

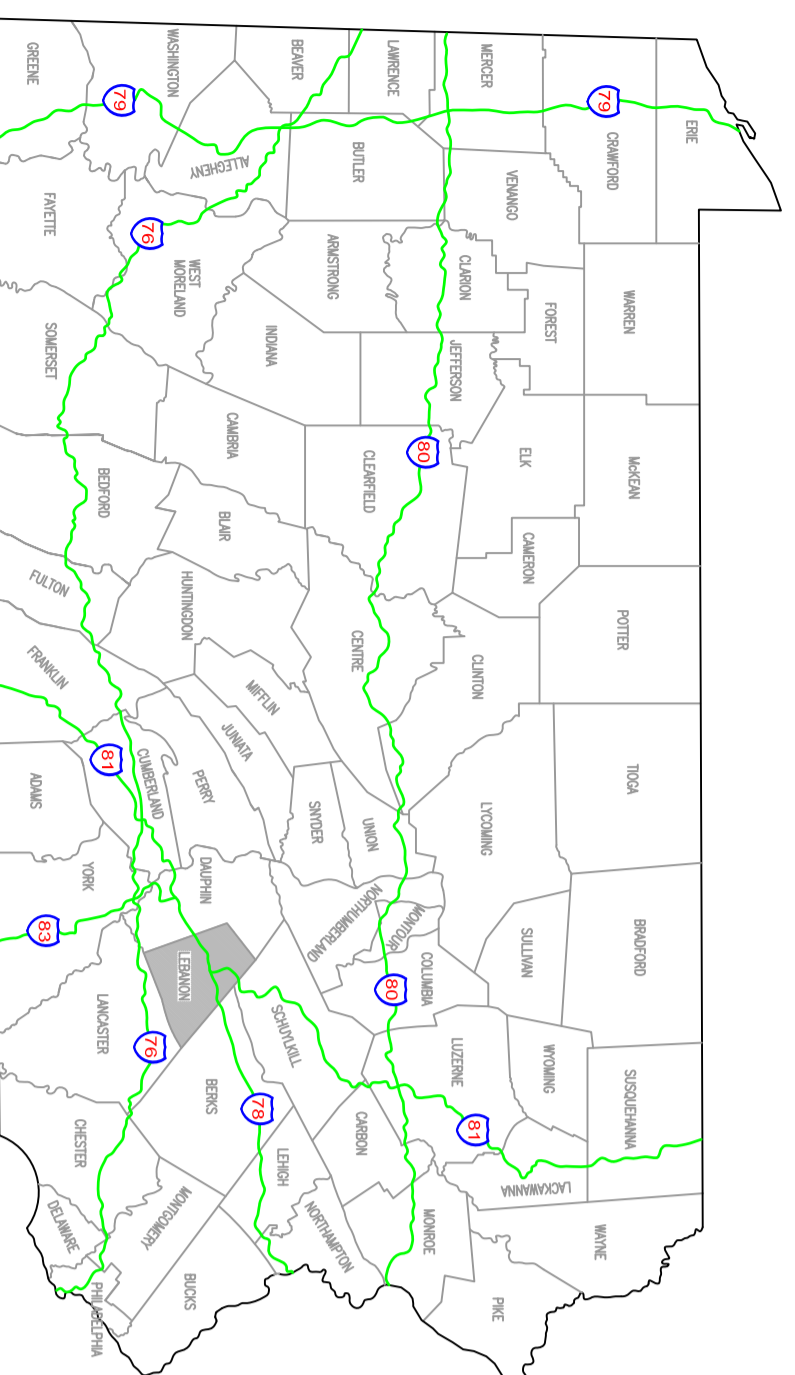
# 19-101 HANGGAR HVAC & LED REPLACEMENT ANNVILLE, LEBANON CO. PROJECT No: 42170094

PENNSYLVANIA DEPARTMENT OF MILITARY & VETERANS AFFAIRS  
BUREAU OF MILITARY CONSTRUCTION AND ENGINEERING  
FORT INDIANTOWN GAP, ANNVILLE, PA 17003

**PROJECT DESIGN**  
DIVISION OF ENGINEERING & ARCHITECTURE  
BUILDING 0-10, FORT INDIANTOWN GAP  
ANNVILLE, PENNSYLVANIA 17003  
PH: 717.861.8343  
FAX: 717.861.8583

**CONTRACTING OFFICE**  
DMVA ADMINISTRATIVE SERVICES/PURCHASING  
PROCUREMENT & CONTRACTING OFFICE  
BUILDING 0-47, FORT INDIANTOWN GAP  
ANNVILLE, PENNSYLVANIA 17003  
PH: 717.861.8794  
FAX: 717.861.2932

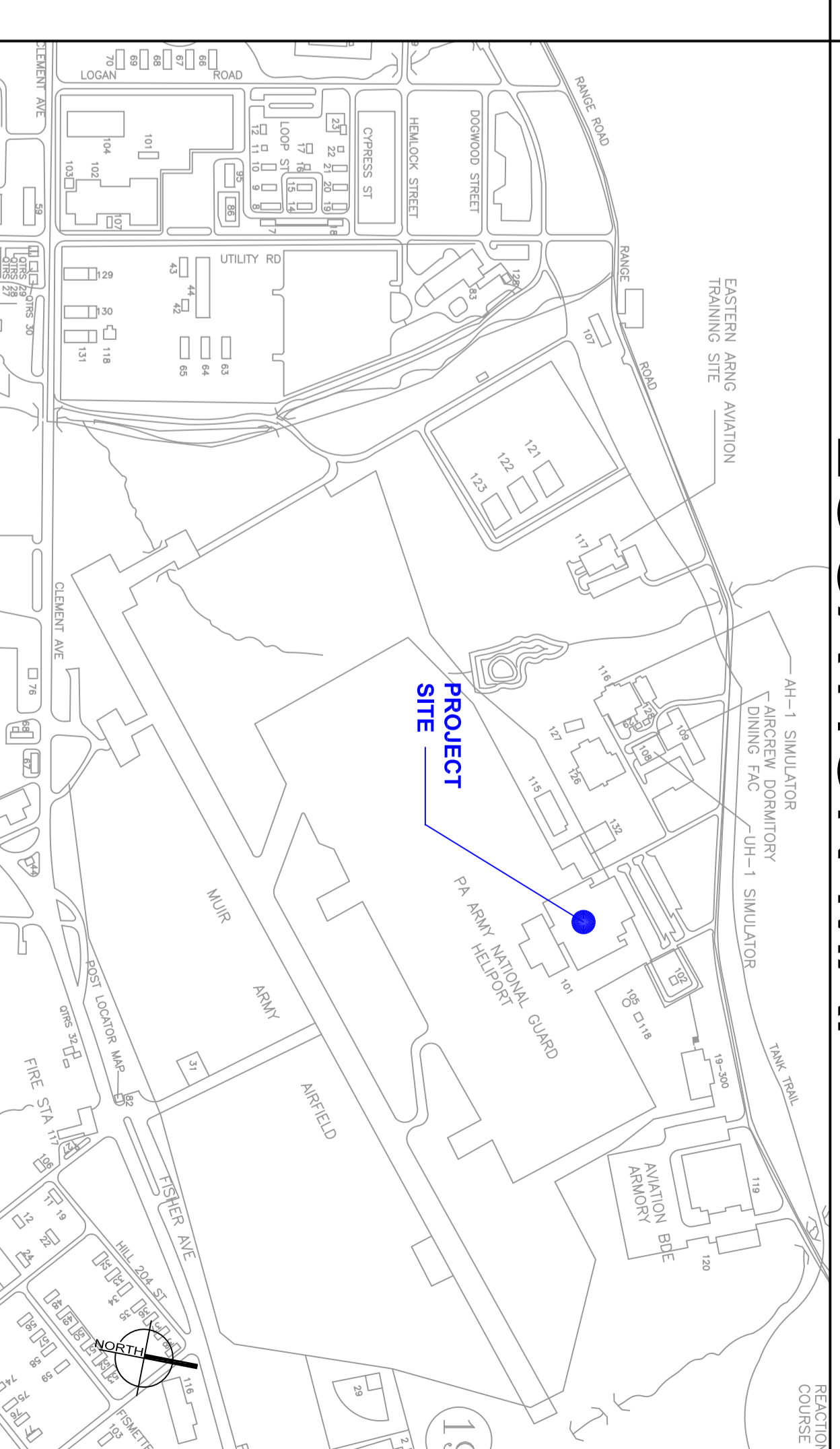
VICINITY MAP

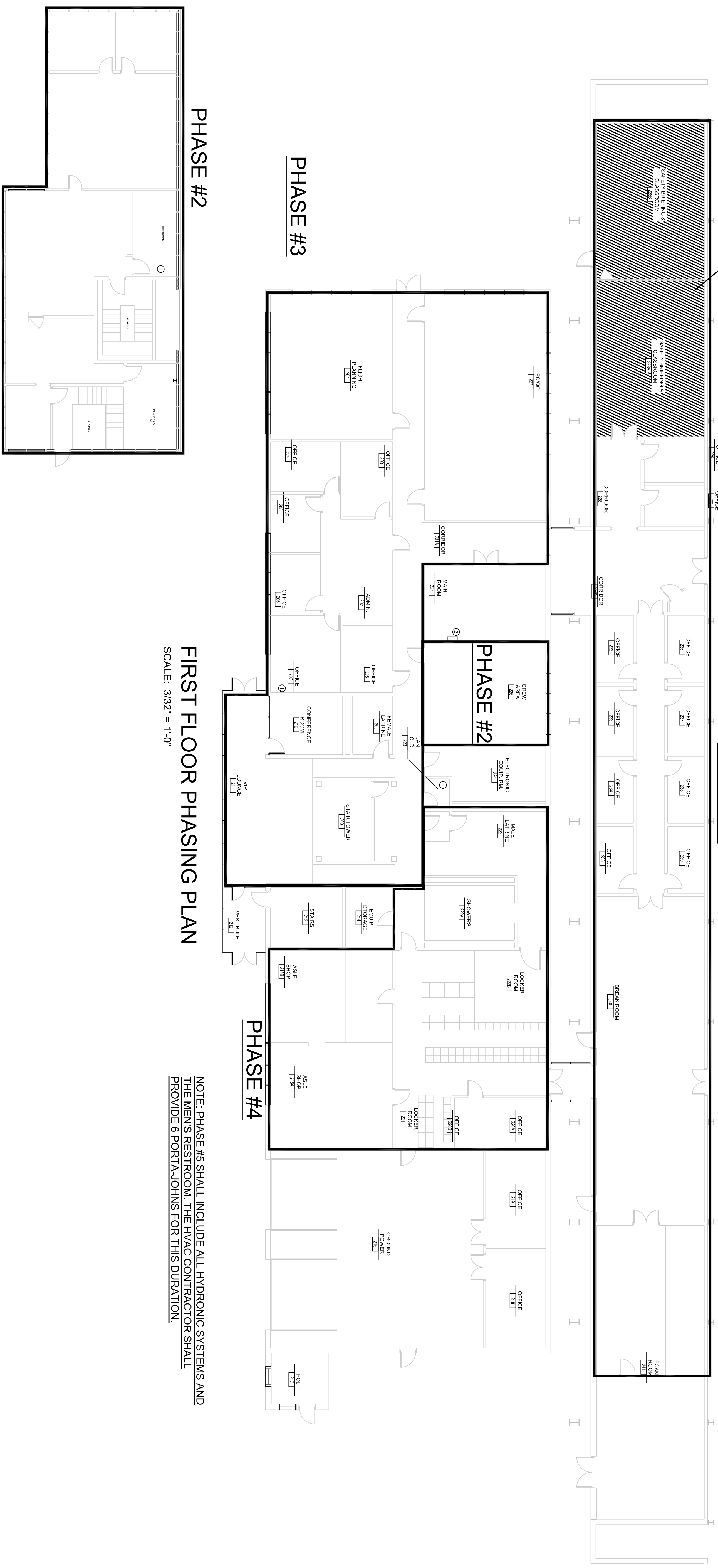


DRAWING INDEX

G-1.1 COVER SHEET	GENERAL
A-1.1 CEILING GRID AND TILE PLANS AND DETAILS	ARCHITECTURAL
A-2.1 TOILET ROOM RENOVATION PLANS AND DETAILS	
M-1.1 HVAC DEMOLITION PLANS	HVAC
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M-2.3 HVAC ROOF PLANS	
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E-1.2 ROOF DEMO PLAN	
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E-3.1 POWER PLAN	
E-3.2 ROOF POWER PLAN	

