIN EER	МСА	MOCP	V/PH	BASIS OF DESIGN	MODEL	NOTES
04PTAC-1	270	25	7.1	5.3	6.2	2.3	R410A	13.3	14.5	15	208 / 1	LG	LP073HDUC	1 - 5
NOTES:														

2. WALL MOUNTED THERMOSTAT.

3. WASHABLE FILTER

4. SUBBASE

5. WALL SLEEVE KIT

				SINGLE	PACKA	GED V	ERIIG	JAL A	IR CONDI	TIONER SC	HEDUL	E		
		FOD	COOLING	CAPACITY		MAINI		ELE	ECTRICAL DA	ТА		MODEL INFO	RMATION	
MARK	NOMINAL CFM	ESP (IN WC)	TOTAL (MBH)	SENSIBLE (MBH)	REFRIG.	MIN EER	MCA	MOCP	VOLTAGE / PHASE	ELEC. HEAT (kW)	WEIGHT (LBS)	BASIS OF DESIGN	MODEL	NOTES
16AC-1	600	0.4	16.4	12.7	R410A	9.0	46	50	208 / 1	8	310	BARD	W18A2-A08	1 - 4
16AC-2	1100	0.2	35.0	25.3	R410A	9.0	33	35	208 / 3	9	310	BARD	W36A2-B09	1 - 4

NOTES: 1. DISCONNECT SWITCH

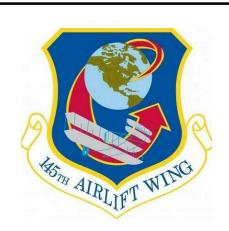
2. WALL MOUNTED THERMOSTAT.

3. LOW AMBIENT OPERATION KIT FOR OPERATION DOWN TO 0 F.

4. 2 INCH MERV 8 FILTER

PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117





REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC

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STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT

