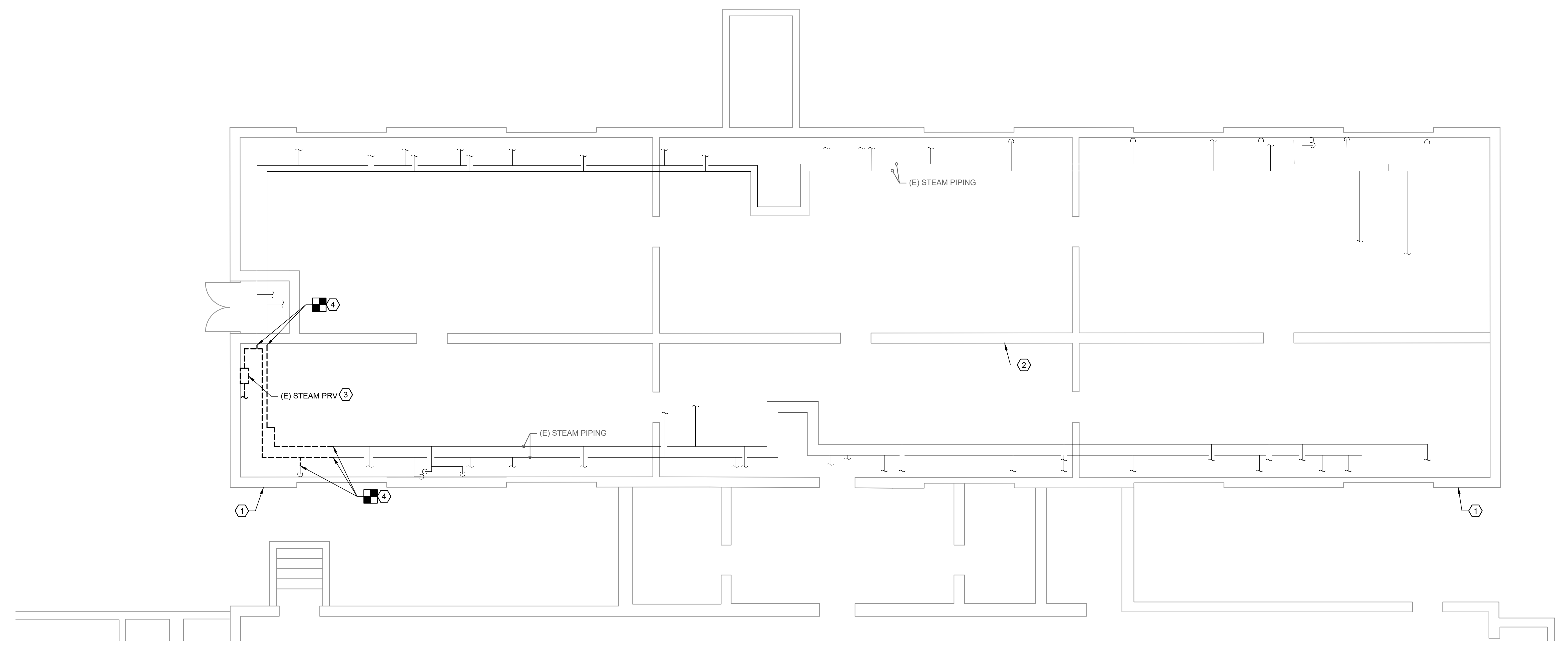
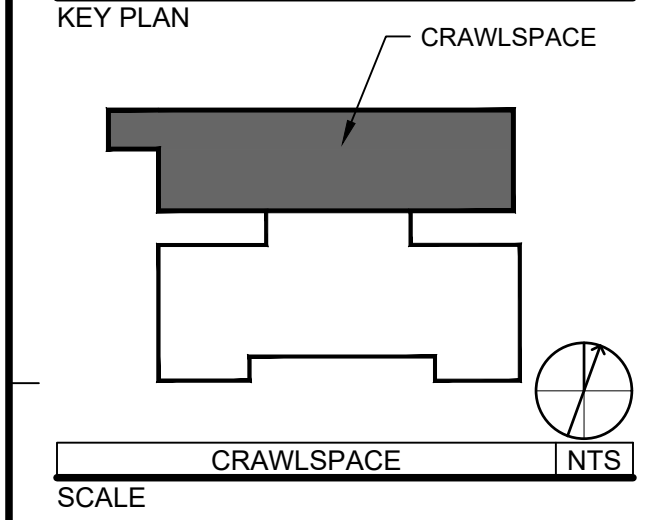
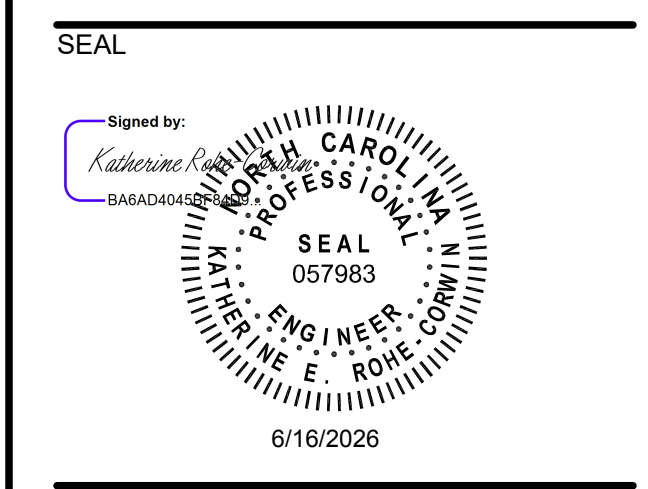




CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



1 CRAWLSPACE MECHANICAL DEMOLITION PLAN
SCALE: 3/16" = 1'-0"
0' 2' 4' 8'



REVISIONS

| NO. | DESCRIPTION | DATE |
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GENERAL NOTES:

1. STEAM SUPPLY TO POWELL HALL LOCATED OUTSIDE OF BUILDING. COORDINATE WITH CAMPBELL UNIVERSITY FACILITIES TO SHUT OFF STEAM TO BUILDING.
2. DEMOLISH STEAM PIPING IN CRAWLSPACE AS NEEDED TO MAKE ROOM FOR NEW CONSTRUCTION.

KEYNOTES:

1. CRAWLSPACE ACCESS DOOR LOCATED HERE.
2. REMOVE ALL DRYER LINT IN THE VICINITY OF THE ELECTRICAL PANEL. REPAIR AND REPLACE DRY VENT HOSE AS REQUIRED. CONNECT ALL LOOSE VENT HOSES BACK TO VENT CAPS ON EXTERIOR WALL OF CRAWL SPACE.
3. STEAM PIPING TO BE ABANDONED IN PLACE. AFTER STEAM SUPPLY TO BUILDING IS SHUT OFF, ALLOW STEAM SYSTEM TO COOL AND DRAIN SYSTEM OF CONDENSATE. DISCONNECT STEAM SUPPLY PIPING FROM PRESSURE REDUCING STATION AND CAP PIPING END.
4. DEMOLISH STEAM PIPING FROM POINT INDICATED.

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

CRAWLSPACE MECHANICAL DEMOLITION PLAN

PROJECT NO. 50193045

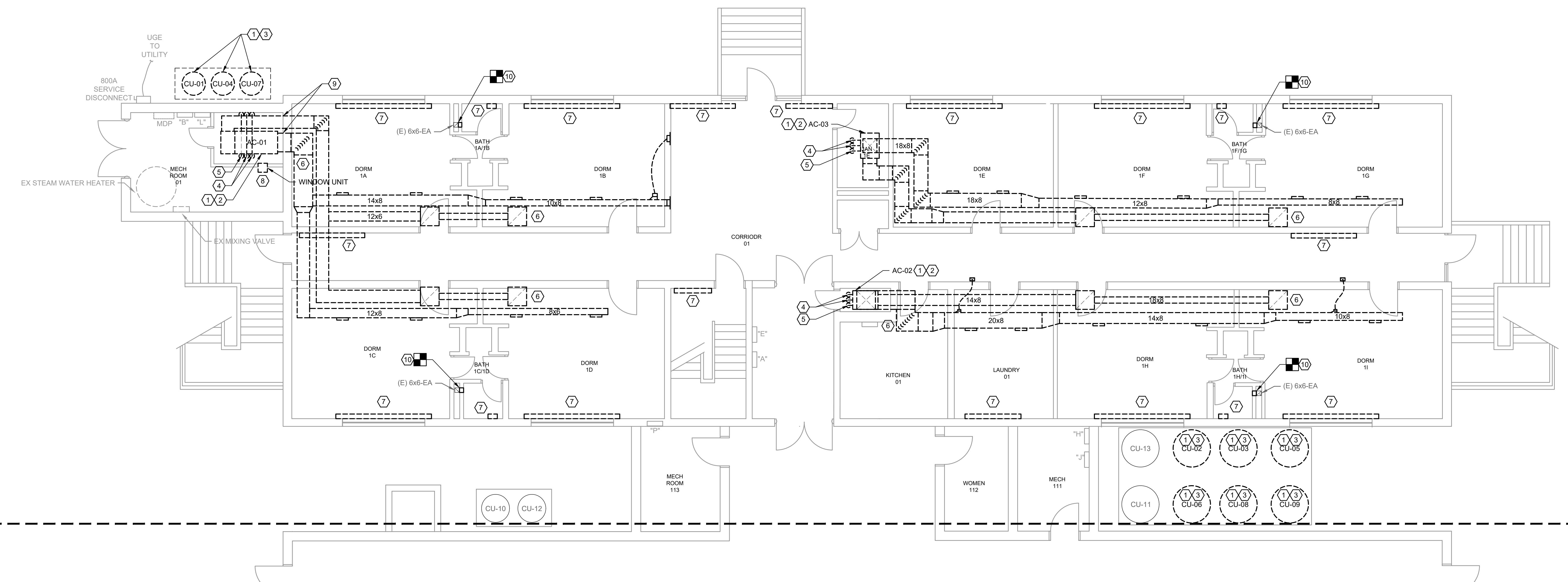
MD101

SHEET NO.

6/14/2026 10:16:51 AM
P:\0783045\CAD\MCHANICAL\0783045 MD101 CRAWLSPACE MECHANICAL DEMOLITION PLAN.DWG

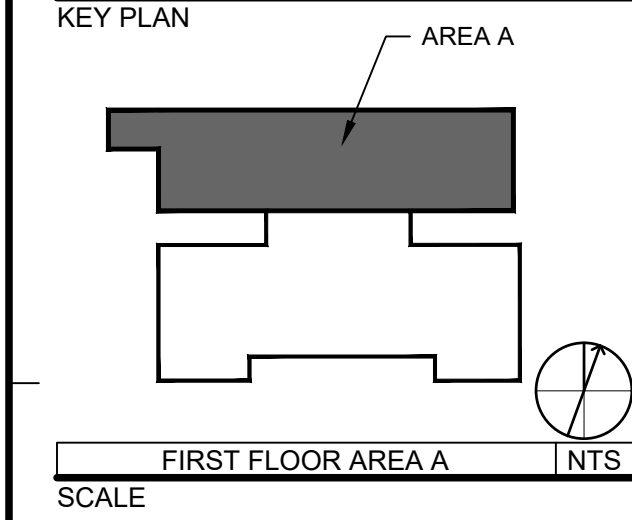


CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



1 FIRST FLOOR MECHANICAL DEMOLITION PLAN AREA A
SCALE: 3/16" = 1'-0"

SEAL
Signed by:
Katherine R. ...
KATHERINE R. ...
REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
SEAL
057983
KATHERINE R. ...
6/16/2026



REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-----------------|---------|
| 1 | DOAS RELOCATION | 6/11/26 |

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

GENERAL NOTES:

- ACT CEILING AND SOFFIT TO BE DEMOLISHED BY CAMPBELL UNIVERSITY FACILITIES. REMOVE AND STORE CEILING TILES TO PERFORM WORK. COORDINATE CEILING SCOPE WITH CAMPBELL UNIVERSITY.

KEYNOTES:

- PRIOR TO DEMOLITION OF SPLIT SYSTEMS, CONTRACTOR SHALL RECOVER AND DISPOSE OF ALL REFRIGERANT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.
- DEMOLISH AIR CONDITIONING UNIT IN ITS ENTIRETY. DISCONNECT DUCT WORK, PIPING AND LINESET. DEMOLISH POWER AND CONTROL EQUIPMENT AND WIRING, INCLUDING BUT NOT LIMITED TO SPACE THERMOSTATS.
- DEMOLISH CONDENSING UNIT IN ITS ENTIRETY. DISCONNECT LINESET. DEMOLISH POWER AND CONTROL EQUIPMENT AND WIRING. DEMOLISH CONCRETE PAD.
- DEMOLISH REFRIGERANT LINESET FROM THE INTERIOR UNIT TO THE EXTERIOR UNIT. PATCH AND PAINT WALL PENETRATIONS WITH LIKE MATERIALS.
- DEMOLISH CONDENSATE PIPING FROM POINT INDICATED TO LOCATION OF DISCHARGE TO GRADE. PATCH AND PAINT WALL PENETRATIONS WITH LIKE MATERIALS. REFER TO DETAIL.
- DEMOLISH DUCT WORK IN ITS ENTIRETY.

- DEMOLISH STEAM RADIATOR. DEMOLISH STEAM PIPE LEVEL WITH FLOOR SURFACE. PROVIDE FLOOR PLATE TO COVER PIPE. MOUNT FLUSH WITH FLOOR. COORDINATE WITH GENERAL CONTRACTOR TO COVER NEWLY EXPOSED FLOOR AND WALL AREA.
- REMOVE WINDOW UNIT AND RELINQUISH TO CAMPBELL UNIVERSITY FACILITIES.
- PATCH MECHANICAL ROOM MASONRY WALL WITH LIKE MATERIALS. PROVIDE SLEEVES FOR WIRING, PIPING, AND OTHER UTILITIES AS NEEDED TO CREATE SMOKE TIGHT WALL.
- DEMOLISH TOILET ROOM EXHAUST GRILLE AND CAP DUCT. PATCH AND PAINT WALL TO MATCH ADJACENT FINISH.

