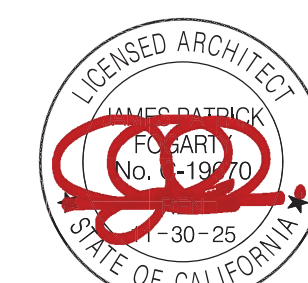




**CAMPUS HVAC  
 SYSTEM UPGRADE  
 &  
 SITE IMPROVEMENTS**

**Mt Vernon  
 Elementary School**  
 2161 Potomac Ave, Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT C-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0015
Date	10.12.23
DSA File No	15-4
DSA No	03-122659

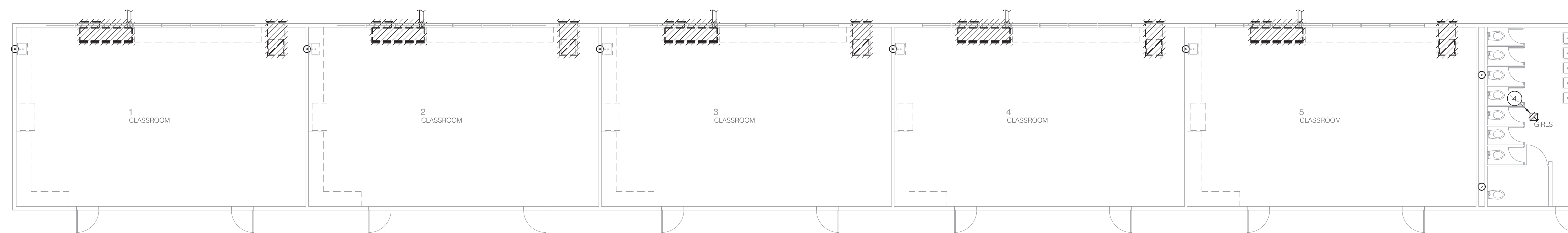
**REVISIONS**

No	Date	Item

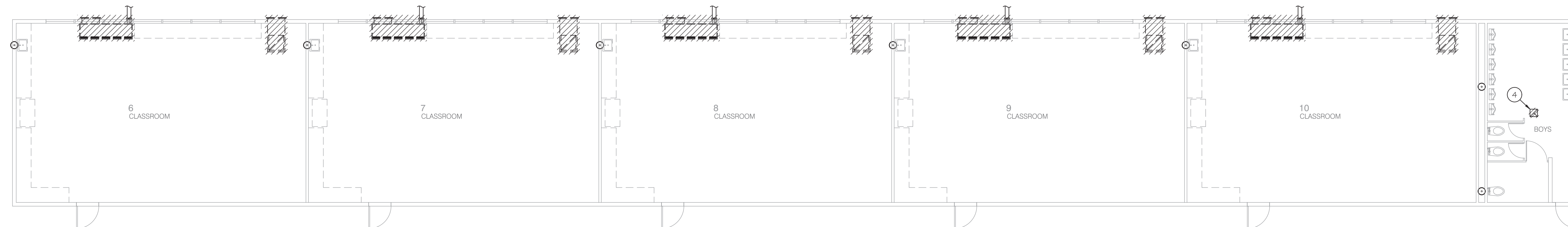
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
 © COPYRIGHT 02.02.24 13:15

MECHANICAL DEMOLITION PLAN

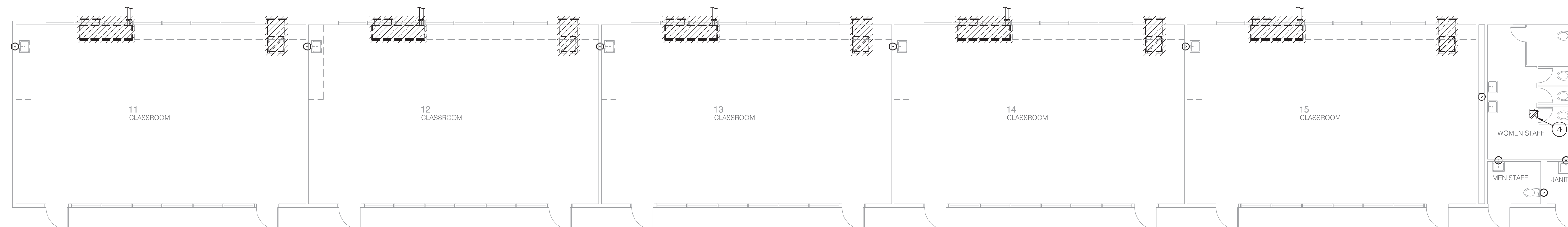
**M2.10**



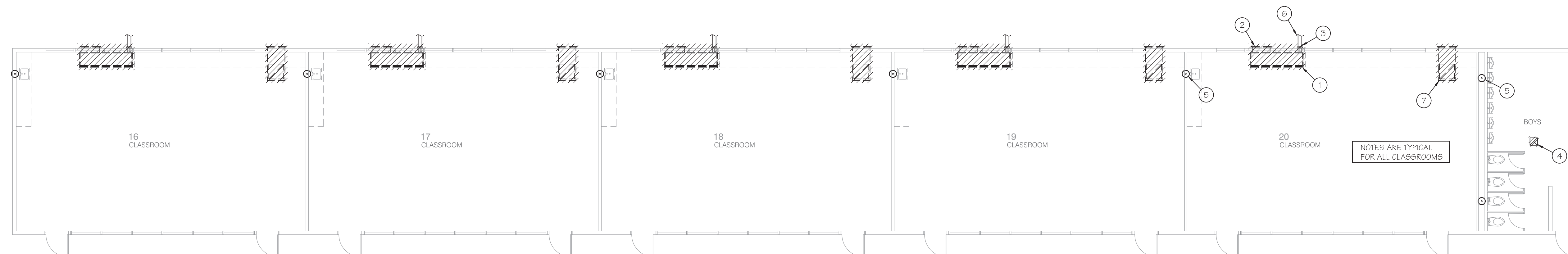
**MECHANICAL DEMO PLAN - BUILDING B**  
 SCALE: 1/8"=1'-0"



**MECHANICAL DEMO PLAN - BUILDING C**  
 SCALE: 1/8"=1'-0"

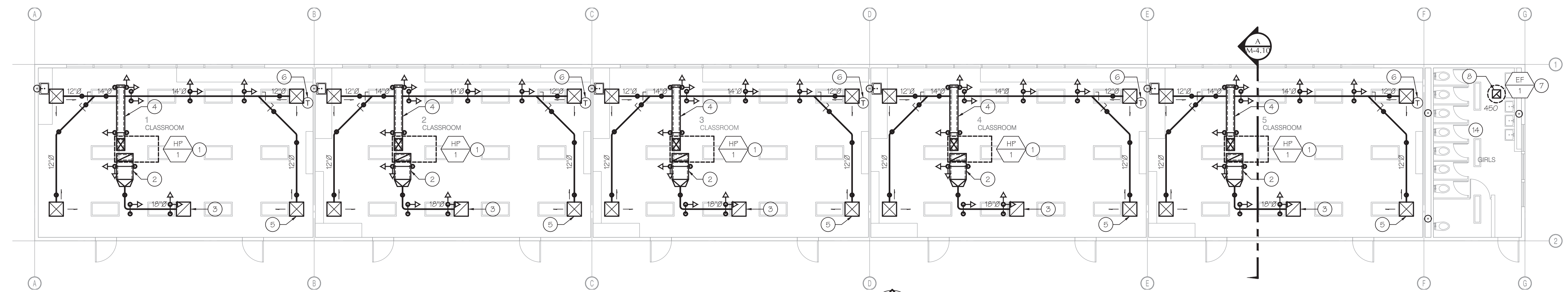


**MECHANICAL DEMO PLAN - BUILDING D**  
 SCALE: 1/8"=1'-0"

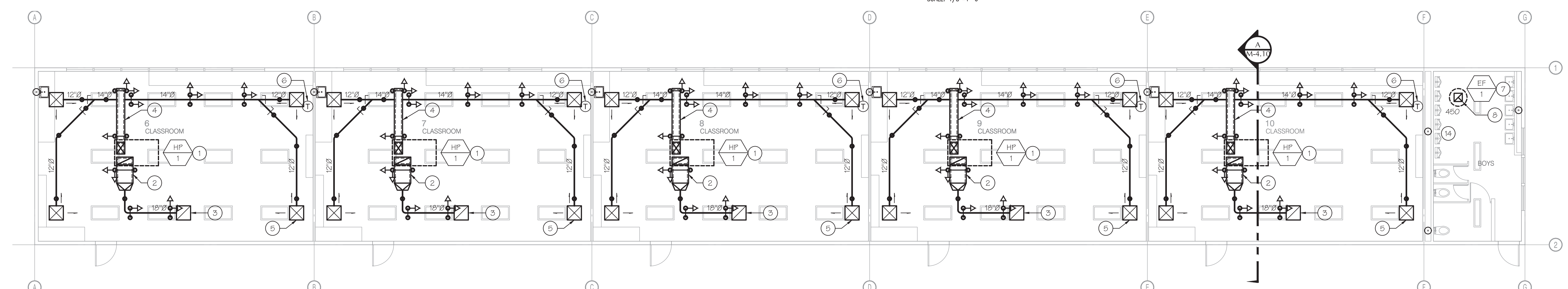


**MECHANICAL DEMO PLAN - BUILDING E**  
 SCALE: 1/8"=1'-0"

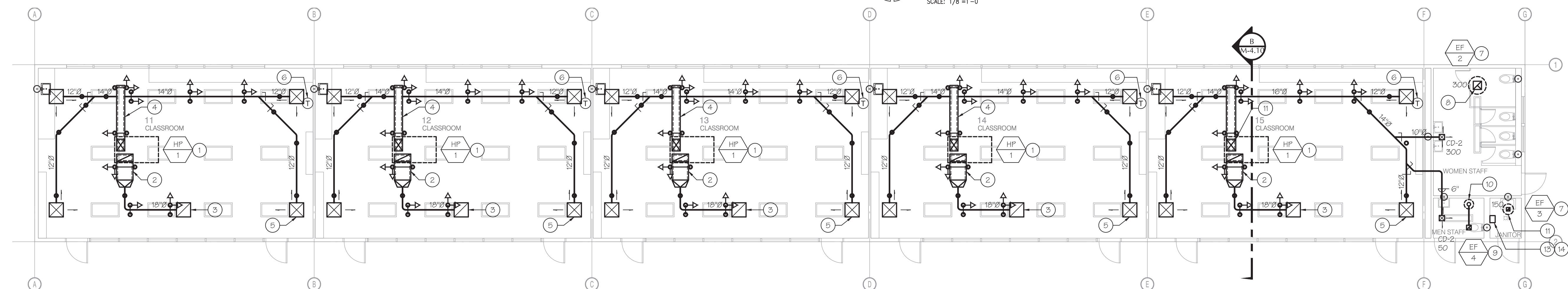
- DEMOLITION KEY NOTES:**
- ① Remove existing unit ventilator, all related mechanical piping, condensate piping, controls, supports, anchorage, etc. Patch existing surfaces to match existing.
  - ② Remove existing outside air louvers. Infill / patch wall to match existing.
  - ③ Remove existing hydronic and condensate piping and exterior chase. Remove piping to 12" below grade. Cap piping and abandon in place. Patch all surfaces to match existing.
  - ④ Remove existing exhaust fan or gravity relief vent, roof curb, ductwork, grille, etc. Patch roof to match existing.
  - ⑤ Existing waste vents, typical. Confirm exact location in field.
  - ⑥ Abandon in place below grade site hydronic piping.
  - ⑦ Remove existing barometric relief assembly. Infill and patch wall to match existing.