MECHANICAL SCHEDULES

SCALE NONE

FILENAME 10137117-00-MP.rvt

SHEET 99M001 D

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								OOR UNIT		SPLIT SY	ISIEM HE		SCHEDUL	E	OUTDOOI					MODEL INFO			
MARK		EERI(_	SEER /	FAN D/	ATA		ELECT	TRICAL DATA			TER DATA		G CAPACITY	COOLING				ATA	WEIGHT BASIS			NOTES	
NO.	TONS		C	SIGN CFM OA C	CFM E.S.P	G) HP	VOLTAGE / PHASE	MCA MO	DCP AUX. HE (kW)		THICKN (in.)		@17°F (MBH)	TOTAL (MBH)	SENSIBLE (MBH)	VOLTAGE / PHASE	MCA	MOCP	(LBS) DESIG		(INDOOR)		
01HP-1 / 01AH-1 01HP-2 / 01AH-2				600 NOTE		2.4	208 / 3 208 / 3		30253025	THROWA		66.0 66.0	39 39	73.5 73.5	57.8 57.8	208 / 3 208 / 3	28 28	45 45		ER 38AUQA07A0A ER 38AUQA07A0A		1 - 9 1 - 9	
01HP-3 / 01AH-3 01HP-4 / 01AH-4	6 R	R410A 1	1.0 / 26	600 NOTE 300 NOTE	E 5 0.7	2.4	208 / 3 208 / 1	71.7	30 25 30 5	THROWA	WAY 2	66.0 24	39	73.5 23.8	57.8 18.1	208 / 3 208 / 1	28 16.5	45 25	444 CARRI	ER 38AUQA07A0A5	40RUQA07A2A6	1 - 9 1 - 9	
													14.2										
04CU-1 / 04AH-1 04CU-2 / 04AH-2				600 NOTE 600 NOTE		2.4	208 / 3 208 / 3		30 25 30 25	THROWA		66.0 66.0	39 39	73.5 73.5	57.8 57.8	208 / 3 208 / 3	28 28	45 45	444CARRI444CARRI	ER 38AUQA07A0A5 ER 38AUQA07A0A5		1 - 8 1 - 8	
30CU-1 / 30AH-1	3 R	R410A 1	4.0 / 12	200 NOTI	E 5 0.4	0.5	208 / 1	72.9	30 15	THROWA	WAY 2	33.8	20.15	33	25.3	208 / 3	11.7	20	200 CARRI	ER 25HCE436A005	FB4CNP036L15	1 - 8	
30CU-2 / 30AH-2	2.5 R	R410A 1		000 NOT	E 5 0.4		208 / 1		60 10	THROWA		33.8	20.15	32.42	22.9	208 / 3	11.7	20		ER 25HCE436A005	FB4CNP036L10	1 - 8	
54CU-1 / 54AH-1 54CU-2 / 54AH-2				600 NOTE			208 / 1 208 / 1		30 10 30 5	THROWA		46.5	26.9	47.5	36.3	208 / 1 208 / 1	28.5	40	260 CARRI 170 CARRI	ER 25HCC548A003 ER 25HCC518A003	FB4CNP048L10 FB4CNP018L05	1 - 8	
												18.0	9.6	17.8	13.6		11.8	20				1-8	
60CU-1 / 60AH-1 60CU-2 / 60AH-2		R410A 1	1.0 / 26	500 NOTE 600 NOTE		0.33	208 / 1 208 / 3		30 5 30 25	THROWA		18.0 66.0	9.6 39	17.8 73.5	13.6 57.8	208 / 1 208 / 3	11.8 28	20 45	444 CARRI		40RUQA07A2A6	1 - 9 1 - 9	
60CU-3 / 60AH-3	6 R	R410A 1	1.0 / 26	600 NOTI	E 5 0.7	2.4	208 / 3	71.7	30 25	THROWA	WAY 2	66.0	39	73.5	57.8	208 / 3	28	45	444 CARRI	ER 38AUQA07A0A5	40RUQA07A2A6	1 - 9	
75CU-1 / 75AH-1	3 R	R410A 1	4.0 / 12	200 NOTI	E 5 0.4	0.5	208 / 1	72.9	30 15	THROWA	WAY 2	33.8	20.15	33	25.3	208 / 3	11.7	20	200 CARRI	ER 25HCE436A005	FB4CNP036L15	1 - 8	
4. PROVIDE DISC 5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE H 8. VARIABLE SPE 9. LONG LINE SE	T CONTROL HEATER EED SUPPLY F	LL BE SET 1		E FRESH AIR) THE MEASUR	RED OUTSIDE	AIRFLOW RE	CORDED IN T&	&B REPORT PI	ERFORMED F	RIOR TO STAF	T OF CONSTR	UCTION.									
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE F 8. VARIABLE SPE 9. LONG LINE SE	DAMPER SHAL F CONTROL HEATER EED SUPPLY F	ITCH LL BE SET T FAN		E FRESH AIR		D THE MEASUR			SPL INDOOR UN	IT SYSTEN	M DX COC	DILING W/G	AS FURNA	ACE SCH	OUTDO				MO	DEL INFORMATION			
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE F 8. VARIABLE SPE 9. LONG LINE SE	DAMPER SHAL F CONTROL HEATER EED SUPPLY F	ITCH LL BE SET T FAN		SEER D	REQUAL TO		FAN	DATA VOLTAGE /	SPL INDOOR UN GAS HEATI	IT SYSTEN	M DX COC	DILING W/G	DATA		OUTDO	L VOLTAGE /	WEIGHT (LBS)	BASIS OF DESIGN			FURNACE / AHU	NOTES	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE F 8. VARIABLE SPE 9. LONG LINE SE	DAMPER SHAL F CONTROL HEATER EED SUPPLY F	ITCH LL BE SET T FAN		SEER D	REQUAL TO		FAN 6) HP		SPL INDOOR UN GAS HEATI	IT SYSTEM	VI DX COC DX CABINET WIDTH	DILING W/G	AS FURNA		OUTDO	L ,		BASIS OF DESIGN