

1

2

3

4

5

6

7

A

B

C

D

E

F

CONSTRUCTION NOTES

- KITCHEN HOOD KH-1. PROVIDE STAINLESS STEEL WRAP ABOVE HOOD TO CONCEAL EXHAUST DUCT. REFER TO DETAIL 3, H3.4.
- WELDED STAINLESS STEEL DUCT WITH 2-LAYERS OF FIRE WRAP INSULATION. SLOPE DUCT BACK TOWARD KITCHEN HOOD.
- PUSH BUTTON. ACTIVATES APPARATUS BAY EXHAUST FAN. REFER TO CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
- RADIANT HEATER THERMOSTAT, REFER TO SHEET H1.3.
- BUILDING HUMISTAT SENSOR. REFER TO DOAS UNIT CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
- G.C. SHALL PROVIDE SHROUD AROUND WALL OPENING / DUCT PENETRATION IN STORM SHELTER. REFER TO DETAILS 1 AND 2 SHEET S4.4 FOR REQUIRED DUCT OFFSET FOR PENETRATION SHROUD.
- GEAR DRYER FURNISHED BY OWNER. H.C. SHALL RECIEVE & INSTALL. ELECTRICAL CONNECTIONS BY E.C. THE H.C. SHALL PROVIDE AN AUXILIARY DRY CONTACT TO TIE INTO THE BUILDING CONTROL SYSTEM. COORDINATE AUXILIARY CONTACT MANUFACTURER WITH THE GEAR DRYING CABINET MANUFACTURER. REFER TO CONTROL DIAGRAMS FOR ADDITIONAL INFORMATION.
- STORM SHELTER LOUVER MOUNTED 24" AFF.
- CO / NO₂ CONTROL PANEL. PANEL TO HAVE EIGHT (8) DISPLAY READOUTS AND AUDIO / VISUAL ALARM.
- CO / NO₂ SENSOR. MOUNT 4' AFF. WIRE TO CONTROL PANEL.
- DRYER VENT BOX. REFER TO DETAIL 6, SHEET H3.4.
- SEMI-RECESS MOUNTING KIT FOR UNIT HEATER IN STORM SHELTER.
- DUCT TRANSITIONS TO RUN BELOW BEAM.
- COORDINATE DUCT ROUTING THROUGH TRUSS WEBBING.
- RETURN DUCT OPEN TO PLENUM. DUCT RUNS UP TO FAN COIL ON MEZZANINE.
- DUCT UP TO MEZZANINE.
- 4" CONCRETE EQUIPMENT PAD.
- 120V POWER TO DAMPER ACTUATOR BY E.C. ROUTE TO ACTUATOR THROUGH WALL FURRING.
- CONTROL DAMPER ACTUATOR LOCATED INSIDE OF INTAKE DUCTWORK.
- PROVIDE REQUIRED CLEARANCE BETWEEN DAMPER AND SHROUD.
- SHEET METAL WALL SLEEVE.