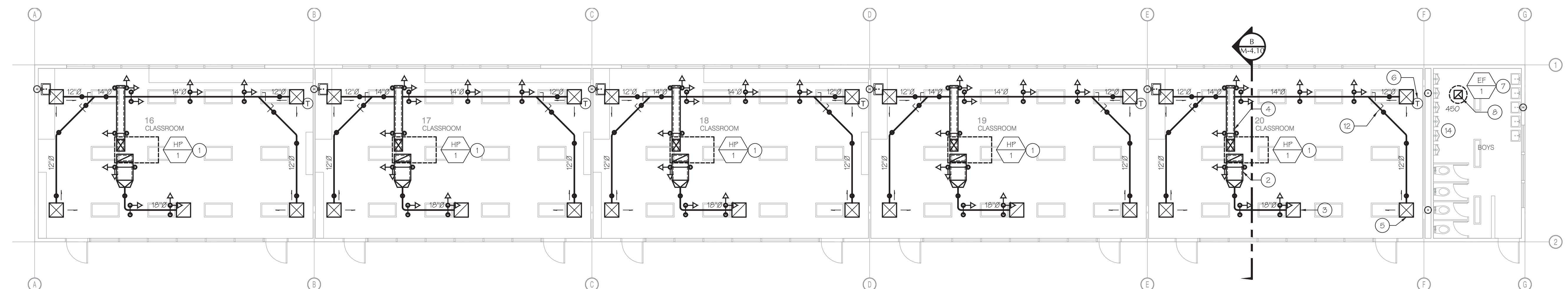
**MECHANICAL FLOOR PLAN - BUILDING B**  
SCALE: 1/8"=1'-0"



**MECHANICAL FLOOR PLAN - BUILDING C**  
SCALE: 1/8"=1'-0"



**MECHANICAL FLOOR PLAN - BUILDING D**  
SCALE: 1/8"=1'-0"



**MECHANICAL FLOOR PLAN - BUILDING E**  
SCALE: 1/8"=1'-0"

**SEISMIC RESTRAINT LEGEND**  
(SEE DETAILS ON SHEET M4.12.)

	TRANSVERSE SEISMIC BRACE LOCATION
	TRANSVERSE AND LONGITUDINAL SEISMIC BRACE LOCATION
	(INDIVIDUALLY HUNG AND TRAPEZE SUPPORTED)

- MECHANICAL FLOOR PLAN KEY NOTES:**
- ROOF MOUNTED HP UNIT. SEE MECHANICAL ROOF PLAN.
  - 20" x 14" RETURN AIR RISER WITH 1" LINER, 20" x 10" NET. PROVIDE MITERED LINED ELBOW AT BOTTOM OF RISER. SEE DETAIL CM4.11, OR-1 TYPICAL.
  - 12" x 18" SUPPLY AIR DROP WITH 1" LINER, 14" x 20" NET. PROVIDE MITERED LINED ELBOW AT BOTTOM OF RISER. SEE DETAIL CM4.11, CD-1 TYPICAL. SEE DETAIL A1M4.11.
  - T-STAT LOCATION TYPICAL. USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION. SEE TYPICAL DETAIL DM4.15.
  - ROOF MOUNTED EXHAUST FAN. SEE MECHANICAL ROOF PLAN.
  - 12" x 12" EXHAUST DUCT DROP WITH CE-1, 14" x 14" EXHAUST GRILLE.
  - 6" ROUND EXHAUST DUCT ROUTED THRU ROOF TO ROOF CAP.
  - 12" x 12" EXHAUST DUCT DROP WITH CE-1, 12" x 12" EXHAUST GRILLE.
  - BRANCH DUCT VOLUME DAMPER, TYPICAL. SEE DETAIL B1M4.11.
  - LOCATE PELICAN WIRELESS GATEWAY AT THIS LOCATION ALONG WITH 120V CONNECTION AND ROUTER CONNECTION. SEE DETAIL EM4.11.
  - PROVIDE WIRELESS RELAY MODULE TO CONTROL EXHAUST FANS IN THIS BUILDING. SEE DETAIL FM4.11.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122659 INC:  
REVIEWED FOR:  
SS  FLS  ACS   
DATE: 02/28/2024



3434 Truxtun Avenue, Suite 240  
Bakersfield, California, 93301  
tel|661.327.1690 fax|661.327.7204  
web|www.aparchitects.net

**CAMPUS HVAC  
SYSTEM UPGRADE  
&  
SITE IMPROVEMENTS**

**Mt Vernon  
Elementary School**  
2161 Pomona Ave, Bakersfield, CA, 93307  
Bakersfield City School District

ARCHITECT



CONSULTANT



**PROJECT INFO**

Project No	566-0015
Date	10.12.23
DSA File No	15-4
DSA No	03-122659

**REVISIONS**

No	Date	Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION. © COPYRIGHT 02.02.24.13.15

MECHANICAL FLOOR PLAN

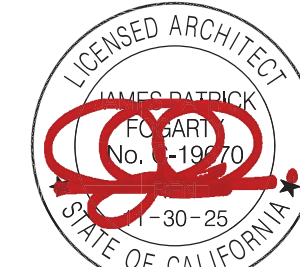
**M2.20**



CAMPUS HVAC  
 SYSTEM UPGRADE  
 &  
 SITE IMPROVEMENTS

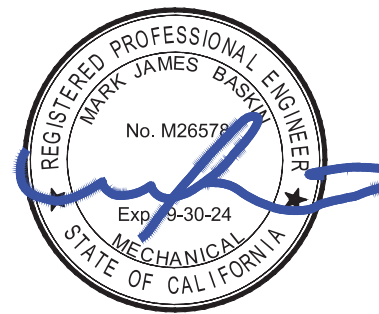
Mt Vernon  
 Elementary School  
 2161 Potomac Ave. Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT G-19670

CONSULTANT



PROJECT INFO

Project No	566-0015
Date	10.12.23
DSA File No	15-6
DSA No	03-122659

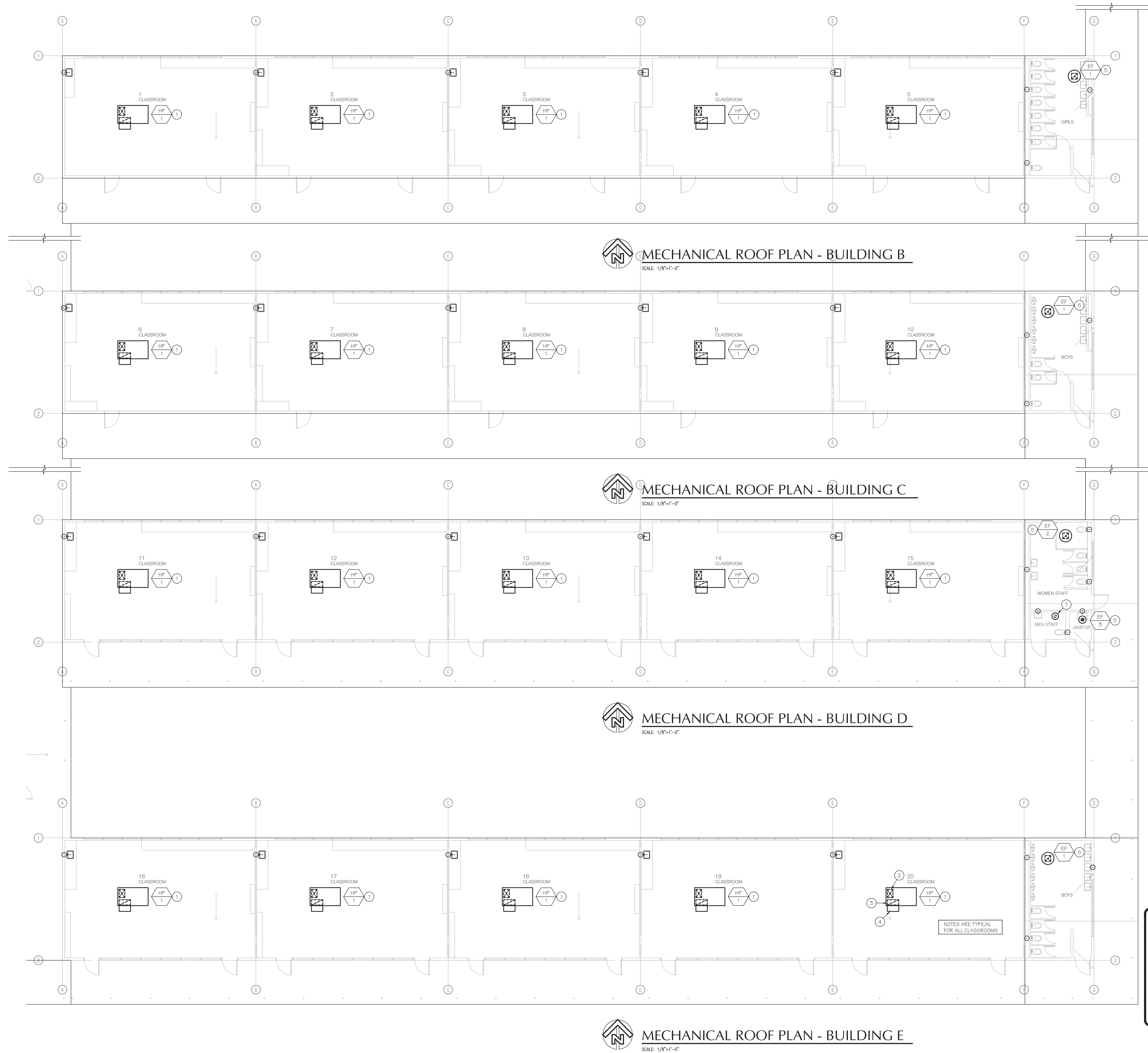
REVISIONS

No	Date	Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINCTION PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINCTION PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
 © COPYRIGHT 02.02.24 13:15

MECHANICAL ROOF PLAN

M3.10



- MECHANICAL ROOF PLAN KEYNOTES:**
- ① NEW HP UNIT ON SLOPED ROOF CURB. SEE DETAIL G/M4.10
  - ② 12" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 14" X 20" NET.
  - ③ 26" X 11" RETURN DUCT THRU ROOF WITH 1" LINER, 28" X 19" NET.
  - ④ ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 150 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 400 CFM.
  - ⑤ NEW ROOF MOUNTED EXHAUST FAN WITH 12" X 12" LINED EXHAUST RISER THRU ROOF, 14" X 14" NET. SEE DETAIL G/M4.11.
  - ⑥ NEW ROOF MOUNTED EXHAUST FAN WITH 12" X 12" EX. RISER THRU ROOF. SEE DETAIL G/M4.11
  - ⑦ NEW ROOF CAP FOR CEILING EXHAUST FAN.

