AIR FORCE RESERVE COMMAND HEADQUARTERS
910th AIRLIFT WING

RENOVATE ENGINE SHOP, BUILDING 203
PROJECT ZQEL 2024-0006

YOUNGSTOWN AIR RESERVE STATION

YOUNGSTOWN WARREN REGIONAL AIRPORT, ARS

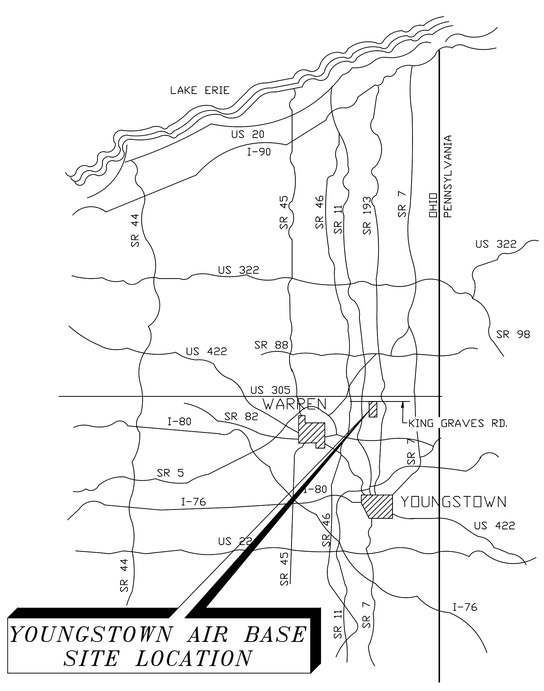
3976 KING GRAVES ROAD

VIENNA, OHIO 44473

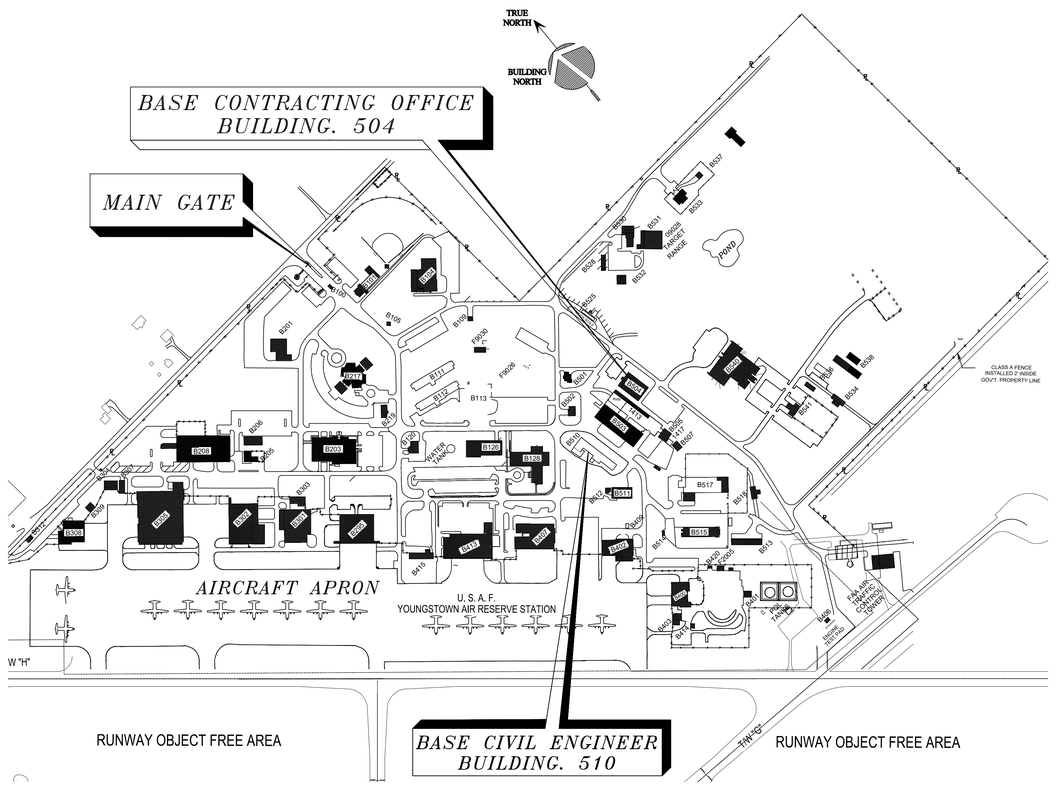
GOVERNMENT SIGNATURE BLOCK	
REVIEWED BY:	
PROJECT ENGINEER	DATE
CHIEF, DESIGN BRANCH	DATE
APPROVED BY:	
CHIEF, ENGINEERING DIVISION	DATE

SIGNATURE BLOCK	
COMMUNICATIONS SYSTEMS	DATE
SAFETY	DATE
BIO-ENVIRONMENTAL	DATE
FIRE PROTECTION	DATE
SECURITY POLICE	DATE
CORROSION CONTROL	DATE
USING AGENCY	DATE
ANTI-TERRORISM OFFICER	DATE

VICINITY MAP



LOCATION MAP



DRAWING INDEX

SHEET	DWG NO:	SHEET TITLE
1 of 8	G-0	TITLE SHEET
2 of 8	AD-1	DEMOLITION PLAN
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8 of 8	E-1	LIGHTING & POWER PLAN

YOUNGSTOWN AIR RESERVE STATION
VIENNA, OHIO

AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING
3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473
ZQEL 2024-0006
RENOVATE ENGINE SHOP B203