LOCATION MAP





THIS AREA TO BE UTILIZED FOR SWING SPACE - PHASE #2,3,4,5

PHASE #1

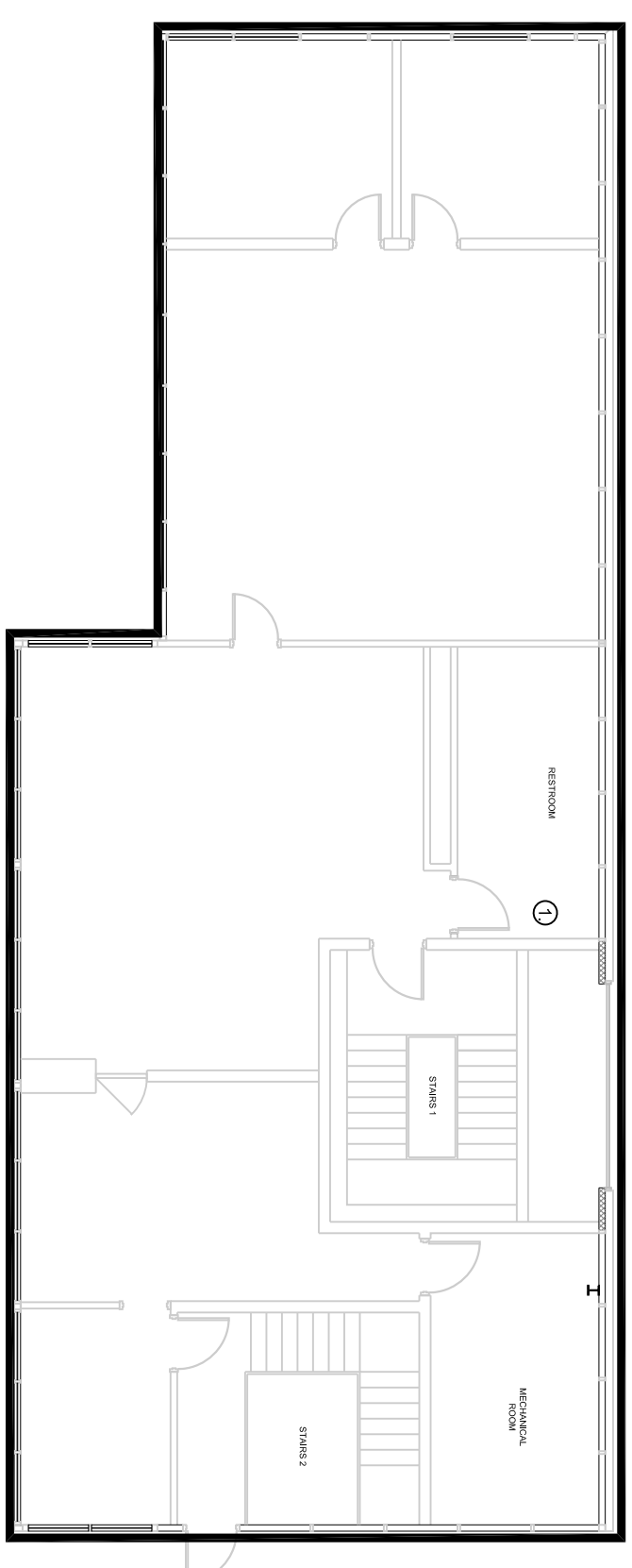
PHASE #3

PHASE #2

PHASE #4

**SECOND FLOOR PHASING PLAN**

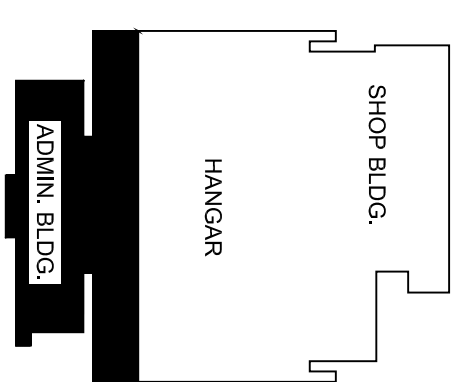
SCALE: 3/32" = 1'-0"



**FIRST FLOOR PHASING PLAN**

SCALE: 3/32" = 1'-0"

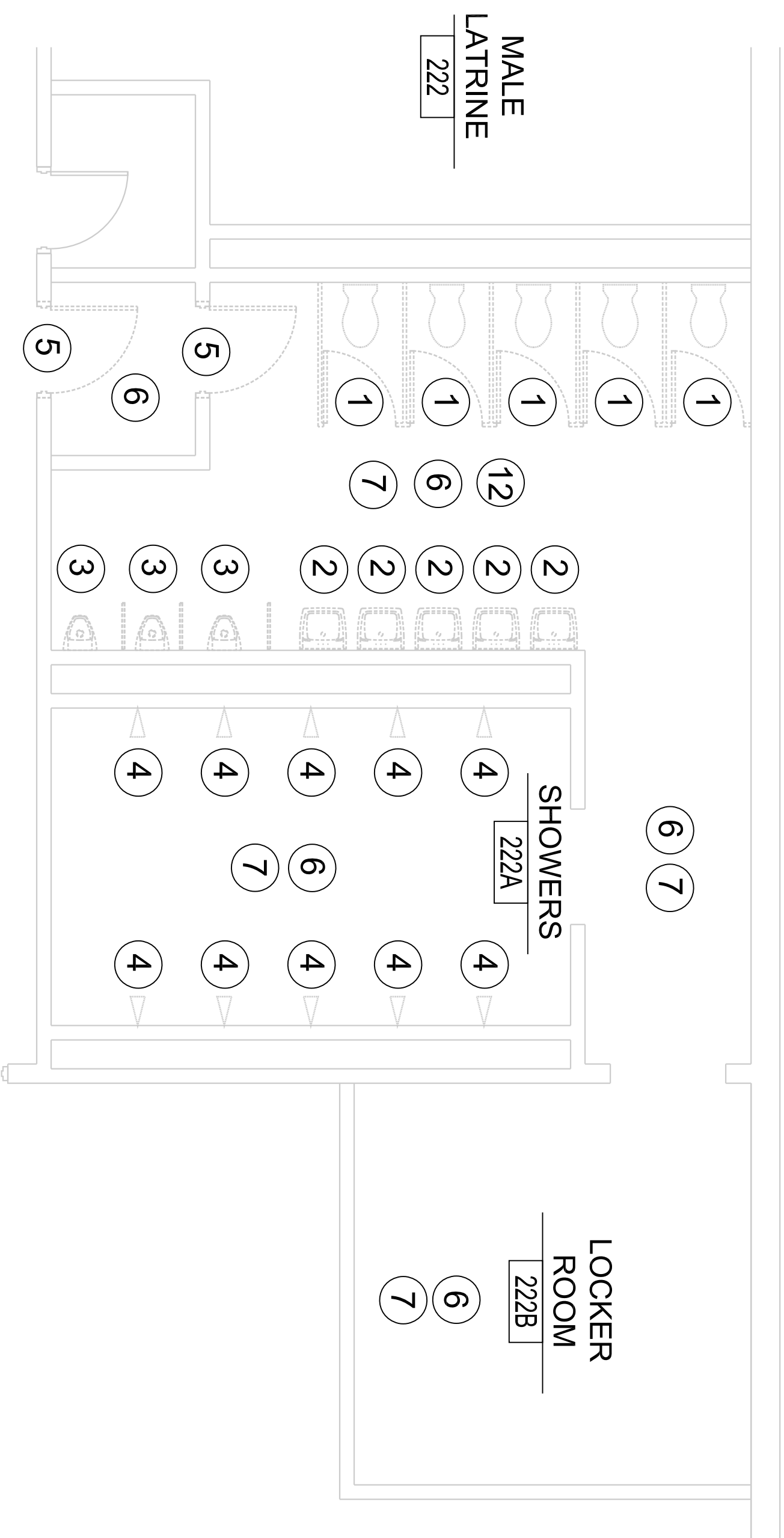
NOTE: PHASE #5 SHALL INCLUDE ALL HYDRONIC SYSTEMS AND THE MEN'S RESTROOM. THE HVAC CONTRACTOR SHALL PROVIDE 6 PORT-A-JOHN'S FOR THIS DURATION.



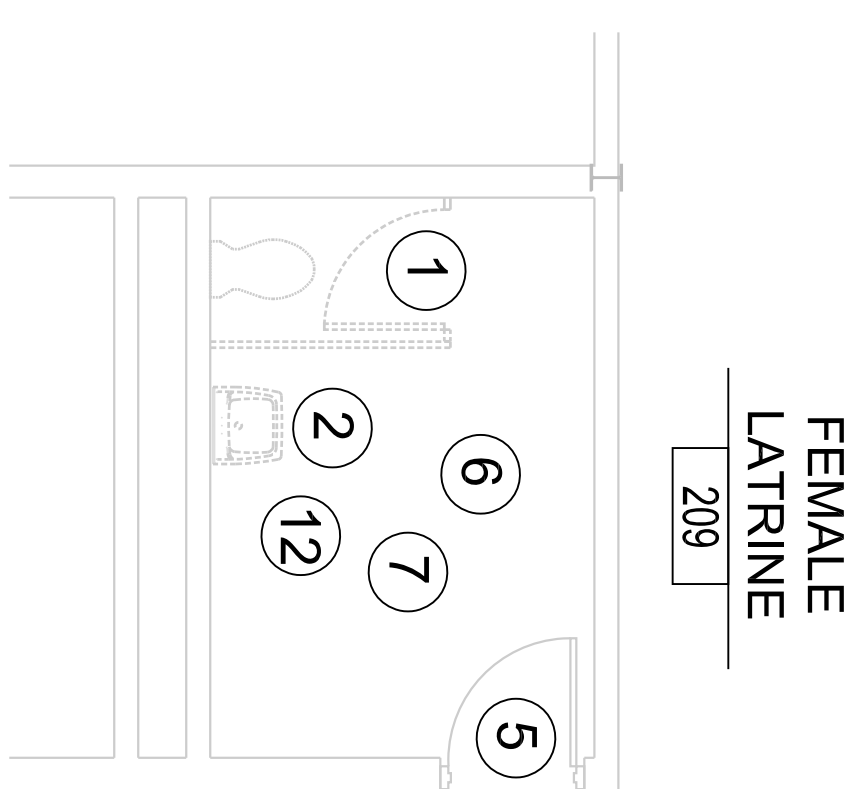
KEY PLAN  
NOT TO SCALE

DRAWING NO. <b>G.1.2</b>	DRAWING: RENOVATION PHASING PLAN		DESIGNED BY C. KITA		DATE 24-JUNE-2020	REVISIONS		PROJECT: 19-101 HANGAR HVAC & LED REPLACEMENT	LOCATION: FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING G-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003
			DRAWN BY C. KITA		PROJECT NO. 42190079	NO. DATE DESCRIPTION				
			REVIEWED BY B. TOEVS		SCALE AS NOTED					
					ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.					

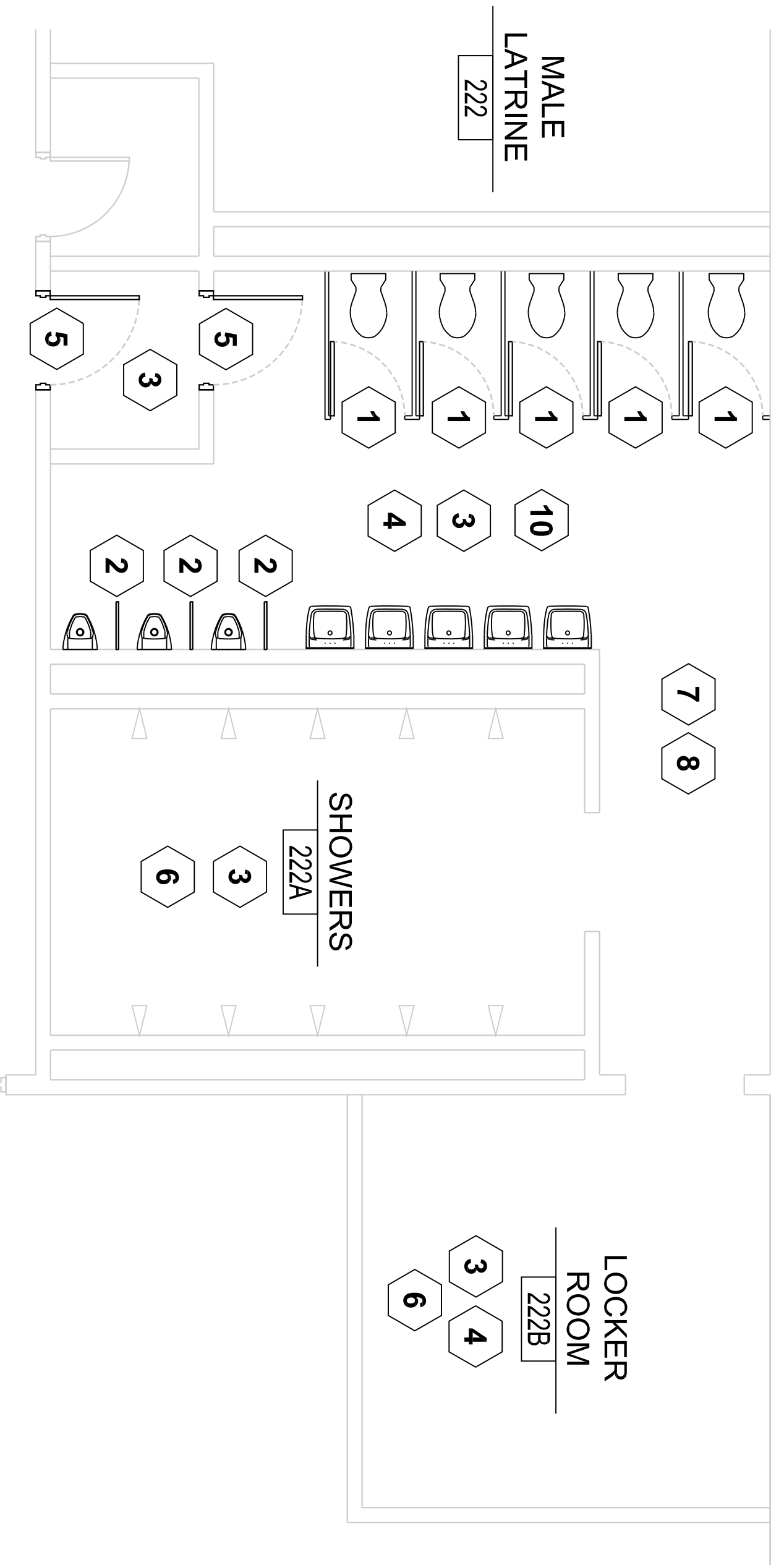




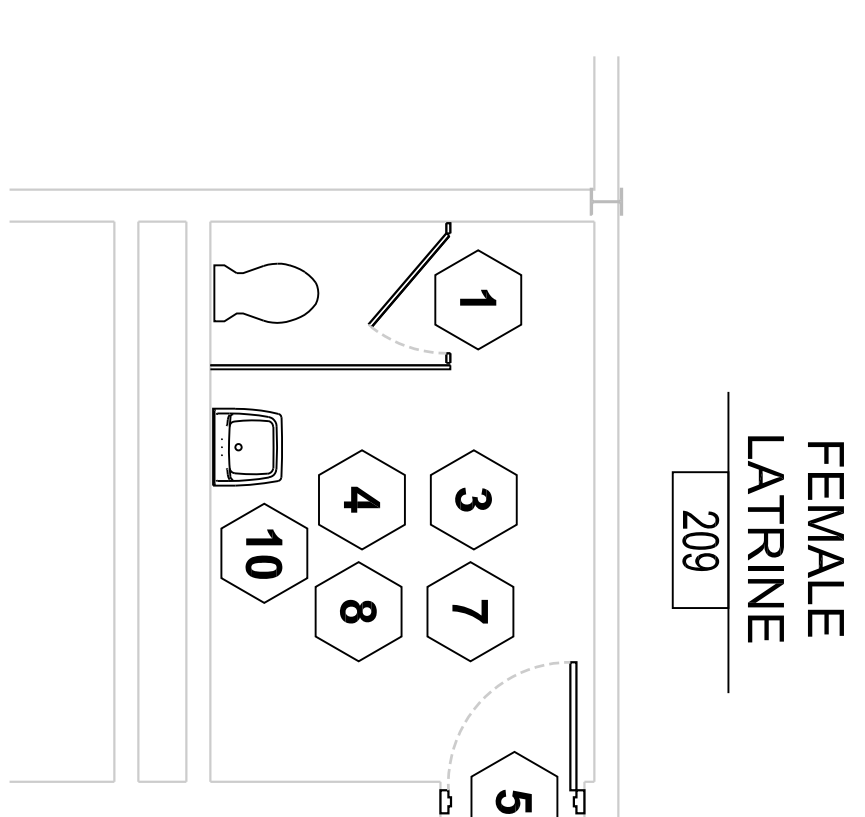
**MALE TOILET ROOM & SHOWER - DEMO**  
1/4" = 1'-0"