FIRST FLOOR MECHANICAL DEMOLITION PLAN AREA A

PROJECT NO. 50193045

MD111

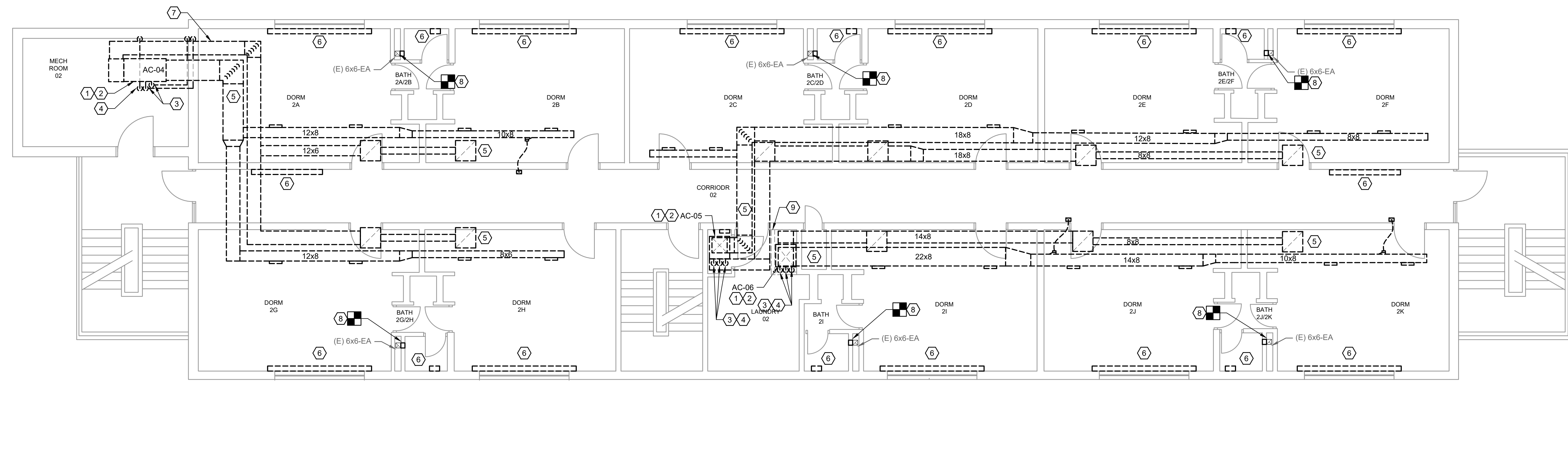
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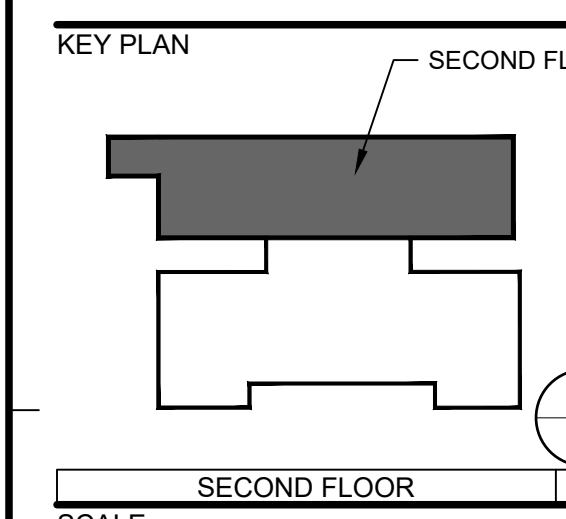
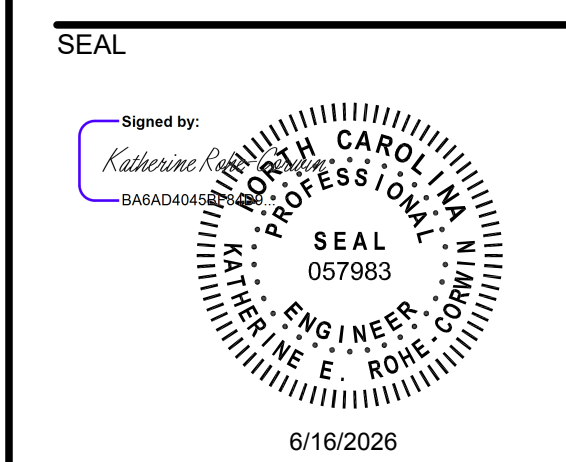


CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS

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1 SECOND FLOOR MECHANICAL DEMOLITION WORK PLAN
SCALE: 3/16" = 1'-0"



REVISIONS

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GENERAL NOTES:

- ACT CEILING AND SOFFIT TO BE DEMOLISHED BY CAMPBELL UNIVERSITY FACILITIES. REMOVE AND STORE CEILING TILES TO PERFORM WORK. COORDINATE CEILING SCOPE WITH CAMPBELL UNIVERSITY.

KEYNOTES:

- PRIOR TO DEMOLITION OF SPLIT SYSTEMS, CONTRACTOR SHALL RECOVER AND DISPOSE OF ALL REFRIGERANT IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.
- DEMOLISH AIR CONDITIONING UNIT IN ITS ENTIRETY. DISCONNECT DUCT WORK, PIPING AND LINESET. DEMOLISH POWER AND CONTROL EQUIPMENT AND WIRING, INCLUDING BUT NOT LIMITED TO SPACE THERMOSTATS.
- DEMOLISH REFRIGERANT LINESET FROM THE INTERIOR UNIT TO THE EXTERIOR UNIT. PATCH AND PAINT WALL PENETRATIONS WITH LIKE MATERIALS. REFER TO DETAIL.
- DEMOLISH CONDENSATE PIPING FROM POINT INDICATED TO LOCATION OF DISCHARGE TO GRADE. PATCH AND PAINT WALL PENETRATIONS WITH LIKE MATERIALS.
- DEMOLISH DUCTWORK IN ITS ENTIRETY.
- DEMOLISH STEAM RADIATOR. DEMOLISH STEAM PIPE LEVEL WITH FLOOR SURFACE. PROVIDE FLOOR PLATE TO COVER PIPE. MOUNT FLUSH WITH FLOOR. COORDINATE WITH GENERAL CONTRACTOR TO COVER NEWLY EXPOSED FLOOR AND WALL AREA.

- PATCH MECHANICAL ROOM MASONRY WALL WITH LIKE MATERIALS. PROVIDE SLEEVES FOR WIRING, PIPING, AND OTHER UTILITIES AS NEEDED TO CREATE SMOKE TIGHT WALL.
- DEMOLISH TOILET ROOM EXHAUST GRILLE AND CAP DUCT. PATCH AND PAINT WALL TO MATCH ADJACENT FINISH.
- DEMOLISH PLYWOOD ENCLOSURE AROUND AC. PATCH AND PAINT WALL TO MATCH ADJACENT FINISH.

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

TITLE
SECOND FLOOR MECHANICAL DEMOLITION PLAN

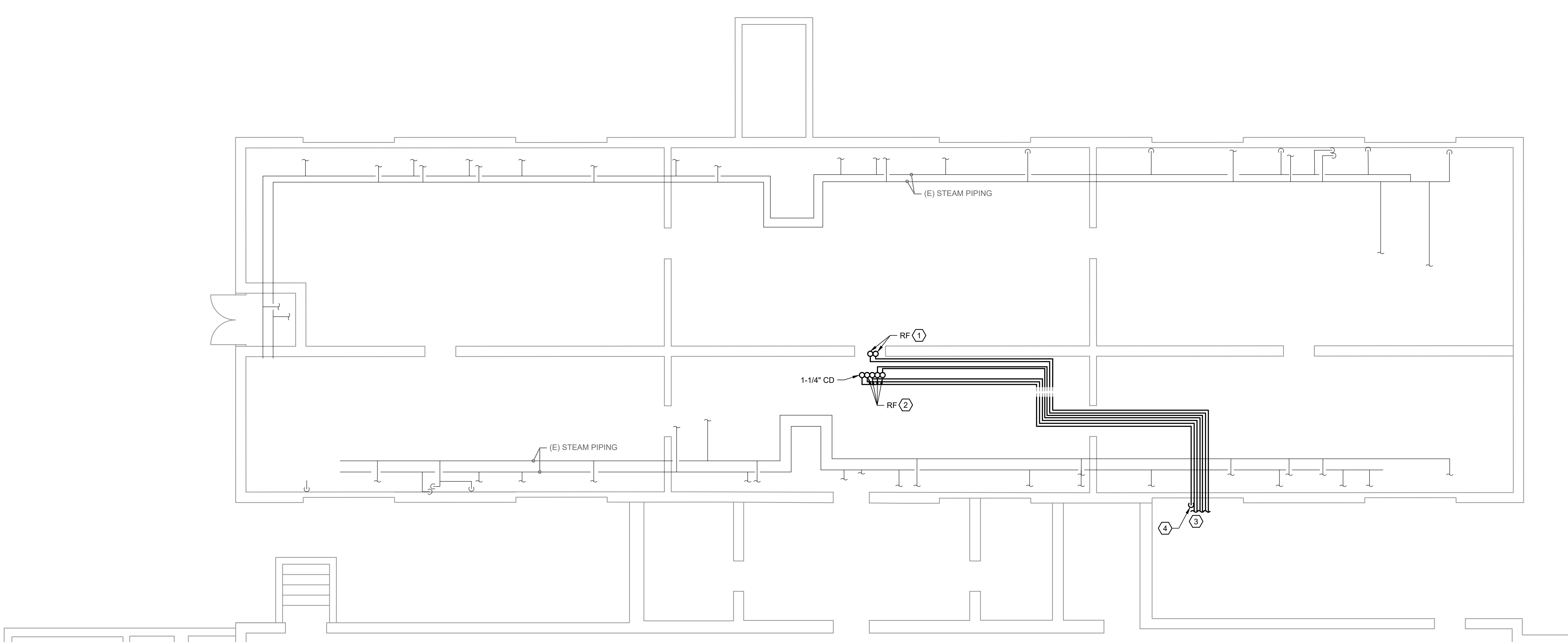
PROJECT NO. 50193045

MD121

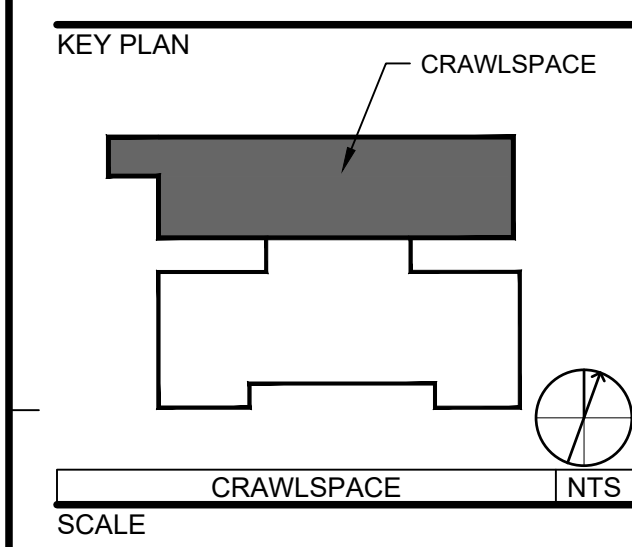
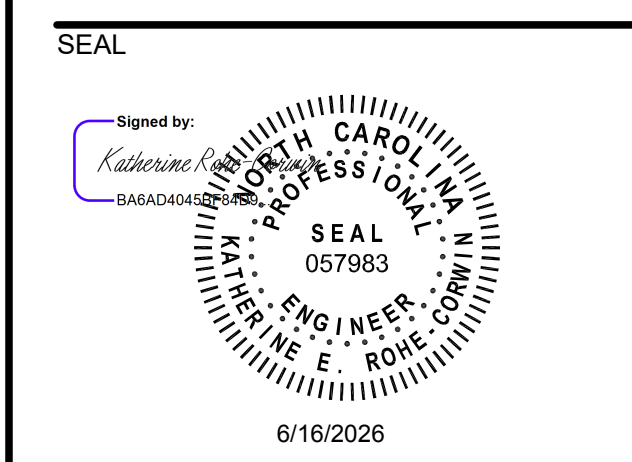
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CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



1 CRAWLSPACE MECHANICAL NEW WORK PLAN
SCALE: 3/16" = 1'-0" 0' 2' 4' 8'



| REVISIONS | | |
|-----------|-----------------|---------|
| NO. | DESCRIPTION | DATE |
| 1 | DOAS RELOCATION | 6/11/26 |

GENERAL NOTES:

- DEMOLISH STEAM AND CONDENSATE PIPING IN CRAWLSPACE AS NEEDED TO MAKE ROOM FOR NEW CONSTRUCTION.

KEYNOTES:

- UP TO FCU-1.
- UP TO FCU-2 AND FCU-3.
- PROVIDE REFRIGERANT LINESET FROM CONDENSING UNITS TO INDOOR UNITS. SEE FIRST FLOOR FOR CONTINUATION.
- DISCHARGE CONDENSATE 6" ABOVE GRADE USING EXISTING CRAWLSPACE PENETRATIONS FROM DEMOLISHED UNITS. PROVIDE SPLASH BLOCK.