G-0
1 OF 8

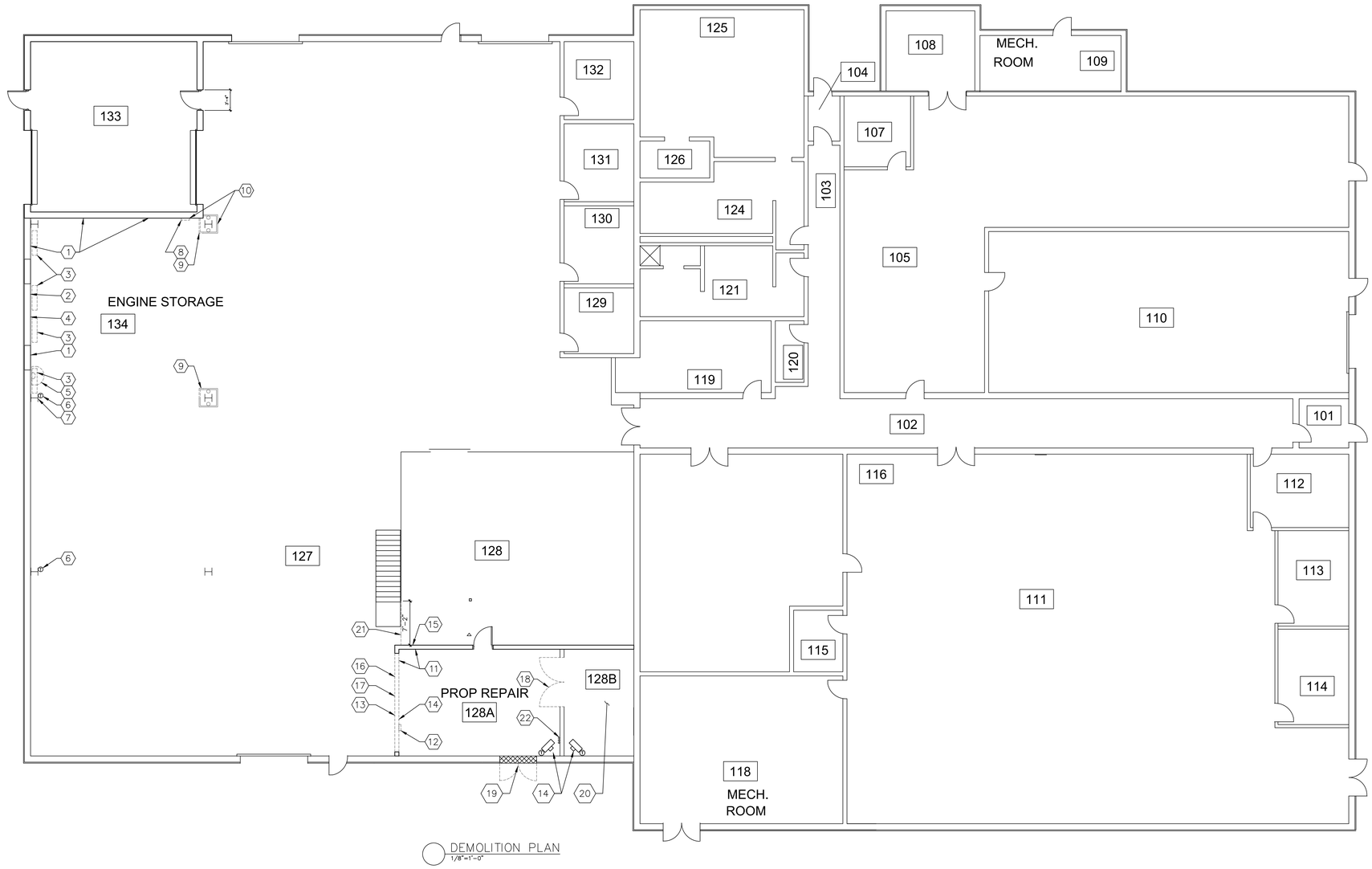
BUILDING NUMBER:	203
DRAWING SCALE:	AS NOTED

REVISION DATE:	4 MARCH 2026
REVISED BY:	B. PHILLIPS
CONSTRUCTION DATE:	1998
GROSS SQUARE FOOT:	26,593

DEMOLITION KEY NOTES

ENGINE STORAGE

1. ALL ELECTRIC OUTLETS ON 2 WALLS TO REMAIN.
2. AIR REEL TO REMAIN.
3. REMOVE 2 SETS OF WALL LIGHTS & RIGHT SIDE SWITCH.
4. ELECTRIC SWITCH REMAINS. REMOVE MAIN BREAKER PANEL IN MECH ROOM.
5. REMOVE HAND WASH STATION & TERMINATE WATER SUPPLY & DRAIN LINES.
6. RELOCATE THERMOSTAT FROM CURRENT LOCATION TO THE NEXT STEEL COLUMN.
7. MOVE LEFT LIGHT SWITCH TO FACE SW. THE RIGHT SWITCH IS MOVED IN 3.
8. REMOVE EXHAUST FAN AND INFILL WALL WITH CMU.
9. REMOVE ENOUGH EXISTING GUARDRAILS FROM COLUMN TO CONSTRUCT A 6" METAL STUD WALL.
10. MOVE LIGHT SWITCH BELOW THE CMU INSTALLED IN 8 TO THE EXTERIOR OF TO BE CONSTRUCTED ROOM.



DEMOLITION PLAN
1/8"=1'-0"

DEMOLITION KEY NOTES

PROP REPAIR (ROOM 128A)

11. RELOCATE AIR HOSE RISER & LINE TO SIDEWALL.
12. REMOVE & DISCONNECT PANEL SWITCH 12" BELOW GRADE. TERMINATE WIRES BACK TO MAIN PANEL IN MECH ROOM.
13. TERMINATE & CAP WATER SUPPLY LINES TO FLOOR DRAINS 12" BELOW GRADE.
14. DISCONNECT & REMOVE WATER SUPPLY LINES 12" BELOW GRADE.
15. REMOVE WALL A/C UNIT & IN FILL WITH CMU.
16. RELOCATE THERMOSTAT (2) CONDUITS ABOVE NEW 12'-0"X12'-0" OVERHEAD GARAGE DOOR
17. REMOVE ENOUGH CMU TO INSTALL A 12'-0"X12'-0" OVERHEAD FIBERGLASS INSULATED GARAGE DOOR. THE CONTRACTOR WILL SIZE THE NEW LINTEL TO SUPPORT THE REMAINING CMU ABOVE & THE GARAGE DOOR.
18. REMOVE EXISTING DOUBLE DOORS & LEAVE AS A FRAMED OPENING.
19. REMOVE EXISTING EXTERIOR DOOR & INFILL WITH CMU & BRICK TO MATCH EXISTING.
20. REMOVE ALL LIGHTING, CONVERT LIGHTS & (3) OUTLETS FROM BLAST PROOF BACK TO STANDARD IN ROOM 128B.
21. REMOVE 7'-2" OF EXISTING CAGE.
22. TERMINATE WATER LINE 6" BELOW ELBOW & CAP.