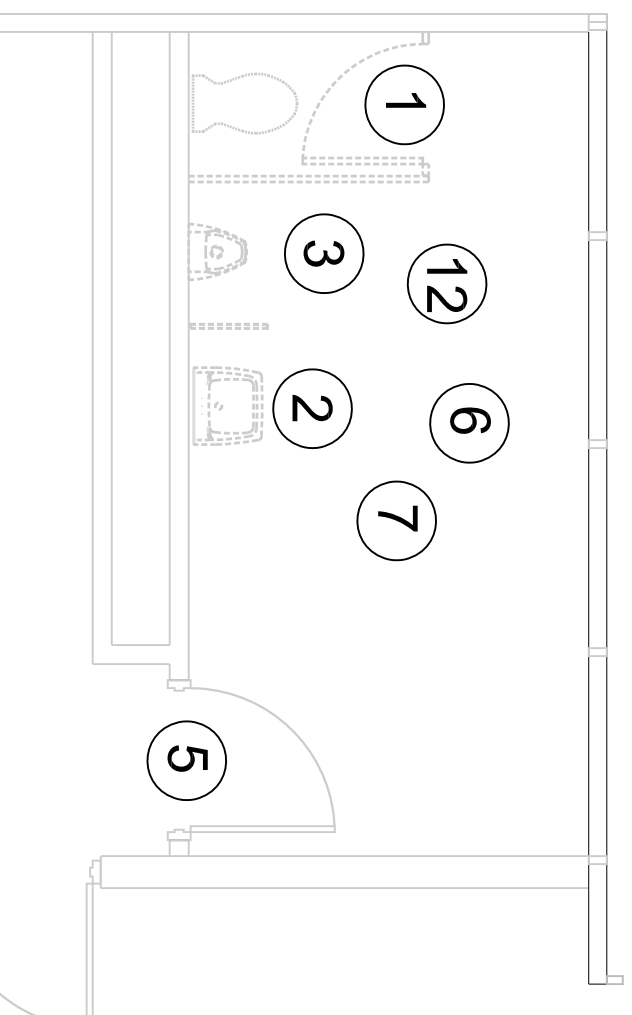
**FEMALE TOILET ROOM - DEMO**  
1/4" = 1'-0"



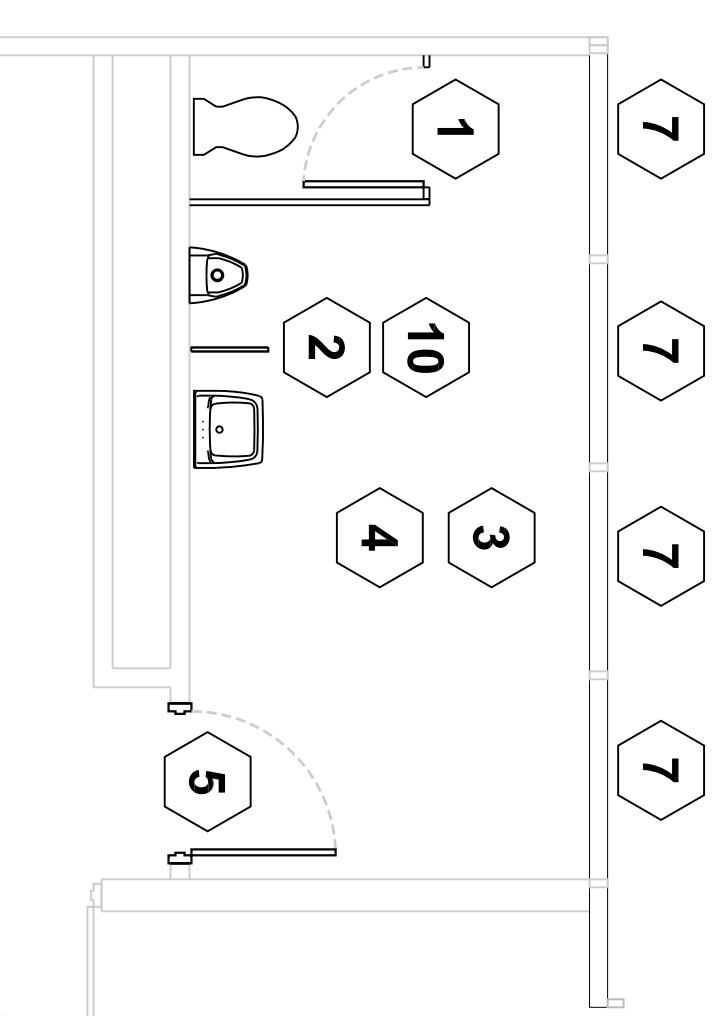
**MALE TOILET ROOM & SHOWER - NEW**  
1/4" = 1'-0"



**FEMALE TOILET ROOM - NEW**  
1/4" = 1'-0"



**2nd FLOOR TOILET ROOM - DEMO**  
1/4" = 1'-0"



**2nd FLOOR TOILET ROOM - NEW**  
1/4" = 1'-0"



**KEY PLAN - 2nd FLOOR**  
NOT TO SCALE

**KEY PLAN - 1st FLOOR**  
NOT TO SCALE

**DEMOLITION NOTES**

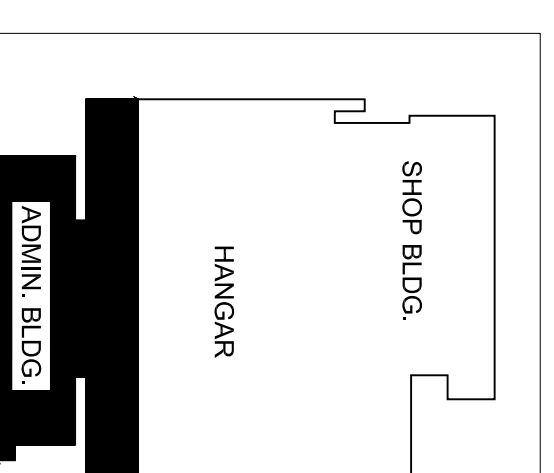
- 1 REMOVE WALL HUNG WATER CLOSETS AND TOILET PARTITIONS. PROTECT ALL EXISTING PIPING.
- 2 REMOVE EXISTING LAVATORIES. PROTECT EXISTING PIPING AND CONNECTIONS
- 3 REMOVE EXISTING URINALS AND URINAL PARTITIONS. PROTECT EXISTING PIPING.
- 4 EXISTING SHOWER HEADS AND CONTROLS TO REMAIN IN PLACE AND BE PROTECTED DURING DEMOLITION.
- 5 REMOVE EXISTING DOORS AND ASSOCIATED HARDWARE. FRAMES TO REMAIN IN PLACE.
- 6 REMOVE EXISTING FLOOR TILE. CLEAN AND PREPARE SUB-FLOOR FOR NEW TILE INSTALLATION.
- 7 REMOVE EXISTING DRYWALL CEILING.
- 8 ALL EXISTING SURFACES REMAINING AFTER DEMOLITION ARE TO BE THOROUGHLY CLEANED AND PREPARED FOR INSTALLATION OF NEW FINISHES. CONTRACTOR SHALL FOLLOW NEW FINISH MANUFACTURER'S RECOMMENDATIONS FOR PREPARATION OF EXISTING SURFACES.
- 9 ALL WORK IS TO BE COORDINATED WITH OTHER PRIME CONTRACTORS. PLUMBING CONTRACTOR (3) SHALL BE CONTACTED PRIOR TO DEMOLITION AND UPON COMPLETION OF DEMOLITION SO THAT EXISTING PIPING, VALVES, ETC. CAN BE PROPERLY PROTECTED AND UTILIZED FOR NEW FIXTURE INSTALLATION.
- 10 ALL EXISTING CERAMIC-FACED CMU IS TO BE CLEANED AND LIGHTLY SANDED IN ORDER TO PREPARE FOR PAINT COATING(S).
- 11 REMOVE EXISTING CEILING GRID SYSTEM, TO INCLUDE METAL GRID AND ACOUSTICAL TILE.
- 12 REMOVE ALL EXISTING TOILET ROOM ACCESSORIES TO INCLUDE: SOAP DISPENSERS, TOILET PAPER DISPENSERS, TOWEL DISPENSERS, SHELVING, ETC.

**CONSTRUCTION NOTES**

- 1 INSTALL NEW TOILET PARTITIONS. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 2 INSTALL NEW URINAL SCREENS. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 3 INSTALL NEW 12"x12" CERAMIC FLOOR TILE. COLOR AND TEXTURE TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 4 INSTALL NEW 24"x24" CEILING GRID AND ACOUSTICAL CEILING TILE.
- 5 INSTALL NEW DOOR FRAME AND DOOR. FRAME AND DOOR SHALL BE SIZED TO FIT EXISTING OPENING.
- 6 INSTALL NEW 5/8" GYPSUM WALL BOARD CEILING. CONTRACTOR SHALL UTILIZE MOISTURE/MILDEW RESISTANT BOARD. NEW CEILING SHALL BE FINISHED, PRIMED AND PAINTED. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 7 PAINT INTERIOR PANELS AT EXISTING WINDOW LOCATIONS. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 8 GENERAL NOTE: PAINT EXISTING CERAMIC-FACED CMU WALLS. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.
- 9 GENERAL NOTE: PAINT EXISTING CMU (STANDARD) WALLS. COLOR TO BE SELECTED BY GOVERNMENT DESIGN PROFESSIONAL.



REFERENCE NORTH



PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS  
BUR. OF MILITARY CONSTRUCTION & ENGINEERING  
DIV. OF ENGINEERING & ARCHITECTURE  
BUILDING 6-10, FORT INDIANTOWN GAP  
ANNVILLE, PENNSYLVANIA 17003

LOCATION:  
FORT INDIANTOWN GAP - AREA 19  
LEBANON COUNTY  
ANNVILLE, PA 17003

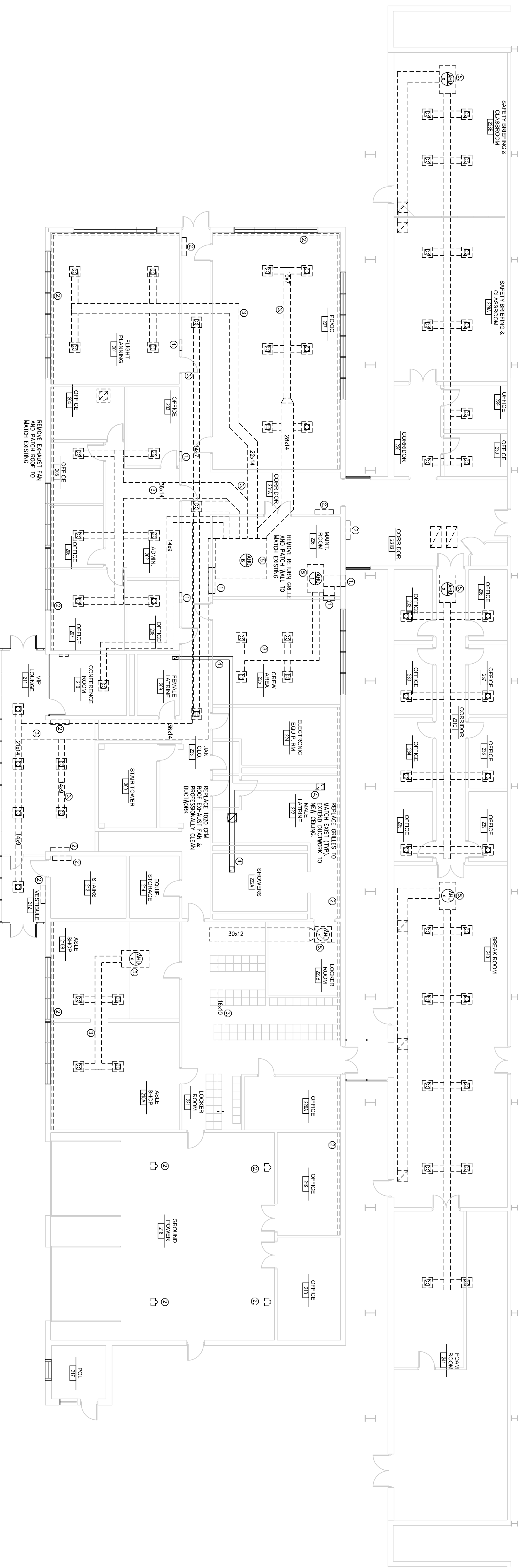
PROJECT:  
19-101 HANGER HVAC  
& LED UPGRADES

DESIGNED BY		DATE		REVISIONS	
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.