APP Architecture
creative focused design

615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
www.app-arch.com



JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2023

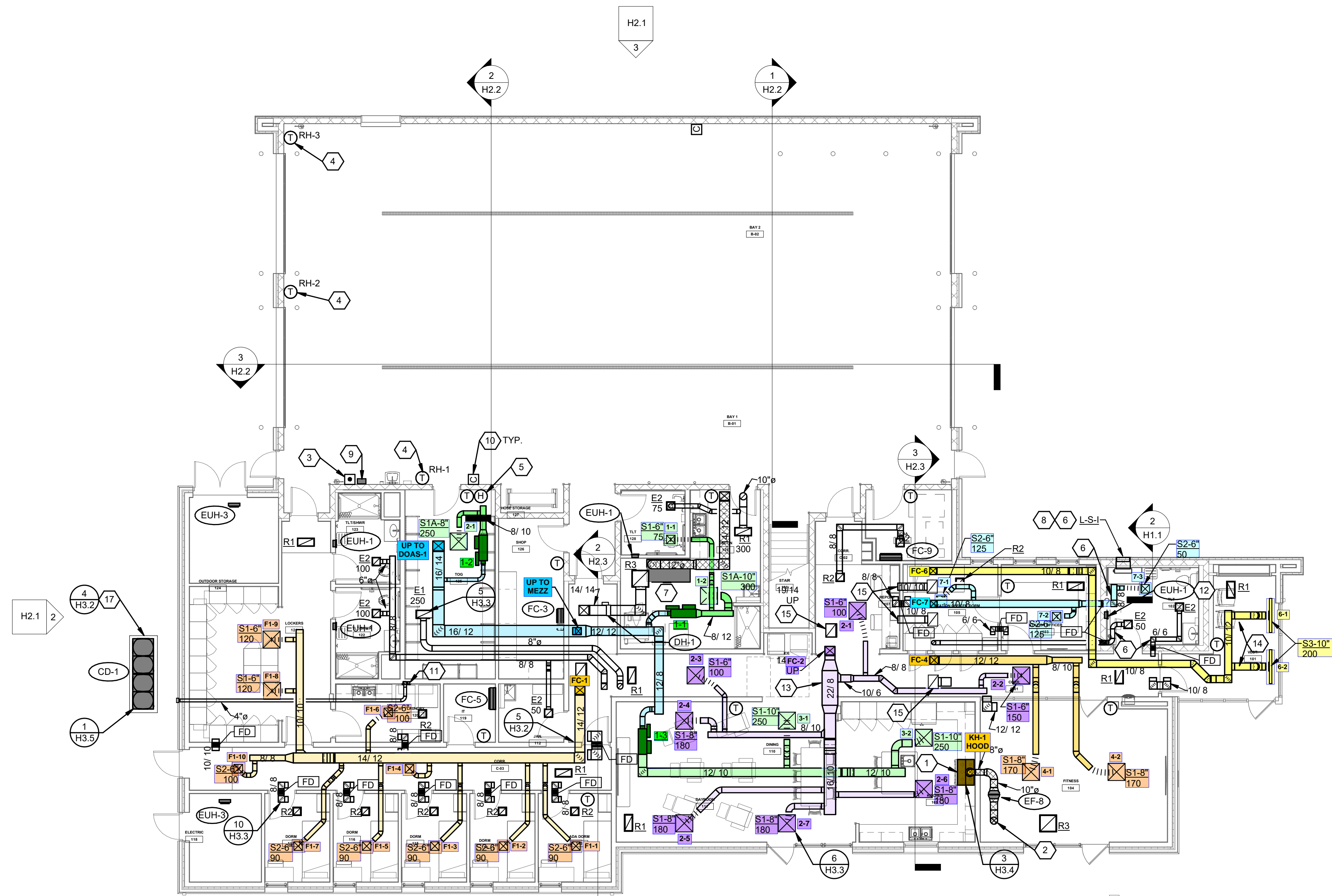
City of Middletown
Fire Station No. 85
4615 Sophie Avenue, Middletown, Ohio 45042