CARRIER	OUTDOOR UNI			NOTES 1-9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE F 8. VARIABLE SPE 9. LONG LINE SE	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5	TO PROVIDE REFRIG. R410A R410A	SEER D 14.5 14.5	EQUAL TO ESIGN CFM OA 1400 NC	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5	FAN 6) HP 1.0 1.0	DATA VOLTAGE / PHASE 115 / 1	SPL INDOOR UN GAS HEATI EAT (°F) INPI (MB 70 80 70 60	IT SYSTER IIT ING DATA UT OUTPUT 3H) OUTPUT (MBH) 0 78 0 59	M DX COC DX CABINET WIDTH 21" 8 21" 8	COOLING COIL COOLING COIL T db/wb CAF °F TOT, 0 / 67 39. 0 / 67 40.	AS FURNA DATA DACITY (MBH) AL SENSIBL 7 31.3 5 31.8	ACE SCH E MCA 18 21.4	OUTDO ELECTRICA MOCP	L VOLTAGE / PHASE 208 / 3 208 / 1	225 300	CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00	T DX COIL 5 CAPMP4221ALA 3 CAPMP4221ALA	A 59MN7A060V21-0 A 59MN7A060V17-14	1 - 9 1 - 9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE F 8. VARIABLE SPE 9. LONG LINE SE 0. LONG LINE SE 0. LONG LINE SE 0. LONG LINE SE	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1 -2 / 08GF-2 -3 / 08GF-3	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5 3.5 2	TO PROVIDE REFRIG. R410A R410A R410A R410A R410A	SEER D 14.5 14.5 14.5 14.5	EQUAL TO ESIGN CFM OA 1400 NC 1400 NC 1400 NC 800 NC	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5 OTE 5 0.5 OTE 5 0.5 OTE 5 0.5	FAN FAN FAN HP 1.0 1.0 1.0 0.5	DATA VOLTAGE / PHASE 115 / 1 115 / 1 115 / 1 115 / 1	INDOOR UN GAS HEATI EAT (°F) INPI (MB 70 80 70 60 70 60 70 40	IT SYSTEN	DX DX CABINET EA WIDTH 8 21" 8 21" 8 21" 8 14" 8	COOLING COIL COOLING COIL T db/wb CAF °F TOT. 0 / 67 39. 0 / 67 40. 0 / 67 40. 0 / 67 24.	AS FURNA AL SENSIBL 7 31.3 5 31.8 5 31.8 2 18.1	ACE SCH E MCA 18 21.4 21.4 14.1	OUTDO ELECTRICA MOCP 30 35 35 35 25	L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1	225 300 300 175	CARRIER CARRIER CARRIER CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00	T DX COIL DX COIL CAPMP4221ALA CAPMP4221ALA CAPMP4221ALA CAPMP3014ALA	A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10	1 - 9 1 - 9 1 - 9 1 - 9 1 - 9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE H 8. VARIABLE SPE 9. LONG LINE SE 01CU 01CU 08CU 08CU 08CU	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1 -2 / 08GF-2 -3 / 08GF-3 -4 / 08CU-4	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5	TO PROVIDE REFRIG. R410A R410A R410A R410A R410A R410A	SEER D 14.5 D 14.5 1 14.5 1 14.5 1 14.5 1 14.5 1	R EQUAL TO R EQUAL TO DESIGN CFM OA 1400 NC 1400 NC 1400 NC 800 NC 1000 NC	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5 OTE 5 0.5 OTE 5 0.5 OTE 5 0.5 OTE 5 0.5	FAN 5) HP 1.0 1.0 1.0 0.5 0.5 1.0	DATA VOLTAGE / PHASE 115 / 1 115 / 1 115 / 1 115 / 1 115 / 1 115 / 1 115 / 1	SPL INDOOR UN GAS HEATI TO TO <	IT SYSTEN IIT ING DATA UT OUTPUT BH) OUTPUT O 78 O 59 O 59 O 37 O 37 O 37	DX DX CABINET EA VIDTH 8 21" 8 21" 8 14" 8 14" 8	COOLING COIL COOLING COIL T db/wb CAF °F TOT, 0 / 67 39. 0 / 67 40. 0 / 67 24. 0 / 67 30.	