



IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 03-122640 INC:  
 REVIEWED FOR:  
 SS  FLS  ACS   
 DATE: 11/09/2023



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

**CAMPUS HVAC  
 SYSTEM UPGRADE**

Fremont Magnet  
 Elementary School  
 807 Texas St Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



CONSULTANT



**PROJECT INFO**

Project No	566-0018
Date	09/14/23
DSA File No	15-4
DSA No	03-122640

**REVISIONS**

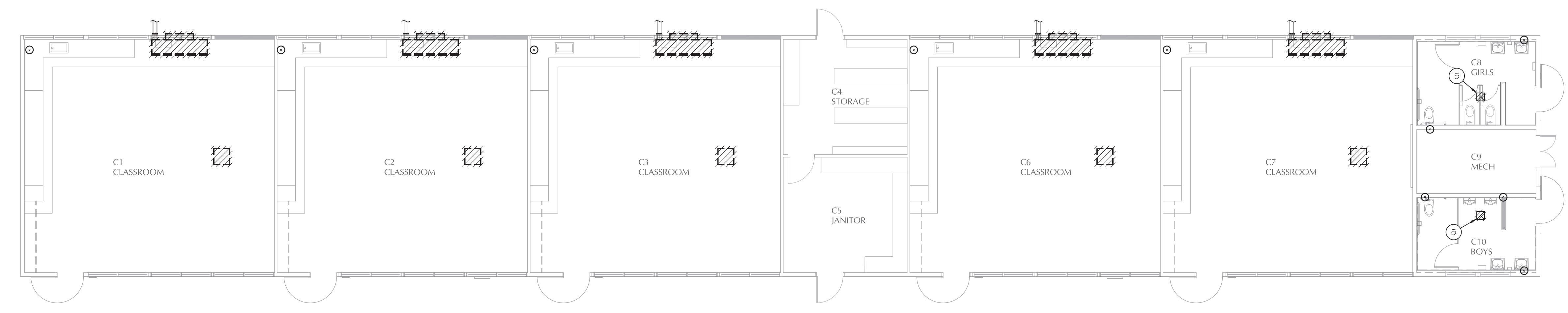
No	Date	Item
1	00.00.08	DESCRIPTION

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 11.03.23 16.45

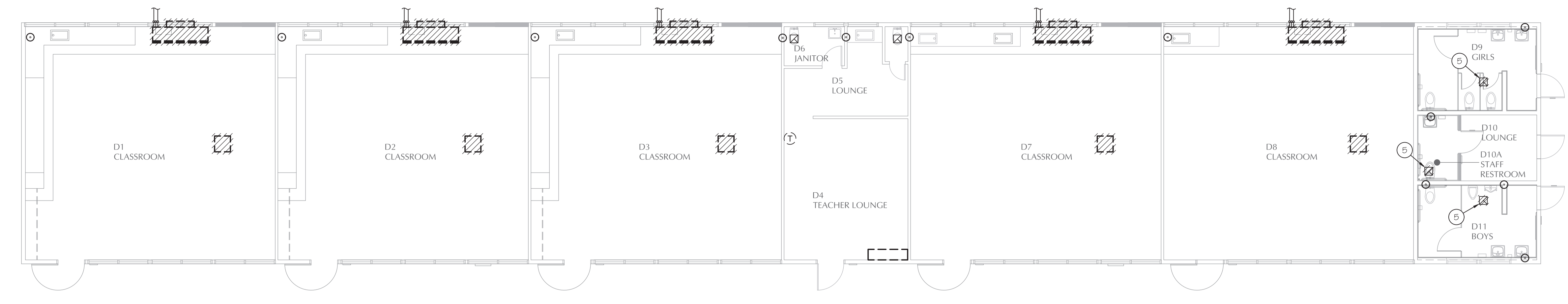
MECHANICAL DEMOLITION PLANS

**M2.10**

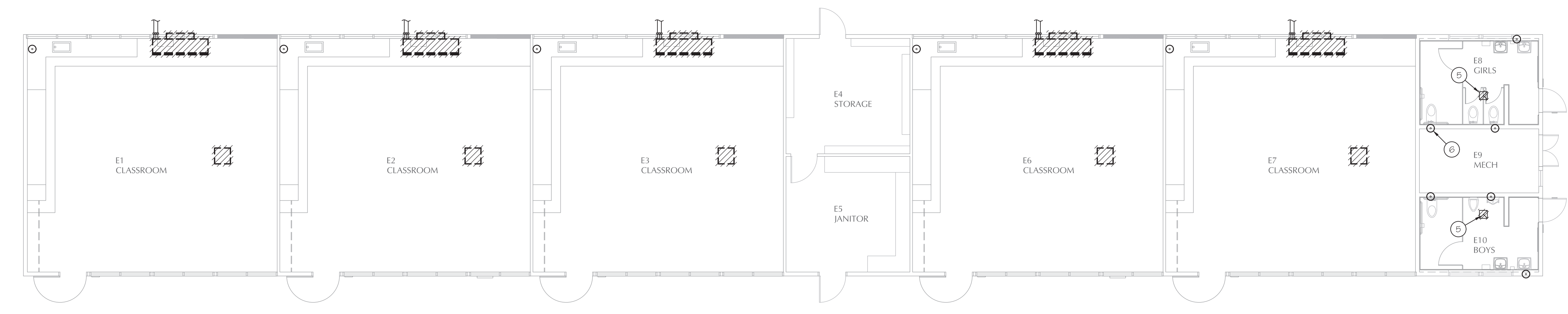
- Demolition Key Notes:**
- 1 Remove existing floor mounted unit ventilator, all related mechanical piping, condensate piping, controls, supports, anchorage, etc. Patch existing surfaces to match existing.
  - 2 Remove existing outside air louvers. Infill / patch wall to match existing.
  - 3 Remove existing hydronic and condensate piping and exterior chase. Remove piping to 12" below grade. Cap piping and abandon in place.
  - 4 Remove existing gravity relief vents, roof curb, ductwork, roof cap, relief grille, etc.
  - 5 Remove existing exhaust fan, ductwork, etc.
  - 6 Existing waste vent, typical. Confirm exact location in field.
  - 7 Abandon in place below grade site hydronic piping.
  - 8 Existing split system fan coil to remain.
  - 9 Existing exhaust fan to remain.



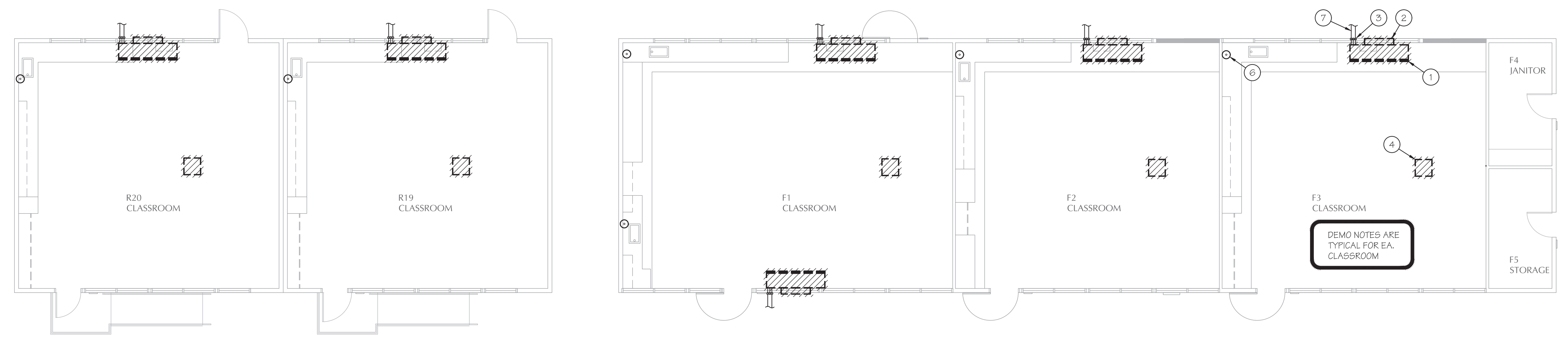
**MECHANICAL DEMO PLAN - BUILDING C**  
 SCALE: 1/8"=1'-0"



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



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



**MECHANICAL DEMO PLAN - BUILDING R19/R20**  
 SCALE: 1/8"=1'-0"

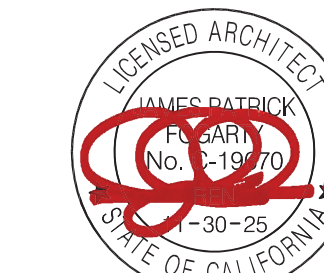
**MECHANICAL DEMO PLAN - BUILDING F**  
 SCALE: 1/8"=1'-0"

**bme** BASKIN MECHANICAL ENGINEERS  
 175 Fulton Street  
 Fresno, CA 93721  
 Tel: (559) 237-0376  
 Job: 22013  
 P1: 10-05-23

**CAMPUS HVAC  
 SYSTEM UPGRADE**

**Fremont Magnet  
 Elementary School**  
 607 Texas St Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT C-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

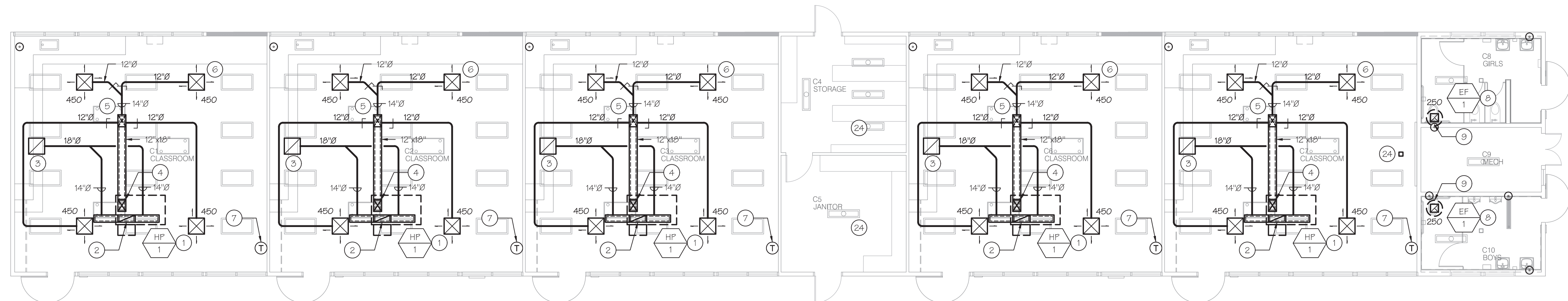
**REVISIONS**

No	Date	Item	DESCRIPTION
1	09.08.08		

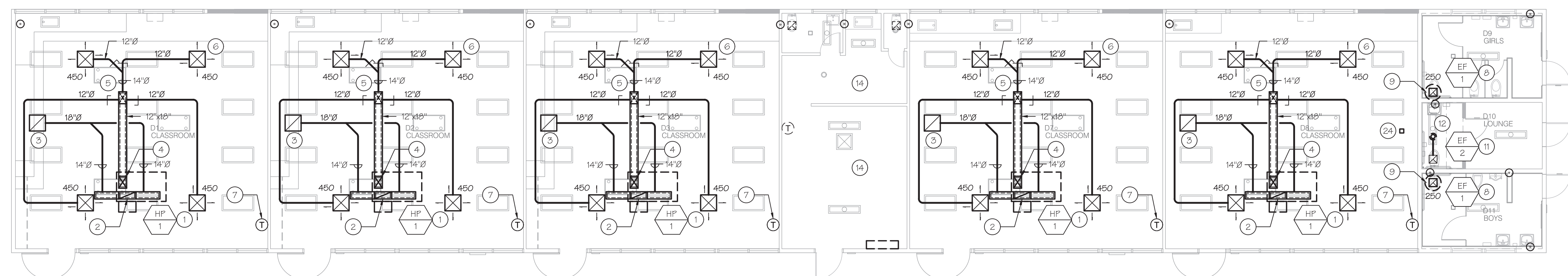
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITERS SHALL HAVE PRECEDENCE OVER SCALED 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 11.03.23.16.45

MECHANICAL FLOOR PLAN

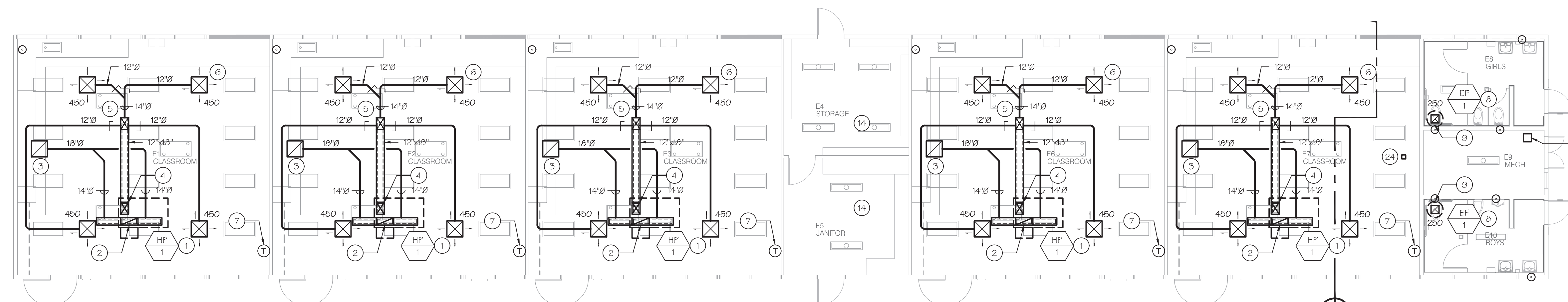
**M2.20**



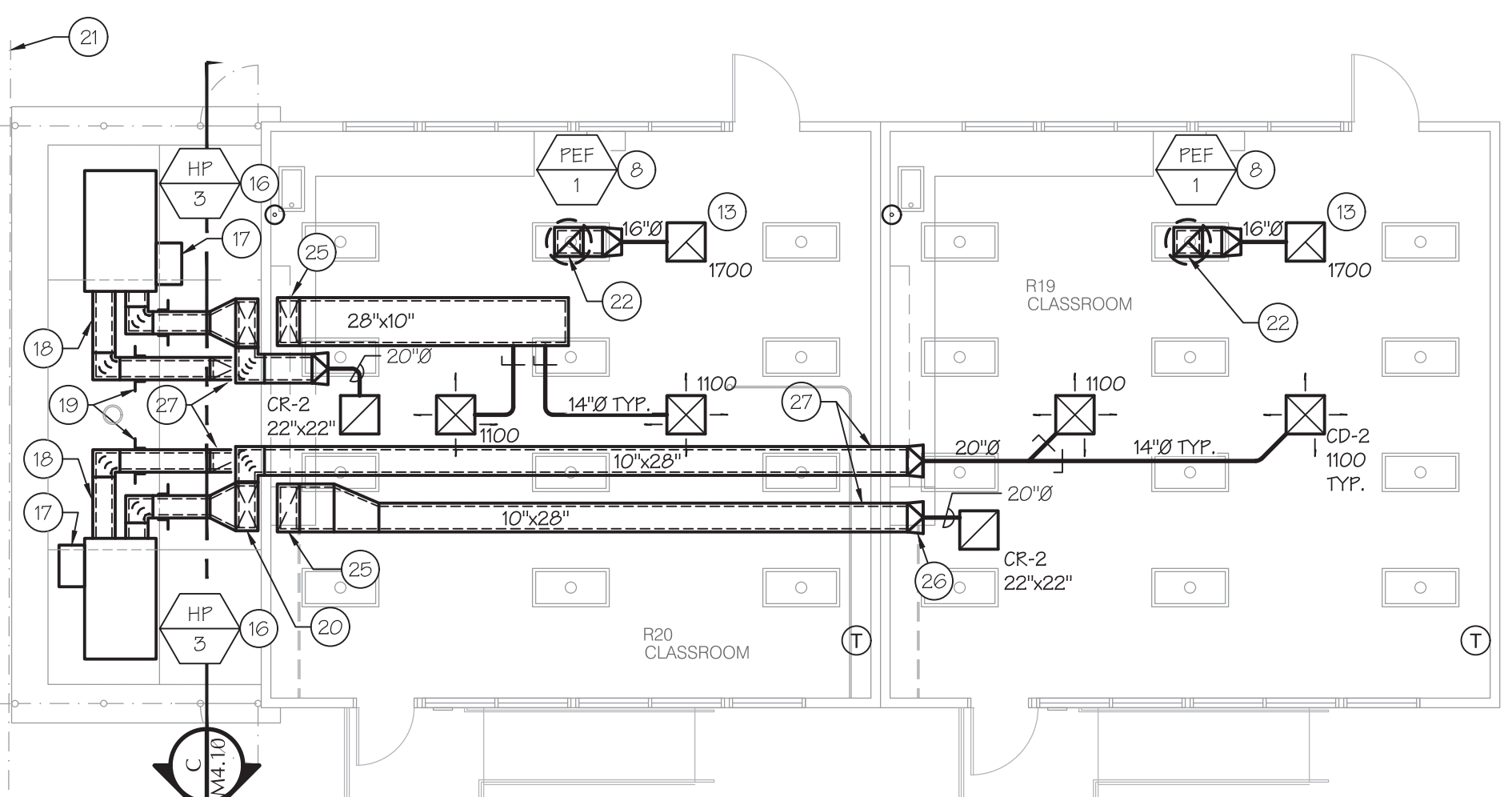
**MECHANICAL FLOOR PLAN - BUILDING C**  
 SCALE: 1/8"=1'-0"



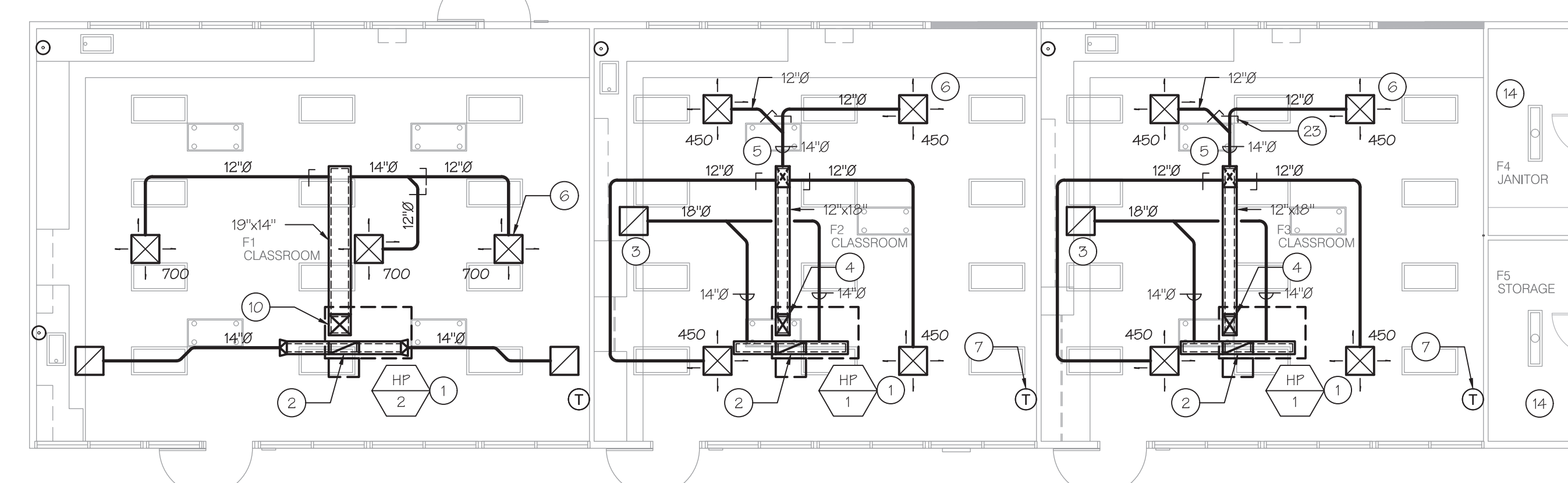
**MECHANICAL FLOOR PLAN - BUILDING D**  
 SCALE: 1/8"=1'-0"