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

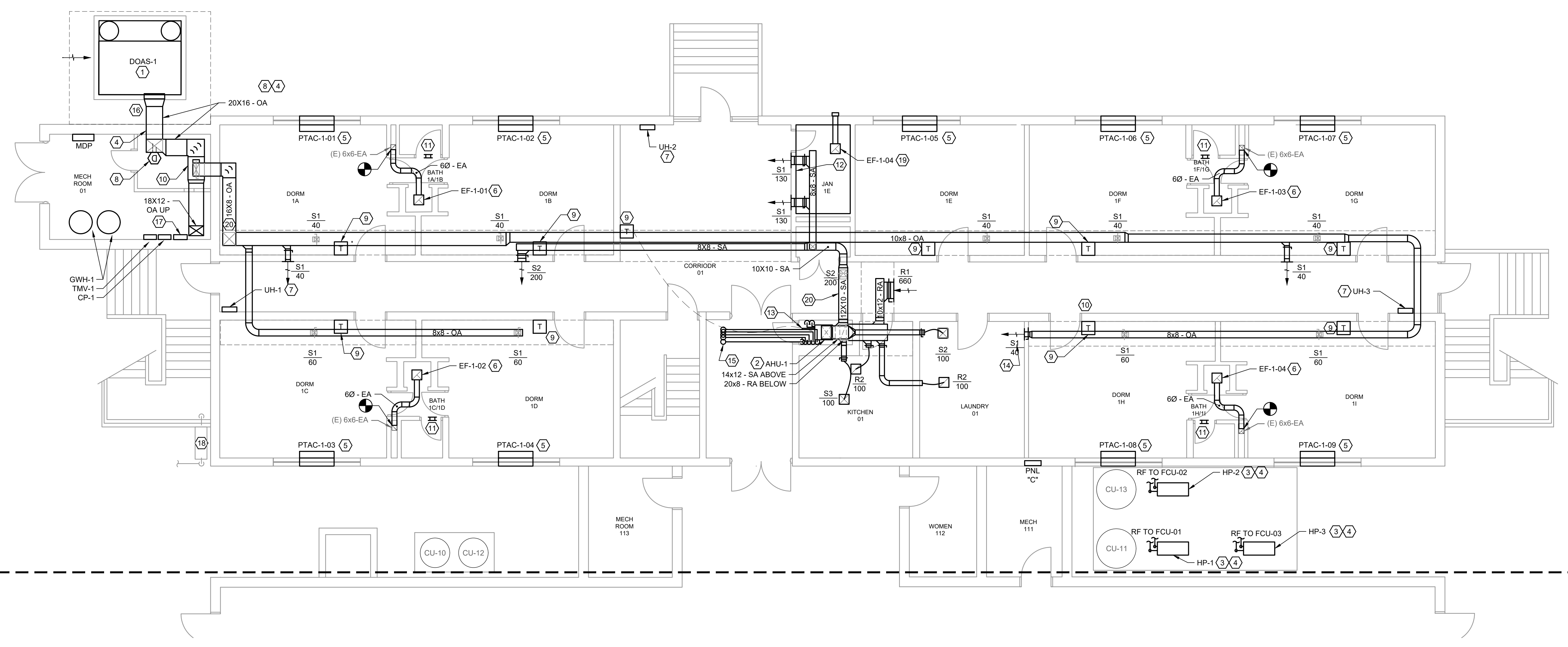
TITLE
CRAWLSPACE MECHANICAL NEW WORK PLAN

PROJECT NO. 50193045

M-101
SHEET NO.

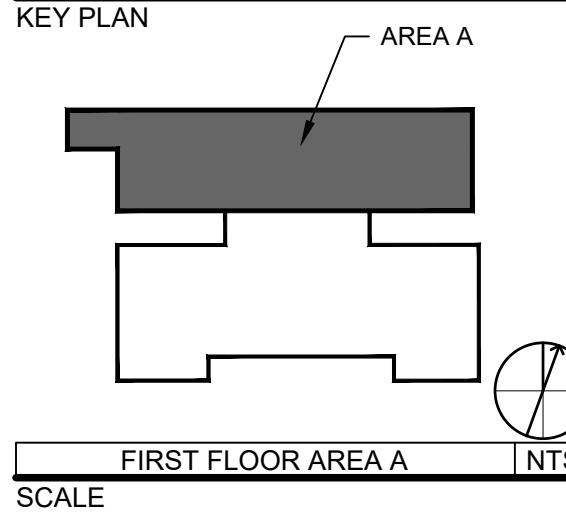


CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



1 FIRST FLOOR MECHANICAL NEW WORK PLAN AREA A
SCALE: 3/16" = 1'-0"

SEAL
Signed by
Katherine
SWANSON
REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
SEAL
057983
ENGINEER
JAMES E. ROHE, COMMISSIONER
6/16/2026



REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-----------------|---------|
| 1 | DOAS RELOCATION | 6/11/26 |

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

FIRST FLOOR MECHANICAL NEW WORK PLAN AREA A

PROJECT NO. 50193045

M-111

SHEET NO.

GENERAL NOTES:

- COORDINATE WITH GENERAL CONTRACTOR FOR PENETRATIONS, DUCT SHAFTS/SOFFITS, AND CEILINGS.

KEYNOTES:

- PROVIDE DOAS. PROVIDE POWER AND CONTROL WIRING AND DISCONNECTING MEANS. LOCATE DOAS TO MEET ALL EQUIPMENT CLEARANCES. PROVIDE 6" DEEP CONCRETE PAD WITH CRUSHED GRAVEL BASE. PAD SHALL BE 6" LONGER AND WIDER THAN UNIT FOOT PRINT. PROVIDE OA DUCT, ROUTE TO CRAWLSPACE AS SHOWN. PROVIDE BRICK LINTEL. SEE DETAILS FOR MORE INFORMATION.
- PROVIDE FAN COIL UNIT. PROVIDE DUCTWORK COMPLETE WITH INSULATION, SUPPORTS, AND ACCESSORIES AND ROUTE AS SHOWN.
- PROVIDE CONDENSING UNIT. MOUNT TO EXISTING CONCRETE PAD. PROVIDE POWER AND CONTROL WIRE AND DISCONNECTING MEANS.
- EXTERIOR WALL PENETRATION. COORDINATE WITH GENERAL CONTRACTOR FOR PENETRATION.
- PROVIDE PTAC WITH WALL SLEEVE AND SUBBASE. INSTALL PER MANUFACTURERS INSTRUCTIONS. COORDINATE WITH GENERAL CONTRACTOR FOR WALL PENETRATION LINTEL.
- PROVIDE EXHAUST FAN. ROUTE DUCT TO EXISTING DUCT

- RISER LOCATED IN PLUMBING CHASE.
- PROVIDE UNIT HEATER WITH INTEGRAL THERMOSTAT. SURFACE MOUNT ON CONCRETE BLOCK WALL PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE DUCT DETECTOR AND HARDWIRE TO DOAS DOR SMOKE SHUTDOWN. PROVIDE 12X12 HINGED DOOR ACCESS.
- PROVIDE THERMOSTAT AT 48" AFF. PROVIDE WIRE-MOLD FOR CONTROL WIRING EXPOSED BENEATH THE CEILING.
- OA DUCT DOWN INTO MECHANICAL ROOM. ROUTE TO EXISTING FLOOR PEETRATION FROM DEMOLISHED TRASH SHOOT. RESIZE FLOOR PENETRATION AS NEEDED. PROVIDE SLEEVE AT FLOOR PENETRATION. ROUTE DUCT INTO BUILDING THROUGH EXISTING WALL OPENING. INFILL AND INSULATE WALL AROUND DUCT AND PROVIDE A WALL SLEEVE.
- PROVIDE OPENING ABOVE TOILET DOOR BY REMOVING THE WOOD PANEL TRANSOM. OR PROVIDE 8X8 TRANSFER

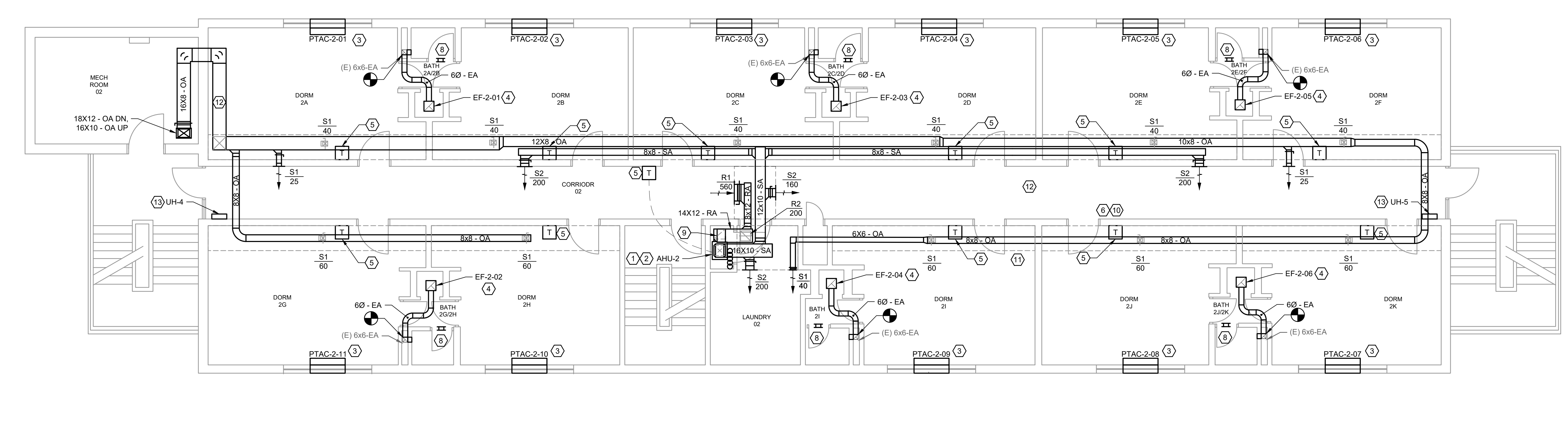
- GRILLE CENTERED OVER TOILET ROOM FLOOR, 7'-6" AFF.
- PROVIDE FAN SWITCH ADJACENT TO LIGHT SWITCH. MOUNT AT 48" AFF.
- ROUTE CONDENSATE TO CONDENSATE RISER FROM FCU-2,3. PROVIDE WYE INTO RISER. ROUTE CONDENSATE DOWN TO CRAWLSPACE. PROVIDE ESCUTCHEON TO COVER FLOOR PENETRATION.
- PROVIDE SUPPLY GRILLE AT 60" AFF TO BOTTOM OF GRILLE. PROVIDE 6X6 ACCESS DOOR BELOW SUPPLY GRILLE FOR ACCESS TO VOLUME DAMPER. AFTER ALL BRANCHES, TRANSITION TO 18X12. SEE SHEET M-121 FOR CONTINUATION. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE DUCT CHASE AND ACCESS DOOR IN CHASE.
- UP TO FCU-2,3. ROUTE ABOVE CEILING.
- PROVIDE EXTERIOR OA DUCT WITH ALUMINUM JACKETING.
- PROVIDE NETWORK CONTROL PANEL. PROVIDE 120V

- POWER AND DATA WIRING.
- GAS METER. REFER TO PLUMBING PLANS FOR MORE INFORMATION.
- PROVIDE EXHAUST FAN. PROVIDE POWER AND CONTROL WIRE. PROVIDE EXHAUST DUCT, ROUTE TO EXTERIOR WALL AND PROVIDE WALL VENT WITH BIRD SCREEN AND BACKDRAFT DAMPER.
- DUCT ROUTED UP BETWEEN JOISTS.

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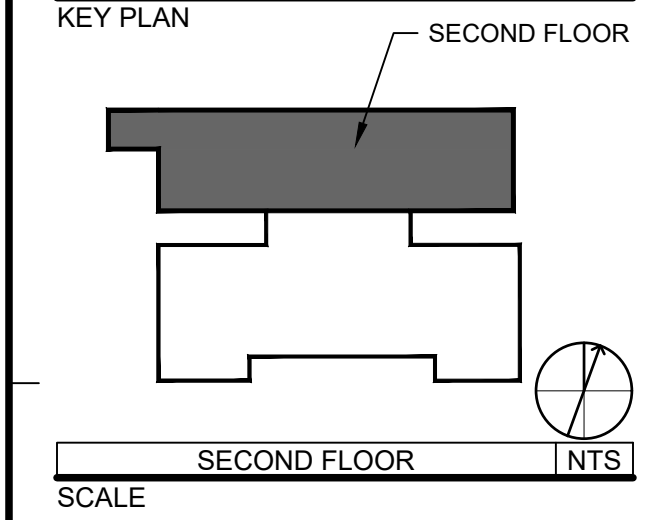


CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



1 SECOND FLOOR MECHANICAL NEW WORK PLAN
SCALE: 3/16" = 1'-0"
0' 2' 4' 8'

SEAL
SIGNED BY: *Katherine E. Rohde*
KATHERINE E. ROHDE
REGISTERED PROFESSIONAL ENGINEER
SEAL 057983
STATE OF NORTH CAROLINA
6/16/2026



REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-----------------|----------|
| 1 | DOAS RELOCATION | 06/11/26 |

GENERAL NOTES:

1. PROVIDE FAN COIL UNIT. PROVIDE DUCT WORK FROM FAN COIL UNIT TO SPACES SERVED. PROVIDE FLEXIBLE DUCT CONNECTIONS AND TRANSITIONS AS NECESSARY.
2. PROVIDE REFRIGERANT PIPING LINESET BETWEEN CORRESPONDING INDOOR AND OUTDOOR UNITS. PROVIDE WITH 1-1/2" ELASTOMERIC CLOSED CELL INSULATION. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTION.
3. PROVIDE PTAC. INSTALL PER MANUFACTURERS INSTRUCTIONS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
4. PROVIDE EXHAUST FAN. ROUTE DUCT TO EXISTING DUCT RISER. LOCATED IN PLUMBING CHASE.
5. PROVIDE THERMOSTAT AT 48" AFF. PROVIDE WIRE-MOLD FOR CABLE EXPOSED BENEATH THE CEILING.
6. DOWN TO 1ST FLOOR & UP TO 3RD FLOOR.
7. ROUTE SHALL WYE INTO CONDENSATE FROM FCU-3. ROUTE DOWN TO CRAWLSPACE USING EXISTING CONDENSATE ROUTE. PROVIDE ESCUTCHEON TO COVER

KEYNOTES:

1. FLOOR PENETRATION.
2. PROVIDE 8x8 TRANSFER GRILLE CENTERED OVER TOILET ROOM DOOR, 7'-6" AFF.
3. RA DUCT 14X12 FROM UNIT, TRANSITION TO 16X10.
4. AFTER ALL BRANCHES, TRANSITION TO 12X12. SEE SHEET M-131 FOR CONTINUATION.
5. PROVIDE FIRE DAMPER WITH ACCESS DOOR AT FLOOR PENETRATION FOR DUCT RISER. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE DUCT CHASE AND ACCESS DOOR IN CHASE.
6. DUCT ROUTED UP BETWEEN JOISTS.
7. PROVIDE UNIT HEATER WITH INTEGRAL THERMOSTAT. SURFACE MOUNT ON CONCRETE BLOCK WALL PER MANUFACTURER'S INSTRUCTIONS.