AS FURNA DATA PACITY (MBH) AL SENSIBL 7 31.3 5 31.8 5 31.8 2 18.1 0 22.9	ACE SCH MCA 18 21.4 21.4 21.4 14.1 14.1	OUTDO ELECTRICA MOCP 30 35 35 25 25 25 25	L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 1 208 / 1	225 300 300 175 205	CARRIER CARRIER CARRIER CARRIER CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00	T DX COIL DX COIL CAPMP4221ALA CAPMP4221ALA CAPMP4221ALA CAPMP3014ALA CAPMP3014ALA	A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10	1 - 9 1 - 9 1 - 9 1 - 9 1 - 9 1 - 9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE H 8. VARIABLE SPE 9. LONG LINE SE 01CU 01CU 08CU 08CU 08CU 08CU 08CU 12CU	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1 -2 / 08GF-2 -3 / 08GF-3 -4 / 08CU-4 -1 / 12GF-1 -3 / 12GF-3	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5 3.5 2 2.5 4 3.3	TO PROVIDE REFRIG. R410A R410A R410A R410A R410A R410A R410A R410A	SEER D 14.5 D 14.5 1 14.5 1 14.5 1 14.5 1 14.5 1 14.5 1 14.0 1	R EQUAL TO R EQUAL TO DESIGN CFM OA 1400 NC 1200 NC	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5	FAN 5) HP 1.0 1.0 1.0 0.5 0.5 1.0 0.5	DATA VOLTAGE / PHASE 115 / 1 115 / 1	SPL INDOOR UN GAS HEATI EAT (°F) INPI (MB 70 80 70 60 70 60 70 40 70 40 70 80 70 80 70 80 70 80	IT SYSTEN IIT IIT ING DATA OUTPUT UT OUTPUT 3H) 78 0 59 0 59 0 37 0 37 0 78 0 59 0 37 0 78 0 37 0 59 0 78 0 59	Jacobia DX CABINET EA WIDTH 8 21" 8 21" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8	OILING W/G COOLING COIL T db/wb CAF °F TOT 0 / 67 39. 0 / 67 40. 0 / 67 24. 0 / 67 30. 0 / 67 44. 0 / 67 33	AL SENSIBL 7 31.3 5 31.8 5 31.8 5 31.8 5 31.8 2 18.1 0 22.9 5 31.8 2 18.1 0 22.9	ACE SCH MCA 18 21.4 21.4 21.4 14.1 14.1 14.1 14.1 14.5	OUTDO ELECTRICA MOCP 30 35 35 25 25 25 25 30 30 20	L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 1 208 / 3 208 / 3	225 300 300 175 205 225 170	CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00 24ABB348A00 24ABB348A00	T DX COIL DX C	A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14	1 - 9 1 - 9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE H 8. VARIABLE SPE 9. LONG LINE SE 01CU 01CU 08CU 08CU 08CU 08CU 08CU 12CU 12CU	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1 -2 / 08GF-2 -3 / 08GF-3 -4 / 08CU-4 -1 / 12GF-1	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5 3.5 2	REFRIG. R410A R410A R410A R410A R410A R410A R410A R410A	SEER D 14.5 D 14.5 1 14.5 1 14.5 1 14.5 1 14.5 1 14.0 1 14.0 1 14.0 1	REQUAL TO REQUAL TO DESIGN OA 1400 NC 1000 NC 1000 NC	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5	FAN 5) HP 1.0 1.0 1.0 0.5 0.5 1.0 0.5 0.5	DATA VOLTAGE / PHASE 115 / 1 115 / 1	SPL INDOOR UN GAS HEATI GAS (°F) INPI TO 80 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 60 70 80 70 80 70 80 70 80	IT SYSTEN IIT ING DATA ING DATA OUTPUT WT OUTPUT 0 78 0 59 0 59 0 37 0 37 0 78 0 59 0 37 0 78 0 37 0 37 0 59 0 37	DX DX CABINET EA WIDTH 21" 21" 8 21" 8 21" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8	COOLING COIL COOLING COIL °F TOT 0 / 67 39. 0 / 67 40. 0 / 67 40. 0 / 67 39. 0 / 67 39. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 44.	AS FURNA ACITY (MBH) AL SENSIBL 7 31.3 5 31.8 5 31.8 5 31.8 2 18.1 0 22.9 5 31.8 2 18.1 0 22.9 5 31.8 2 2.9	ACE SCH MCA E MCA 18 21.4 21.4 14.1 14.1 14.1 17.8	OUTDO ELECTRICA MOCP 30 35 35 35 25 25 25 25 30	L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 1 208 / 3	225 300 300 175 205 225 170 136	CARRIER CARRIER CARRIER CARRIER CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00 24ABB348A00 24ABB336A00 24ABB330A00	T DX COIL 5 CAPMP4221ALA 3 CAPMP4221ALA 3 CAPMP4221ALA 3 CAPMP3014ALA 3 CAPMP3014ALA 5 CAPMP3617ALA 5 CAPMP3014ALA	A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14	1 - 9 1 - 9 1 - 9 1 - 9 1 - 9 1 - 9 1 - 9	