**CAMPUS HVAC  
 SYSTEM UPGRADE  
 &  
 SITE IMPROVEMENTS**

Mt Vernon  
 Elementary School  
 2161 Potomac Ave., Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT C-196670

CONSULTANT



**PROJECT INFO**

Project No	566-0015
Date	10.12.23
DSA File No	15-4
DSA No	03-122659

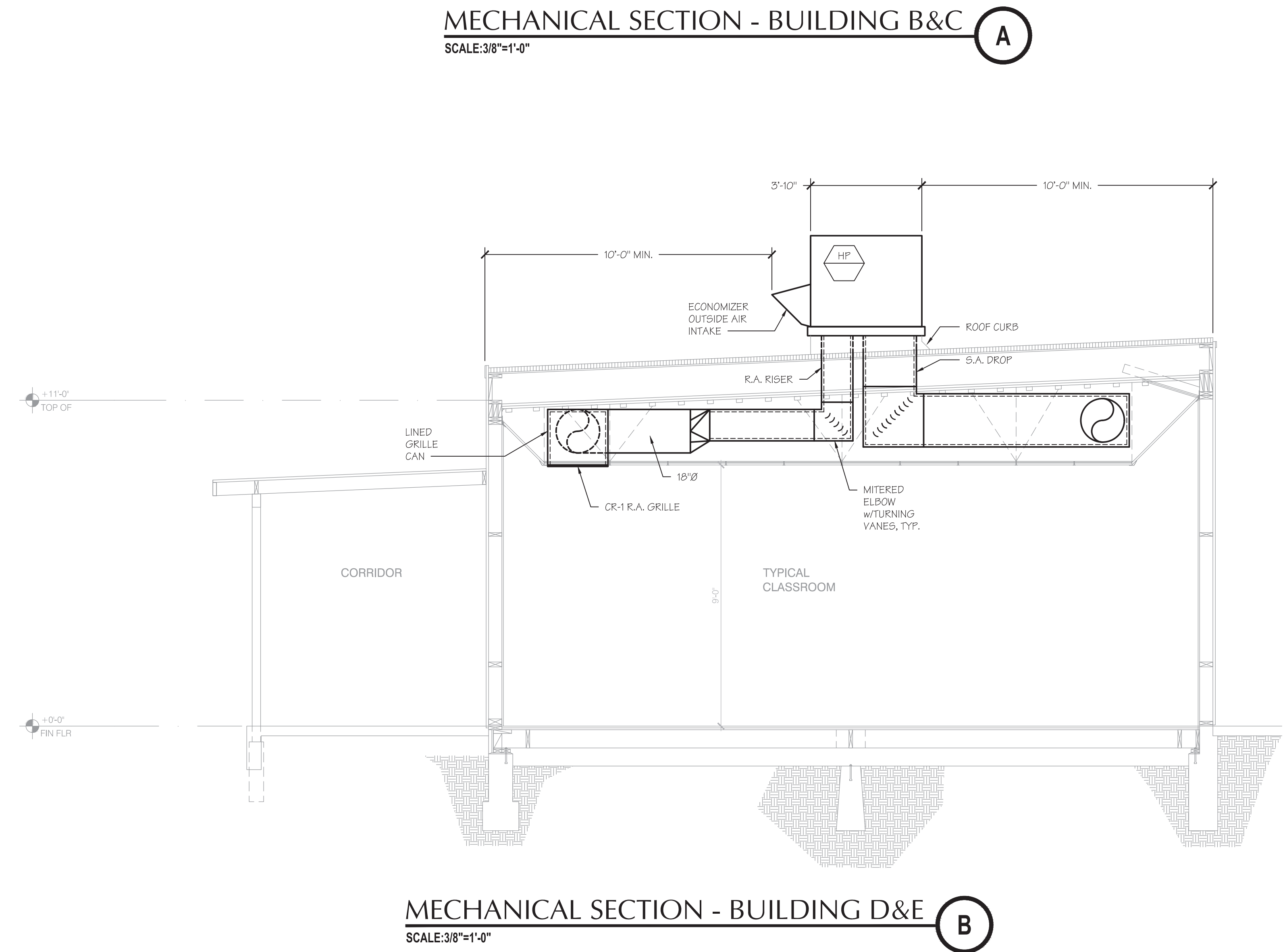
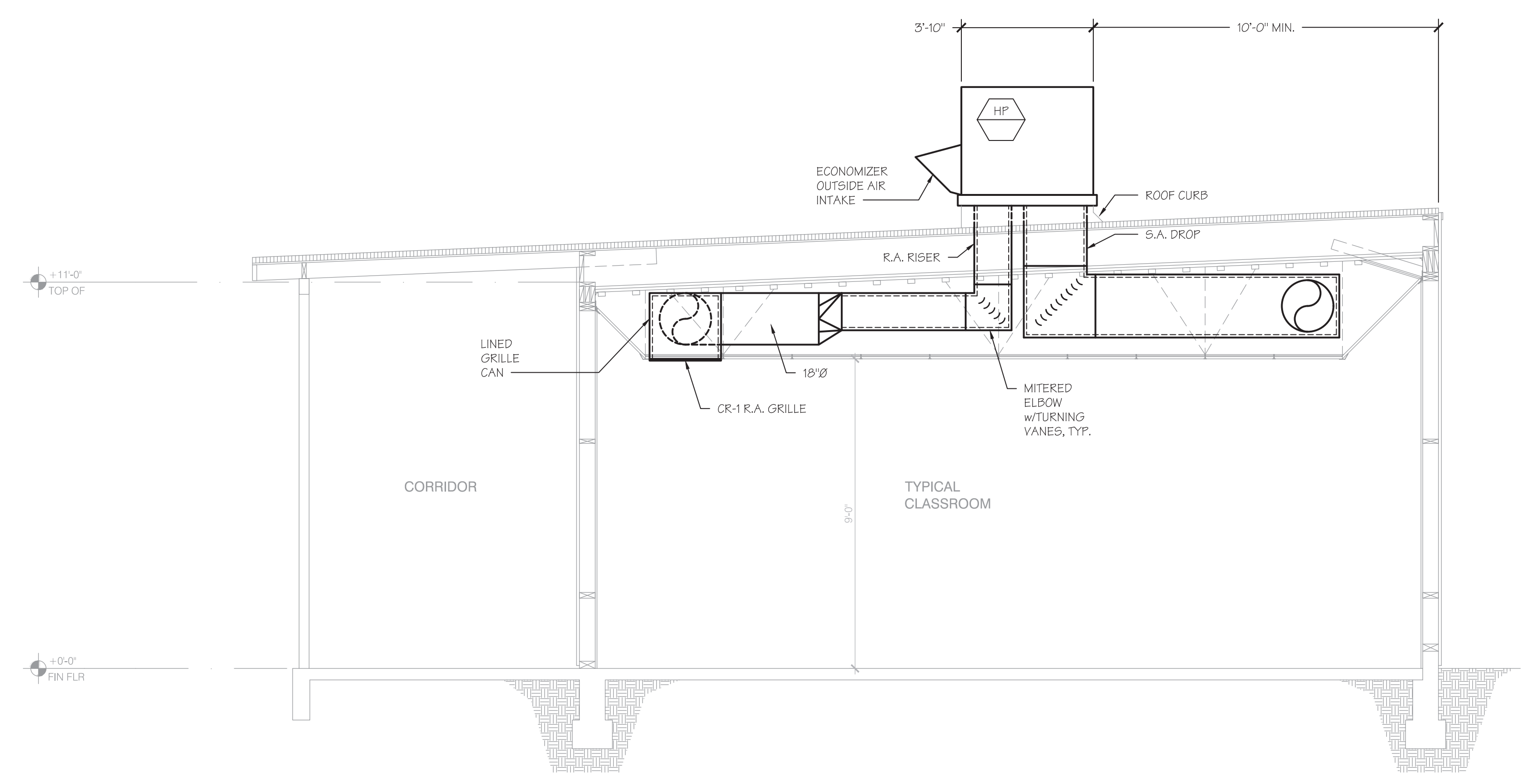
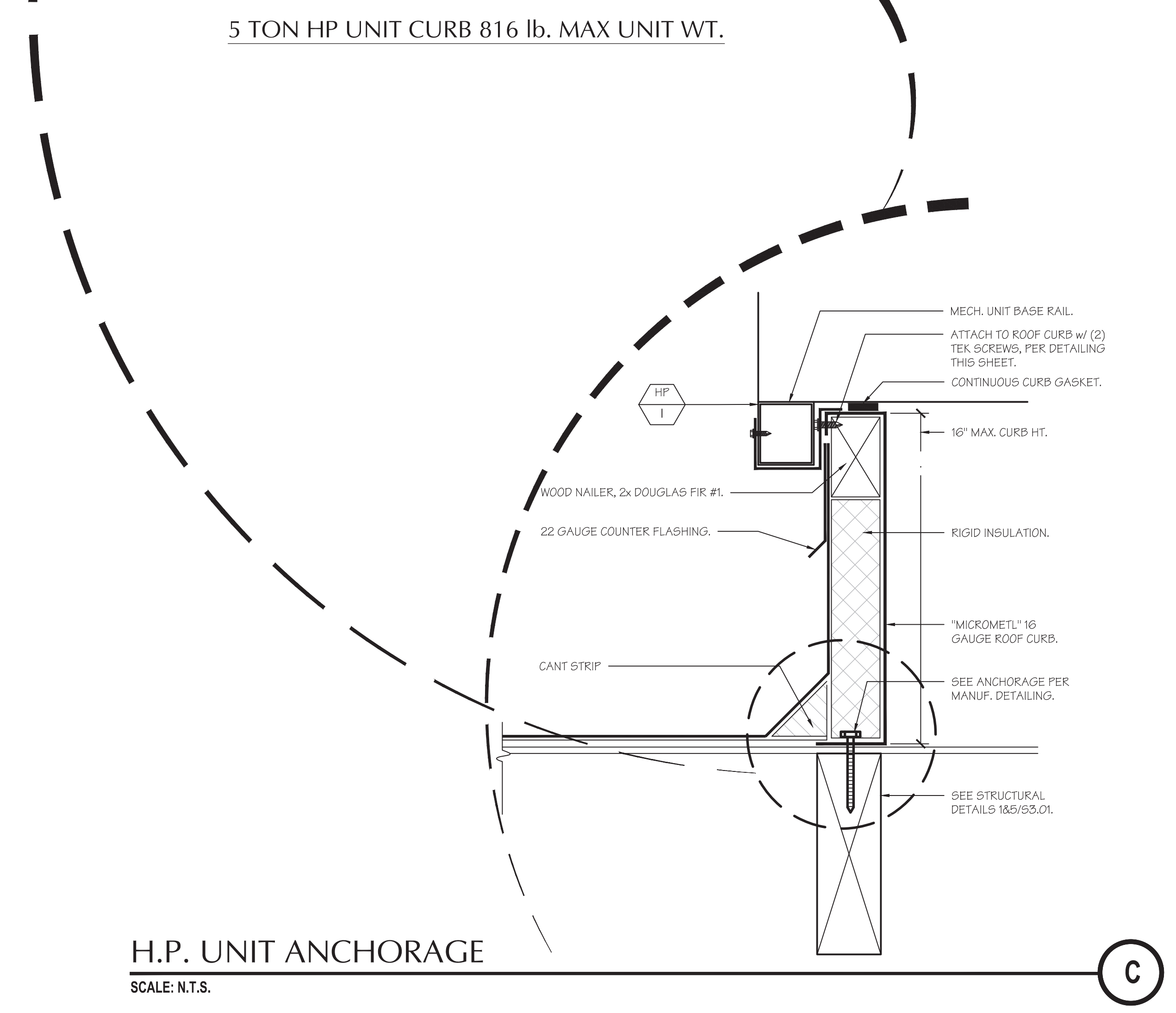
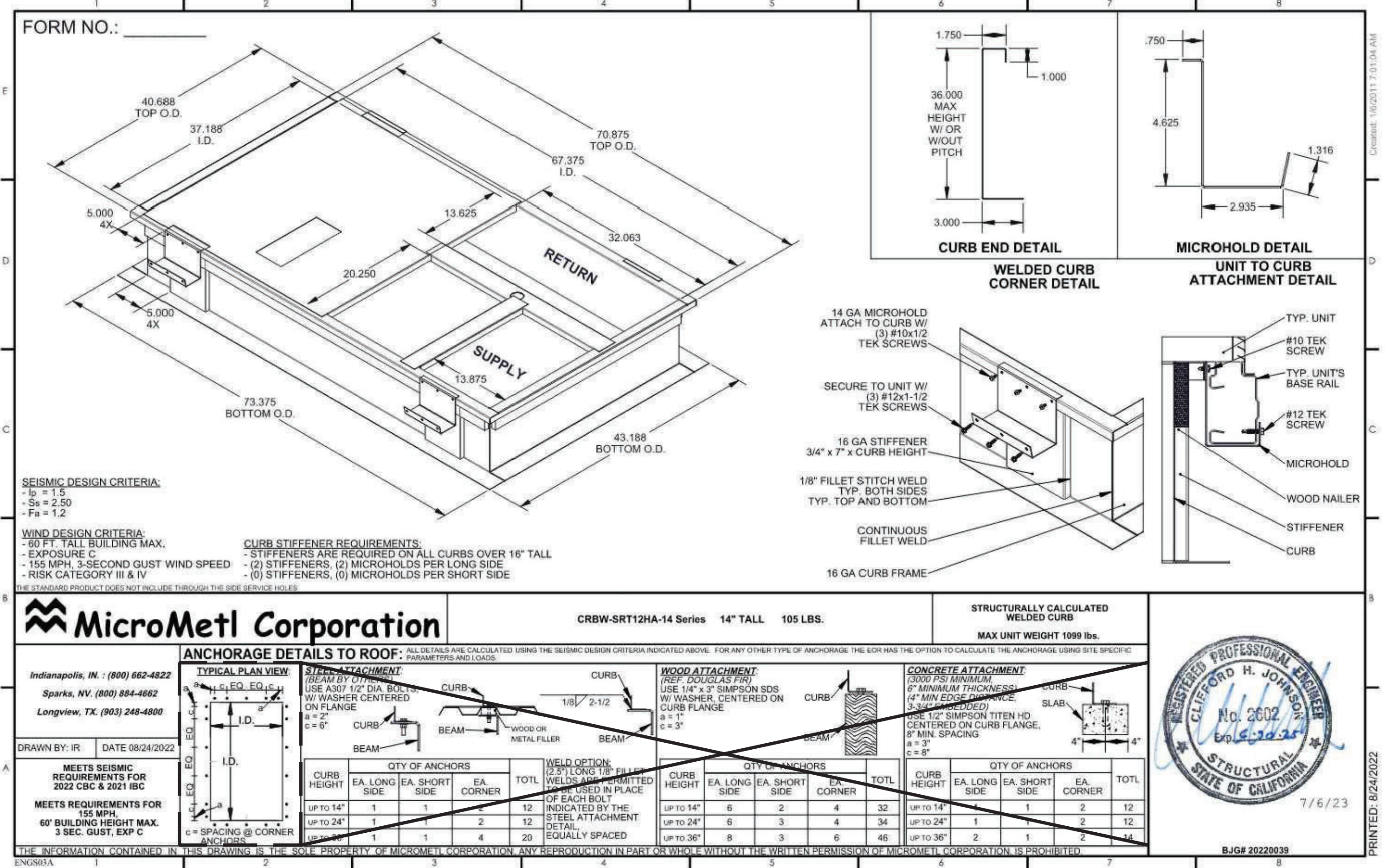
**REVISIONS**