DRAWING:  
TOILET ROOM RENOVATION  
PLANS AND DETAILS

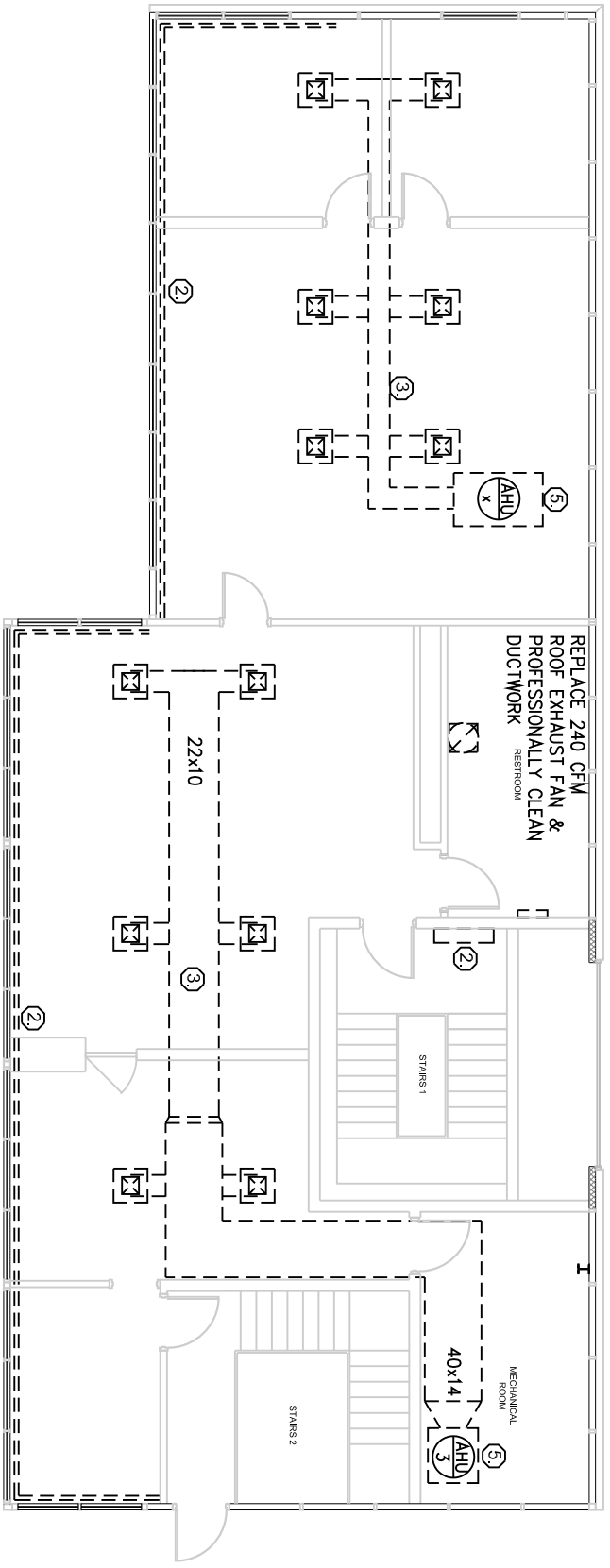
DRAWING NO.  
**A.1.2**



**SOUTH FIRST FLOOR HVAC DEMO PLAN**

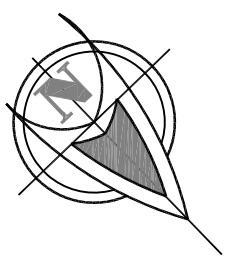
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES**
- 1 REMOVE RETURN GRILLE ON TRANSFER GRILLE. PATCH AND PAINT WALL TO MATCH EXISTING.
  - 2 REMOVE RETURN GRILLE ON TRANSFER GRILLE. PATCH AND PAINT WALL TO MATCH EXISTING. ACCESSORIES, NEW HEATER VALUES, AIR EXIT AND ACCESSORIES TO BE INSTALLED AND CONNECTED TO EXISTING PIPING. PAINT AND PATCH AROUND NEW UNIT HEATERS AS REQUIRED.
  - 3 REMOVE DUCTWORK, GRILLES, DUCTWORK, HANGARS AND ACCESSORIES.
  - 4 EXISTING DUCTWORK TO REMAIN. REMOVE EXISTING DUCTWORK AND REPLACE GRILLES TO MATCH EXISTING.
  - 5 REMOVE AIR HANDLING UNIT, COILS, DUCTWORK, PIPING, HANGARS, AND ACCESSORIES. CAP HOT WATER PIPING AS CLOSE TO THE MAIN AS POSSIBLE. EVACUATE REFRIGERANT AND REMOVE ASSOCIATED EQUIPMENT. REMOVE EXISTING REFRIGERANT AND REMOVE ASSOCIATED EQUIPMENT. CONSULT THE ROOFING MANUFACTURER PRIOR TO WORK TO MAINTAIN WARRANTY.
  - 6 REMOVE OUTSIDE AIR INTAKE ROOM AND PATCH ROOMING TO MATCH EXISTING. CONSULT THE ROOFING MANUFACTURER PRIOR TO WORK TO MAINTAIN WARRANTY.

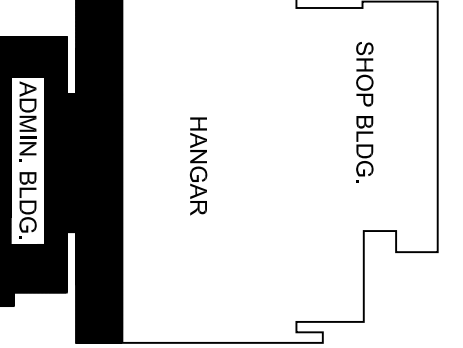


**SOUTH SECOND FLOOR HVAC DEMO PLAN**

SCALE: 1/8" = 1'-0"

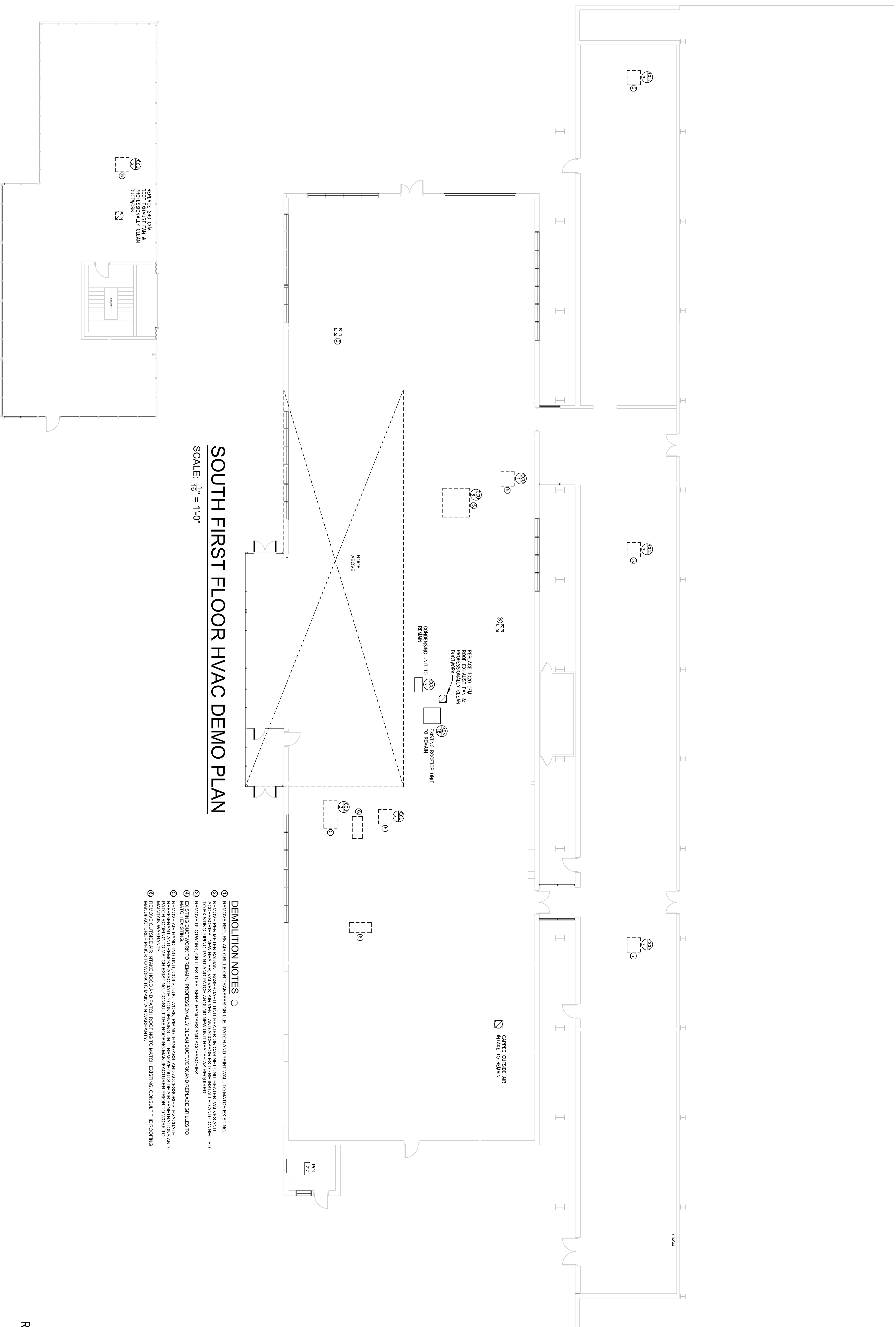


REFERENCE NORTH



KEY PLAN  
NOT TO SCALE

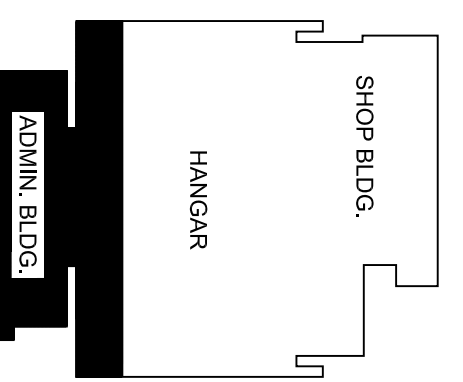
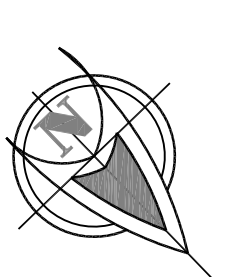
DRAWING NO. <b>M.1.1</b>	DRAWING: HVAC DEMOLITION PLANS	DESIGNED BY C. KITA	DATE 24-JUNE-2020	REVISIONS		PROJECT: 19-101 HANGAR HVAC & LED REPLACEMENT	LOCATION: FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING 6-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003
		DESIGNED BY C. KITA	DATE 42190079	NO.	DATE	DESCRIPTION		
		REVIEWED BY B. TOEVS	SCALE AS NOTED	ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.				