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

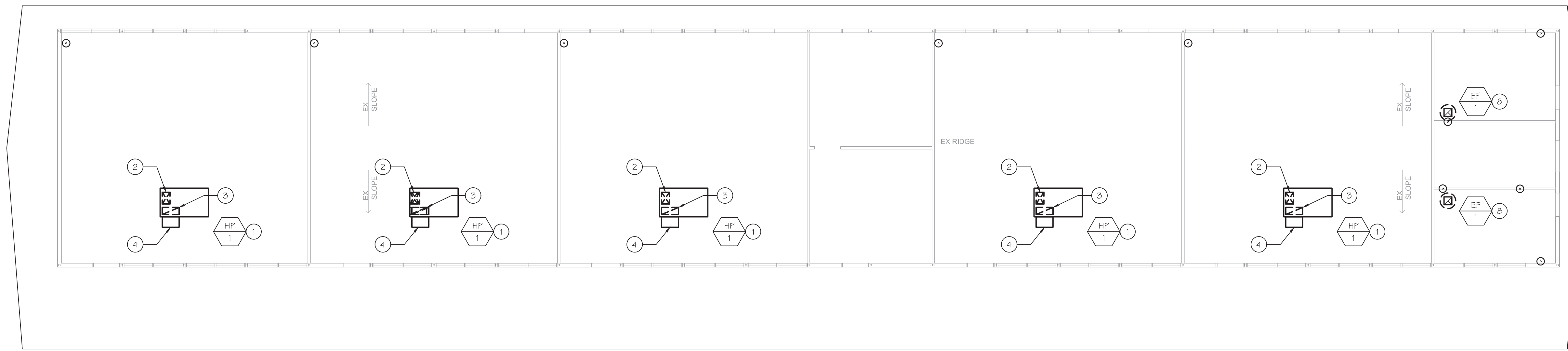


**MECHANICAL FLOOR PLAN - BUILDING R19/R20**  
 SCALE: 1/8"=1'-0"

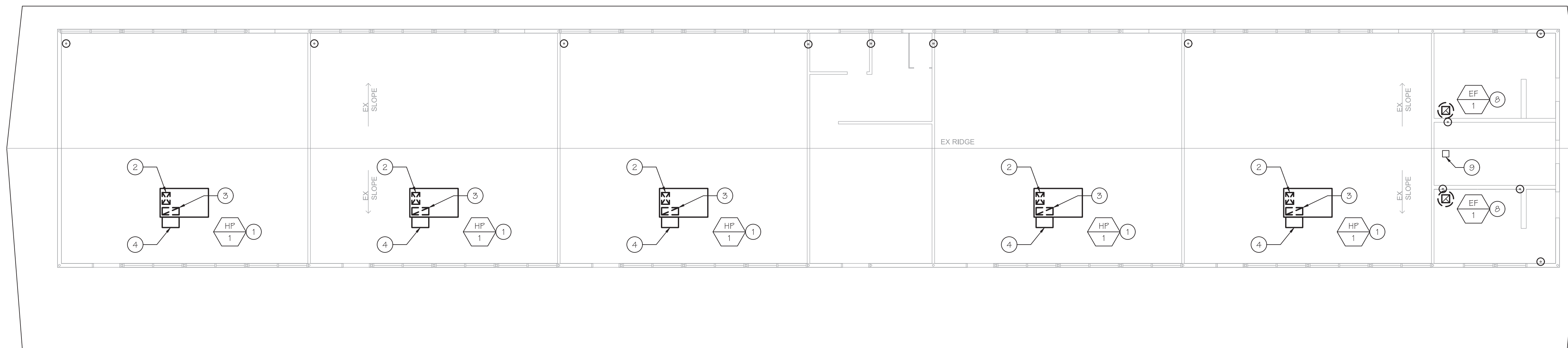


**MECHANICAL FLOOR PLAN - BUILDING F**  
 SCALE: 1/8"=1'-0"

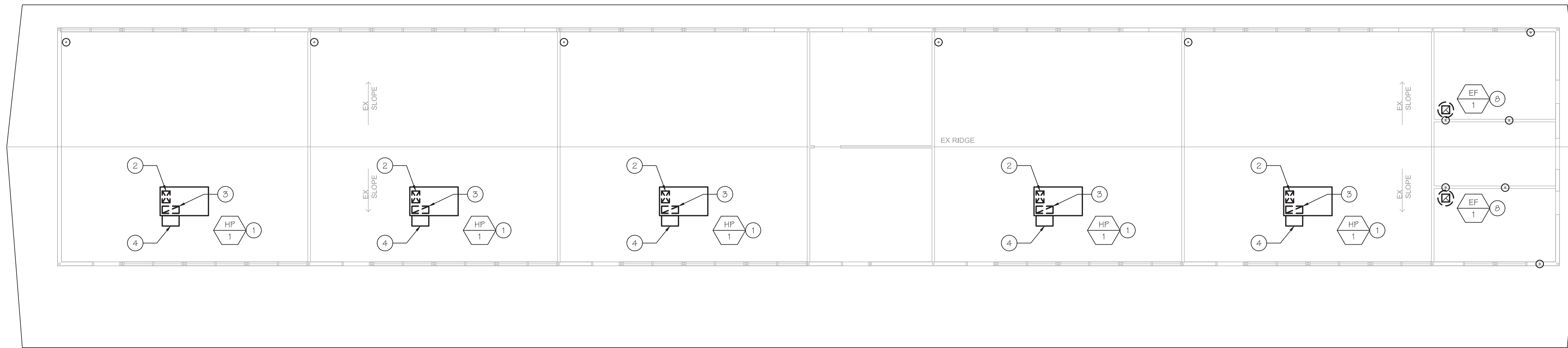
- MECHANICAL FLOOR PLAN KEYNOTES:**
- ROOF MOUNTED HP UNIT. SEE MECHANICAL ROOF PLAN.
  - 26" X 11" RETURN AIR RISER WITH 1" LINER, 26" X 13" NET, AT BOTTOM OF RISER PROVIDE MITERED LINED TEE FITTING WITH 11" X 14" IN EACH DIRECTION. SEE DETAIL C/M4.11.
  - CR-1 TYPICAL.
  - 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET.
  - ELBOW DOWN TO BELOW TRUSS SPACE.
  - CD-1 TYPICAL. SEE DETAIL A/M4.11.
  - T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION. SEE DETAIL D/M4.11.
  - ROOF MOUNTED EXHAUST FAN. SEE MECHANICAL ROOF PLAN.
  - 8" X 8" EXHAUST DUCT DROP WITH 1" LINER, 10" X 10" NET, WITH CE-1, 10" X 10" EXHAUST GRILLE.
  - 14" X 19" SUPPLY AIR DROP WITH 1" LINER, 16" X 21" NET.
  - CEILING EXHAUST FAN.
  - 6" ROUND DUCT THRU ROOF TO ROOF CAP.
  - CE-3 CEILING EXHAUST GRILLE.
  - NO MECHANICAL WORK IN THIS ROOM.
  - PELICAN WIRELESS GATEWAY w/ 115 PLUG CONNECTED TO WALL OUTLET AND CONN. TO LOCAL ROUTER. PROVIDE WALL MTD. BRACKET. SEE DETAILS EAF/M4.11.
  - AC UNIT MOUNTED AT GRADE. SEE DETAIL B/M4.10.
  - ECONOMIZER.
  - 12" X 26" SUPPLY AND RETURN DUCTS WITH 2" LINER, 14" X 30" NET.
  - DUCT SUPPORTS. SEE DETAIL H/M4.11.
  - SUPPLY AND RETURN DUCT RISERS UP EXTERIOR WALL. SEE C/M4.10.
  - CHAIN LINK FENCE LINE.
  - 14" X 14" EXHAUST RISER WITH 1" LINER, 16" X 16" NET.
  - BRANCH DUCT VOLUME DAMPER, TYP. SEE DETAIL B/M4.11.
  - LOCATE RELAY MODULE FOR CONTROL OF EXHAUST FANS ABOVE CEILING. SEE DETAIL F/M4.11.
  - 10" X 26" RISE FROM SOFFIT SPACE BETWEEN EXTERIOR WALL AND 2x6 CEILING. JOIST, TYP.
  - TRANSITION TO 20" Ø, TYP.
  - 10" X 26" DUCTS w/ 2" LINER, 14" X 20" NET. ROUTE THRU SHEAR WALL. LOCATE BETWEEN (E)FRAMING.



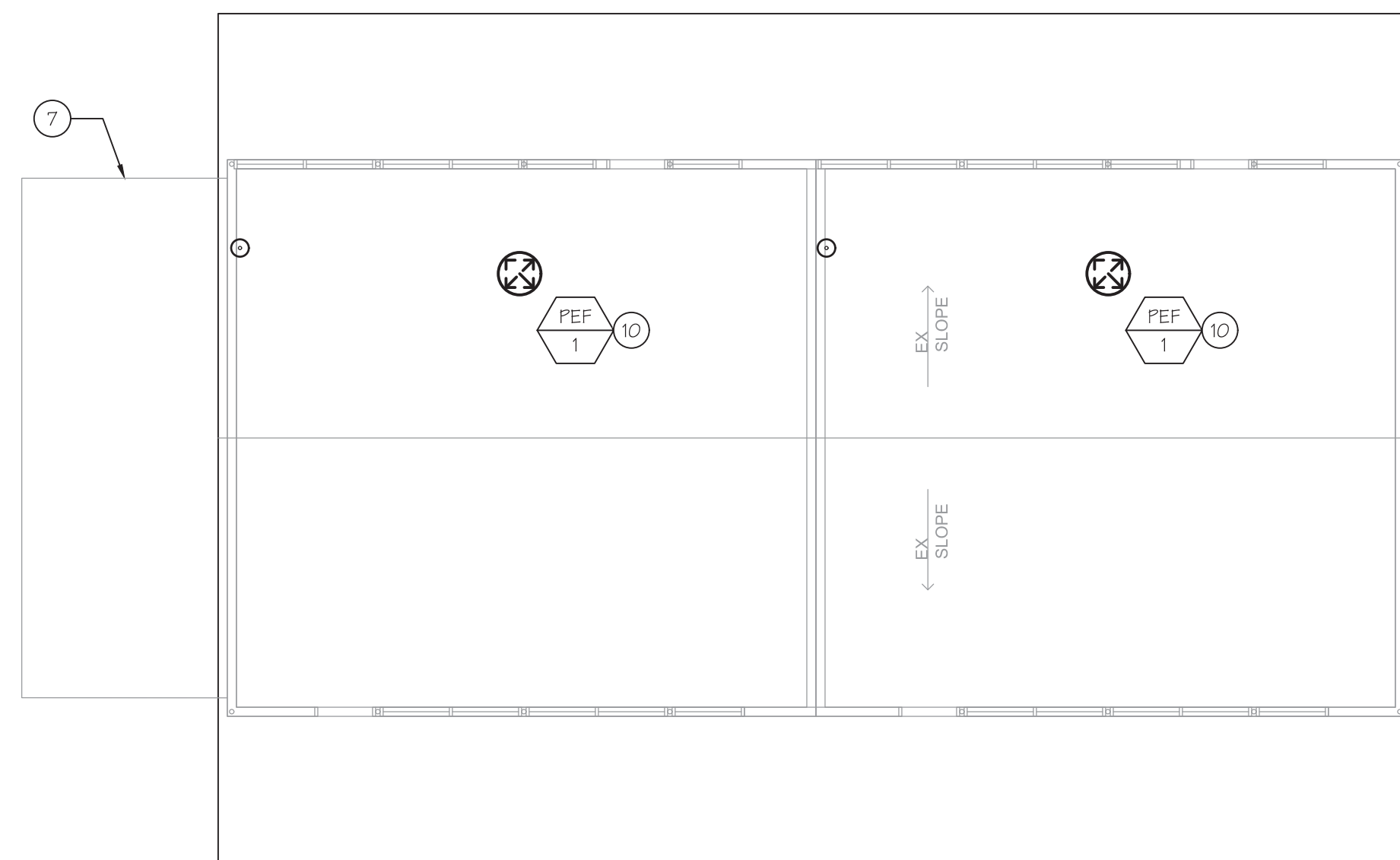
**MECHANICAL ROOF PLAN - BUILDING C**  
SCALE: 1/8"=1'-0"



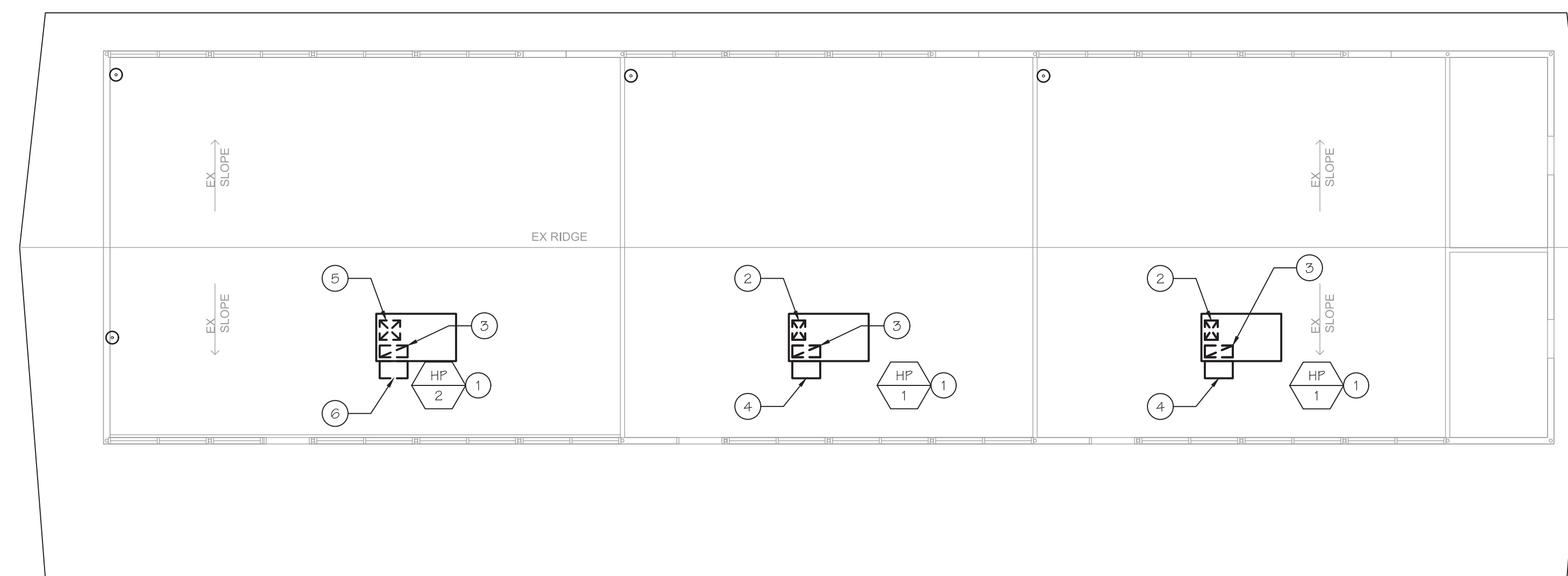
**MECHANICAL ROOF PLAN - BUILDING D**  
SCALE: 1/8"=1'-0"



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



**MECHANICAL ROOF PLAN - BUILDING R19/R20**  
SCALE: 1/8"=1'-0"



**MECHANICAL ROOF PLAN - BUILDING F**  
SCALE: 1/8"=1'-0"

- MECHANICAL ROOF PLAN KEYNOTES:**
- 1 NEW HP UNIT ON SLOPED ROOF CURB. SEE DETAIL A/M4.10
  - 2 12" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 14" X 20" NET.
  - 3 28" X 11" RETURN DUCT RISER THRU ROOF WITH 1" LINER, 28" X 18" NET.
  - 4 ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 150 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 400 CFM.
  - 5 14" X 18" SUPPLY DUCT DROP THRU ROOF WITH 1" LINER, 16" X 21" NET.
  - 6 ECONOMIZER WITH POWER EXHAUST MODULE. SET MINIMUM OUTSIDE EQUAL TO 200 CFM WITH DEMAND CONTROL VENTILATION OVERRIDE TO 500 CFM.
  - 7 SEE SHEET M2.20 FOR GROUND MOUNTED HP UNITS IN THIS AREA THAT SERVE BUILDING R19/R20.
  - 8 NEW ROOF MOUNTED EXHAUST FAN WITH 8" X 8" LINED EXHAUST RISER THRU ROOF, 10" X 10" NET. SEE DETAIL G/M4.11.
  - 9 NEW ROOF CAP FOR CEILING EXHAUST FAN.
  - 10 NEW POWER EXHAUST FAN WITH 16" X 16" LINED EXHAUST RISER, 18" X 18" NET. SEE DETAIL H/M4.11.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 03-122640 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 11/09/2023



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

**CAMPUS HVAC  
SYSTEM UPGRADE**

**Fremont Magnet  
Elementary School**

607 Texas St Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

**REVISIONS**

No	Date	Item
1	00.00.08	DESCRIPTION

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 11.03.23 16:45

MECHANICAL ROOF PLAN

**M3.10**

**bne** BASKIN  
MECHANICAL  
ENGINEERS  
175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22013  
Plt: 10-05-23

**CAMPUS HVAC  
 SYSTEM UPGRADE**

**Fremont Magnet  
 Elementary School**  
 607 Texas St Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT C-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