5. OUTSIDE AIR I 6. LOW AMBIENT 7. CRANKCASE H 8. VARIABLE SPE 9. LONG LINE SE 01CU 01CU 08CU 08CU 08CU 08CU 08CU 12CU 12CU	DAMPER SHAL CONTROL HEATER EED SUPPLY F T MARK NO. -4 / 01GF-4 -1 / 08CU-1 -2 / 08GF-2 -3 / 08GF-3 -4 / 08CU-4 -1 / 12GF-1 -3 / 12GF-3 -4 / 12GF-3 -4 / 12GF-5 -6 / 12GF-5	ITCH LL BE SET T FAN NOMINAL TONS 3.5 3.5 3.5 2 2.5 4 3.3	TO PROVIDE REFRIG. R410A R410A R410A R410A R410A R410A R410A R410A R410A R410A	SEER D 14.5 D 14.5 1 14.5 1 14.5 1 14.5 1 14.5 1 14.0 1 14.0 1 14.0 1 14.0 1	R EQUAL TO R EQUAL TO DESIGN CFM 1400 1000 1200 1850	A CFM E.S.P. (IN WG) OTE 5 0.5 OTE 5 0.5	FAN HP 1.0 1.0 1.0 0.5 0.5 1.0 0.5 0.5 1.0	DATA VOLTAGE / PHASE 115 / 1 115 / 1	SPL INDOOR UN GAS HEATI CAT (°F) INPI (MB 70 80 70 60 70 60 70 40 70 40 70 80 70 8	IT SYSTEN IIT ING DATA UT OUTPUT (MBH) 78 59 37 0 59 37 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 78 0 37 0 37 0 <th colspa="</td"><td>VIDX COC CABINET VIDTH 21" 8 21" 8 21" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14"</td><td>COOLING COIL COOLING COIL TOT °F TOT 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 30. 0 / 67 30. 0 / 67 44. 0 / 67 33 0 / 67 27</td><td>AS FURNA PACITY (MBH) AL SENSIBL 7 31.3 5 31.8 5 31.8 5 31.8 2 18.1 0 22.9 5 31.8 2 18.1 0 22.9</td><td>ACE SCH MCA E MCA 18 21.4 21.4 21.4 14.1 14.1 14.1 14.1 14.5 11.2</td><td>OUTDO ELECTRICA MOCP 30 35 35 25 25 25 25 30 20 20</td><td>L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 3 208 / 3 208 / 3 208 / 3</td><td>225 300 300 175 205 225 170 136 230</td><td>CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER</td><td>OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00 24ABB348A00 24ABB336A00 24ABB330A00 24ABB330A00</td><td>T DX COIL DX COIL D</td><td>A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10</td><td>1 - 9 1 - 9</td></th>	<td>VIDX COC CABINET VIDTH 21" 8 21" 8 21" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14"</td> <td>COOLING COIL COOLING COIL TOT °F TOT 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 30. 0 / 67 30. 0 / 67 44. 0 / 67 33 0 / 67 27</td> <td>AS FURNA PACITY (MBH) AL SENSIBL 7 31.3 5 31.8 5 31.8 5 31.8 2 18.1 0 22.9 5 31.8 2 18.1 0 22.9</td> <td>ACE SCH MCA E MCA 18 21.4 21.4 21.4 14.1 14.1 14.1 14.1 14.5 11.2</td> <td>OUTDO ELECTRICA MOCP 30 35 35 25 25 25 25 30 20 20</td> <td>L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 3 208 / 3 208 / 3 208 / 3</td> <td>225 300 300 175 205 225 170 136 230</td> <td>CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER</td> <td>OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00 24ABB348A00 24ABB336A00 24ABB330A00 24ABB330A00</td> <td>T DX COIL DX COIL D</td> <td>A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10</td> <td>1 - 9 1 - 9</td>	VIDX COC CABINET VIDTH 21" 8 21" 8 21" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14" 8 14"	COOLING COIL COOLING COIL TOT °F TOT 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 40. 0 / 67 30. 0 / 67 30. 0 / 67 44. 0 / 67 33 0 / 67 27	AS FURNA PACITY (MBH) AL SENSIBL 7 31.3 5 31.8 5 31.8 5 31.8 2 18.1 0 22.9 5 31.8 2 18.1 0 22.9	ACE SCH MCA E MCA 18 21.4 21.4 21.4 14.1 14.1 14.1 14.1 14.5 11.2	OUTDO ELECTRICA MOCP 30 35 35 25 25 25 25 30 20 20	L VOLTAGE / PHASE 208 / 3 208 / 1 208 / 1 208 / 1 208 / 1 208 / 3 208 / 3 208 / 3 208 / 3	225 300 300 175 205 225 170 136 230	CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER CARRIER	OUTDOOR UNI 24ABBB342A00 24APB642A00 24APB642A00 24APB624A00 24APB603A00 24ABB348A00 24ABB336A00 24ABB330A00 24ABB330A00	T DX COIL DX COIL D	A 59MN7A060V21-0 A 59MN7A060V17-14 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10 A 59SP2A040E14-10 A 59MN7A080V21-20 A 59MN7A060V17-14 A 59SP2A040E14-10	1 - 9 1 - 9