**SOUTH FIRST FLOOR HVAC DEMO PLAN**  
SCALE: 1/8" = 1'-0"

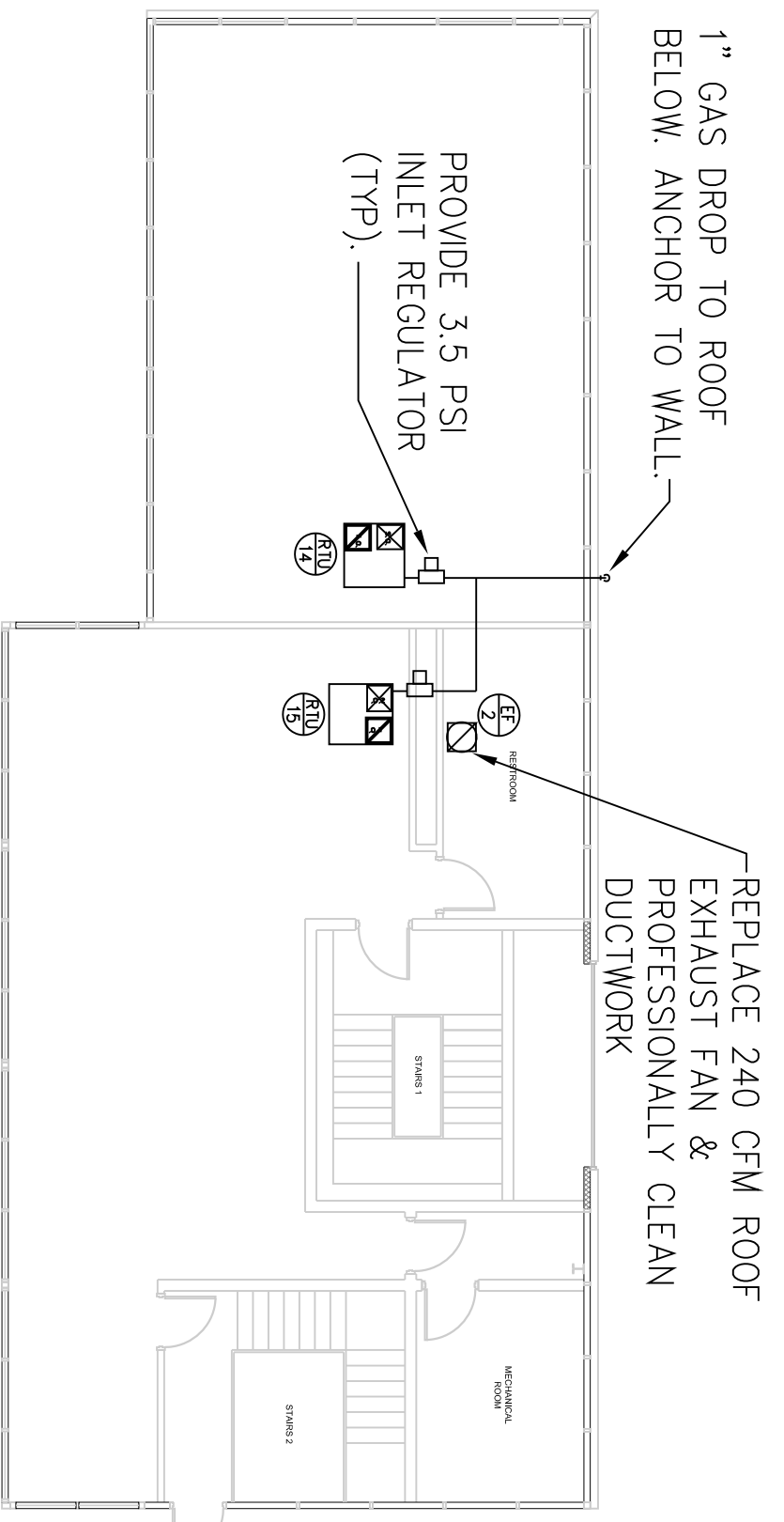
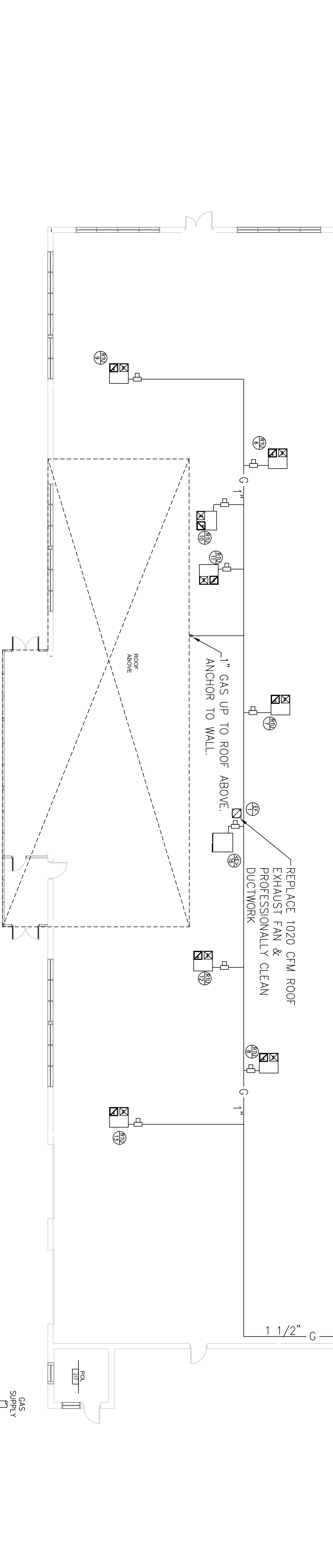
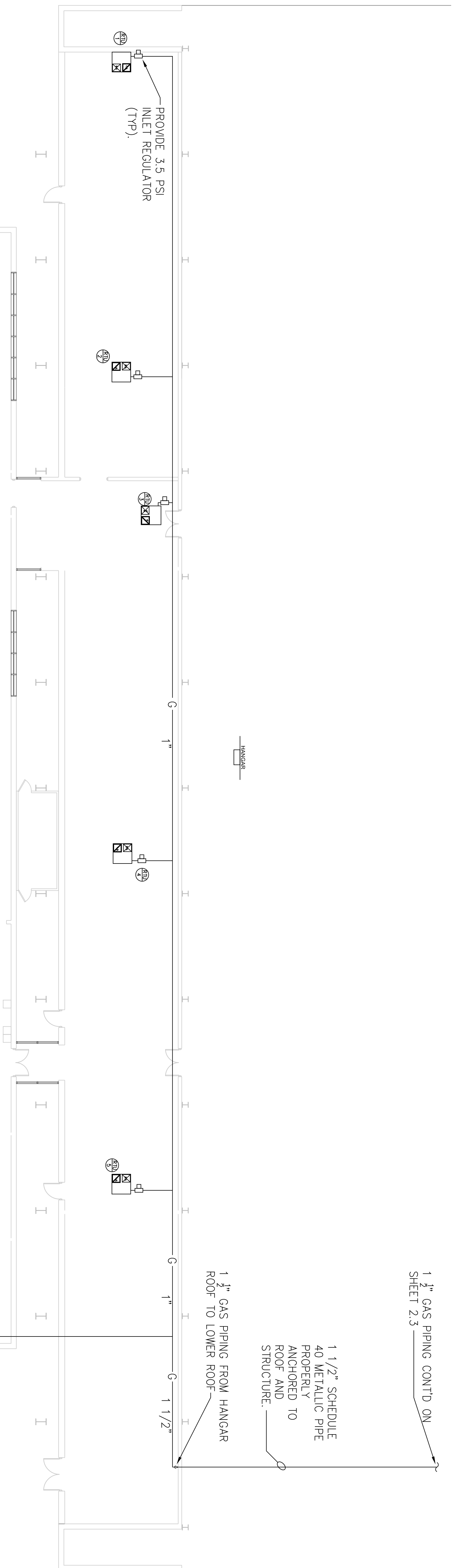
**SOUTH SECOND FLOOR HVAC DEMO PLAN**  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES**
- 1 REMOVE RETURN AIR GRILLE OR TRANSFER GRILLE. PATCH AND PAINT WALL TO MATCH EXISTING.
  - 2 REMOVE PREHEATER RADIANT BASEBOARD UNIT HEATER CABINET UNIT HEATER, VALVES AND TO EXISTING PIPING. PAINT AND PATCH AROUND NEW UNIT HEATERS AS REQUIRED.
  - 3 REMOVE DUCTWORK, GRILLES, DIFFUSERS, HANGARS AND ACCESSORIES.
  - 4 EXISTING DUCTWORK TO REMAIN. PROFESSIONALLY CLEAN DUCTWORK AND REPLACE GRILLES TO REMOVE AIR HANDLING UNIT COILS, DUCTWORK, PIPING, HANGARS, AND ACCESSORIES. EVACUATE REFERENT AND REMOVE ASSOCIATED CONDENSING UNIT. REMOVE OUTSIDE AIR PENETRATIONS AND MAINTAIN WEATHERBILITY.
  - 5 REMOVE OUTSIDE AIR INTAKE HOOD AND PATCH ROOFING TO MATCH EXISTING. CONSULT THE ROOFING MANUFACTURER FROM TO WORK TO MAINTAIN WEATHERBILITY.



DRAWING NO. <b>M.1.2</b>	DRAWING: HVAC ROOF DEMOLITION PLANS	DESIGNED BY C. KITA	DATE 24-JUNE-2020	PROJECT:  <b>19-101 HANGAR HVAC &amp; LED REPLACEMENT</b>	LOCATION:  <b>FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003</b>	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING 0-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003
		DRAWN BY C. KITA	PROJECT NO. 42190079			
		REVIEWED BY B. TOEVS	SCALE AS NOTED			
		ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.				

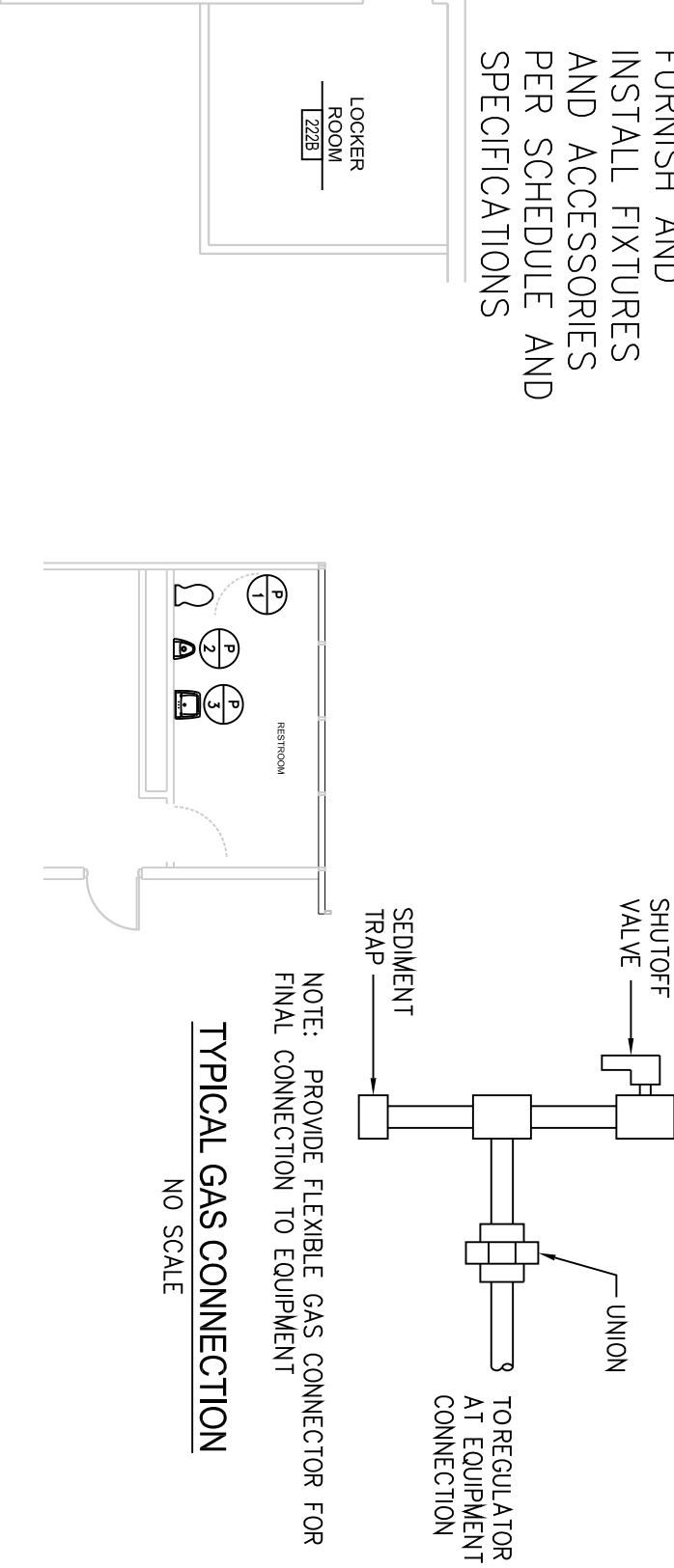




**SOUTH SECOND FLOOR ROOF HVAC PLAN**  
SCALE:  $\frac{1}{8}'' = 1'-0''$



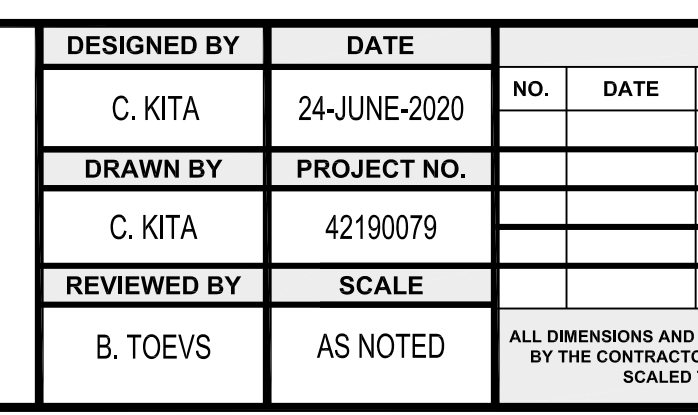
**SOUTH FIRST FLOOR ROOF HVAC PLAN**  
SCALE:  $\frac{1}{8}'' = 1'-0''$



**ENLARGED WOMEN'S ROOM**  
SCALE:  $\frac{1}{4}'' = 1'-0''$



**ENLARGED MEN'S ROOM**  
SCALE:  $\frac{1}{4}'' = 1'-0''$



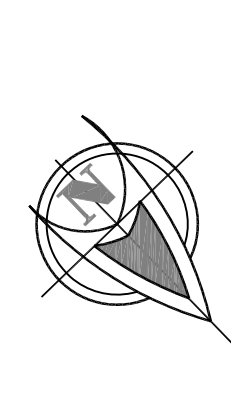
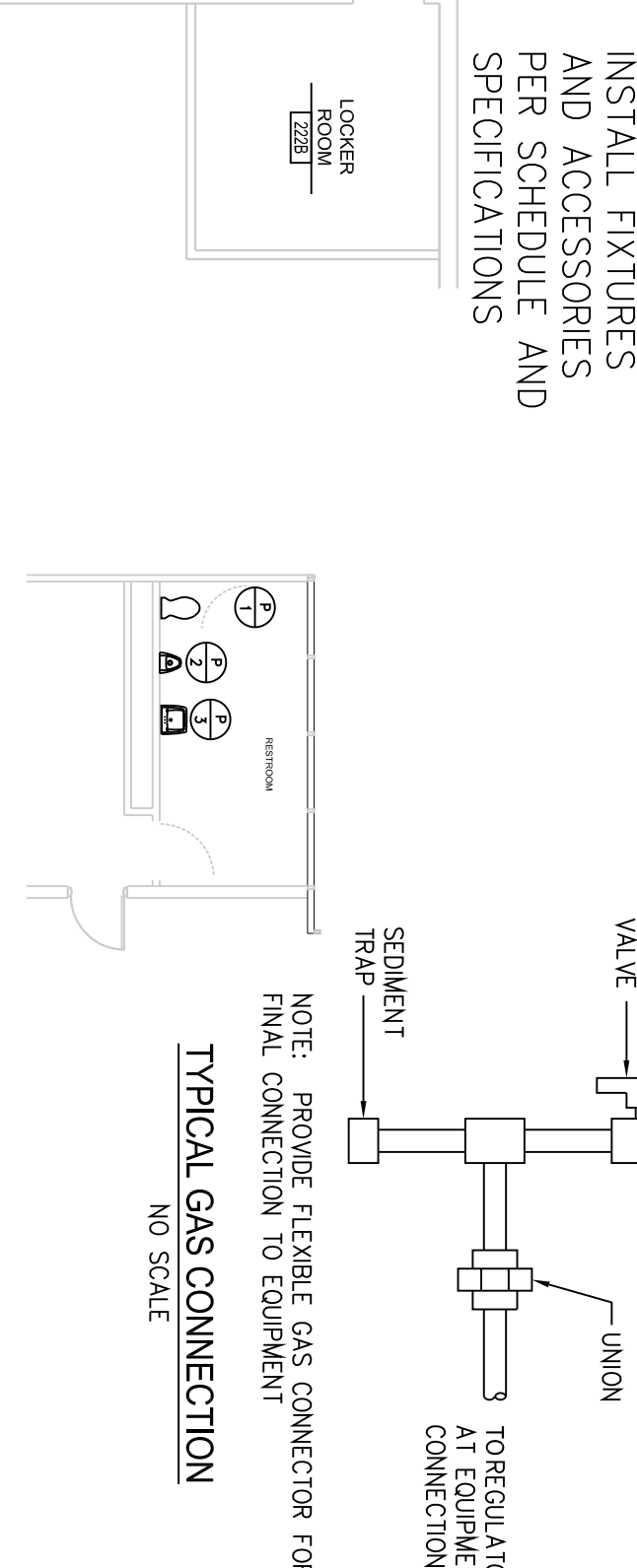
**ENLARGED 2ND FLOOR BATHROOM**  
SCALE:  $\frac{1}{4}'' = 1'-0''$

- GENERAL NOTES**
1. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING FIXTURES. THIS WORK MATERIALS REQUIRED TO MAKE ANY MODIFICATIONS TO EXISTING DOMESTIC WATER PIPING.