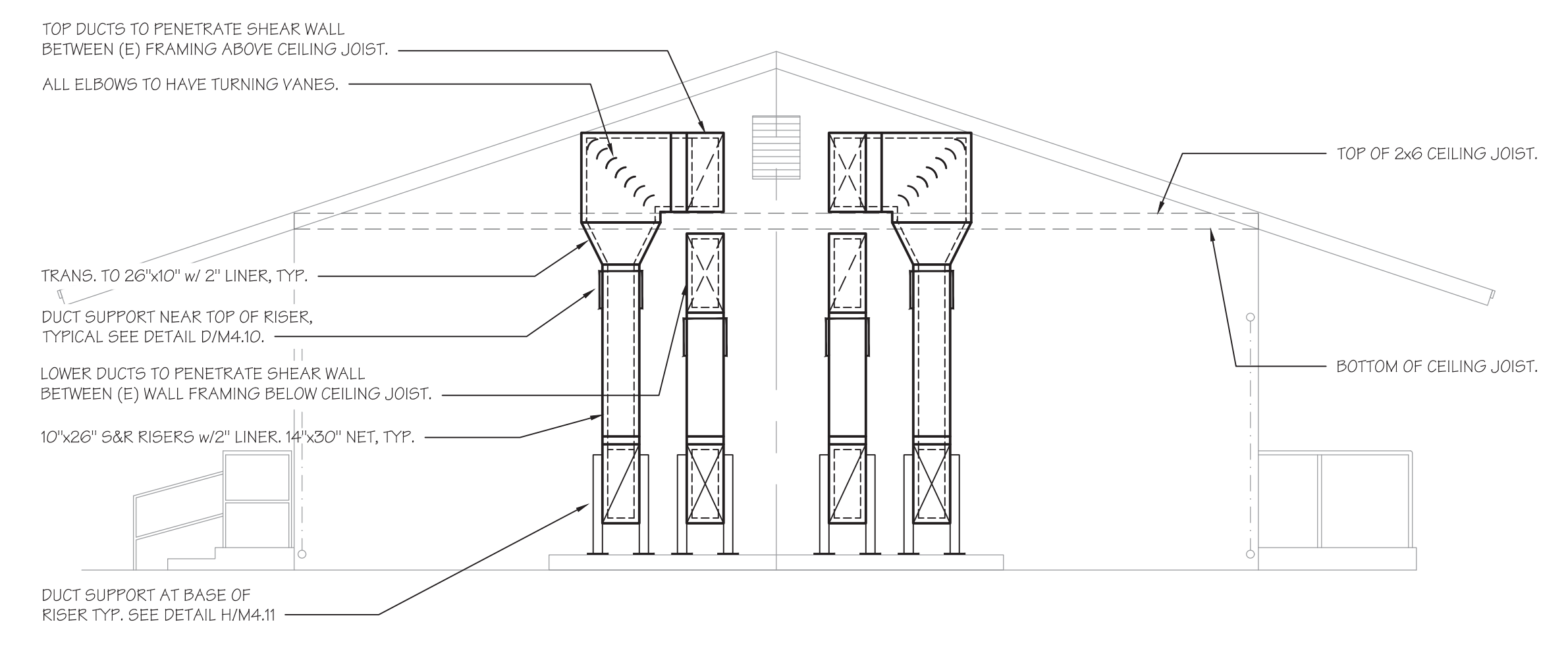
**REVISIONS**

No	Date	Item
1	00.00.08	DESCRIPTION

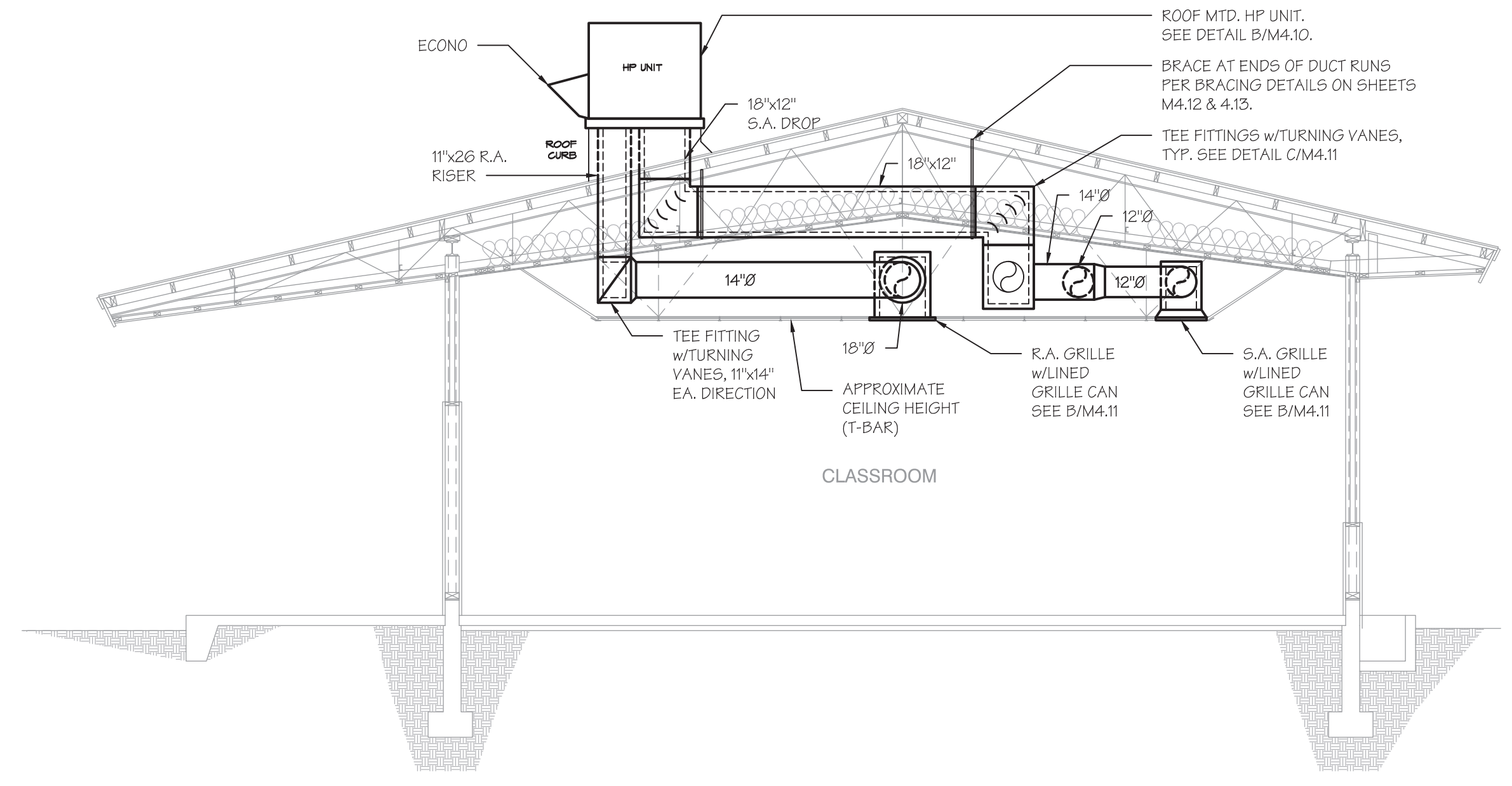
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED 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 11.03.23 16:46

MECHANICAL DETAILS AND SECTION

**M4.10**



**MECHANICAL ELEVATION - BUILDING R19/R20**  
 SCALE: 1/4"=1'-0"



**MECHANICAL SECTION - BUILDING C-F**  
 SCALE: 1/4"=1'-0"

**MicroMetl** Date: \_\_\_\_\_ Weight: 105lbs (US) 47.63kg (Metric) Part Number: CRBW-SRT12HA-1411

Submitted to: \_\_\_\_\_ Approved by: \_\_\_\_\_ Notes: \_\_\_\_\_

Welded Structurally Calculated Curb - 14 Inches Tall Non Insulated Full Perimeter Welded Structurally Calculated Curb. California State Standard, Standard Seismic Criteria. "Structurally Stamped By A Professional Engineer, Without Pitch, Insulated Deck Pan If Applicable. Includes Wood Nailers & Hold Down Brackets. Meets Seismic Requirements for 2022 CBC & 2021 IBC. Wind Design Criteria: 60 Foot Tall Building Mainum, Exposure C, 155 MPH - 3 Second Gust Speed, Risk Category III & IV.

FORM NO.: \_\_\_\_\_

ANCHORAGE DETAILS TO ROOF

ANCHORAGE DETAILS TO GRADE

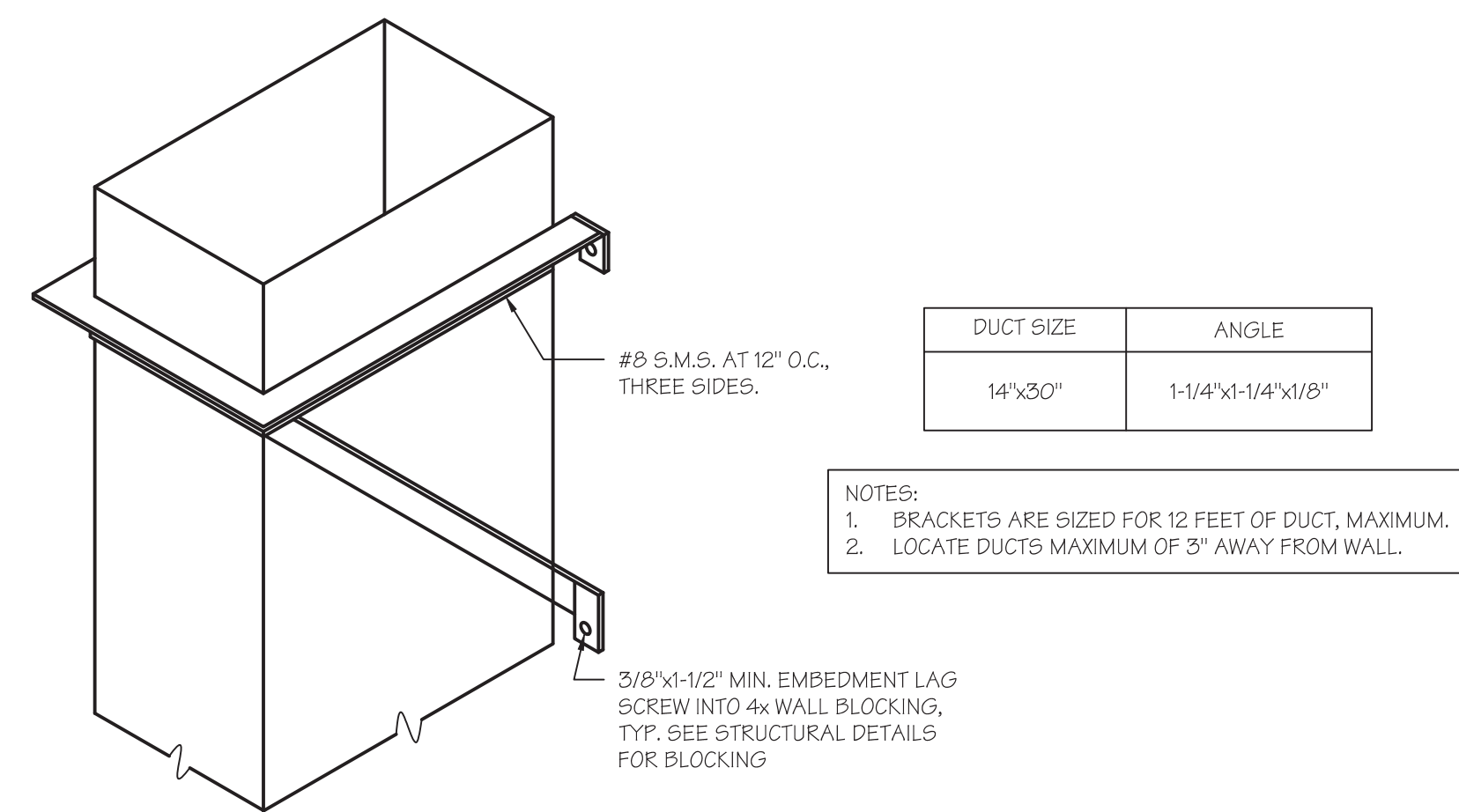
MicroMetl Corporation

Indianapolis, IN 46208-8000  
 Sparks, NV 89422-0000  
 Longview, TX 75002-0000

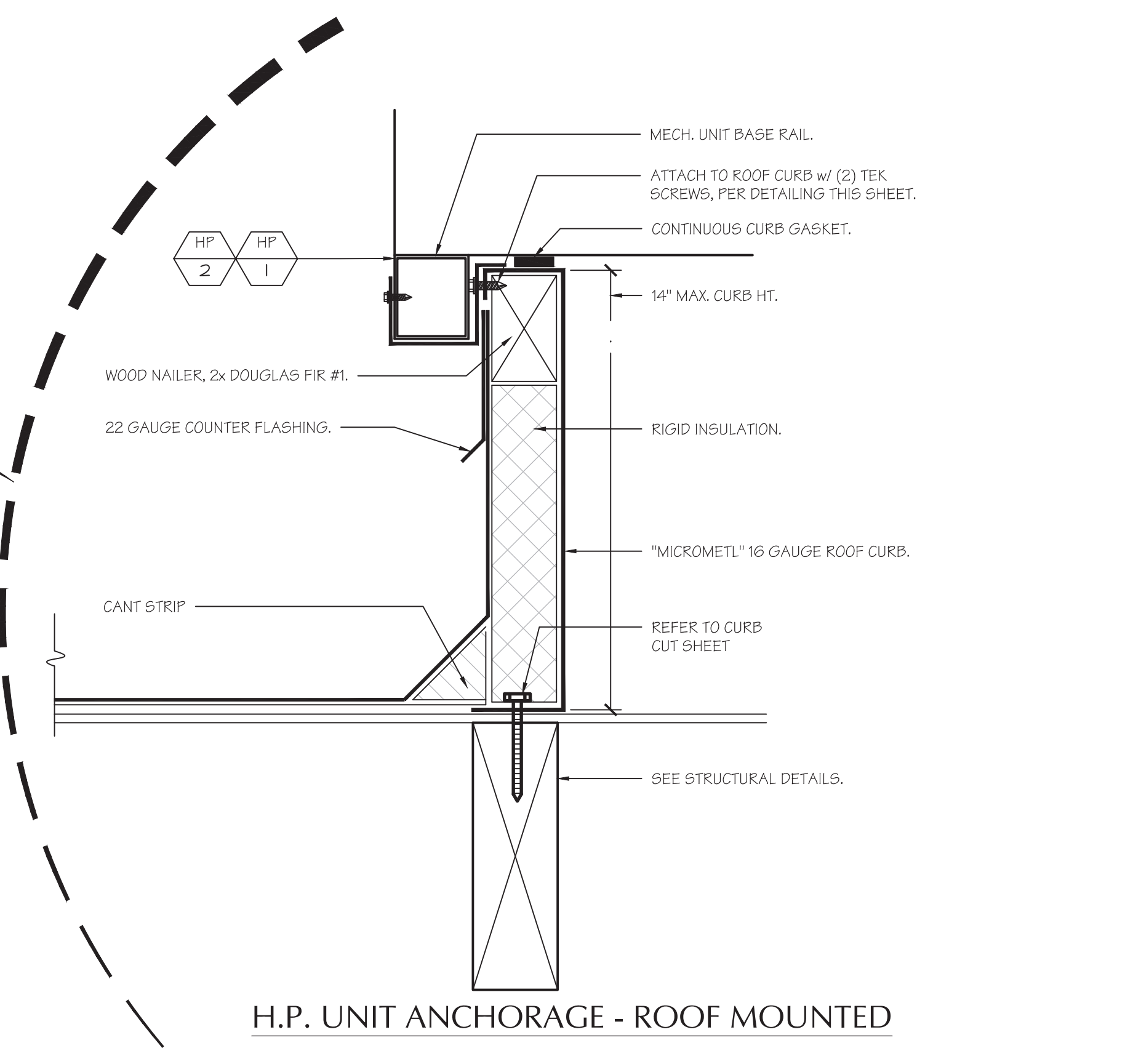
Master Revision: 0001A  
 Page Revision: 0001A

Indianapolis\_3035 N. Shadeland Ave., Indianapolis, IN 46228\_800 MMC HVAC - Sparks\_3025 Southern Way, Sparks, NV 89431\_300.804.4MMC - Longview\_201 Kotlan Blvd., Longview, TX 75002\_903.248.4800

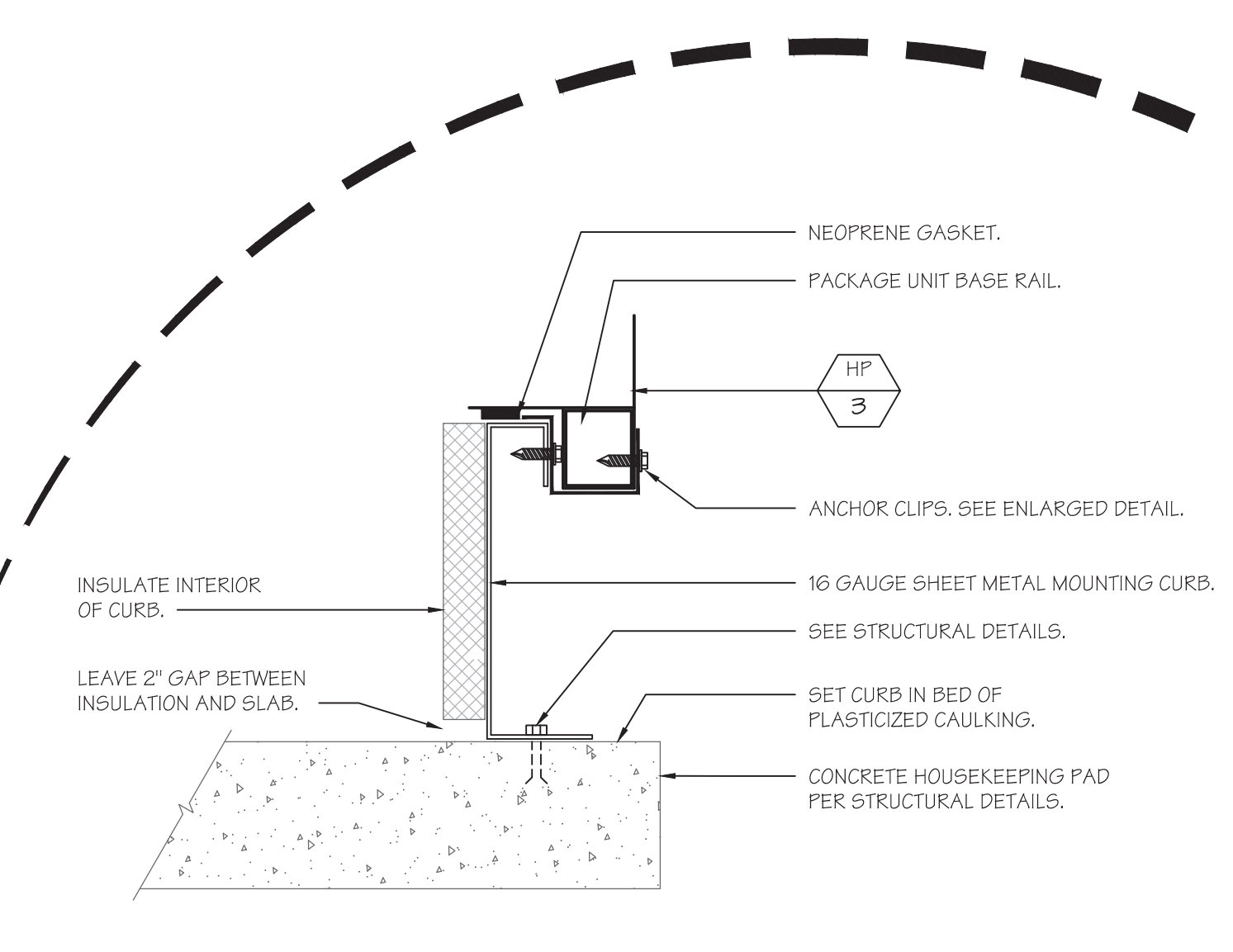
**5,6 TON HP UNIT CURB 843 lb. MAX UNIT WT.**



