

REVISIONS	NO.	DESCRIPTION
DATE		

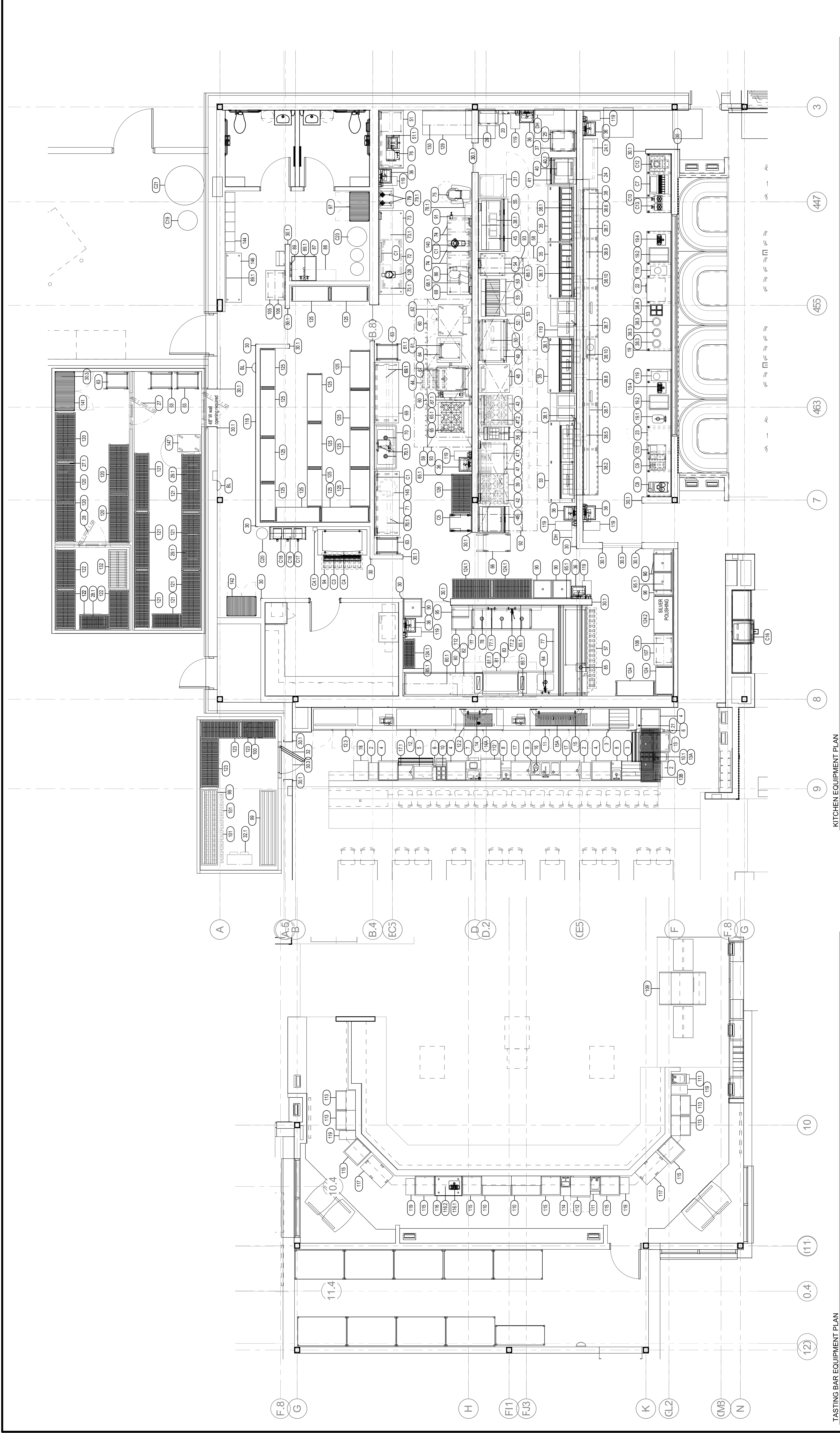
Cooper's Hawk Winery

Lee's Summit, MO

PROJECT	4589003
DATE	08/13/2021
SCALE	1/4" = 1'-0"
DRAWN	ABW
APPROVED	AHS

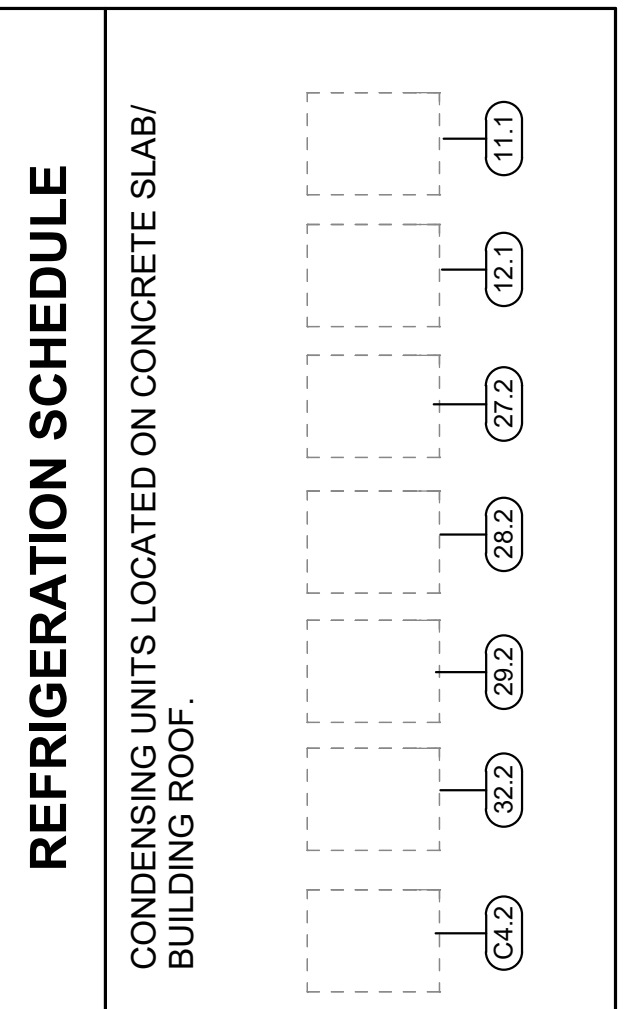
SHEET
FOODSERVICE EQUIPMENT PLAN

SHEET NUMBER
QF100



KITCHEN EQUIPMENT PLAN
1/4" = 1'-0"

TASTING BAR EQUIPMENT PLAN
1/4" = 1'-0"



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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

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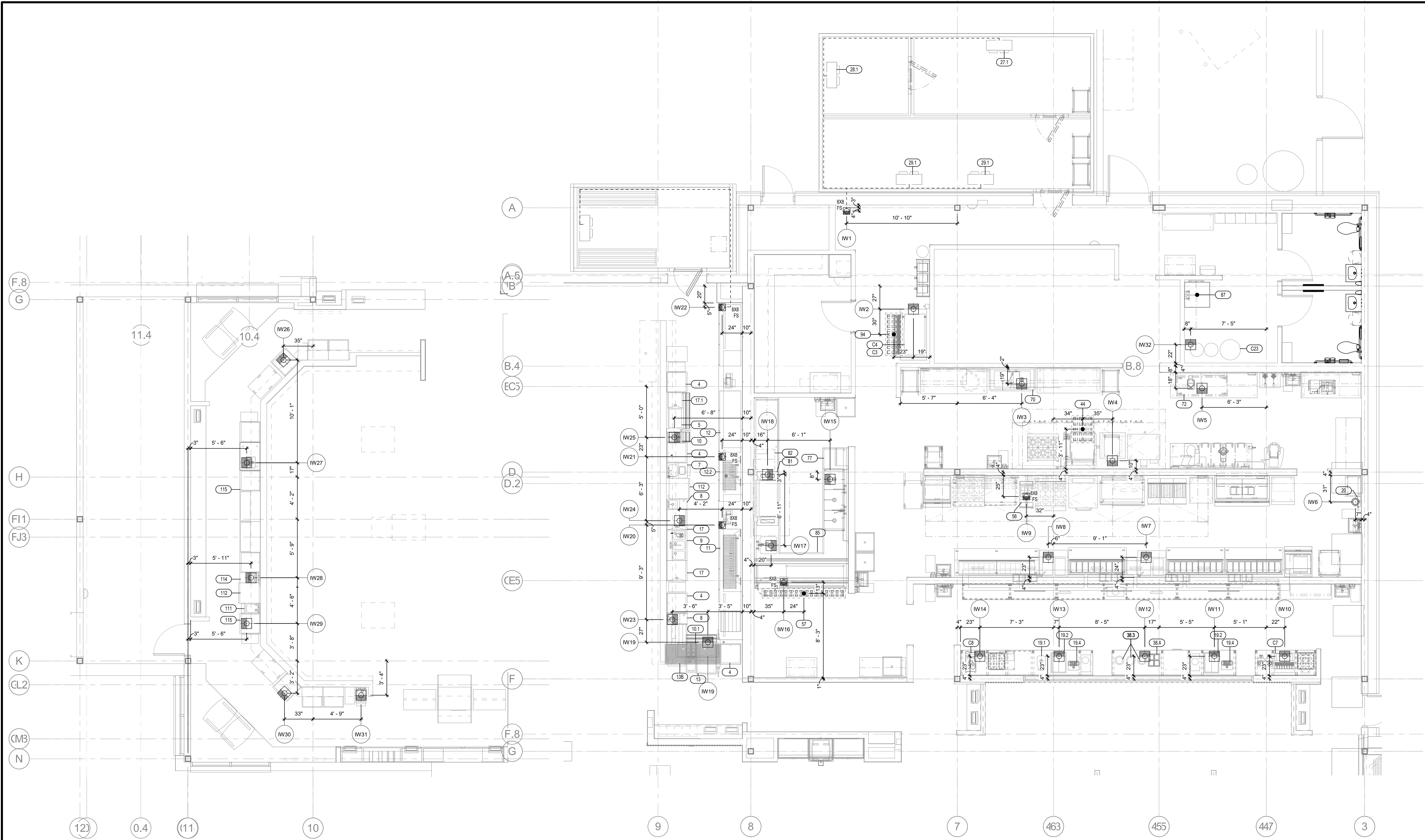
Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	1/4" = 1'-0"
DRAWN	ABW
APPROVED	AHS

SHEET
FOODSERVICE PLUMBING
IN-SLAB ROUGH-IN PLAN

SHEET NUMBER:

QF200



TASTING BAR - PLUMBING IN-SLAB ROUGH-IN PLAN
1/4" = 1'-0"

KITCHEN - PLUMBING IN-SLAB ROUGH-IN PLAN
1/4" = 1'-0"

REFRIGERATION SCHEDULE

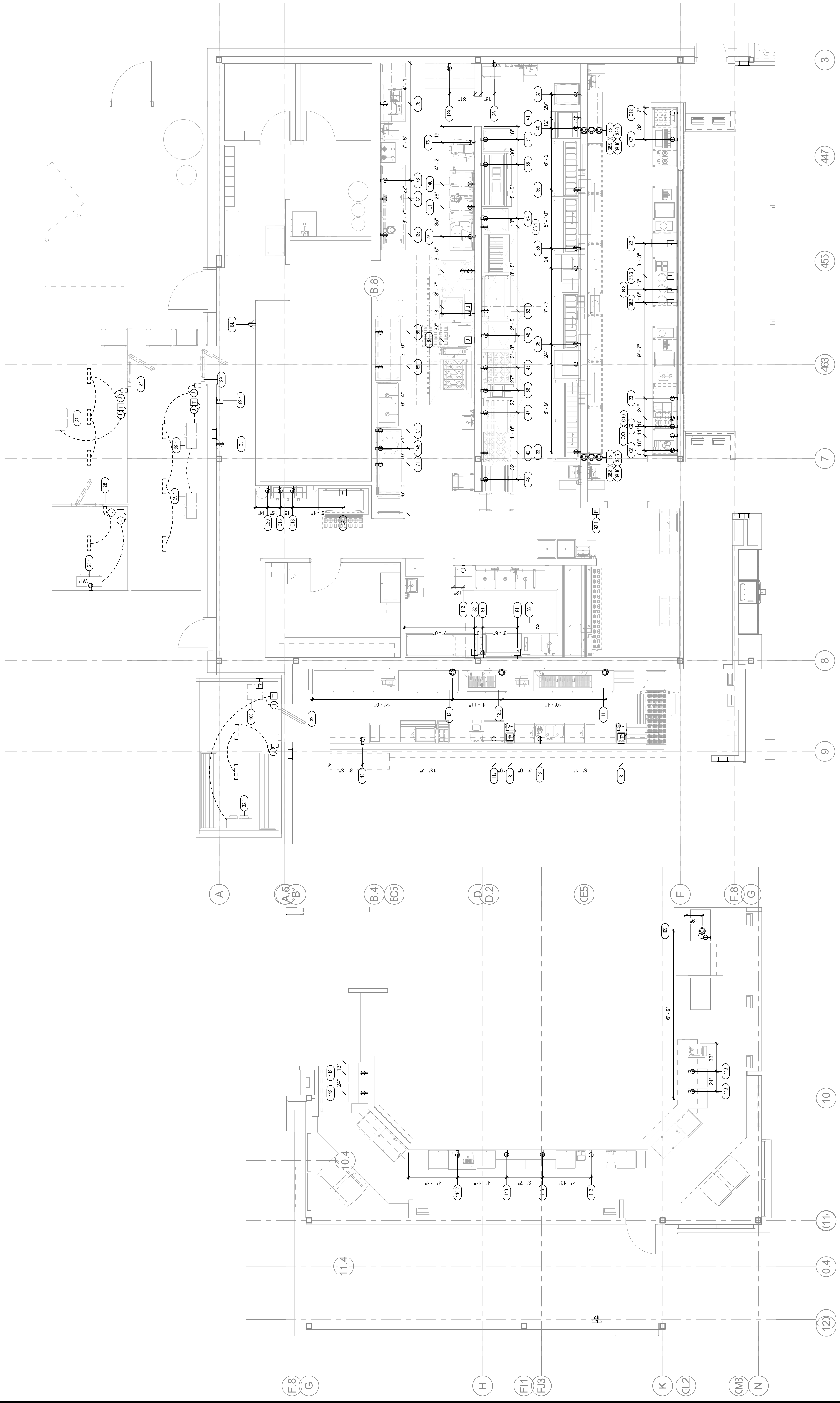
CONDENSING UNITS LOCATED ON CONCRETE SLAB/
BUILDING ROOF.

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Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	4589003
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DRAWN	ABW
APPROVED	AHS
SHEET	

FOODSERVICE ELECTRICAL
ROUGH-IN PLAN



KITCHEN - ELECTRICAL ROUGH-IN PLAN
1/4" = 1'-0"

TASTING BAR - ELECTRICAL ROUGH-IN PLAN
1/4" = 1'-0"

REFRIGERATION SCHEDULE	
CONDENSING UNITS LOCATED ON CONCRETE SLAB/ BUILDING ROOF.	
(11)	(12)
(21)	(22)
(31)	(32)
(41)	(42)
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REVISIONS

DATE	NO.	DESCRIPTION
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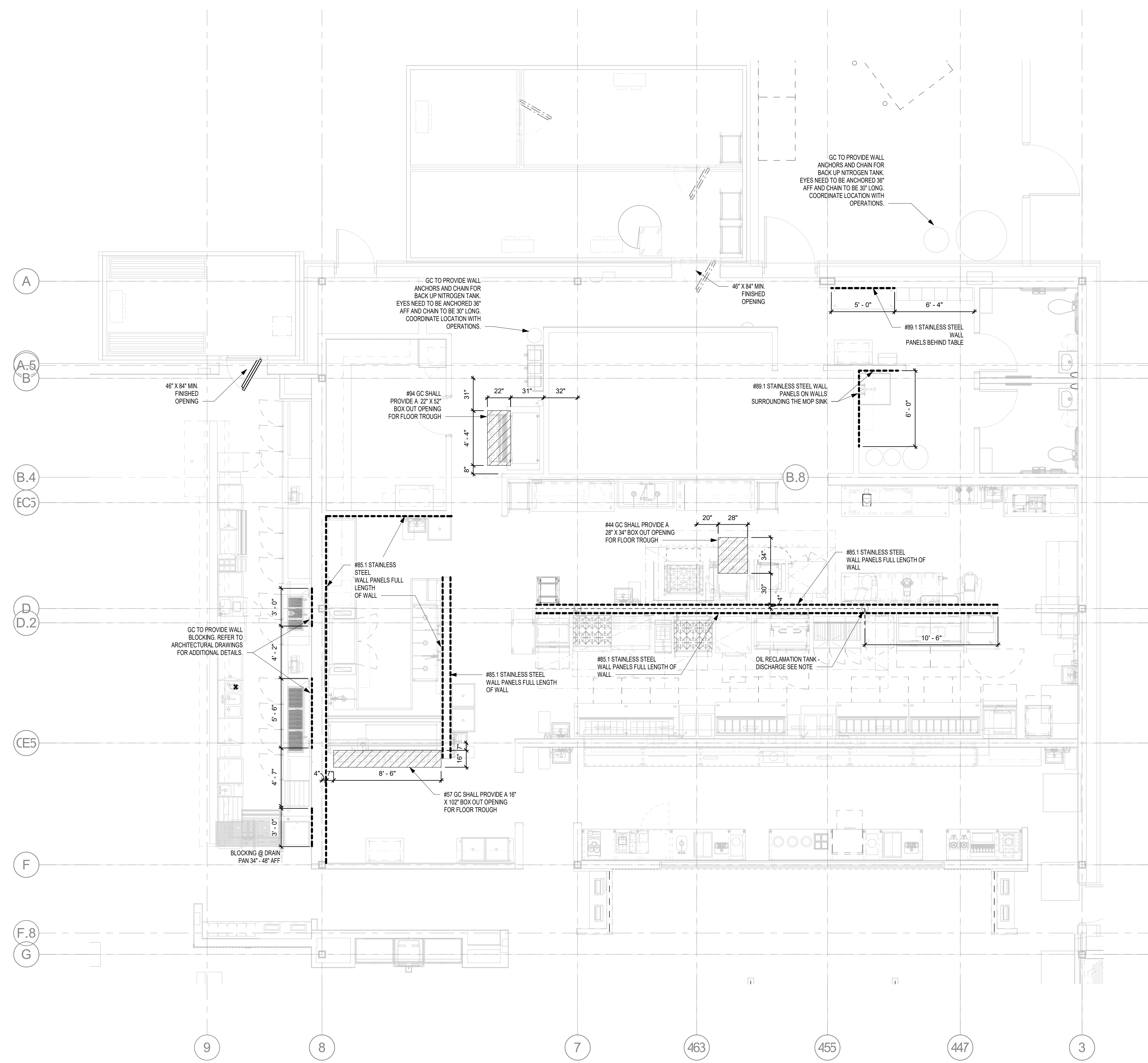
DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	As indicated
DRAWN	ABW
APPROVED	AHS

SHEET
FOODSERVICE SPECIAL
CONDITIONS PLAN

SHEET NUMBER:
QF400



WALL BLOCKING SCHEDULE (DIVISION 6)

NOTES:

ARCHITECTURAL TRADES TO PROVIDE 5/8" MIN. PLYWOOD IN LIEU OF DRYWALL THROUGHOUT THE ENTIRE KITCHEN, EXCEPT UNDER EXHAUST HOODS.

INSTALL PLYWOOD 12" AFF AND EXTEND 6" ABOVE FINISHED CEILING FOR ALL KITCHEN WALLS

ARCHITECTURAL TRADES TO PROVIDE 16 GA. MIN. METAL WALL BLOCKING UNDER HOODS IN LIEU OF PLYWOOD.

ALL S/S WALL PANELS TO BE 10'-0" HIGH.

OUTSIDE RECLAMATION TANK (NIC) VERIFY LOCATION BY LOADING DOCK.

3/4" BLACK IRON PIPE TO RUN OVERHEAD MIN. PITCH TO TANK 1/8" PER FOOT TO TANK. DISCHARGE PIPE USED GREASE @18" AFF (LOCATED OUTSIDE OF FRYERS BETWEEN FRYER BANK AND FREEZER) PIPE SHOULD EXTEND OUT 12" FROM BACK OF WALL.

STAINLESS STEEL WALL PANELING TO BE INSTALLED WITH A BOTTOM CHANNEL

REVISIONS

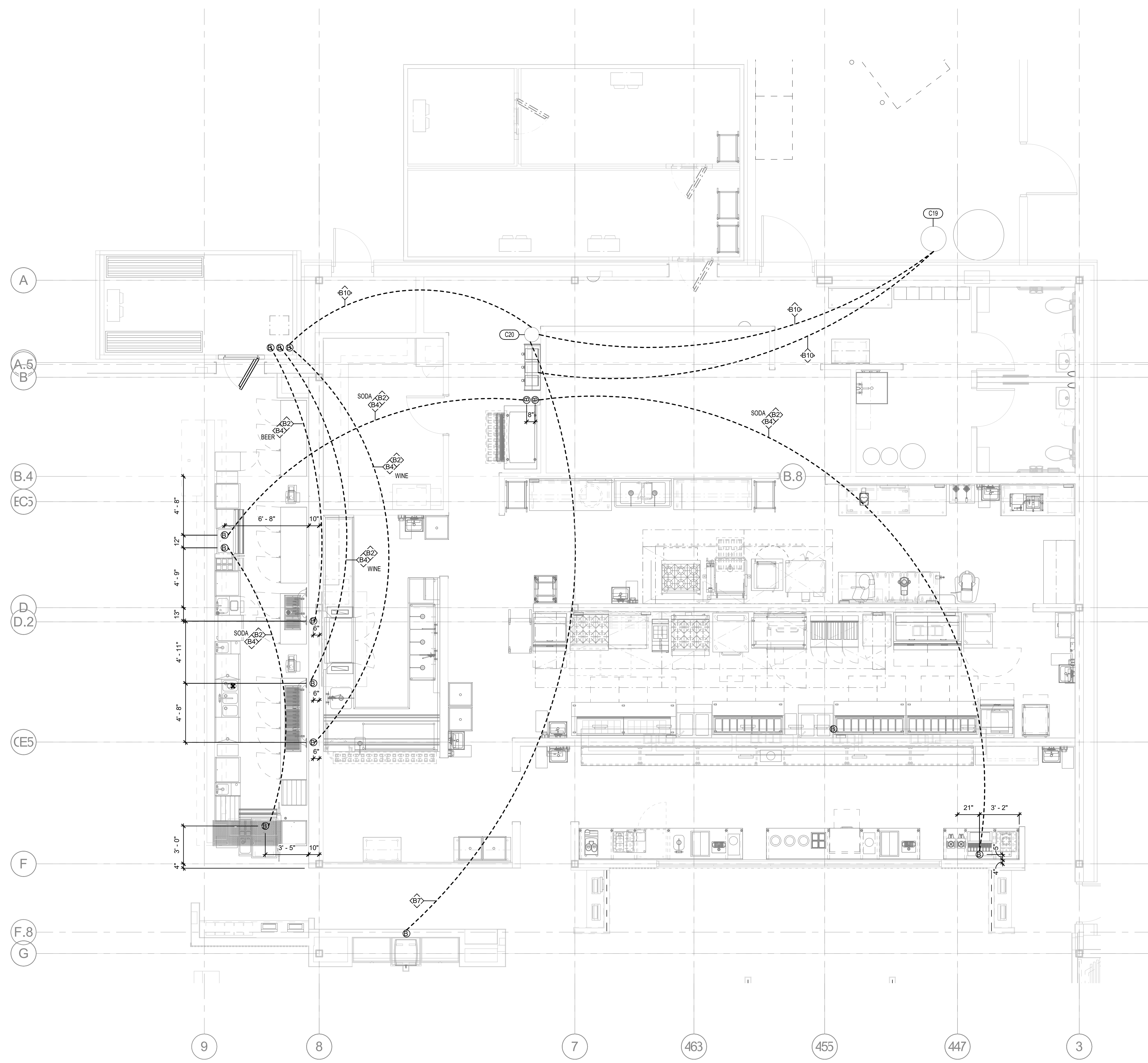
DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	1/4" = 1'-0"
DRAWN	APPROVED
ABW	AHS

SHEET
FOODSERVICE BEVERAGE
CONDUIT PLAN

SHEET NUMBER:
QF401



BEVERAGE SYSTEM NOTES (DIVISION 22)

- B1.1 PROVIDE 2" I.D. EMT OR SCHEDULE 40 PVC ELECTRICAL CONDUIT (GRAY). COORDINATE WITH ARCHITECTURAL CABINET DETAIL.
- B-1 PROVIDE 4" ID EMT OR SCHEDULE 40 PVC ELECTRICAL CONDUIT (GRAY).
- B-2 PROVIDE 6" ID EMT OR SCHEDULE 40 PVC ELECTRICAL CONDUIT (GRAY).
- B-3 PROVIDE 8" ID EMT OR SCHEDULE 40 PVC ELECTRICAL CONDUIT (GRAY).
- B-4 ROUTE CONDUIT BENEATH FLOOR AND STUB UP TO 6" AFF. REFER TO DETAIL #QF600
- B-5 ROUTE CONDUIT ABOVE FINISHED CEILING AND DOWN THRU WALL/CHASE. STUB OUT AT 10" AFF. REFER TO DETAIL #QF600
- B-6 ROUTE BEER/WINE LINES UP OVERHEAD TO WALL MOUNTED TOWERS. LEADS TO BE BENT WITHIN 8" OF BACK HEAD. REFER TO DETAILS ON #QF600
- B-7 PROVIDE ACCESS FOR NITROGEN LINES FROM BLENDER C20 TO RESERVE BARRELL AND WALK-IN BEVERAGE COOLER.
- B-8 OUTSIDE RECLAMATION TANK (NIC) VERIFY LOCATION BY LOADING DOCK. 3/4" BLACK IRON PIPE TO RUN OVERHEAD MIN. PITCH TO TANK 1/8" PER FOOT TO TANK DISCHARGE PIPE (USED GREASE) @18" AFF (LOCATED OUTSIDE OF FRYERS BETWEEN FRYER BANK AND FREEZER) PIPE SHOULD EXTEND OUT 12" FROM BACK OF WALL.
- B-9 RUN SODA LINES THRU BAR DIE WALL TO COCKTAIL STATION.
- B-10 PROVIDE ACCESS FOR CO2 LINES FROM TANK C19 TO SODA SYSTEM. PROVIDE 2" CONDUIT IF REQUIRED.

NOTE: CONDUIT RUNS ARE SCHEMATIC RUNS ONLY. GC TO RUN IN A DIRECT AND STRAIGHT ROUTE FROM ONE POINT TO THE NEXT AS FIELD CONDITIONS ALLOW.

NOTE 30" MINIMUM WIDE SWEEPING BENDS

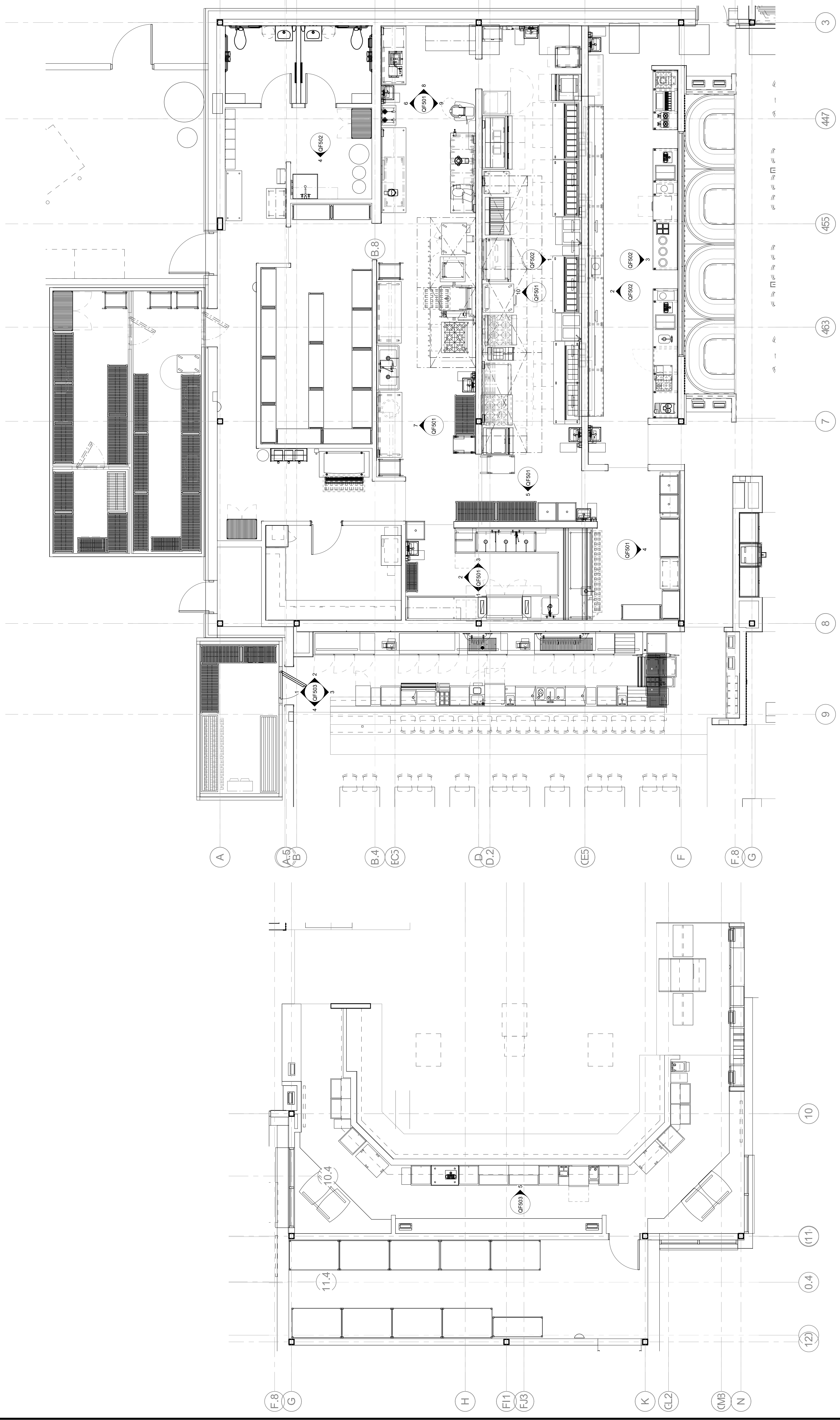
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REVISIONS	NO.	DESCRIPTION
DATE		

Cooper's Hawk Winery
Lee's Summit, MO

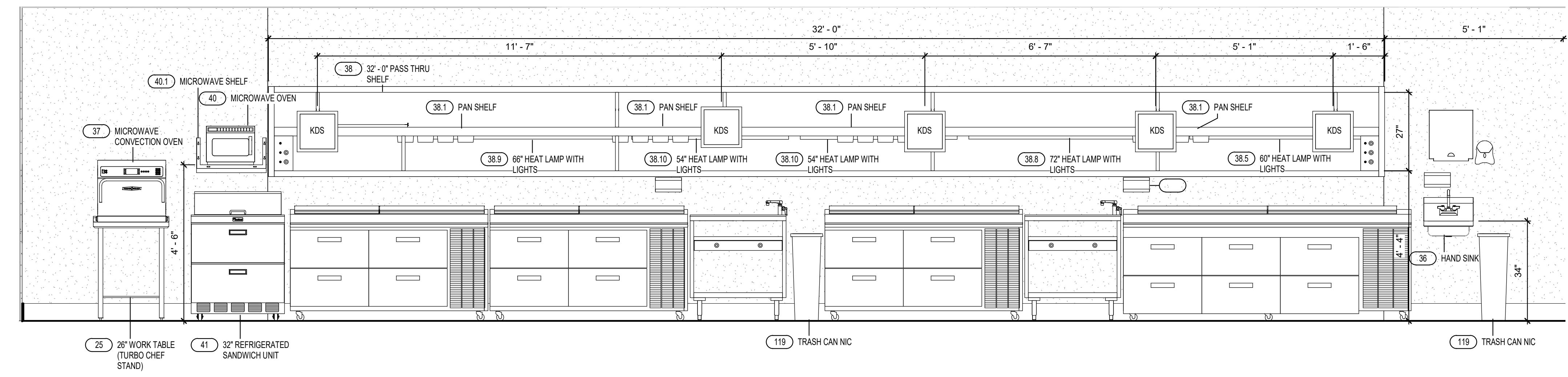
PROJECT	458903
DATE	08/13/2021
SCALE	1/4" = 1'-0"
DRAWN	ABW
APPROVED	AHS
SHEET	

FOODSERVICE KEY ELEVATION
PLAN

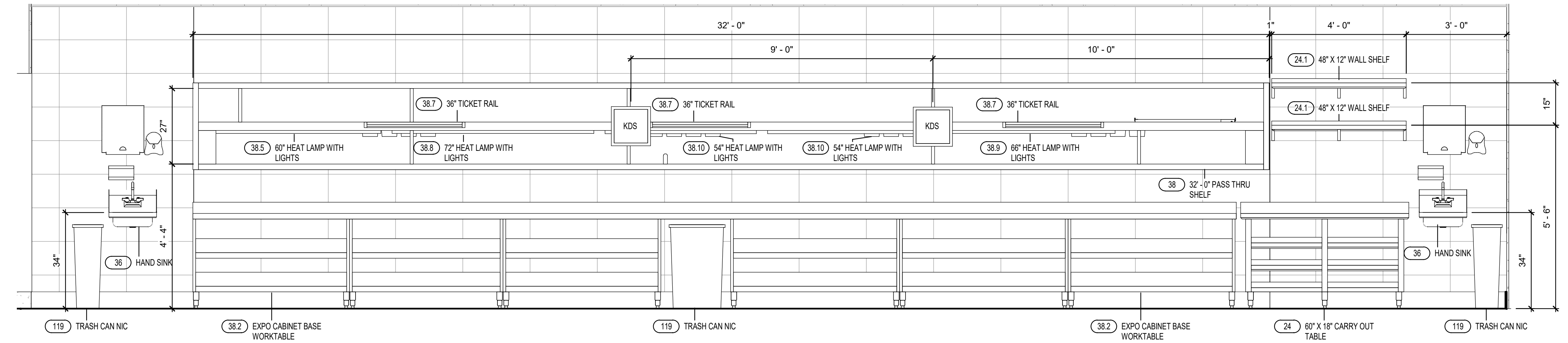


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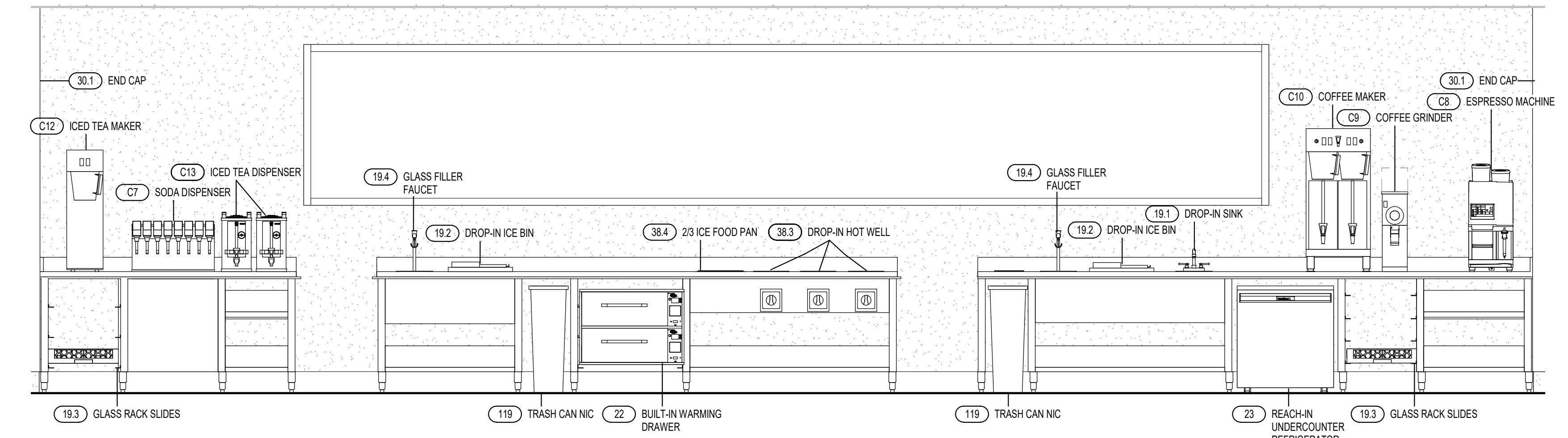
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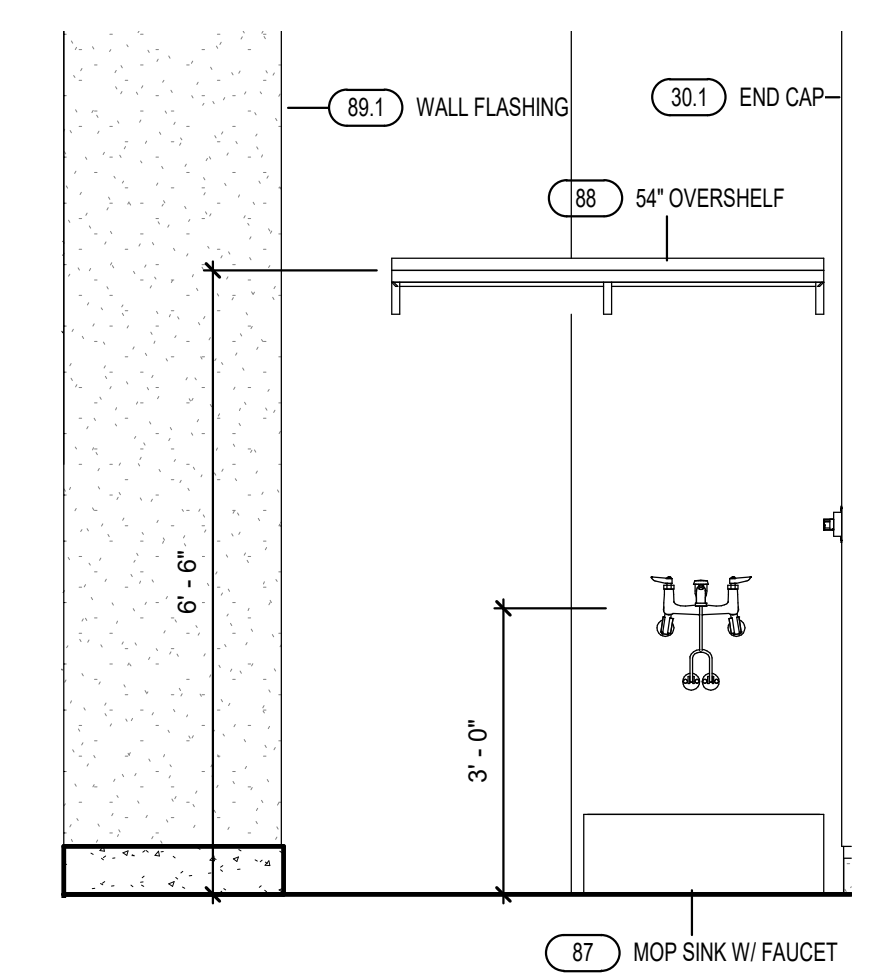
1 CHEF'S COUNTER ELEVATION A
1/2" = 1'-0"