YOUNGSTOWN AIR RESERVE STATION
VIENNA, OHIO

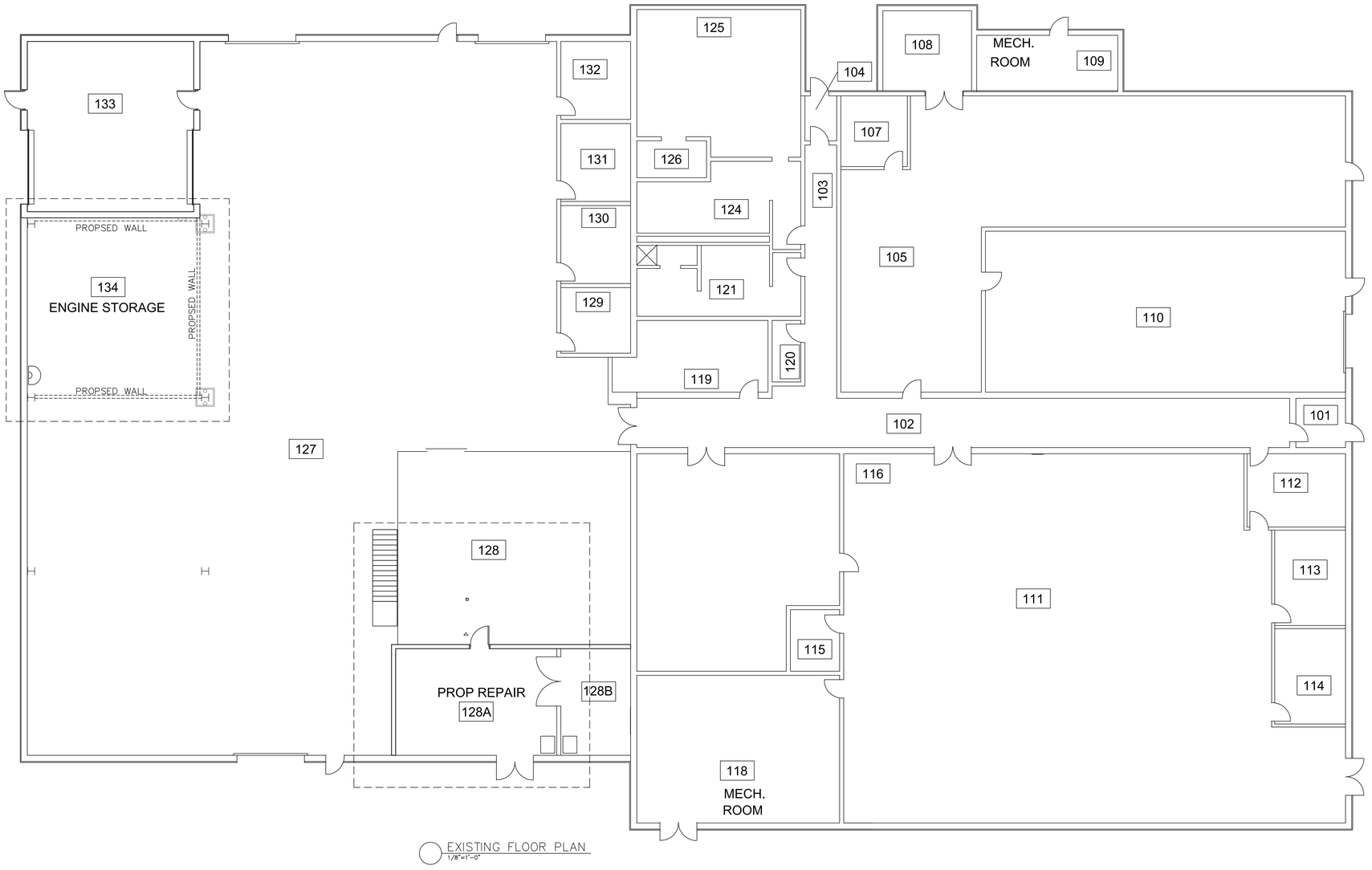
AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING
3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473

ZQEL 2024-0006 RENOVATE ENGINE SHOP B203
DEMOLITION PLAN

AD-1
2 OF 8

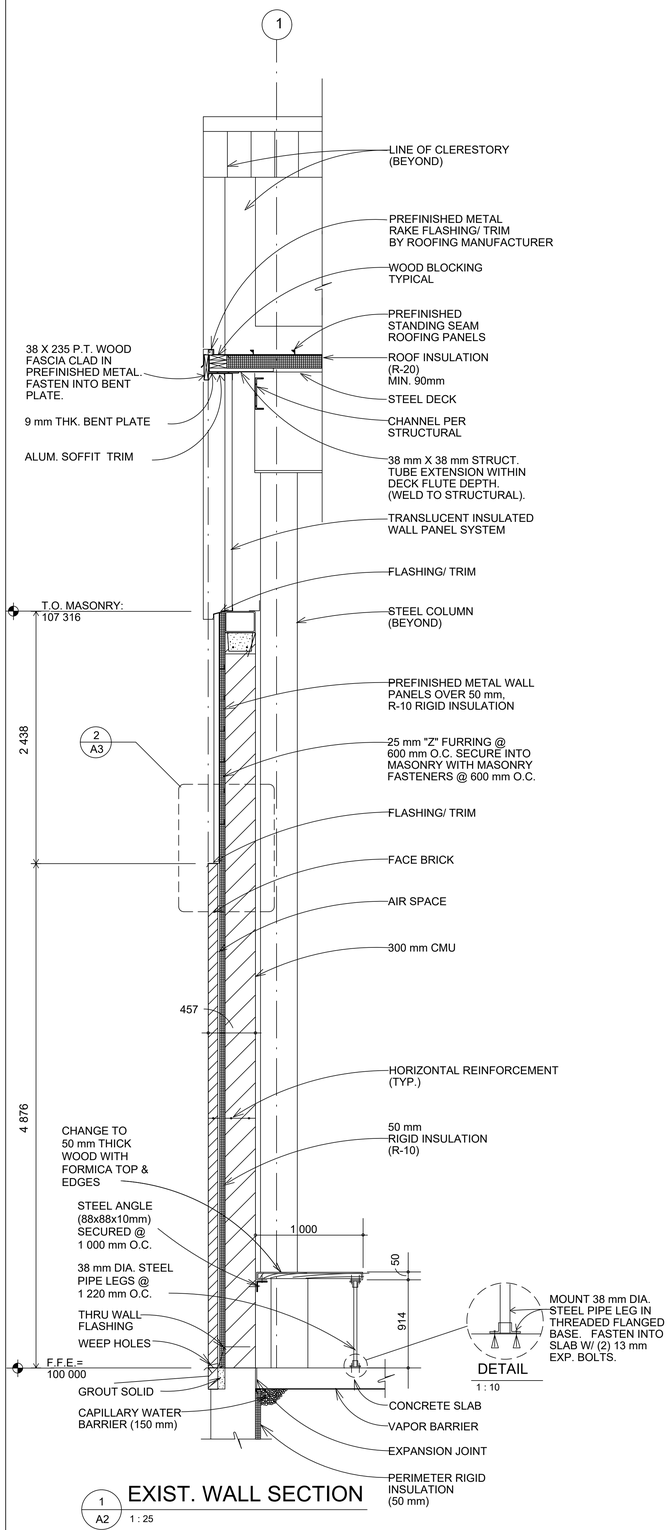
BUILDING NUMBER: 203
DRAWING SCALE: 1/8"=1'=0"

REVISION DATE: 4 MARCH 2026
REVISED BY: B. PHILLIPS
CONSTRUCTION DATE: 1998
GROSS SQUARE FOOT: 26,593



EXISTING FLOOR PLAN
1/8"=1'-0"

YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING 3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473 ZQEL 2024-0006 RENOVATE ENGINE SHOP B203 FLOOR PLAN (EXISTING)	A-1 3 OF 8	BUILDING NUMBER: 203 DRAWING SCALE: 1/8"=1'=0"	REVISION DATE: 4 MARCH 2026 REVISED BY: B. PHILLIPS CONSTRUCTION DATE: 1998 GROSS SQUARE FOOT: 26,593