**DUCT WALL SUPPORT**  
 SCALE: N.T.S.



**H.P. UNIT ANCHORAGE - ROOF MOUNTED**



**H.P. UNIT ANCHORAGE - MOUNTED AT GRADE**

**H.P. UNIT ANCHORAGE**  
 SCALE: N.T.S.

**CAMPUS HVAC  
 SYSTEM UPGRADE**

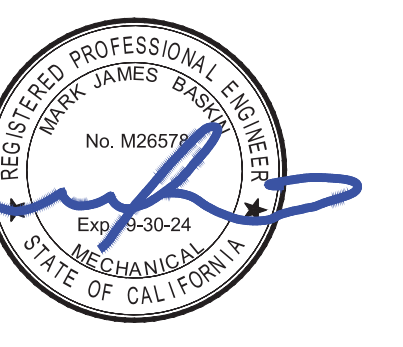
**Fremont Magnet  
 Elementary School**  
 607 Texas St Bakersfield, CA 93307  
 Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
 ARCHITECT C-19670

CONSULTANT



**PROJECT INFO**

Project No	566-0018
Date	09.14.22
DSA File No	15-6
DSA No	03-122640

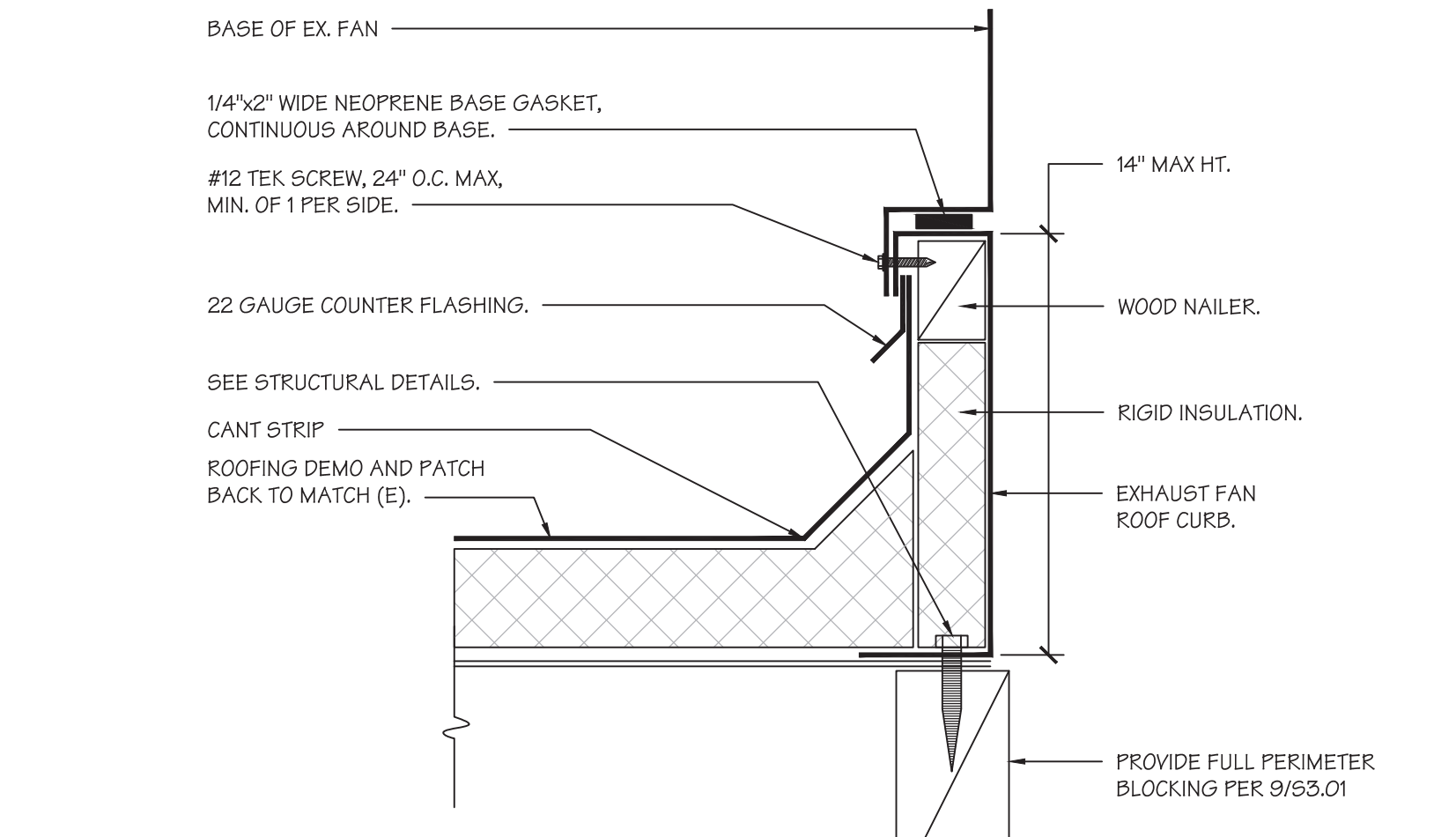
**REVISIONS**

No	Date	Item
△	00.00.08	DESCRIPTION

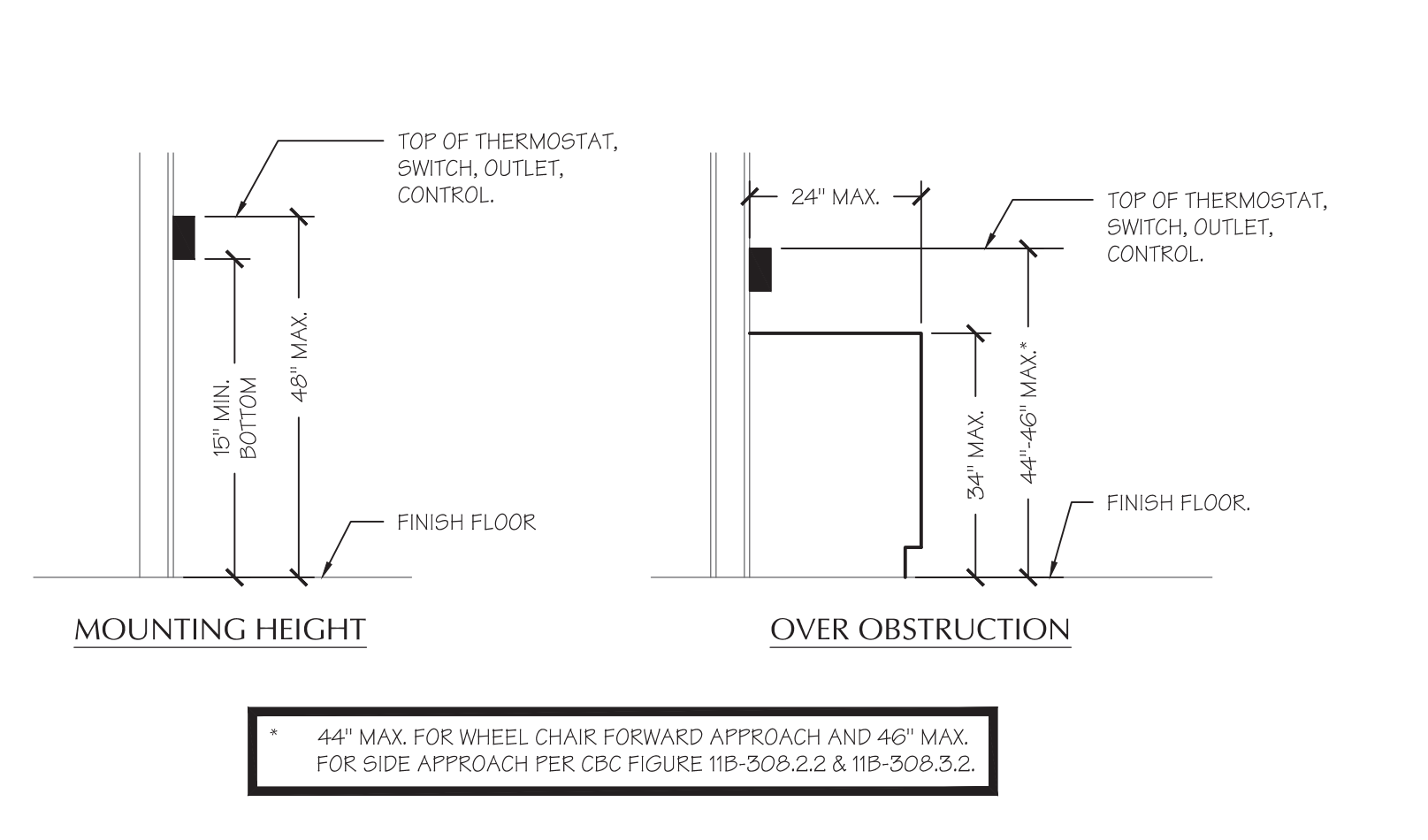
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED 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 11.03.23 16.46

MECHANICAL DETAILS

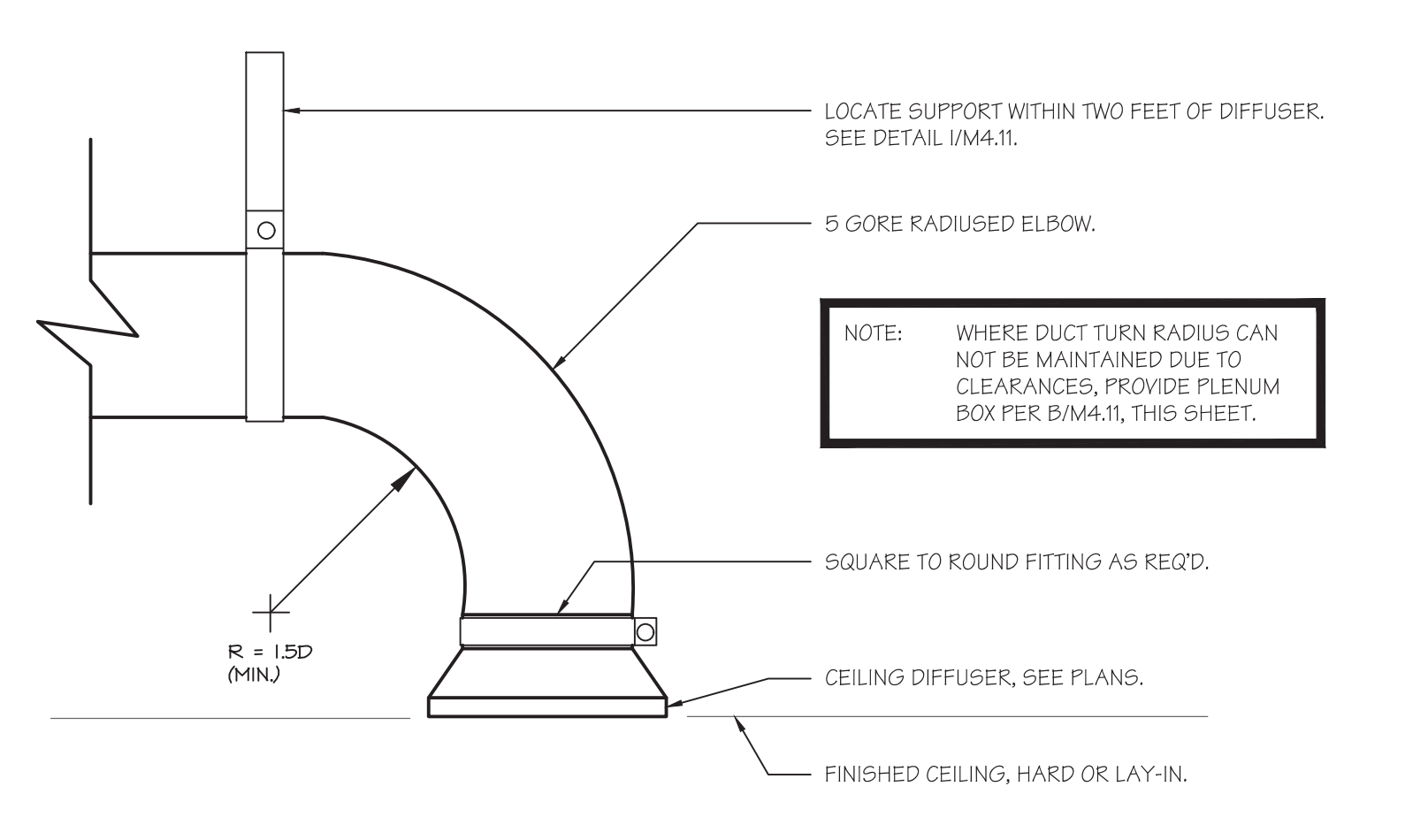
**M4.11**



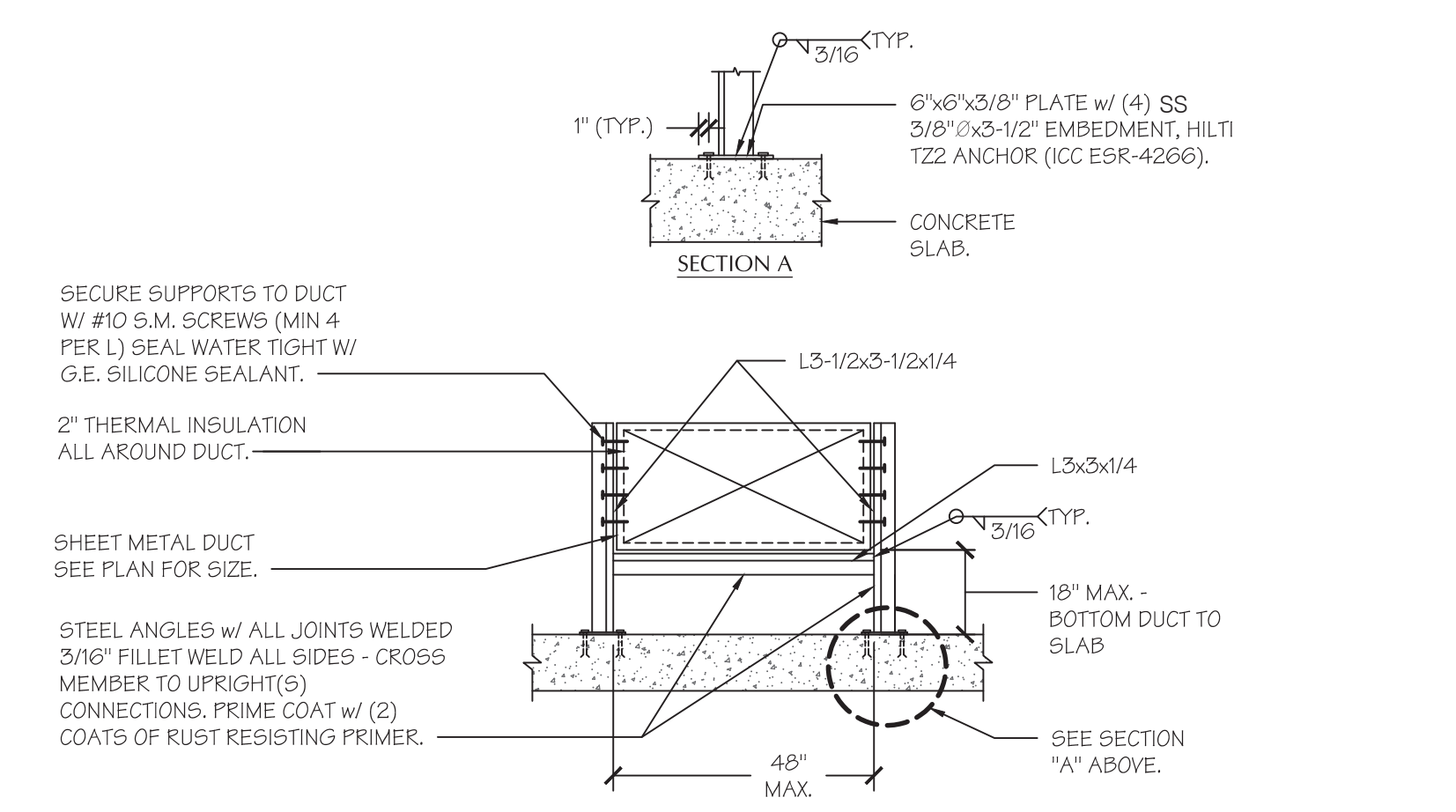
**EXHAUST FAN ANCHORAGE**  
 SCALE: N.T.S.