2 CHEF'S COUNTER ELEVATION B
1/2" = 1'-0"



3 BEVERAGE COUNTER ELEVATION
1/2" = 1'-0"



4 MOP SINK ELEVATION
1/2" = 1'-0"

REVISIONS

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	1/2" = 1'-0"
DRAWN	APPROVED
ABW	AHS

SHEET
FOODSERVICE ELEVATIONS

SHEET NUMBER:
QF502

DATE	NO.	DESCRIPTION

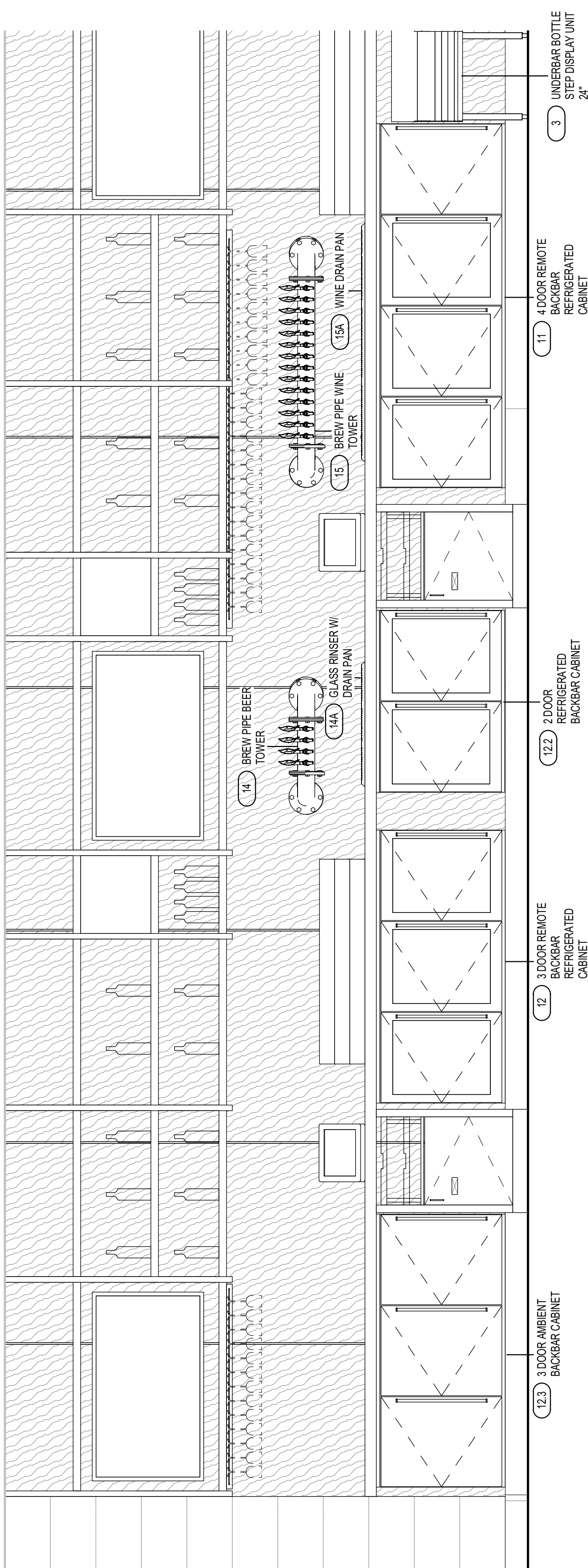
Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	1/2" = 1'-0"
DRAWN	ABW
SHEET	APPROVED
	AHS

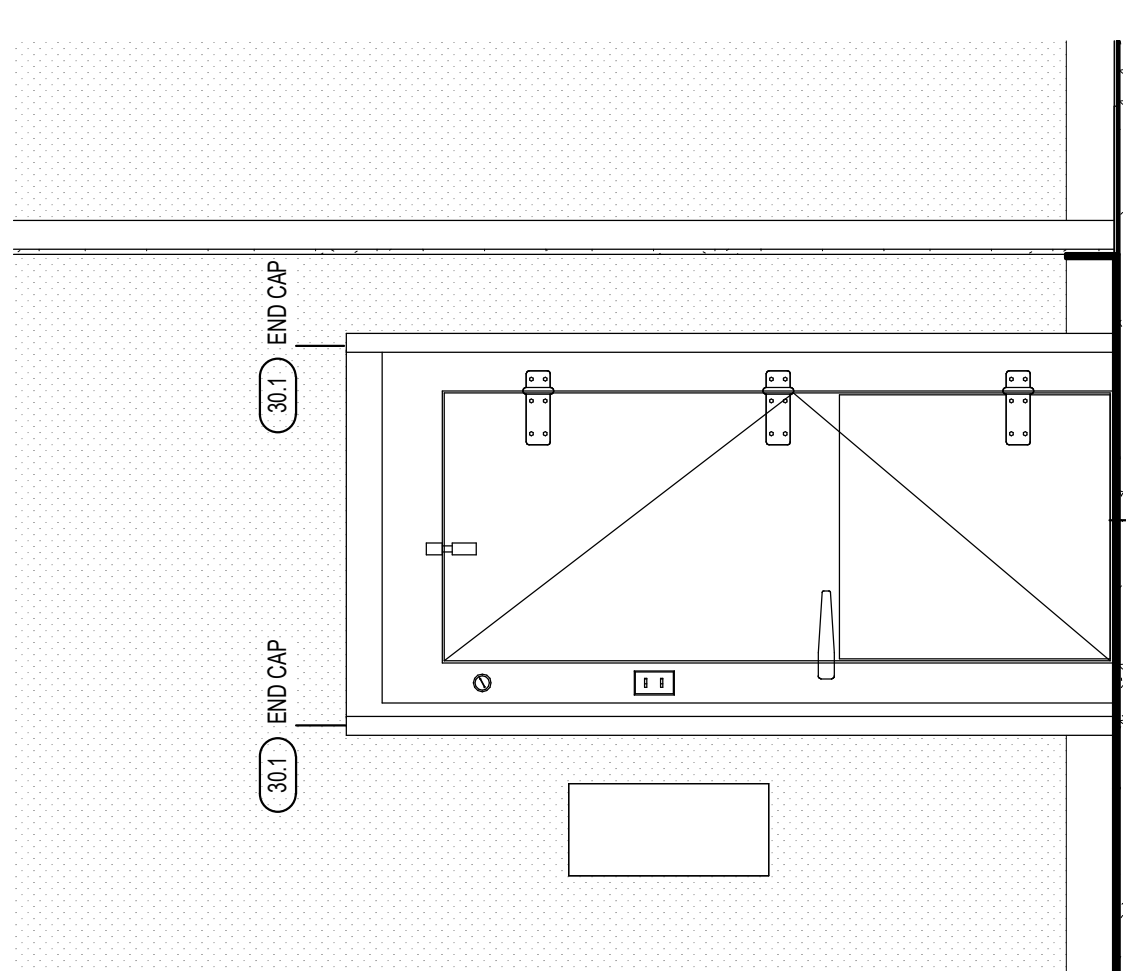
FOODSERVICE ELEVATIONS

SHEET NUMBER
QF503

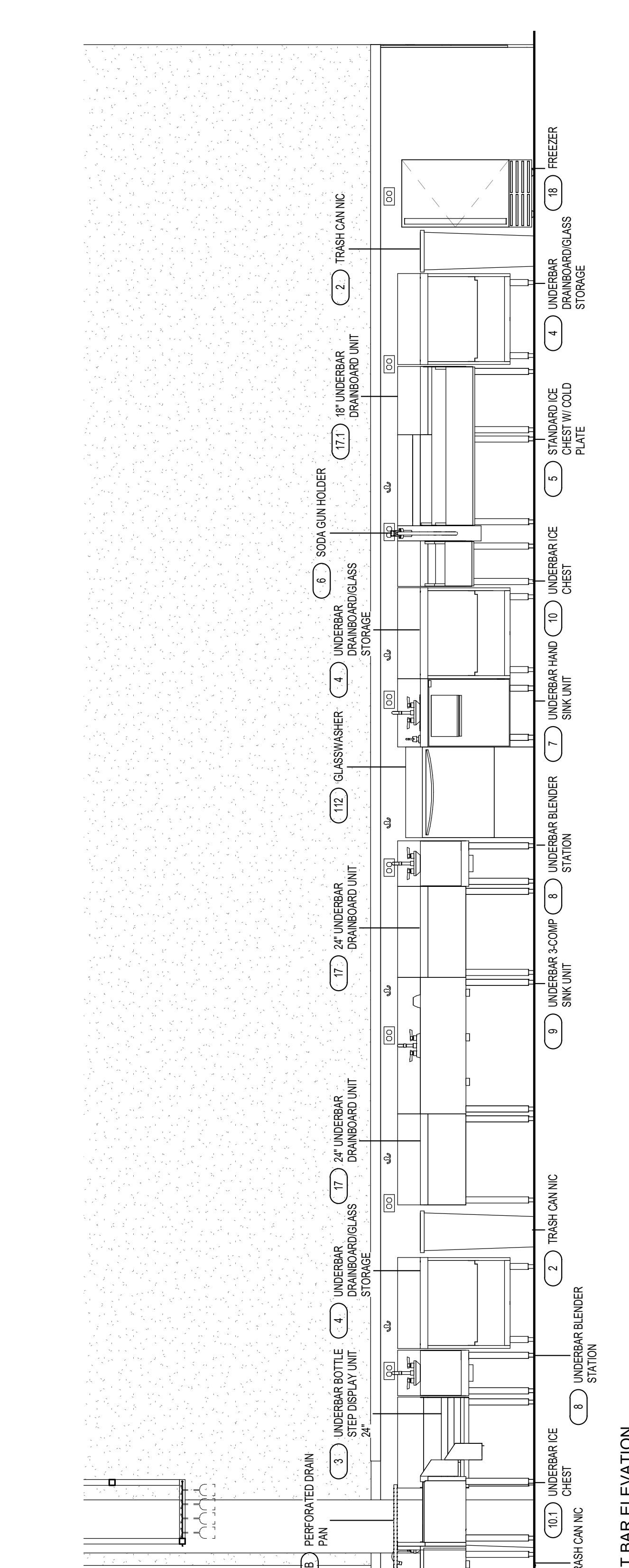
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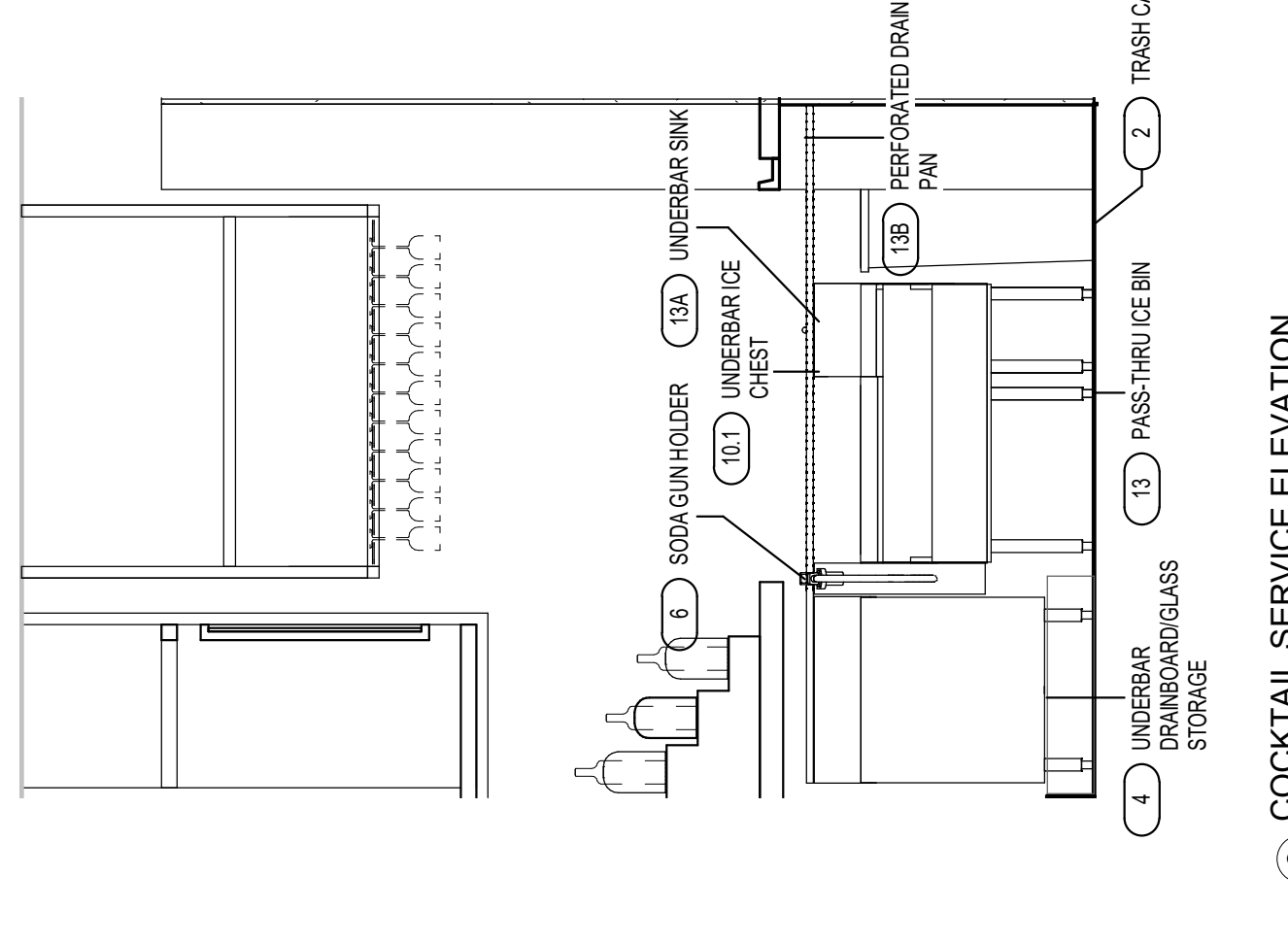
2 BACK BAR ELEVATION
1/2" = 1'-0"



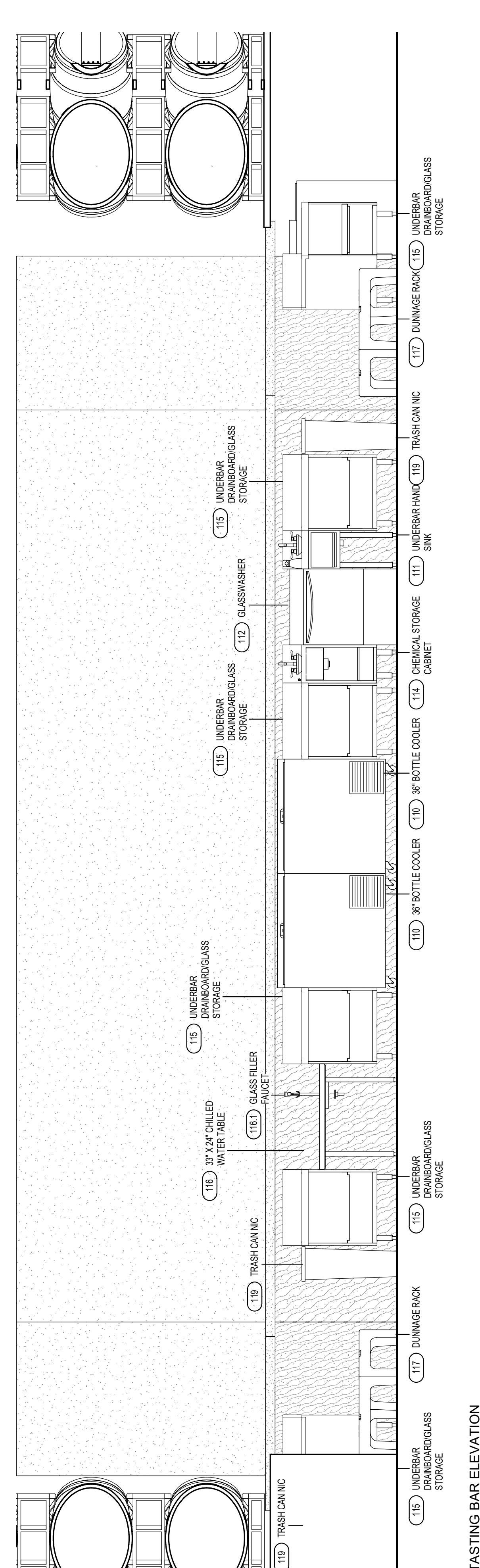
1 BEER COOLER ELEVATION
1/2" = 1'-0"



4 FRONT BAR ELEVATION
1/2" = 1'-0"



3 COCKTAIL SERVICE ELEVATION
1/2" = 1'-0"



5 TASTING BAR ELEVATION
1/2" = 1'-0"

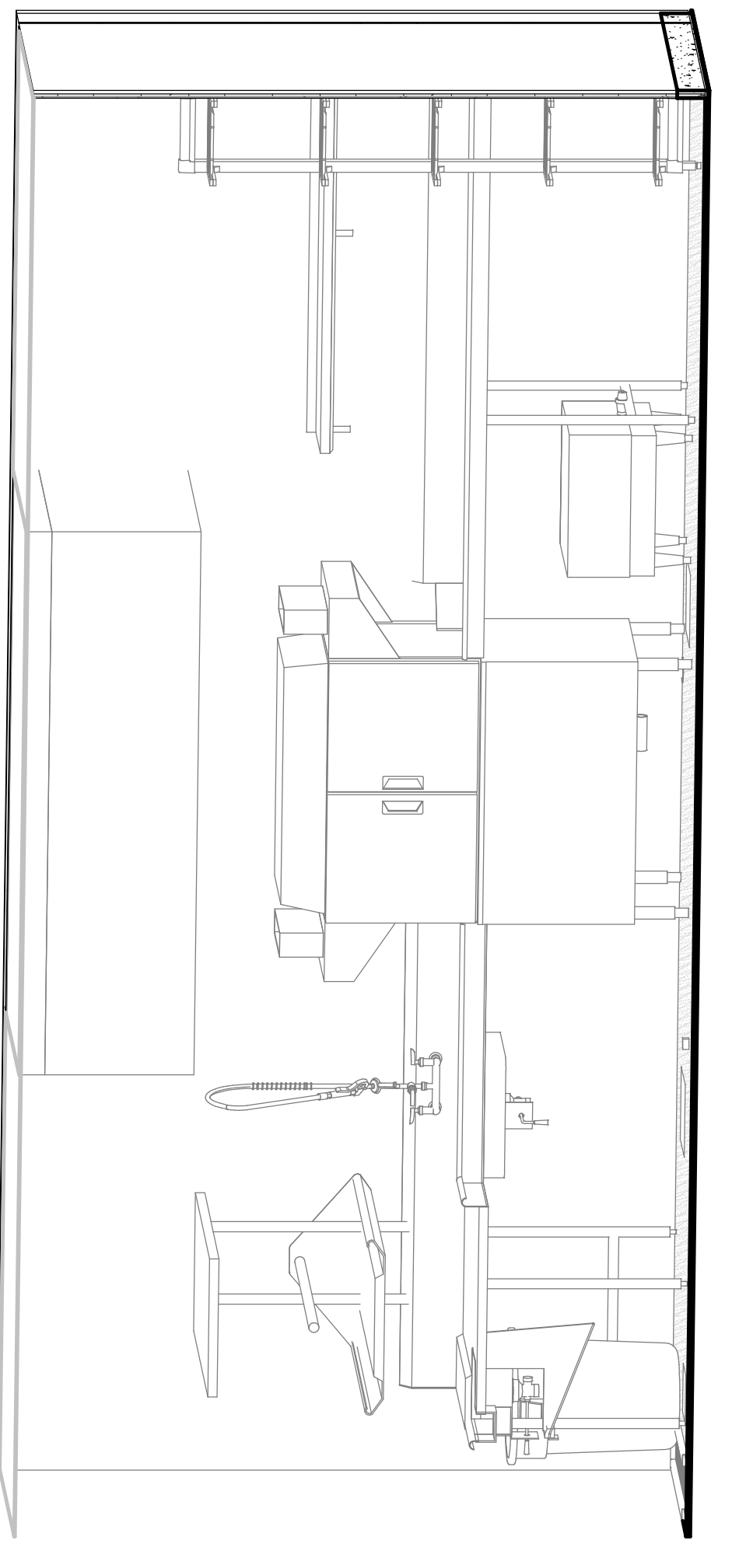
REVISIONS

DATE	NO.	DESCRIPTION

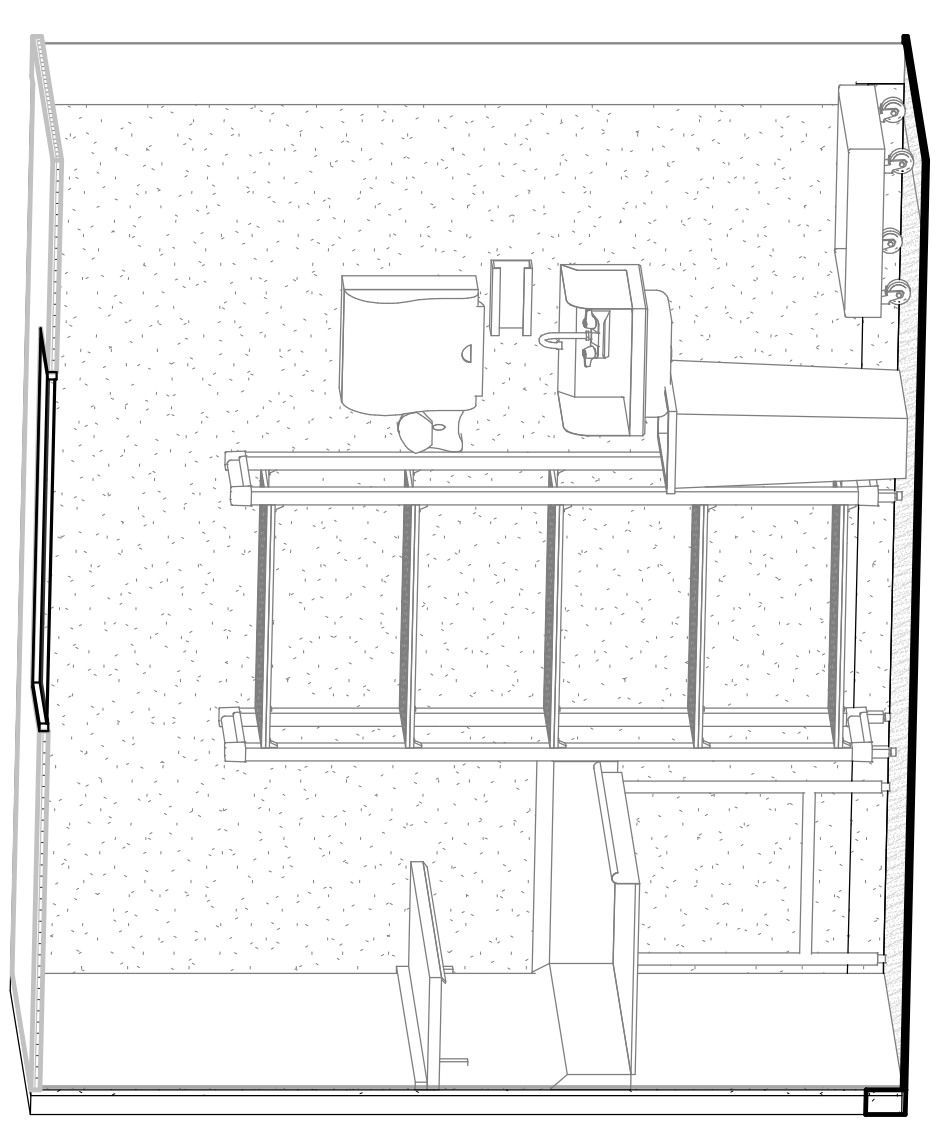
Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