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

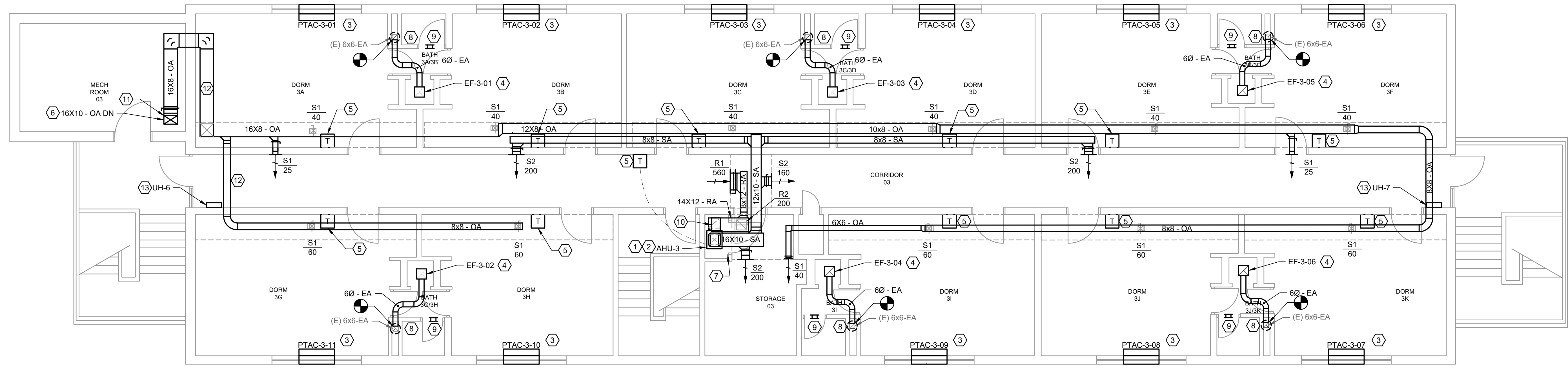
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SECOND FLOOR MECHANICAL NEW WORK PLAN

PROJECT NO. 50193045

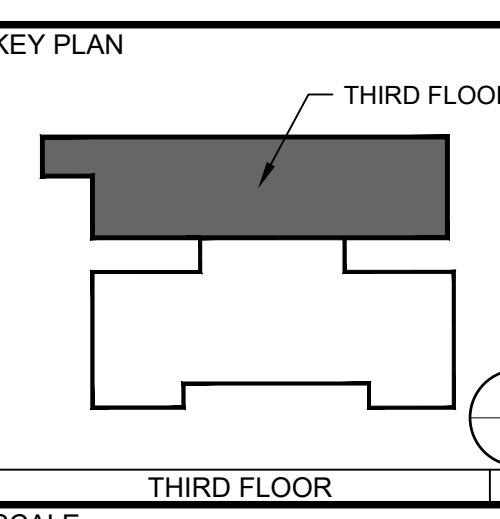
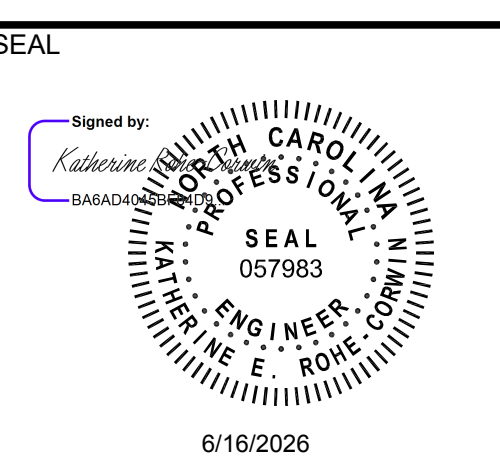
M-121

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1 THIRD FLOOR MECHANICAL NEW WORK PLAN
SCALE: 3/16" = 1'-0"



REVISIONS

| NO. | DESCRIPTION | DATE |
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| 1 | DOAS RELOCATION | 6/11/26 |

GENERAL NOTES:

KEYNOTES:

1. PROVIDE FAN COIL UNIT. PROVIDE DUCT WORK FROM FAN COIL UNIT TO SPACES SERVED. PROVIDE FLEXIBLE DUCT CONNECTIONS AND TRANSITIONS AS NECESSARY.
2. PROVIDE REFRIGERANT PIPING LINES BETWEEN CORRESPONDING INDOOR AND OUTDOOR UNITS. PROVIDE WITH 1-1/2" ELASTOMERIC CLOSED CELL INSULATION. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTION.
3. PROVIDE PTAC. INSTALL PER MANUFACTURERS INSTRUCTIONS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
4. PROVIDE EXHAUST FAN. ROUTE DUCT TO EXISTING DUCT RISER LOCATED IN PLUMBING CHASE.
5. PROVIDE THERMOSTAT AT 48" AFF. PROVIDE WIRE-MOLD FOR CABLE EXPOSED BENEATH THE CEILING.
6. DOWN TO 2ND FLOOR.
7. ROUTE CONDENSATE DOWN EXISTING FLOOR PENETRATION. PROVIDE ESCUTCHEON TO COVER FLOOR PENETRATION.

8. PROVIDE GRAVITY VENT ON ROOF. CONNECT TO EXISTING EXHAUST-DUCT RISER. MOUNT ON EXISTING ROOF CURB.
9. PROVIDE 8x8 TRANSFER GRILLE CENTERED OVER TOILET ROOM DOOR, 7'-6" AFF.
10. RA DUCT 14X12 FROM UNIT. TRANSITION TO 16X10.
11. PROVIDE FIRE DAMPER WITH ACCESS DOOR AT FLOOR PENETRATION FOR DUCT RISER. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE DUCT CHASE AND ACCESS DOOR IN CHASE.
12. DUCT ROUTED UP BETWEEN JOISTS.
13. PROVIDE UNIT HEATER WITH INTEGRAL THERMOSTAT. SURFACE MOUNT ON CONCRETE BLOCK WALL PER MANUFACTURER'S INSTRUCTIONS.

DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026

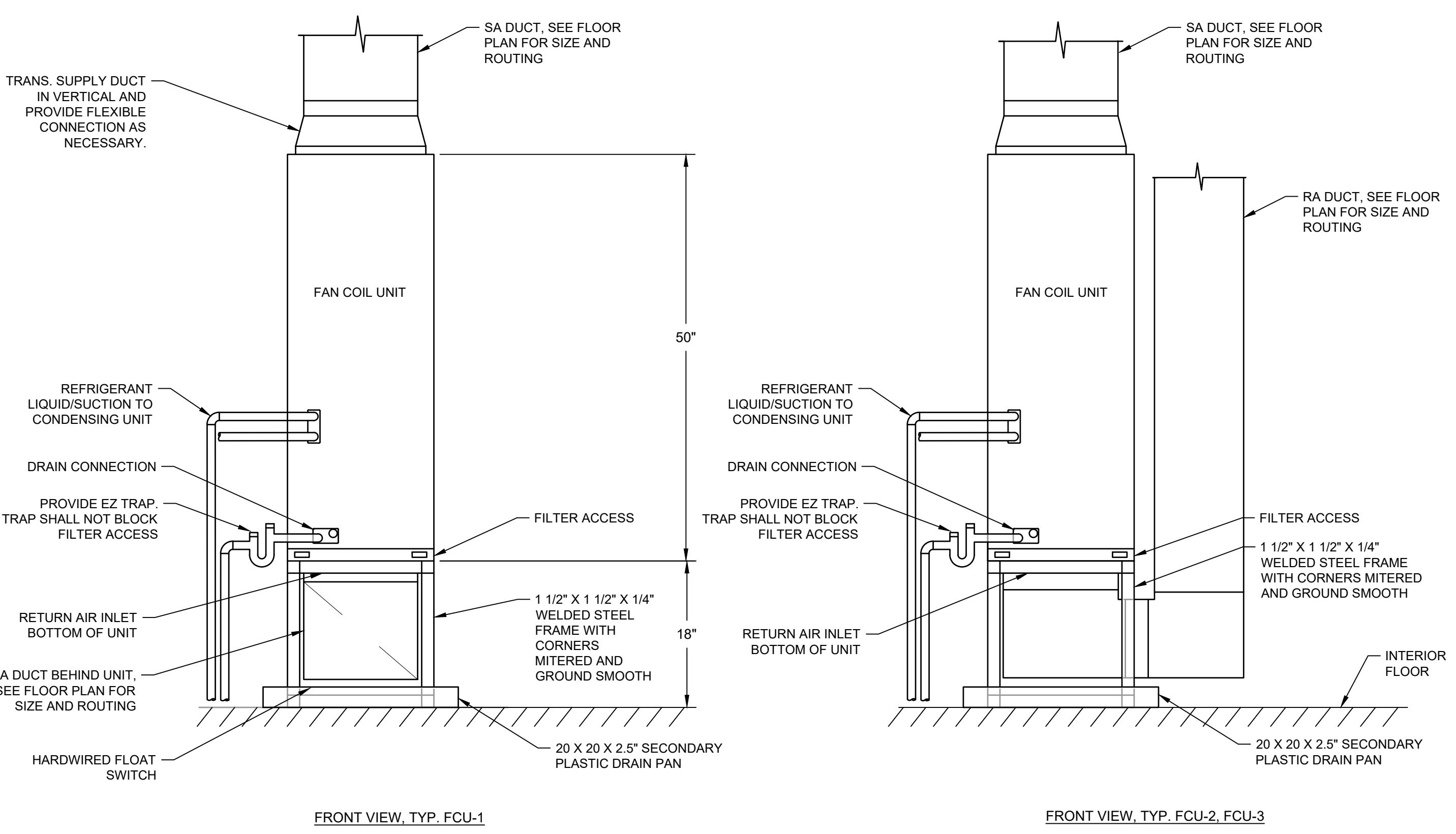
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THIRD FLOOR MECHANICAL NEW WORK PLAN

PROJECT NO. 50193045

M-131

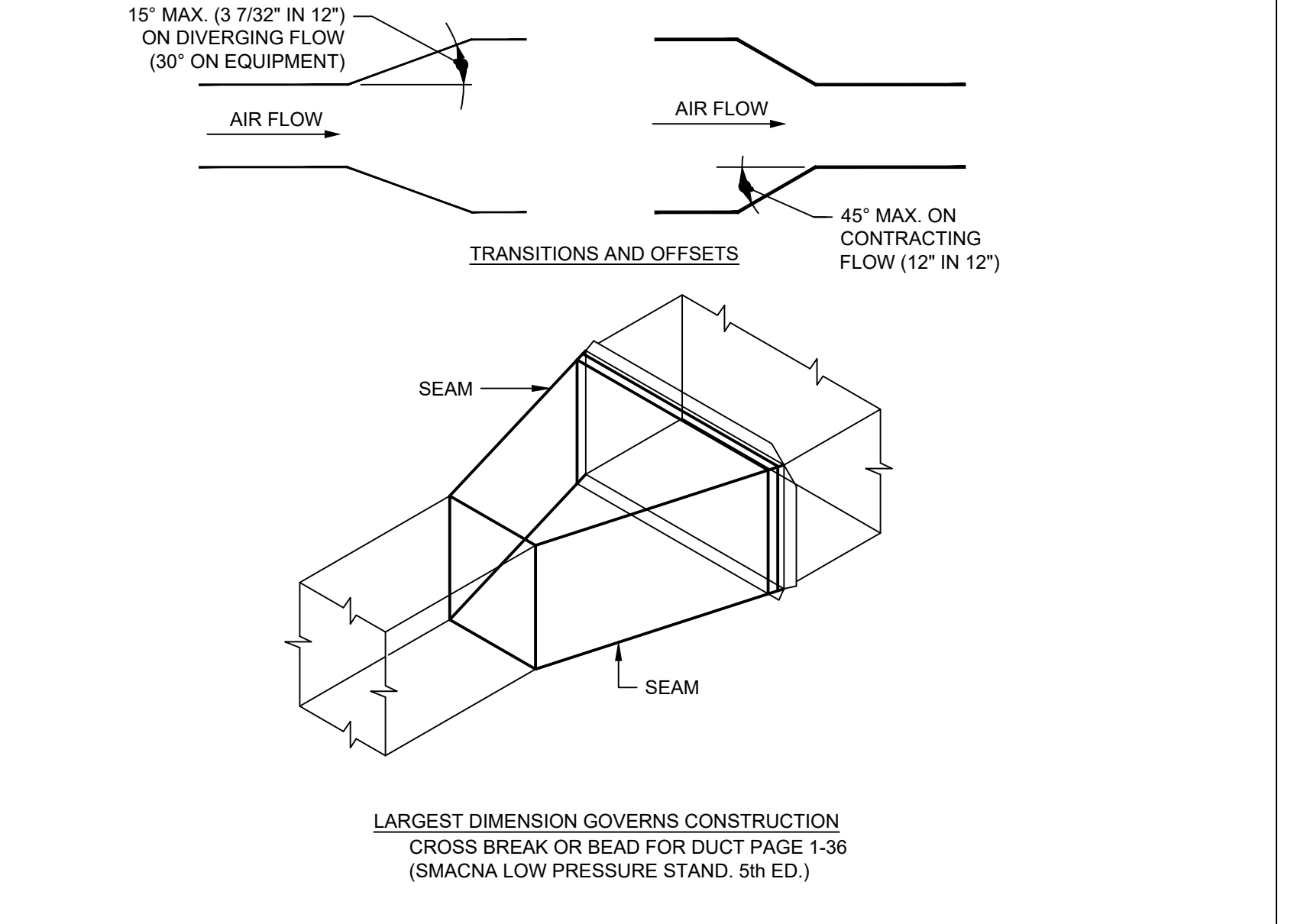
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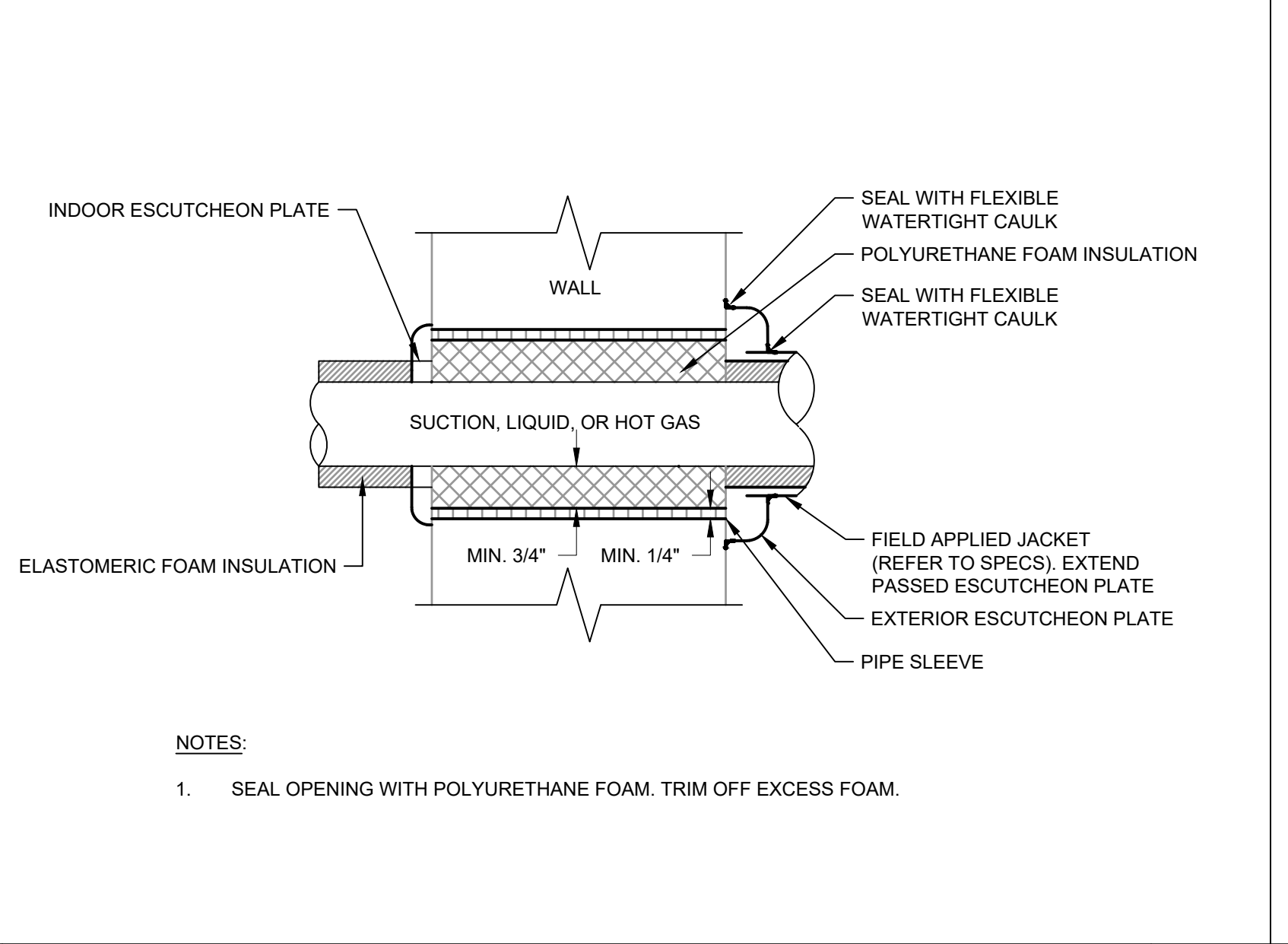