1 A2 EXIST. WALL SECTION
1 : 25

CONSTRUCTION KEY NOTES

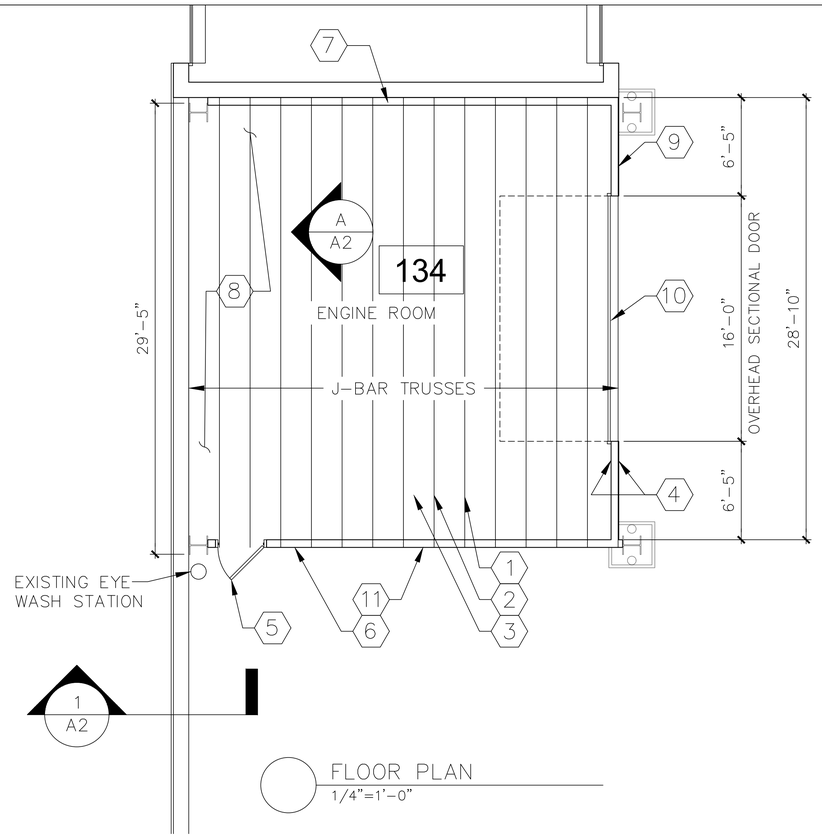
ENGINE STORAGE (ROOM 134)

1. ROOF J–BAR SIZE & SPACING TO BE DETERMINED BY CONTRACTOR TO SUPPORT 50 LB PER/SQ. FT. LIVE LOAD & DEAD LOAD WEIGHT.
2. INSTALL STEEL DECKING & 3/4" PLYWOOD TO SIT ON TOP OF J–BAR TRUSS SYSTEM.
3. INSULATE J–BAR TRUSSES TO A MINIMUM OF R49.
4. CONTRACTOR TO INSTALL POWER ENABLED DOOR OPEN & CLOSE ON THE INTERIOR & EXTERIOR OF THE GARAGE DOOR.
5. INSTALL INSULATED 3'–0"X7'–0" MAN DOOR TO BE LOCATED NEAR THE EYE WASH STATION.
6. INSTALL 6" LOAD BEARING METAL STUD WALL & ANY OTHER APPROPRIATE MATERIALS NECESSARY TO SUPPORT THE J–BAR TRUSS SYSTEM; THIS IS TO BE DETERMINED BY THE CONTRACTOR. INSTALL 6" BATT INSULATION BETWEEN WALL STUDS.
7. INSTALL A 6" LOAD BEARING STUD WALL & ANY OTHER APPROPRIATE MATERIALS NECESSARY ALONG THE EXISTING CMU TO SUPPORT THE OTHER END OF THE TRUSS SYSTEM
8. OWNER TO REMOVE ALL EQUIPMENT.
9. CONTRACTOR TO HIRE A FIRE SUPPRESSION SYSTEM ENGINEER TO RELOCATE OVERHEAD SPRINKLER SYSTEM.
10. 16'–0"x12'–0" INSULATED FIBERGLASS OVERHEAD SECTIONAL GARAGE DOOR.
11. RELOCATE OUTLET FROM COLUMN TO NEW WALL, & ADD (2) ADDITIONAL OUTLETS, EVENLY SPACED ON NEW WALL AT COUNTER HEIGHT.

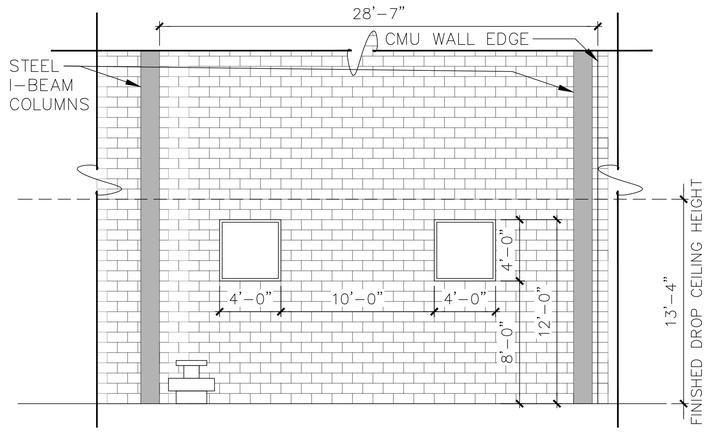
NOTES:

ENGINE STORAGE (ROOM 134)

1. CONTRACTOR TO INSTALL NEW STOPS FOR OVERHEAD CRANE, TO PREVENT IT FROM BREACHING INTO THE NEWLY CONSTRUCTED ENGINE ROOM.
2. NEW WALLS TO BE CONSTRUCTED OF 6" LOAD BEARING STEEL STUDS WITH INSULATION IN BETWEEN THE STUDS & 5/8" GYPSUM BOARD ON EITHER SIDE. FINISHED WALL HEIGHT TO BE 15'–0".
3. CONTRACTOR TO FINISH WALLS TO LEVEL 4 & PAINT WALLS BRITE WHITE.
4. CONTRACTOR TO INSTALL FRP ALONG DRYWALL WALLS FROM FINISHED FLOOR 48 INCHES HIGH.