No	Date	Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
 © COPYRIGHT 02.02.24.13.15

MECHANICAL DETAILS

**M4.10**



**CAMPUS HVAC  
SYSTEM UPGRADE  
&  
SITE IMPROVEMENTS**

**Mt Vernon  
Elementary School**  
2161 Pomona Ave. Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
ARCHITECT G-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0015
Date	10.12.23
DSA File No	154
DSA No	03-122659

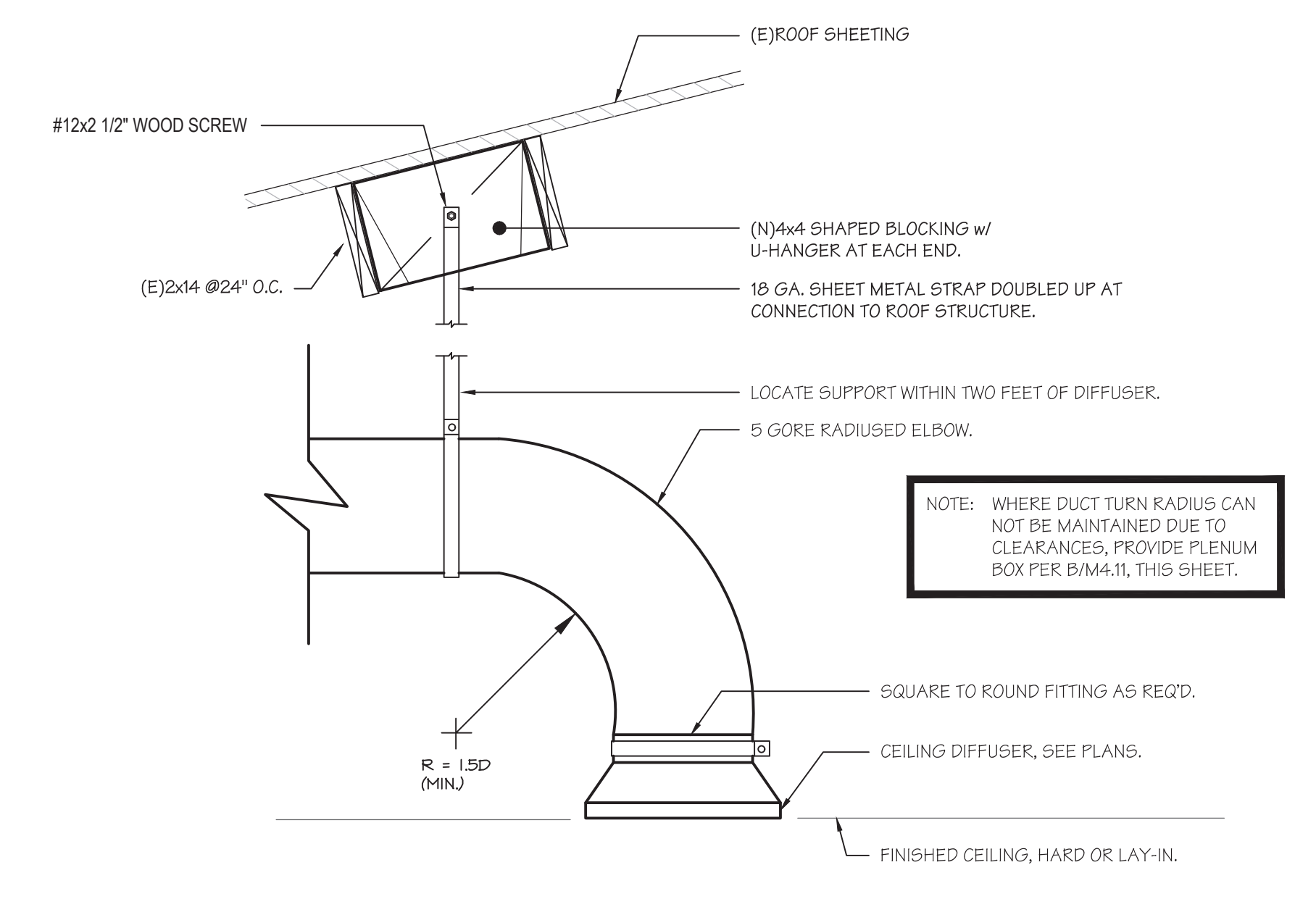
**REVISIONS**

No	Date	Item

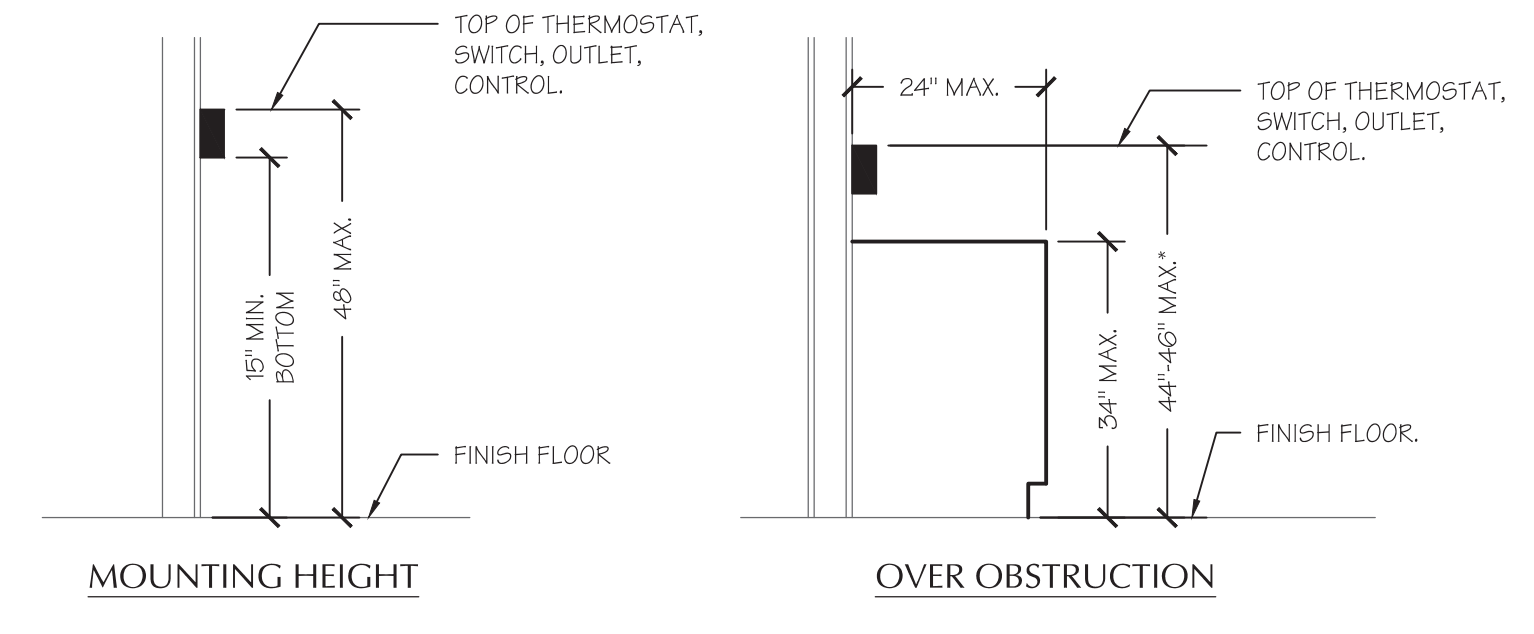
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
© COPYRIGHT 02/28/24 13:15