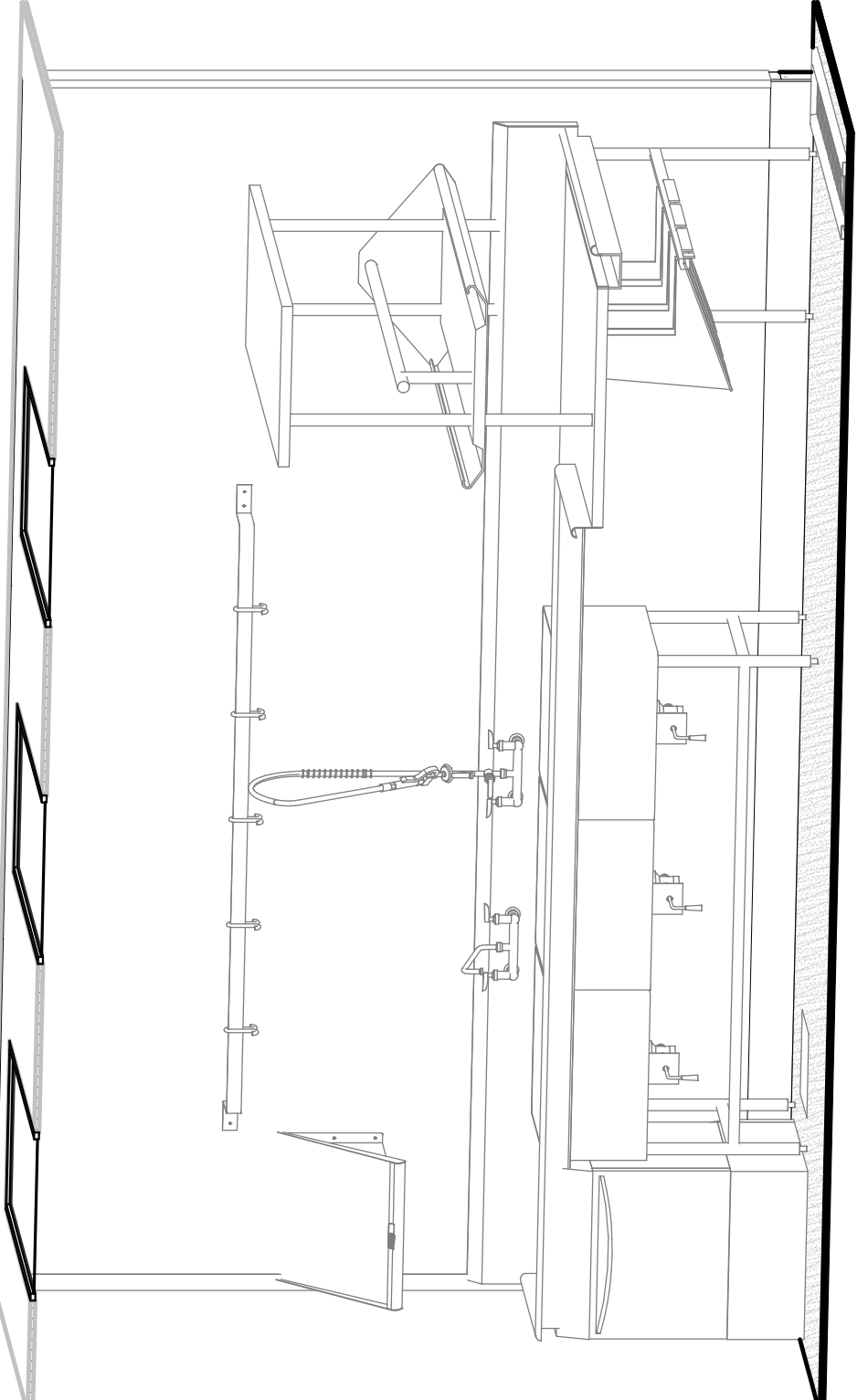
FOODSERVICE 3D VIEWS
SHEET



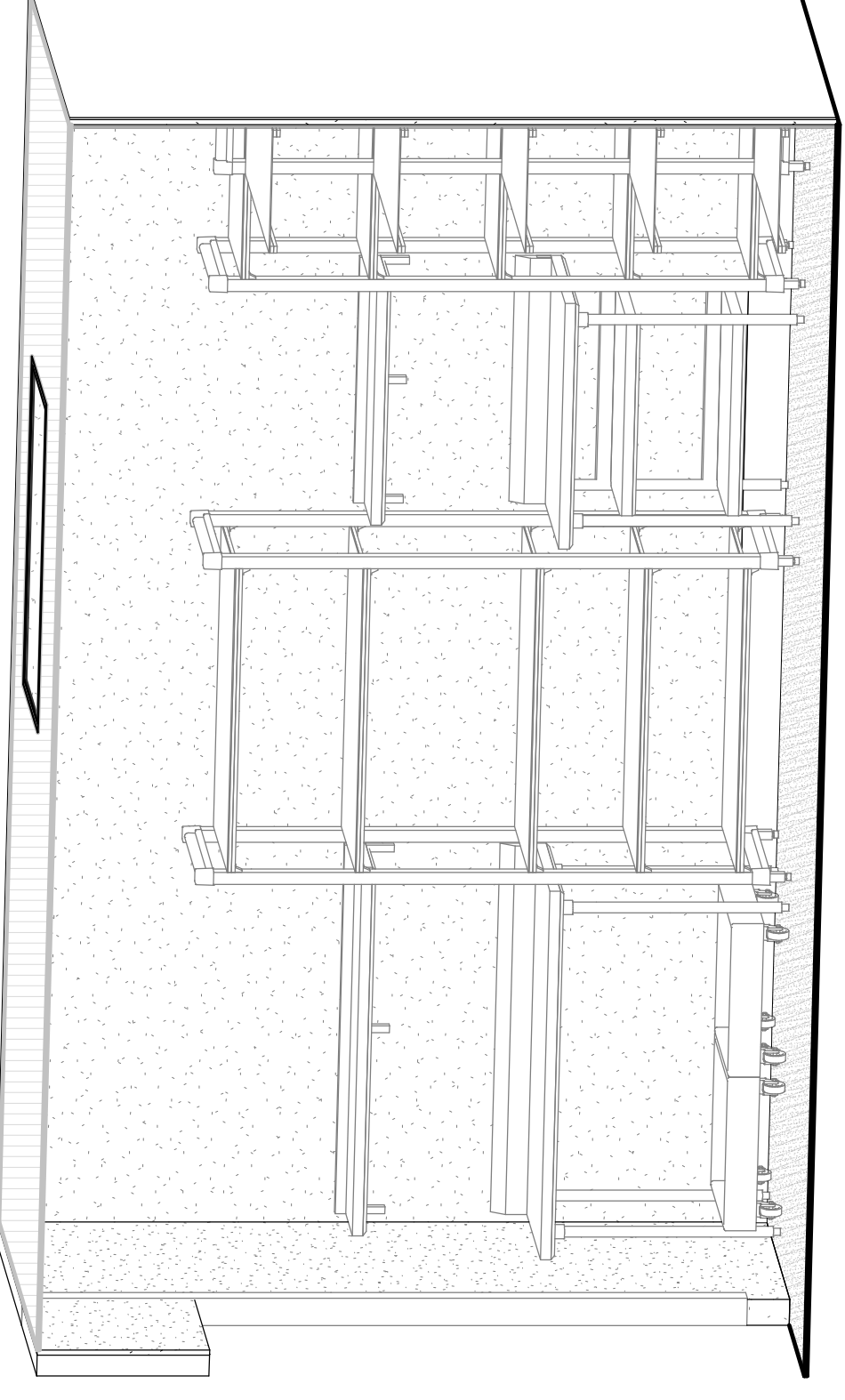
① 3D VIEW - DISHWASHER AREA A



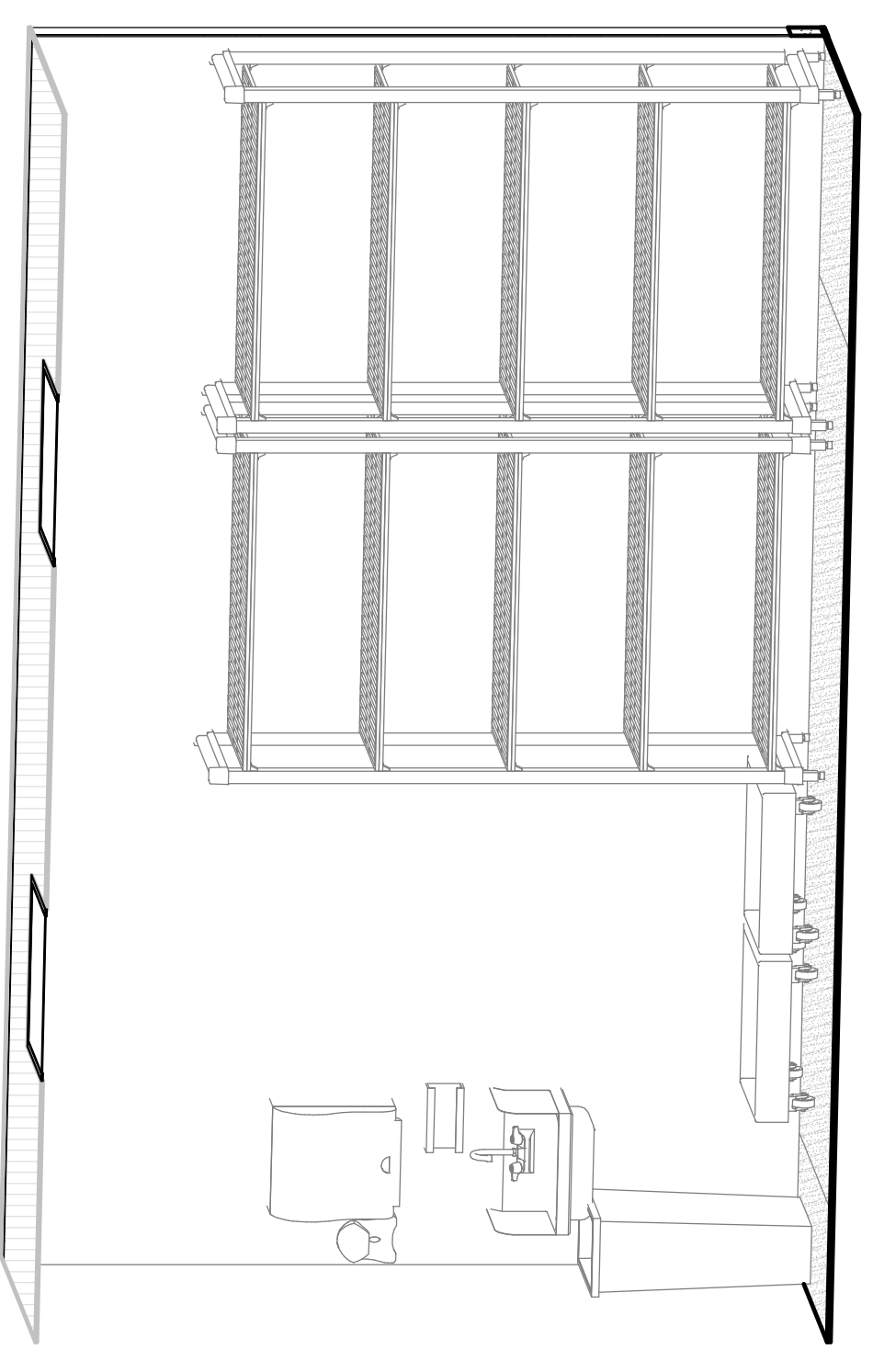
② 3D VIEW - DISHWASHER AREA B



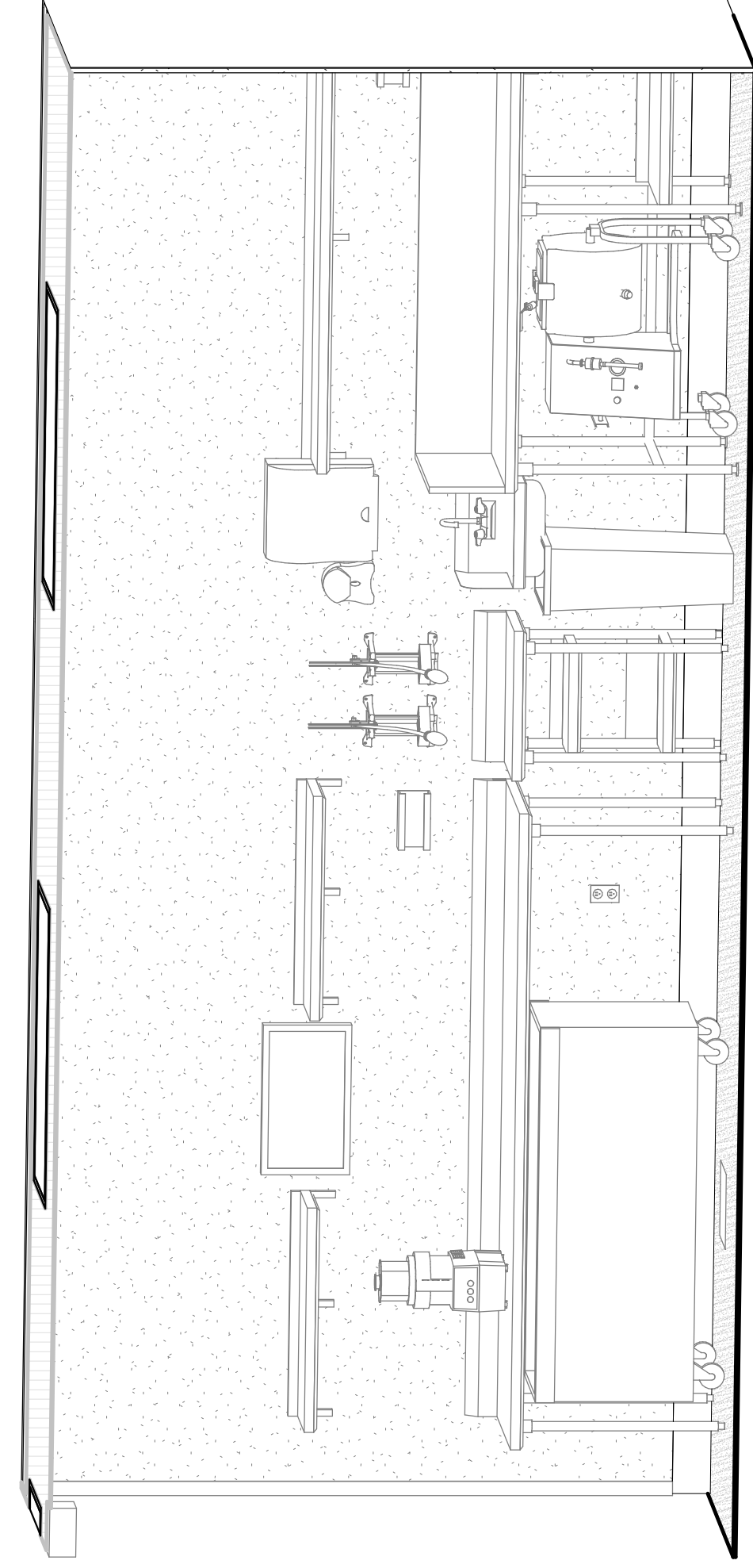
③ 3D VIEW - DISHWASHER AREA C



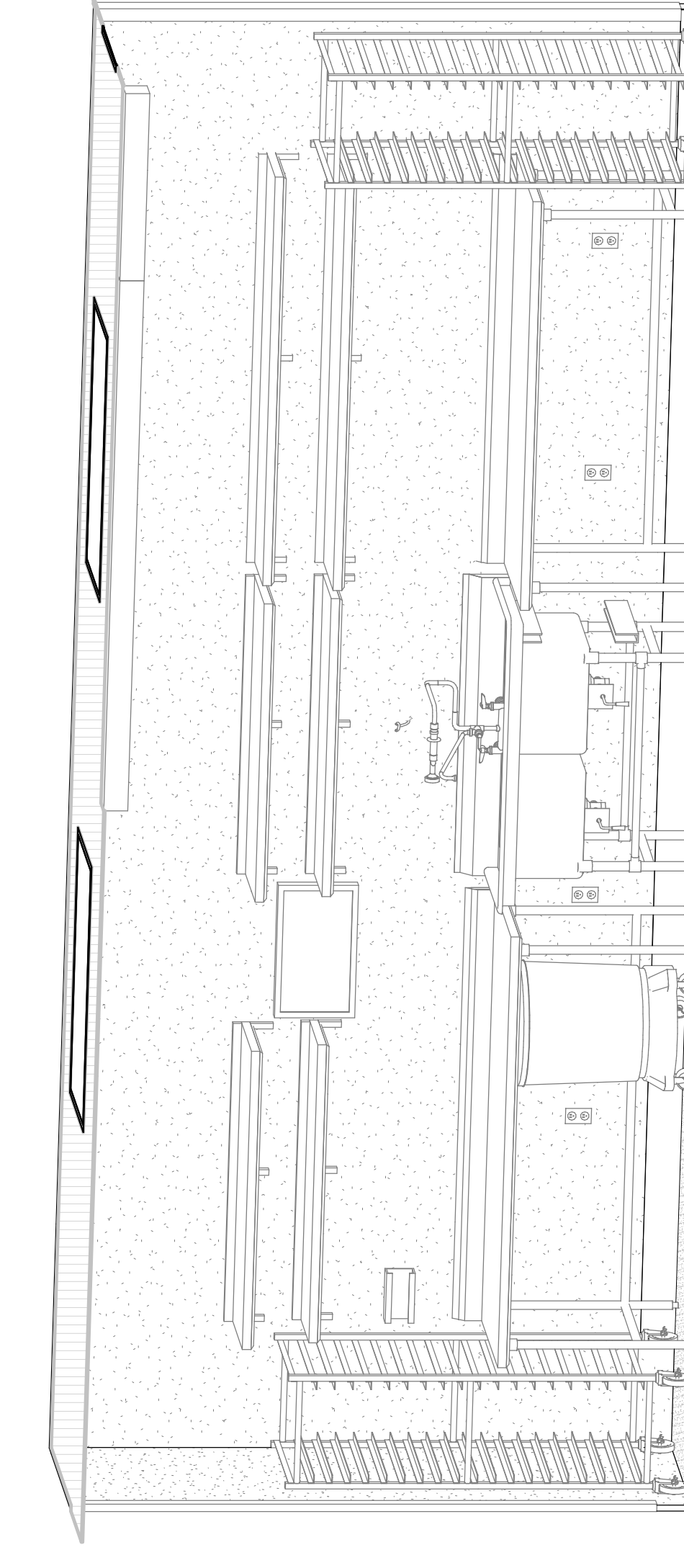
④ 3D VIEW - DISHWASHER AREA D



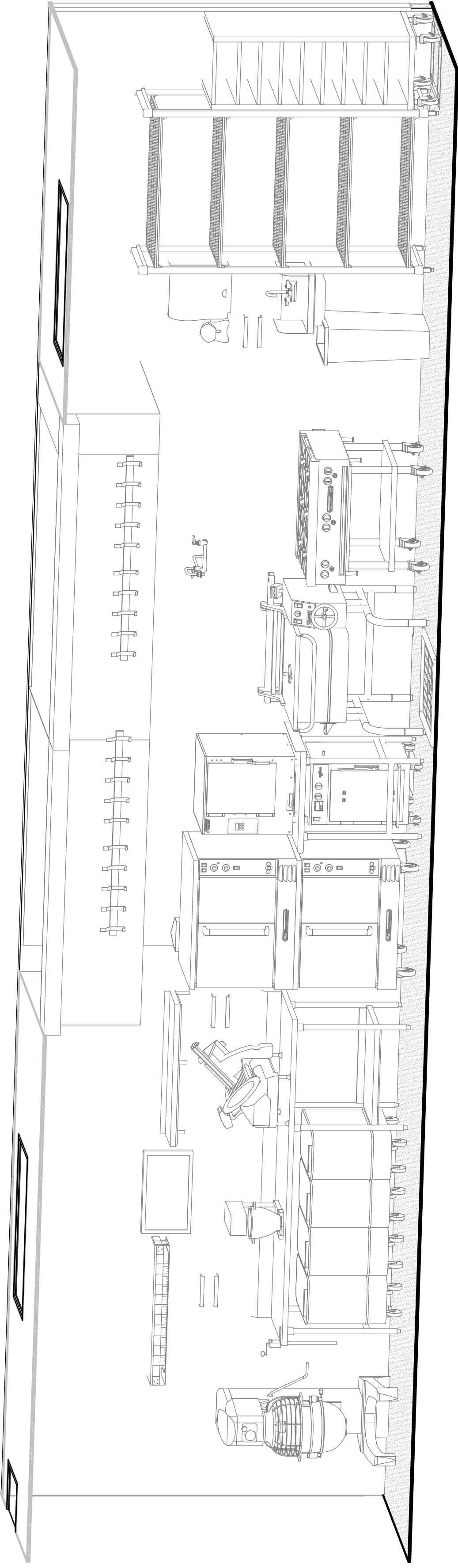
⑤ 3D VIEW - DISHWASHER AREA E



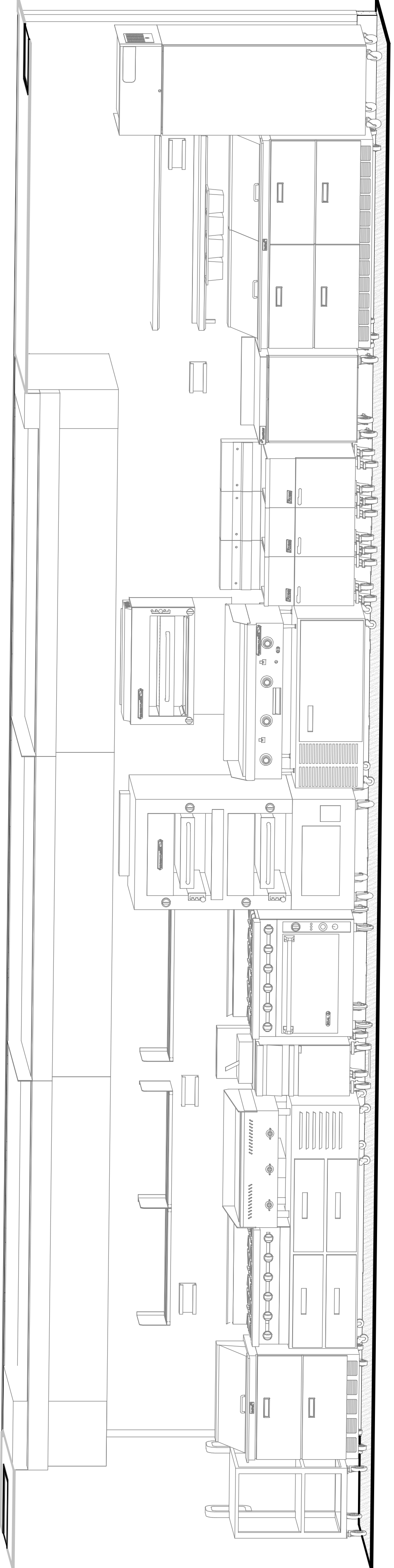
⑥ 3D VIEW - PREP AREA A



⑦ 3D VIEW - PREP AREA B



⑧ 3D VIEW - PREP AREA D/ PREP COOKLINE



⑨ 3D VIEW - EXPO COOKLINE

REVISIONS	
DATE	NO. DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

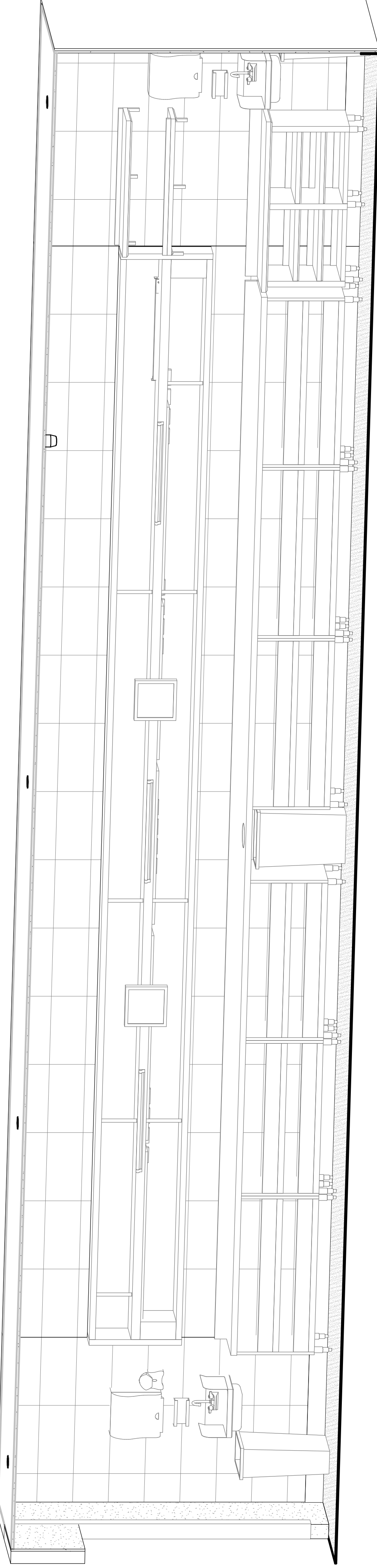
PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

FOODSERVICE 3D VIEWS AND ELEVATIONS

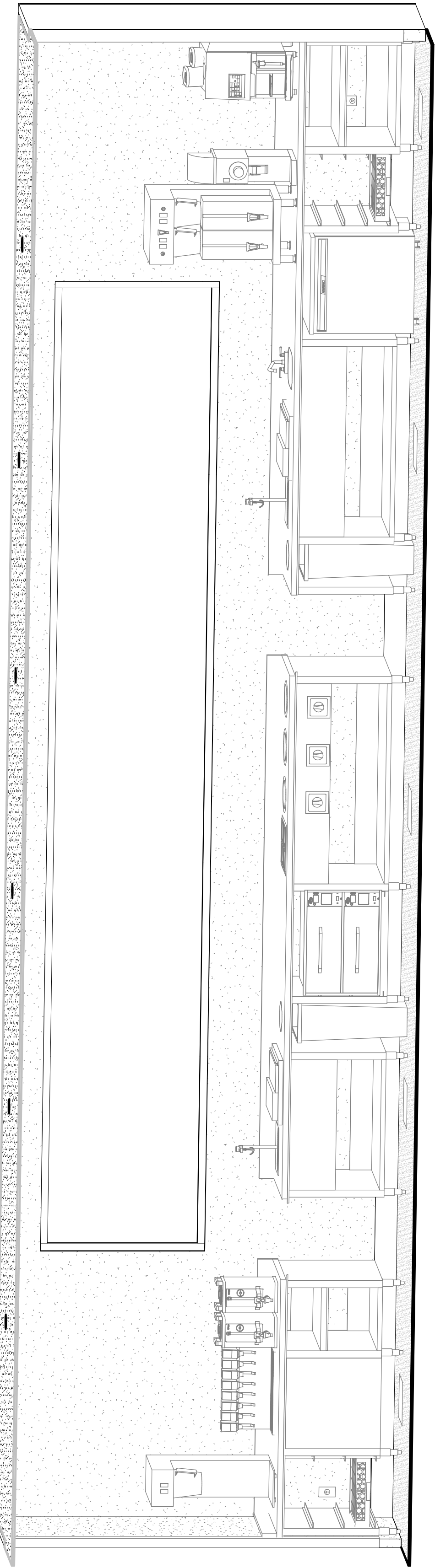
SHEET NUMBER
QF505



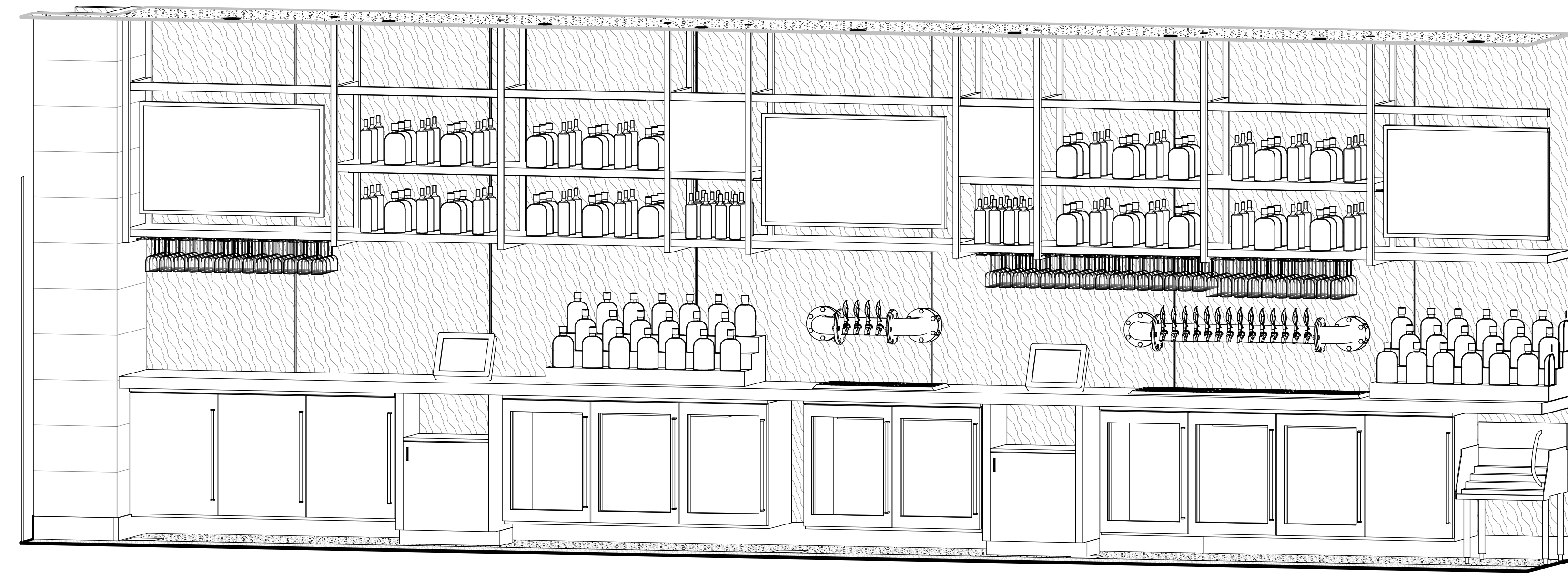
① 3D VIEW - CHEF'S COUNTER A



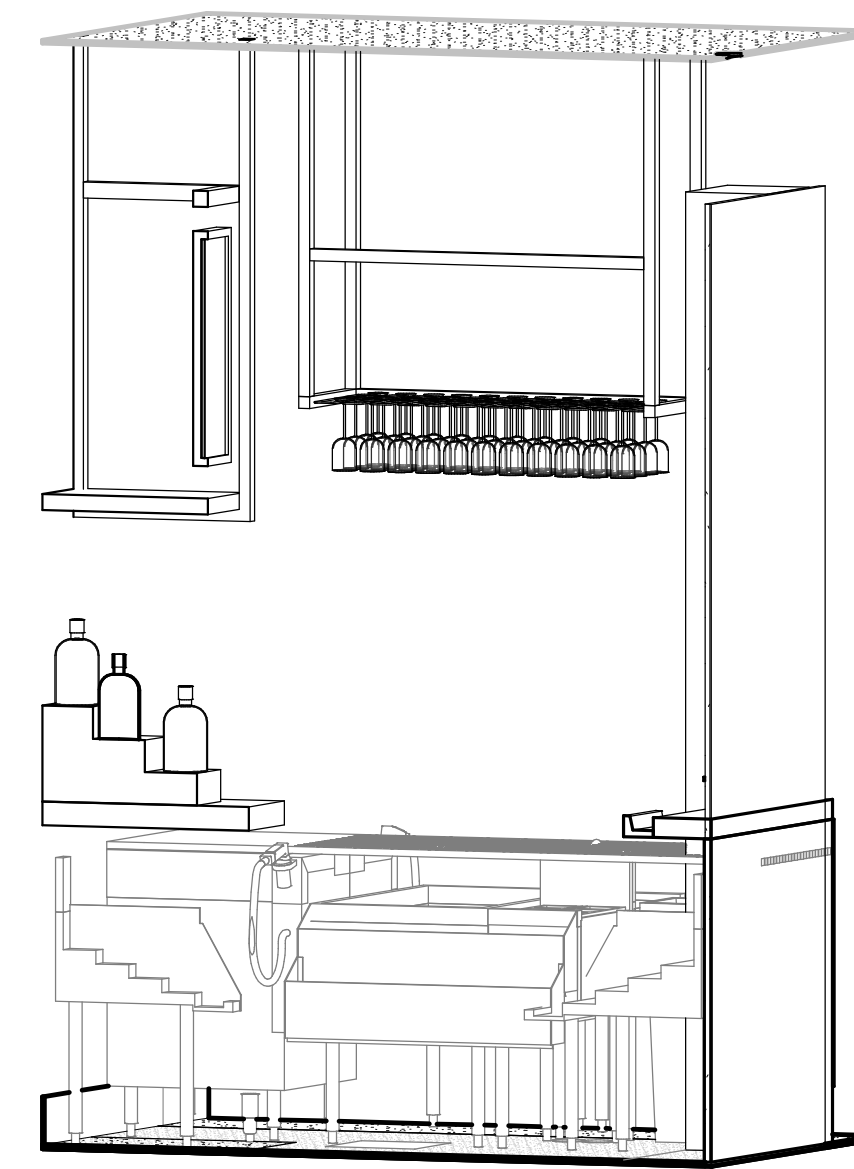
② 3D VIEW - CHEF'S COUNTER B



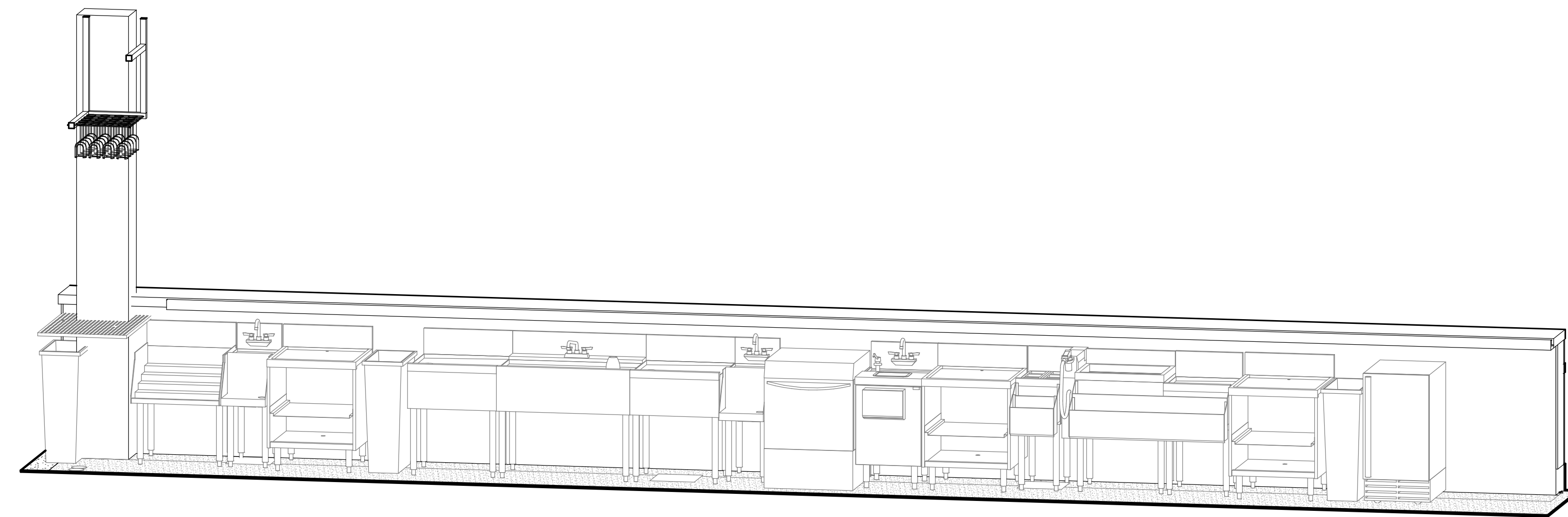
③ 3D VIEW - BEVERAGE COUNTER



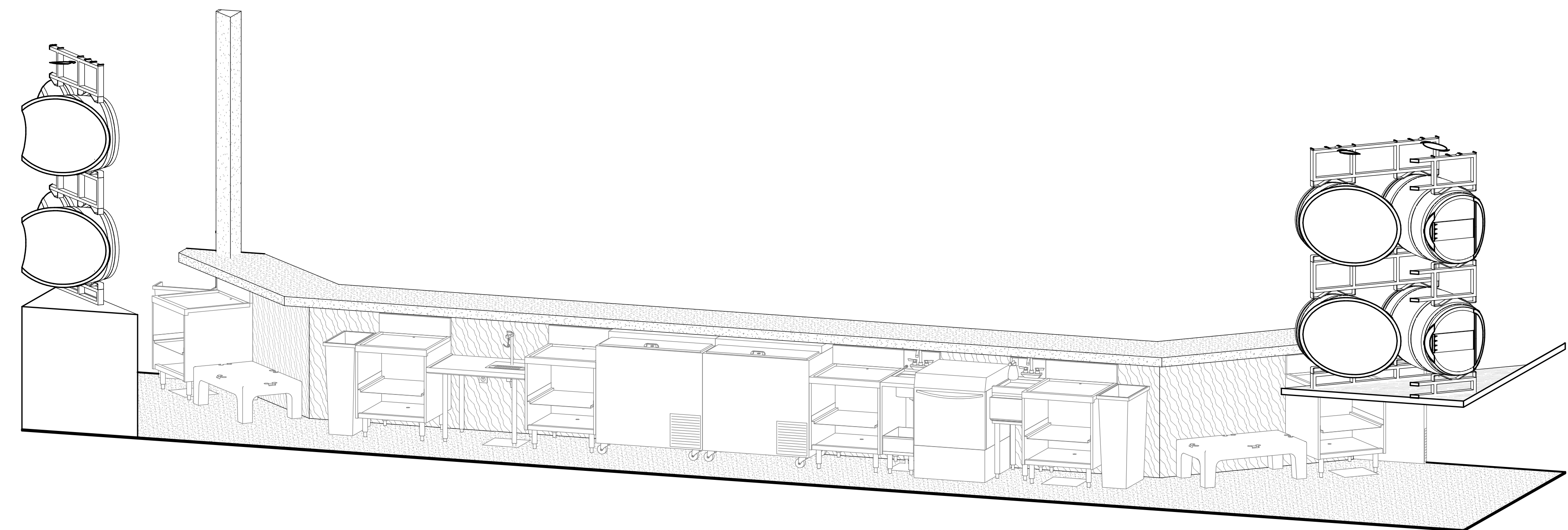
① 3D VIEW - BACK BAR



② 3D VIEW - COCKTAIL SERVICE



③ 3D VIEW - FRONT BAR



④ 3D VIEW - TASTING BAR

REVISIONS

DATE	NO.	DESCRIPTION

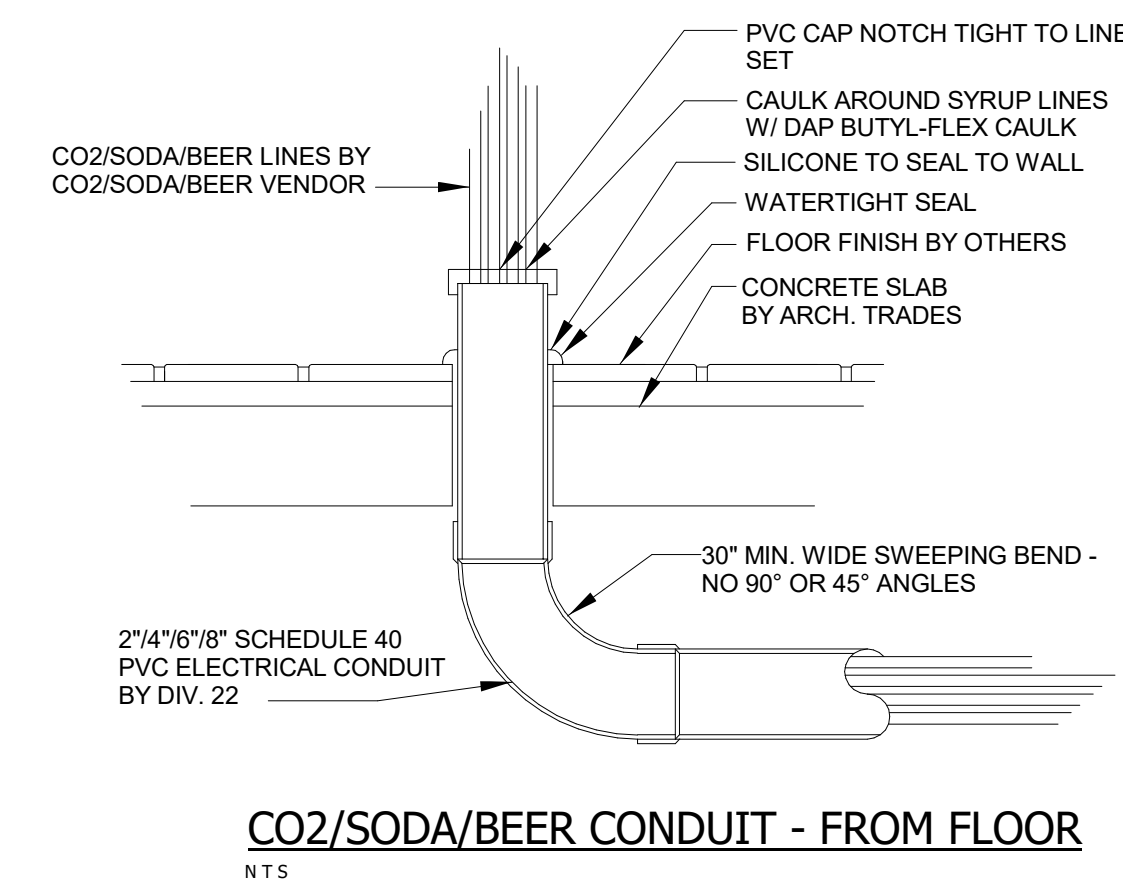
Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	APPROVED
ABW	AHS

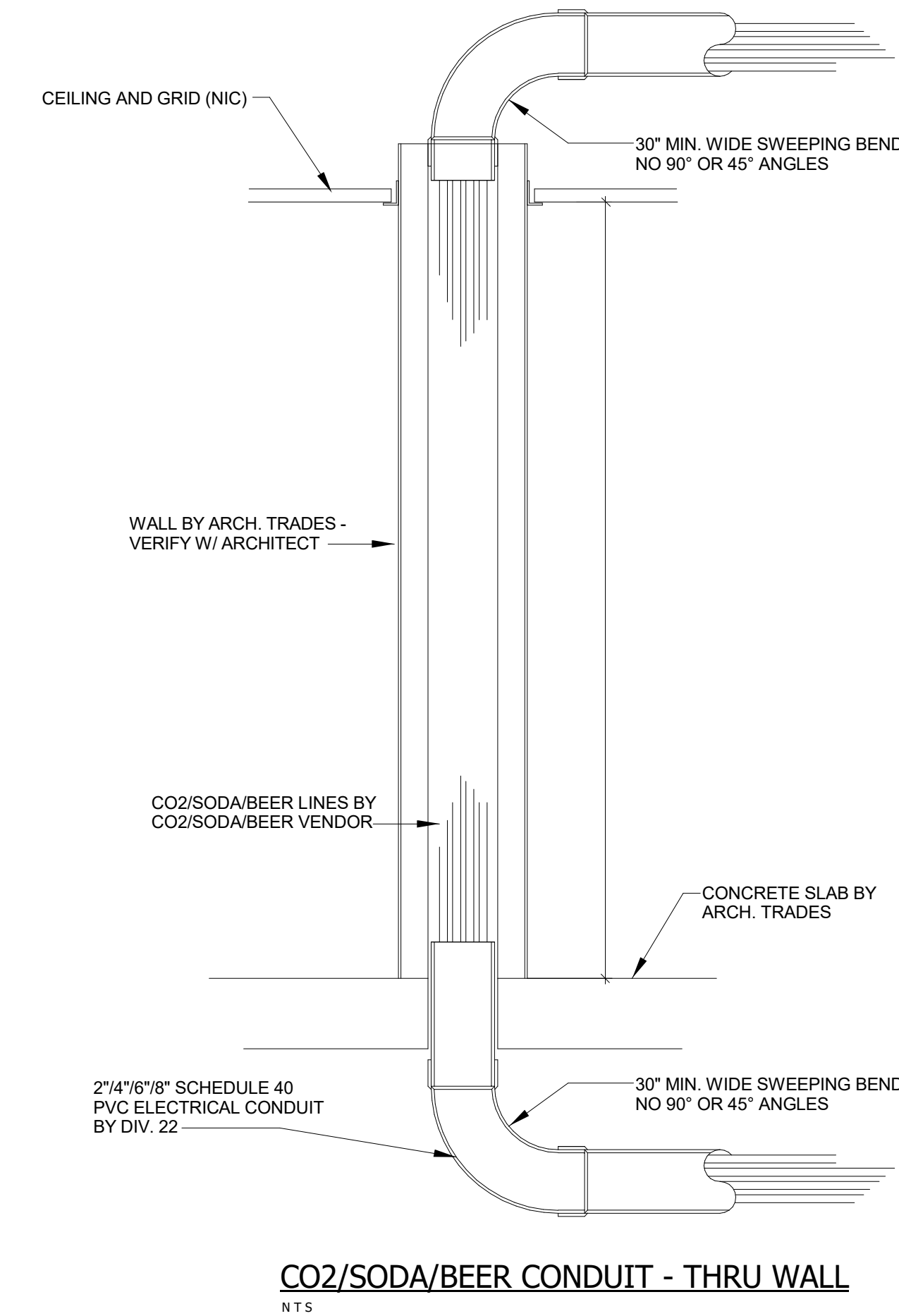
SHEET
FOODSERVICE 3D VIEWS AND ELEVATIONS