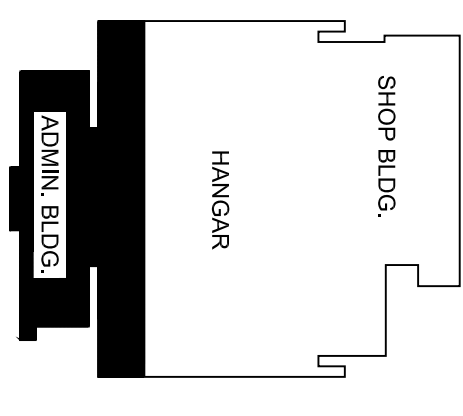
**PLUMBING FIXTURE SCHEDULE**

SYMBOL	FIXTURE DESCRIPTION	CM	IN	SN	VENT	LOADING	RIM HEIGHT	REMARKS
P-1	WATER CLOSET - FLUSH VALVE	1-1/2"	-	4"	2"	1-1/2"	EXST.	①
P-2	URINAL - FLUSH VALVE	3/4"	-	2"	1-1/2"	WALL	EXST.	①
P-3	LAVATORY - ADA - SINGLE BOWL	1/2"	1/2"	1-1/2"	1-1/4"	WALL	EXST.	①

REMARKS: ① SEE SPECIFICATIONS FOR TRADE OR DESIGN REQUIREMENTS, RIM AND ACCESSORIES.



REFERENCE NORTH



KEY PLAN  
NOT TO SCALE

PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS  
BUR. OF MILITARY CONSTRUCTION & ENGINEERING  
DIV. OF ENGINEERING & ARCHITECTURE  
BUILDING 6-10, FORT INDIANTOWN GAP  
ANNVILLE, PENNSYLVANIA 17003

LOCATION:  
FORT INDIANTOWN GAP - AREA 19  
LEBANON COUNTY  
ANNVILLE, PA 17003

PROJECT:  
19-101 HANGAR HVAC & LED REPLACEMENT

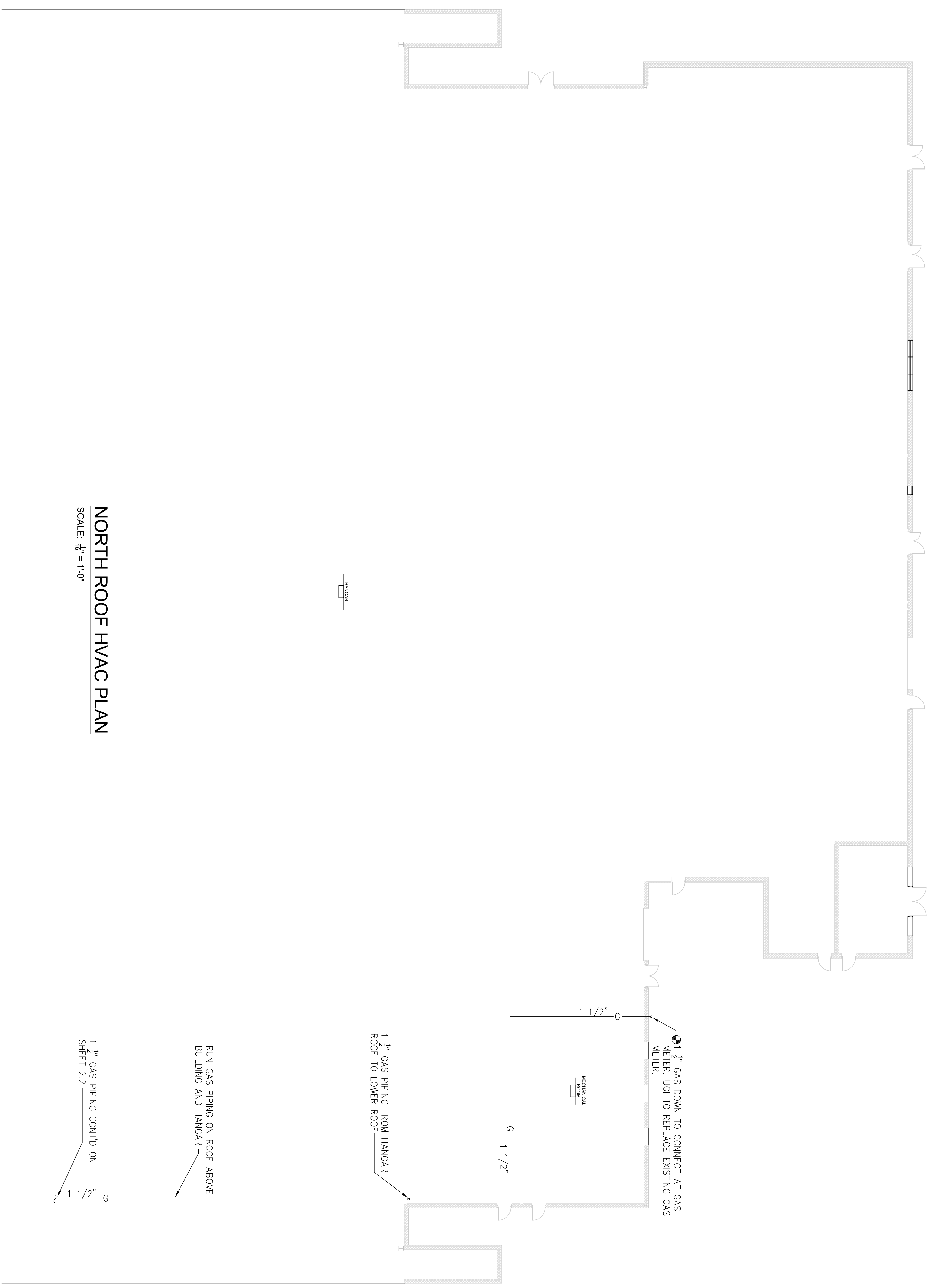
DESIGNED BY	DATE	REVISIONS	
DRAWN BY	PROJECT NO.	NO.	DATE
C. KITA	24-JUNE-2020		
C. KITA	42190079		
B. TOEVS	AS NOTED		

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.

DRAWING:  
HVAC ROOF AND ENLARGED BATHROOM PLANS

DRAWING NO.  
**M.2.2**



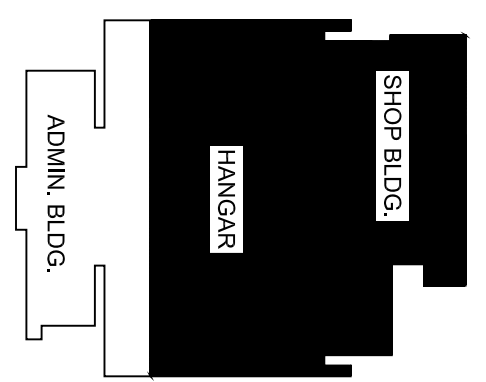


**NORTH ROOF HVAC PLAN**  
 SCALE: 1/8" = 1'-0"

1 1/2" GAS PIPING CONT'D ON SHEET 2.2

RUN GAS PIPING ON ROOF ABOVE BUILDING AND HANGAR

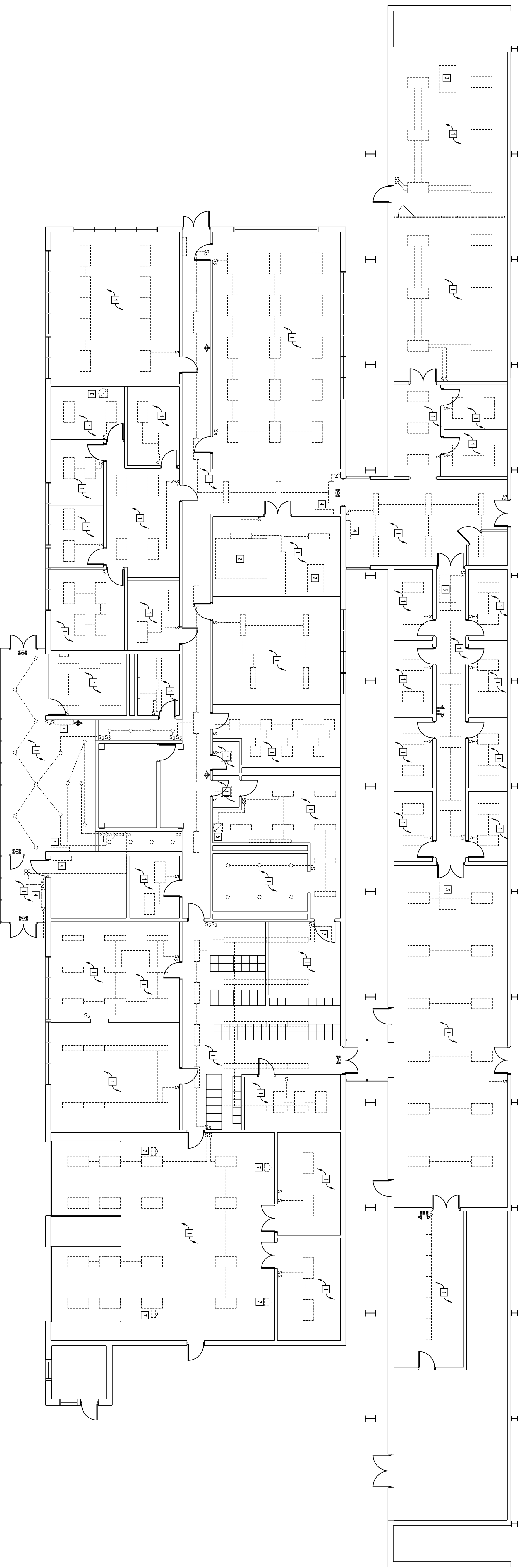
1 1/2" GAS PIPING FROM HANGAR ROOF TO LOWER ROOF



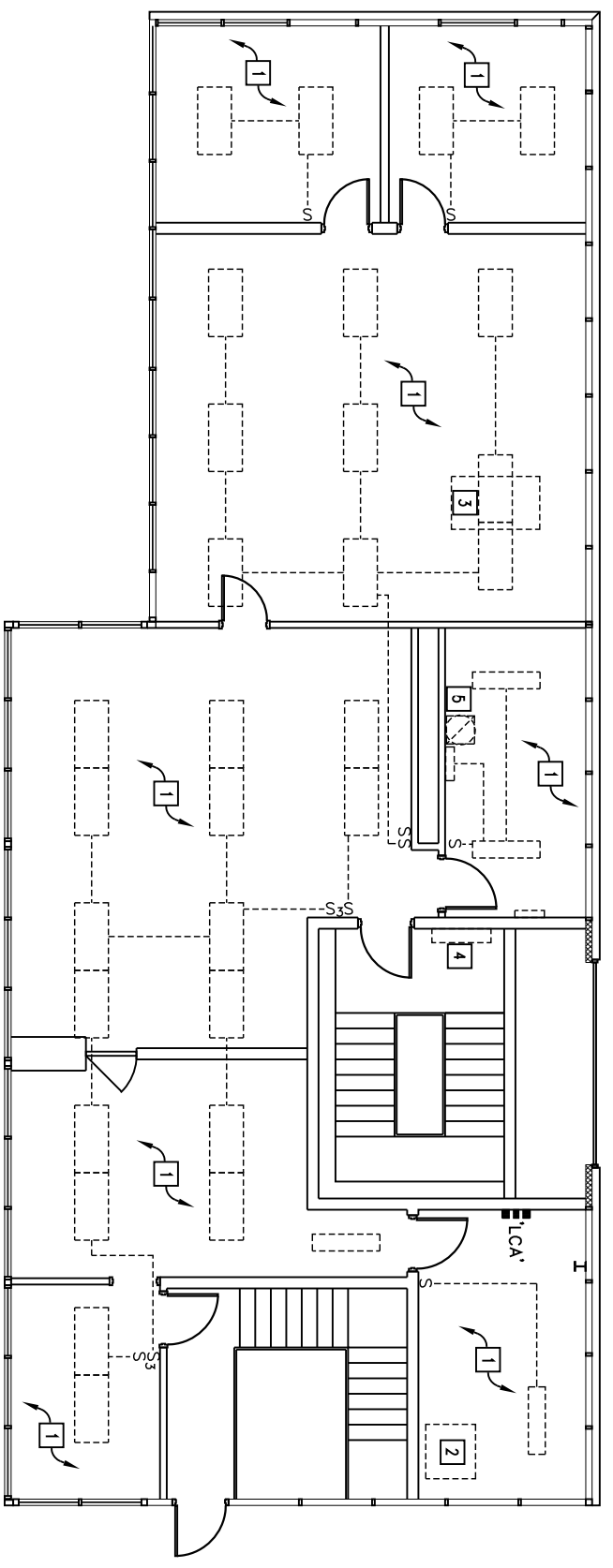
KEY PLAN  
 NOT TO SCALE

DRAWING: HVAC ROOF PLANS	DESIGNED BY C. KITA	DATE 24-JUNE-2020	REVISIONS		PROJECT: 19-101 HANGAR HVAC & LED REPLACEMENT	LOCATION: FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING G-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003	
	DRAWN BY C. KITA	PROJECT NO. 42190079	NO.	DATE				DESCRIPTION
	REVIEWED BY B. TOEVS	SCALE AS NOTED						
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M.2.3



**SOUTH FIRST FLOOR ELECTRICAL DEMO PLAN**  
SCALE: 3/32" = 1'-0"



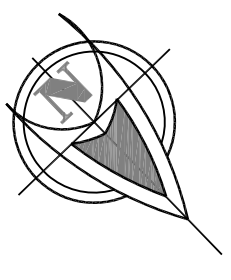
**SOUTH SECOND FLOOR ELECTRICAL DEMO PLAN**  
SCALE: 3/32" = 1'-0"

**DEMOLITION PLAN NOTES:**

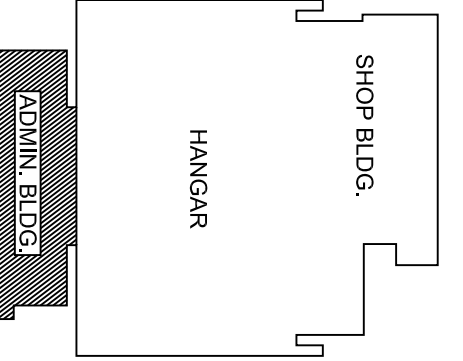
- 1 ALL EXISTING LIGHTING FIXTURES, SWITCHES, AND LIGHTING CONTROLS SHALL BE REMOVED FROM THE AREA LINED. MAINTAIN EXISTING CIRCUITS FOR FUTURE RE-USE.
- 2 EXISTING WIRING TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE CONNECTION TO NEW HVAC EQUIPMENT.
- 3 EXISTING WIRING TO BE REMOVED. REMOVE ALL CONDUIT, WIRING, BOXES, ETC. BACK TO SOURCE. LABEL CIRCUIT SPARE.
- 4 EXISTING CABINET JUNCTION HEATER TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE RE-USE.
- 5 EXISTING WIRING TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE CONNECTION TO NEW WIRING.
- 6 EXISTING WIRING TO BE REMOVED. REMOVE ALL CONDUIT, WIRING, BOXES, ETC. BACK TO SOURCE. LABEL CIRCUIT SPARE.
- 7 EXISTING JUNCTION HEATER TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE CONNECTION TO NEW WIRING.