MECHANICAL DETAILS

**M4.11**

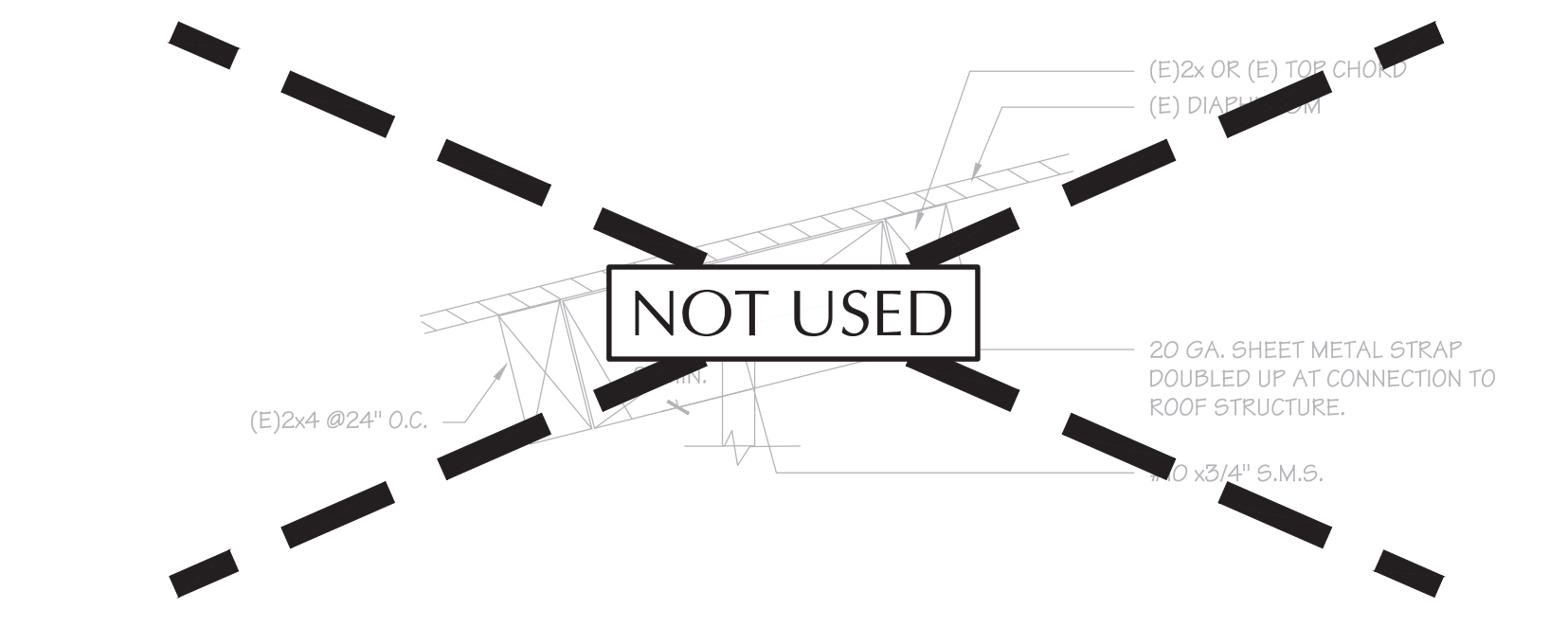


**EXHAUST FAN ANCHORAGE**  
SCALE: N.T.S. **(G)**

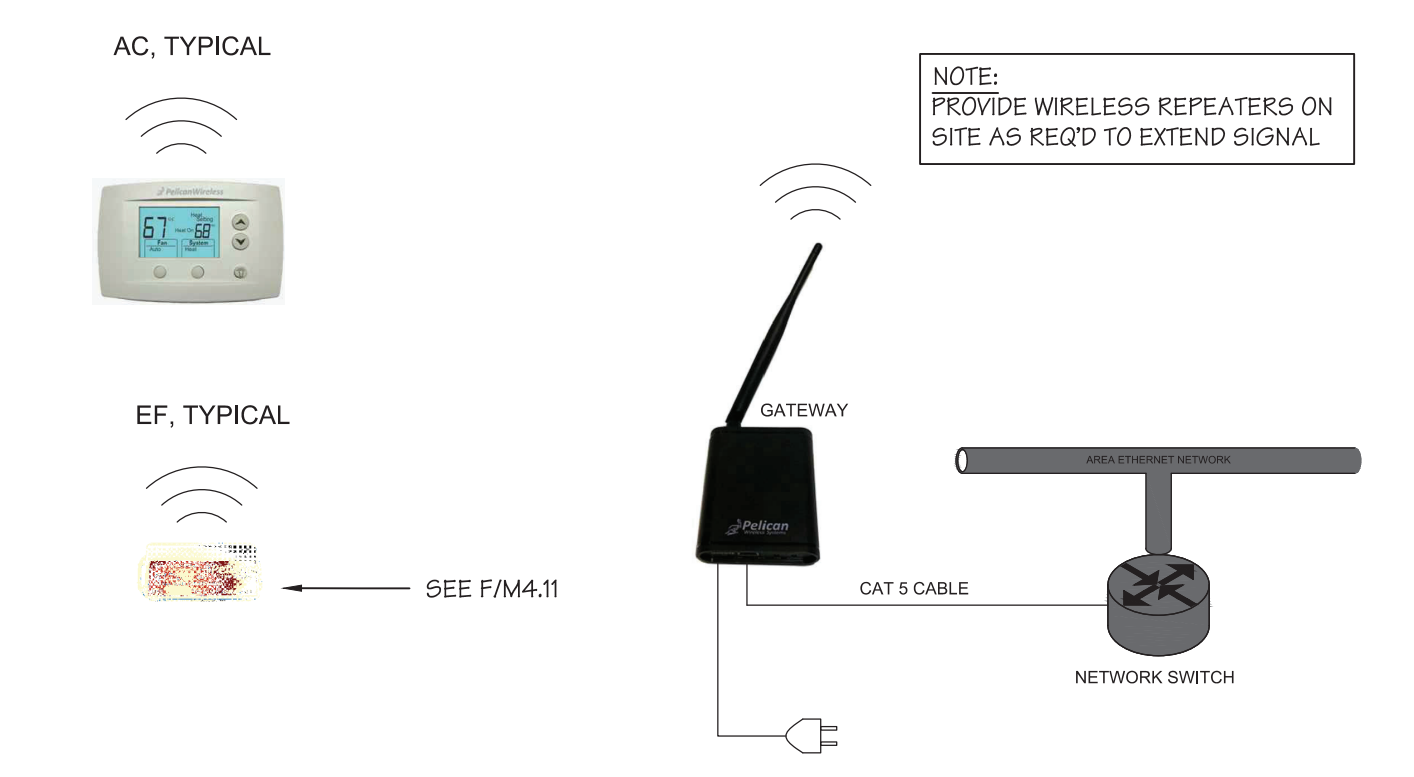


**THERMOSTAT MOUNTING LOCATION**  
SCALE: N.T.S. **(D)**

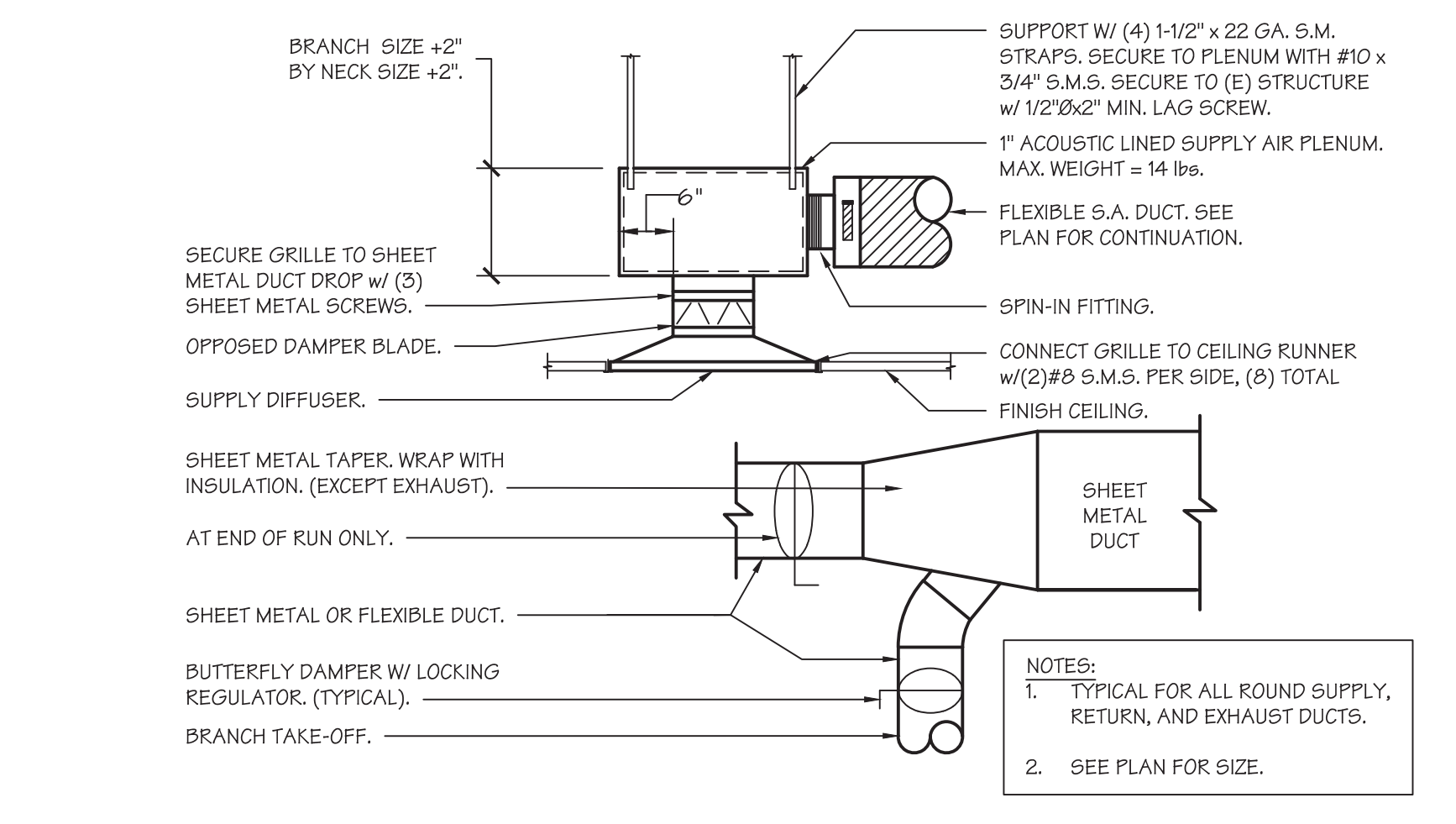
**CEILING DIFFUSER/REGISTER CONNECTION**  
SCALE: N.T.S. **(A)**



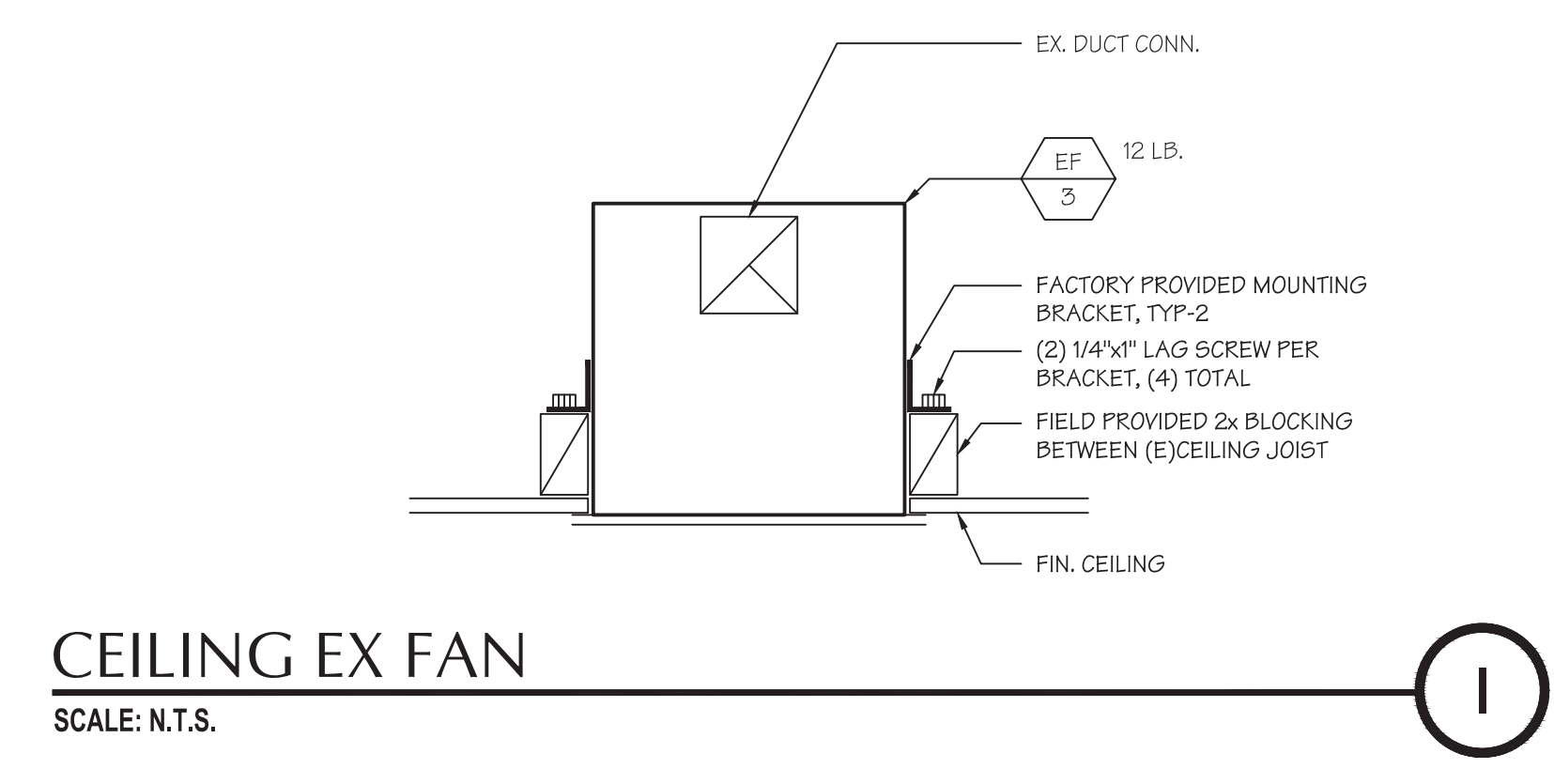