1 FCU TYPICAL SECTION VIEW SCALE: NTS 237313

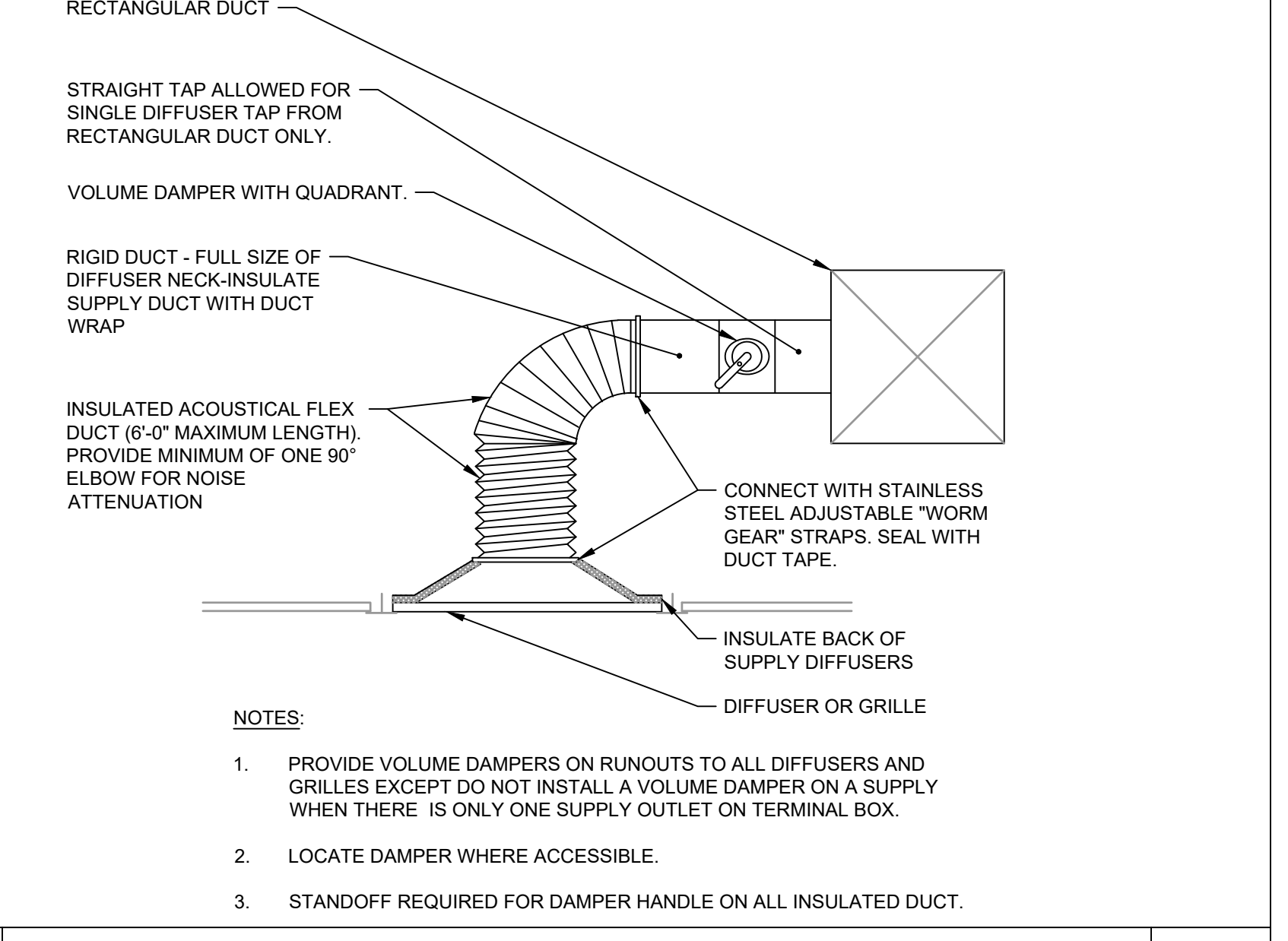
2 FCU TYPICAL TOP VIEW SCALE: NTS 237313



3 DUCT TRANSITION SCALE: NTS 233113-009



6 REFRIGERANT LINE - WALL PENETRATION SCALE: NTS 232300-002



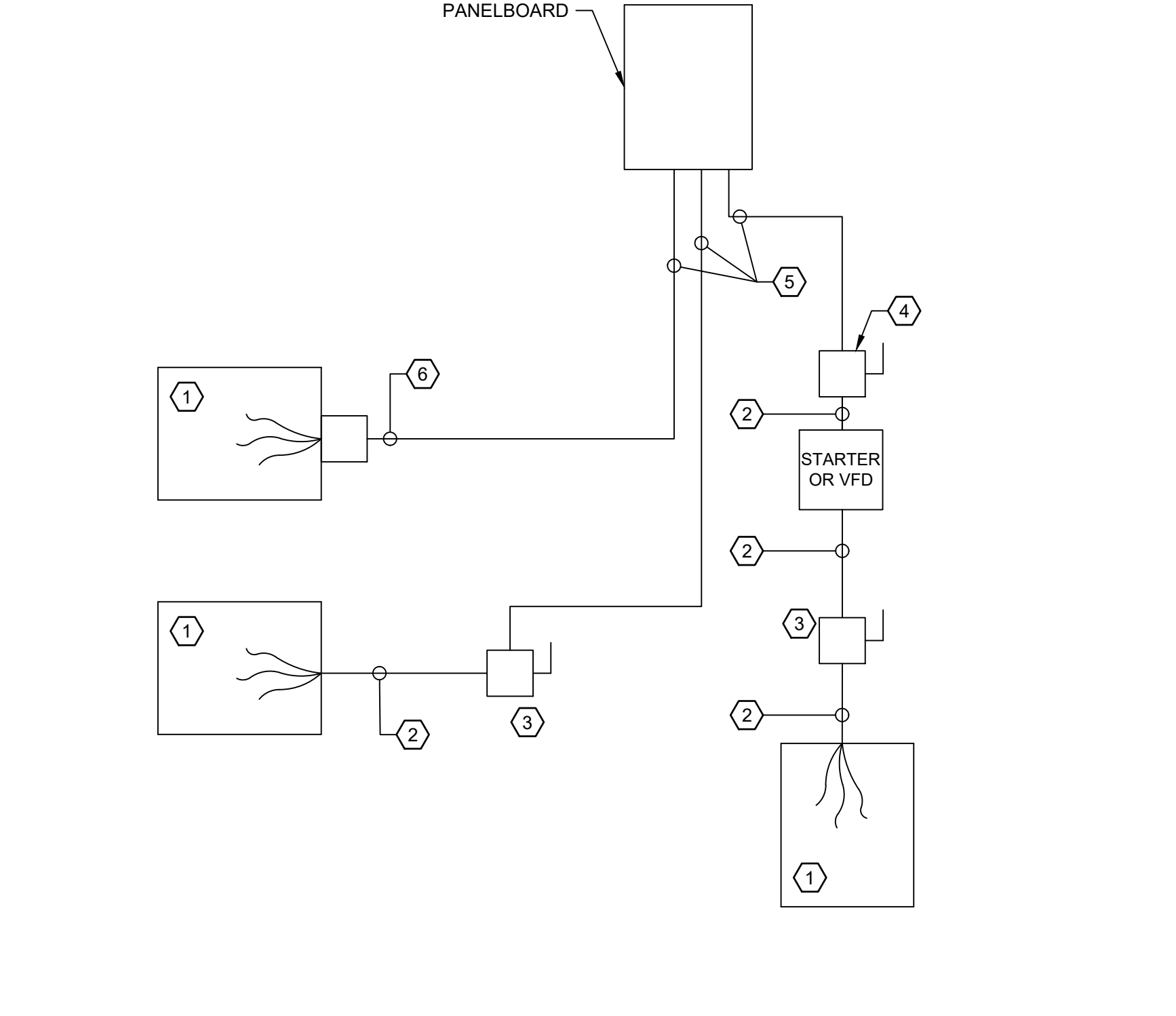
7 GRILLE AND DIFFUSER ASSEMBLY SCALE: NTS 233713-001

GENERAL NOTES:

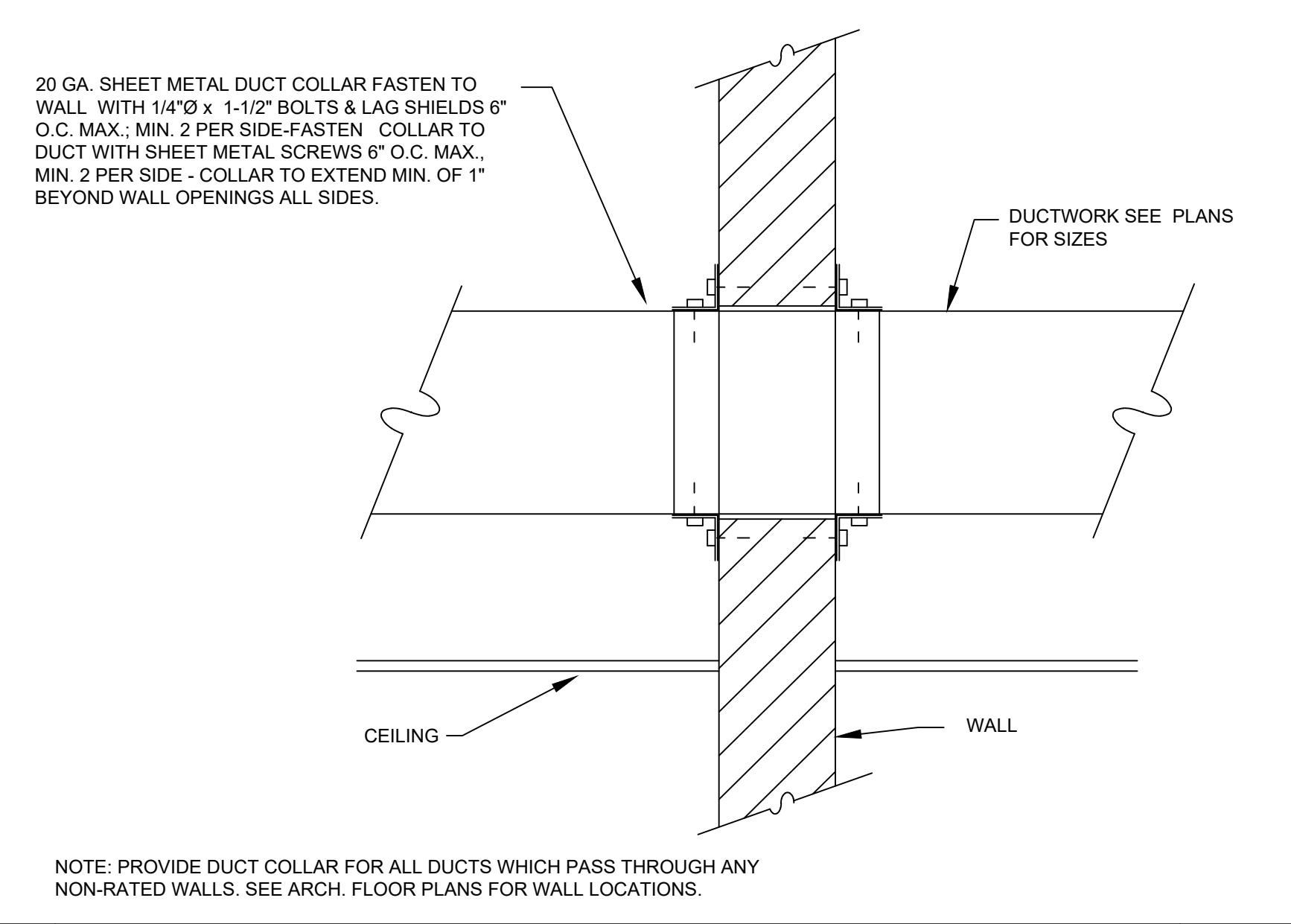
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND OTHER TRADES.
- ELECTRICAL CONTRACTOR PROVIDES DISCONNECT SWITCH IF NEEDED FOR OWNER FURNISHED EQUIPMENT.