NO.	DATE	DESCRIPTION
02/28/2024	FOR PERMIT	
03/18/2024	FOR CONSTRUCTION	

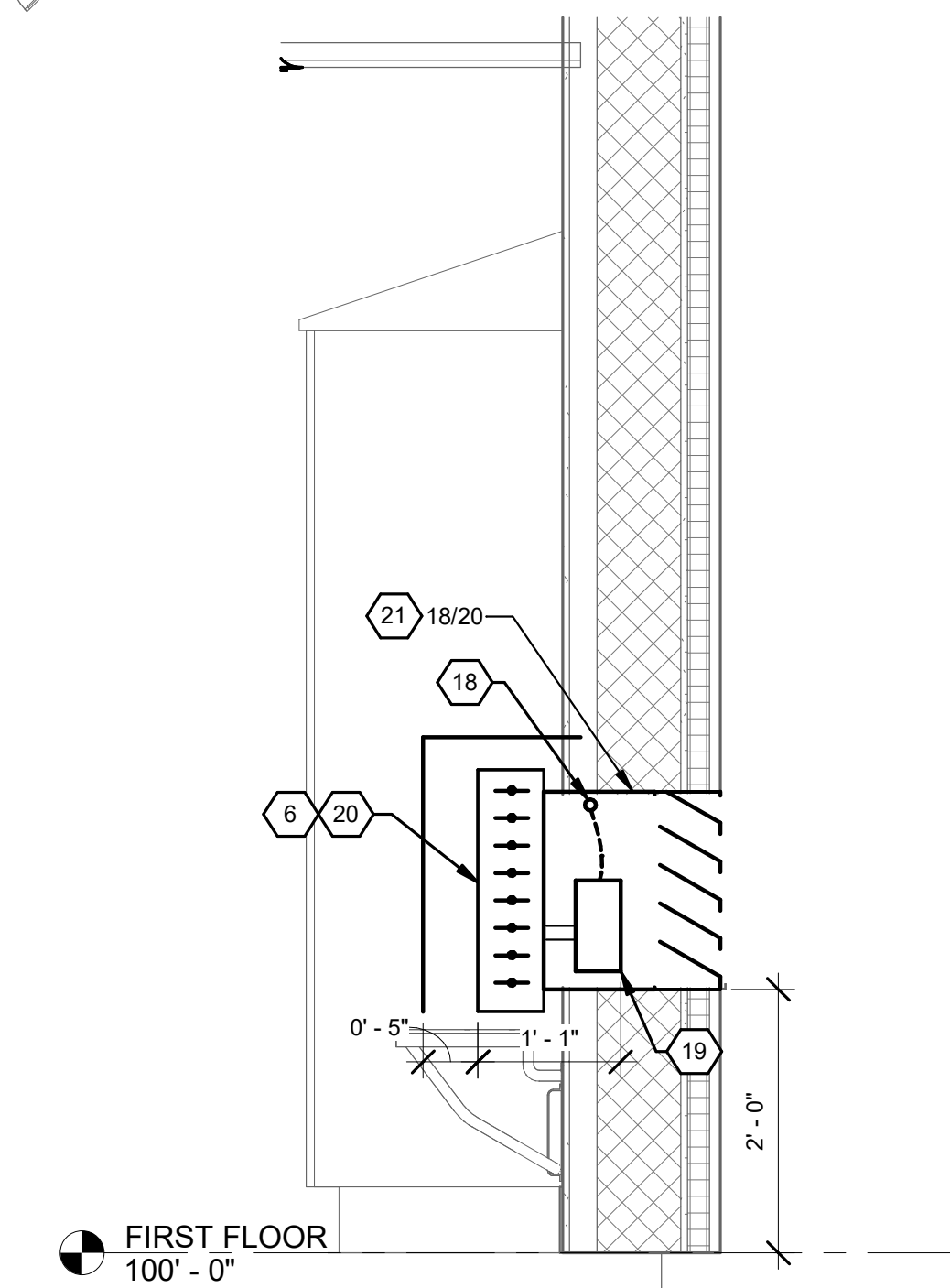
DATE	03/18/2024
JOB NO.	4069.03
DRAWN	DJZ
CHECKED	JDZ

TITLE
GROUND FLOOR PLAN - DUCTWORK

SHEET NO.
H1.1

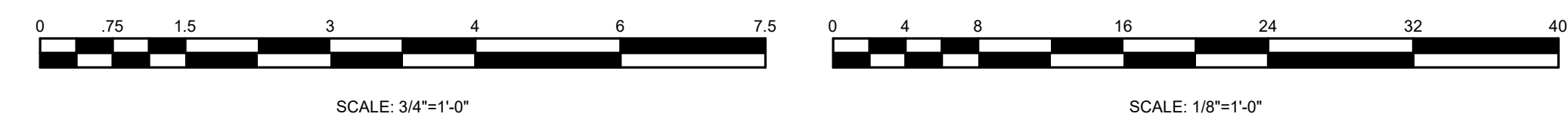


GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"