**DUCT HANGER UPPER ATTACHMENT**  
SCALE: N.T.S. **(H)**



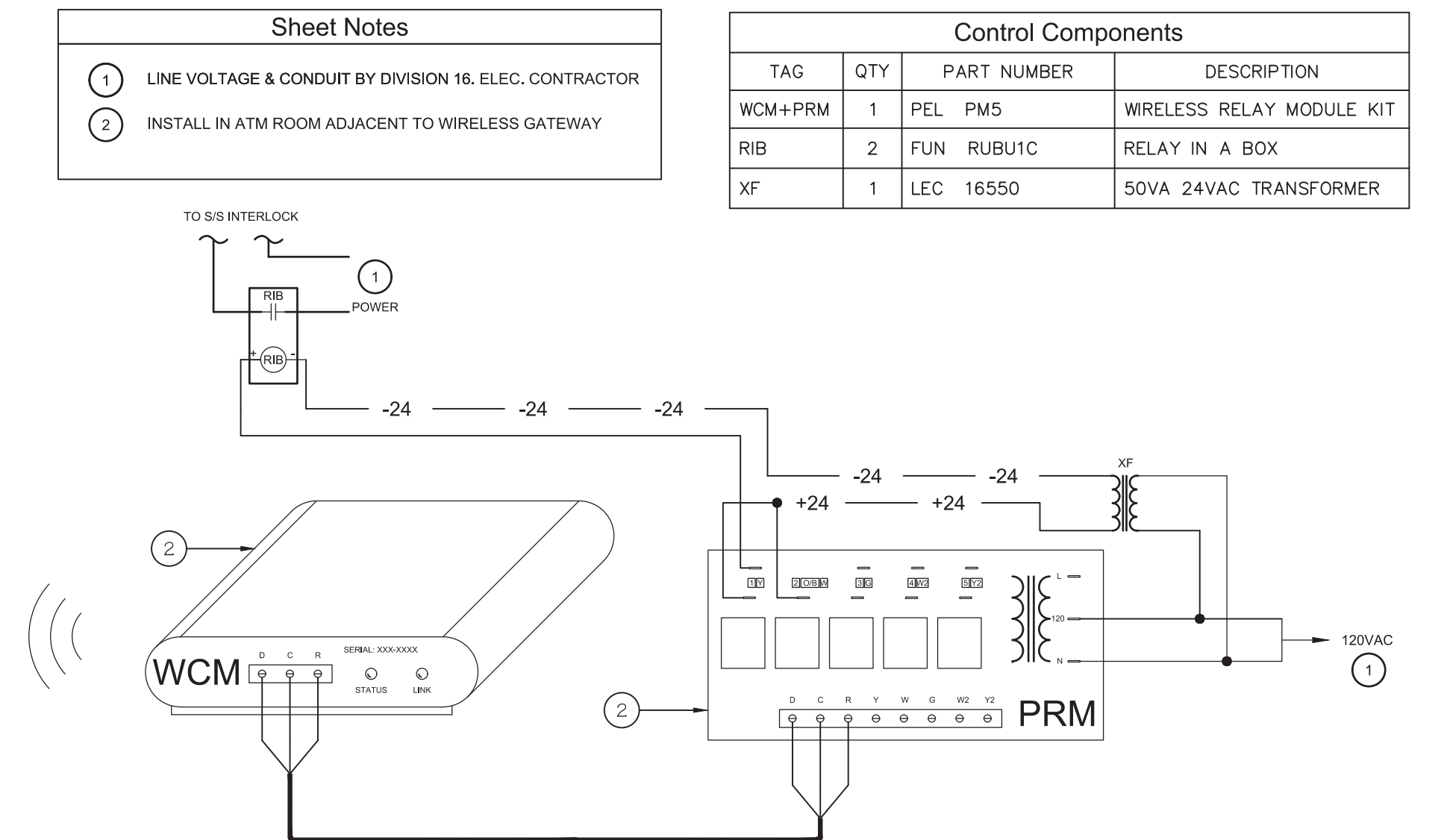
**LAN ARCHITECTURE**  
SCALE: N.T.S. **(E)**



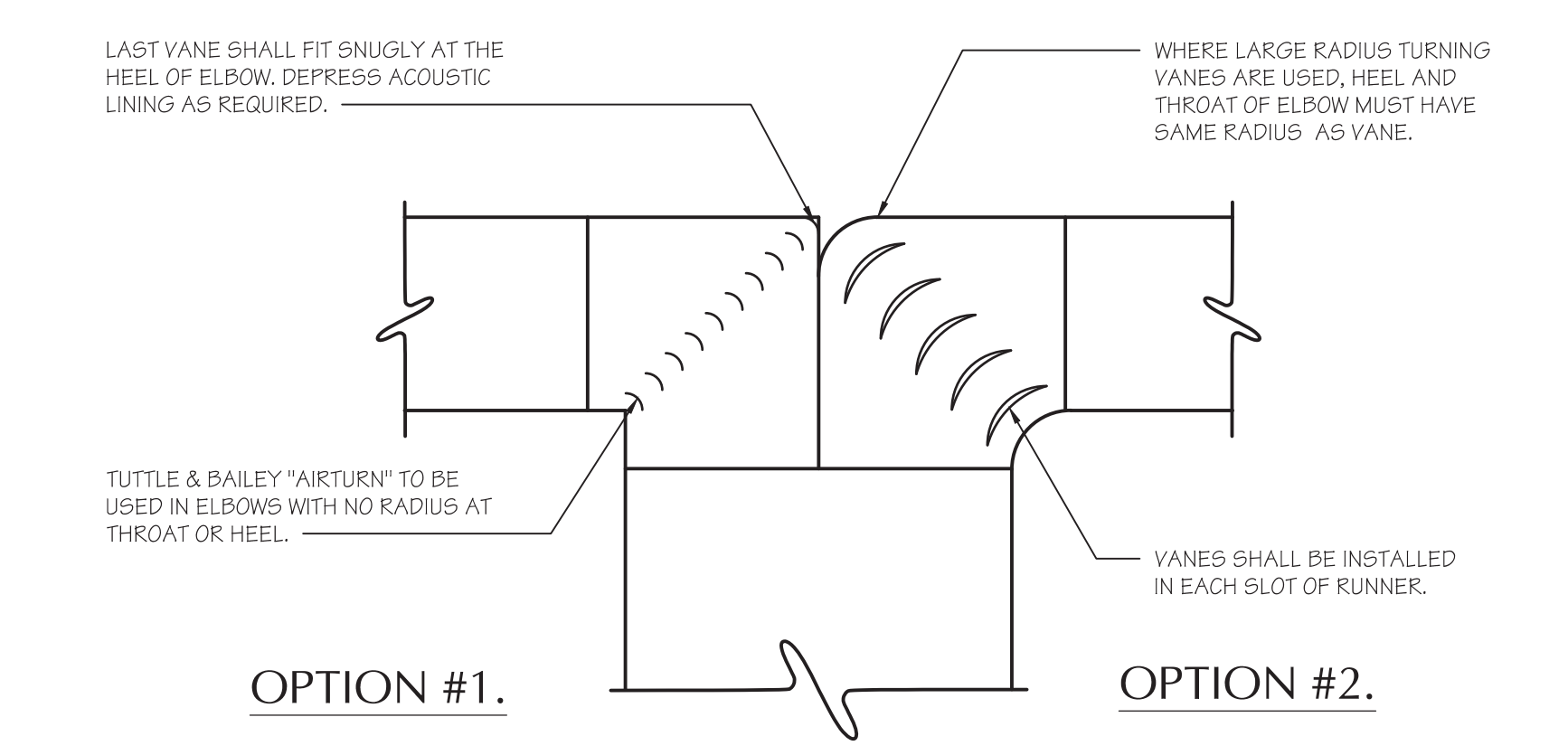
**SUPPLY AIR PLENUM & BRANCH TAKE-OFFS**  
SCALE: N.T.S. **(B)**



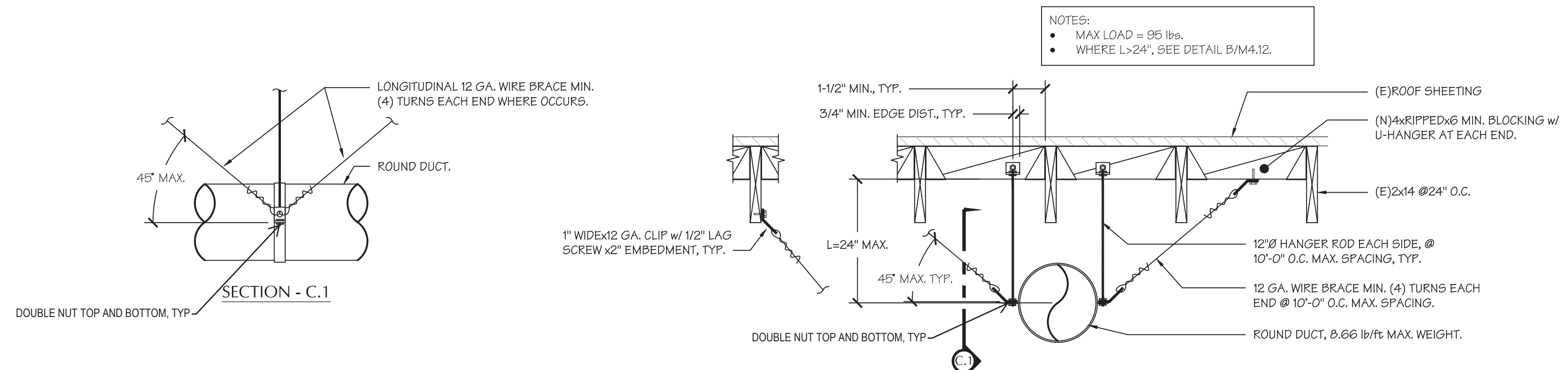
**CEILING EX FAN**  
SCALE: N.T.S. **(I)**