KEYNOTES:

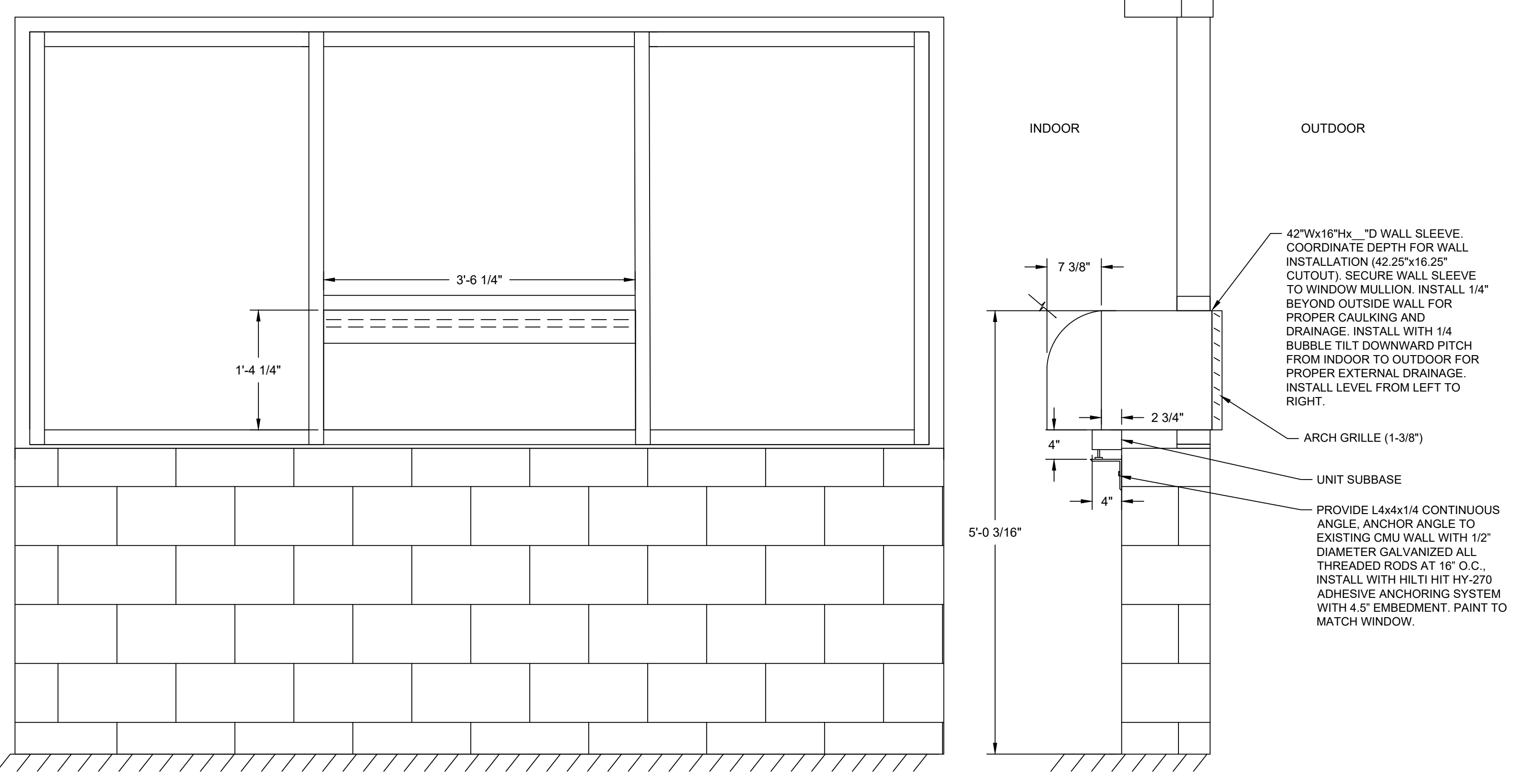
- EQUIPMENT BY MECHANICAL CONTRACTOR.
- CONDUIT & WIRING BY ELECTRICAL CONTRACTOR.
- IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC IT SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. DISCONNECT SWITCH AND STARTER PROVIDED BY ELECTRICAL CONTRACTOR. LOCATE DISCONNECT SWITCH ADJACENT TO STARTER.
- FEEDEE CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD SCHEDULE FOR BREAKER SIZES AND BRANCH OR FEEDER SCHEDULES FOR WIRE/CONDUIT SIZES.
- EQUIPMENT PROVIDED WITH INTEGRAL DISCONNECTING MEANS BY MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SUPPLYING THE EQUIPMENT SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.



4 MECHANICAL TO ELECTRICAL EQUIPMENT SCALE: NTS ME002-02



8 DUCT SLEEVE WITH COLLAR SCALE: NTS M587-11



5 PTAC FRONTAL AND SIDE VIEW TYPICAL INSTALLATION SCALE: NTS

Dewberry
Dewberry Engineers Inc.
2610 Wyckoff Road
Suite 410
Raleigh, NC 27607-3073
919.851.9939
NC License No. F-0929

CAMPBELL UNIVERSITY

CAMPBELL UNIVERSITY
POWELL HALL
HVAC AND PLUMBING RENOVATION
84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS

SEAL

Professional Engineer Seal for Matthew J. Campbell, License No. 057983, State of North Carolina.

6/16/2026

KEY PLAN

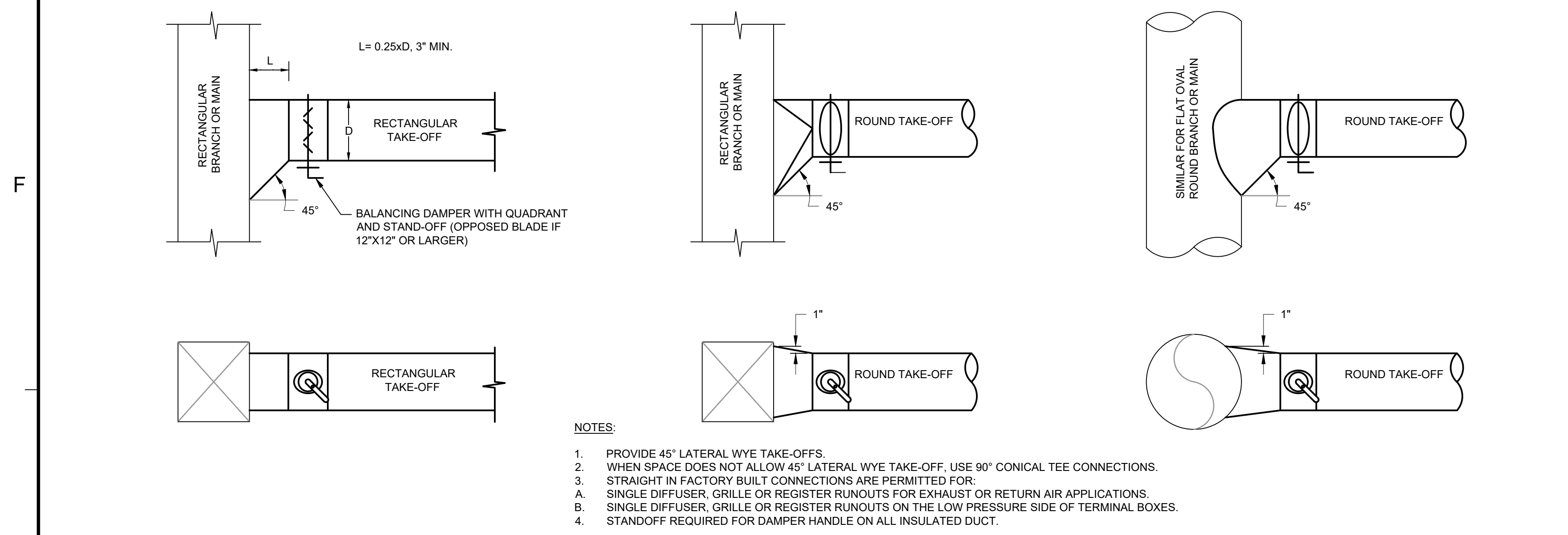
SCALE

REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-----------------|---------|
| 1 | DOAS RELOCATION | 6/11/26 |

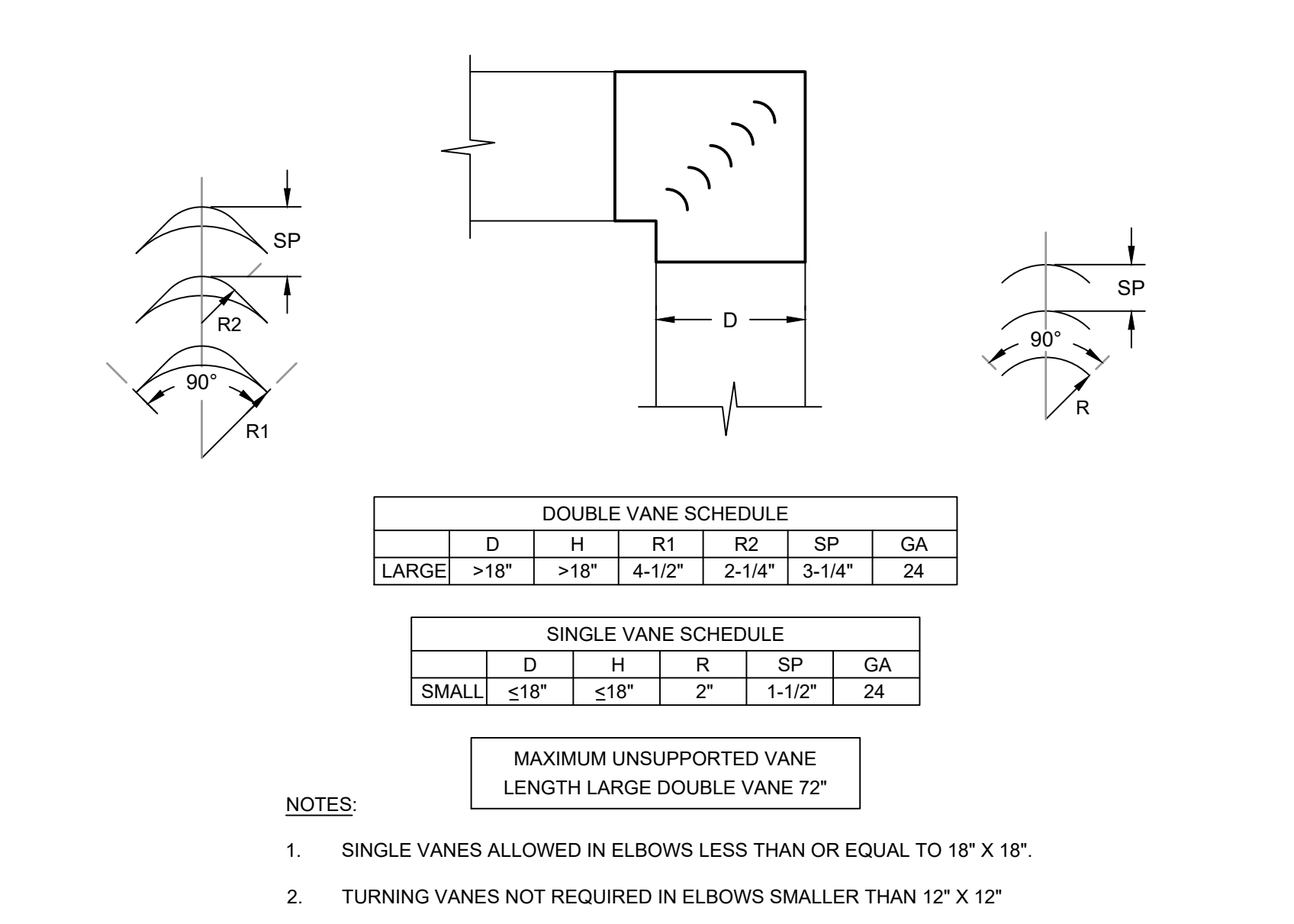
DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026
TITLE: DETAILS

PROJECT NO. 50193045
M-501
SHEET NO.