SHEET NUMBER:
QF506

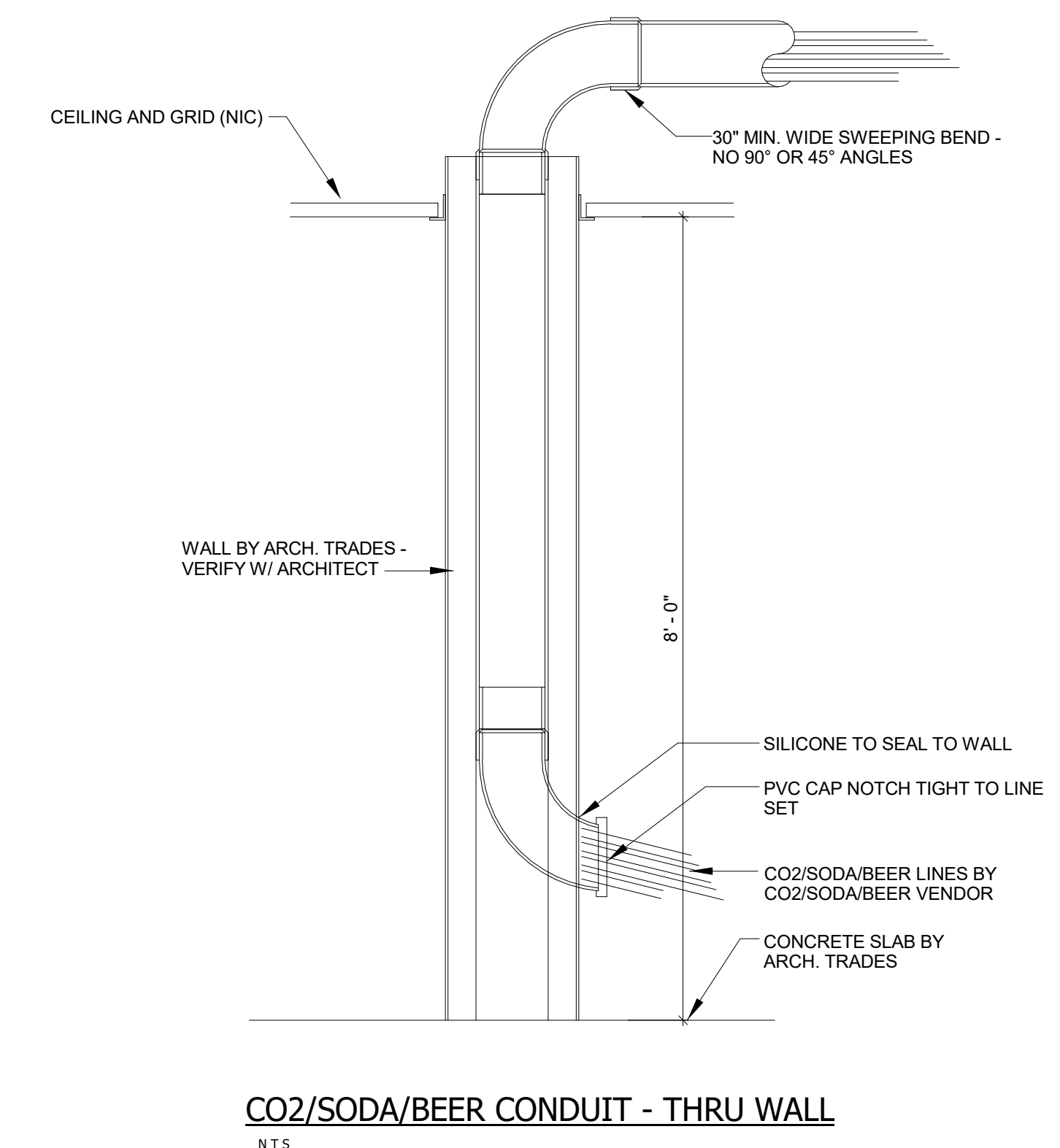
UNDER SLAB CHASE FOR BEVERAGE LINES SHALL HAVE A PVC CAP AND SEALED WITH SILICONE CAULK



1 DETAIL - BEVERAGE CONDUIT FROM FLOOR
Not to Scale



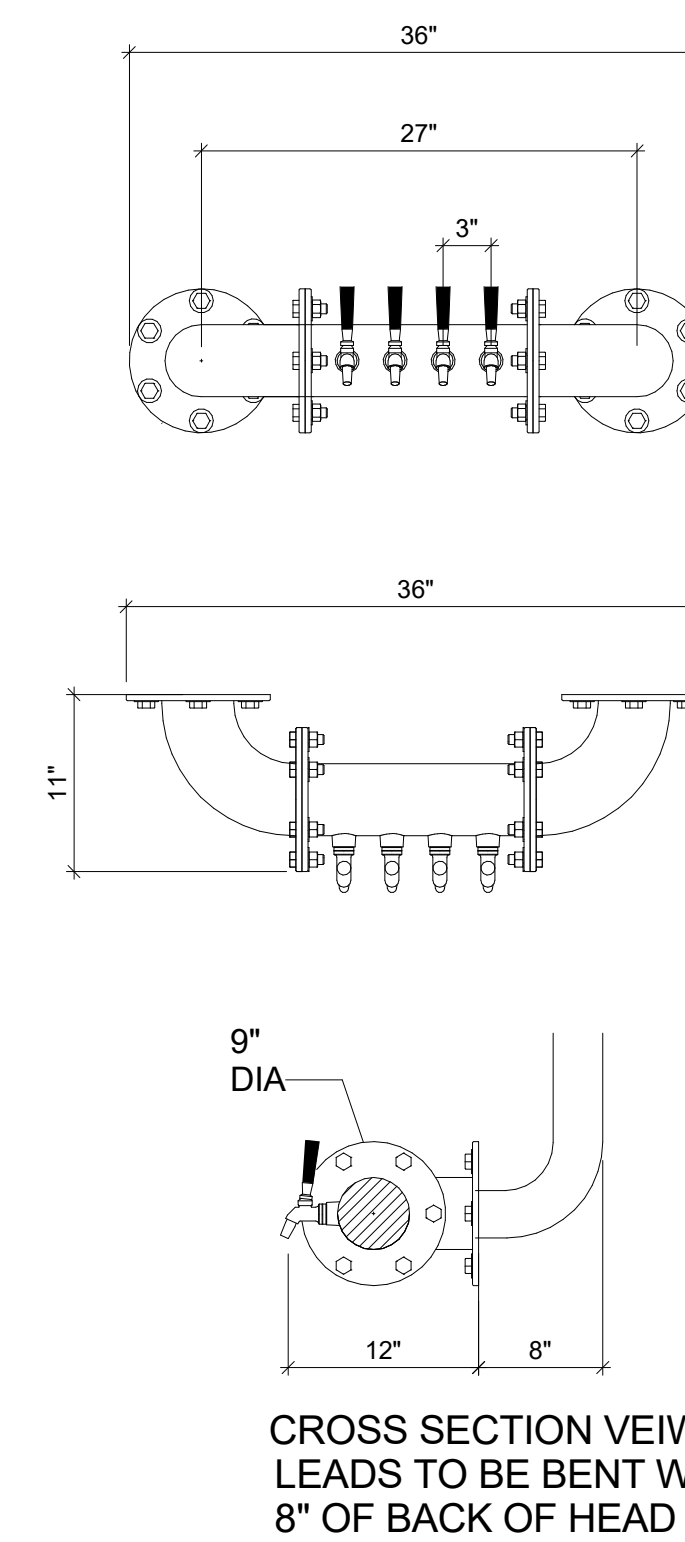
2 DETAIL - BEVERAGE CONDUIT THRU WALL
Not to Scale



3 DETAIL - BEVERAGE CONDUIT THRU WALL
Not to Scale

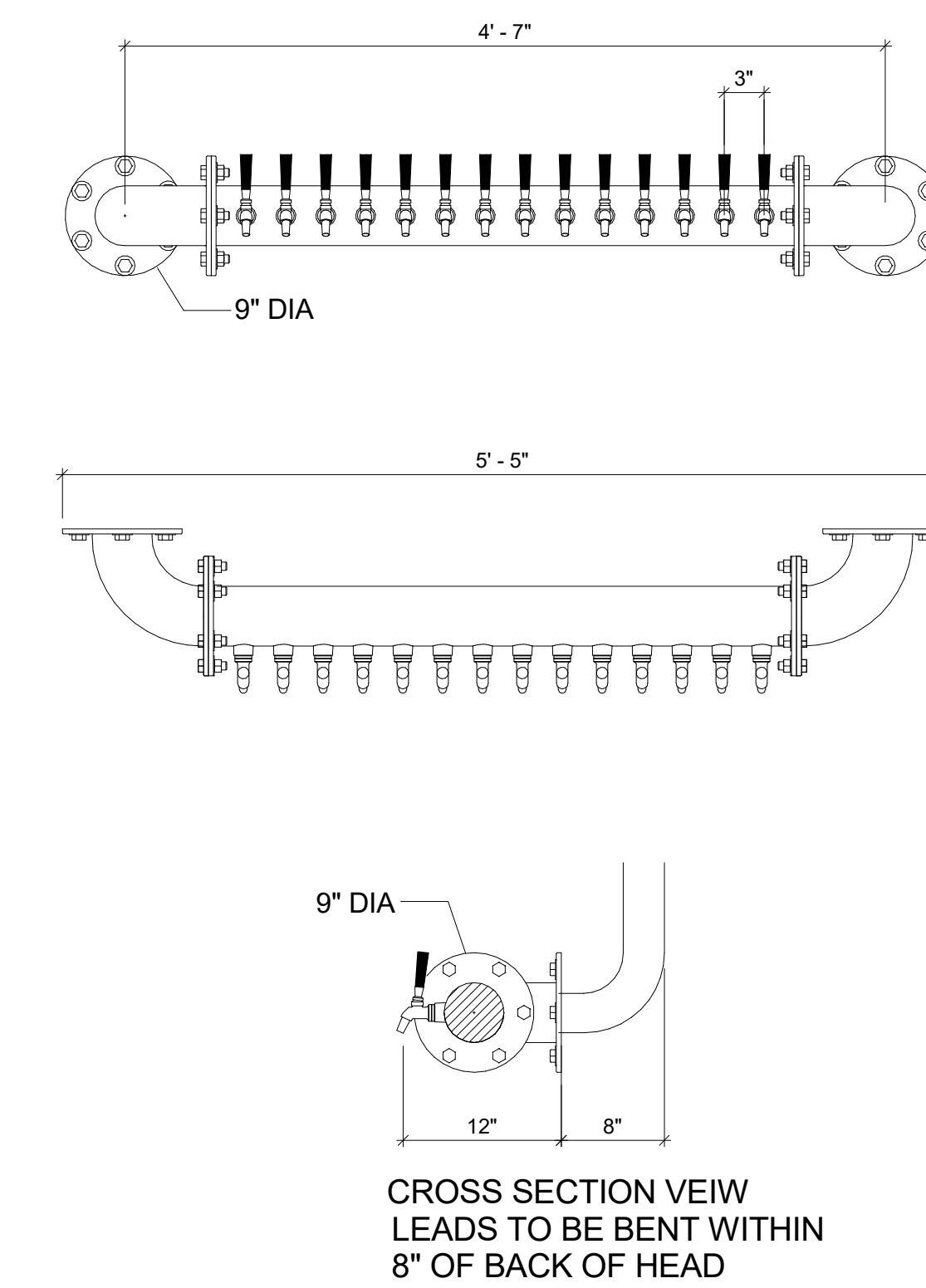
REVISIONS

DATE	NO.	DESCRIPTION



ITEM #14 BREW PIPE BEER TOWER
PROVIDE BLOCKING IN THE WALL FOR TOWERS. REFERENCE ARCHITECTURAL DWGS FOR SPECIFICATIONS

4 DETAIL - BREW PIPE BEER TOWER
Not to Scale



ITEM #15 BREW PIPE WINE TOWER
PROVIDE BLOCKING IN THE WALL FOR TOWERS. REFERENCE ARCHITECTURAL DWGS FOR SPECIFICATIONS

5 DETAIL - BREW PIPE WINE TOWER
Not to Scale

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	As indicated
DRAWN	APPROVED
ABW	AHS

SHEET
FOODSERVICE DETAILS

SHEET NUMBER:
QF600

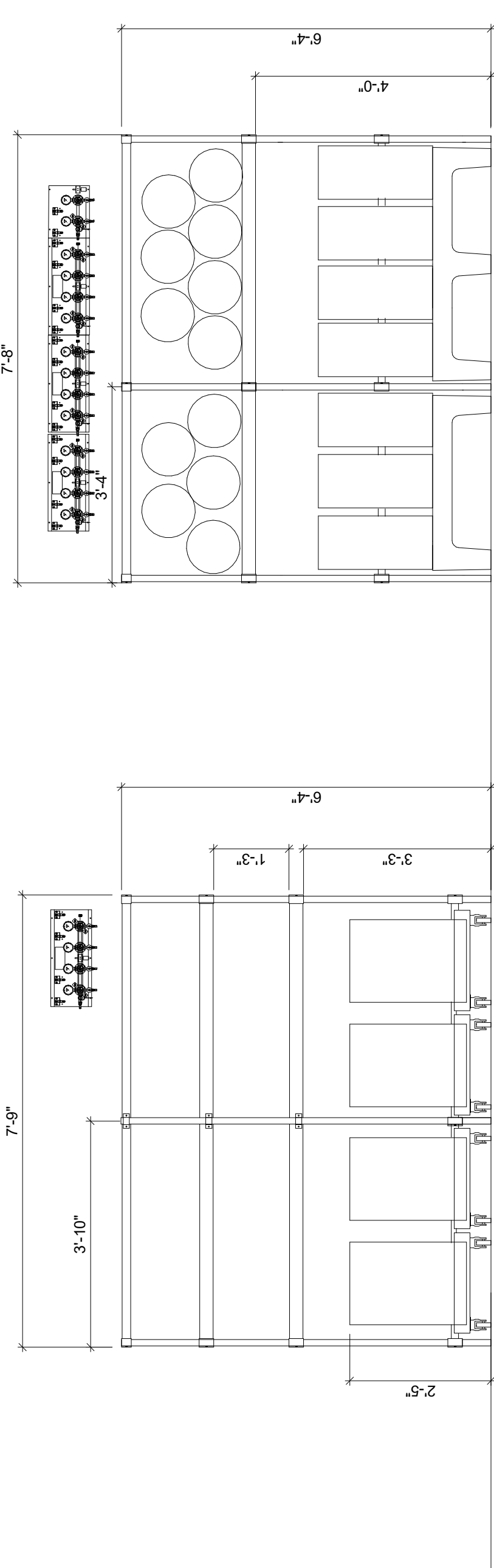
DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	1/2" = 1'-0"
DRAWN	ABW
APPROVED	AHS

FOODSERVICE DETAILS

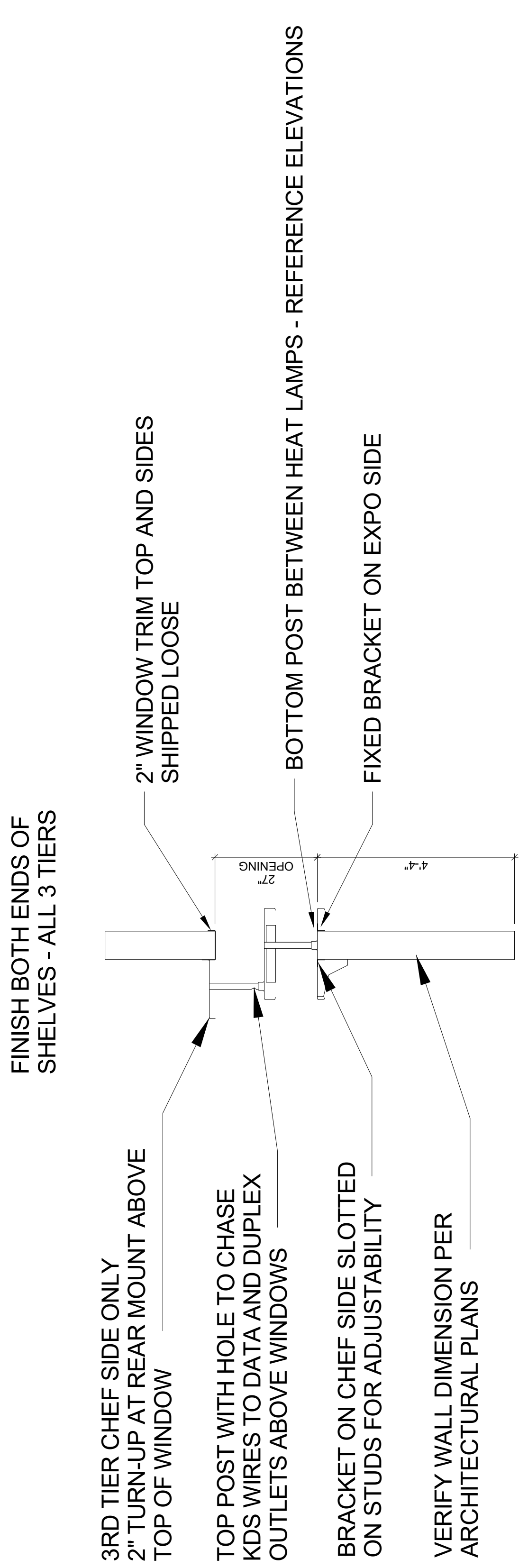
SHEET NUMBER
QF601



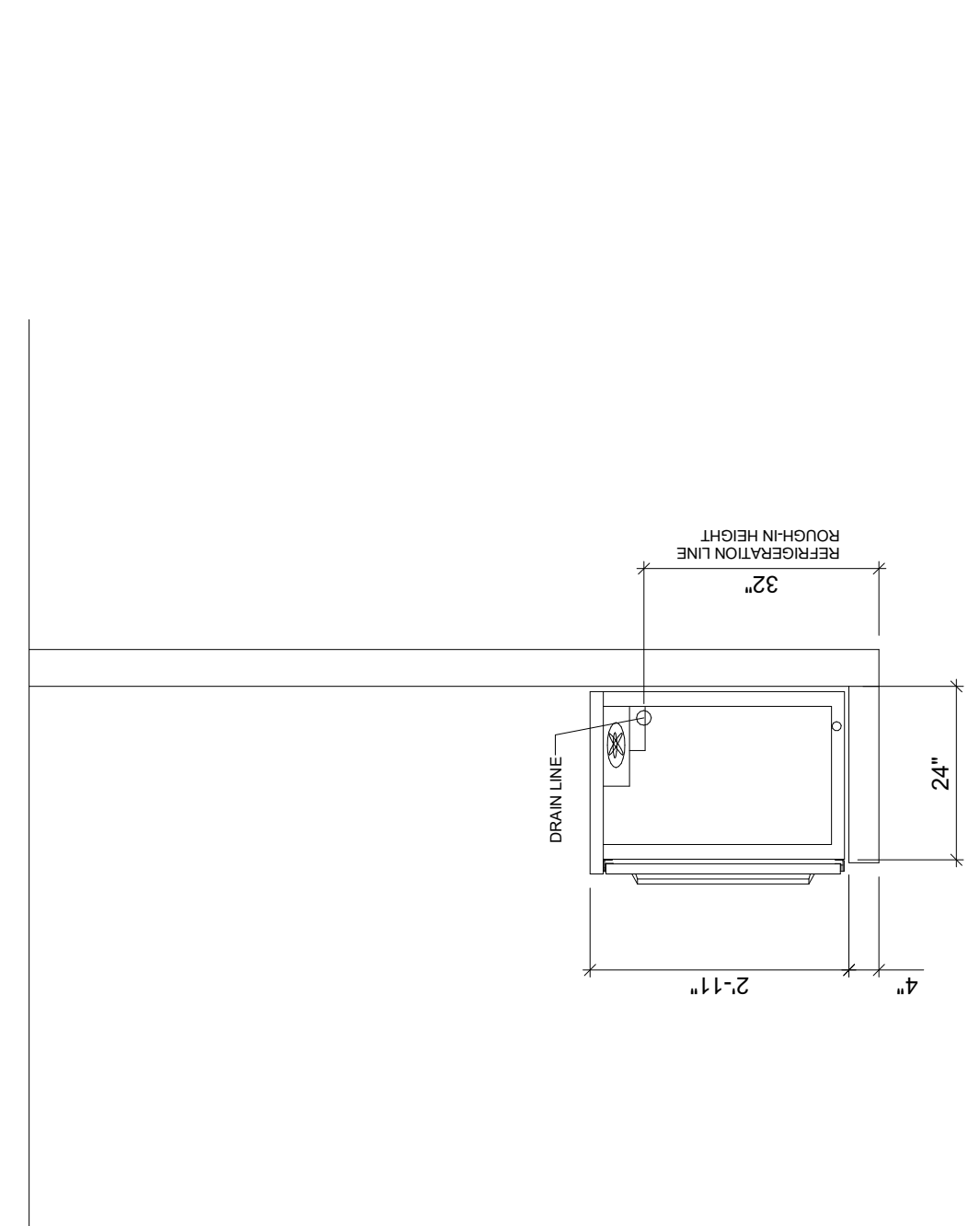
NEW AGE KEG RACK ITEM #99
#94275 MODIFIED 3 SHELVES W/ CROSS
BRACING 93"L X 76"H
KEG RACK DOLLY'S BY OTHERS

6 DETAIL - KEG RACK
Not to Scale

NEW AGE KEG RACK ITEM #99
#94275 MODIFIED 2 SHELVES W/ CROSS
BRACING 93"L X 76"H
SUPPLIED W/ 2 DUNNAGE RACKS



8 DETAIL - PASS THRU SHELF
Not to Scale



ITEM # 11, #12 REMOTE BACK BAR COOLER
REFRIGERATION LINES RUN FROM UP OVER HEAD DOWN
THRU WALL AND BRANCH TO CONNECTION

7 DETAIL - REMOTE BACKBAR COOLER
Not to Scale

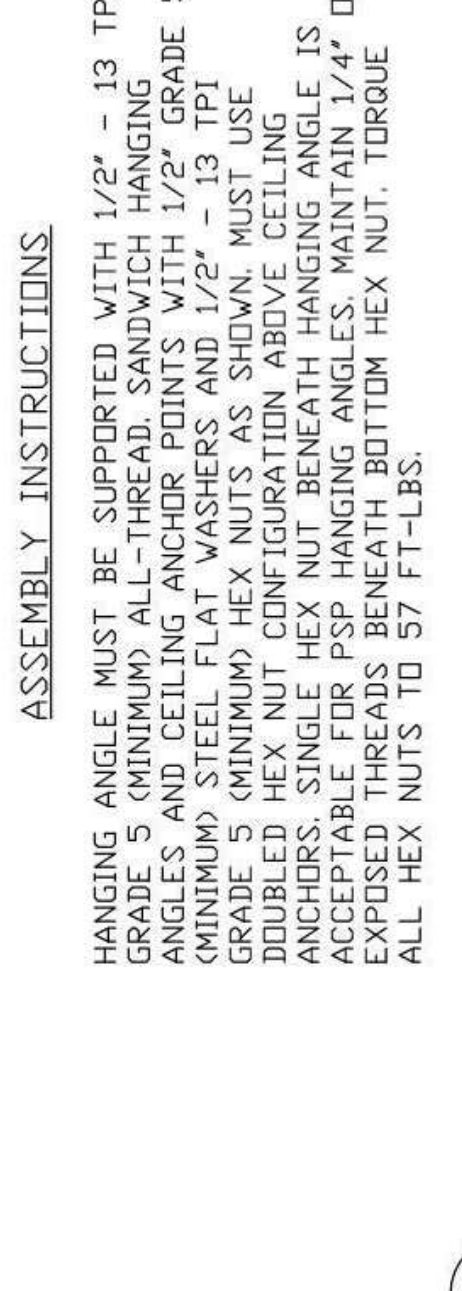
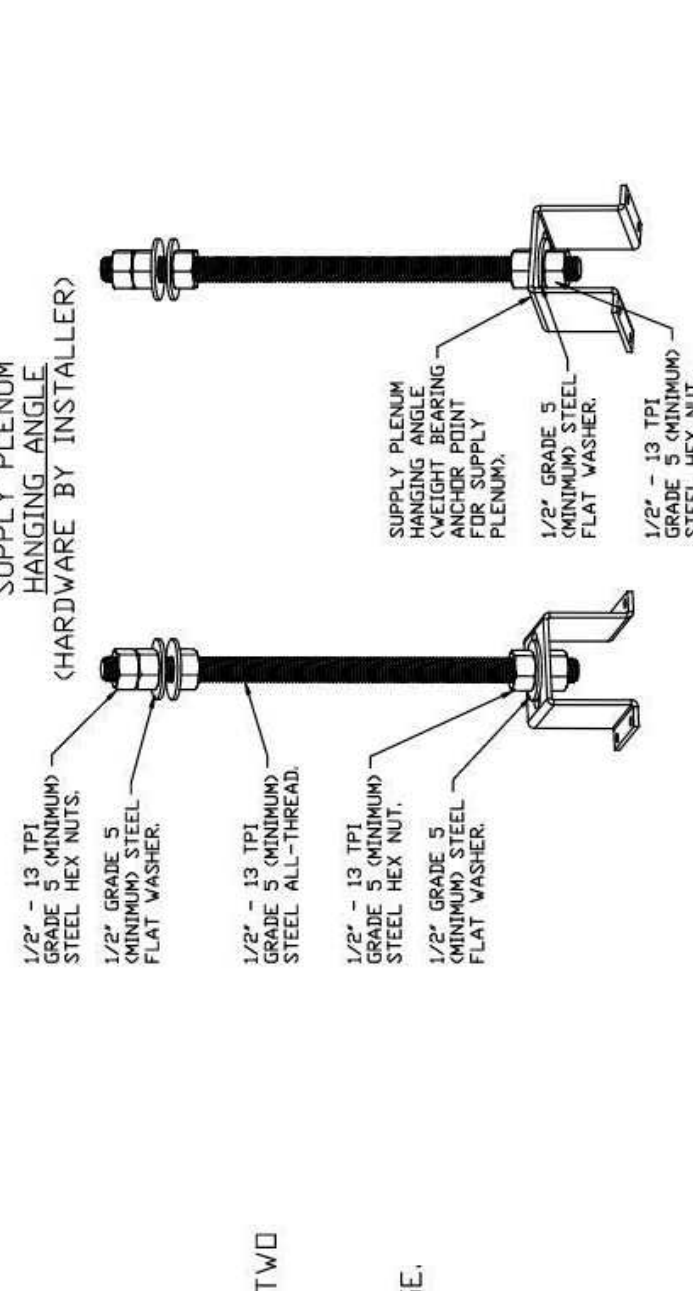
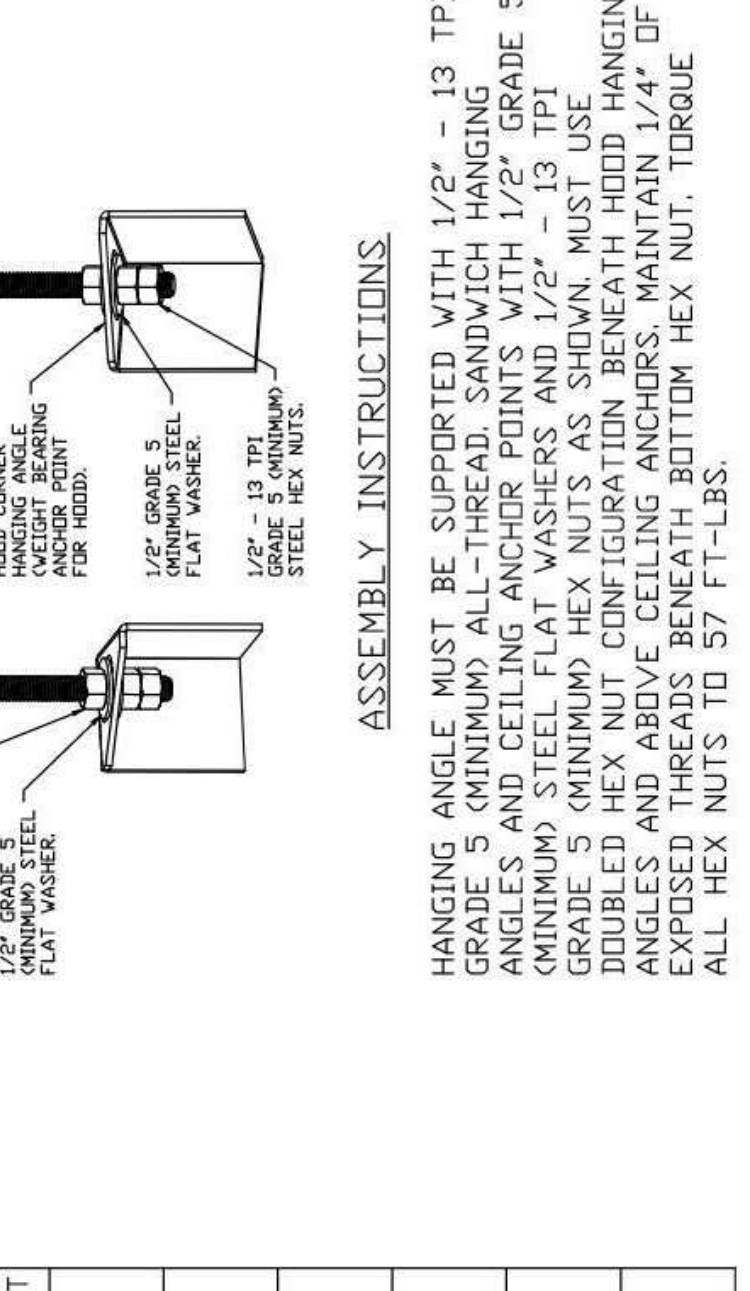
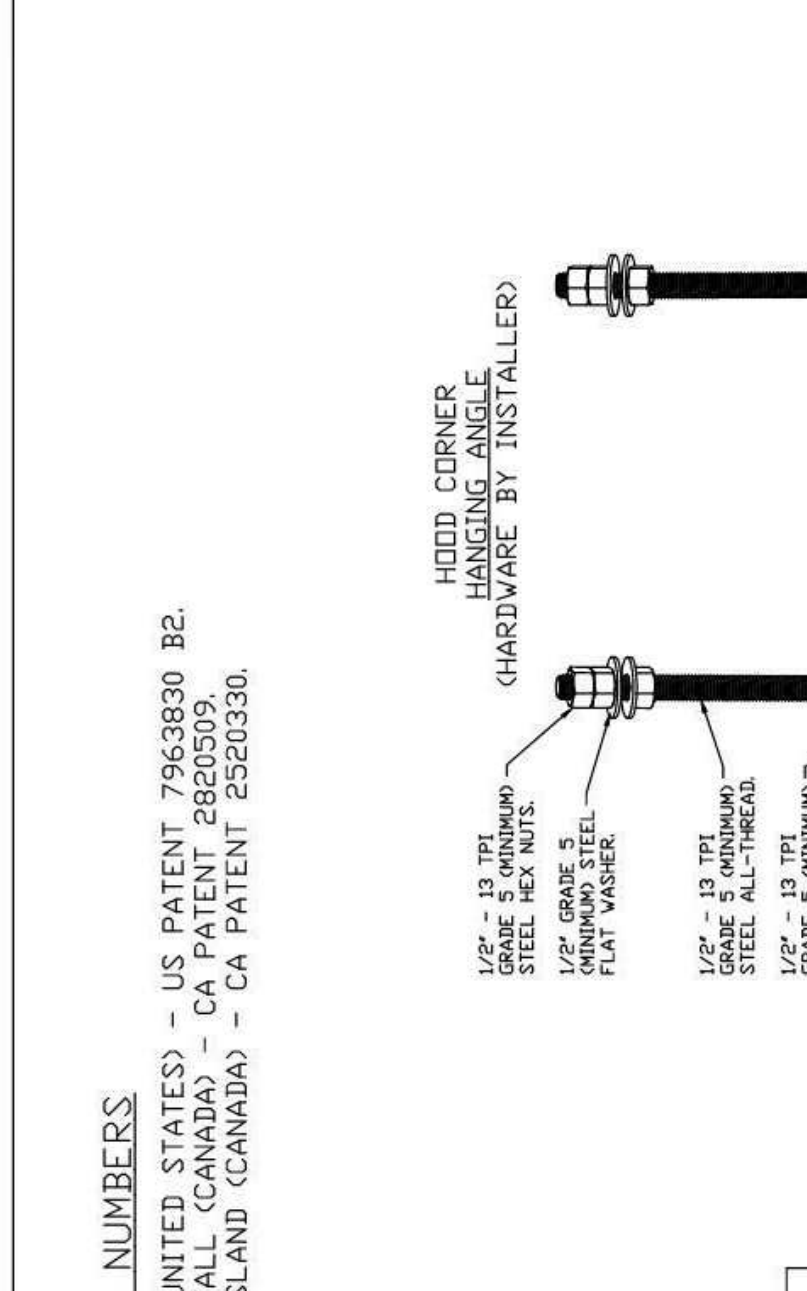
REVISIONS table with columns: DATE, NO., DESCRIPTION

Cooper's Hawk Winery

Cooper's Hawk - Wellington, FL 33414

Project information table: PROJECT, DATE, SCALE, DRAWING, SHEET NO.

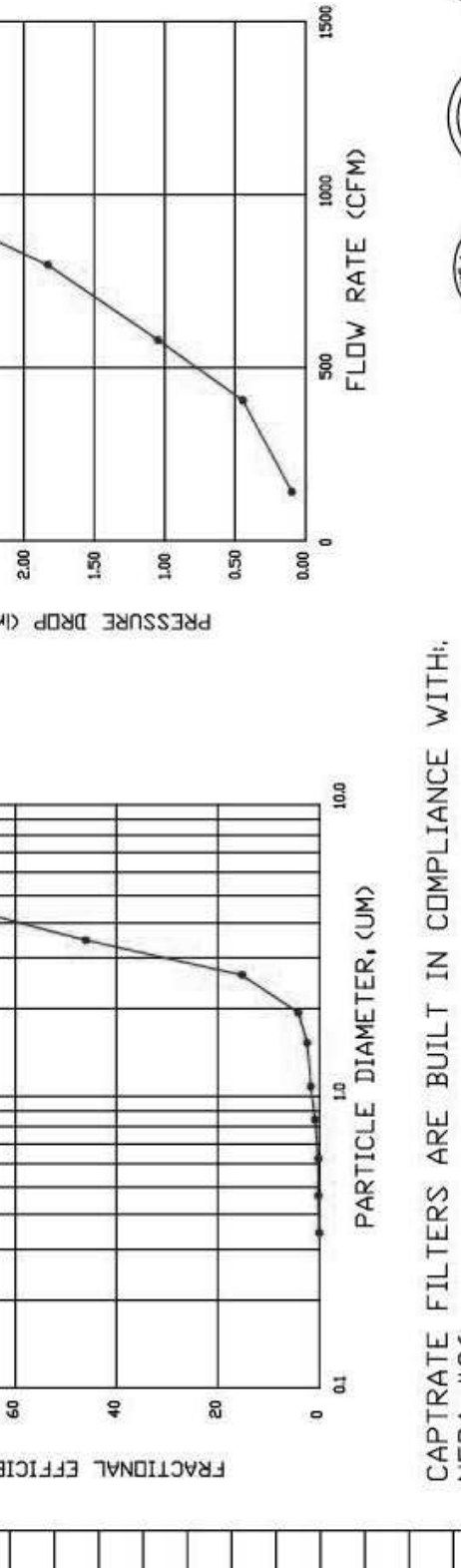
REVISIONS table with columns: NO., DATE, DESCRIPTION



HOOD INFORMATION table with columns: HOOD NO, TAG, MODEL, MANUFACTURER, LENGTH, MAX COOKING TEMP, TYPE, APPLIANCE DUTY, DESIGN CFM/FI, EXH, TOTAL SUPPLY CFM, HOOD CONSTRUCTION, HOOD CORNER END TO END, R/OV, QUANTITY, LOCATION, SWITCHES

UTILITY CABINETS table with columns: HOOD NO, TAG, MODEL #, SIZE, TYPE, FIRE SYSTEM, FIRE SYSTEM PIPING WEIGHT

HOOD INFORMATION table with columns: HOOD NO, TAG, MODEL, MANUFACTURER, LENGTH, MAX COOKING TEMP, TYPE, APPLIANCE DUTY, DESIGN CFM/FI, EXH, TOTAL SUPPLY CFM, HOOD CONSTRUCTION, HOOD CORNER END TO END, R/OV, QUANTITY, LOCATION, SWITCHES



NSF and UL certifications for grease filters.

SYSTEM DESIGN VERIFICATION (SDV) IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL.

HOOD INFORMATION table with columns: HOOD NO, TAG, MODEL, MANUFACTURER, LENGTH, MAX COOKING TEMP, TYPE, APPLIANCE DUTY, DESIGN CFM/FI, EXH, TOTAL SUPPLY CFM, HOOD CONSTRUCTION, HOOD CORNER END TO END, R/OV, QUANTITY, LOCATION, SWITCHES

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PERFORATED SUPPLY PLENUM(S) table with columns: HOOD NO, TAG, PDS, LENGTH, WIDTH, HEIGHT, TYPE, WIDTH, LENG, DIA, CFM, SP

HANGING ANGLE LOCATIONS table with columns: HOOD STYLE, DIM FROM ISBR, DIM FROM ISBL, DIM FROM ISBL, DIM FROM ISBL

CALCULATIONS UTILIZED table with columns: CONVEY, N02, N02-PSP-F, BACKSHELF, BO-2, VHB/VHB-G, DIMS BY SIZE

GENERAL NOTES section containing installation and safety instructions.

CLEARANCE TO COMBUSTIBLES section detailing required clearances for various materials.

GENERAL NOTES section containing additional safety and installation instructions.

FOR QUESTIONS, CALL THE Ohio Robotics Winery at 4320 806 Mosson Rd, Gahanna, OH 43230

CUSTOMER APPROVAL TO MANUFACTURE: Approved as Noted, Approved with NO Exception, Reuse and Resubmit

ADDITIONAL HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE SHOWN ON THIS DRAWING. VERIFY DIMENSIONS PRIOR TO MANUFACTURING.

ADDITIONAL HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE SHOWN ON THIS DRAWING. VERIFY DIMENSIONS PRIOR TO MANUFACTURING.