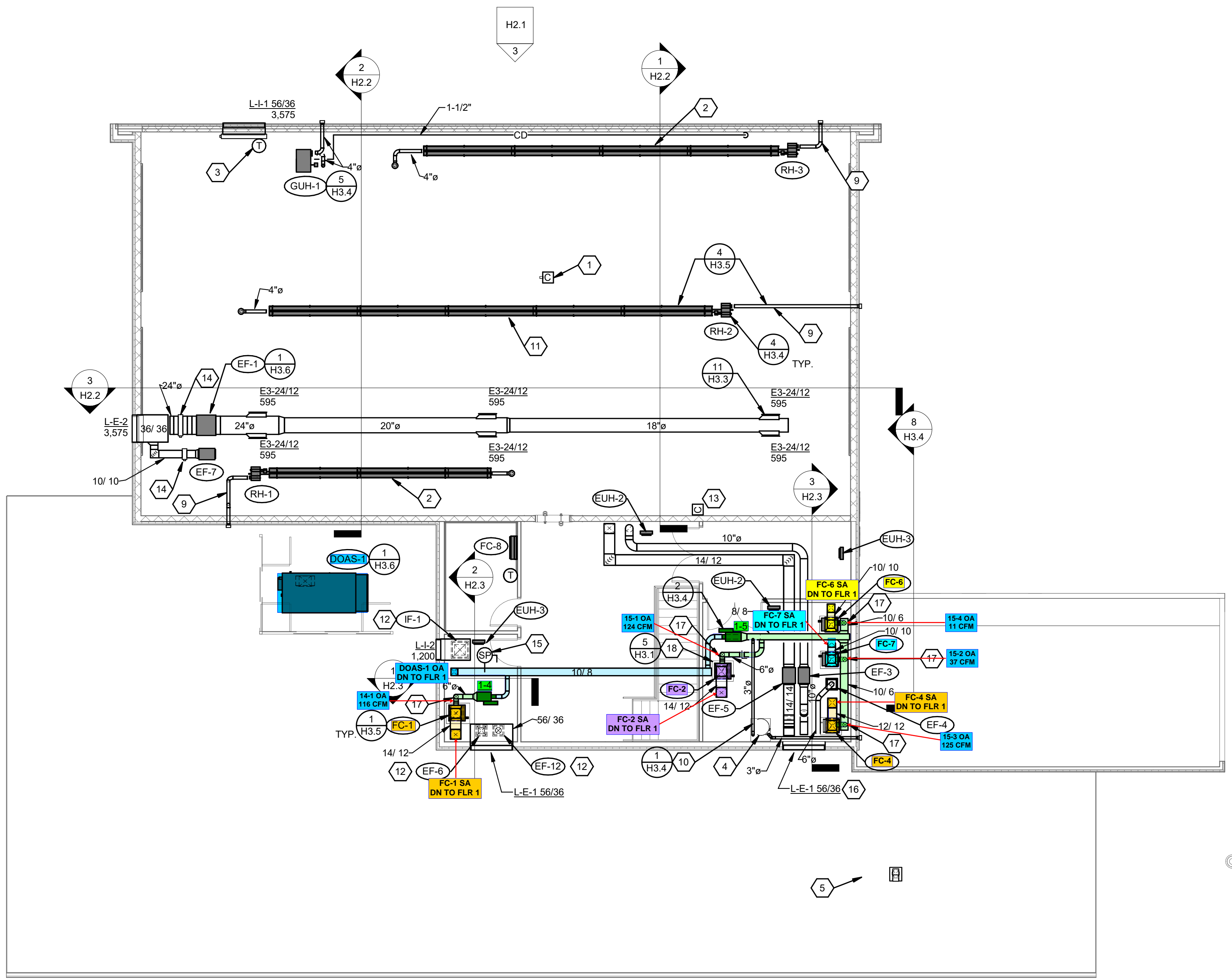
STORM SHELTER INTAKE
SCALE: 3/4" = 1'-0"

STORM SHELTER NOTE
PENETRATION THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3.5 SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS OR 2-1/16" DIAMETER SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PROTECTIVE DEVICES.