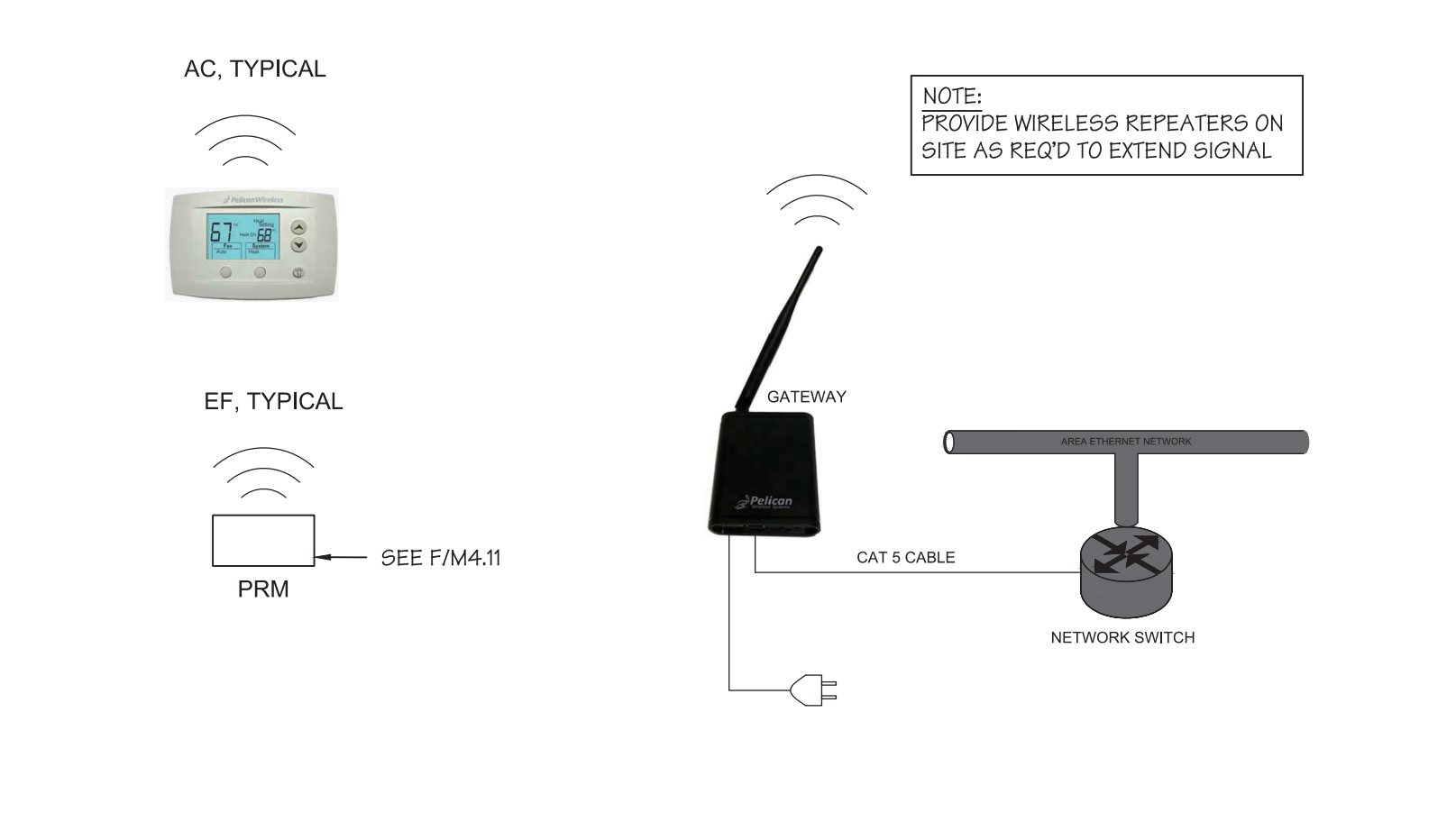
**THERMOSTAT MOUNTING LOCATION**  
 SCALE: N.T.S.



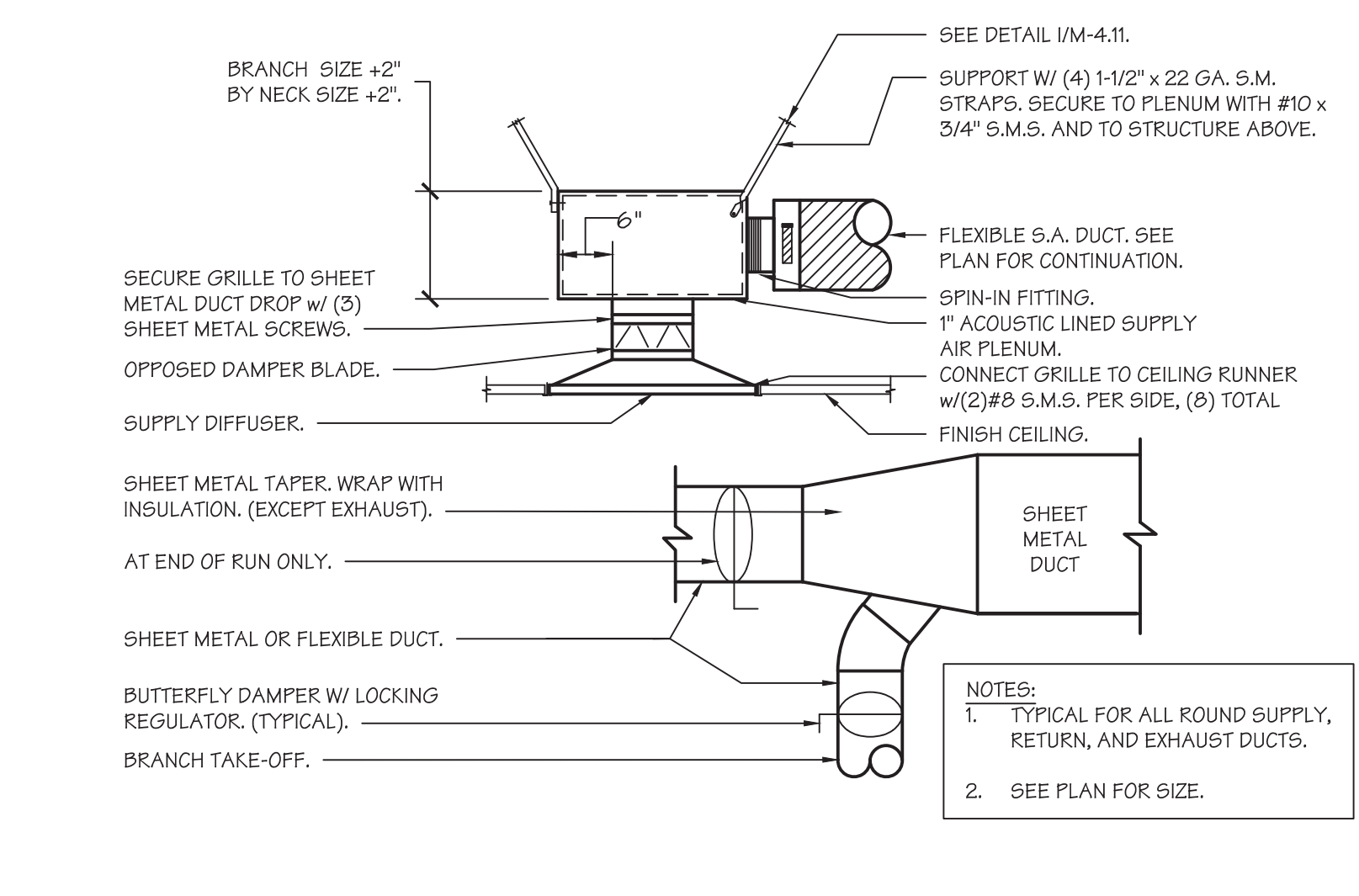
**CEILING DIFFUSER/REGISTER CONNECTION**  
 SCALE: N.T.S.



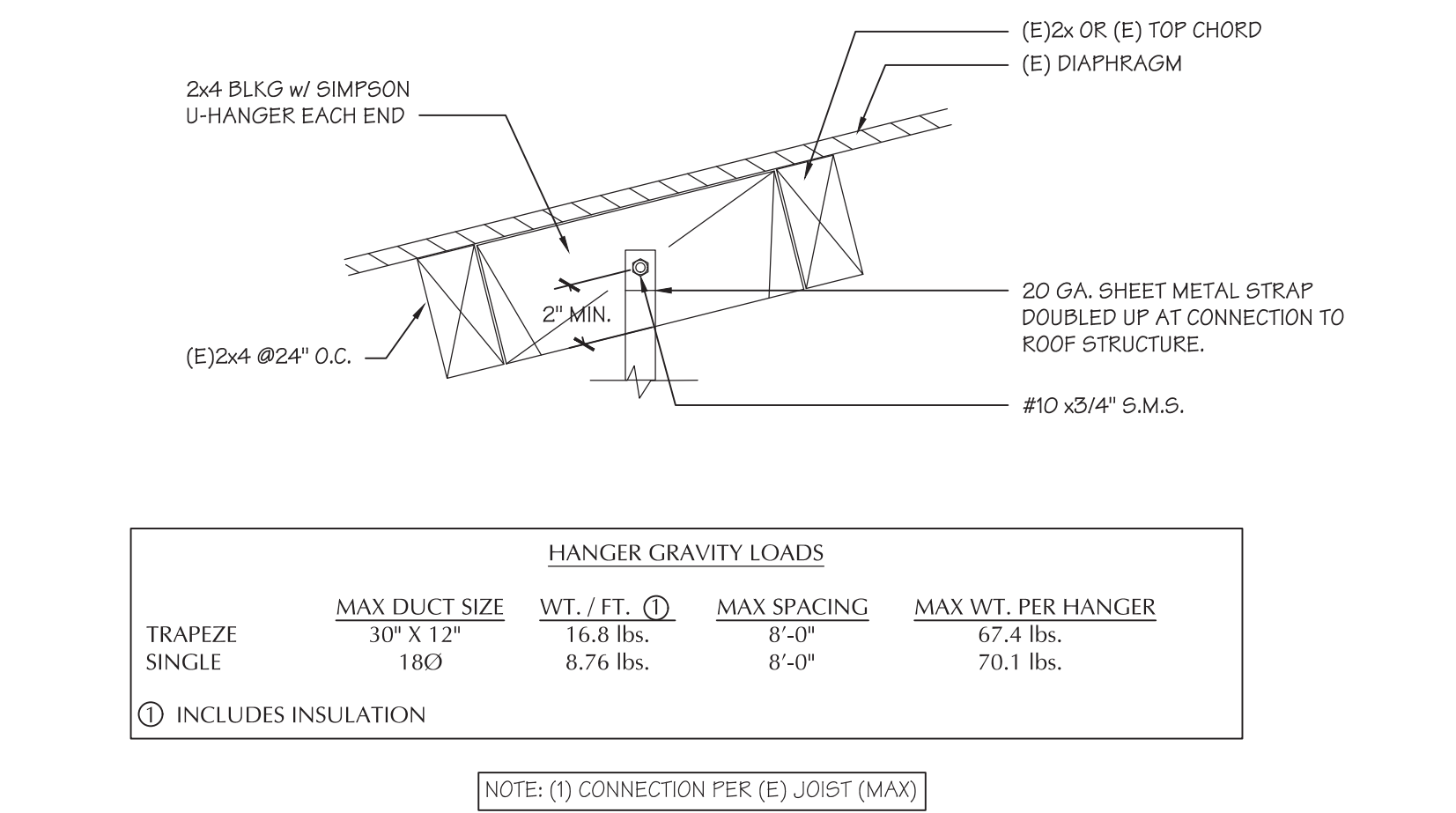
**DUCT SUPPORT AT GRADE**  
 SCALE: N.T.S.



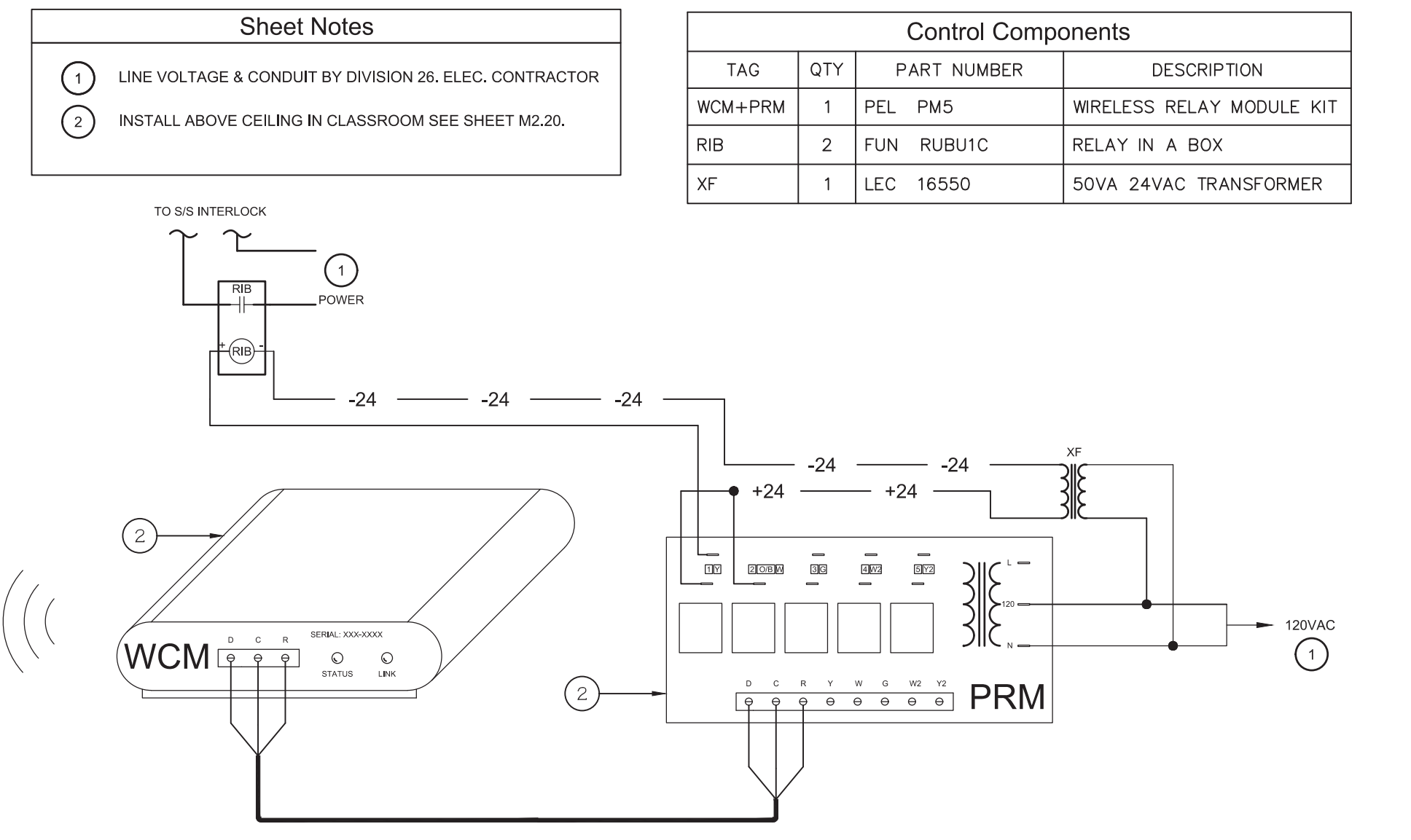
**LAN ARCHITECTURE**  
 SCALE: N.T.S.



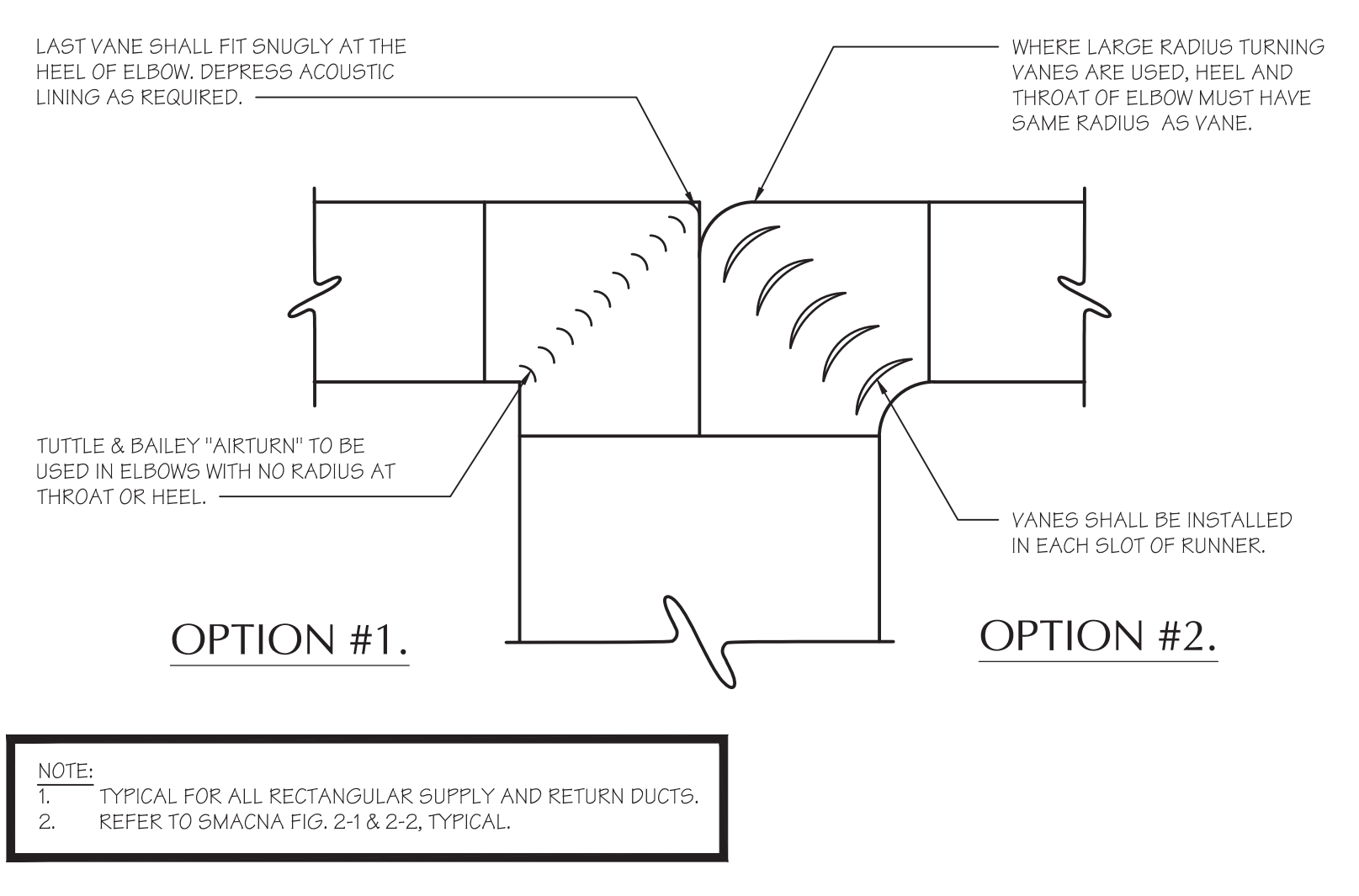
**SUPPLY AIR PLENUM & BRANCH TAKE-OFFS**  
 SCALE: N.T.S.