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REVISIONS	NO.	DESCRIPTION

Cooper's Hawk Winery

Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

VENDOR/CUSTOMER
FABRICATION - HOOD

SHEET NUMBER
QF701

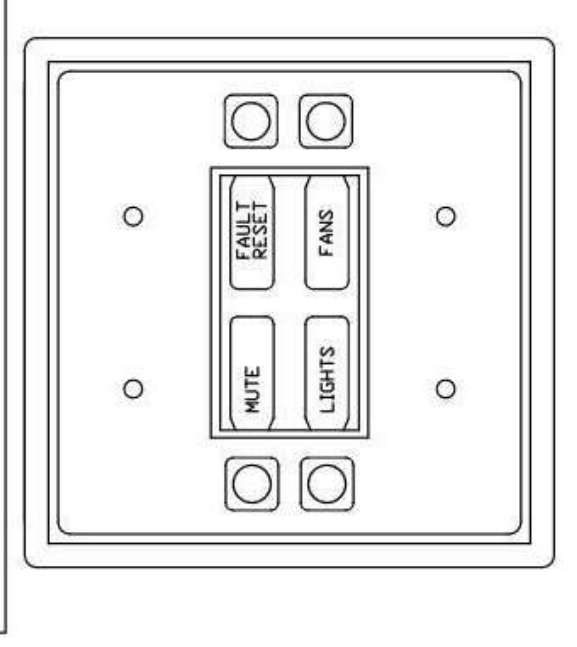
REVISIONS	DATE	DESCRIPTION



DATE:	6/22/2021
DWG #:	4950443
DRAWN BY:	MAP-SE
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO.	2



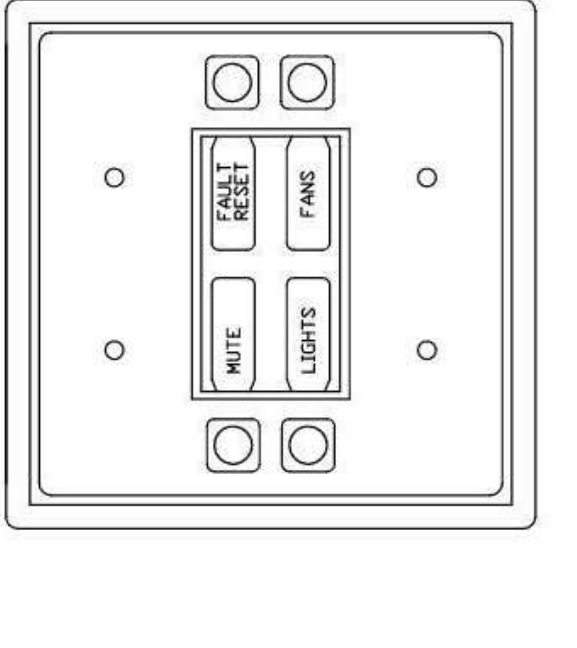
Provides room override based on the room and duct. Installed by electrician on a wall, but off the finished floor in the room. The sensor is mounted in the hood or close to an appliance (including the hood) to ensure accurate readings. The reading is accurate for space.



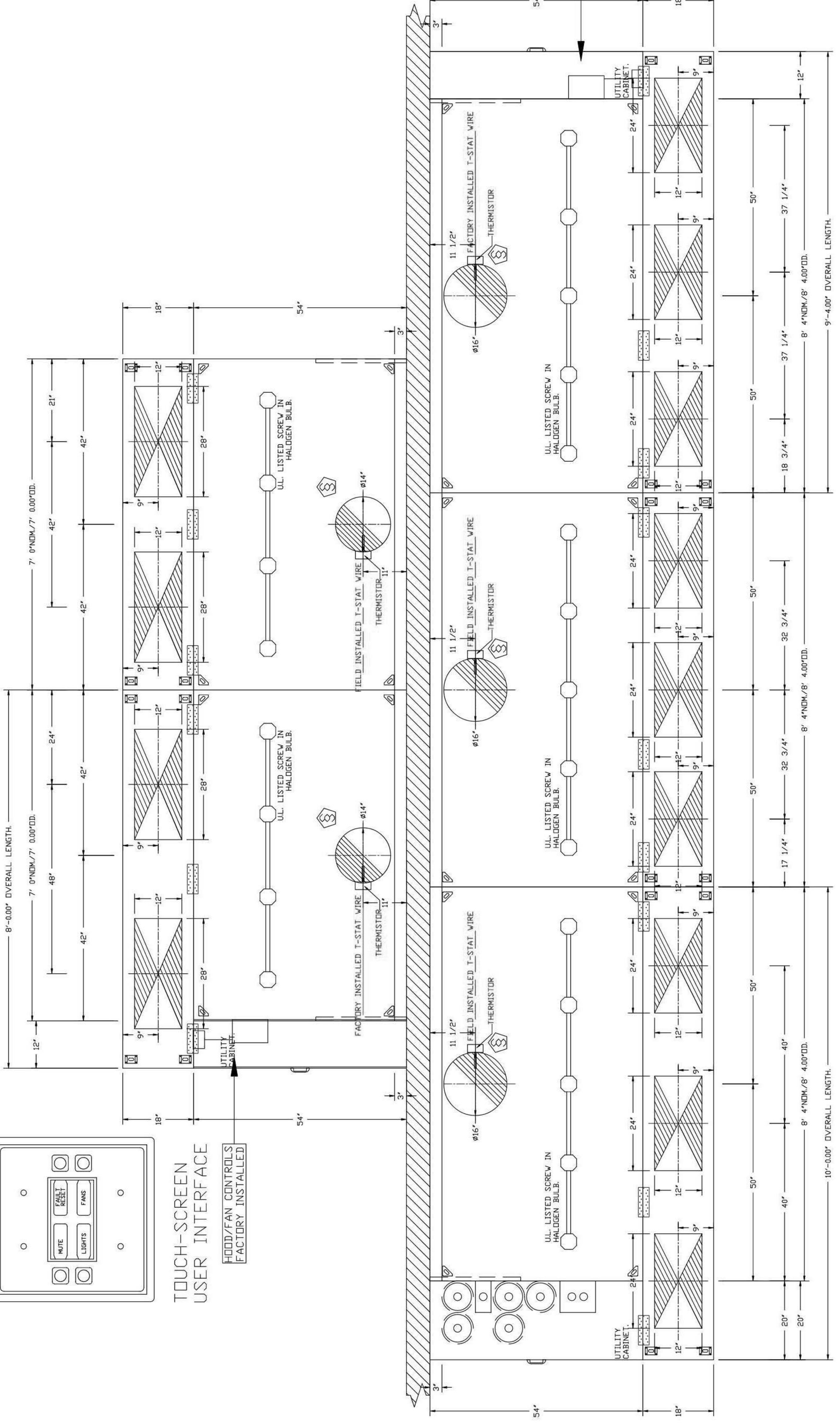
HOOD/FAN CONTROLS
FACTORY INSTALLED



Provides room override based on the room and duct. Installed by electrician on a wall, but off the finished floor in the space but not directly under the hood. The sensor is mounted in the hood or close to an appliance (including the hood) to ensure accurate readings. The reading is accurate for space.



HOOD/FAN CONTROLS
FACTORY INSTALLED



PLAN VIEW - HOOD #3 (Item #58R)
8'-4.00" LONG 5424ND-2-PSP-E

PLAN VIEW - HOOD #2 (Item #58M)
8'-4.00" LONG 5424ND-2-PSP-E

PLAN VIEW - HOOD #1 (Item #58L)
8'-4.00" LONG 5424ND-2-PSP-E

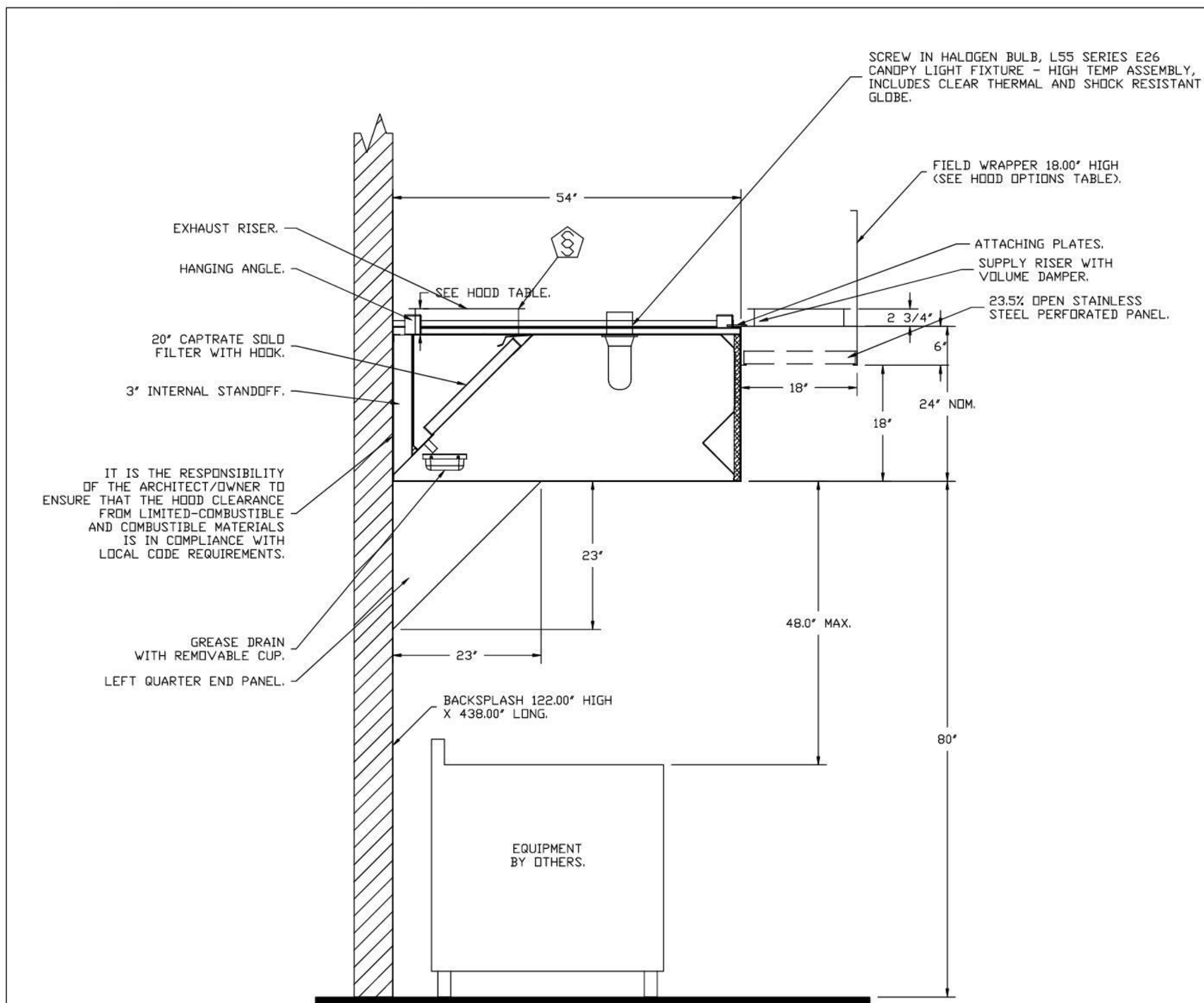
VERIFY CEILING HEIGHT
Height required to fit the hood will fit and to size the enclosure panels

This document contains confidential information, is an instrument of a professional service, and the property of TriMark. It shall not be used on other projects or for the extension of this project without TriMark's written approval.

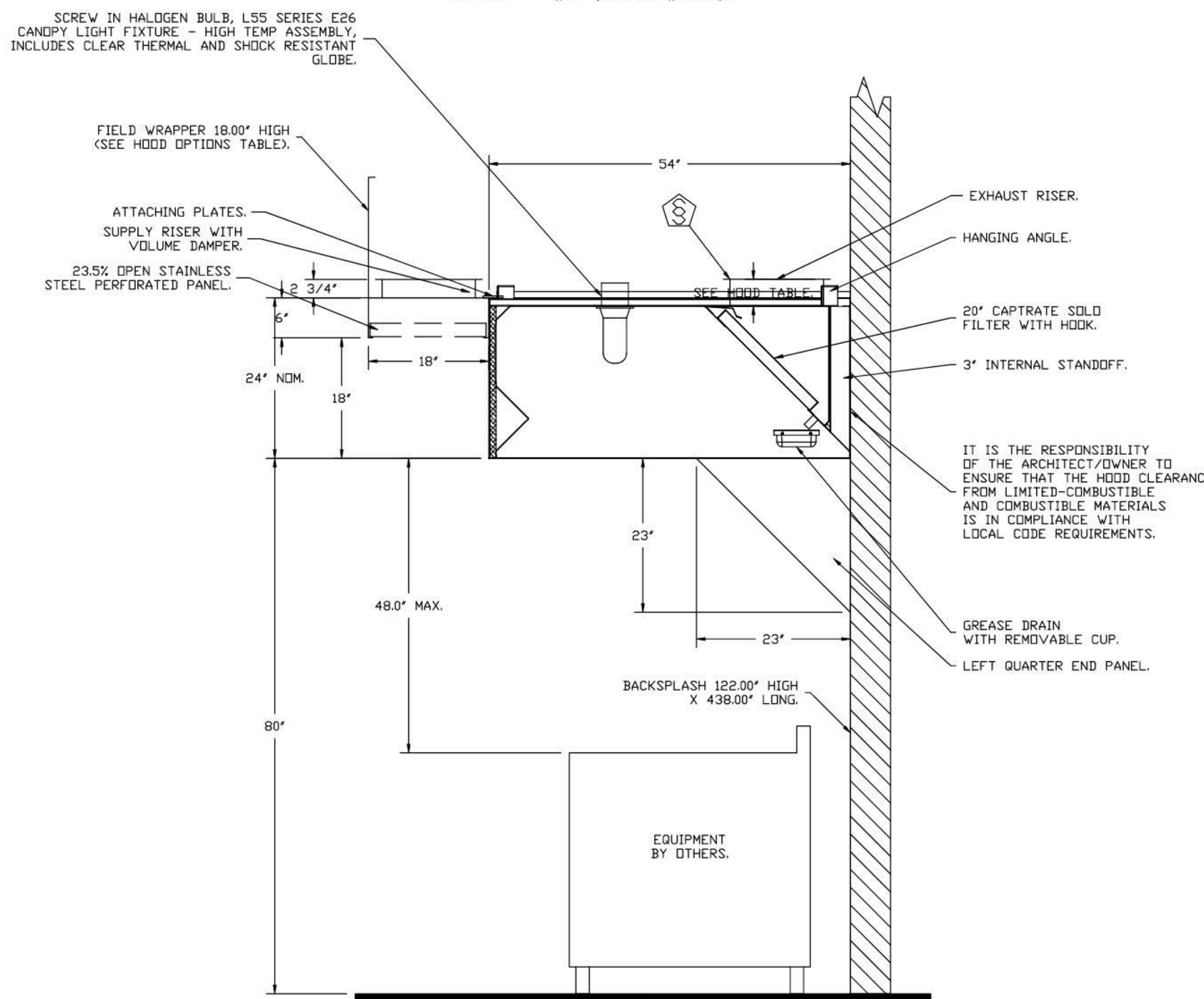
Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS

DATE	NO.	DESCRIPTION



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #1 (Item #58L)



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #4 (Item #59L)

ND-2 Series with PSP Accessory Specification

The model ND-2 with PSP Accessory is a compensating canopy hood rated for all types of cooking equipment. The hood shall have the size, shape and performance specified on drawings.

Construction shall be type 430 stainless steel, with a #3 or #4 polish where exposed. The manufacturer, ETL and NSF shall determine the individual component construction. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints and penetrations of the hood enclosure to the lower outermost perimeter that directs and captures grease-laden vapor and exhaust gases shall have a liquid-tight continuous external weld in accordance with NFPA 96. The hood shall be wall type with a minimum of four connections for hanger rods. Connectors shall have 3/16" holes pre-punched in 1 1/4" x 1 1/4" angle iron at the factory to allow for hanger rod connection by others.

The hood shall be furnished with UL classified filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filler panels shall not be more than 6' in width.

The hood manufacturer shall supply complete computer generated submittal drawings including hood sections view(s) and hood plan view(s). These drawings must be available to the engineer, architect and owner for their use in construction, operation and maintenance.

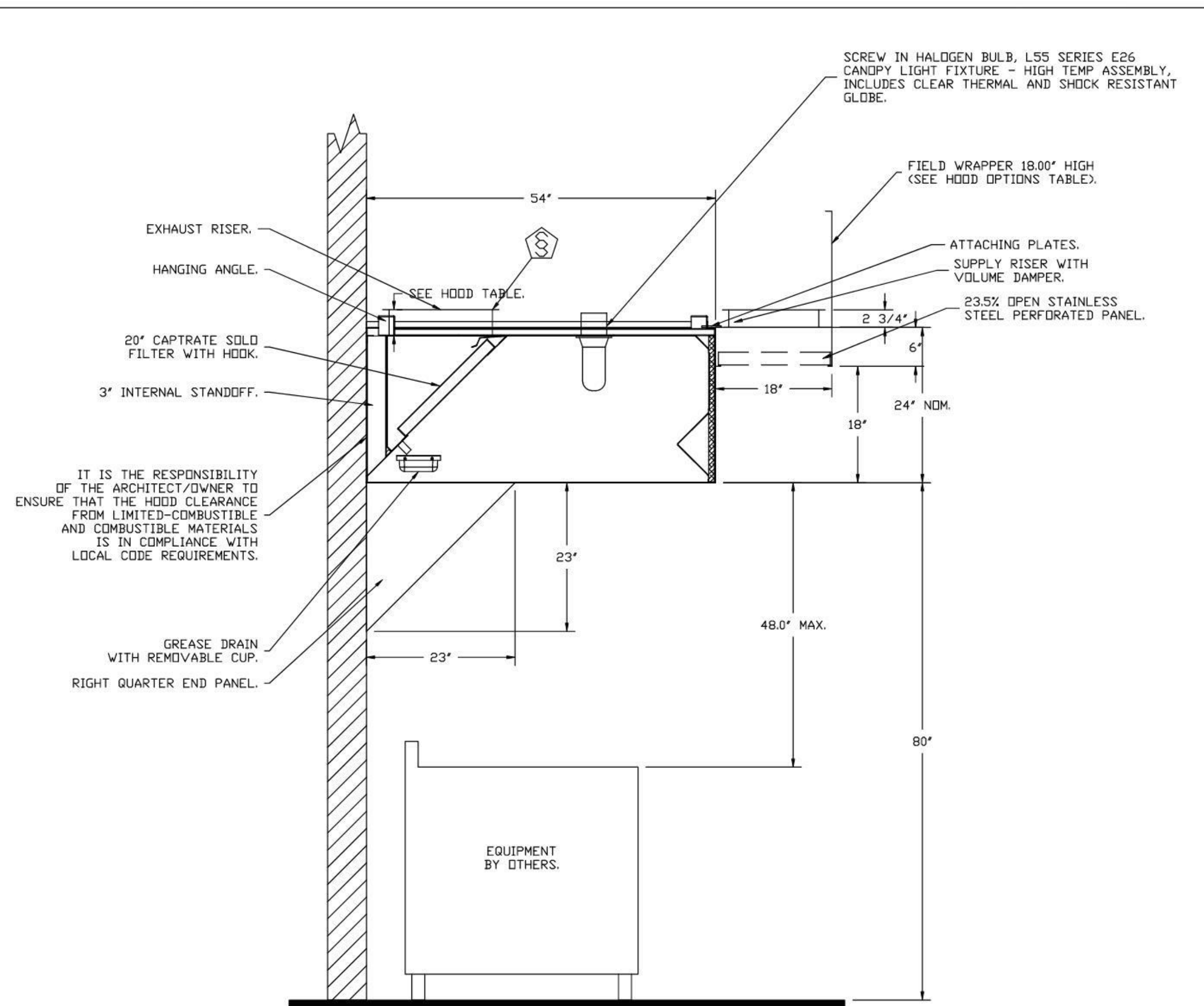
Exhaust duct collar to be 4" high with 1" flange. Duct sizes, CFM and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

UL incandescent light fixtures and globes shall be installed and pre-wired to a junction box. The light fixtures shall be installed with a maximum of 4'0" spacing on center and allow up to a 100 watt standard light bulb.

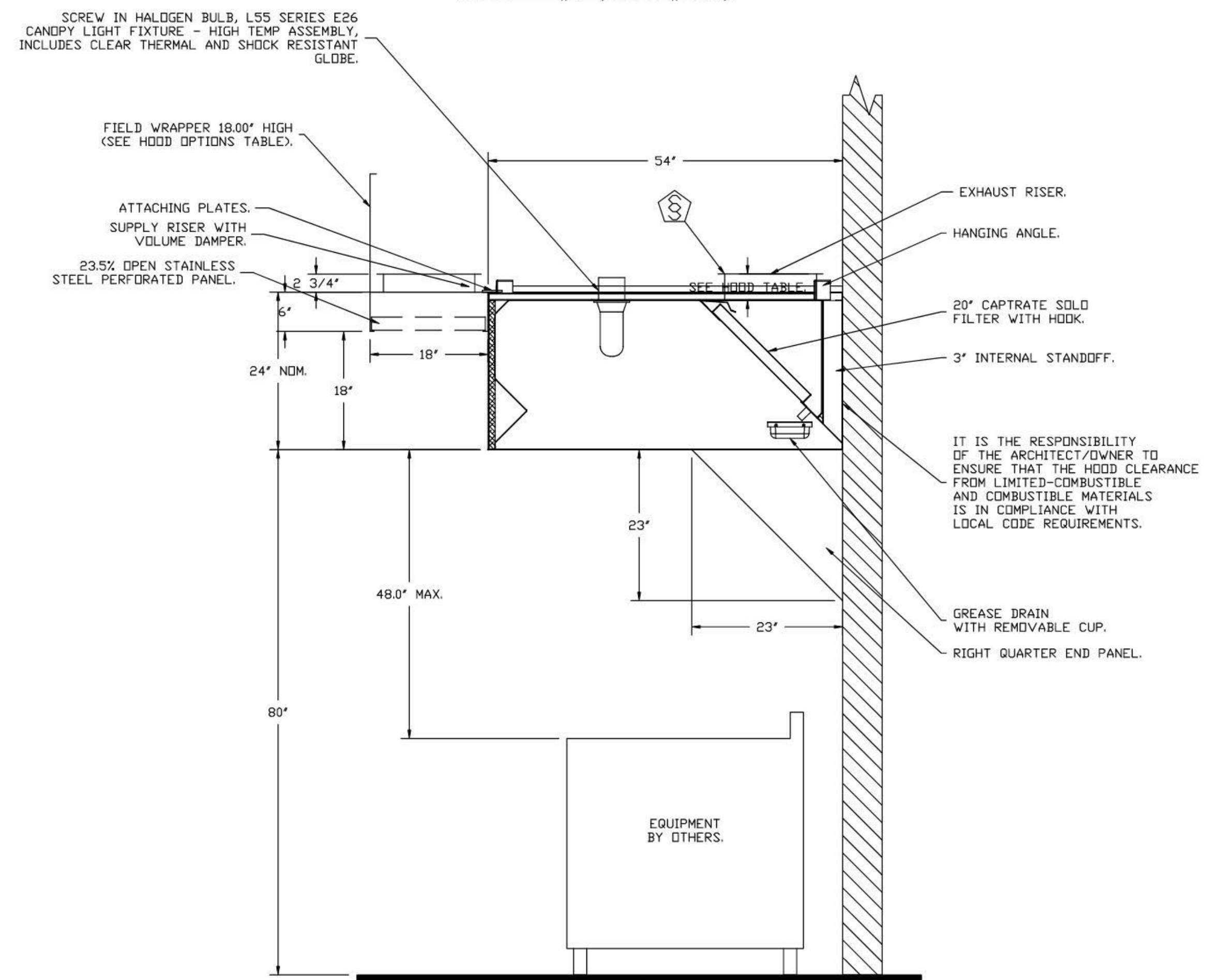
- The hood shall have:
- A double wall insulated front to eliminate condensation and increase rigidity. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.
 - An integral front baffle to direct grease laden vapors toward the exhaust filter bank.
 - A built-in wiring chase provided for outlets and electrical controls on the hood face and shall not penetrate the capture area or require an external chase way.
 - Removable grease cup for easy cleaning.

The hood shall be ETL Listed as 'Exhaust Hood Without Exhaust Damper', NSF Listed and built in accordance with NFPA 96.

The hood shall be listed for 450°F cooking surfaces at 150 CFM/Ft, 600°F cooking surfaces at 200 CFM/Ft, and 700°F cooking surfaces at 250 CFM/Ft. The hood shall be ETL Listed as 'Exhaust Hood Without Exhaust Damper'.



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #3 (Item #58R)



SECTION VIEW - MODEL 5424ND-2-PSP-F
HOOD - #5 (Item #59R)

REVISIONS	DESCRIPTION	DATE



CAPTIVE
Northern Ohio Office
806 Morrison Rd. Gahanna, OH 43230
PHONE: (614) 227-5925
EMAIL: reg52@captiveaire.com

Cooper's Hawk - Wellington, FL
WELLINGTON, FL, 33414

DATE: 6/22/2021

DWG.#:
4950443

DRAWN BY:
MAP-52

SCALE:
3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
3

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT: 458903

DATE: 08/13/2021

SCALE:

DRAWN: ABW

APPROVED: AHS

SHEET:

VENDOR/CUSTOM
FABRICATION - HOOD

SHEET NUMBER:

QF702


REVISIONS	
DATE	NO. DESCRIPTION

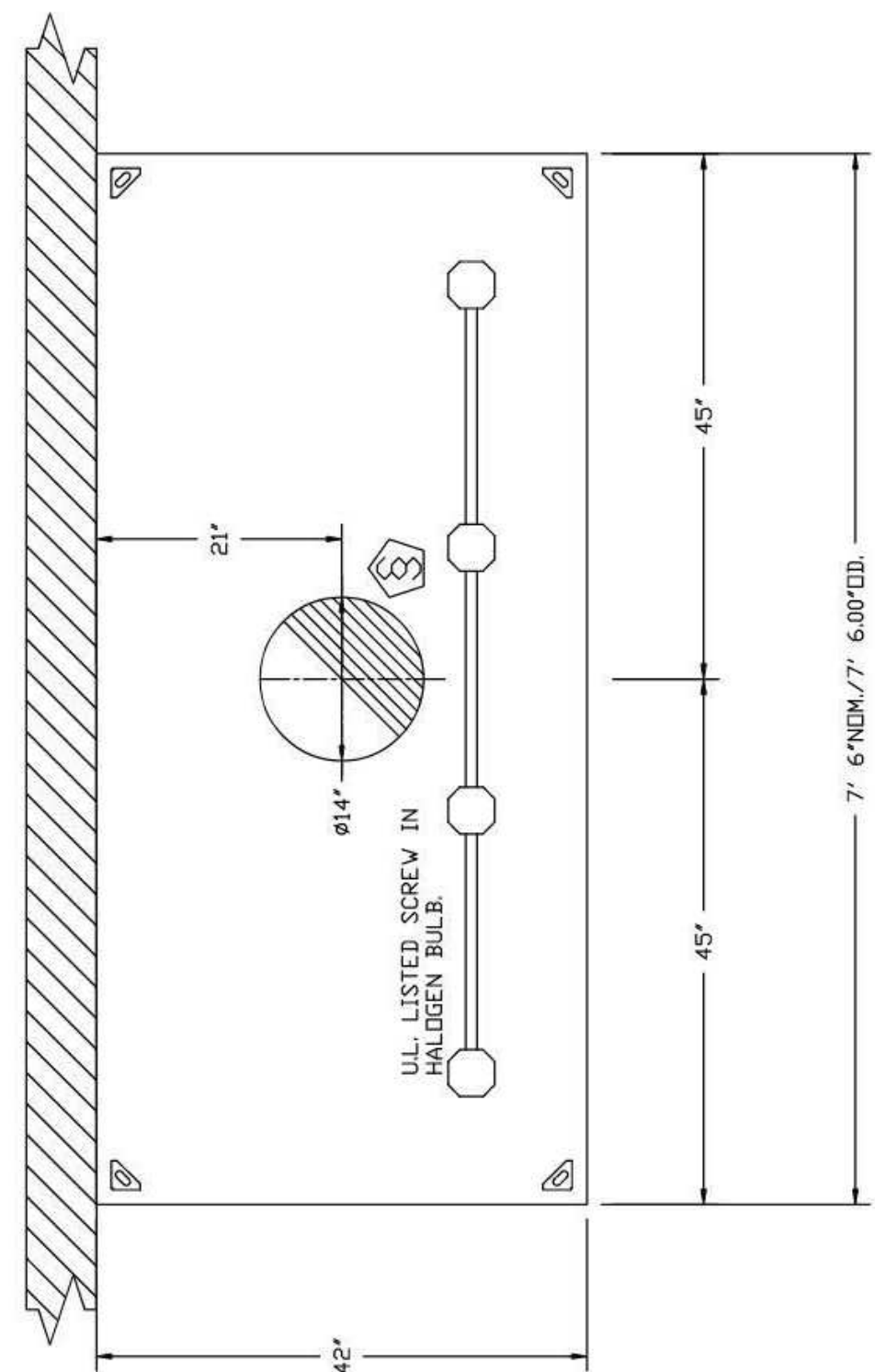
Cooper's Hawk Winery
Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DRAWN:	ABW
APPROVED:	AHS

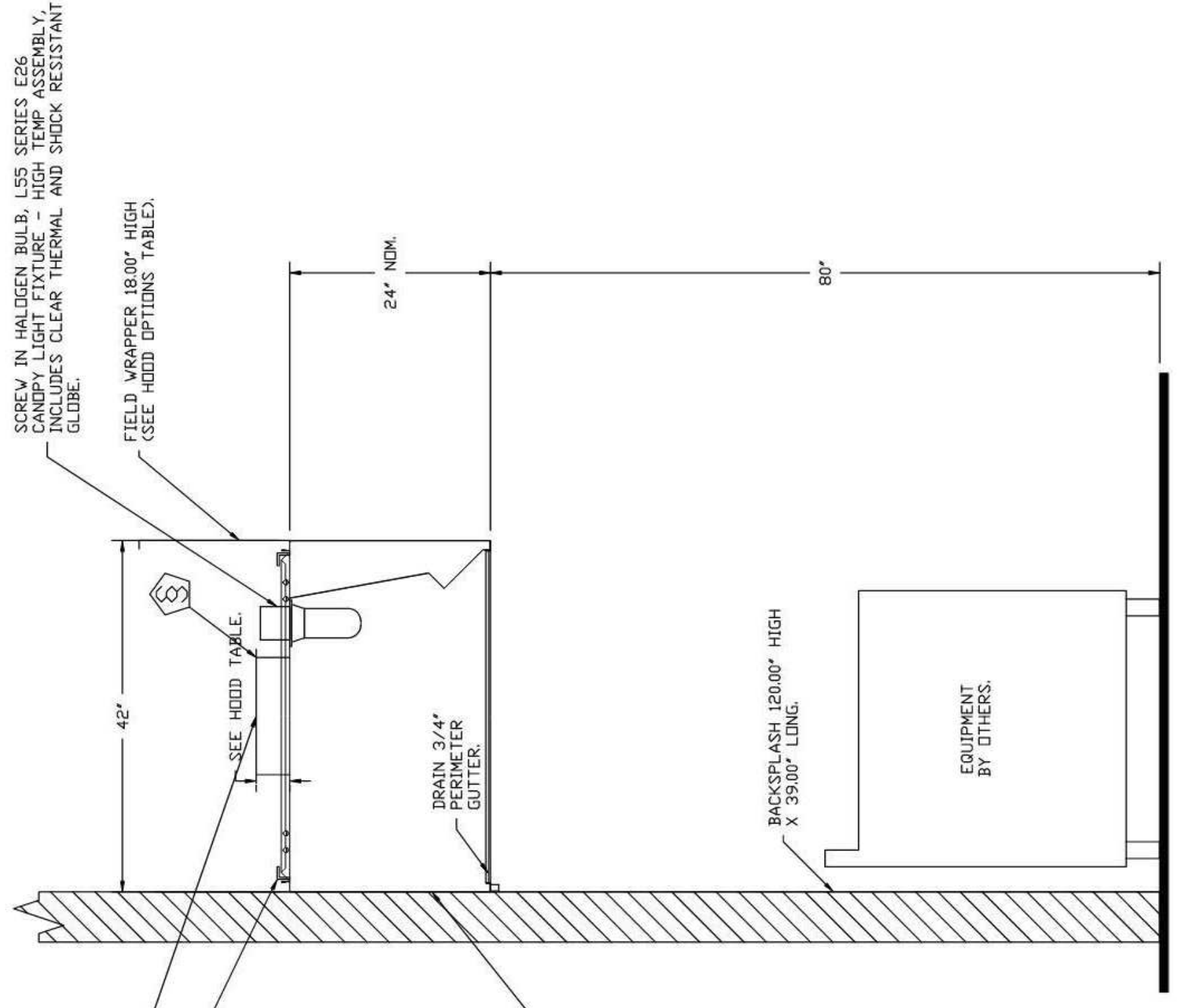
VENDOR/CUSTOMER
FABRICATION - HOOD

SHEET NUMBER
QF703

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION							 <p>806 Morrison Rd. Gahanna, OH 43230 PHONE: FAX: (619) 227-5925 EMAIL: reg52@captivair.com www.captivair.com Northern Ohio Office</p>	<p>Cooper's Hawk - Wellington, FL WELLINGTON, FL, 33414</p> <p>DATE: 6/22/2021 DWG.#: 4950443 DRAWN BY: MAP-52 SCALE: 3/4" = 1'-0" MASTER DRAWING</p> <p>SHEET NO. 4</p>
NO.	DATE	DESCRIPTION									



PLAN VIEW - HOOD #6 (Item #83)
6.00" LONG 4224VHB-G-ND



SECTION VIEW - MODEL 4224VHB-C-ND
HOOD - #6 (Item #83)

VERIFY CEILING HEIGHT
Height required to verify that the hood will fit and to size the enclosure panels

VHB-G Series Specification
The VHB-G series heat/condensate hood is a single wall vent hood used in non-grease applications for use in a kitchen environment. It shall have the size, shape and performance specified on the drawings.
Construction shall be type 304 stainless steel with a #3 or #4 polish where exposed. Hood shall have a full perimeter gutter with a 1/2" DD Bolt thread drain connection. Hood shall be wall or island type construction. Hood shall be pre-punched at the factory. Corner hanging angles have a .625 x 1.500 slot pre-punched at the factory, allowing hanging rods to be used for quick and easy installation. Hanging rod and connection is provided by and installed by others.
The hood manufacturer shall supply complete submittal drawings including hood section views(s) and hood plan views(s). These drawings must be made available to the engineer, architect and owner for their use in construction, operation and maintenance.
Exhaust duct collar to be 4" high with 1" flanges. Hood shall be 5" high with 1" flanges. Hood shall be shown on the drawings. Hood shall be ETL Sanitation listed.

IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT THE HOOD CLEARANCE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.



TriMark
Foodservice Equipment, Supplies and Design

Midwest: SSS Kemp
4587 Willow Parkway
Cleveland, OH 44125

300 E. Business Way, Ste. 200
Cincinnati, OH 45241

145 E. Rich Street Ste. 200
Columbus, OH 43215

580 Vista Park Drive
Pittsburgh, PA 15205
P. 216-271-1700

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Owner and all Contractors to field before starting construction. Changes to the design shall be made in writing and approved by TriMark before any material or detail changes.