**EX. FAN CONTROL DETAIL**  
SCALE: N.T.S. **(F)**



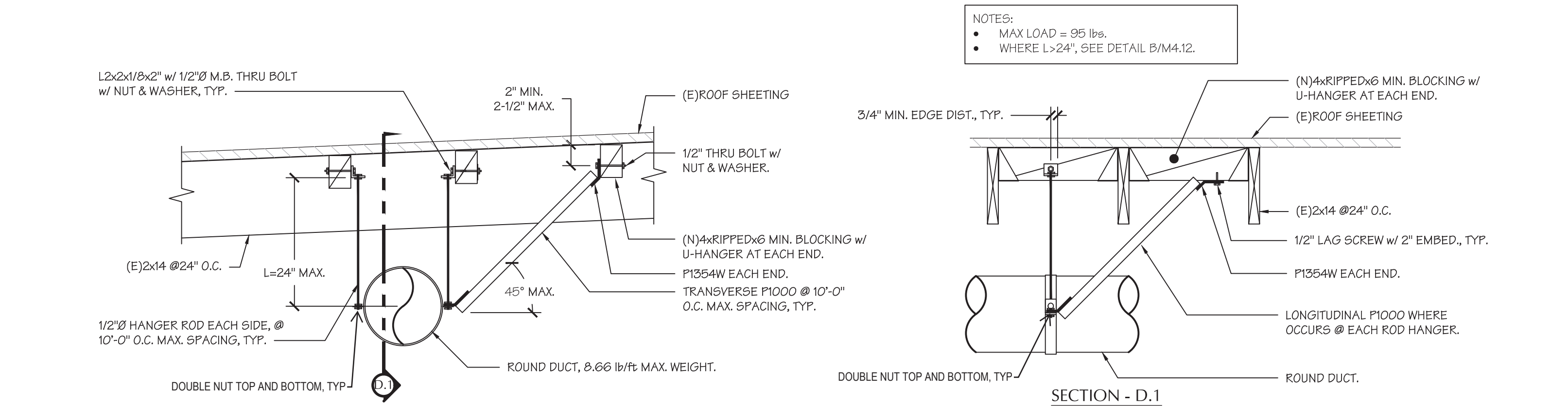
**NINETY DEGREE ELBOW**  
SCALE: N.T.S. **(C)**



**STANDARD HANGERS & BRACING FOR ROUND DUCTS**  
(NOT APPLICABLE AT PERIMETER CONDITIONS)

SCALE: N.T.S.

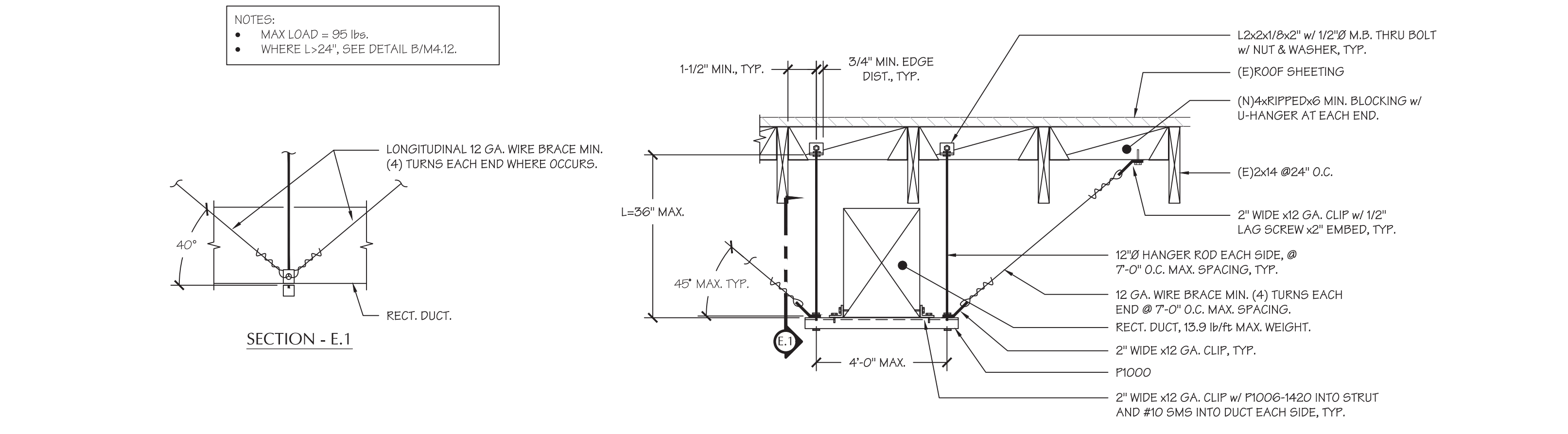
**C**



**ALTERNATIVE HANGERS & BRACING FOR ROUND DUCTS**

SCALE: N.T.S.

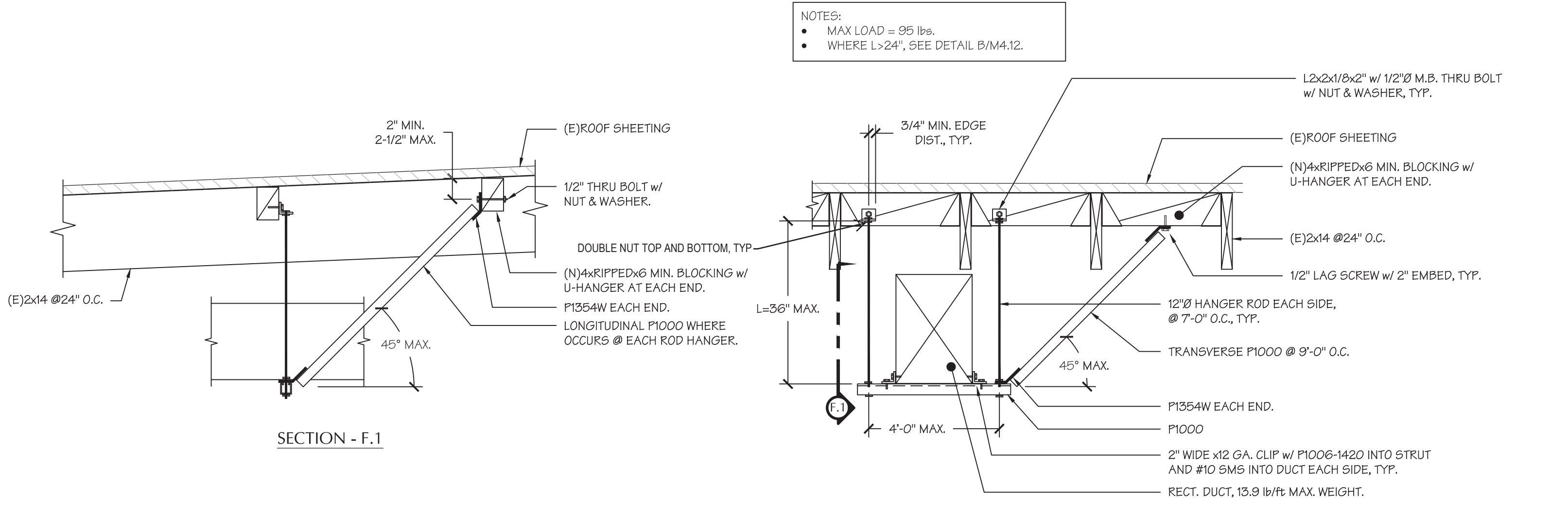
**D**



**STANDARD HANGERS & BRACING FOR RECT. DUCTS**  
(NOT APPLICABLE AT PERIMETER CONDITIONS)

SCALE: N.T.S.

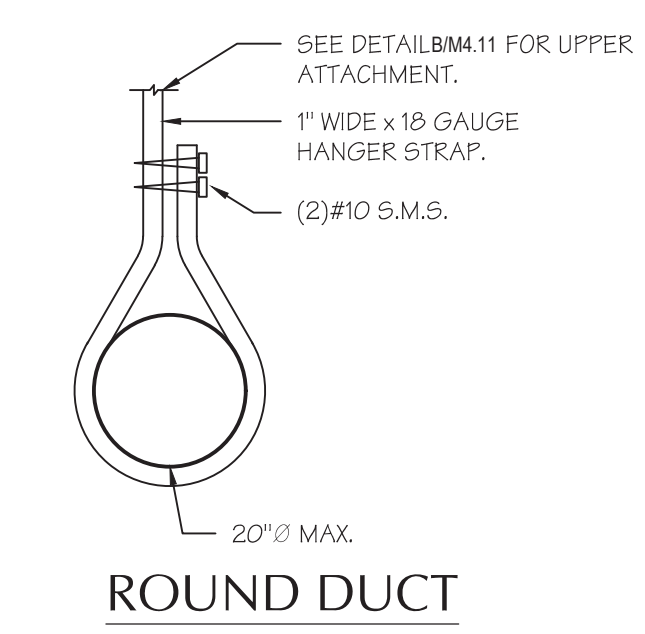
**E**



**ALTERNATIVE HANGERS & BRACING FOR RECT. DUCTS**

SCALE: N.T.S.