**DUCT HANGER UPPER ATTACHMENT**  
 SCALE: N.T.S.



**EX. FAN CONTROL DETAIL**  
 SCALE: N.T.S.



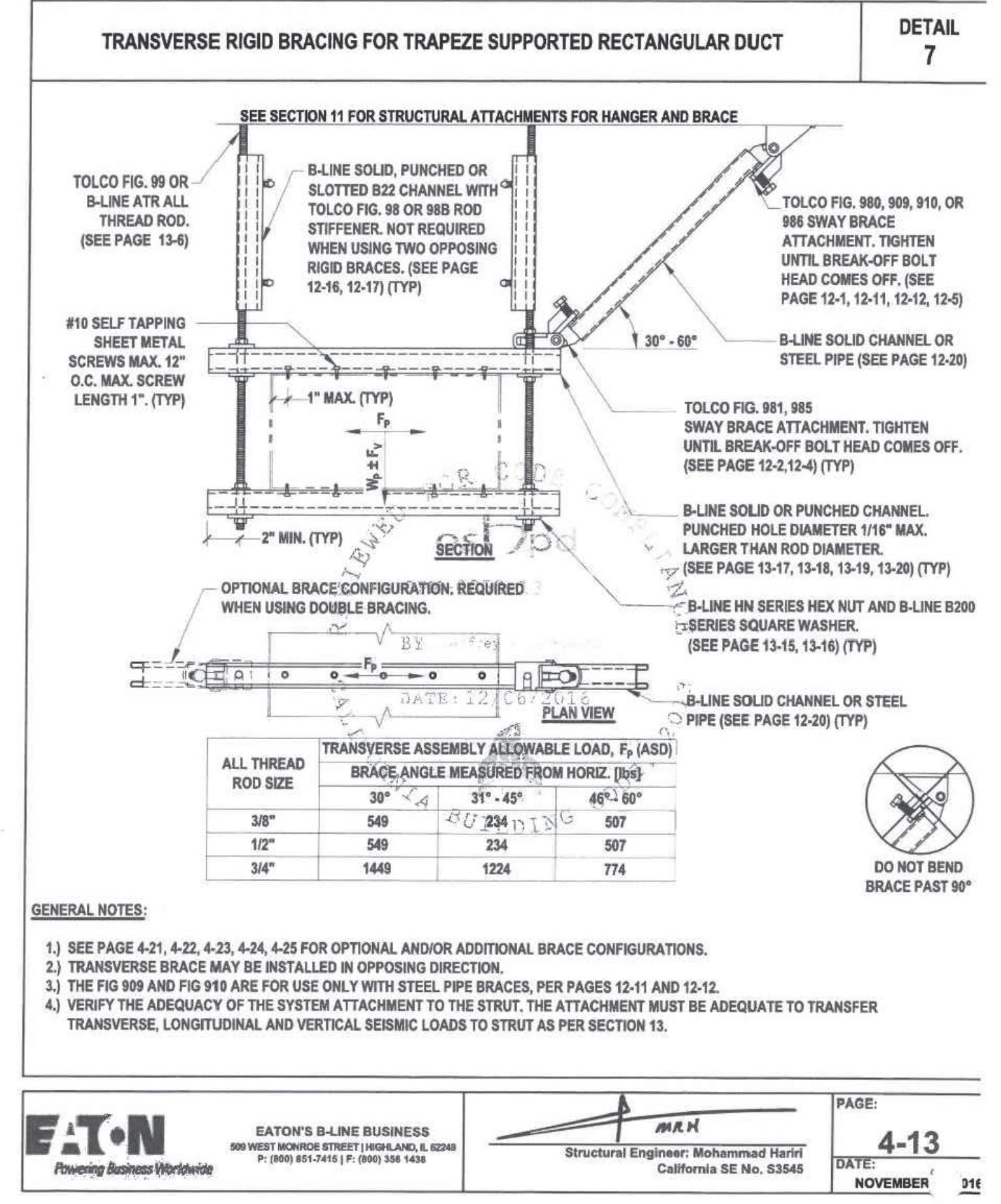
**NINETY DEGREE ELBOW**  
 SCALE: N.T.S.

PROJECT INFO	
Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	05-122640

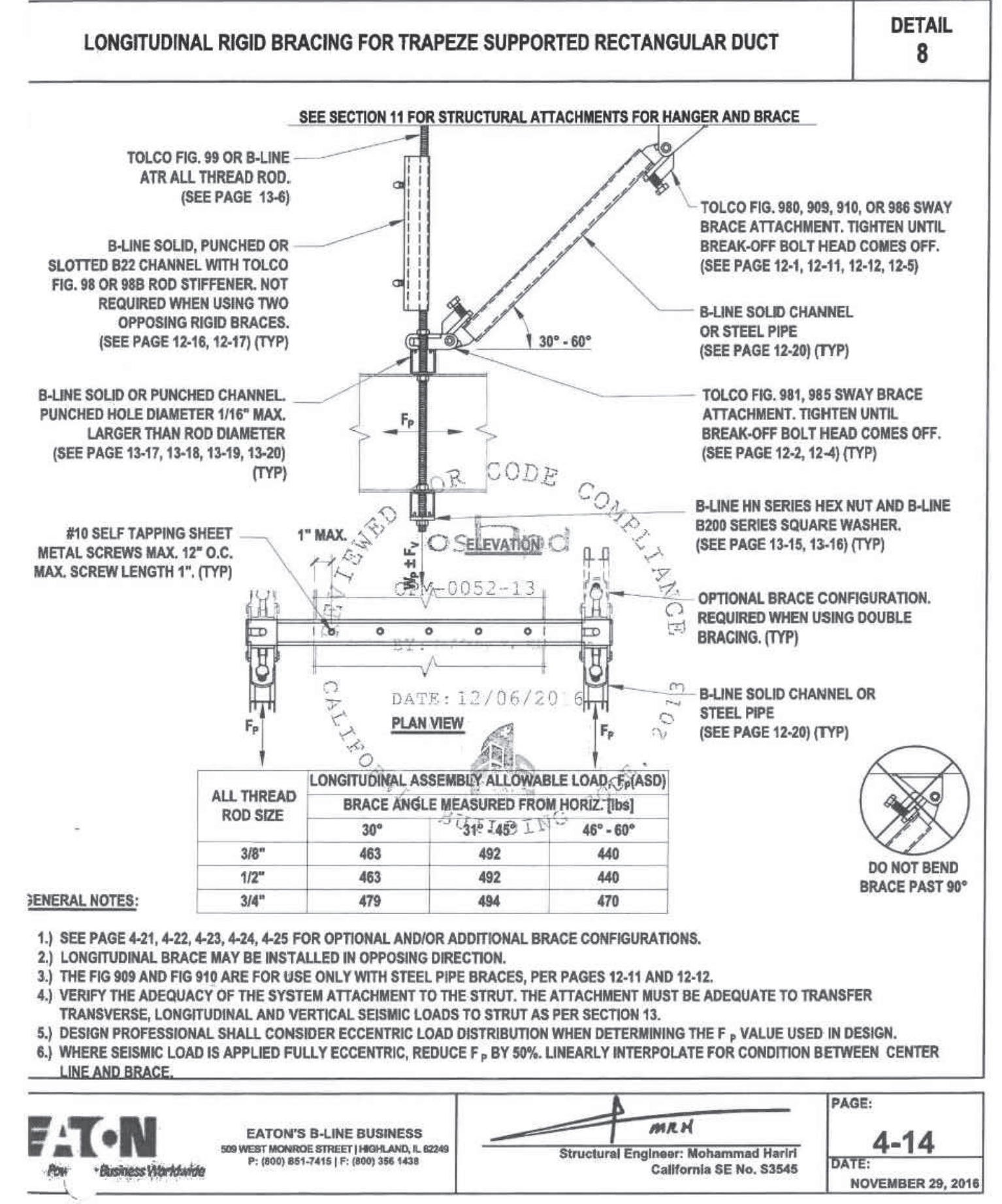
REVISIONS		
No	Date	Item
1	00.00.08	DESCRIPTION

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDITION PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE OF THE SPECIFIED PROJECT AND SHALL NOT BE USED FOR OTHER PURPOSES WITHOUT THE EXPRESSED 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.

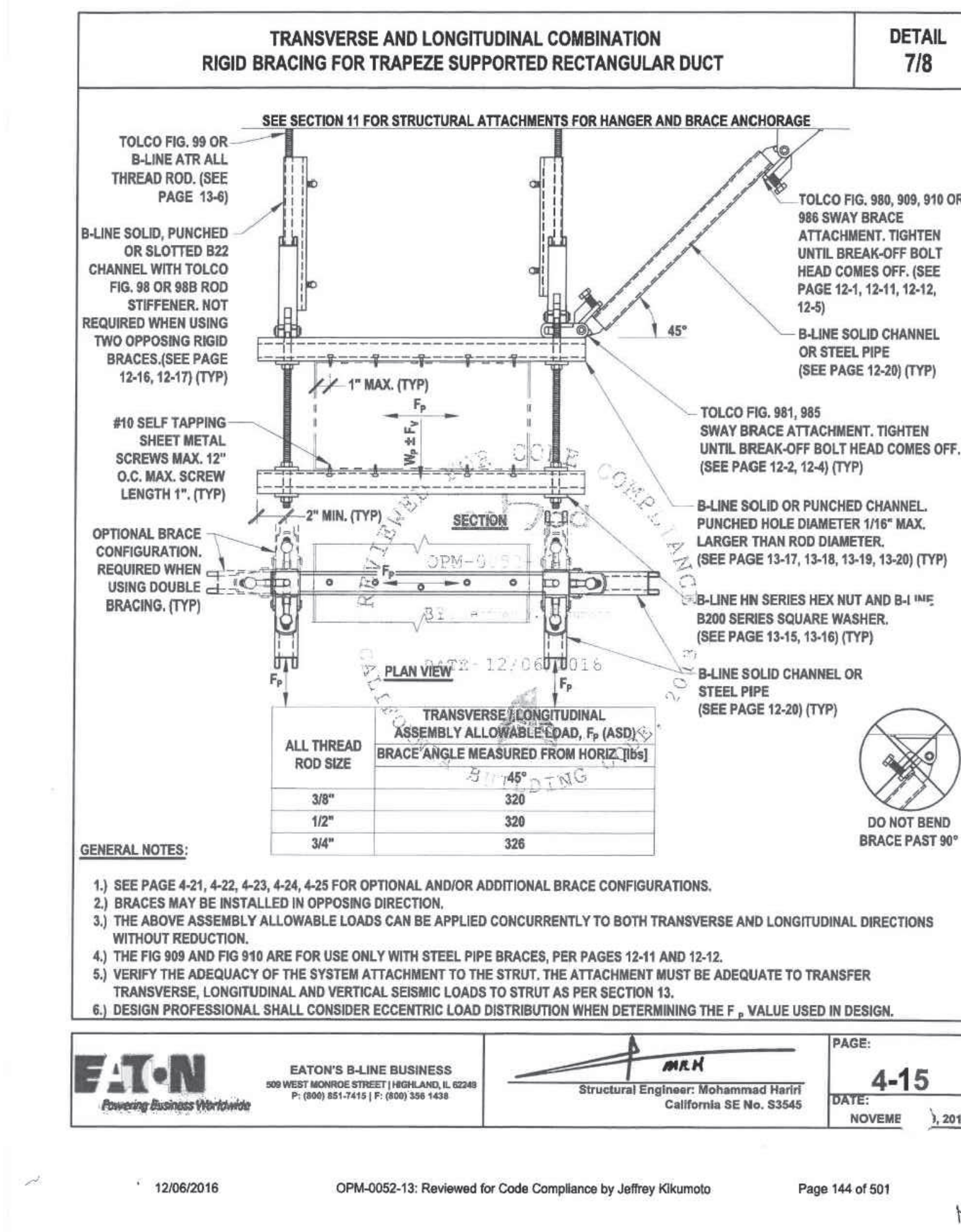
11.03.23.16.48



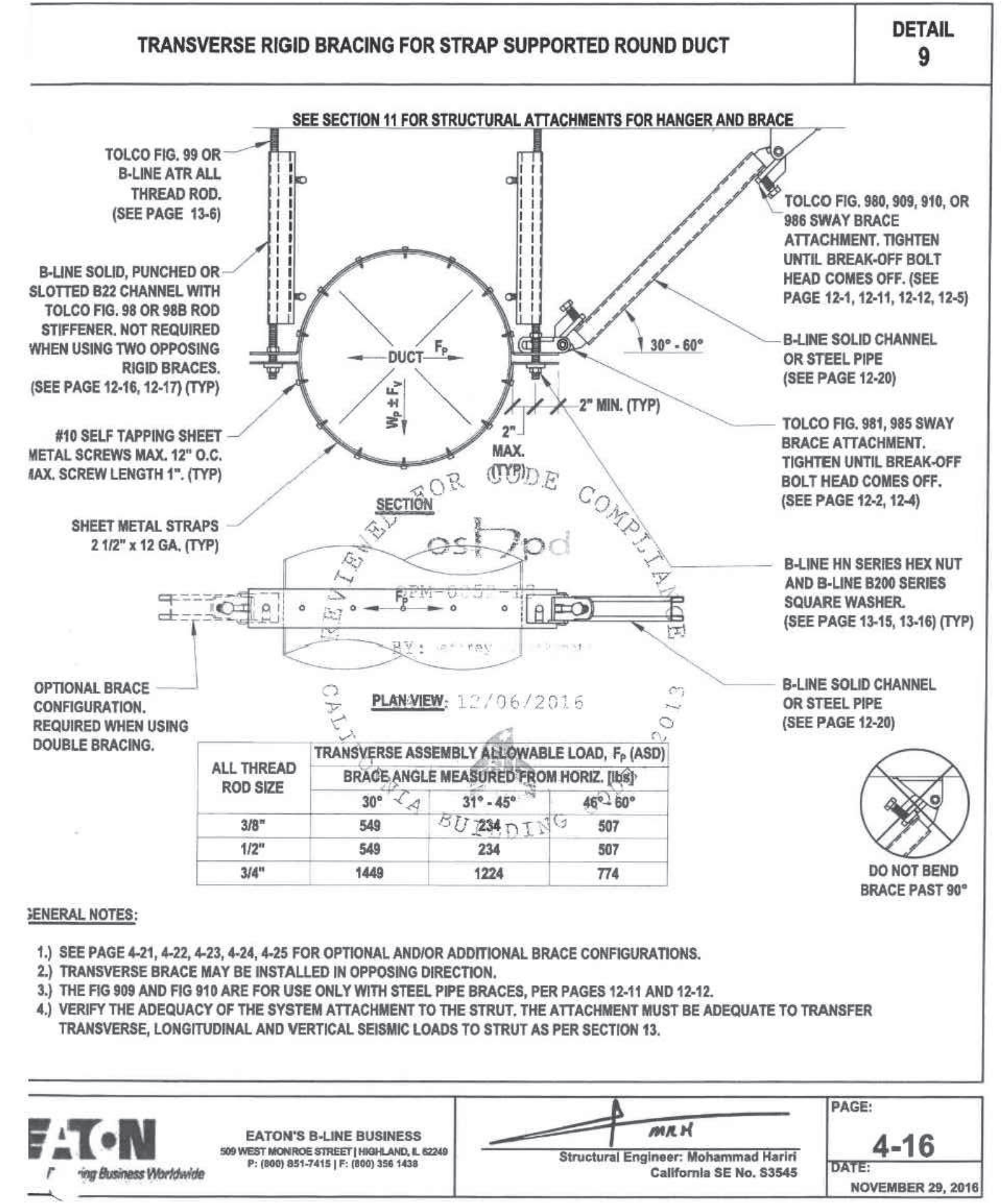
TRANSVERSE RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT  
SCALE: N.T.S. **A**



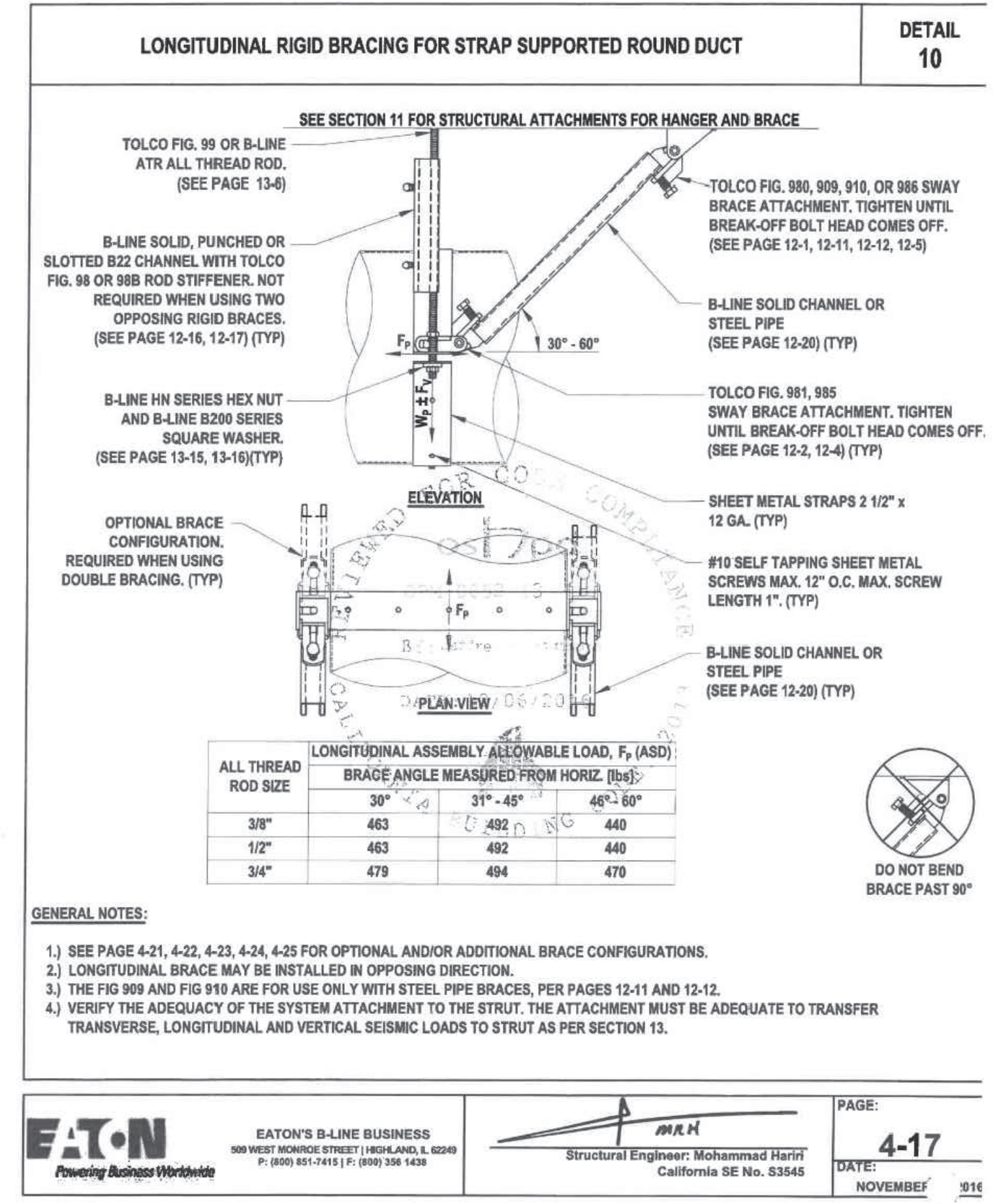
LONGITUDINAL RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT  
SCALE: N.T.S. **B**