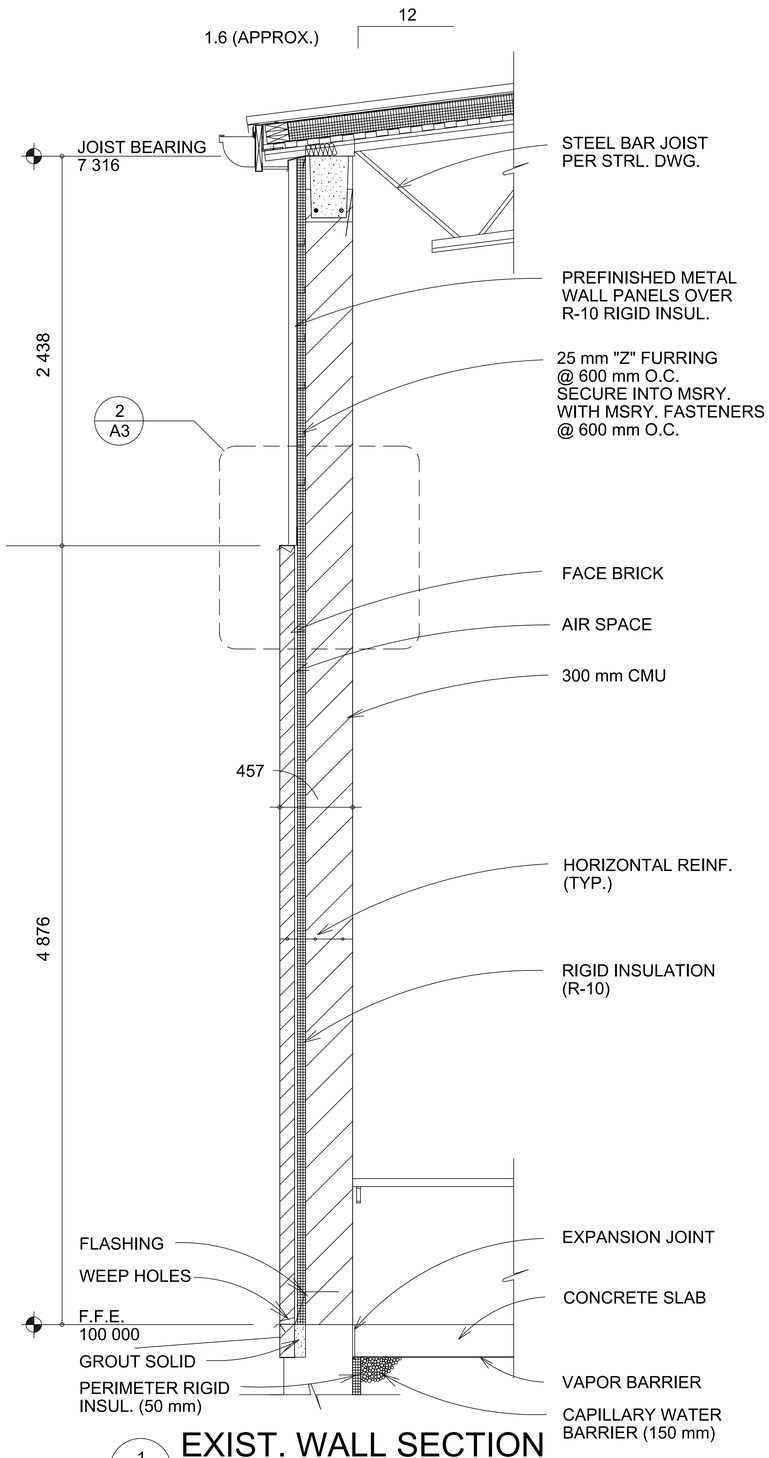


FLOOR PLAN
1/4"=1'–0"



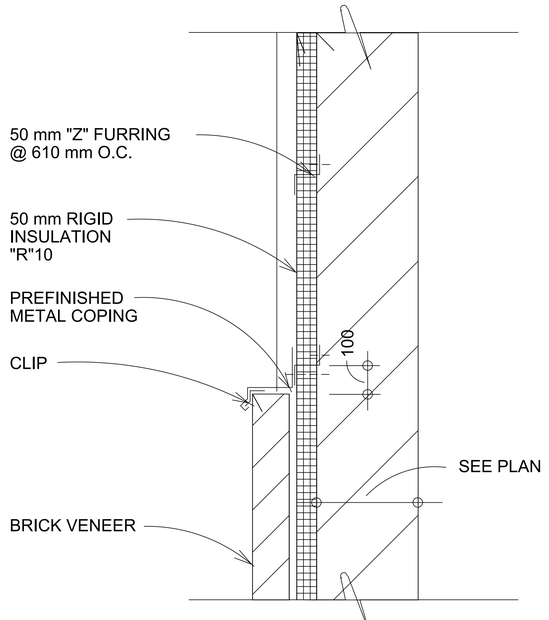
A ELEVATION
1/4"=1'–0"

YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING 3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473 ZQEL 2024-0006 RENOVATE ENGINE SHOP B203 FLOOR PLAN, (ENGINE STORAGE) DETAIL/SECTION	A-2 4 OF 8	BUILDING NUMBER: 203 DRAWING SCALE: AS NOTED REVISION DATE: 25 MARCH 2026 REVISED BY: B. PHILLIPS CONSTRUCTION DATE: 1998 GROSS SQUARE FOOT: 26,593



1 / A3 EXIST. WALL SECTION

1/32" = 1'-0"



2 / A3 WALL DETAIL

1/32" = 1'-0"

CONSTRUCTION KEY NOTES

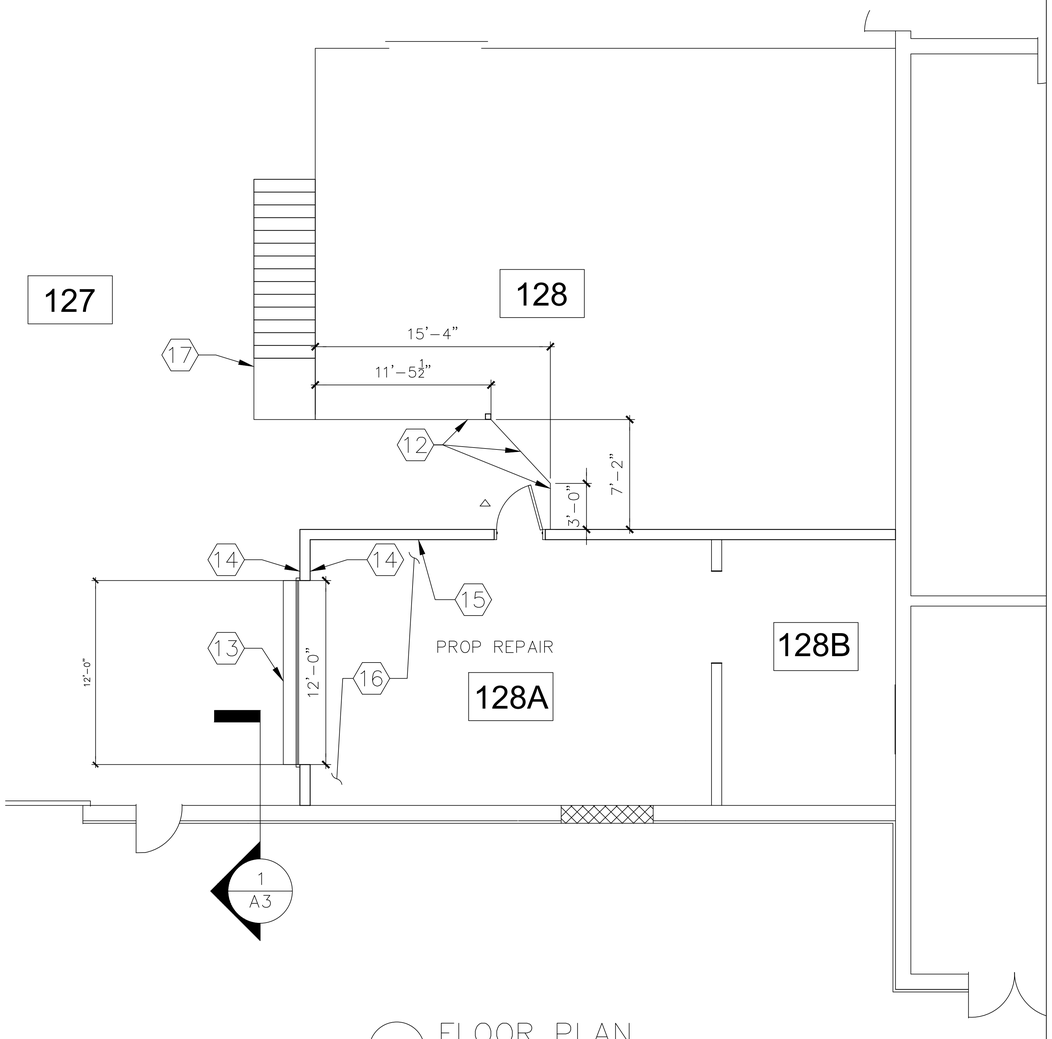
PROP REPAIR (ROOM 128A)