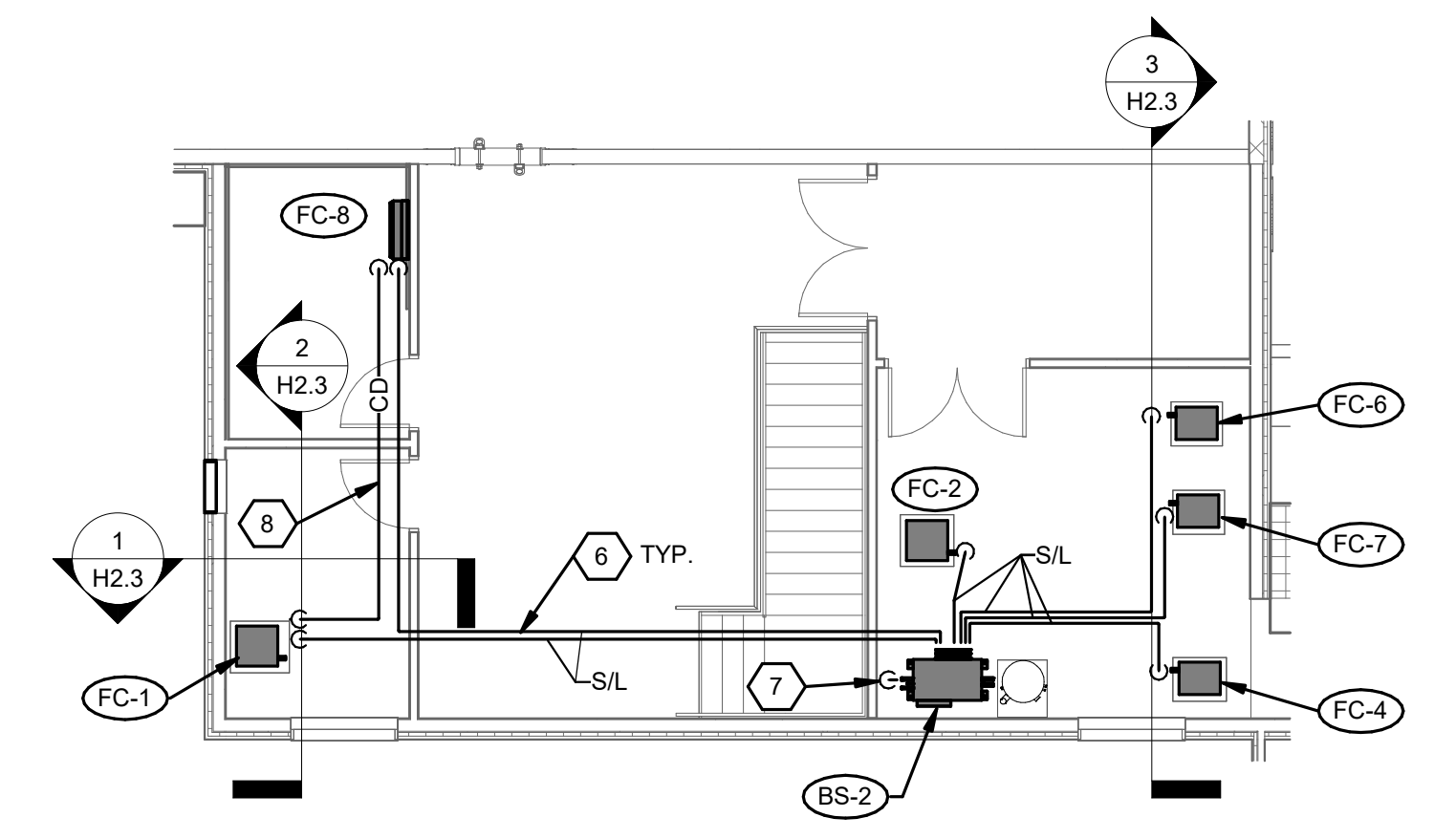


NAUMAN & ZELINSKI LLC.
204 S. Ludlow Street Suite 400 Dayton, Ohio 45402
Phone: (937) 253-3821 Fax: (937) 253-3849
PROJECT # 23004