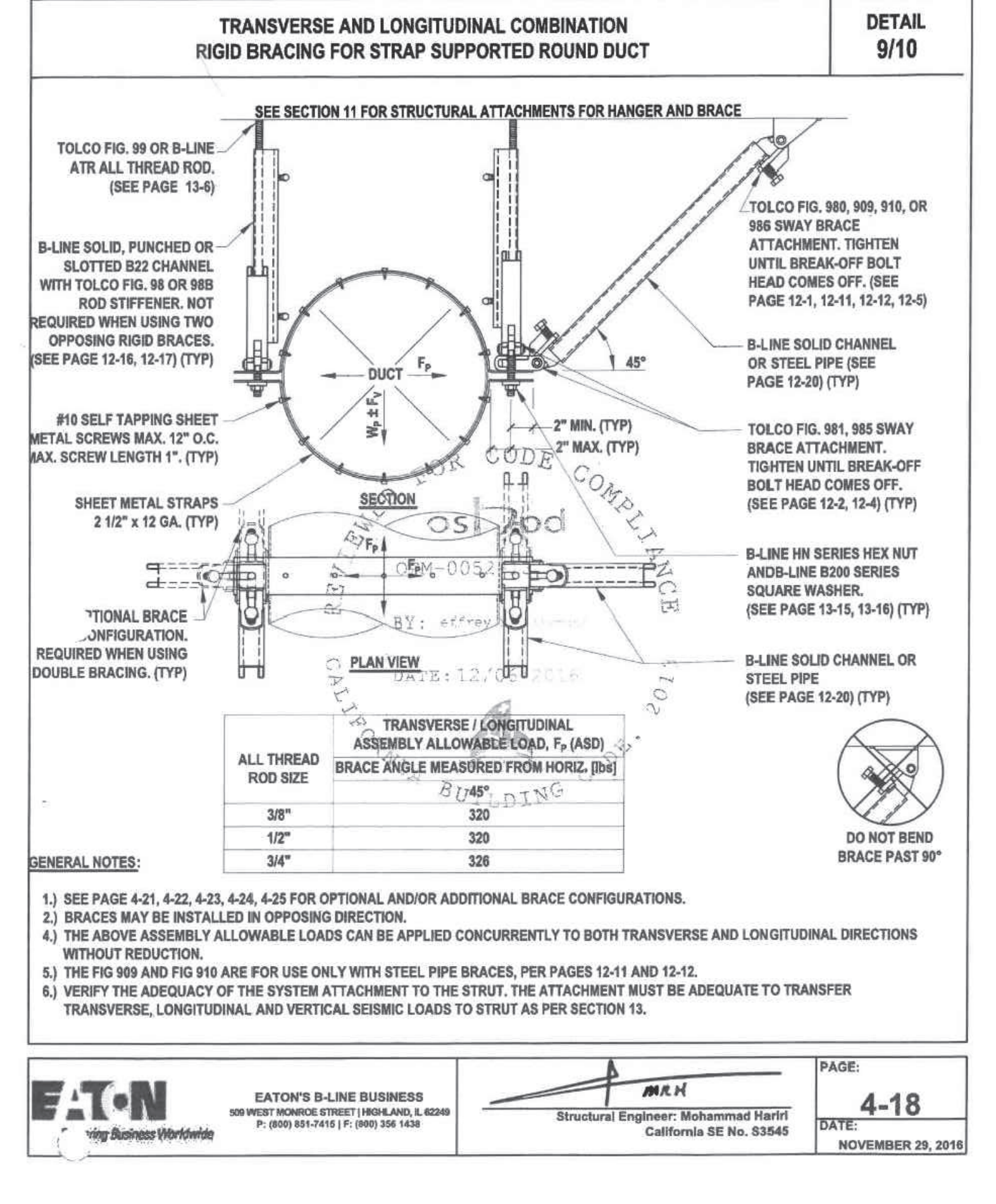
TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR TRAPEZE SUPPORTED RECTANGULAR DUCT  
SCALE: N.T.S. **C**



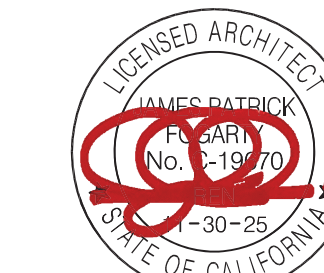
TRANSVERSE RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT  
SCALE: N.T.S. **D**



LONGITUDINAL RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT  
SCALE: N.T.S. **E**



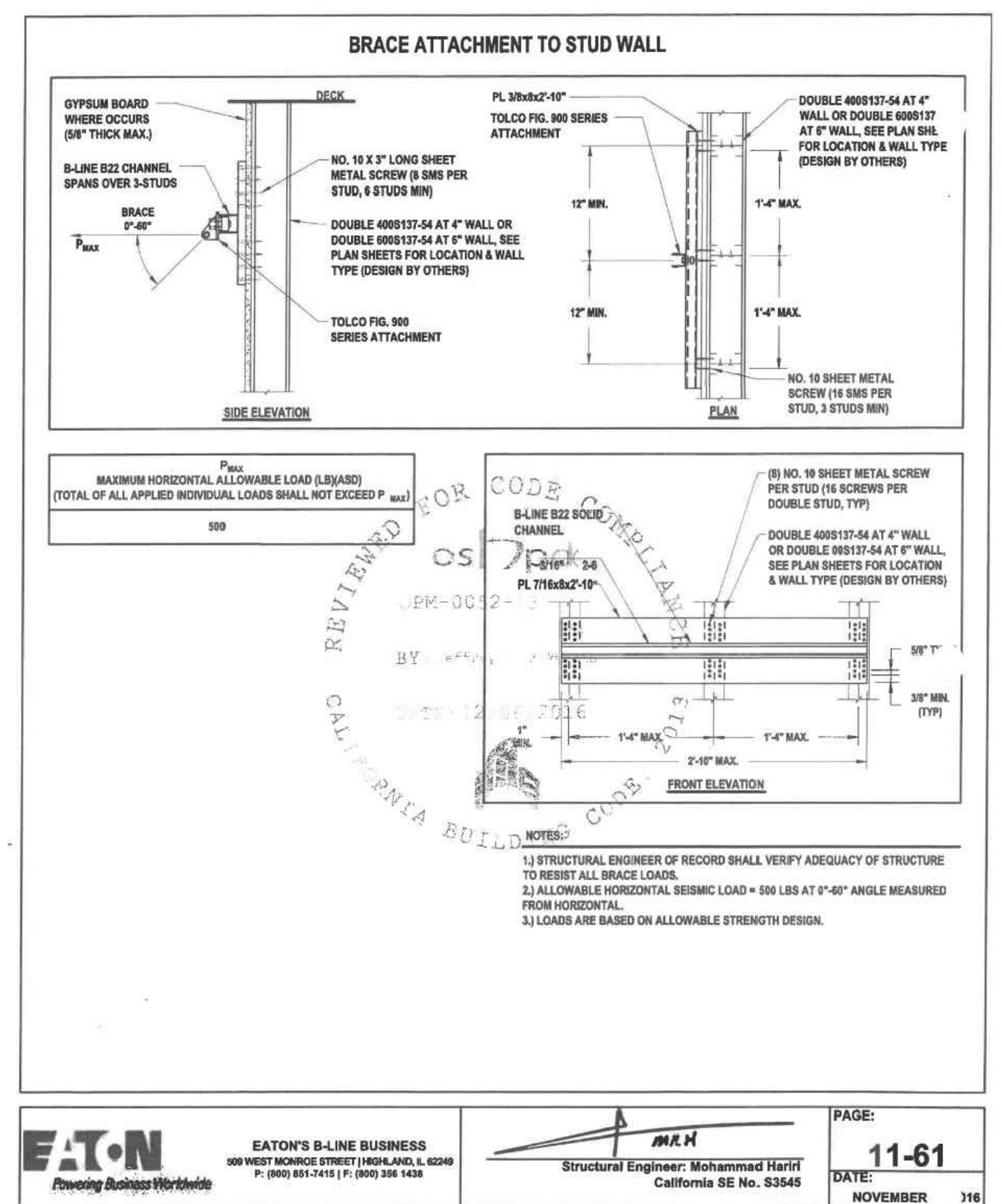
TRANSVERSE & LONGITUDINAL COMBINATION RIGID BRACING FOR STRAP SUPPORTED ROUND DUCT  
SCALE: N.T.S. **F**



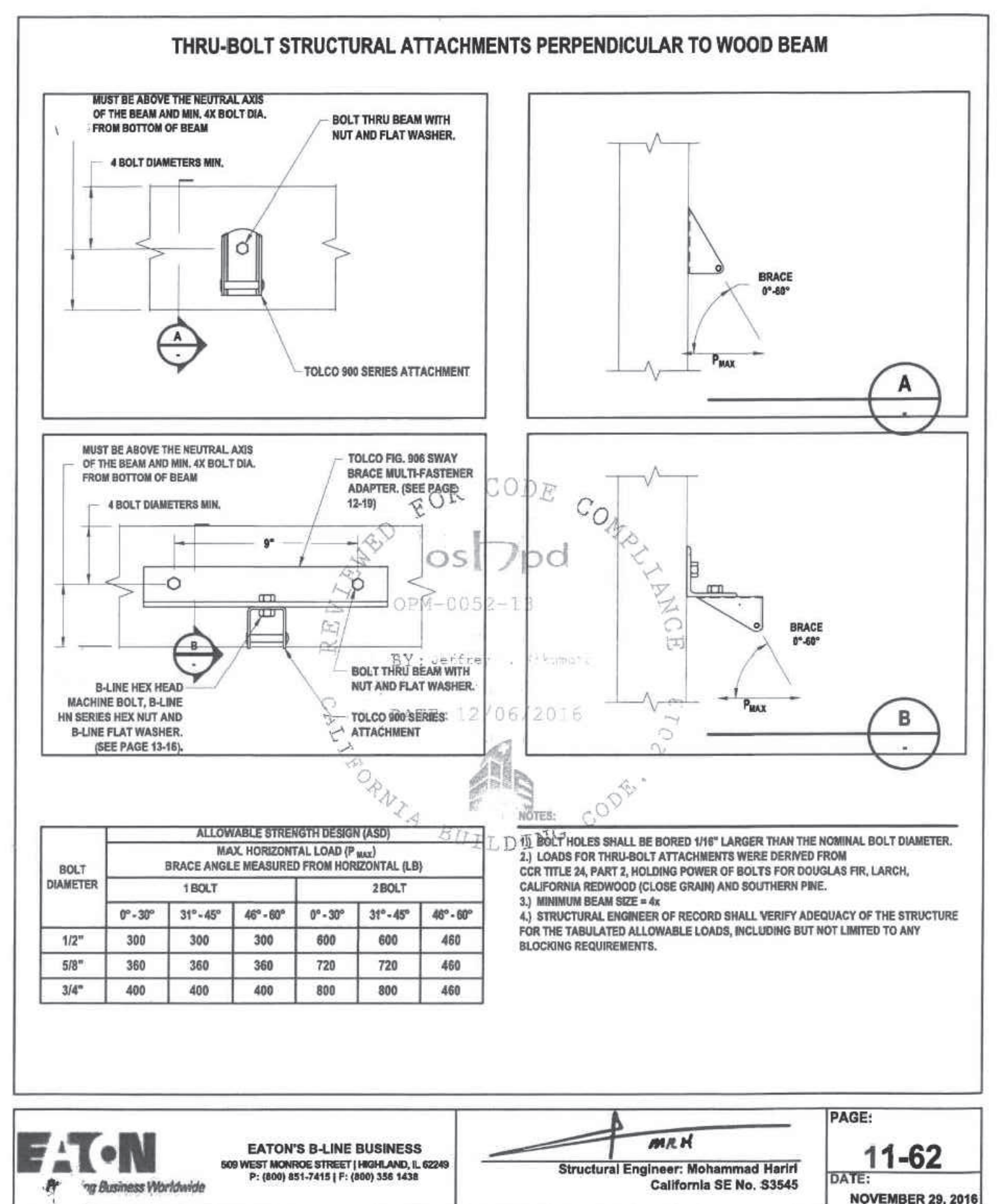
Project No	566-0018
Date	09.14.22
DSA File No	15-4
DSA No	03-122640

No	Date	Item
1	00.00.08	DESCRIPTION

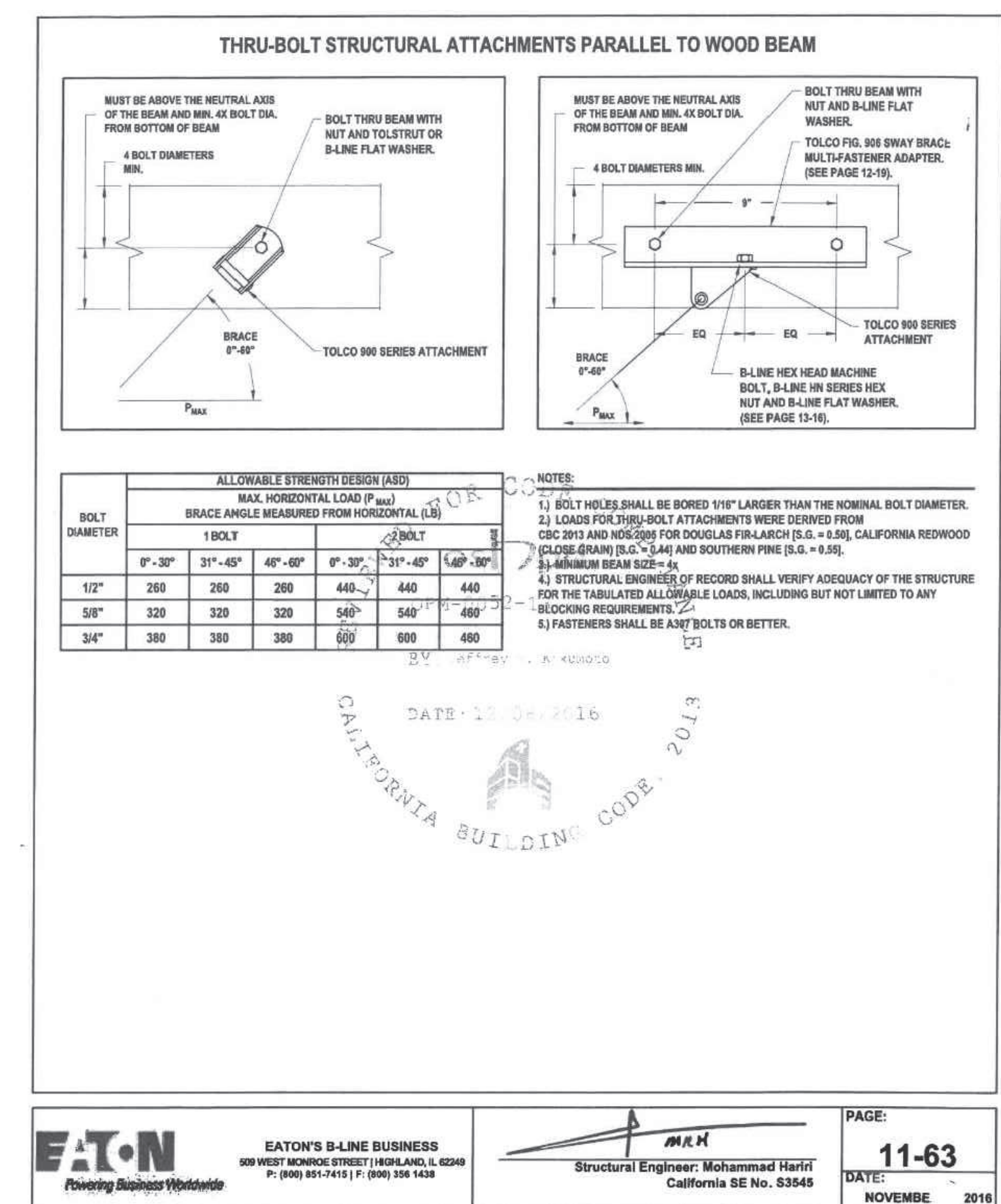
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED 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.  
 11.03.23.16.46



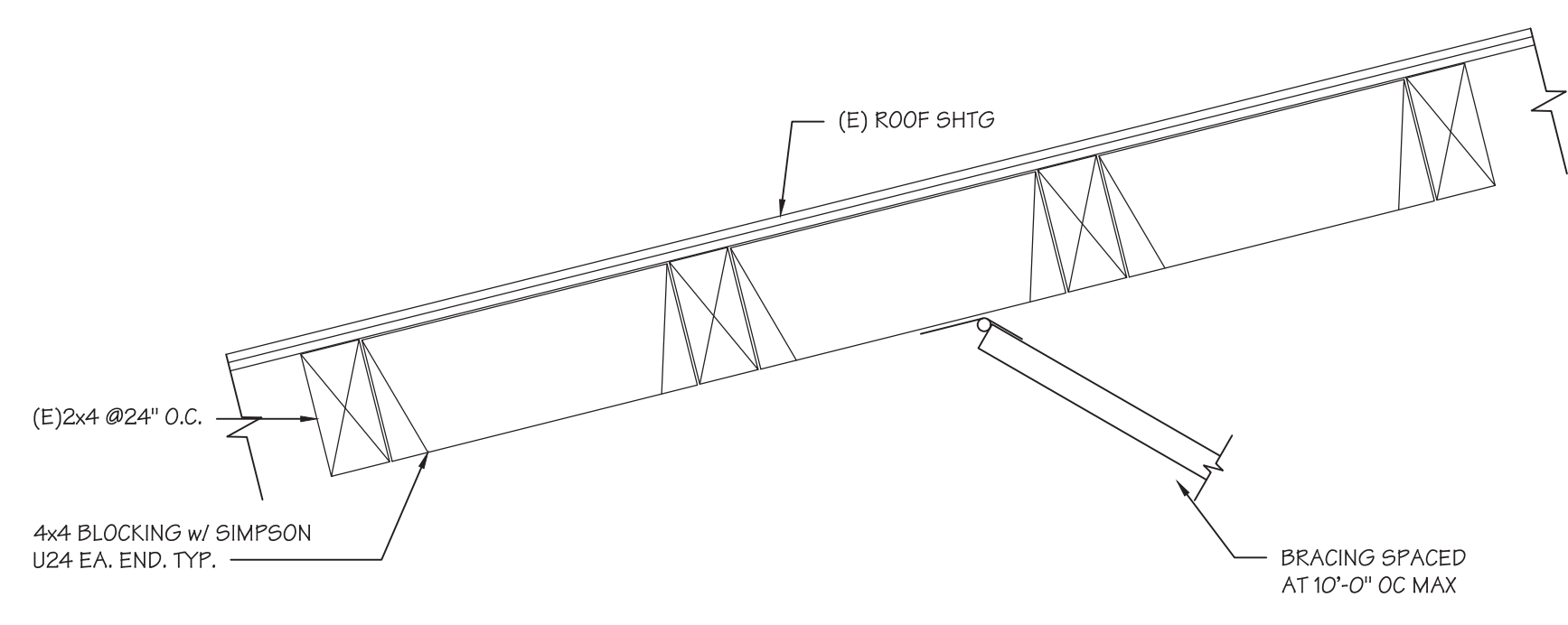
**BRACE ATTACHMENT TO STUD WALL**  
 SCALE: N.T.S.