**GENERAL NOTES FOR ALL ELECTRICAL DEMOLITION PLANS**

1. WHEN A DEVICE IS REMOVED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN OPERATION. WHEN A CIRCUIT IS TO BE REMOVED, THE CIRCUIT SHALL BE OPENED AT THE SOURCE. ALL DEVICES OR EQUIPMENT ON THE CIRCUIT TO BE REMOVED OR EQUIPMENT SHALL BE REMOVED. MAINTAIN CIRCUITRY TO REMAINING DEVICES.
2. IN GENERAL, ALL DEVICES, OUTLETS, CONDUIT, WIRING, LIGHTING FIXTURES, AND EQUIPMENT ARE TO BE REMOVED UNLESS NOTED OTHERWISE (UNO).
3. ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR (UNO) AND SHALL BE REMOVED FROM THE PROJECT SITE. A LICENSED ELECTRICIAN SHALL BE TURNED OVER TO HVAC PERSONNEL. SHALL BE IN THE CONDITION IN WHICH THEY ARE RECEIVED. ALL MATERIALS TO BE REMOVED SHALL BE RECORDED. (UNO)
4. CONDUIT SYSTEMS AND WIRING MAY BE RE-USED IF THEY ARE IN EXCELLENT CONDITION OF THE PROPER SIZE AND RATING, AND IN THE PROXIMITY TO WHERE THEY ARE TO BE RE-USED. ALL MATERIALS TO BE REMOVED SHALL BE RECORDED. (UNO)
5. WHEN A DEVICE IS INDICATED TO BE REMOVED, ALL ASSOCIATED ACCESSIBLE TO SOURCE PROVIDE BLANK COVERS FOR FLUSH MOUNTED BOXES IF NOT RE-USED.
6. WHEN ELECTRICAL EQUIPMENT IS TO BE REMOVED, THE E.C. SHALL REMOVE ALL MATERIALS FROM THE PROJECT SITE.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL CIRCUIT TRACING AS REQUIRED TO PERFORM THE WORK ACCORDING TO THESE PLANS. IN ADDITIONAL COPY TO PANEL SCHEDULES AS NECESSARY FOR ALL ASSOCIATED CIRCUIT CHANGES.

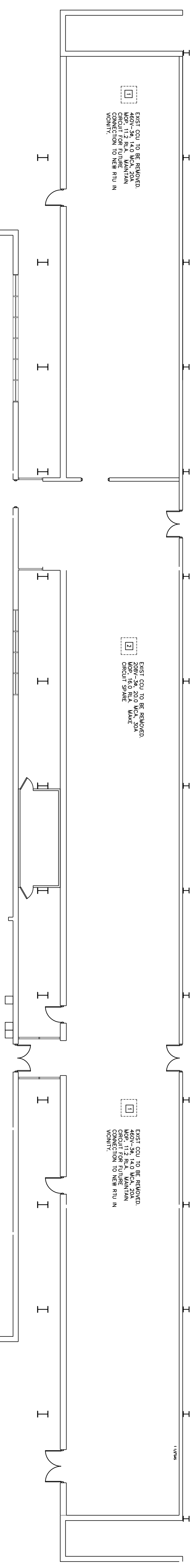


REFERENCE NORTH



KEY PLAN  
NOT TO SCALE

DRAWING NO. <b>E.1.1</b>	DRAWING: DEMOLITION PLAN	DESIGNED BY B. BARGER	DATE 24-JUN-2020	REVISIONS		PROJECT: 19-101 HANGAR HVAC & LED REPLACEMENT	LOCATION: FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING G-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003
		DRAWN BY B. BARGER	PROJECT NO. 42170094	NO.	DATE			
		REVIEWED BY K. MCCLAIN	SCALE AS NOTED					
		ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.						



EXIST. COU. TO BE REMOVED.  
460V-25, 14.0 WGA, 20A  
MANTAIN CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

EXIST. COU. TO BE REMOVED.  
460V-18.0 WGA, 20A  
MANTAIN CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

EXIST. COU. TO BE REMOVED.  
460V-25, 14.0 WGA, 20A  
MANTAIN CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

EXIST. COU-1 TO BE  
REMOVED. 460V-7.5, 10.0  
WGA, 20A, 176. MAINTAIN  
CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

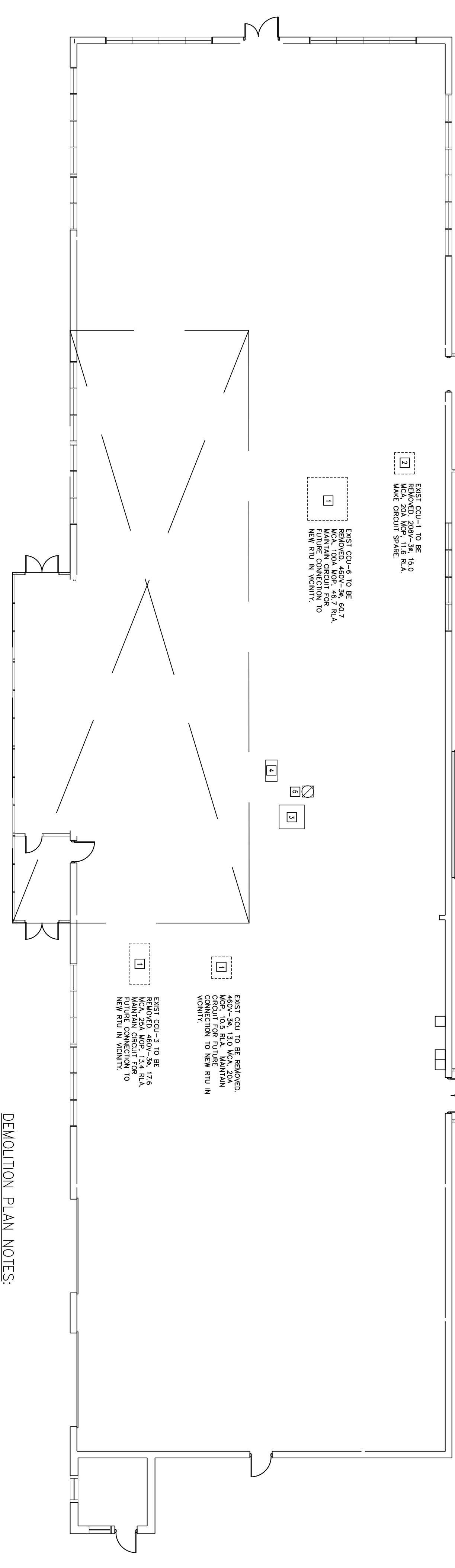
EXIST. COU-6 TO BE  
REMOVED. 460V-24, 40.7  
WGA, 20A, 176. MAINTAIN  
CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

EXIST. COU. TO BE REMOVED.  
460V-50, 120 WGA, 20A  
MANTAIN CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

EXIST. COU-4 TO BE  
REMOVED. 460V-17.6  
WGA, 20A, 176. MAINTAIN  
CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

### SOUTH FIRST FLOOR ROOF ELECTRICAL DEMO PLAN

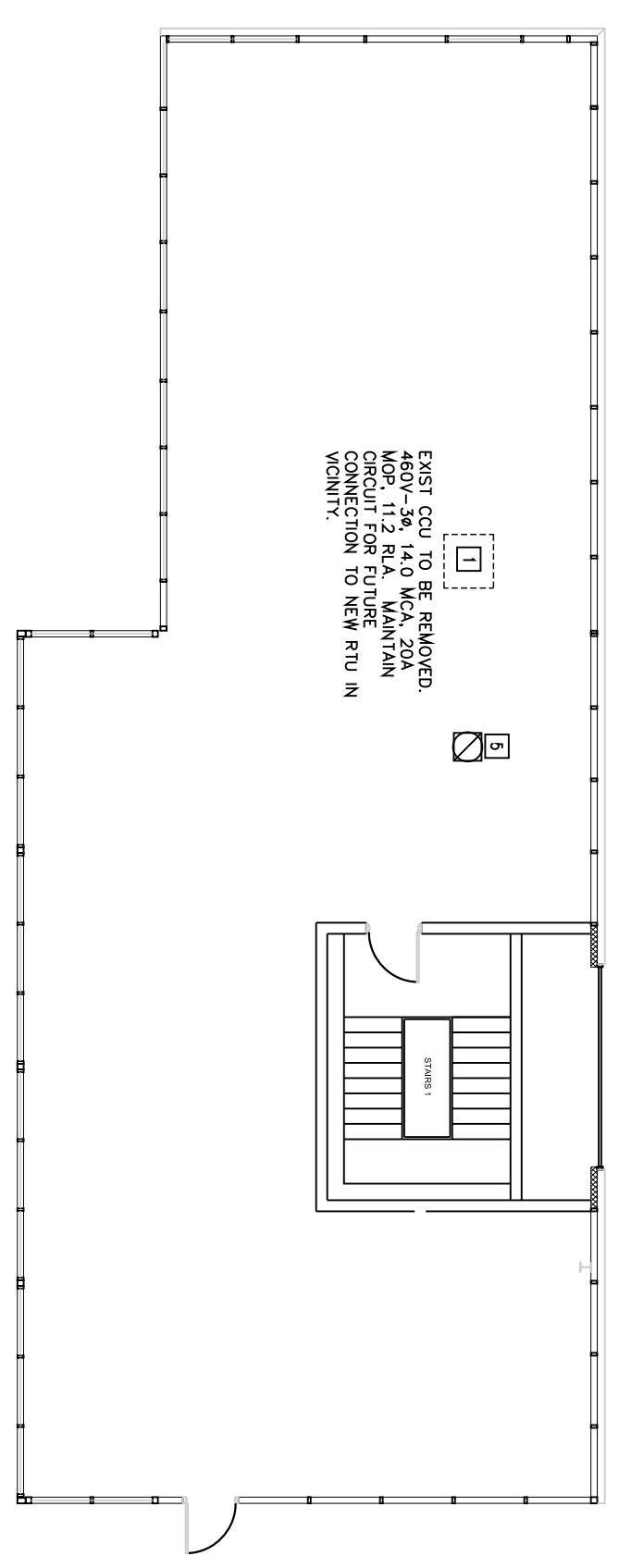
SCALE: 3/32" = 1'-0"



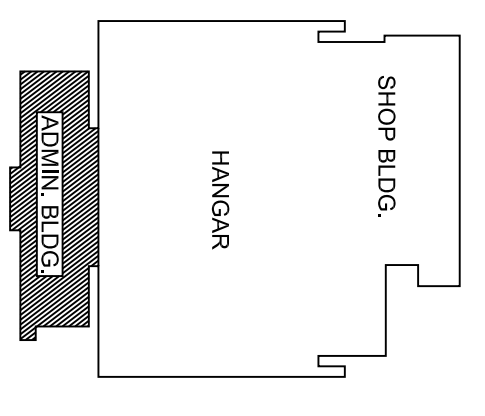
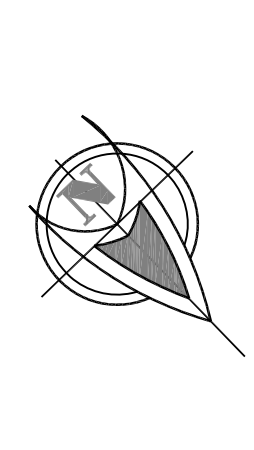
EXIST. COU. TO BE REMOVED.  
460V-25, 14.0 WGA, 20A  
MANTAIN CIRCUIT FOR FUTURE  
CONNECTION TO NEW RTU IN  
VICINITY.

### SOUTH SECOND FLOOR ROOF ELECTRICAL DEMO PLAN

SCALE: 3/32" = 1'-0"



- DEMOLITION PLAN NOTES:**
- 1 EXISTING COU. TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE CONNECTION TO NEW HVAC EQUIPMENT.
  - 2 EXISTING COU. TO BE REMOVED. REMOVE ALL CONDUIT, WIRING, BOXES, ETC. BACK TO SOURCE. LABEL CIRCUIT SPACE.
  - 3 EXISTING RTU TO REMAIN.
  - 4 EXISTING COU. TO REMAIN.
  - 5 EXISTING EF. TO BE REMOVED. MAINTAIN CIRCUIT FOR FUTURE CONNECTION TO NEW CHANGEL PLAN.