REVISIONS	
DATE	NO. DESCRIPTION

Cooper's Hawk Winery

Lee's Summit, MO
WELLINGTON, FL, 33414

PROJECT:	458803
DATE:	08/13/2021
SCALE:	3/8" = 1'-0"
DRAWN:	ABW
APPROVED:	AHS

VENDOR/CUSTOMER: FABRICATION - HOOD

SHEET NUMBER: QF704

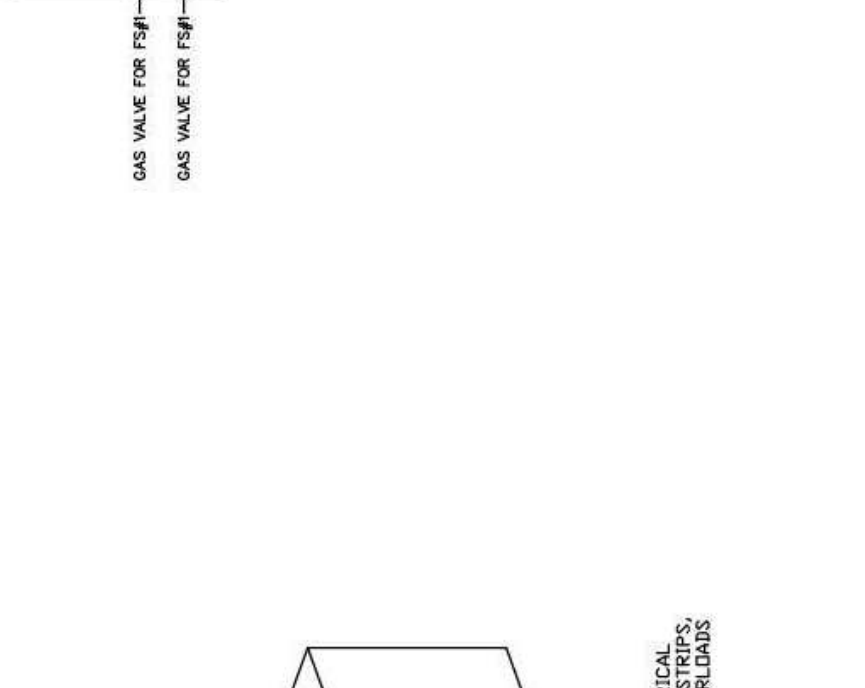
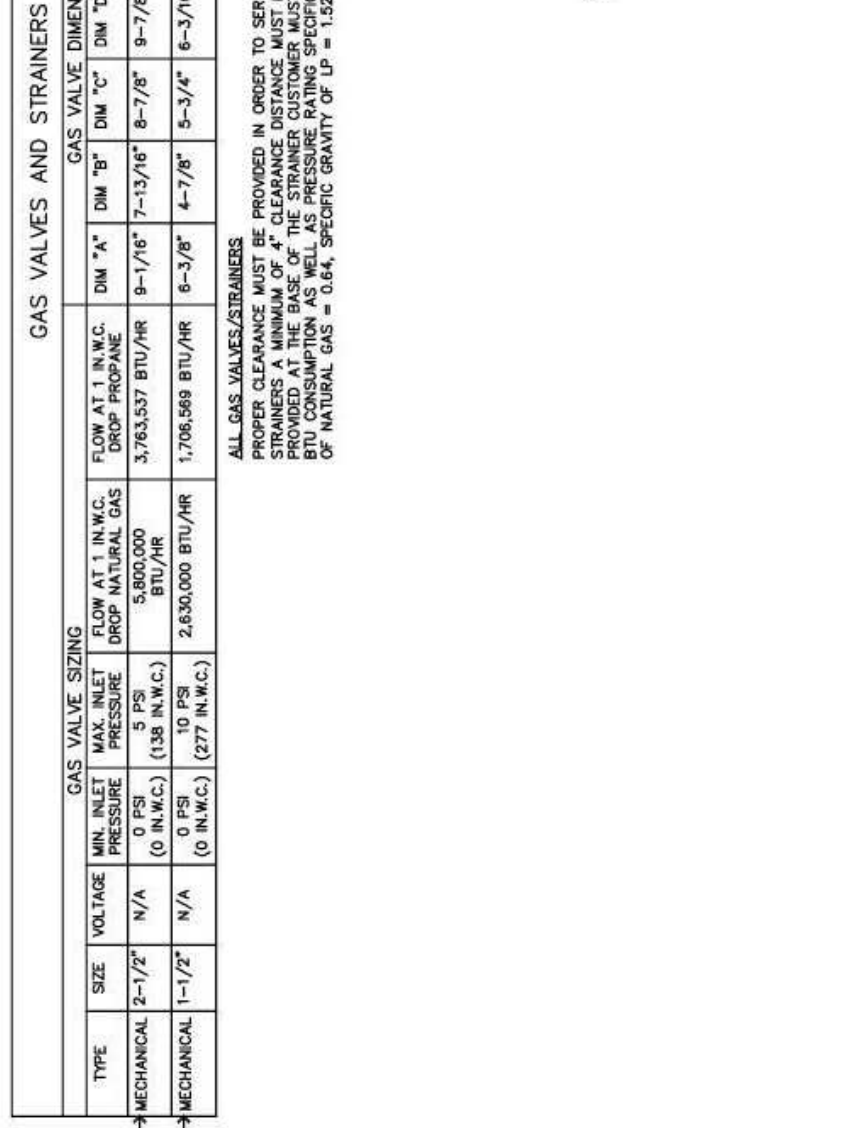
REVISIONS	
DATE	DESCRIPTION

806 Morrison Rd, Gahanna, OH 43230 PHONE: FAX: (619) 227-9255 EMAIL: regz@captrive.com

Northern Ohio Office

www.captrive.com

GAS VALVES AND STRAINERS		VALVE SIZES		VALVE TYPES		VALVE MATERIALS	
TYPE	SIZE	TYPE	SIZE	TYPE	SIZE	TYPE	SIZE



TYPICAL ANSUL R-102 SYSTEM LAYOUT

FIRE SYSTEM INFORMATION - JOB #4590443		ALARM SYSTEM		INSTALLATION	
TYPE	SIZE	TYPE	SIZE	TYPE	LOCATION IN HOOD

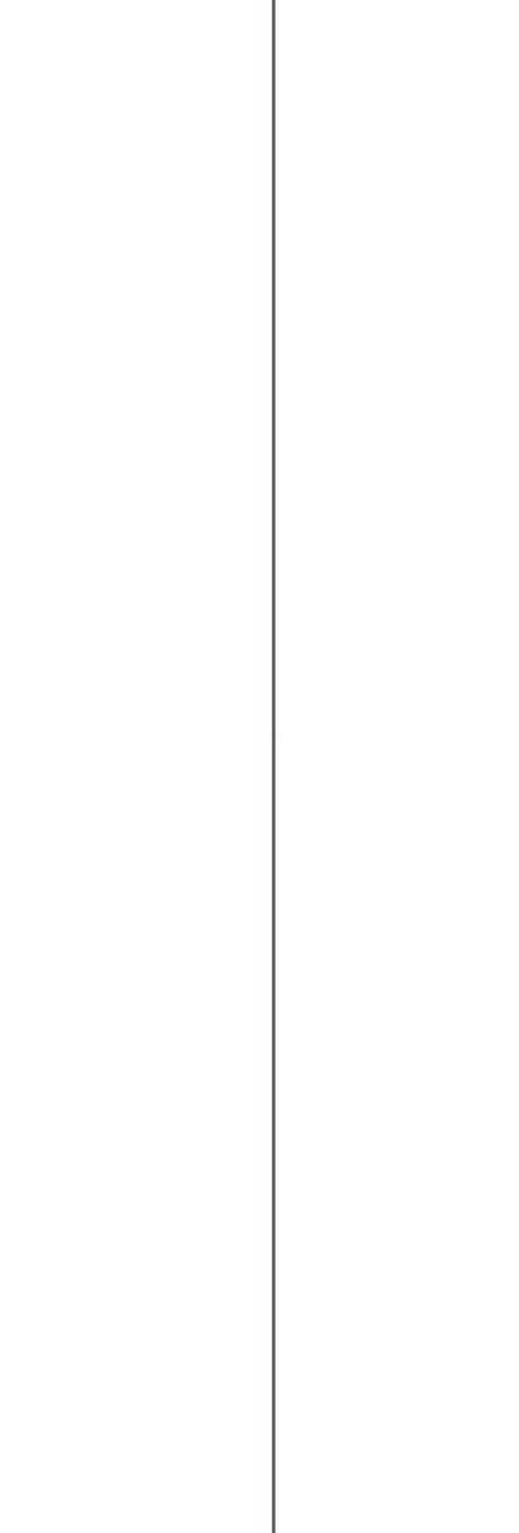
PARTS LIST		KEY NUMBER - PART DESCRIPTION		QTY	
ITEM NO.	DESCRIPTION	KEY NUMBER	PART DESCRIPTION	FACTORY	FIELD
1					

NOTES

- FIELD PIPE DROPS AS SHOWN.
- RELIEVE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING.
- MAINTAIN 9" ELBOWS IN SUPPLY LINE.
- COVERING A RANGE FRIGER OR LINK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-FRIGER CHARBRIERLE DROPS ARE SHIPPED LOOSE IN THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE.
- SIZE, NOT THE OVERALL APPLIANCE SIZE.

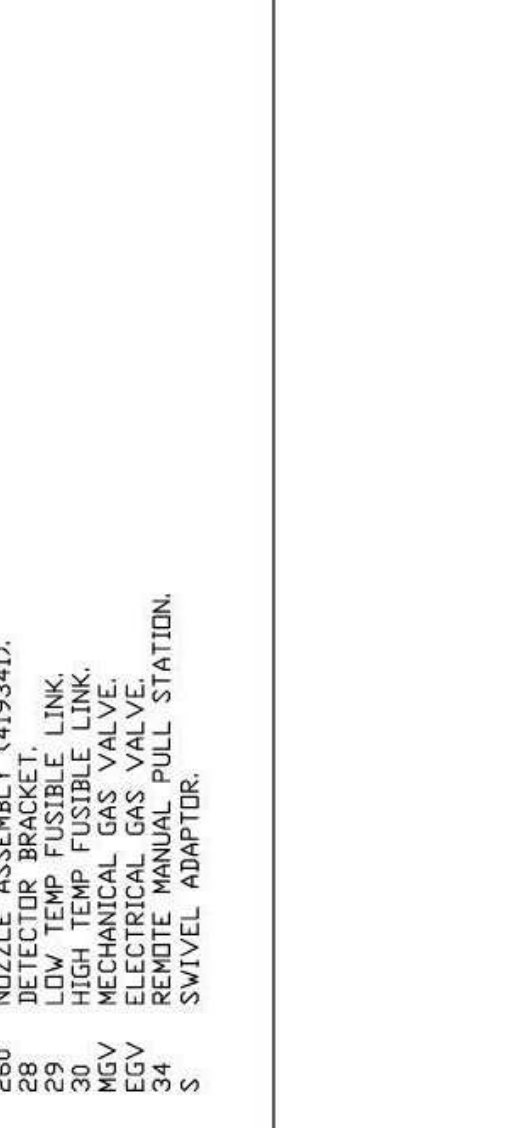
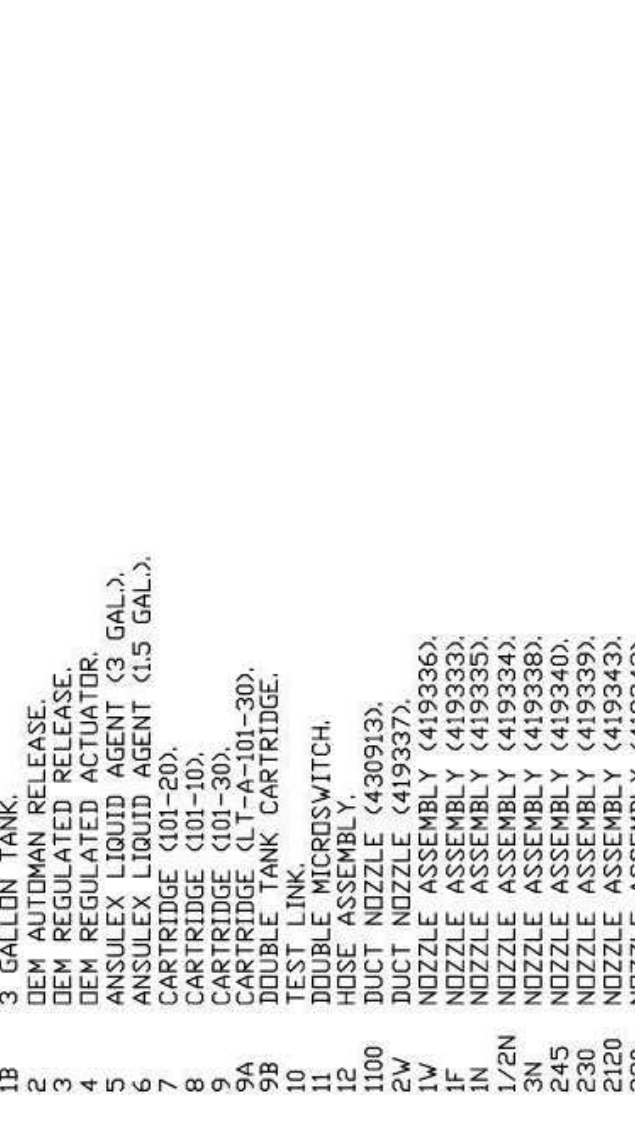
RECALCULATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED WITH UNDER-WATERS MANIFOLD (UWM) NETWORK. IT SHALL BE LISTED FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.



NOTES

- FIELD PIPE DROPS AS SHOWN.
- RELIEVE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING.
- MAINTAIN 9" ELBOWS IN SUPPLY LINE.
- COVERING A RANGE FRIGER OR LINK TO REFLECT GENERAL PIPING REQUIREMENTS.
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- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE.
- SIZE, NOT THE OVERALL APPLIANCE SIZE.



DATE: 6/22/2021
DWG #: 4950443
DRAWN BY: MAP-SZ
SCALE: 3/8" = 1'-0"
MASTER DRAWING

SHEET NO. 5

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery

Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

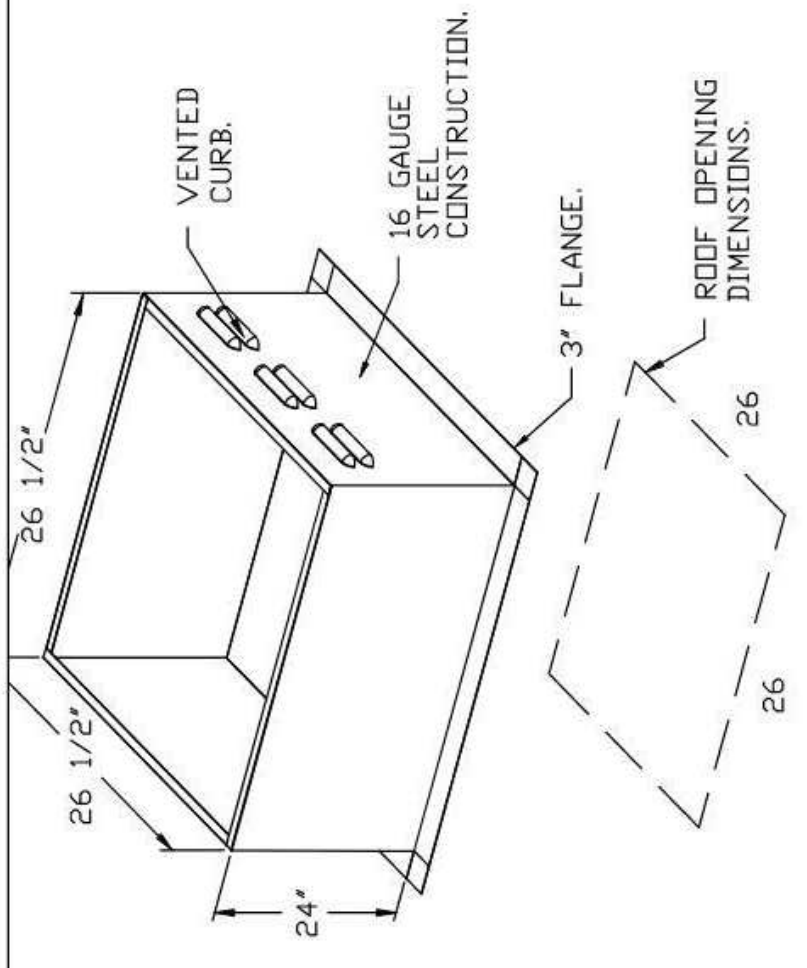
VENDOR/CUSTOMER
FABRICATION - HOOD

SHEET NUMBER
QF706

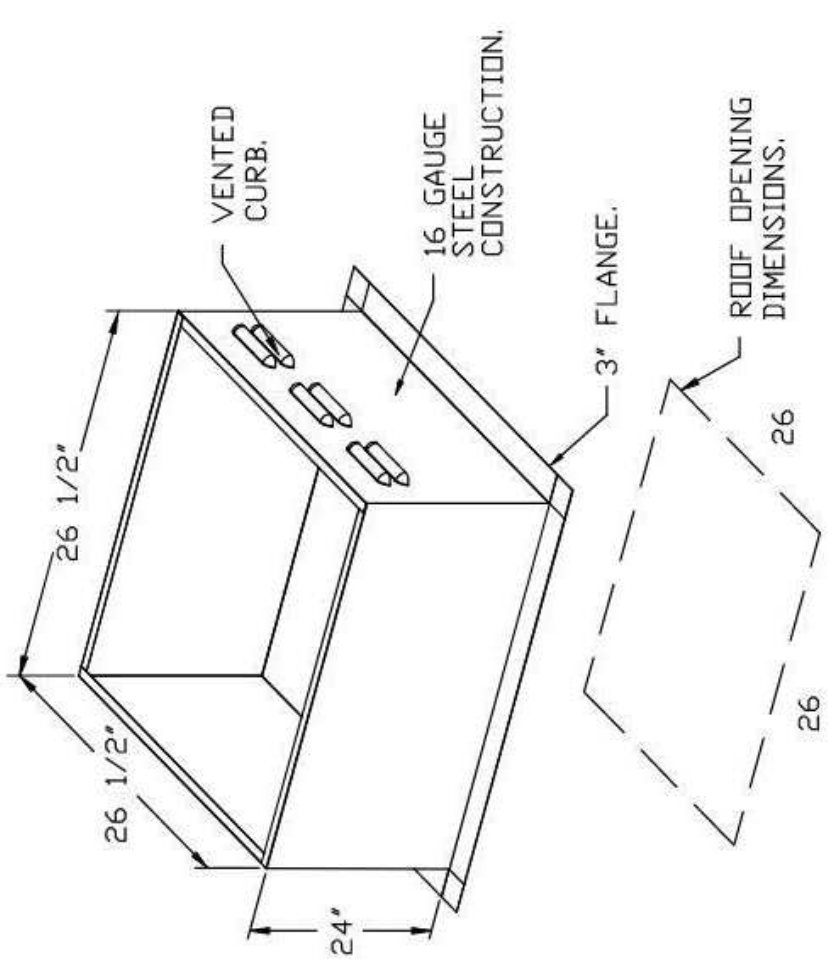
REVISIONS	DATE	DESCRIPTION



DATE	6/22/2021
DWG.#:	4950443
DRAWN BY:	MAP-52
SCALE:	3/4" = 1'-0"
MASTER DRAWING	
SHEET NO.	7



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH
EXAMPLE: 7/12 PITCH = 30° SLOPE.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH
EXAMPLE: 7/12 PITCH = 30° SLOPE.

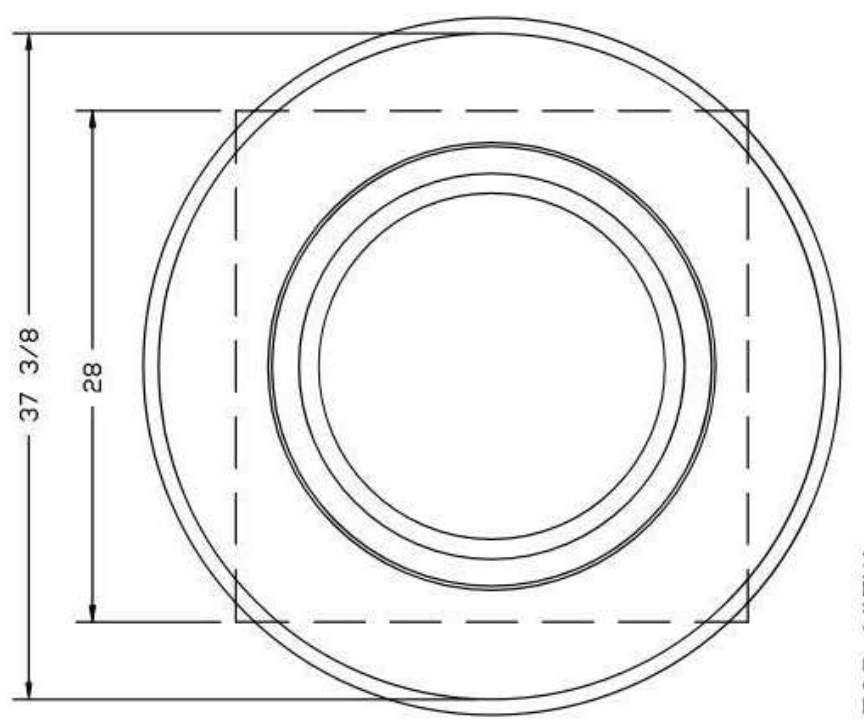
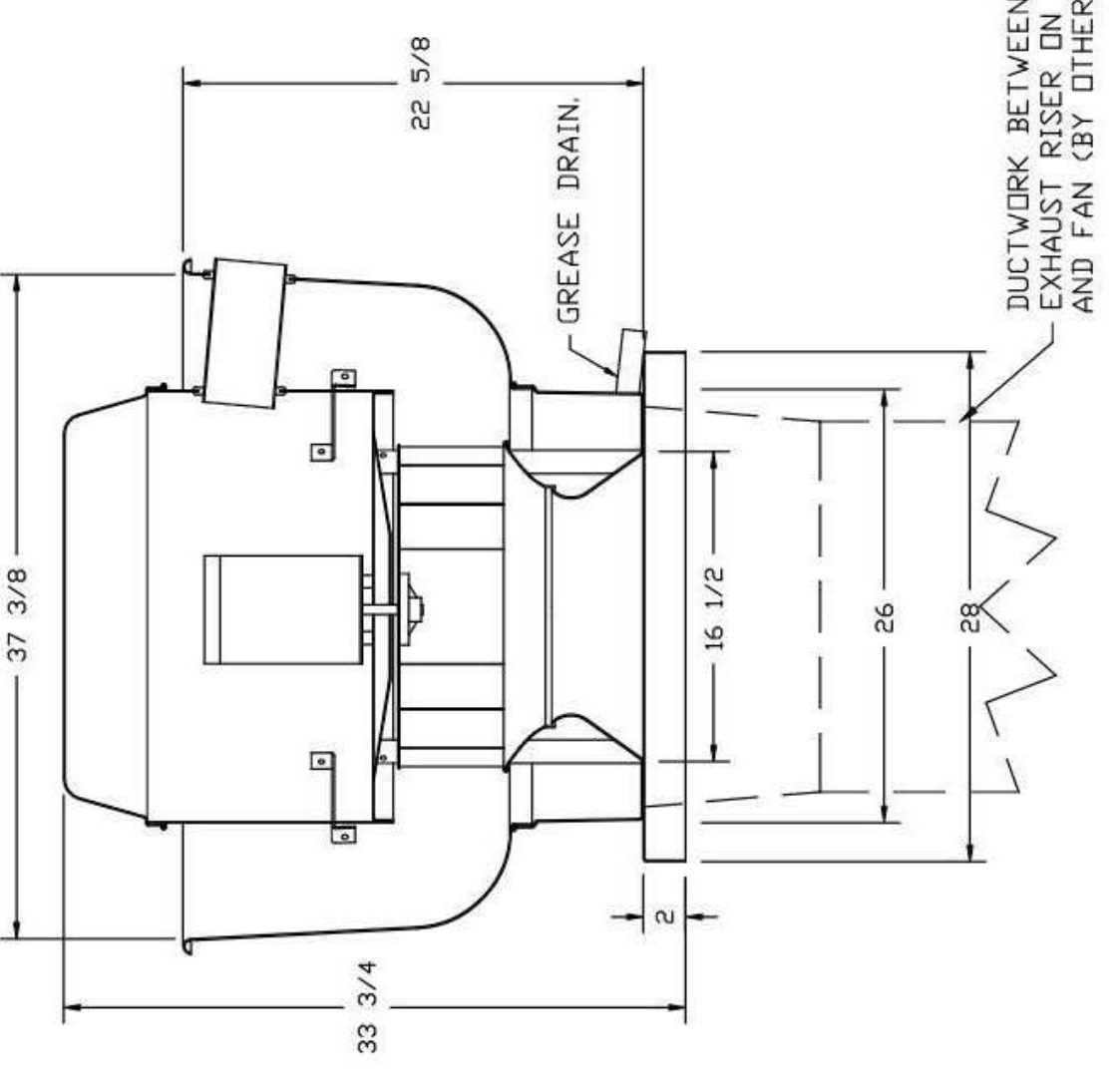
FEATURES:

- DIRECT DRIVE CONSTRUCTION AND BELTS/PULLEYS.
- RESTAURANT MODE.
- UL705 AND UL762 AND UL-C-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST:
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL THE FAN BECOMES HOT TO THE TOUCH. INTERNAL EQUILIBRIUM HAS BEEN REACHED. DETERMINING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST:
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS FOR 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:
GREASE BOX
UPRUST FAN WHEEL ACCESS PORT.
EXHAUST FAN HEAT SENSITIVE ALUMINUM UPRUST.
ALUMINUM UPRUST - NDA-1
5 YEAR PARTS WARRANTY.



TOP VIEW

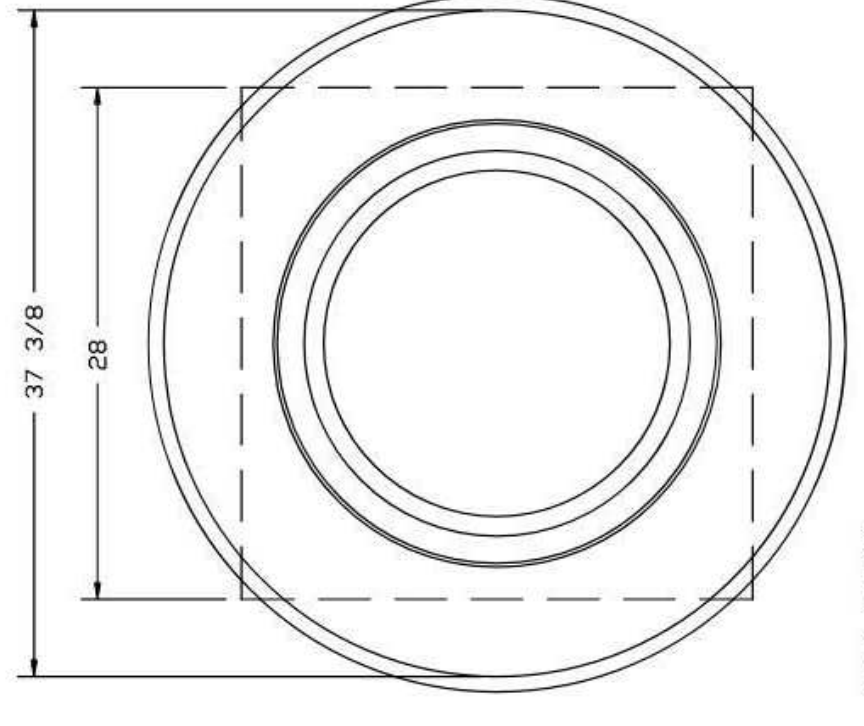
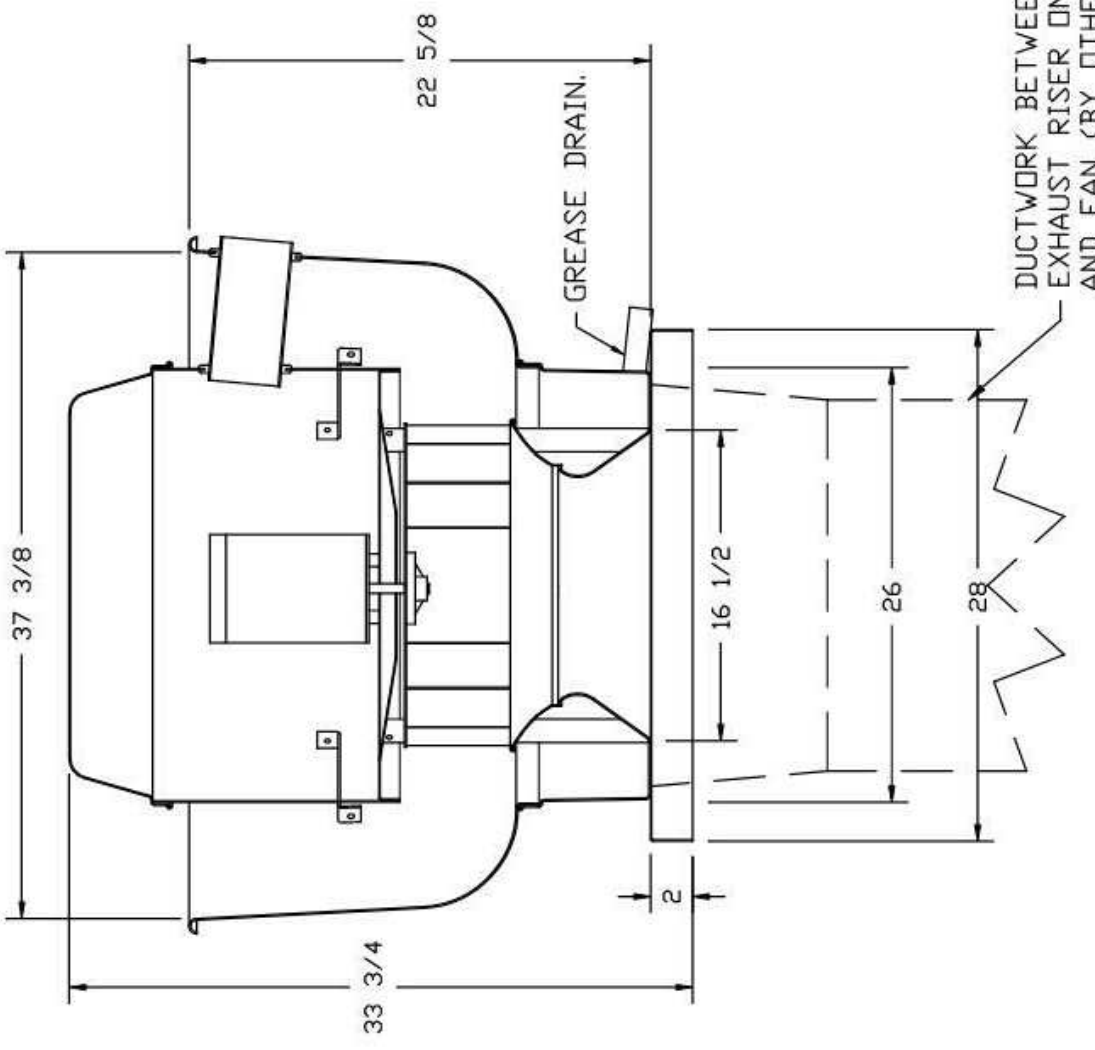
FEATURES:

- DIRECT DRIVE CONSTRUCTION AND BELTS/PULLEYS.
- RESTAURANT MODE.
- UL705 AND UL762 AND UL-C-S645
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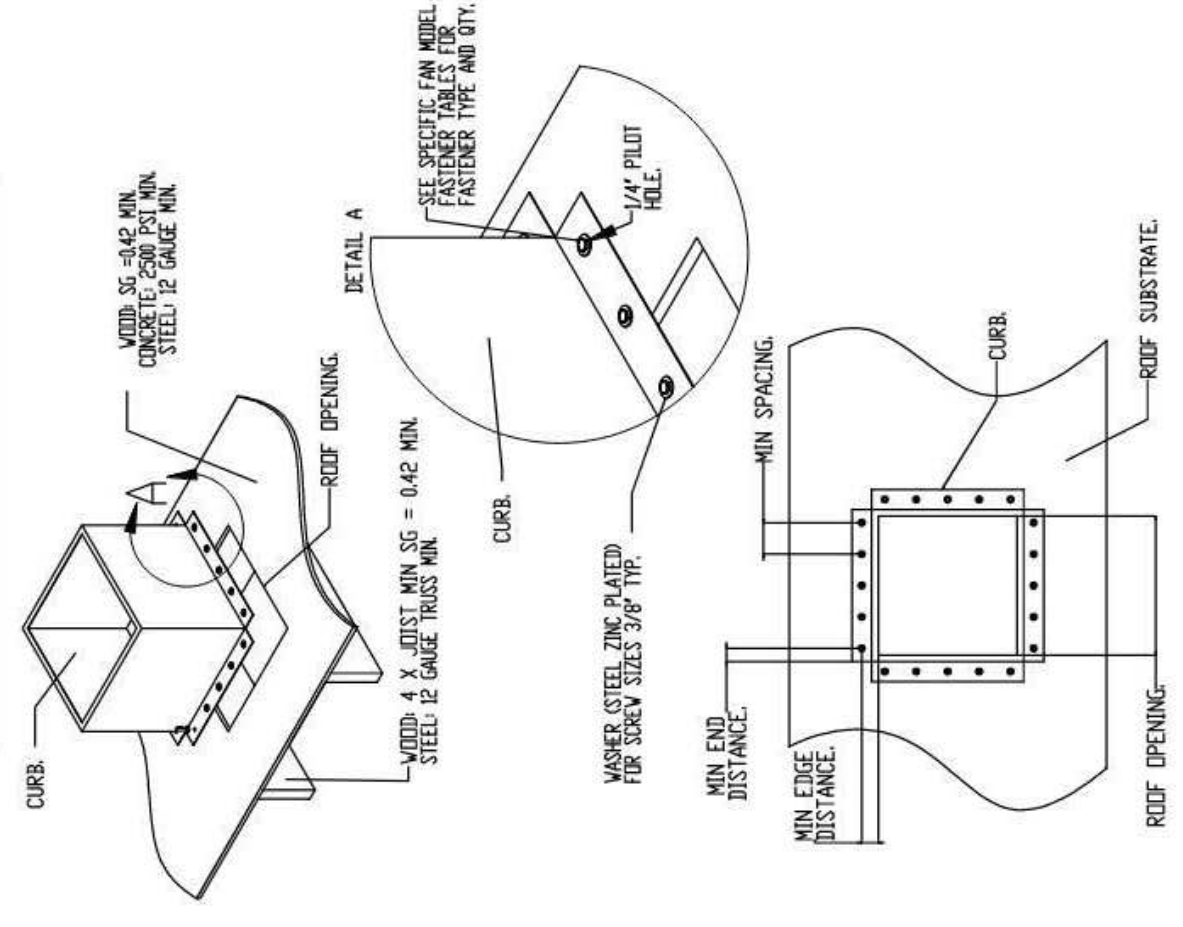
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OPTIONS:
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UPRUST FAN WHEEL ACCESS PORT.
EXHAUST FAN HEAT SENSITIVE ALUMINUM UPRUST.
ALUMINUM UPRUST - NDA-1
5 YEAR PARTS WARRANTY.