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	FEB 2020	B-3 DESIGN SUBMITTAL	
ISSUE	DATE	DESCRIPTION	

PROJECT MANAGER	N. OVERBY
DESIGNED BY:	D. WORLEY
DRAWN BY:	D. WORLEY
CHECKED BY:	M. DIMOFF
CONTRACT #:	W91242-18-F-0130
ANG PROJECT #:	WEFM142600
HDR PROJECT #:	10137117
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REPLACE HVAC SYSTEMS BASE WIDE - STANLY CO.

NC AIR NATIONAL GUARD 145TH AIRLIFT WING NEW LONDON, NC

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В

D

С

STANLY COUNTY AIR NATIONAL GUARD STATION STANLY COUNTY AIRPORT

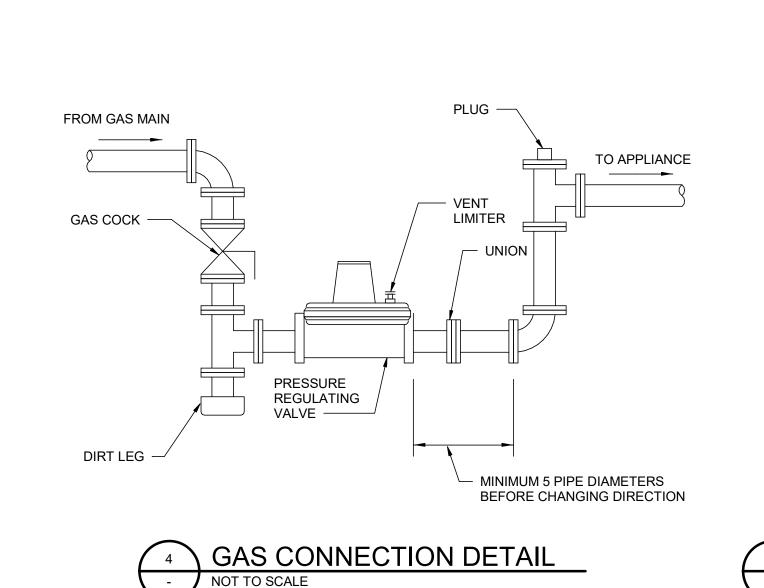
MECHANICAL SCHEDULES

SCALE NONE

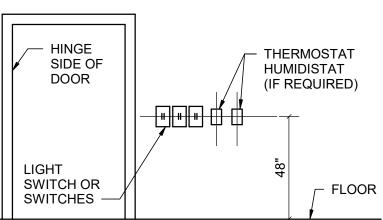
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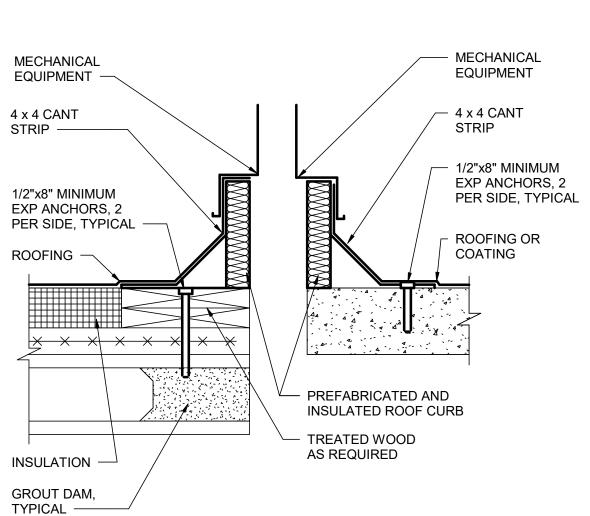
NOT TO SCALE



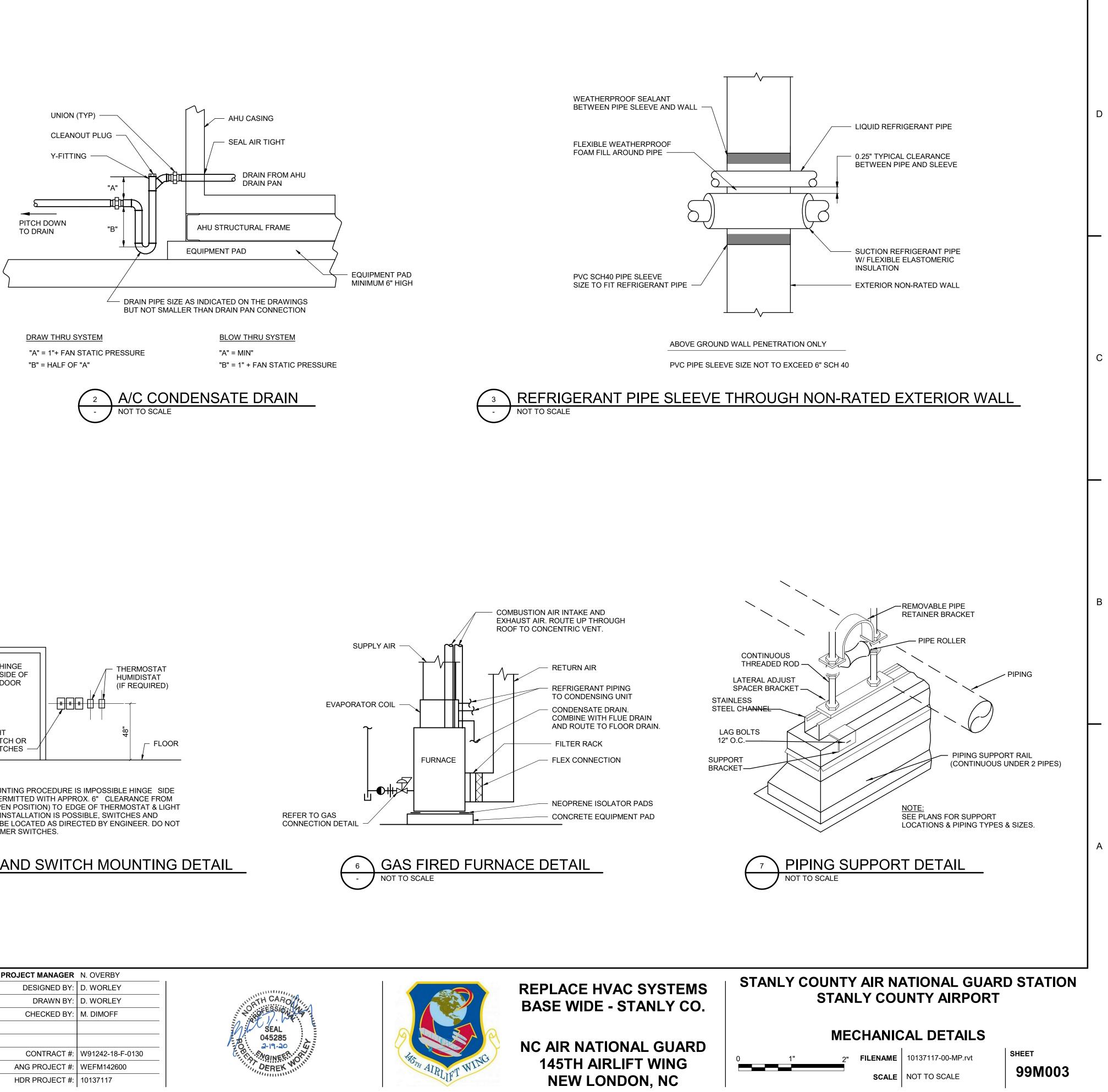
NOTE:

NOT TO SCALE

PREFABRICATED AND INSULATED ROOF CURB **: 4** - : : : TREATED WOOD AS REQUIRED ROOF CURB PENETRATION

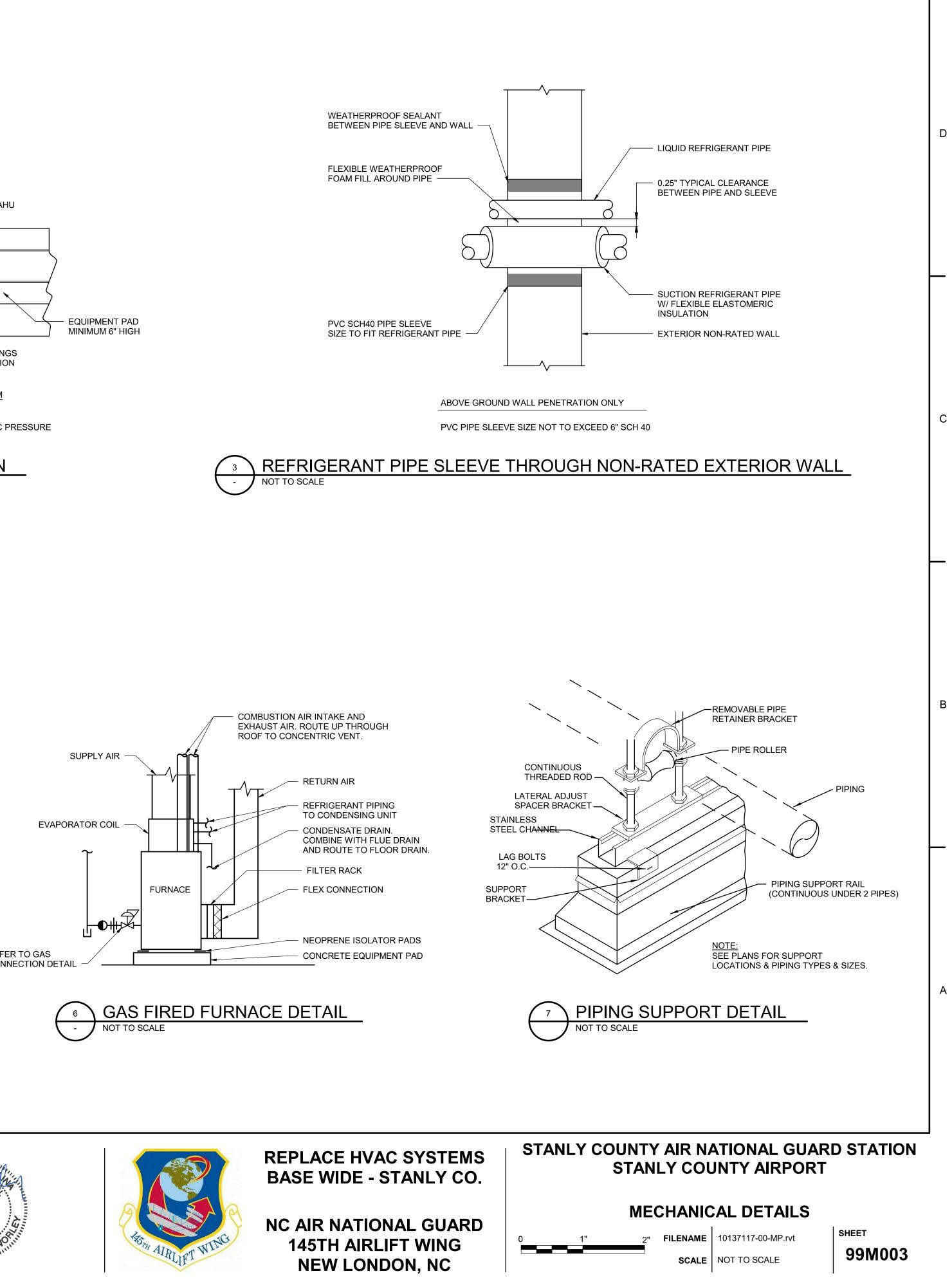


2



1. WHEN ABOVE MOUNTING PROCEDURE IS IMPOSSIBLE HINGE SIDE MOUNTING WILL BE PERMITTED WITH APPROX. 