**F**



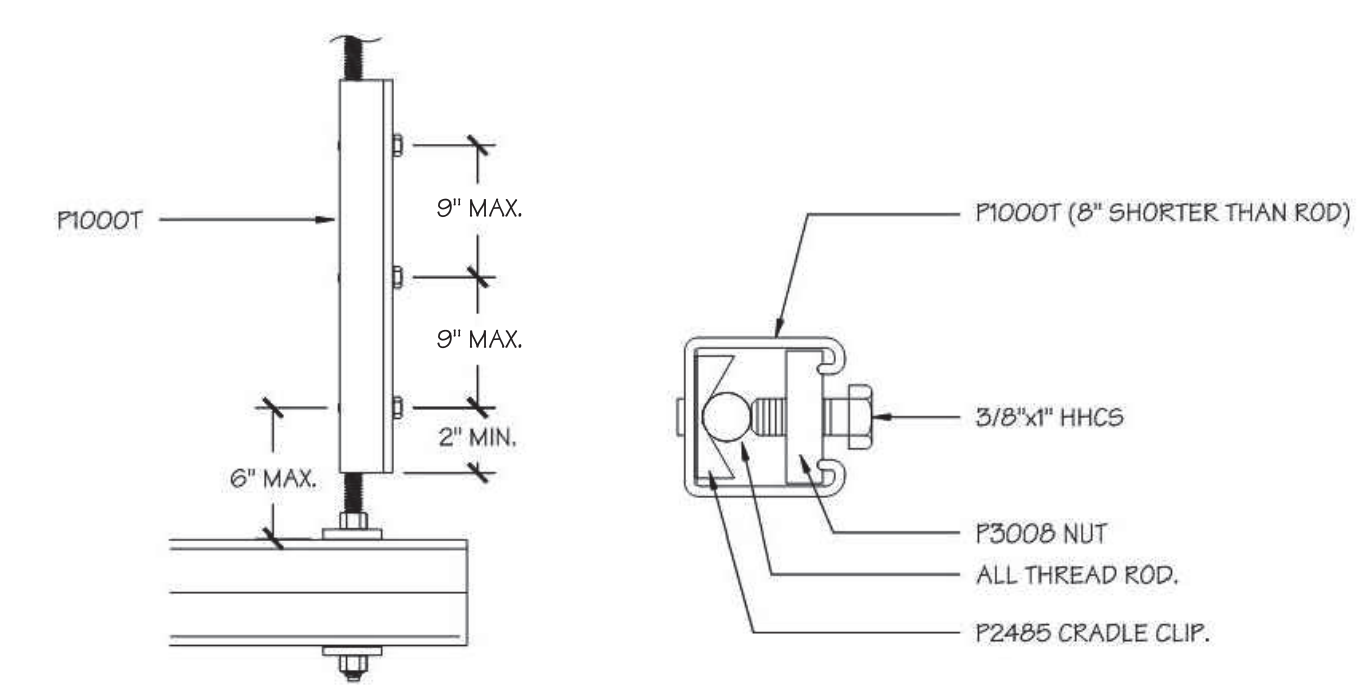
**ROUND DUCT HANGERS**

CONSTRUCTION	DIA.	GA.	WEIGHT lb./ft.			MAX SPACING
			DUCT	1" INS.	TOTAL	
SPIRAL	20"	26	4.74	3.92	8.66	12 ft.
SPIRAL	18"	26	4.26	3.53	7.79	12 ft.
SPIRAL	16"	26	3.79	3.13	6.92	12 ft.
SPIRAL	14"	28	2.29	2.75	5.04	12 ft.
SPIRAL	12"	28	1.96	2.36	4.32	12 ft.
SPIRAL	10"	28	1.64	1.96	3.60	12 ft.
SPIRAL	9"	28	1.47	1.76	3.23	12 ft.
SNAP LOCK	8"	28	1.30	1.57	2.87	12 ft.
SNAP LOCK	6"	28	0.98	1.18	2.16	12 ft.

**ROUND DUCT HANGER WITHOUT BRACING**

SCALE: N.T.S.

**A**



**HANGER ROD REINFORCEMENT**

SCALE: N.T.S.

**B**

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122659 INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 02/28/2024



3434 Truxtun Avenue, Suite 240  
Bakersfield, California 93301  
tel|661.327.1690 fax|661.327.7204  
web|www.aparchitects.net

**CAMPUS HVAC SYSTEM UPGRADE & SITE IMPROVEMENTS**

**Mt Vernon Elementary School**  
2161 Pomona Ave. Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-116670

CONSULTANT



**PROJECT INFO**

Project No	566-0015
Date	10.12.23
DSA File No	15-4
DSA No	03-122659

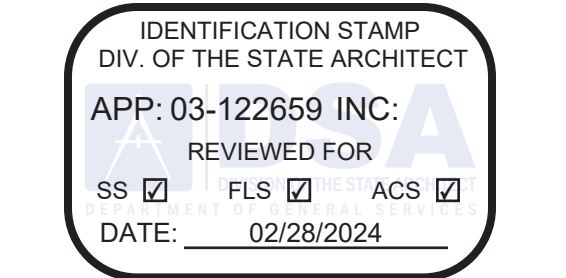
**REVISIONS**

No	Date	Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDITION PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDITION PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
© COPYRIGHT 02.02.24 13:15

DUCT BRACING DETAILS

**M4.12**

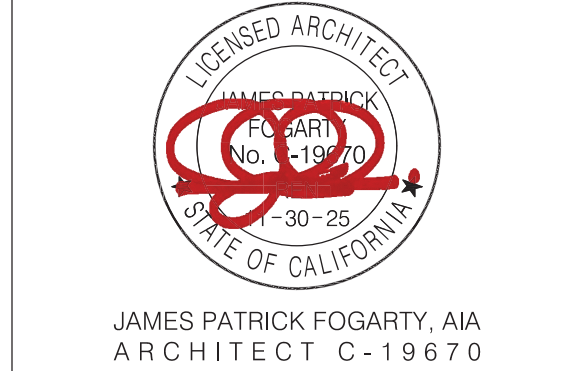


3434 Truxtun Avenue, Suite 240  
Bakersfield, California, 93301  
Tel: 661.327.1690 Fax: 661.327.7204  
web: www.oiparchitects.net

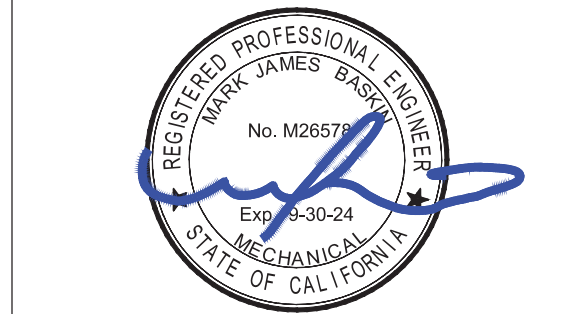
# CAMPUS HVAC SYSTEM UPGRADE & SITE IMPROVEMENTS

Mt Vernon  
Elementary School  
2161 Patomac Ave, Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



CONSULTANT



PROJECT INFO table with columns: Project No, Date, DSA File No, DSA No

REVISIONS table with columns: No, Date, Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP... ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP...

MECHANICAL TITLE 24 SHEETS

M5.00

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 1 of 13

A. GENERAL INFORMATION table with 7 rows of project details

### B. PROJECT SUMMARY

Table with 2 columns: Building Components Complying via Performance, Building Components Complying Prescriptively

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 2 of 13

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr) table

ENERGY STANDARDS COMPLIANCE TOTAL 414.84 254.69 160.15 (38.6%)

C2. RESULTS FOR ABOVE CODE QUALIFICATIONS table

COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS 487.58 327.43 160.2 (32.8%)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 4 of 13

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only) table

Notes: North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 5 of 13

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table

Status: N - New, A - Altered, E - Existing

G5. FENESTRATION ASSEMBLY SUMMARY table

Status: N - New, A - Altered, E - Existing

G6. OVERHANG DETAILS table

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 7 of 13

### H3. EXHAUST FAN SUMMARY

### H4. Wet System Equipment(boilers,chillers,cooling towers,etc.)

### H5. PUMPS

### H6. SYSTEM SPECIAL FEATURES

Table with 4 columns: System Name, Equipment Type, Window Interlocks per §140.4(n), Other Special Features and Controls

### H7. NONRESIDENTIAL VENTILATION

Table with 7 columns: Zone Name, Ventilation Function, # of people, Supply OA CFM, Exhaust CFM, Conditioned Area (sf), DCV or Occupant Sensor Controls, or Both

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 8 of 13

### H7. NONRESIDENTIAL VENTILATION

Table with 7 columns: Zone Name, Ventilation Function, # of people, Supply OA CFM, Exhaust CFM, Conditioned Area (sf), DCV or Occupant Sensor Controls, or Both

### H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION

### H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

Table with 13 columns: System ID, Zone Name, System Type, Qty, Rated Capacity (kBtu/h), Airflow (cfm), Heating, Cooling, Design, Min., Min. Ratio, Power, Power Units, Cycles, VSD

### H10. EVAPORATIVE COOLER SUMMARY

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 3 of 13

C3. ENERGY USE SUMMARY table

### D. EXCEPTIONAL CONDITIONS

### E. HERS VERIFICATION

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 6 of 13

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.) table

H2. FAN SYSTEMS SUMMARY table

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Information table: Project Name, Address, File Name, Calculation Date/Time, Page 9 of 13

### H11. HEAT RECOVERY SUMMARY

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO table

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS table

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12



BASKIN MECHANICAL ENGINEERS  
175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22012  
Pit: 02-02-24



Project Name:	Mt. Vernon B / C / D / E	NRCC-PRF-01-E	Page 10 of 13
Project Address:	2161 Patomac Avenue Bakersfield 93307	Calculation Date/Time:	11:44, Tue, Sep 27, 2022
Input File Name:	Mt Vernon B C D E T24.cbld19x		

Project Name:	Mt. Vernon B / C / D / E	NRCC-PRF-01-E	Page 11 of 13
Project Address:	2161 Patomac Avenue Bakersfield 93307	Calculation Date/Time:	11:44, Tue, Sep 27, 2022
Input File Name:	Mt Vernon B C D E T24.cbld19x		

Project Name:	Mt. Vernon B / C / D / E	NRCC-PRF-01-E	Page 12 of 13
Project Address:	2161 Patomac Avenue Bakersfield 93307	Calculation Date/Time:	11:44, Tue, Sep 27, 2022
Input File Name:	Mt Vernon B C D E T24.cbld19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online at: <a href="https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/">https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/</a>	
Building Component	Form/Title
Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings


M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <a href="https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/">https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/</a>	
Building Component	Form/Title
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	NRCA-MCH-05-A Air Economizer Controls
	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)(3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints
	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
	NRCA-MCH-16-A Supply Air Temperature Reset Controls


CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

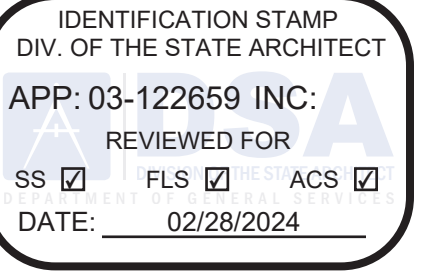
CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

Project Name:	Mt. Vernon B / C / D / E	NRCC-PRF-01-E	Page 13 of 13
Project Address:	2161 Patomac Avenue Bakersfield 93307	Calculation Date/Time:	11:44, Tue, Sep 27, 2022
Input File Name:	Mt Vernon B C D E T24.cbld19x		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Mark Baskin	Signature:  Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	
Address: 175 Fulton St.	Signature Date: 2022-09-27
City/State/Zip: Fresno CA 93721	CEA/ HERS Certification Identification (if applicable): M26578
Phone: 552370376	

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none"> <li>The information provided on this Certificate of Compliance is true and correct.</li> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).</li> <li>The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.</li> <li>I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.</li> </ol>	
Responsible Envelope Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title: License #:
Phone:	
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title: License #:
Phone:	
Responsible Mechanical Designer Name: Mark Baskin, P.E.	Signature:  Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	
Address: 5500 Ming Avenue, #251	Date Signed: 09-27-2022
City/State/Zip: Bakersfield CA 93309	Title: P. E. License #: M26578
Phone: (661) 397-2114	

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-09-27 11:45:12

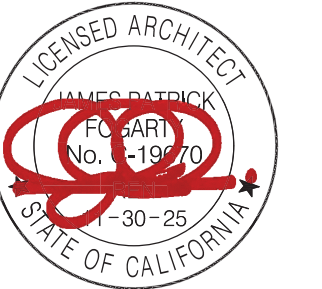


3434 Truxtun Avenue, Suite 240  
Bakersfield, California, 93301  
tel | 661.327.1690 fax | 661.327.7204  
web | www.oiparchitects.net

## CAMPUS HVAC SYSTEM UPGRADE & SITE IMPROVEMENTS

Mt Vernon Elementary School  
2161 Patomac Ave. Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-196670

CONSULTANT



PROJECT INFO	
Project No	566-0015
Date	10.12.23
DSA File No	15-4
DSA No	03-122659

REVISIONS		
No	Date	Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS SHALL BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.  
© COPYRIGHT 02.02.24 13:15

MECHANICAL TITLE 24 SHEETS

# M5.01



**BASKIN MECHANICAL ENGINEERS**  
175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22012  
Plt: 02-02-24