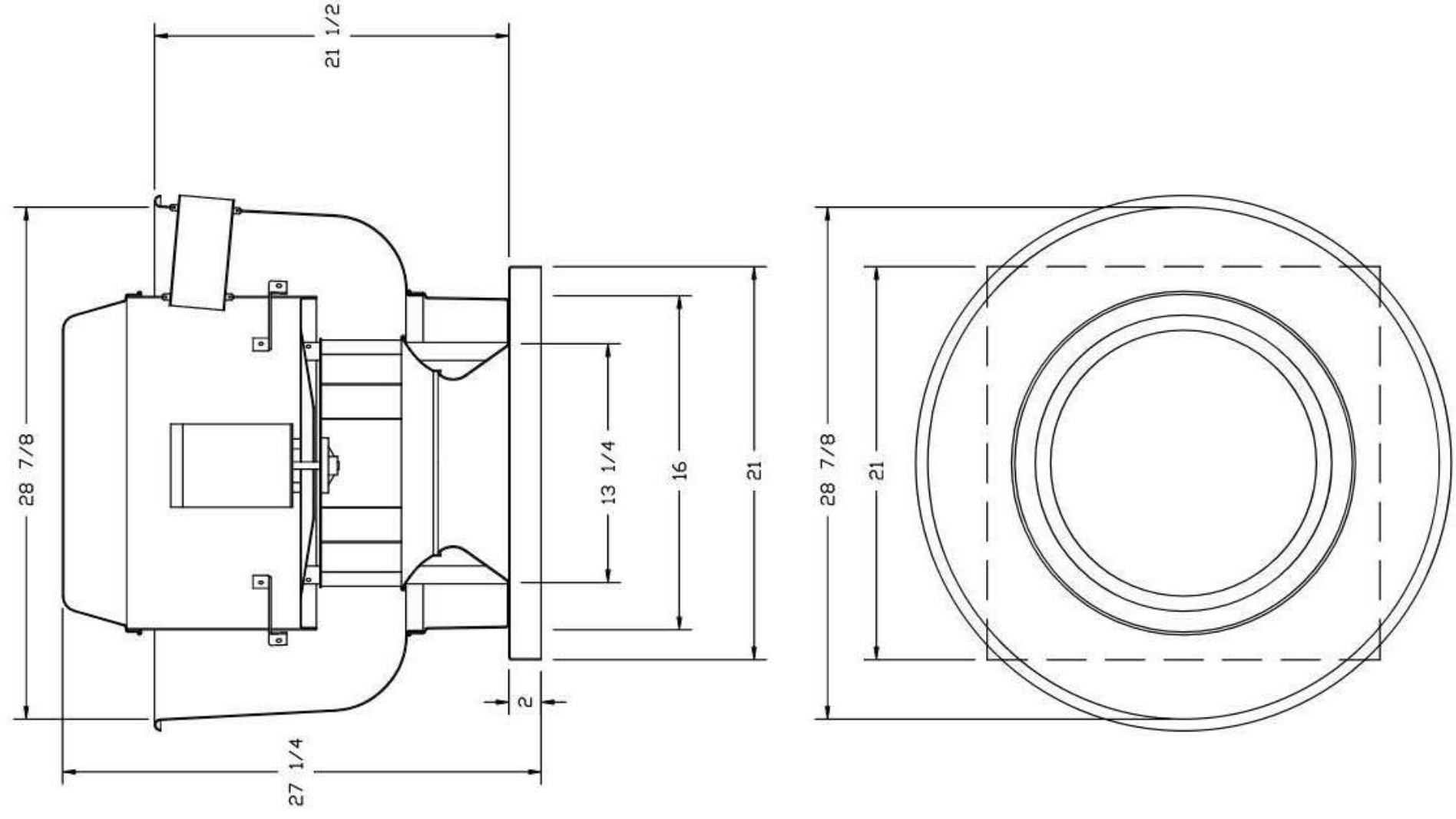


TOP VIEW

MIAMI-DADE COUNTY - CURB ROOF INSTALLATION GUIDE



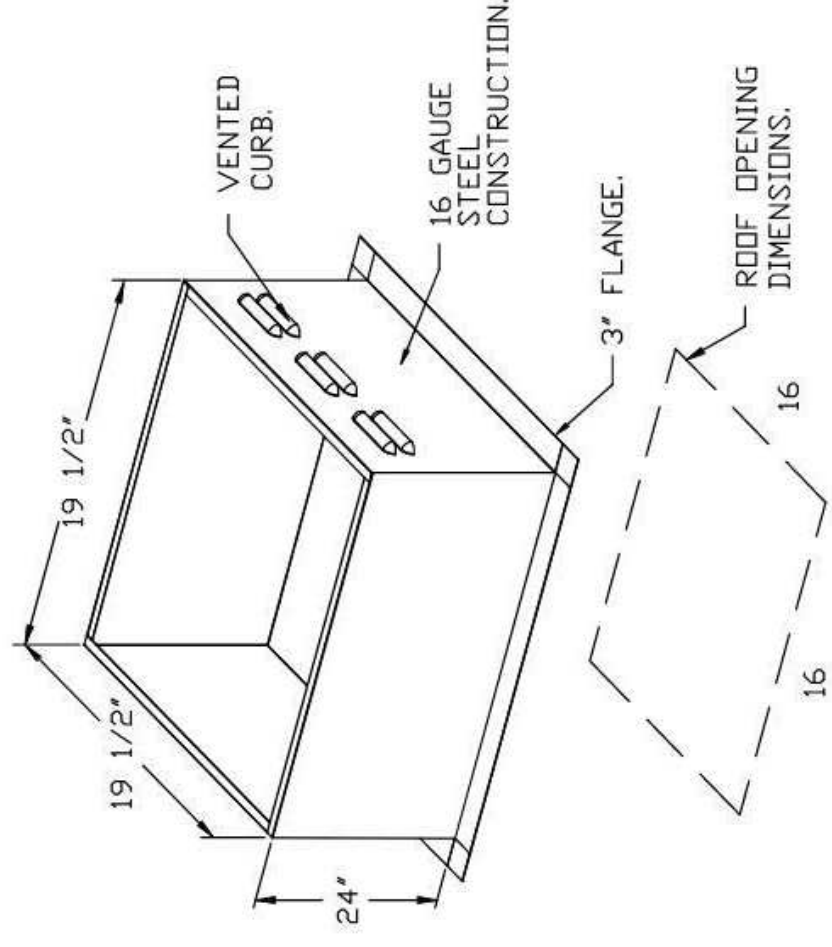
FAN, 18" DIAMETER - EXHAUST FAN, Q150



TOP VIEW

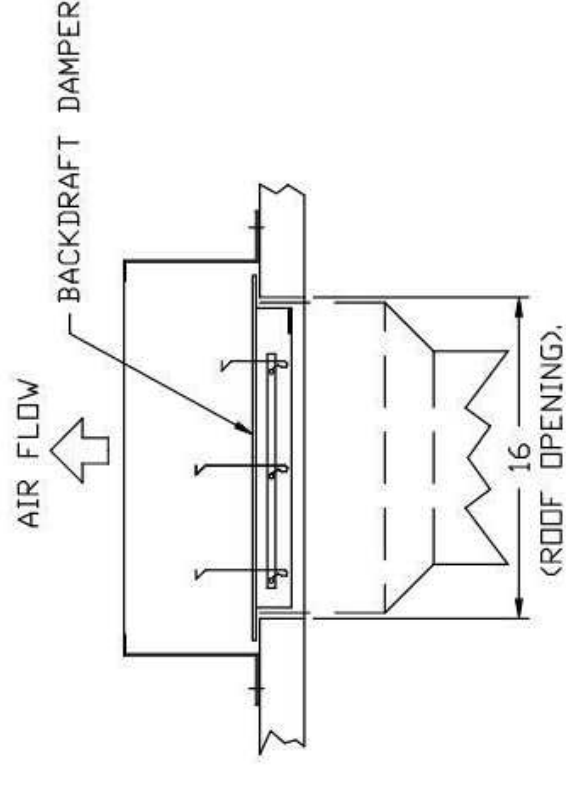
FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
 - ROOF MOUNTED FANS.
 - UL705.
 - VARIABLE SPEED CONTROL.
 - INTERNAL WIRING.
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
 - NEMA 3R SAFETY DISCONNECT SWITCH.
- OPTIONS:**
- 1.5" WIND SCREEN.
 - 1.5" RIB DAMPER.
 - MAINT. LOCK CERTIFICATION - NEMA-1
 - 2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS. SPECIFY PITCH. EXAMPLE: 7/12 PITCH = 30° SLOPE.

BACKDRAFT DAMPER INSTALLATION



REVISIONS

NO.	DESCRIPTION	DATE

Cooper's Hawk Winery
Lee's Summit, MO

DATE: 9/22/2021
DWG.#: 4950443
DRAWN BY: MAP-S2

SCALE:
3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
8

Cooper's Hawk - Wellington, FL, 33414

CAPTIVE AIR
Northern Ohio Office
www.captiveair.com

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590 Vista Park Drive
Pittsburgh, PA 15205
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Owner and all Contractors to field before starting construction. Any changes in material or detail changes.

REVISIONS

NO.	DESCRIPTION	DATE

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT: 458903

DATE: 08/13/2021

SCALE:

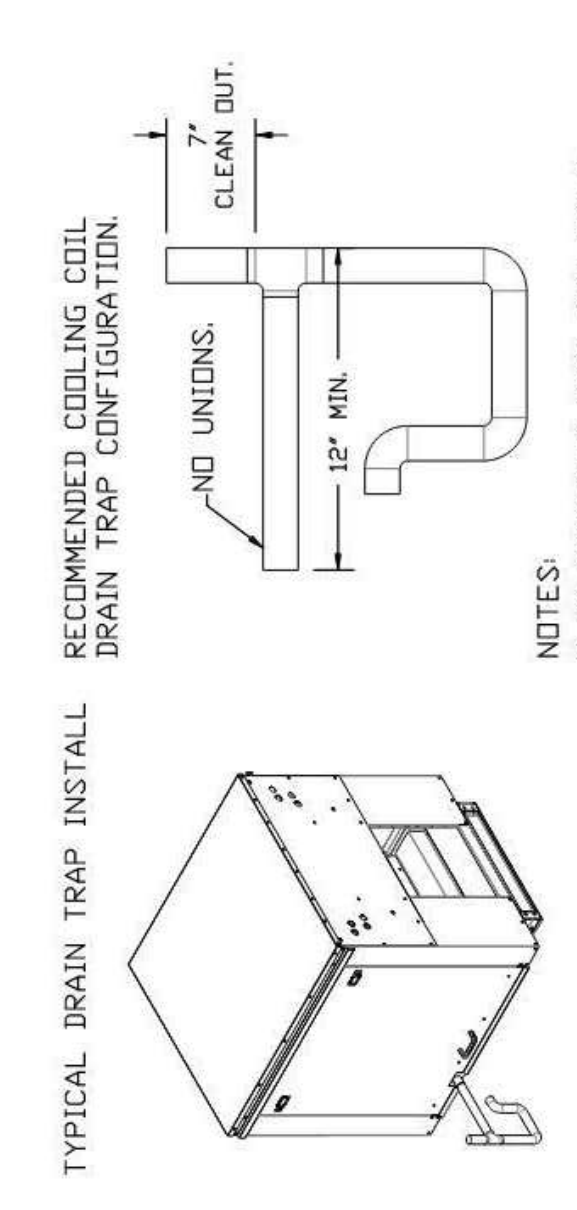
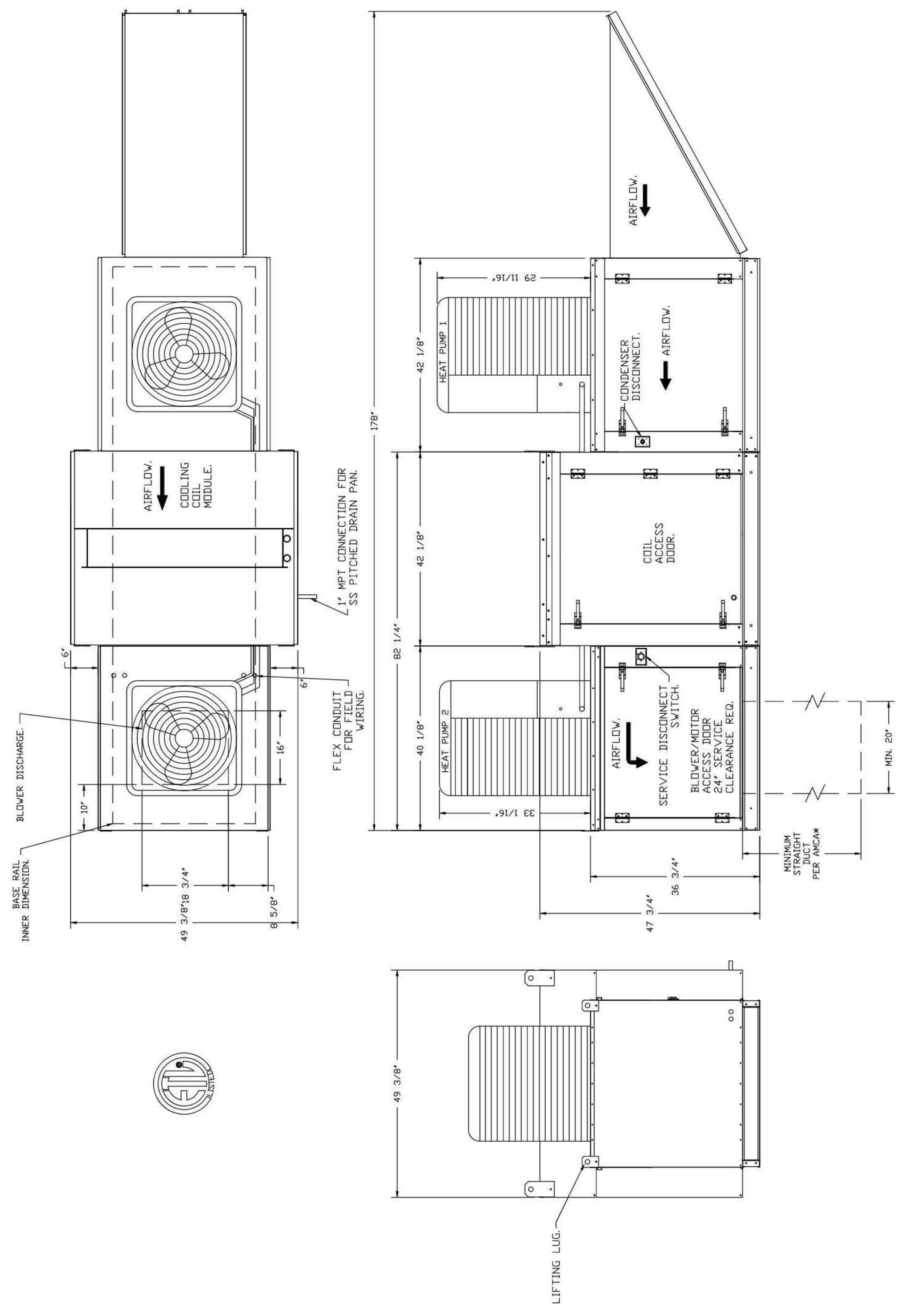
DRAWN: ABW **APPROVED:** AHS

VENDOR/CUSTOMER:
FABRICATION - HOOD

SHEET NUMBER:
QF707

- FAN #7 A2-200-MPU - SUPPLY FAN (N/A-59)
1. MAKE SURE LOW VOLT DIRECT DRIVE FAN IN SIZE #E HOUSING.
 2. MAKE SURE WITH #2 PIPES.
 3. DOWN DISCHARGE - AIR FLOW RIGHT → LEFT. OPTION #20 - 430 PFT - MAKE BASE COUNTY PRODUCT CONTROL APPROVED.
 4. FLORIDA BUILDING CODE APPROVAL - ROOF MOUNT EXHAUST CURBS UP TO 20" HIGH MUST BE 16 GAUGE ALUMINUM.
 5. INSTALLED IN BLOWER HOUSING WITH #2 COMMERCIAL CONDENSER COILS. OPTION WITH HEAT PUMP FIBER SIZE 2 MODULAR PACKAGED UNIT. INCLUDES HEAT PUMP, DA COIL, FILTER/RYER KIT, THERMAL EXPANSION VALVE, RADON REFRIGERANT, AND REFRIGERANT PIPE.
 6. CONDENSER COILS MUST BE INSTALLED WITH 1/2" CLEARANCE FROM CURB TO CONDENSER COILS. CONDENSER COILS MUST BE SEPARATE, DOWN, 2 PHASE POWER SUPPLY, UNLESS ORDERED WITH SINGLE POINT CONNECTION COIL # 2E13300V.
 7. CONDENSER COILS MUST BE INSTALLED WITH 1/2" CLEARANCE FROM CURB TO CONDENSER COILS. CONDENSER COILS MUST BE SEPARATE, DOWN, 2 PHASE POWER SUPPLY, UNLESS ORDERED WITH SINGLE POINT CONNECTION COIL # 2E13300V.
 8. CONDENSER COILS MUST BE INSTALLED WITH 1/2" CLEARANCE FROM CURB TO CONDENSER COILS. CONDENSER COILS MUST BE SEPARATE, DOWN, 2 PHASE POWER SUPPLY, UNLESS ORDERED WITH SINGLE POINT CONNECTION COIL # 2E13300V.
 9. SUPPORT SHELLS FOR SIZE 2 MODULAR PACKAGED UNIT. INCLUDES CONTROL VESTIBULE. INCLUDES CONDENSER SUPPORTS.
 10. SEPARATE BIVAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREVIRE ELECTRICAL FROM DOV TO MIA SWITCH.
 11. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTION).
 12. 6" THERM FAN WARRANTY.

INSTALL TO MEET SMOKE EXHAUST. A MINIMUM EXHAUST DUCT LENGTH MUST BE MAINTAINED DOWN REAR OF UNIT DISCHARGE AS DETAILED IN ANCA PUBLICATION 20A. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS MUST BE USED TO PREVENT COLLAPSE OF DUCTWORK. CONDENSATE MUST BE COLLECTED IN A DRAIN PAN AND MUST BE DRAINAGE TO A SEPARATE DRAIN. INCREASE STATIC PRESSURE AND REDUCE AIRFLOW DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".



- NOTES:
1. DIAMETER PVC PIPE ONLY COUPLINGS.
 2. ADD CLEAN OUT AS SHOWN.

REVISIONS

NO.	DESCRIPTION	DATE

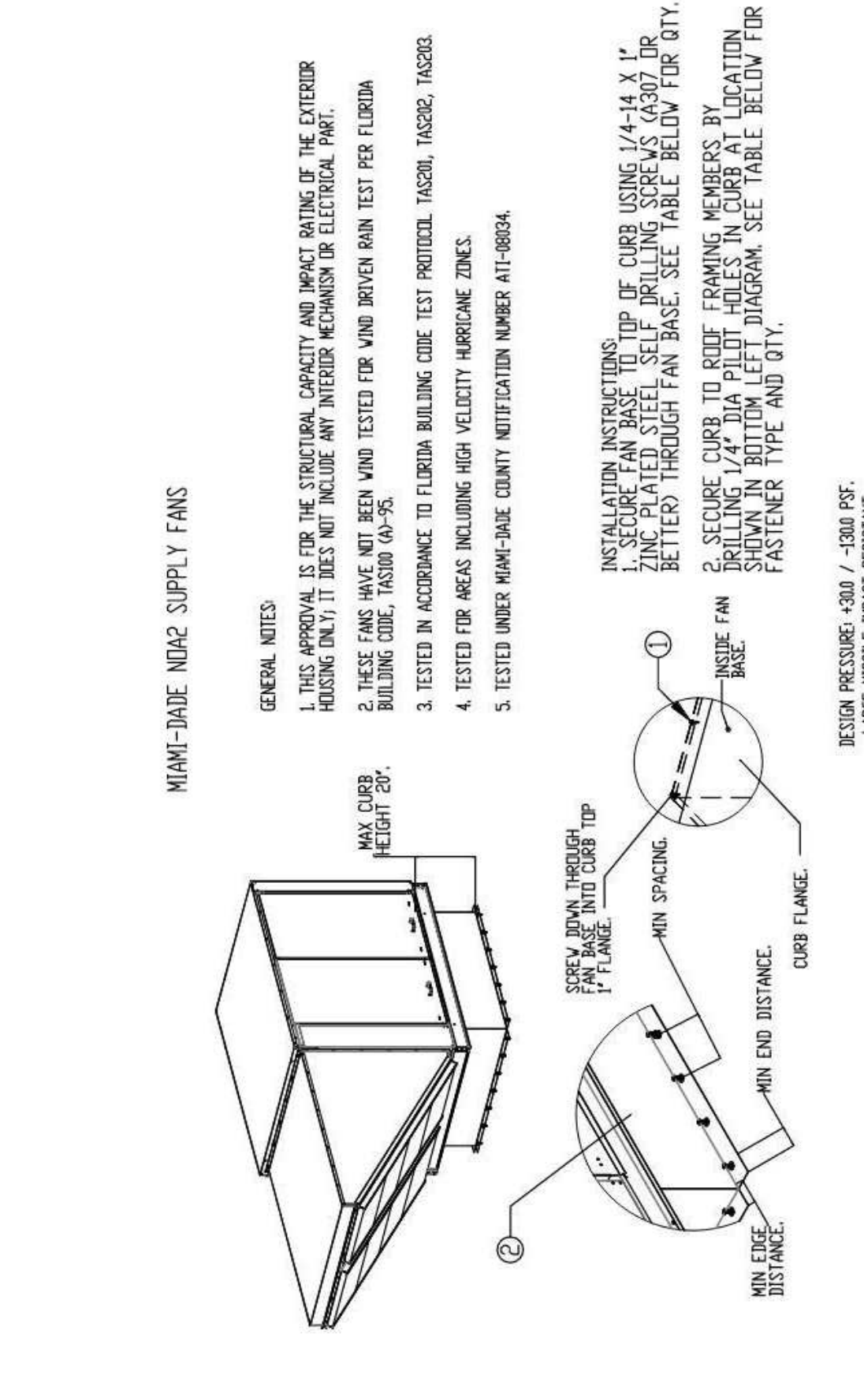


Cooper's Hawk - Wellington, FL
 Cooper's Hawk - Wellington, FL, 33414

DATE: 6/22/2021
DWG #: 4950443
DRAWN BY: MAP-S2
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SCALE	DATE	BY	APPROVED
	08/13/2021	ABW	AHS

SHEET NO. 10



GENERAL NOTES

1. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND WEIGHT BEARING OF THE EXTERIOR HOUSING ONLY. IT DOES NOT INCLUDE ANY INTERIOR PERMITS OR ELECTRICAL PANEL.
2. THESE FANS HAVE NOT BEEN TESTED FOR WIND BROWN RAIN TEST PER FLORIDA BUILDING CODE, TABLE 605.5.
3. TESTED IN ACCORDANCE TO FLORIDA BUILDING CODE TEST PROTOCOL, TACHR, TACHR, TACHR.
4. TESTED FOR AREAS INCLUDING HIGH VELOCITY WINDS.
5. TESTED UNDER MAKE-UP AIR COUNTY NOTIFICATION NUMBER AT-10804.

INSTALLATION INSTRUCTIONS:

1. USE THE FOLLOWING TABLE TO DETERMINE THE FASTENER TYPE AND QTY.
2. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING THROUGH CURB AND FASTENING TO ROOF FRAMING MEMBERS WITH 3/8" DIA. ZINC PLATED LAG BOLTS. SEE TABLE BELOW FOR QTY.
3. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING THROUGH CURB AND FASTENING TO ROOF FRAMING MEMBERS WITH 3/8" DIA. ZINC PLATED LAG BOLTS. SEE TABLE BELOW FOR QTY.
4. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING THROUGH CURB AND FASTENING TO ROOF FRAMING MEMBERS WITH 3/8" DIA. ZINC PLATED LAG BOLTS. SEE TABLE BELOW FOR QTY.

WOOD (SG = 0.42 MIN)		STEEL (12 GAUGE MIN)		CONCRETE (2000 PSI CONCRETE)	
FAN TO CURB	WOOD (SG = 0.42 MIN)	STEEL (12 GAUGE MIN)	CONCRETE (2000 PSI CONCRETE)	CONCRETE (2000 PSI CONCRETE)	CONCRETE (2000 PSI CONCRETE)
FASTENER	3/8" DIA. ZINC PLATED LAG BOLT	1/4"-14 DRILL-FLX SELF DRILLING SCREW	3/8" DIA. SS FLX T EXPANSION ANCHOR	3/8" DIA. SS FLX T EXPANSION ANCHOR	3/8" DIA. SS FLX T EXPANSION ANCHOR
MINIMUM THREAD DISTANCE	2"	12 GAUGE	2-5/16"	2-5/16"	2-5/16"
MINIMUM EDGE DISTANCE	N/A	1-1/2"	3/8"	3"	3"
MINIMUM END DISTANCE	N/A	2-5/8"	3/8"	4"	4"
MINIMUM SPACING	N/A	1-1/2"	3/4"	7"	7"

INSTALLATION FASTENER QTY

FAN MODEL	WOOD			STEEL			CONCRETE				
	LONG SIDE	SHORT SIDE	TOTAL	LONG SIDE	SHORT SIDE	TOTAL	LONG SIDE	SHORT SIDE	TOTAL		
MODULAR 2	3	2	10	5	4	18	4	3	14	3	14



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Owner and all Contractors to be notified of any changes in dimensions and conditions in the field before starting construction. TriMark is not responsible for any material or detail changes.

VENDOR/CUSTOMER: FABRICATION - HOOD

SHEET NUMBER: QF709

REVISIONS

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DRAWN:	ABW
APPROVED:	AHS

VENDOR/CUSTOMER
FABRICATION - HOOD

SHEET NUMBER
QF710

CAPTIVE
Northern Ohio Office
www.captive.com
606 Morrison Rd. Gahanna, OH, 43230 PHONE: FAX: (619) 277-5925 EMAIL: rgs52@captive.com