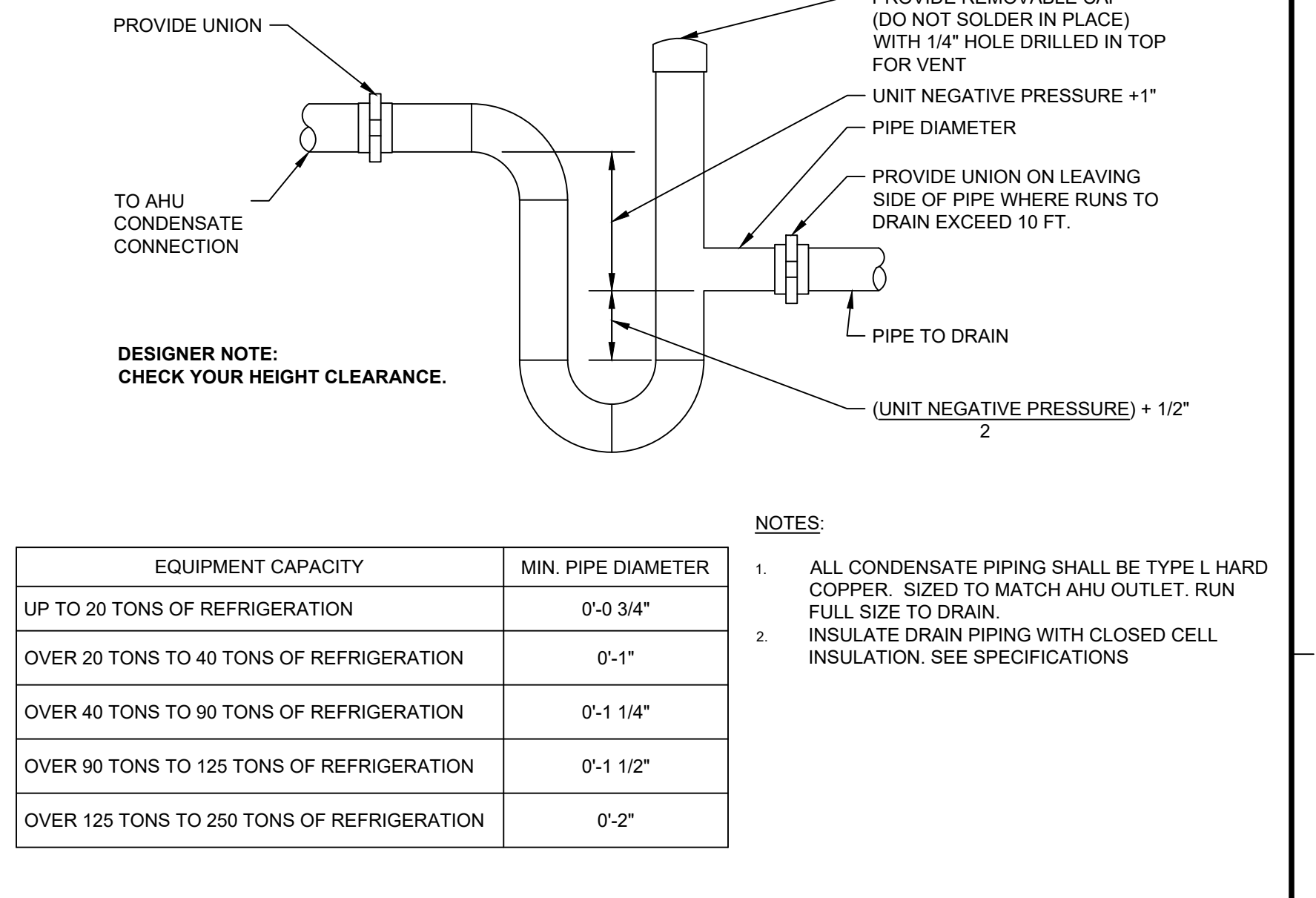
- NOTES:**
1. PROVIDE 45° LATERAL WYE TAKE-OFFS.
 2. WHEN SPACE DOES NOT ALLOW 45° LATERAL WYE TAKE-OFF, USE 90° CONICAL TEE CONNECTIONS.
 3. STRAIGHT IN FACTORY BUILT CONNECTIONS ARE PERMITTED FOR:
 - A. SINGLE DIFFUSER, GRILLE OR REGISTER RUNOUTS FOR EXHAUST OR RETURN AIR APPLICATIONS.
 - B. SINGLE DIFFUSER, GRILLE OR REGISTER RUNOUTS ON THE LOW PRESSURE SIDE OF TERMINAL BOXES.
 4. STANDOFF REQUIRED FOR DAMPER HANDLE ON ALL INSULATED DUCT.

SCALE: NTS
233113-005



- NOTES:**
1. SINGLE VANES ALLOWED IN ELBOWS LESS THAN OR EQUAL TO 18" X 18".
 2. TURNING VANES NOT REQUIRED IN ELBOWS SMALLER THAN 12" X 12"

SCALE: NTS
233113-007



| EQUIPMENT CAPACITY | MIN. PIPE DIAMETER |
|--|--------------------|
| UP TO 20 TONS OF REFRIGERATION | 0'-0 3/4" |
| OVER 20 TONS TO 40 TONS OF REFRIGERATION | 0'-1" |
| OVER 40 TONS TO 90 TONS OF REFRIGERATION | 0'-1 1/4" |
| OVER 90 TONS TO 125 TONS OF REFRIGERATION | 0'-1 1/2" |
| OVER 125 TONS TO 250 TONS OF REFRIGERATION | 0'-2" |

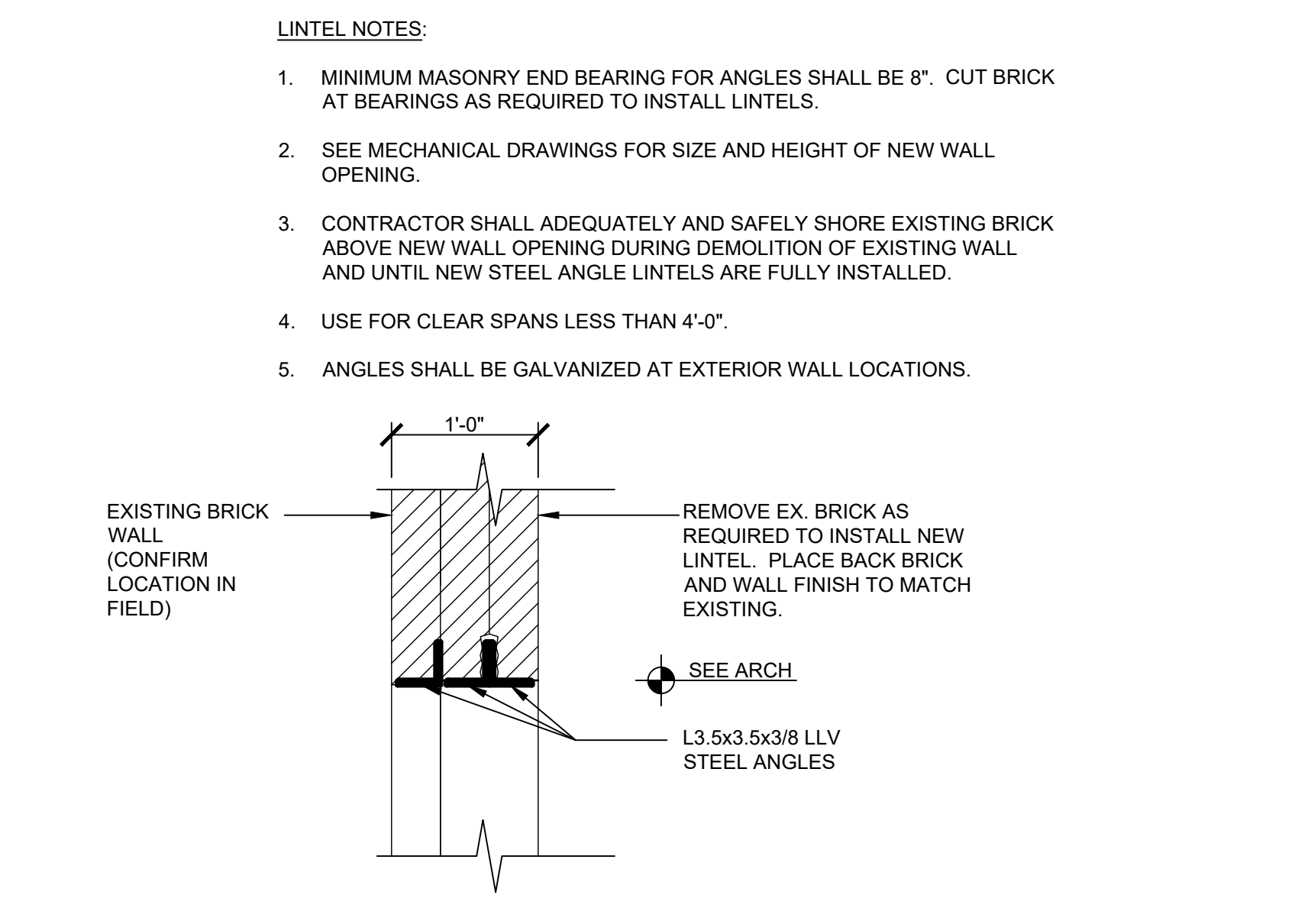
- NOTES:**
1. ALL CONDENSATE PIPING SHALL BE TYPE L HARD COPPER. SIZED TO MATCH AHU OUTLET. RUN FULL SIZE TO DRAIN.
 2. INSULATE DRAIN PIPING WITH CLOSED CELL INSULATION. SEE SPECIFICATIONS

SCALE: NTS
237300-001

1 DUCT 45° LATERAL TAKE-OFF

2 DUCT MITERED 90° ELBOW

3 AHU DRAIN TRAP - DRAW THROUGH

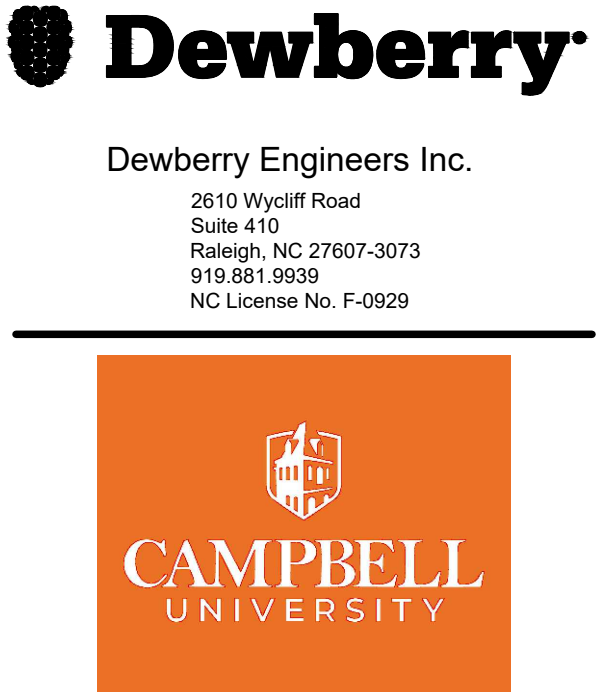


4 BRICK LINTELS

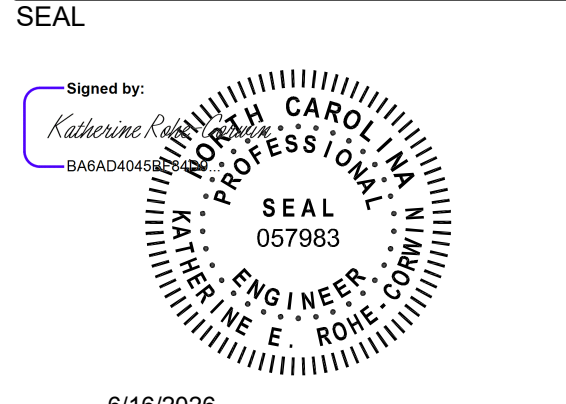
5 BRICK LINTELS

SCALE: NTS
237300-001

SCALE: NTS
237300-001



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84 DAY DORM ROAD
BUJES CREEK, NC 27506
CONSTRUCTION DOCUMENTS



6/16/2026
KEY PLAN

SCALE

REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
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DRAWN BY: CDB
APPROVED BY: KRC
CHECKED BY: WH
DATE: 05/20/2026
TITLE: DETAILS

PROJECT NO. 50193045

M-502
SHEET NO.

DEDICATED OUTDOOR AIR UNIT SCHEDULE

| MARK | MANUFACTURER / MODEL | SUPPLY AIR FAN | | | SINGLE FAN | | | DEHUMIDIFICATION | | | COOLING CAPACITY | | | HEATING CAPACITY | | | REHEAT CAPACITY | | | ELECTRICAL | | | MAX SOUND LEVEL (dBA) | DIMENSIONS AND WEIGHT | | | NOTES | | | | |
|--------|--|----------------|------------|----------------|---------------|-------------|-----------------------|--------------------|------------------------------|---------------|------------------|----------------------|-------------------------|------------------|-----------------|---------|-----------------|-------------------------------------|-----|-------------|----------|---------|-----------------------|-----------------------|------------------------|---------|-------|---------|---------------|---------------------|-----------------|
| | | TYPE | DRIVE TYPE | CAPACITY (CFM) | CONNECT (CFM) | ESP (IN WG) | MAX. BRAKE MOTOR (HP) | NOMINAL MOTOR (HP) | MOIS. REM. CAPACITY (LBS/HR) | EAT (Fdb/Fwb) | LAT (Fdb/Fwb) | TOTAL CAPACITY (MBH) | SENSIBLE CAPACITY (MBH) | IEER (BTU/HW) | NUMBER OF COMP. | EAT (F) | LAT (F) | AIR SOURCE HEAT PUMP CAPACITY (MBH) | COP | DESIGN (KW) | MAX (KW) | EAT (F) | | LAT (F) | HOT GAS CAPACITY (MBH) | MCA (A) | | MOC (A) | VOLTAGE/PHASE | FOOTPRINT (IN x IN) | HEIGHT (IN) |
| DOAS-1 | CAPTIVEAIR / CAS-HVAC3-E-382-1801ST-DOAS | PLENUM | DIRECT | 2,000 | 1,820 | 1.00 | 1.6 | 2.0 | 104.5 | 88.5 / 79.9 | 50.3 / 50.3 | 201.5 | 83.1 | 18.8 | 1 | 40.0 | 80.0 | 86.8 | 3.5 | 36.0 | 38.0 | 50.3 | 70.0 | 42.7 | 115.2 | 125 | 208/3 | 90 X 99 | 69 | 2,484 | 1,2,3,4,5,6,7,8 |

- NOTES:
- REFER TO SECTION 237433 FOR ADDITIONAL REQUIREMENTS. REFER TO UNIT DETAILS AND DIAGRAMS FOR COMPLETE CONFIGURATION AND DIMENSIONAL DETAILS.
 - MAX. COOLING COIL FACE VELOCITY = 500 FPM.
 - PROVIDE SINGLE-POINT ELECTRICAL CONNECTION AND FUSED-DISCONNECT.
 - PROVIDE SCR CONTROLLER FOR ELECTRIC HEATING COILS.
 - PROVIDE LOW AMBIENT COOLING OPERATION DOWN TO -20 DEG F. OUTFIT WITH HIGH OUTPUT CONDENSING FANS AND LOW AMBIENT REFRIGERANT CIRCUIT.
 - PROVIDE HAIL GUARD FOR CONDENSING COIL.
 - PROVIDE CONCRETE PAD THAT IS 6-INCHES LONGER AND WIDER THAN UNIT FOOTPRINT AND 6-INCHES DEEP WITH 4-INCHES DEEP CRUSHED STONE BASE.
 - PROVIDE MODULATING INVERTER COMPRESSOR CIRCUIT FOR MAINTAINING DEWPOINT CONTROL OF 50°F WITH HOT GAS REHEAT TO MAINTAIN 65°F.