6" CLEARANCE FROM EDGE OF DOOR (IN OPEN POSITION) TO EDGE OF THERMOSTAT & LIGHT SWITCH. IF NEITHER INSTALLATION IS POSSIBLE, SWITCHES AND CONTROLS SHALL BE LOCATED AS DIRECTED BY ENGINEER. DO NOT INSTALL ABOVE DIMMER SWITCHES.

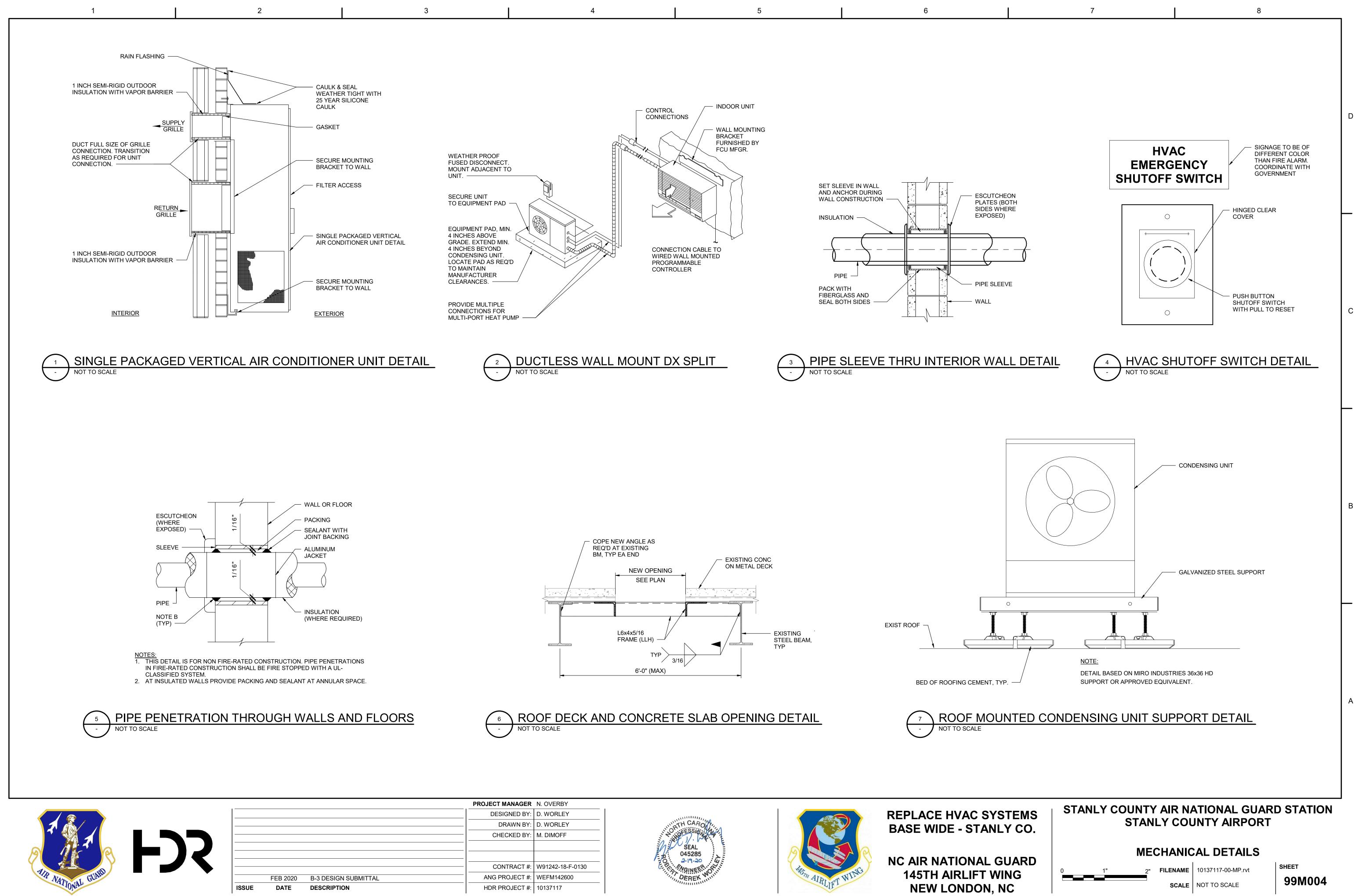




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37.53