12. ADD & INSTALL NEW SECTION OF CAGE TO MATCH EXISTING MATERIAL.
13. 12'-0"X12'-0" INSULATED FIBERGLASS OVERHEAD SECTIONAL GARAGE DOOR.
14. CONTRACTOR TO INSTALL POWER ENABLED DOOR OPEN & CLOSE ON THE INTERIOR & EXTERIOR OF THE GARAGE DOOR.
15. INSTALL & WIRE (2) RECEPTACLES.
16. OWNER TO REMOVE ALL EQUIPMENT.
17. MOVE STAIRS NO LESS THAN 48" & NO MORE THAN 96" IN THE NE DIRECTION ALONG THE CAGE, REARRANGING THE RAILING ALONG THE UPPER PLATFORM.

NOTES:

PROP REPAIR (ROOM 128A)

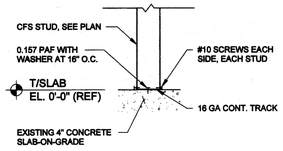
1. CONTRACTOR TO PAINT ALL WALLS BRIGHT WHITE.



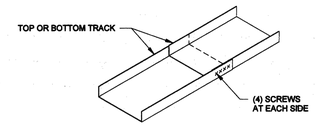
FLOOR PLAN

1/4"=1'-0"

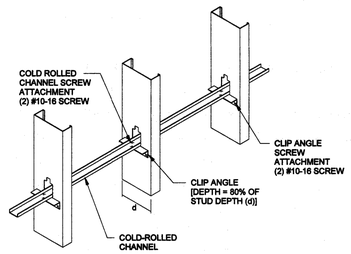
YOUNGSTOWN AIR RESERVE STATION VIENNA, OHIO	AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING 3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473 ZQEL 2024-0006 RENOVATE ENGINE SHOP B203 FLOOR PLAN (PROP REPAIR) DETAILS/SECTION	A-3 5 OF 8	BUILDING NUMBER: 203 DRAWING SCALE: AS NOTED REVISION DATE: 4 MARCH 2026 REVISED BY: B. PHILLIPS CONSTRUCTION DATE: 1998 GROSS SQUARE FOOT: 26,593



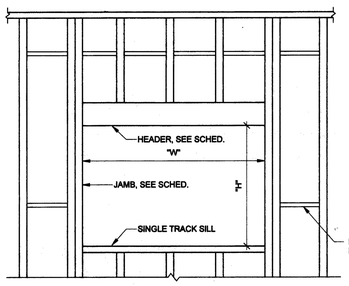
1 TYPICAL CFS STUD BOTTOM TRACK CONNECTION

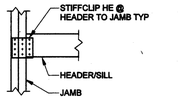


2 TYPICAL CFS TOP AND BOTTOM TRACK LAP

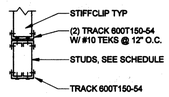


3 BRIDGING COLD-ROLLED CHANNEL WITH CLIP ANGLE

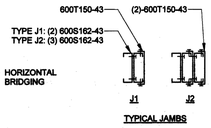




BOXED HEADER @ JAMB SUPPORT



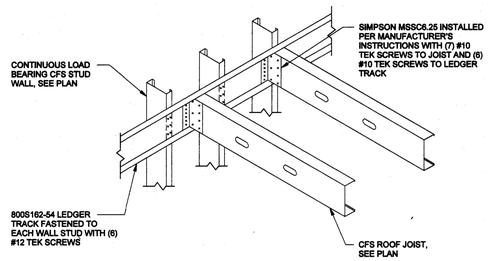
BOXED HEADER DETAIL

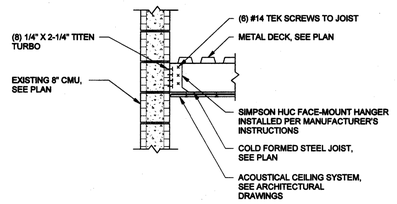


TYPICAL JAMBS

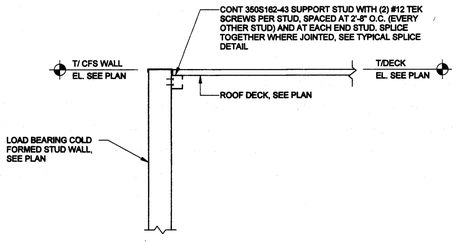
LOAD BEARING WALL FRAMED OPENING SCHEDULE			
MAX. OPNG. WIDTH "W"	HEADER SIZE	STIFFCLIP HE TYPE AND SCREW PATTERN	JAMB TYPE
4'-0"	(2)-600S200-68	HE(L)-68 W/ 16/2 #10 SCREW PATTERN	TYPE J1
6'-0"	(2)-800S200-68	HE(L)-43 W/ 20/4 #10 SCREW PATTERN	TYPE J1
15'-0"	(2)-1200S200-97	HE(H)-68 W/ 20/4 #10 SCREW PATTERN	TYPE J2

NOTES:
1. HEADER MEMBERS SHALL HAVE UNPUNCHED WEBS.
2. INSTALL STIFFCLIP HE PER MANUFACTURER'S RECOMMENDATIONS
3. ATTACH WALL BRIDGING TO JAMBS.
4. ASSEMBLE BOXED HEADER AND JAMBS USING #10 TEKS @ 12" O.C. AS SHOWN
5. HEADERS AND JAMB TYPES SHOWN VALID FOR INTERIOR CONDITIONS ONLY