3/18/2024 11:32:44 AM



MEZZANINE & LOW ROOF PLAN
SCALE: 1/8" = 1'-0"



MEZZANINE PLAN - PIPING
SCALE: 1/8" = 1'-0"

- CONSTRUCTION NOTES**
1. CO/NO₂ SENSOR. MOUNT TO ROOF JOIST WIRE TO CONTROL PANEL.
 2. PROVIDE SIDE SHIELD DEFLECTOR TO PROJECT HEAT AWAY FROM ADJACENT WALL.
 3. TEMPERATURE SENSOR MOUNTED IN THROAT OF INTAKE DUCT. REFER TO GAS FIRED UNIT HEATER CONTROL DIAGRAM FOR ADDITIONAL INFORMATION.
 4. WATER HEATER BY P.C.
 5. KITCHEN HOOD EXHAUST ROOF CAP. GREENHECK #RJ-6X9 OR EQUAL.
 6. SUCTION & LIQUID REFRIGERANT PIPING FROM BRANCH SELECTOR TO INDOOR FAN COIL UNIT. TYPICAL.
 7. REFRIGERANT PIPING UP FROM FIRST FLOOR.
 8. PUMPED CONDENSATE, TERMINATE IN MECHANICAL ROOM FLOOR DRAIN AT FC-1.
 9. 4"Ø INTAKE DUCT WITH SIDE WALL INTAKE CAP.
 10. DOMESTIC WATER HEATER FLUE.
 11. REFER TO DETAIL FOR APPARATUS BAY EQUIPMENT INSTALLATION COORDINATION.
 12. FAN MOUNTED VERTICALLY BELOW PLENUM. SUPPORT FROM SIDEWALL.
 13. CO/NO₂ SENSOR. MOUNT SENSOR 10' FROM TRAINING WINDOW OPENING. REFER TO SECTION 3, H2.2 FOR ELEVATION.
 14. AUTOMATIC CONTROL DAMPER. REFER TO DETAILS 1 & 2, H3.5 FOR ADDITIONAL INFORMATION.
 15. DUCT MOUNTED STATIC PRESSURE SENSOR FOR DOAS-1 PROVIDED BY T.C.
 16. EXHAUST DUCTWORK TAPS INTO LOUVER PLENUM.
 17. 6"Ø OUTSIDE AIR DUCT CONNECTIONS TO RETURN AIR PLENUM OF FAN COIL UNIT.
 18. 4" CONCRETE EQUIPMENT PAD BY H.C.

APP Architecture
creative focused design
615 Woodside Drive, Englewood, Ohio 45322
T 937.836.8898 F 937.832.3696
www.app-arch.com



JEFFREY D. ZELINSKI, LICENSE #63822
EXPIRATION DATE 12/31/2023

City of Middletown
Fire Station No. 85
4615 Sophie Avenue, Middletown, Ohio 45042

NO.	DATE	DESCRIPTION
02/28/2024	FOR PERMIT	
03/18/2024	FOR CONSTRUCTION	

DATE	03/18/2024
JOB NO.	4069.03
DRAWN	DJZ
CHECKED	JDZ

COPYRIGHT © 2024 - App Architecture, Inc.
TITLE
MEZZANINE & LOW ROOF PLAN

SHEET NO.
H1.3



NAUMAN & ZELINSKI LLC.
204 S. Ludlow Street Suite 400 Dayton, Ohio 45402
Phone: (937) 223-3821 Fax: (937) 223-3843
PROJECT # 23004

3/18/2024 11:32:52 AM