**THRU-BOLT STRUCTURAL ATTACHMENTS PERPENDICULAR TO WOOD BEAM**  
 SCALE: N.T.S.



**THRU-BOLT STRUCTURAL ATTACHMENTS PARALLEL TO WOOD BEAM**  
 SCALE: N.T.S.



INSTALL ADDITIONAL BRACING ON EITHER SIDE OF THE BRACING FOR BRACE, AND MAINTAIN BRACES AT A MAXIMUM OF 10'-0\"/>

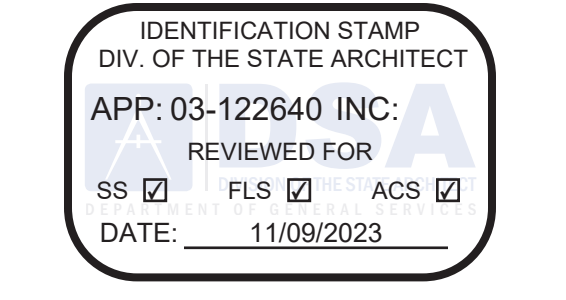
BRACING TABLE	
BRACE	MAX SPACING
TRANSVERSE	30'-0"
LONGITUDINAL	60'-0"

NOTES:  
 1. EACH STRAIGHT RUN OF 10'-0\"/>

NOTE: (1) CONNECTION PER (E) JOIST (MAX)

**BRACING FOR BRACE CONN.**  
 SCALE: N.T.S.





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

CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School 607 Texas St Bakersfield, CA 93307 Bakersfield City School District

ARCHITECT



CONSULTANT



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

REVISIONS table with columns for No, Date, Item

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDITION PARTNERSHIP...

MECHANICAL TITLE 24 SHEETS - BUILDING C, D, E



BASKIN MECHANICAL ENGINEERS 175 Fulton Street Fresno, CA 93721 Tel: (559) 237-0376 Job: 22013 PIt: 10-05-23

M5.10

Project Information table for Fremont School Bld C / D / E, Page 1 of 13

A. GENERAL INFORMATION table with columns for Project Location, CA Zip Code, Climate Zone, etc.

B. PROJECT SUMMARY table with columns for Building Components Complying via Performance, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only) table with columns for Surface Orientation, Area, Fenestration Area, etc.

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 with columns for Surface Name, Surface Type, Area, Framing Type, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

H3. EXHAUST FAN SUMMARY table with columns for Zone Name, Ventilation Function, etc.

H4. Wet System Equipment (boilers, chillers, cooling towers, etc.) table with columns for System Name, Equipment Type, etc.

H5. PUMPS table with columns for System Name, Equipment Type, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Project Information table for Fremont School Bld C / D / E, Page 2 of 13

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr) table with columns for Energy Component, Standard Design, Proposed Design, etc.

C2. RESULTS FOR ABOVE CODE QUALIFICATIONS table with columns for Miscellaneous Energy Component, Standard Design, Proposed Design, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns for Surface Name, Surface Type, Area, Framing Type, etc.

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

G5. FENESTRATION ASSEMBLY SUMMARY table with columns for Fenestration Assembly Name, Fenestration Type, etc.

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

G6. OVERHANG DETAILS table with columns for Fenestration Tag/ID, Orientation, Depth, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

H7. NONRESIDENTIAL VENTILATION table with columns for Zone Name, Ventilation Function, etc.

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION table with columns for Zone Name, Ventilation Function, etc.

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY table with columns for System ID, Zone Name, System Type, etc.

H10. EVAPORATIVE COOLER SUMMARY table with columns for Zone Name, Ventilation Function, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Project Information table for Fremont School Bld C / D / E, Page 3 of 13

C3. ENERGY USE SUMMARY table with columns for Energy Component, Standard Design Site, Proposed Design Site, etc.

D. EXCEPTIONAL CONDITIONS table with columns for Equipment Name, Equipment Type, etc.

E. HERS VERIFICATION table with columns for Equipment Name, Equipment Type, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers, etc.) table with columns for Equipment Name, Equipment Type, etc.

H2. FAN SYSTEMS SUMMARY table with columns for Name or Item Tag, Qty, Design OA, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

H11. HEAT RECOVERY SUMMARY table with columns for Equipment Name, Equipment Type, etc.

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO table with columns for Occupancy Type, Conditioned Floor Area, etc.

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS table with columns for Building Level Controls, Area Level Controls, etc.

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

CA Building Energy Efficiency Standards-2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 10 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 11 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 12 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

**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: [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/)

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: [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/)

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 §120.16(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: 2022-08-29 11:50:44

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44

Project Name:	Fremont School Bld C / D / E	NRCC-PRF-01-E	Page 13 of 13
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	11:50, Mon, Aug 29, 2022
Input File Name:	Fremont T24.cibd19x		

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
I certify that the completion of compliance documentation is accurate and complete.

Documentation Author Name: Mark Baskin  
Company: Baskin Mechanical Engineers  
Address: 175 Fulton St.  
City/State/Zip: Fresno CA 93721  
Phone: 5592370376

Signature: **Mark Baskin, P.E.**  
Signature Date: 2022-08-29  
CEA/HERS Certification Identification (if applicable): M26578

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
I certify the following under penalty of perjury under the laws of the State of California:

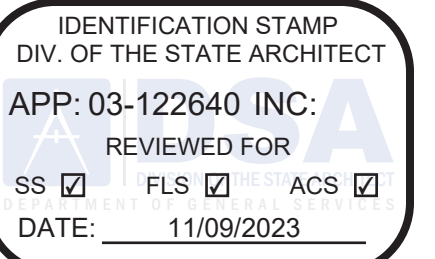
- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- The energy features 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.
- 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.
- 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.

**Responsible Envelope Designer Name:** \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Title: \_\_\_\_\_ License #: \_\_\_\_\_

**Responsible Lighting Designer Name:** \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Title: \_\_\_\_\_ License #: \_\_\_\_\_

**Responsible Mechanical Designer Name:** Mark Baskin, P.E.  
Company: Baskin Mechanical Engineers  
Address: 5500 Ming Avenue, #251  
City/State/Zip: Bakersfield CA 93309  
Phone: (661) 397-2114  
Signature: **Mark Baskin, P.E.**  
Date Signed: **08-29-2022**  
Title: **P.E.** License #: M26578

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 11:50:44



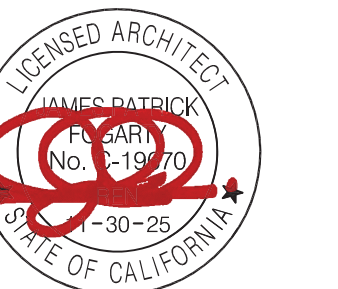
3434 Truxtun Avenue, Suite 240  
Bakersfield, California 93301  
tel|661.327.1690 fax|661.327.7204  
web|www.aparchitects.net

## CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet  
Elementary School

607 Texas St Bakersfield, CA 93307  
Bakersfield City School District

ARCHITECT



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-19670

CONSULTANT



### PROJECT INFO

Project No	566-0018
Date	08.14.22
DSA File No	15-6
DSA No	03-122640

### REVISIONS

No	Date	Item
△	00.00.08	DESCRIPTION

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 11.03.23 16:46

MECHANICAL TITLE 24 SHEETS -  
BUILDING C, D, E

# M5.11



**BASKIN  
MECHANICAL  
ENGINEERS**

175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22013  
Pit: 10-05-23



Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 10 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cibd19x		

**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: [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCI/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/)

Building Component	Form/Title
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings

Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 11 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cibd19x		

**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: [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/)

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 S233.1(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	

Project Name:	Fremont School Bld R19 & R20	NRCC-PRF-01-E	Page 12 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:36, Mon, Aug 29, 2022
Input File Name:	Fremont R19 & 20 T24.cibd19x		

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

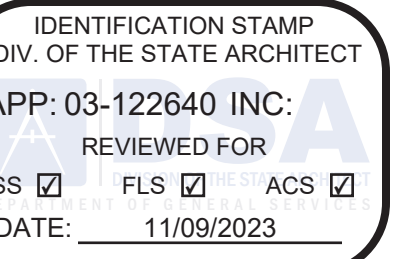
Documentation Author Name: Mark Baskin	Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 2022-08-29
Address: 175 Fulton St.	CEA/HERS Certification Identification (if applicable): M26578
City/State/Zip: Fresno CA 93721	
Phone: 5592370376	

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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.

Responsible Envelope Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title:
Phone:	License #:
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title:
Phone:	License #:
Responsible Mechanical Designer Name: Mark Baskin, P.E.	Signature: Mark Baskin, P.E.
Company: Baskin Mechanical Engineers	Signature Date: 08-29-2022
Address: 5500 Ming Avenue, #251	
City/State/Zip: Bakersfield CA 93309	Title: P.E.
Phone: (661) 397-2114	License #: M26578



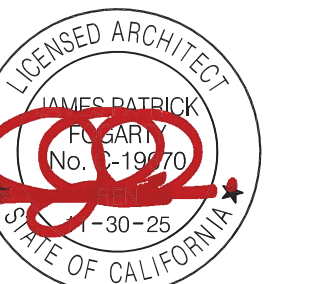
3434 Truxtun Avenue, Suite 240  
Bakersfield, California, 93301  
tel|661.327.1690 fax|661.327.7204  
web|www.oparchitects.net

**CAMPUS HVAC SYSTEM UPGRADE**

Fremont Magnet Elementary School

607 Texas St Bakersfield, CA 93307  
Bakersfield City School District

**ARCHITECT**



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-19670

**CONSULTANT**



**PROJECT INFO**

Project No	566-0018
Date	08.14.22
DSA File No	154
DSA No	03-122640

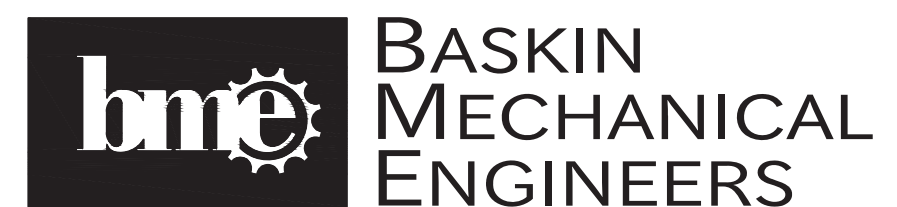
**REVISIONS**

No	Date	Item
△	00.00.08	DESCRIPTION

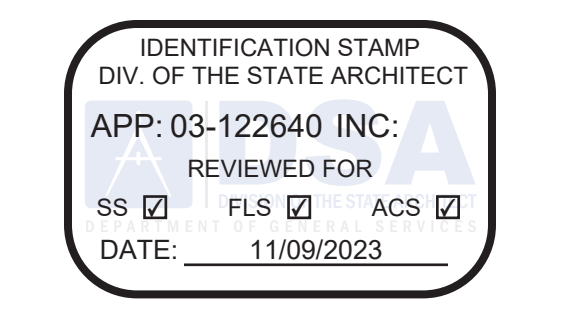
THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE ADDINGTON PARTNERSHIP. ALL DESIGNS AND DRAWINGS ARE FOR THE USE ON THE SPECIFIED PROJECT AND SHALL NOT BE USED OTHERWISE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ADDINGTON PARTNERSHIP. WRITTEN SHALL HAVE PRECEDENCE OVER SCALED 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 11.03.23 16:46

MECHANICAL TITLE 24 SHEETS - BUILDING R19 & R20

**M5.13**



175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22013  
Plt: 10-05-23



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

### CAMPUS HVAC SYSTEM UPGRADE

Fremont Magnet Elementary School  
607 Texas St 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, DESCRIPTION

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...

MECHANICAL TITLE 24 SHEETS - BLDG F

M5.14



BASKIN MECHANICAL ENGINEERS  
175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22013  
Pit: 10-05-23

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

C3. ENERGY USE SUMMARY table with columns: Energy Component, Standard Design Site (MWh), Proposed Design Site (MWh), Margin (MWh), Standard Design Site (MBtu), Proposed Design Site (MBtu), Margin (MBtu)

D. EXCEPTIONAL CONDITIONS  
The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

E. HERS VERIFICATION  
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers, etc.) table with columns: Equipment Name, Equipment Type, Qty, Heating, Cooling, Economizer Type (if present)

H2. FAN SYSTEMS SUMMARY table with columns: Name or Item Tag, Qty, Design OA, Supply Fan, Return Fan, Control

H3. EXHAUST FAN SUMMARY  
This Section Does Not Apply

H4. Wet System Equipment(boilers,chillers,cooling towers,etc.)  
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS table with columns: Building Level Controls, Mandatory Demand Response \$110.12(c), Shut-Off Controls \$130.1(c), Area Level Controls

Area Level Controls table with columns: Area Description, Area Category Primary Function Area, Area Controls 130.1(a), Multi-Level Controls 130.1(b), Shut-Off Controls 130.1(c), Primary Daylighting 130.1(d), Secondary Daylighting 140.5(d)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr) table with columns: Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV)

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS table with columns: Miscellaneous Energy Component, Standard Design (TDV), Proposed Design (TDV), Compliance Margin (TDV)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns: Surface Name, Surface Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers

G5. FENESTRATION ASSEMBLY SUMMARY table with columns: Fenestration Assembly Name / Tag or I.D., Fenestration Type / Product Type / Frame Type, Certification Performance, Assembly Method, Area ft², Overall U-factor, Overall SHGC, Overall VT

G6. OVERHANG DETAILS table with columns: Fenestration Tag/ID, Orientation, Depth(ft), Height from Bottom of Sill to Overhang(ft), Right Extent(ft), Left Extent(ft)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY table with columns: System ID, Zone Name, System Type, Qty, Rated Capacity (kBtu/h), Airflow (cfm), Fan, Power Units, Cycles, VSD

H10. EVAPORATIVE COOLER SUMMARY  
This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY  
This Section Does Not Apply

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO table with columns: Occupancy Type, Conditioned Floor Area (ft²), Installed Lighting Power (Watts), Lighting Control Credits (Watts), Additional (Custom) Allowance

1 See Table 140.6-C  
2 See NRCC-0101.6 for unconditioned spaces  
3 Lighting information for existing spaces modeled is not included in the table

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

A. GENERAL INFORMATION table with columns: 1 Project Location (city), 2 CA Zip Code, 3 Climate Zone, 4 Total Conditioned Floor Area in Scope, 5 Total Unconditioned Floor Area, 6 Total # of Stories (Habitable Above Grade), 7 Total # of dwelling units

B. PROJECT SUMMARY  
Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

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

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only) table with columns: 1 Opaque Surfaces & Orientation, 2 Total Gross Surface Area (ft²), 3 Total Fenestration Area (ft²), 4 Window to Wall Ratio (%)

Notes:  
1 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).  
2 East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).  
3 South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).  
4 West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY table with columns: Surface Name, Surface Type, Area (ft²), Framing Type, Cavity R-Value, Continuous R-Value, Units, Value, Description of Assembly Layers

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name: Fremont School Bld F, Project Address: 607 Texas Street Bakersfield 93307, Input File Name: Fremont F T24.cibd19x

H5. PUMPS  
This Section Does Not Apply

H6. SYSTEM SPECIAL FEATURES table with columns: System Name, Equipment Type, Window Interlocks per §140.4(b), Other Special Features and Controls

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-SCH-E.

H7. NONRESIDENTIAL VENTILATION table with columns: 1 Zone Name, 2 Mechanical Ventilation, 3 # of people, 4 Supply CFM, 5 Exhaust CFM, 6 Conditioned Area (sf), 7 DCV or Occupant Sensor Controls, or Both

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION  
This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-29 12:06:08

Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 10 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
Input File Name:	Fremont F T24.cibd13x		

**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: [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCI/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/)

Building Component	Form/Title
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings

Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 11 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
Input File Name:	Fremont F T24.cibd13x		

**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: [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/)

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 5220.1(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	

Project Name:	Fremont School Bld F	NRCC-PRF-01-E	Page 12 of 12
Project Address:	607 Texas Street Bakersfield 93307	Calculation Date/Time:	12:05, Mon, Aug 29, 2022
Input File Name:	Fremont F T24.cibd13x		

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

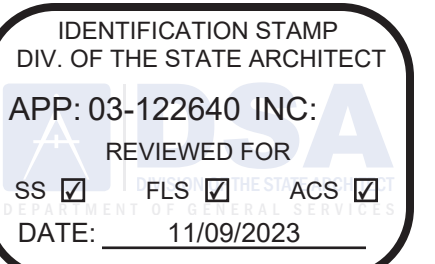
Documentation Author Name: Mark Baskin	Signature: 
Company: Baskin Mechanical Engineers	Signature Date: 2022-08-29
Address: 175 Fulton St.	CEA/HERS Certification Identification (if applicable): M26578
City/State/Zip: Fresno CA 93721	
Phone: 5592370376	

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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)
- 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.
- 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.
- 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.

Responsible Envelope Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title:
Phone:	License #:
Responsible Lighting Designer Name:	Signature:
Company:	Date Signed:
Address:	
City/State/Zip:	Title:
Phone:	License #:
Responsible Mechanical Designer Name: Mark Baskin, P.E.	Signature: 
Company: Baskin Mechanical Engineers	Signature Date: 08-29-2022
Address: 5500 Ming Avenue, #251	
City/State/Zip: Bakersfield CA 93309	
Phone: (661) 397-2114	Title: P. E. License #: M26578



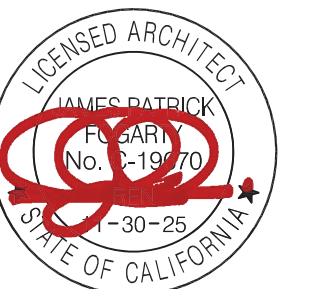
3434 Truxtun Avenue, Suite 240  
Bakersfield, California, 93301  
tel | 661.327.1690 fax | 661.327.7204  
web | www.oparchitects.net

**CAMPUS HVAC SYSTEM UPGRADE**

**Fremont Magnet Elementary School**

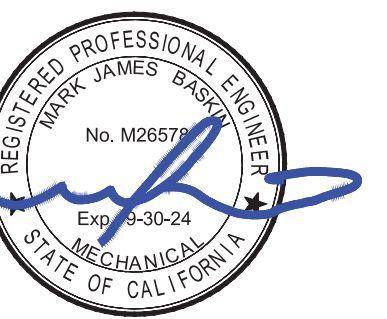
607 Texas St Bakersfield, CA 93307  
Bakersfield City School District

**ARCHITECT**



JAMES PATRICK FOGARTY, AIA  
ARCHITECT C-19670

**CONSULTANT**



**PROJECT INFO**

Project No	566-0018
Date	08.14.22
DSA File No	154
DSA No	03-122640

**REVISIONS**

No	Date	Item
△	00.00.08	DESCRIPTION

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 11.03.23 16:46

MECHANICAL TITLE 24 SHEETS - BLDG F

**M5.15**

**bme** BASKIN MECHANICAL ENGINEERS  
175 Fulton Street  
Fresno, CA 93721  
Tel: (559) 237-0376  
Job: 22013  
Plt: 10-05-23