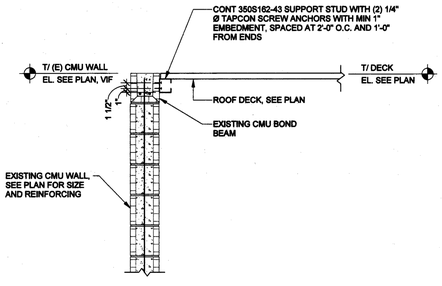




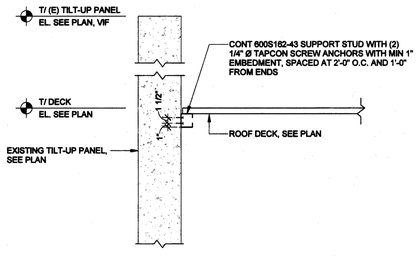
4 TYPICAL CFS STUD WALL OPENING DETAIL AT LOAD BEARING STUDS



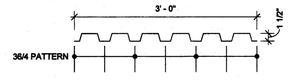
5 SECTION AT CFS JOIST TO CFS WALL STUD AT END CONDITION



6 SECTION AT CFS JOIST TO EXISTING CMU WALL CONNECTION



ROOF DECK FASTENING PATTERN		
BUILDING	ZONE	ROOF DECK MINIMUM FASTENING PATTERN
MAIN	1	36/4 5/8" PUDDLE WELDS WITH (4) #10 TEK SCREW SIDELAPS



TYPE "B" DECK

7 ROOF DECK SUPPORT ANGLE AT CFS WALL

8 ROOF DECK SUPPORT ANGLE AT EXISTING CMU WALL

9 ROOF DECK SUPPORT ANGLE AT EXISTING TILT-UP PANEL

10 ROOF DECK FASTENING SCHEDULE AND PATTERN

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VIENNA, OHIO

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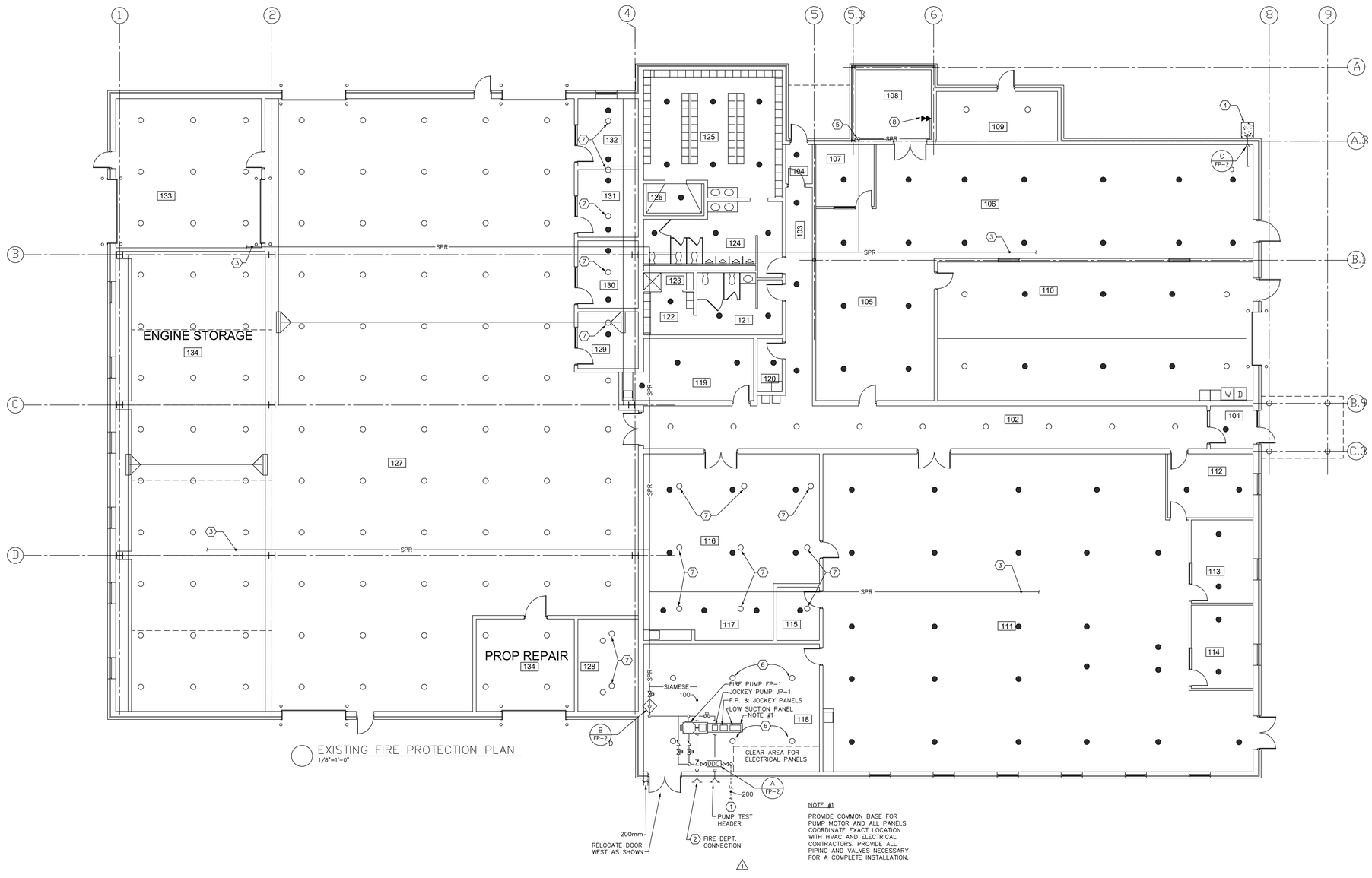
3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473
ZQEL 2024-0006 RENOVATE ENGINE SHOP B203
DETAILS

A-4
6 OF 8

BUILDING NUMBER: 203
DRAWING SCALE: 3/4" = 1'-0"
REVISION DATE: 27 JULY 2026
REVISED BY: B. PHILLIPS
CONSTRUCTION DATE: 1998
GROSS SQUARE FOOT: 26,593

CODED NOTES

1. CONNECT TO NEW FIRE SERVICE LINE AT THIS APPROXIMATE LOCATION. SEE SITE UTILITY PLAN FOR CONTINUATION.
2. SIAMESE, "FIRE DEPT. CONNECTION".
3. CONNECT TO SPRINKLER HEADS.
4. CONCRETE SPLASH BLOCK.
5. SPRINKLER RISER RISE INSIDE ROOM NO. 108.
6. PROVIDE SPRINKLER HEADS UNDER AND OVER MEZZANINE IN THIS AREA. SEE ARCHITECTURAL FLOOR PLANS FOR EXACT SIZE AND LOCATION.
7. THESE SPRINKLER HEADS OCCUR ABOVE STRUCTURAL SLAB.
8. PROVIDE A SECOND SET OF SIDEWALL SPRINKLER HEADS W/HEAT SHIELDS. MOUNT BELOW CATWALK.