FAN COIL UNIT SCHEDULE

| MARK | TYPE | MANUFACTURER / MODEL | SUPPLY AIR FAN | | | COOLING COIL | | | REHEAT COIL | | | ELECTRIC | | | FILTRATION | | DIMENSIONS AND WEIGHT | | | NOTES | | | | | | |
|-------|-----------------|----------------------|----------------|-----------------------|-------------|--------------------|---------------|----------------|---------------|---------------|------------------|-----------------|-----------------|------------------|------------|---------|-----------------------|----------------|-------------|-------|------------------|------------------|-------------|---------------------|-------------|-----------------|
| | | | AIR FLOW (CFM) | FAN SPEED (HI/MED/LO) | ESP (IN WG) | NOMINAL MOTOR (HP) | VOLTAGE/PHASE | AIR FLOW (CFM) | EAT (Fdb/Fwb) | LAT (Fdb/Fwb) | MAX. APD (IN WG) | COND. UNIT MARK | TOT. CAP. (MBH) | SENS. CAP. (MBH) | EAT (F) | LAT (F) | MAX. APD (IN WG) | MIN. CAP. (KW) | DESIGN (KW) | | VOLTAGE/PHASE | TYPE & THICKNESS | EFF. (MERV) | FOOTPRINT (IN x IN) | HEIGHT (IN) | WEIGHT (LBS) |
| AHU-1 | VERT. CONCEALED | LG / KSSLB301A | 875 | HIGH | 0.80 | 3.4 (AMPS) | 208/1 | 0 | 78.0 / 65.0 | 56.0 / 55.0 | 0.10 | CU-1 | 32.5 | 22.8 | 56 | 65 | 0.10 | 2.5 | 3.0 | 208/1 | 1" PLEATED PANEL | 5 | 21 X 21 | 56 | 139 | 1,2,3,4,5,6,7,8 |
| AHU-2 | VERT. CONCEALED | LG / KSSLB301A | 875 | HIGH | 0.60 | 3.4 (AMPS) | 208/1 | 0 | 78.0 / 65.0 | 56.0 / 55.0 | 0.10 | CU-1 | 32.5 | 22.8 | 56 | 65 | 0.10 | 2.5 | 3.0 | 208/1 | 1" PLEATED PANEL | 5 | 21 X 21 | 56 | 139 | 1,2,3,4,5,6,7,8 |
| AHU-3 | VERT. CONCEALED | LG / KSSLB301A | 875 | HIGH | 0.60 | 3.4 (AMPS) | 208/1 | 0 | 78.0 / 65.0 | 56.0 / 55.0 | 0.10 | CU-1 | 32.5 | 22.8 | 56 | 65 | 0.10 | 2.5 | 3.0 | 208/1 | 1" PLEATED PANEL | 5 | 21 X 21 | 56 | 139 | 1,2,3,4,5,6,7,8 |

- NOTES:
- REFER TO SECTION 238219 FOR ADDITIONAL REQUIREMENTS.
 - MAX. COOLING COIL FACE VELOCITY = 500 FPM.
 - PROVIDE MOTOR-RATED DISCONNECT SWITCH.
 - PROVIDE COMBINATION MOTOR-STARTER AND DISCONNECT SWITCH.
 - PROVIDE AUXILIARY HEATER KIT PRARH1.
 - PROVIDE WIRED THERMOSTAT. REMOTE THERMOSTAT NOT ACCEPTABLE.
 - REFER TO CONDENSING UNIT SCHEDULE FOR ASSOCIATED DX COIL CONDENSING UNIT.

CONDENSING UNIT SCHEDULE

| MARK | SERVICE | TYPE | MANUFACTURER / MODEL | COOLING | | HEAT PUMP | | NUMBER OF COMP. | MAX SOUND (dBA) | ELECTRICAL | | | DIMENSIONS AND WEIGHT | | NOTES | | |
|------|---------|-----------|----------------------|-----------------|---------------------|-----------|----------------|-----------------|-----------------|------------|----------|---------|-----------------------|---------------|---------|---------------------|---------------|
| | | | | TOT. CAP. (MBH) | SEER2/EER2 (BTU/HW) | AMB. (F) | CAPACITY (MBH) | | | HSPF2 | AMB. (F) | MCA (A) | MOC (A) | VOLTAGE/PHASE | | FOOTPRINT (IN x IN) | HEIGHT (IN) |
| HP-1 | AHU-1 | HEAT PUMP | LG / KUSB301A | 32.5 | 17.0 / 11.7 | 95 | 36.6 | 9.6 | 47 | 1 | 50 | 19.1 | 30 | 208/1 | 38 x 12 | 33 | 1,2,3,4,5,6,7 |
| HP-2 | AHU-2 | HEAT PUMP | LG / KUSB301A | 32.5 | 17.0 / 11.7 | 95 | 36.6 | 9.6 | 47 | 1 | 50 | 19.1 | 30 | 208/1 | 38 x 12 | 33 | 1,2,3,4,5,6,7 |
| HP-3 | AHU-3 | HEAT PUMP | LG / KUSB301A | 32.5 | 17.0 / 11.7 | 95 | 36.6 | 9.6 | 47 | 1 | 50 | 19.1 | 30 | 208/1 | 38 x 12 | 33 | 1,2,3,4,5,6,7 |

- NOTES:
- REFER TO SECTION 238223 FOR ADDITIONAL REQUIREMENTS.
 - SOUND PERFORMANCE IS BASED ON SOUND PRESSURE LEVELS MEASURED AT 3 FEET FROM UNIT AT FULL CAPACITY IN ACCORDANCE WITH AHRI 270.
 - ALL UNITS SHALL MEET OR EXCEED SEASONAL ENERGY EFFICIENCY RATIO (SEER) FOR NOMINAL COOLING SIZES LESS THAN 65,000 BTUH.
 - HEAT PUMPS SHALL MEET OR EXCEED HEATING SEASONAL PERFORMANCE FACTOR (HSPF) FOR NOMINAL COOLING SIZES LESS THAN 65,000 BTUH.
 - SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE FUSED-DISCONNECT SWITCH.
 - PROVIDE LOW AMBIENT TEMPERATURE OPTION.

FIRST FLOOR PACKAGE TERMINAL HEAT PUMP SCHEDULE

| MARK | MANUFACTURER / MODEL | REFRIG. TYPE | SUPPLY AIR FAN | | | COOLING COIL | | | HEATING COIL | | | ELECTRIC | | | DIMENSIONS AND WEIGHT | | | NOTES |
|-----------|-------------------------|--------------|----------------------|----------------|-----------------------|--------------------|---------------|-----------------|------------------|--------------|-----------------|-----------|-----------|---------------|-----------------------|-------------|--------------|-------------|
| | | | REFRIG. CHARGE (LBS) | AIR FLOW (CFM) | FAN SPEED (HI/MED/LO) | NOMINAL MOTOR (HP) | VOLTAGE/PHASE | TOT. CAP. (MBH) | SENS. CAP. (MBH) | EER (BTU/HW) | TOT. CAP. (MBH) | COP (W/W) | CAP. (KW) | VOLTAGE/PHASE | FOOTPRINT (IN x IN) | HEIGHT (IN) | WEIGHT (LBS) | |
| PTAC-1-01 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-02 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-03 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-04 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-05 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-06 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-07 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-08 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-1-09 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |

- NOTES:
- PROVIDE UNIT BY ONE OF THE FOLLOWING MANUFACTURERS: FRIEDRICH OR AMANA.
 - PROVIDE MANUFACTURER UNIT SUBBASE WITH INTEGRAL MOTOR-RATED DISCONNECT SWITCH.
 - PROVIDE WITH MANUFACTURER WALL SLEEVE. COORDINATE WALL SLEEVE WITH WALL THICKNESS EAST EACH LOCATION. WALL THICKNESS VARIES.
 - PROVIDE WALL-MOUNTED, WIRED, NON-PROGRAMMABLE THERMOSTAT. WIRELESS THERMOSTATS ARE NOT ACCEPTABLE.
 - PROVIDE ARCHITECTURAL EXTERIOR GRILLE. COORDINATE COLOR WITH OWNER.
 - PROVIDE 2 EXTRA FRONT-END AIR FILTERS FOR EACH UNIT. DELIVER TO OWNER PRIOR TO PROJECT CLOSEOUT.

SECOND FLOOR PACKAGE TERMINAL HEAT PUMP SCHEDULE

| MARK | MANUFACTURER / MODEL | REFRIG. TYPE | SUPPLY AIR FAN | | | COOLING COIL | | | HEATING COIL | | | ELECTRIC | | | DIMENSIONS AND WEIGHT | | | NOTES |
|-----------|-------------------------|--------------|----------------------|----------------|-----------------------|--------------------|---------------|-----------------|------------------|--------------|-----------------|-----------|-----------|---------------|-----------------------|-------------|--------------|-------------|
| | | | REFRIG. CHARGE (LBS) | AIR FLOW (CFM) | FAN SPEED (HI/MED/LO) | NOMINAL MOTOR (HP) | VOLTAGE/PHASE | TOT. CAP. (MBH) | SENS. CAP. (MBH) | EER (BTU/HW) | TOT. CAP. (MBH) | COP (W/W) | CAP. (KW) | VOLTAGE/PHASE | FOOTPRINT (IN x IN) | HEIGHT (IN) | WEIGHT (LBS) | |
| PTAC-2-01 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-02 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-03 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-04 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-05 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-06 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-07 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-08 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-09 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-10 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-2-11 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |

- NOTES:
- PROVIDE UNIT BY ONE OF THE FOLLOWING MANUFACTURERS: FRIEDRICH OR AMANA.
 - PROVIDE MANUFACTURER UNIT SUBBASE WITH INTEGRAL MOTOR-RATED DISCONNECT SWITCH.
 - PROVIDE WITH MANUFACTURER WALL SLEEVE. COORDINATE WALL SLEEVE WITH WALL THICKNESS EAST EACH LOCATION. WALL THICKNESS VARIES.
 - PROVIDE WALL-MOUNTED, WIRED, NON-PROGRAMMABLE THERMOSTAT. WIRELESS THERMOSTATS ARE NOT ACCEPTABLE.
 - PROVIDE ARCHITECTURAL EXTERIOR GRILLE. COORDINATE COLOR WITH OWNER.
 - PROVIDE 2 EXTRA FRONT-END AIR FILTERS FOR EACH UNIT. DELIVER TO OWNER PRIOR TO PROJECT CLOSEOUT.

GRAVITY ROOF VENTILATOR SCHEDULE

| MARK | TYPE | MANUFACTURER / MODEL | AIR FLOW (CFM) | APD (IN WG) | VENT. SIZE (IN Ø) | THROAT SIZE (IN Ø) | MAX HEIGHT (IN) | DAMPER TYPE | NOTES |
|------|-----------------|----------------------|----------------|-------------|-------------------|--------------------|-----------------|-------------|-------|
| V-1 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |
| V-2 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |
| V-3 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |
| V-4 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |
| V-5 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |
| V-6 | DOME VENTILATOR | GREENHECK / GRSR-08 | 150 | 0.04 | 21 | 8 | 18 | GRAVITY | 1.2 |

- NOTES:
- REFER TO SECTION 233723 FOR ADDITIONAL REQUIREMENTS.
 - PROVIDE FACTORY-FABRICATED ROOF CURB. COORDINATE EXACT LOCATION AND SIZE OF EXISTING ROOF CURBS PRIOR TO ORDERING. MATCH EXISTING CURB SIZE OR PROVIDE CURB ADAPTER.

THIRD FLOOR PACKAGE TERMINAL HEAT PUMP SCHEDULE

| MARK | MANUFACTURER / MODEL | REFRIG. TYPE | SUPPLY AIR FAN | | | COOLING COIL | | | HEATING COIL | | | ELECTRIC | | | DIMENSIONS AND WEIGHT | | | NOTES |
|-----------|-------------------------|--------------|----------------------|----------------|-----------------------|--------------------|---------------|-----------------|------------------|--------------|-----------------|-----------|-----------|---------------|-----------------------|-------------|--------------|-------------|
| | | | REFRIG. CHARGE (LBS) | AIR FLOW (CFM) | FAN SPEED (HI/MED/LO) | NOMINAL MOTOR (HP) | VOLTAGE/PHASE | TOT. CAP. (MBH) | SENS. CAP. (MBH) | EER (BTU/HW) | TOT. CAP. (MBH) | COP (W/W) | CAP. (KW) | VOLTAGE/PHASE | FOOTPRINT (IN x IN) | HEIGHT (IN) | WEIGHT (LBS) | |
| PTAC-3-01 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-02 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-03 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-04 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-05 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-06 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-07 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-08 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-09 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | 3.10 | 5.0 | 208/1 | 16 X 42 | 21 | 120 | 1,2,3,4,5,6 |
| PTAC-3-10 | FRIEDRICH / PDH1K5SSGR3 | R-32 | 1.9 | 340 | HIGH | 0.08 | 208/1 | 14,300 | 10,825 | 10.4 | 1250 | | | | | | | |