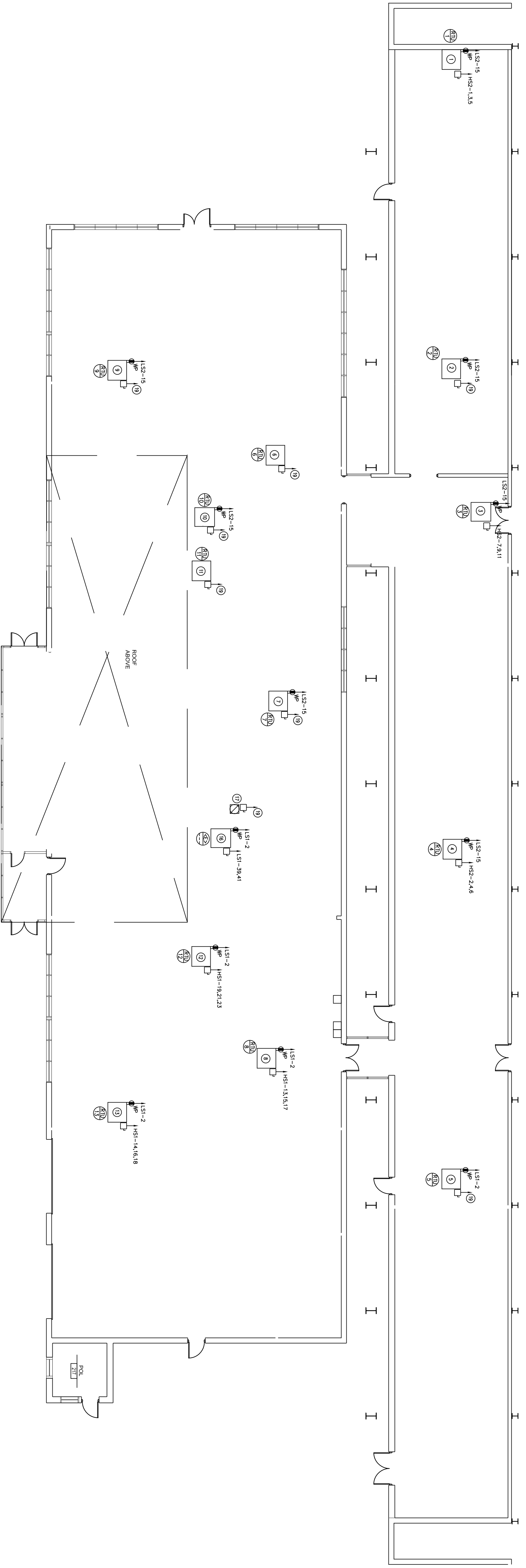


KEY PLAN  
NOT TO SCALE

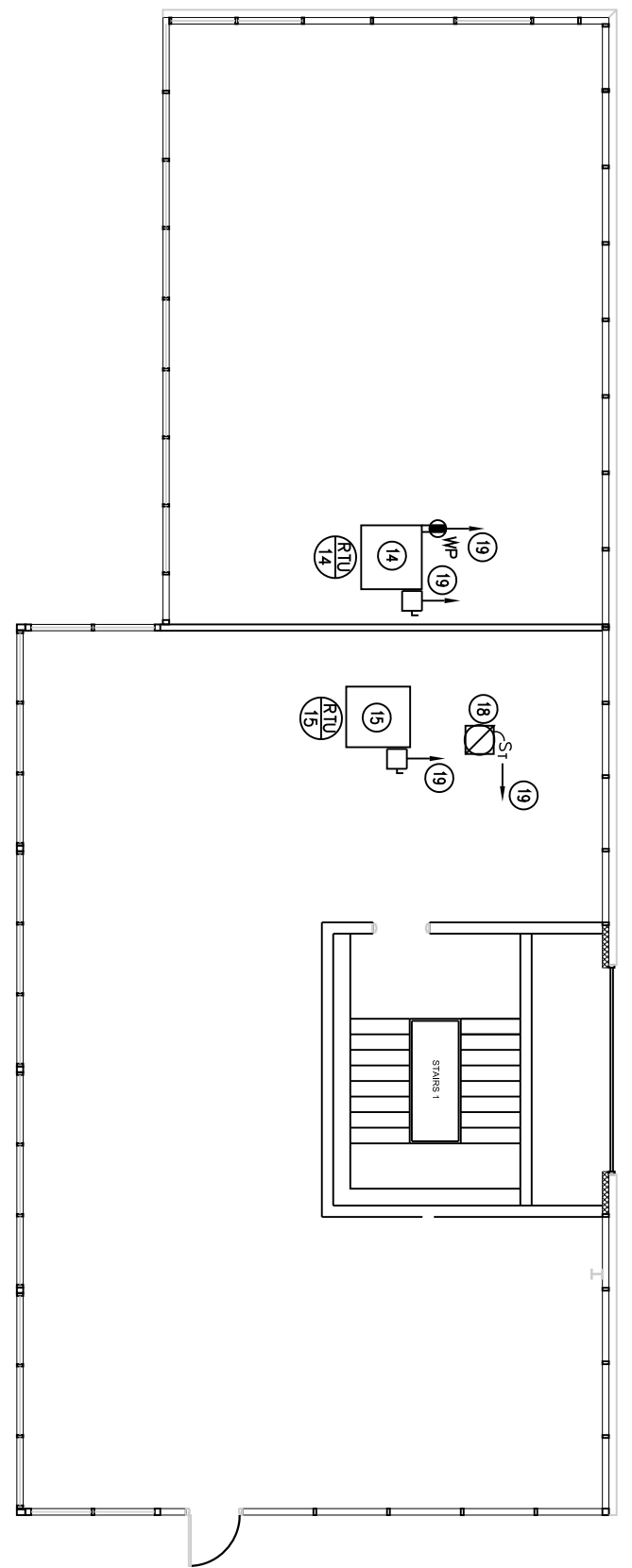
DRAWING NO. <b>E.1.2</b>	DRAWING: ROOF DEMOLITION PLAN		DESIGNED BY B. BARGER		DATE 24-JUN-2020	REVISIONS		PROJECT: 19-101 HANGAR HVAC & LED REPLACEMENT	LOCATION: FORT INDIANTOWN GAP - AREA 19 LEBANON COUNTY ANNVILLE, PA 17003	PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUR. OF MILITARY CONSTRUCTION & ENGINEERING DIV. OF ENGINEERING & ARCHITECTURE BUILDING G-10, FORT INDIANTOWN GAP ANNVILLE, PENNSYLVANIA 17003	
			DRAWN BY B. BARGER		PROJECT NO. 42170094	NO.	DATE				DESCRIPTION
			REVIEWED BY K. MCCLAIN		SCALE AS NOTED						
					ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE PROJECT SITE. THIS DRAWING SHALL NOT BE SCALED TO OBTAIN DIMENSIONS AND/OR DISTANCES.						







**SOUTH FIRST FLOOR ROOF POWER PLAN**  
SCALE: 3/32" = 1'-0"



**SOUTH SECOND FLOOR ROOF POWER PLAN**  
SCALE: 3/32" = 1'-0"

**POWER PLAN NOTES:**

- ① RU-1 BY H.C., 480V-3Φ, 12-4Δ, 13.8 WCK, 20A WSP PROVIDE 30A-3P WP
- ② FRS, FUSED AT BKA
- ③ RU-2 BY H.C., 480V-3Φ, 12-4Δ, 13.8 WCK, 20A WSP PROVIDE 30A-3P WP
- ④ FRS, FUSED AT BKA
- ⑤ RU-3 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑥ FRS, FUSED AT BKA
- ⑦ RU-4 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑧ FRS, FUSED AT BKA
- ⑨ RU-5 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑩ FRS, FUSED AT BKA
- ⑪ RU-6 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑫ FRS, FUSED AT BKA
- ⑬ RU-7 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑭ FRS, FUSED AT BKA
- ⑮ RU-8 BY H.C., 480V-3Φ, 12-4Δ, 13.8 WCK, 20A WSP PROVIDE 30A-3P WP
- ⑯ FRS, FUSED AT BKA
- ⑰ RU-9 BY H.C., 480V-3Φ, 10-0Δ, 11.8 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑱ FRS, FUSED AT BKA
- ⑲ RU-10 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ⑳ FRS, FUSED AT BKA
- ㉑ RU-11 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ㉒ FRS, FUSED AT BKA
- ㉓ RU-12 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ㉔ FRS, FUSED AT BKA
- ㉕ RU-13 BY H.C., 480V-3Φ, 10-0Δ, 11.8 WCK, 15A WSP PROVIDE 30A-3P WP
- ㉖ FRS, FUSED AT BKA
- ㉗ RU-14 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ㉘ FRS, FUSED AT BKA
- ㉙ RU-15 BY H.C., 480V-3Φ, 10-0Δ, 11.1 WCK, 15A WSP PROVIDE 30A-3P WP
- ㉚ FRS, FUSED AT BKA
- ㉛ EAST RU-16, 288V-1Φ, 33.4Δ, 39.2 WCK, 60A WSP. RE-FEED FROM PANEL 16T AND OPERATIONAL ROOMS. PROVIDE 60A WSP. WCK, 50A WSP, 30A WSP.
- ㉜ EX-1 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㉝ EX-2 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㉞ EX-3 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㉟ EX-4 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊱ EX-5 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊲ EX-6 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊳ EX-7 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊴ EX-8 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊵ EX-9 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊶ EX-10 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊷ EX-11 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊸ EX-12 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊹ EX-13 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊺ EX-14 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊻ EX-15 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊼ EX-16 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊽ EX-17 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊾ EX-18 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA
- ㊿ EX-19 BY H.C., 120V-1Φ, 1/2 WSP PROVIDE 30A-3P WP FRS, FUSED AT BKA

NOTE	CIRCUIT	EQUIPMENT	BREAKER	FEEDER	WIRE	WIRE SIZE	WIRE TYPE	WIRE COLOR	WIRE GROUNDING	WIRE NOTES	BREAKER	EQUIPMENT	CIRCUIT	NOTE
1	MAIN C/B, 225A WCB													
2	MAIN C/B, 225A WCB													
3	RU-1		20A-1P	1/2" W/G	12-4	10						RU-4	2	
4	RU-1		20A-1P	1/2" W/G	12-4	10							4	
5	RU-1		20A-1P	1/2" W/G	12-4	10							6	
6	RU-1		20A-1P	1/2" W/G	12-4	10							8	
7	RU-1		20A-1P	1/2" W/G	12-4	10							10	
8	RU-1		20A-1P	1/2" W/G	12-4	10							12	
9	RU-1		20A-1P	1/2" W/G	12-4	10							14	
10	RU-1		20A-1P	1/2" W/G	12-4	10							16	
11	RU-1		20A-1P	1/2" W/G	12-4	10							18	
12	RU-1		20A-1P	1/2" W/G	12-4	10							20	
13	RU-1		20A-1P	1/2" W/G	12-4	10							22	
14	RU-1		20A-1P	1/2" W/G	12-4	10							24	
15	RU-1		20A-1P	1/2" W/G	12-4	10							26	
16	RU-1		20A-1P	1/2" W/G	12-4	10							28	
17	RU-1		20A-1P	1/2" W/G	12-4	10							30	
18	RU-1		20A-1P	1/2" W/G	12-4	10							32	
19	RU-1		20A-1P	1/2" W/G	12-4	10							34	
20	RU-1		20A-1P	1/2" W/G	12-4	10							36	
21	RU-1		20A-1P	1/2" W/G	12-4	10							38	
22	RU-1		20A-1P	1/2" W/G	12-4	10							40	
23	RU-1		20A-1P	1/2" W/G	12-4	10							42	
24	RU-1		20A-1P	1/2" W/G	12-4	10							44	
25	RU-1		20A-1P	1/2" W/G	12-4	10							46	
26	RU-1		20A-1P	1/2" W/G	12-4	10							48	
27	RU-1		20A-1P	1/2" W/G	12-4	10							50	
28	RU-1		20A-1P	1/2" W/G	12-4	10							52	
29	RU-1		20A-1P	1/2" W/G	12-4	10							54	
30	RU-1		20A-1P	1/2" W/G	12-4	10							56	
31	RU-1		20A-1P	1/2" W/G	12-4	10							58	
32	RU-1		20A-1P	1/2" W/G	12-4	10							60	
33	RU-1		20A-1P	1/2" W/G	12-4	10							62	
34	RU-1		20A-1P	1/2" W/G	12-4	10							64	
35	RU-1		20A-1P	1/2" W/G	12-4	10							66	
36	RU-1		20A-1P	1/2" W/G	12-4	10							68	
37	RU-1		20A-1P	1/2" W/G	12-4	10							70	
38	RU-1		20A-1P	1/2" W/G	12-4	10							72	
39	RU-1		20A-1P	1/2" W/G	12-4	10							74	
40	RU-1		20A-1P	1/2" W/G	12-4	10							76	
41	RU-1		20A-1P	1/2" W/G	12-4	10							78	
42	RU-1		20A-1P	1/2" W/G	12-4	10							80	
43	RU-1		20A-1P	1/2" W/G	12-4	10							82	
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48	RU-1		20A-1P	1/2" W/G	12-4	10							92	
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51	RU-1		20A-1P	1/2" W/G	12-4	10							98	
52	RU-1		20A-1P	1/2" W/G	12-4	10							100	
53	RU-1		20A-1P	1/2" W/G	12-4	10							102	
54	RU-1		20A-1P	1/2" W/G	12-4	10							104	
55	RU-1		20A-1P	1/2" W/G	12-4	10							106	
56	RU-1		20A-1P	1/2" W/G	12-4	10							108	
57	RU-1		20A-1P	1/2" W/G	12-4	10							110	
58	RU-1		20A-1P	1/2" W/G	12-4	10							112	
59	RU-1		20A-1P	1/2" W/G	12-4	10							114	
60	RU-1		20A-1P	1/2" W/G	12-4	10							116	
61	RU-1		20A-1P	1/2" W/G	12-4	10							118	
62	RU-1		20A-1P	1/2" W/G	12-4	10							120	
63	RU-1		20A-1P	1/2" W/G	12-4	10							122	
64	RU-1		20A-1P	1/2" W/G	12-4	10							124	
65	RU-1		20A-1P	1/2" W/G	12-4	10							126	
66	RU-1		20A-1P	1/2" W/G	12-4	10							128	
67	RU-1		20A-1P	1/2" W/G	12-4	10							130	
68	RU-1		20A-1P	1/2" W/G	12-4	10							132	
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71	RU-1		20A-1P	1/2" W/G	12-4	10							138	
72	RU-1		20A-1P	1/2" W/G	12-4	10							140	
73	RU-1		20A-1P	1/2" W/G	12-4	10							142	
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75	RU-1		20A-1P	1/2" W/G	12-4	10							146	
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81	RU-1		20A-1P	1/2" W/G	12-4	10							158	
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83	RU-1		20A-1P	1/2" W/G	12-4	10							162	
84	RU-1		20A-1P	1/2" W/G	12-4	10							164	
85	RU-1		20A-1P	1/2" W/G	12-4	10							166	
86	RU-1		20A-1P	1/2" W/G	12-4	10							168	
87	RU-1		20A-1P	1/2" W/G	12-4	10							170	
88	RU-1		20A-1P	1/2" W/G	12-4	10							172	