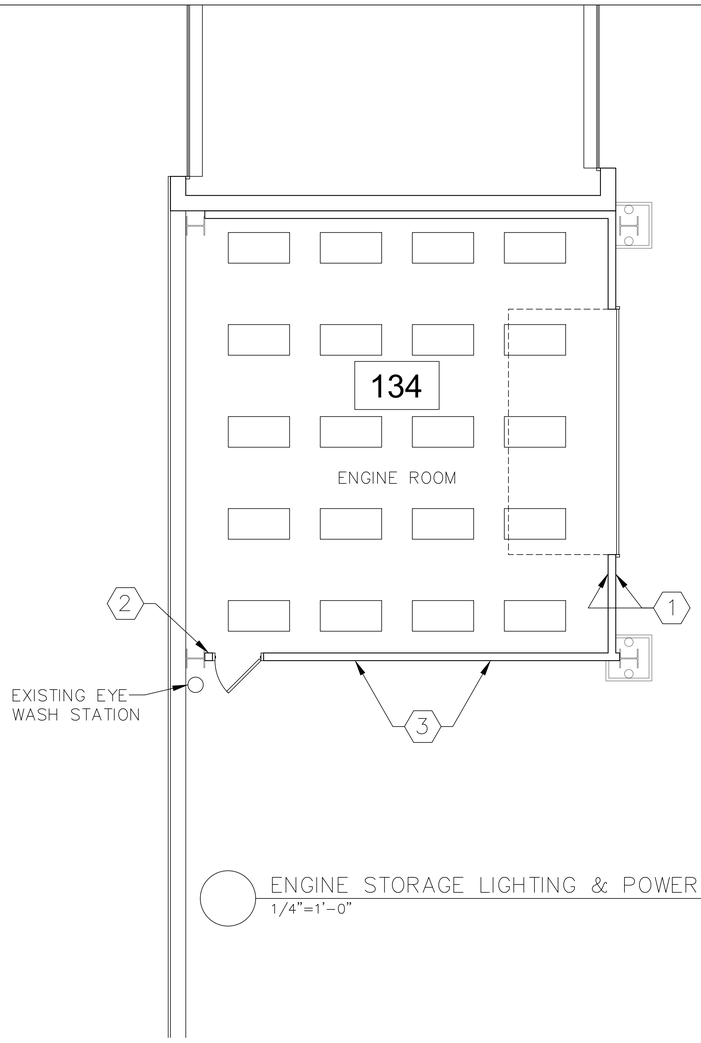
EXISTING FIRE PROTECTION PLAN
1/8"=1'-0"

YOUNGSTOWN AIR RESERVE STATION
VIENNA, OHIO

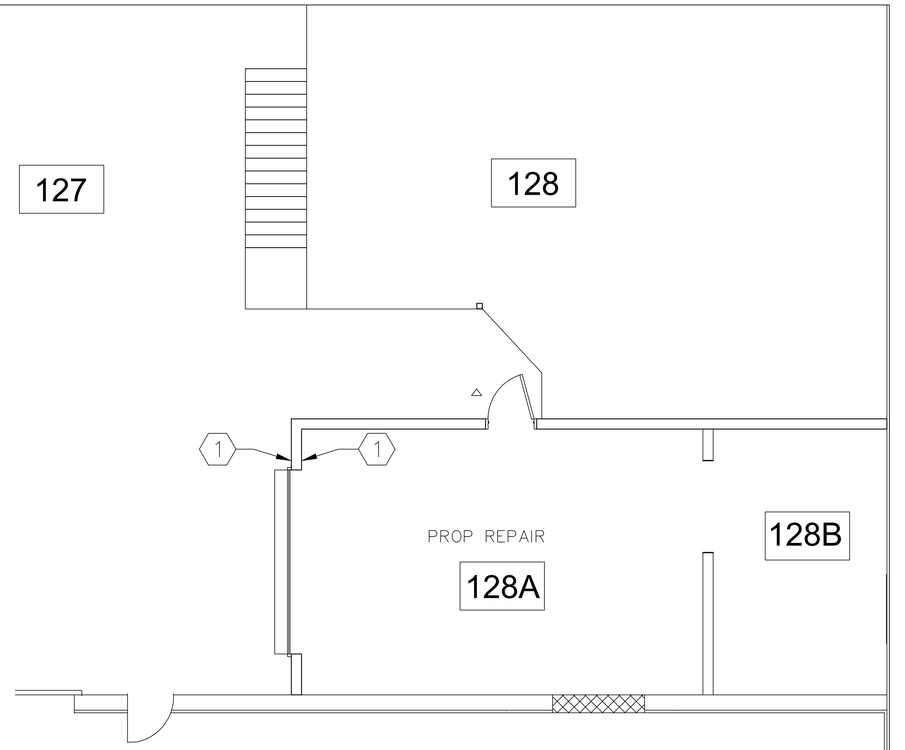
AIR FORCE RESERVE COMMAND HEADQUARTERS - 910th AIRLIFT WING
3976 KINGS GRAVE ROAD, VIENNA, OHIO 44473
ZQEL 2024-0006 RENOVATE ENGINE SHOP B203
FIRE PROTECTION PLAN (EXISTING)

FP-1
7 OF 8

BUILDING NUMBER: 203
DRAWING SCALE: 1/8"=1'-0"
REVISION DATE: 4 MARCH 2025
REVISED BY: B. PHILLIPS
CONSTRUCTION DATE: 1998
GROSS SQUARE FOOT: 26,593



ENGINE STORAGE LIGHTING & POWER PLAN
1/4"=1'-0"



PROP REPAIR LIGHTING & POWER PLAN
1/4"=1'-0"

CONSTRUCTION KEY NOTES

ENGINE STORAGE (ROOM 134)

1. CONTRACTOR TO INSTALL POWER ENABLED DOOR OPEN & CLOSE ON THE INTERIOR & EXTERIOR OF THE GARAGE DOOR.
2. CEILING LIGHTS TO BE WIRED BY MAN DOOR.
3. ADD (2) ADDITIONAL OUTLETS, EVENLY SPACED ON NEW WALL AT COUNTER HEIGHT.

CONSTRUCTION KEY NOTES

PROP REPAIR (ROOM 128A)

1. CONTRACTOR TO INSTALL POWER ENABLED DOOR OPEN & CLOSE ON THE INTERIOR & EXTERIOR OF THE GARAGE DOOR.

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VIENNA, OHIO

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ZQEL 2024-0006 RENOVATE ENGINE SHOP B203
LIGHTING & POWER PLAN

E-1
8 OF 8

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