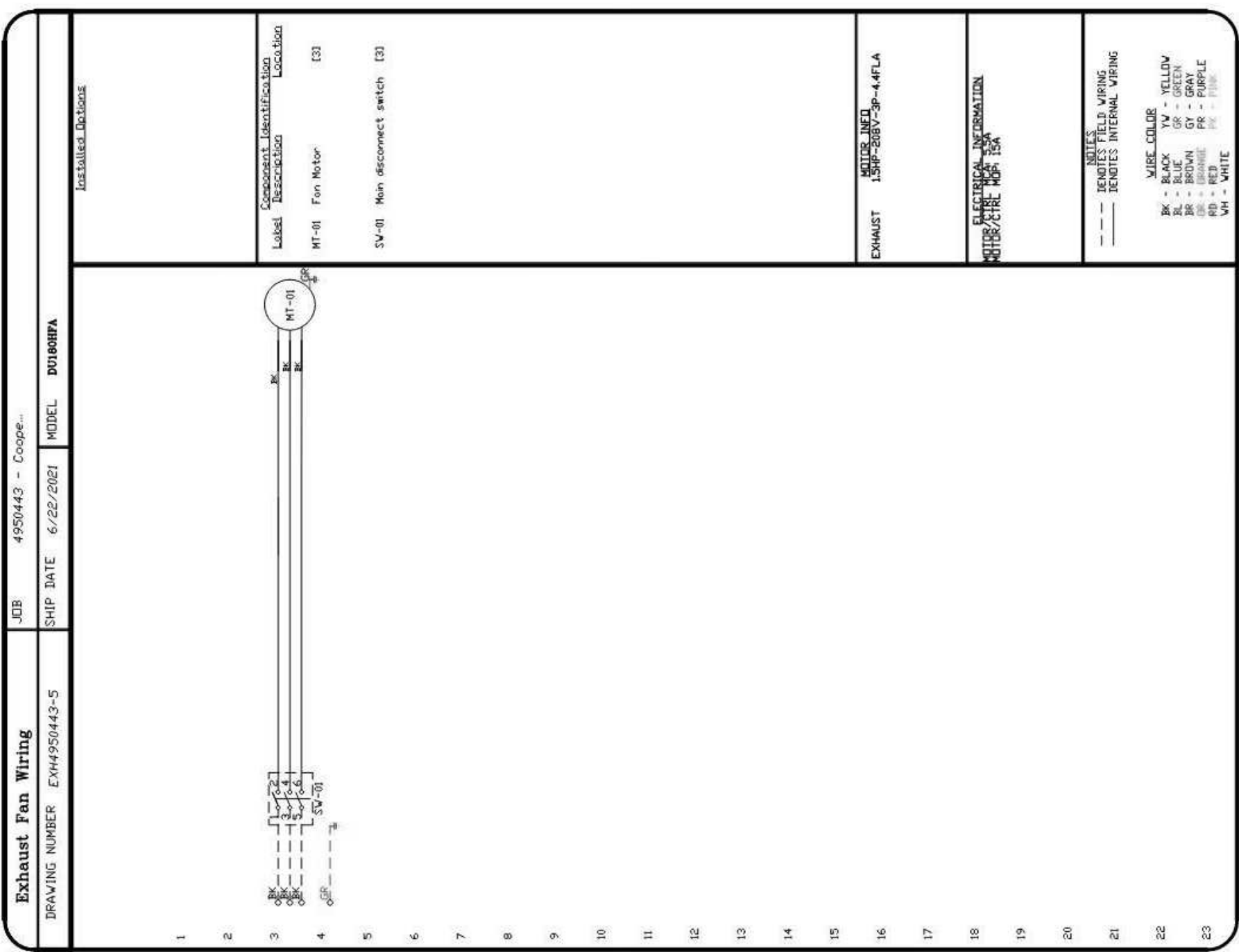
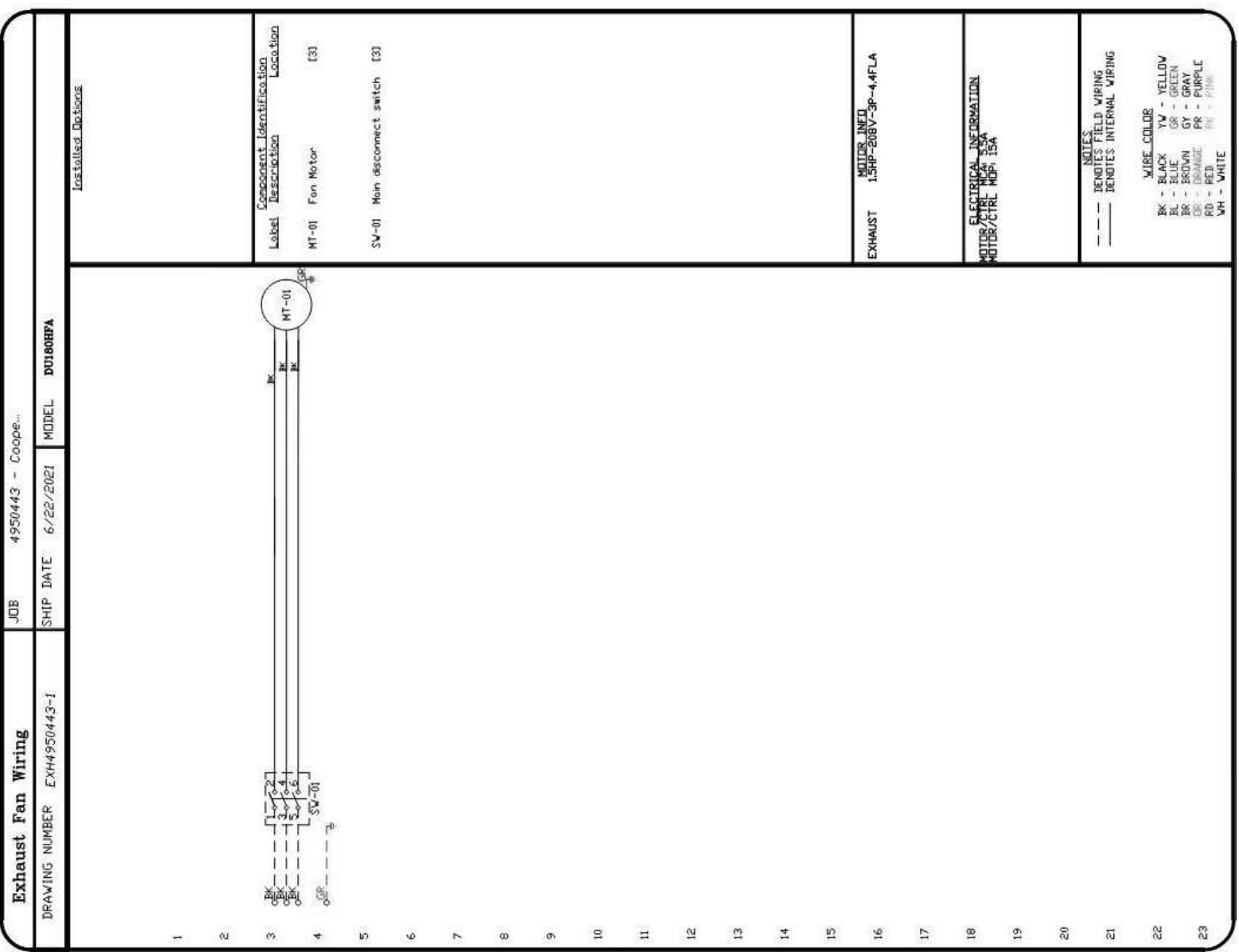
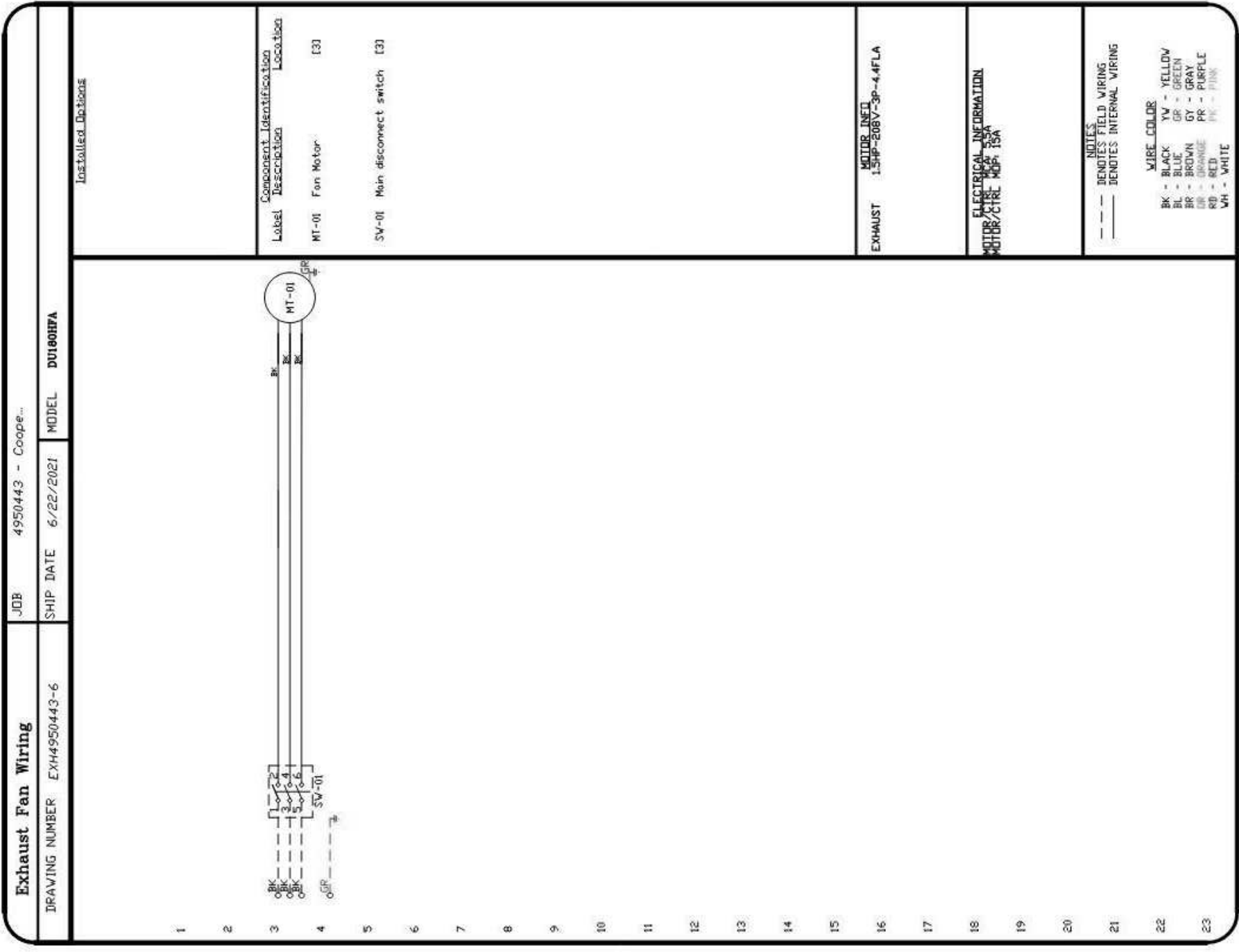
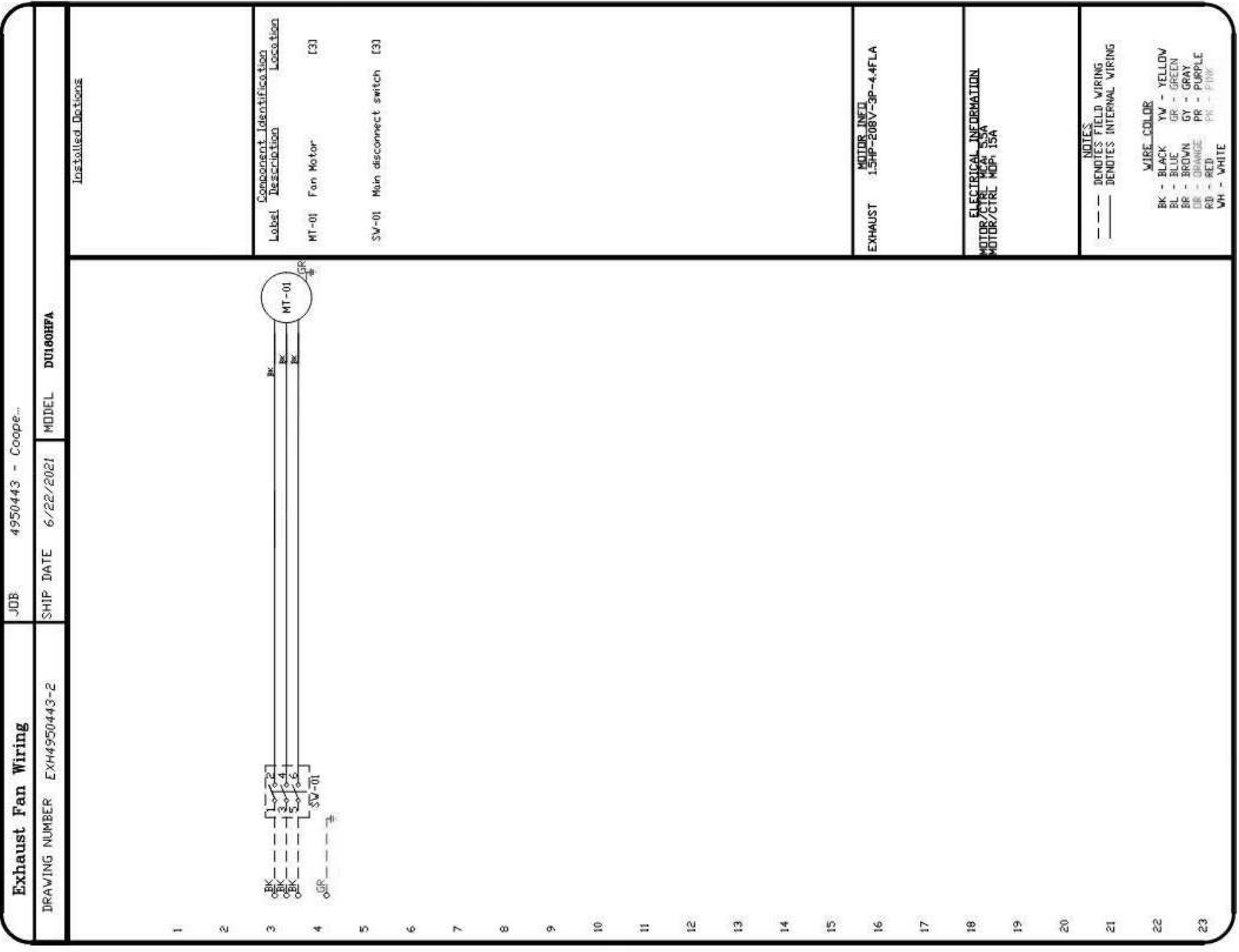
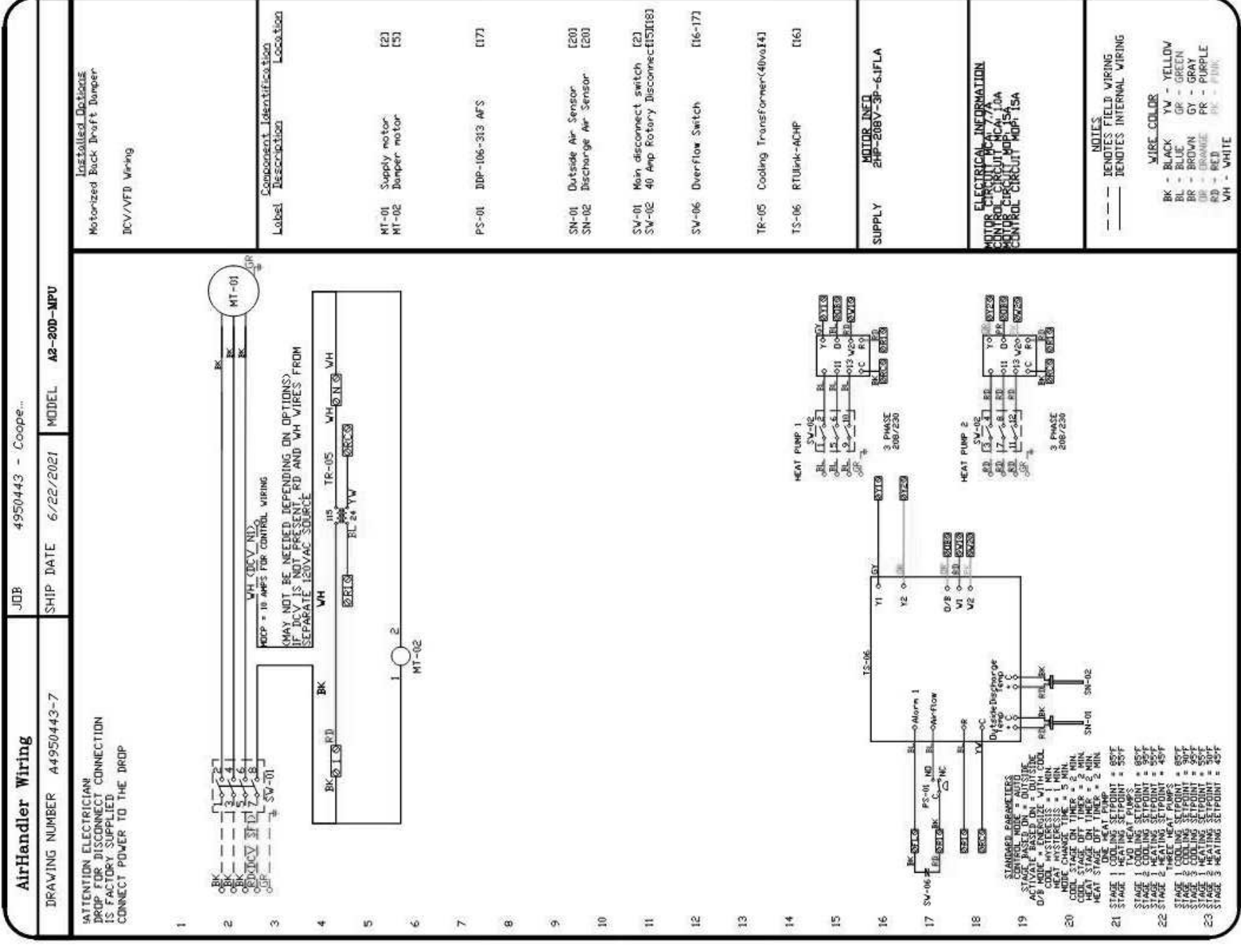
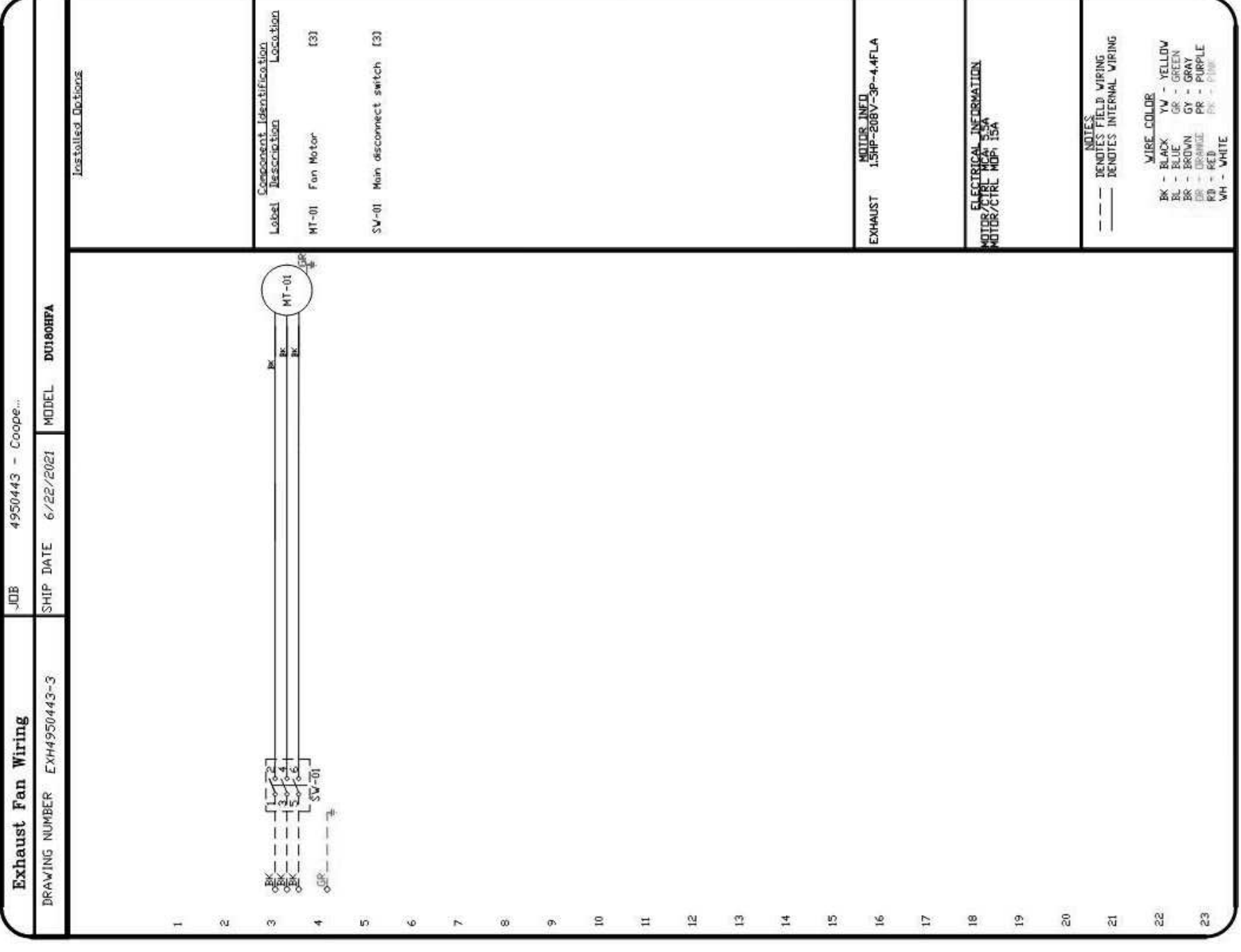
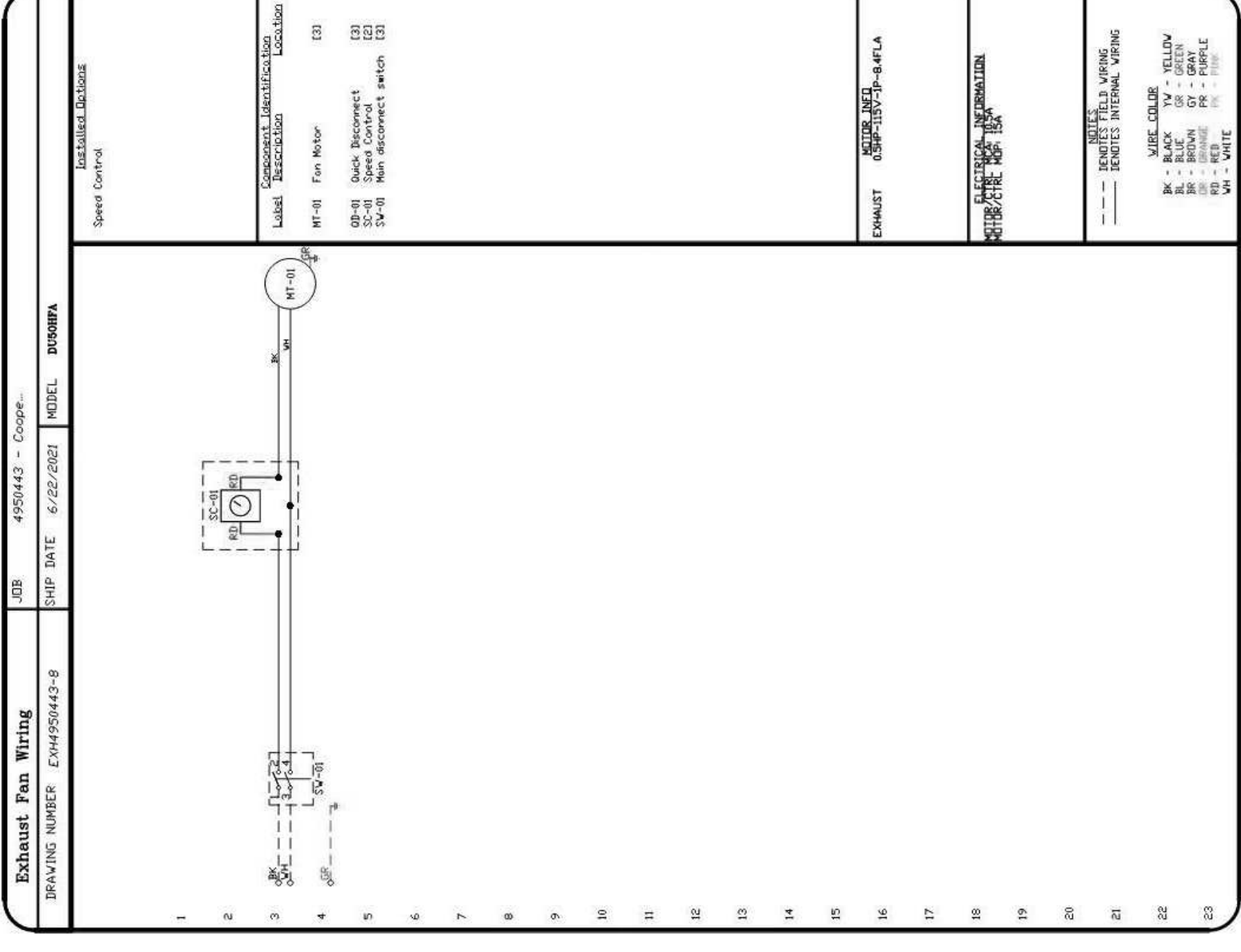
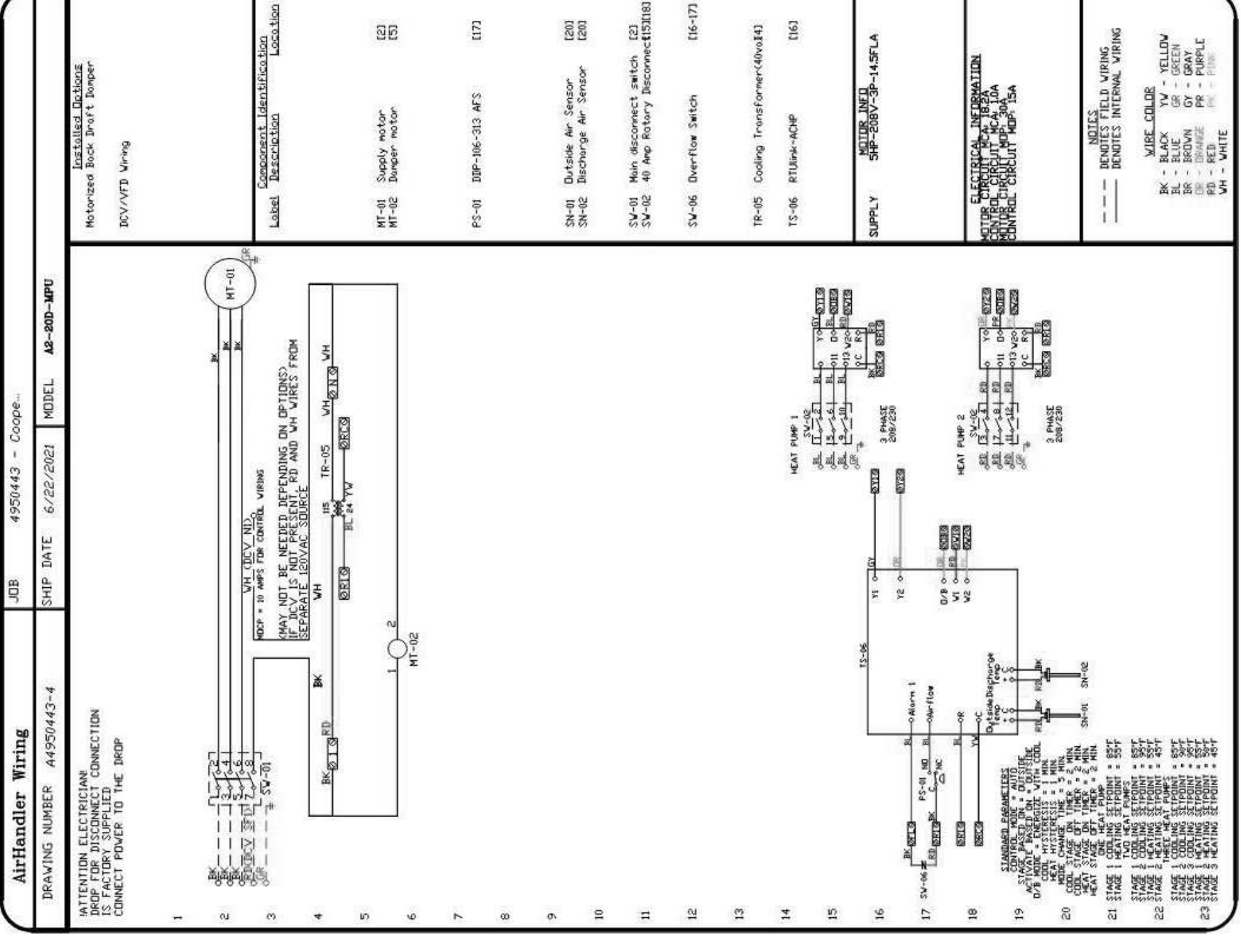
Cooper's Hawk - Wellington, FL
WELLINGTON, FL, 33414

REVISIONS

NO.	DESCRIPTION	DATE

DATE: 6/22/2021
DWG.#: 4950443
DRAWN BY: MAP-52
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
11



Midwest, SSS Kemp
4577 Willow Parkway
Cleveland, OH 44125
300 E. Business Way, Ste. 200
Channah, OH 45241
145 E. Rich Street Ste. 200
Columbus, OH 43215
590 Vista Park Drive
Pittsburgh, PA 15205
P. 216-271-7700
trismarkusa.com

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REVISIONS	NO.	DESCRIPTION
DATE		

Cooper's Hawk Winery

Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
CHECKED	APPROVED
SHEET	AHS

VENDOR/CUSTOMER
FABRICATION - HOOD

SHEET NUMBER
QF711

REVISIONS	DATE



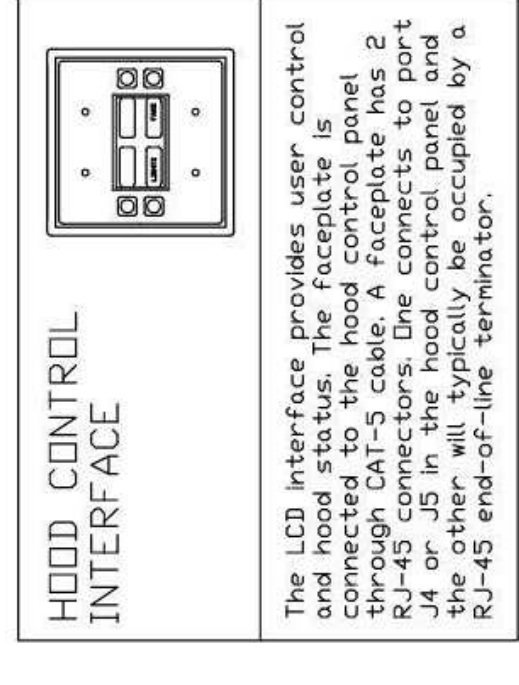
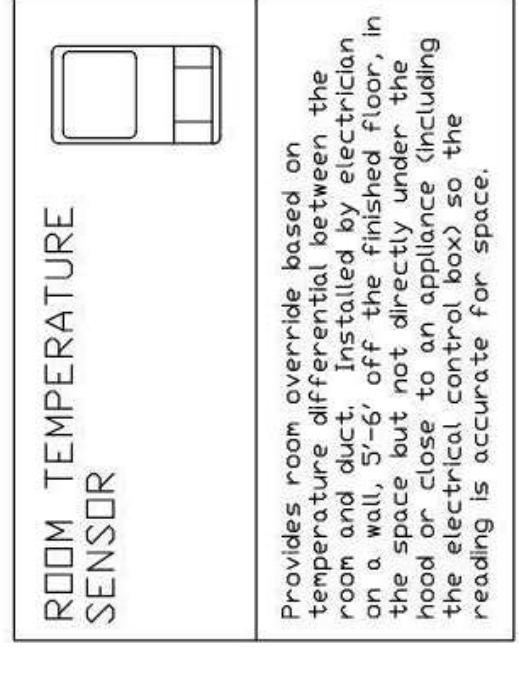
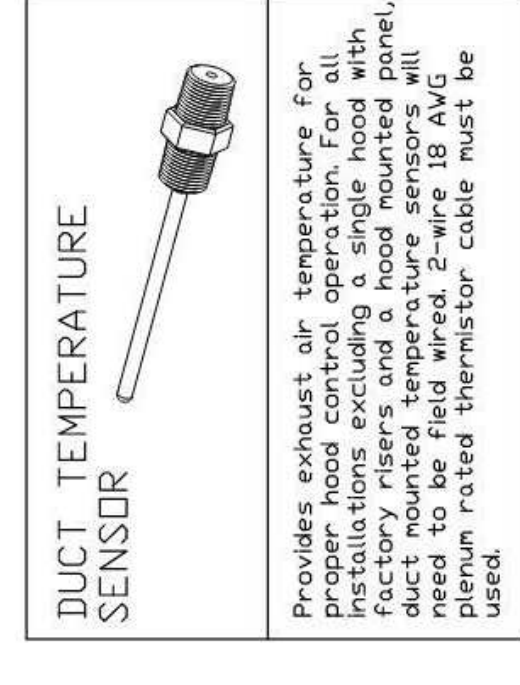
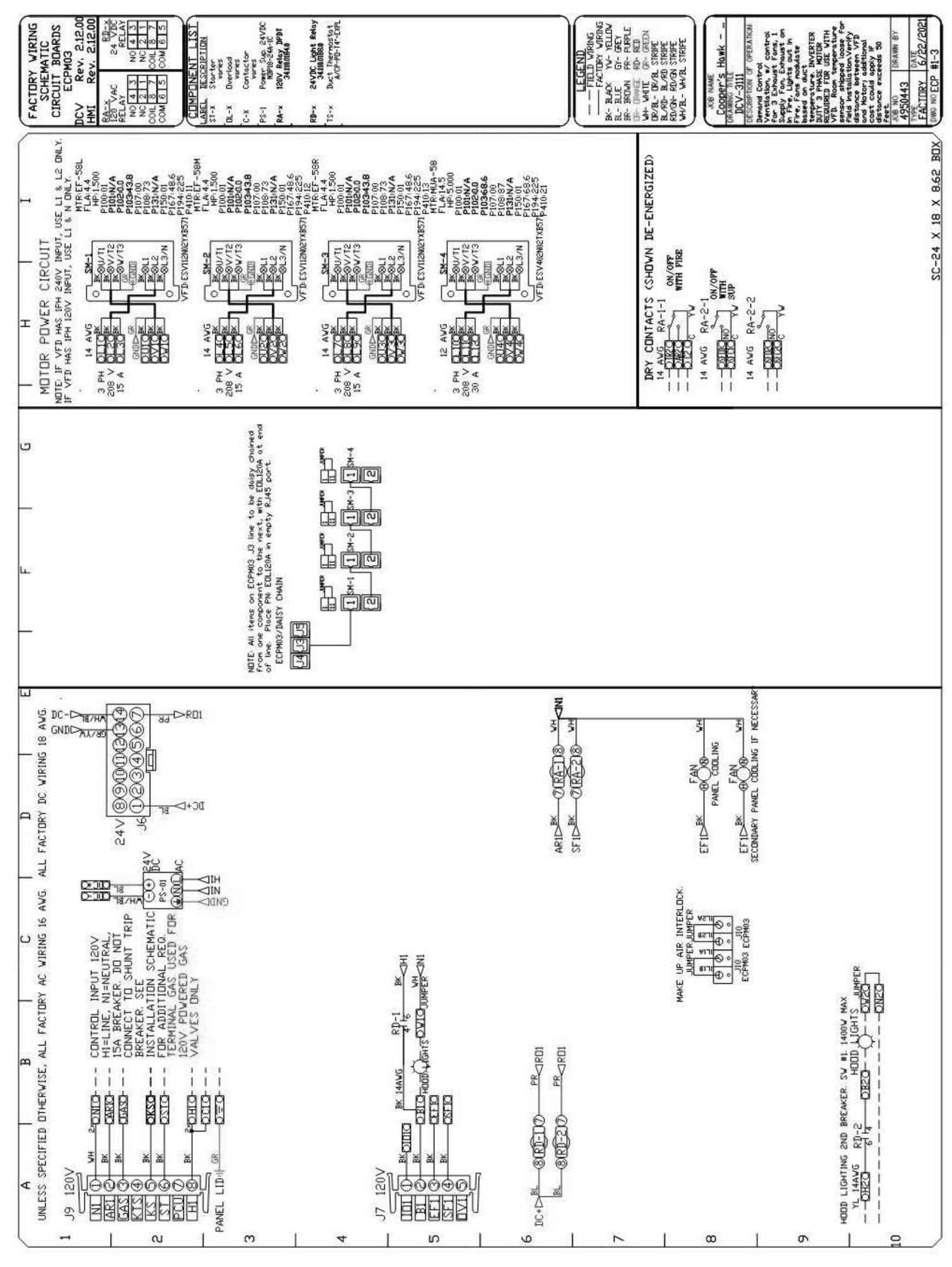
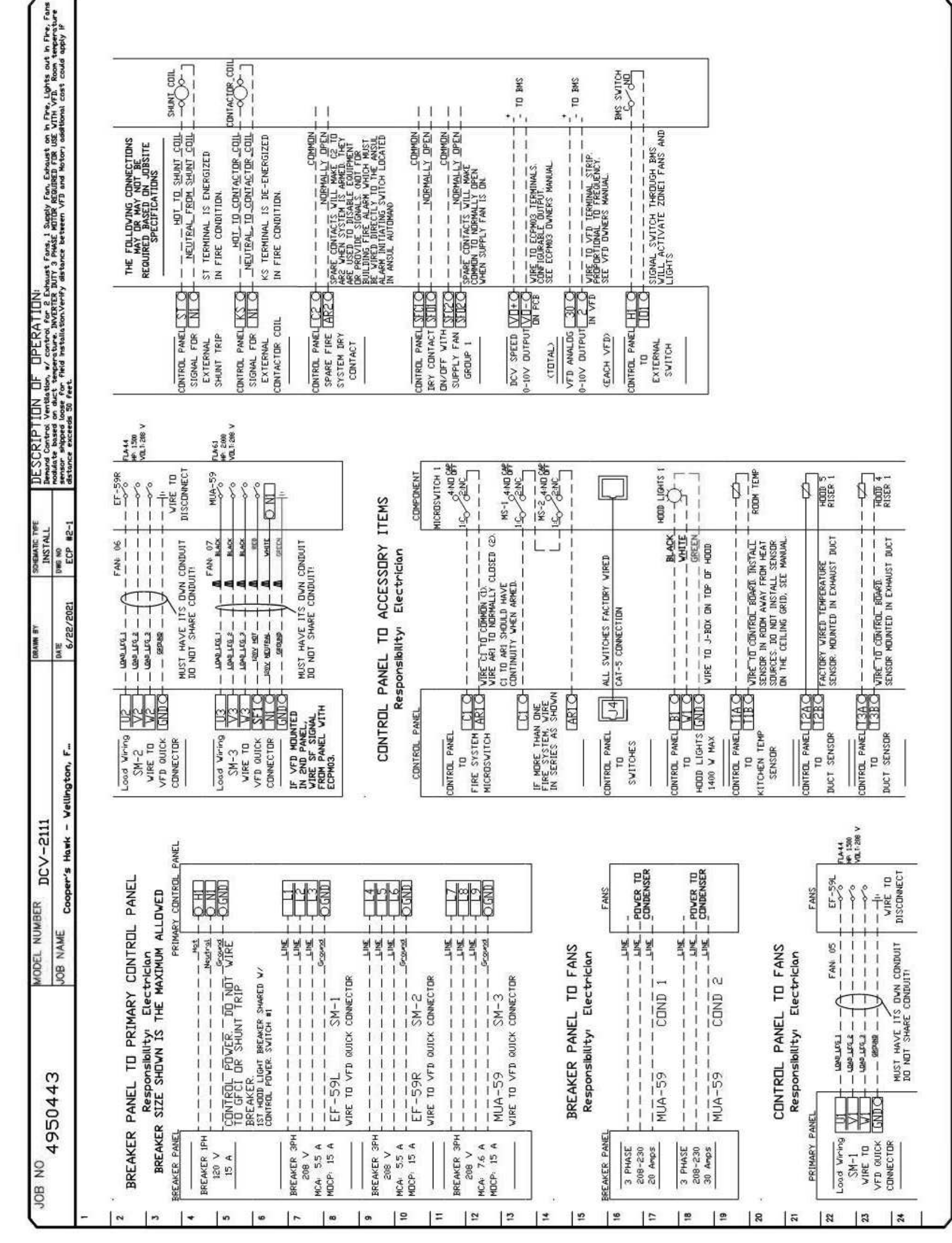
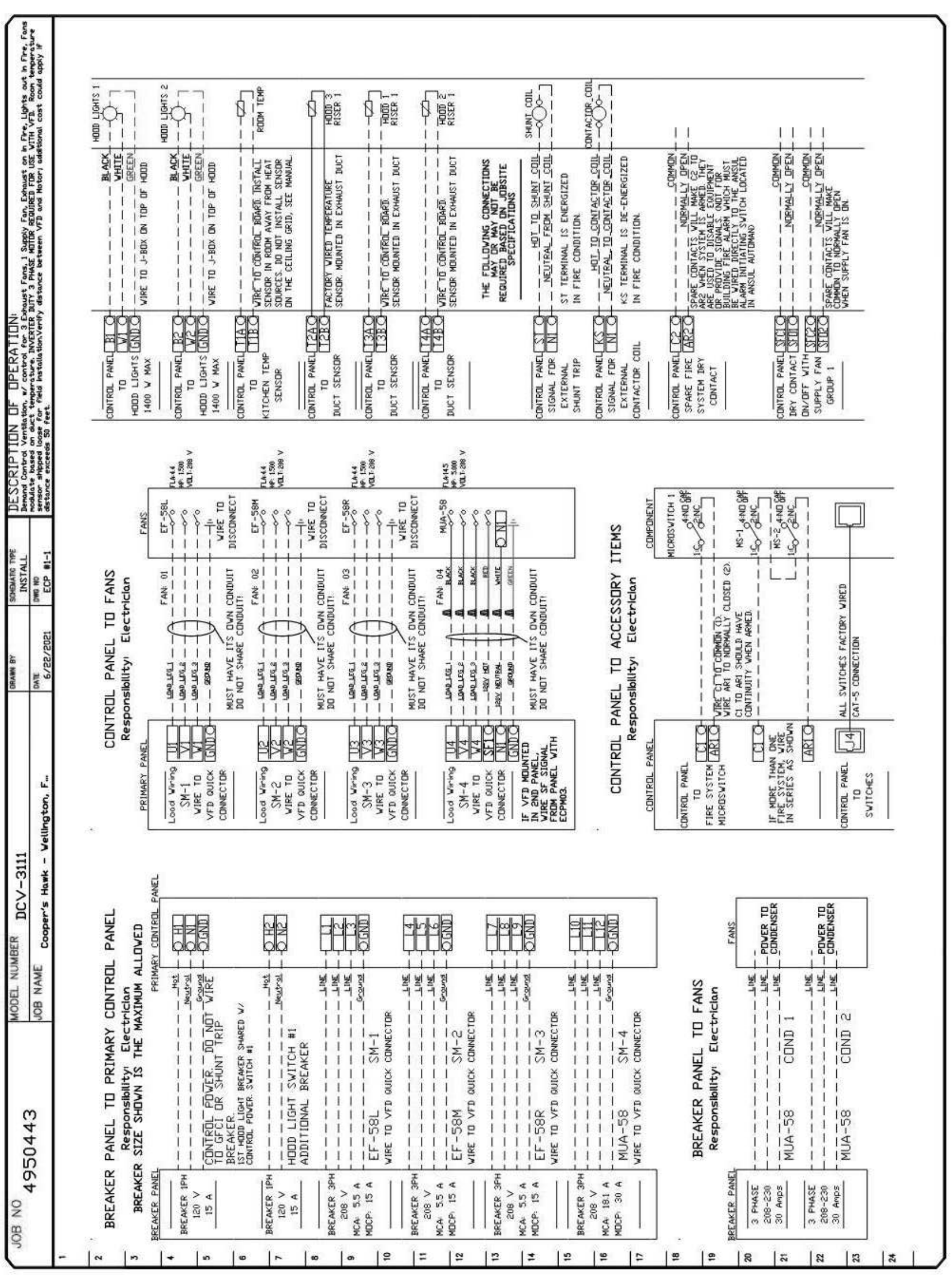
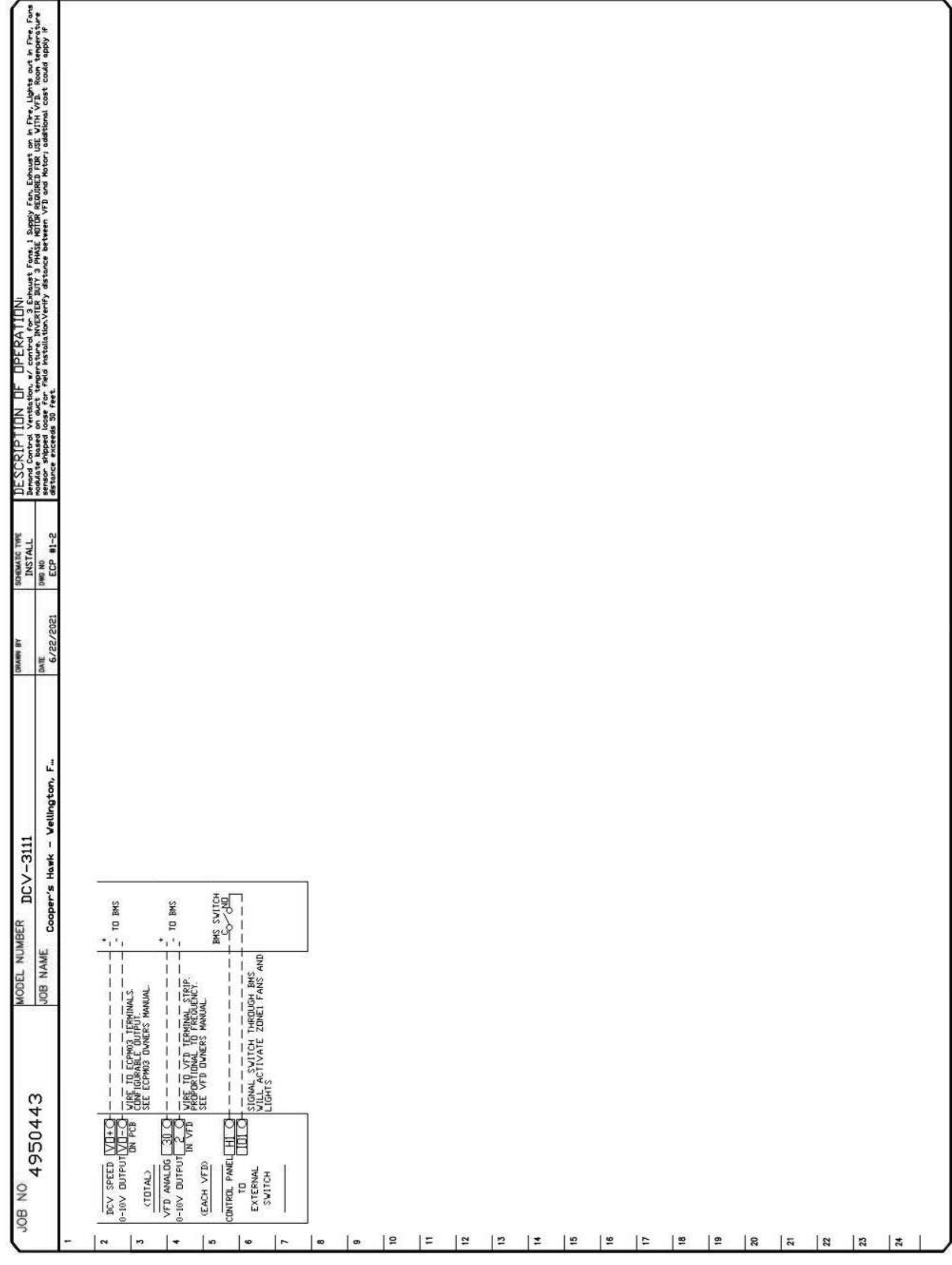
808 Morrison Rd. Gahanna, OH, 43230 PHONE: FAX: (619) 227-9225 EMAIL: reg2@captveair.com
www.captiveair.com
Northern Ohio Office

Cooper's Hawk - Wellington, FL
WELLINGTON, FL, 33414
DATE: 6/22/2021
DWG.#: 4950443
DRAWN BY: MAP-SE
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 12

ALL POWER FEED FROM VARIABLE FREQUENCY DRIVES IN HOOD CONTROL PANEL TO FAN MOTORS MUST BE IN SEPARATE STEEL CONDUIT - OR MOTOR/VFD FAILURE MAY OCCUR

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	#	HP	VOLTS	ELA
1	EP-1	DEV-311	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DEV	EF-SBL	EXHAUST	3	1500	208	4.4
				HEAD # 3	1 FAN		EF-SBR	EXHAUST	3	1500	208	4.4
				HEAD # 4	1 FAN		MUA-SB	SUPPLY	3	1500	208	14.5
2	EP-2	DEV-211	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DEV	EF-SBL	EXHAUST	3	1500	208	4.4
				HEAD # 5	1 FAN		EF-SBR	EXHAUST	3	1500	208	4.4
3	Item B83	SWITCHES		06 - FACE MOUNT RIGHT SIDE OF HOOD	1 LIGHT		MUA-S9	SUPPLY	3	2000	208	6.1
				HEAD # 6	1 FAN							

ELECTRICAL PACKAGE - JOB#4950443



REVISIONS	
DATE	NO. DESCRIPTION


Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS
SHEET	

VENDOR/CUSTOM FABRICATION - HOOD

SHEET NUMBER
QF712

REVISIONS	DATE	DESCRIPTION	BY	CHK

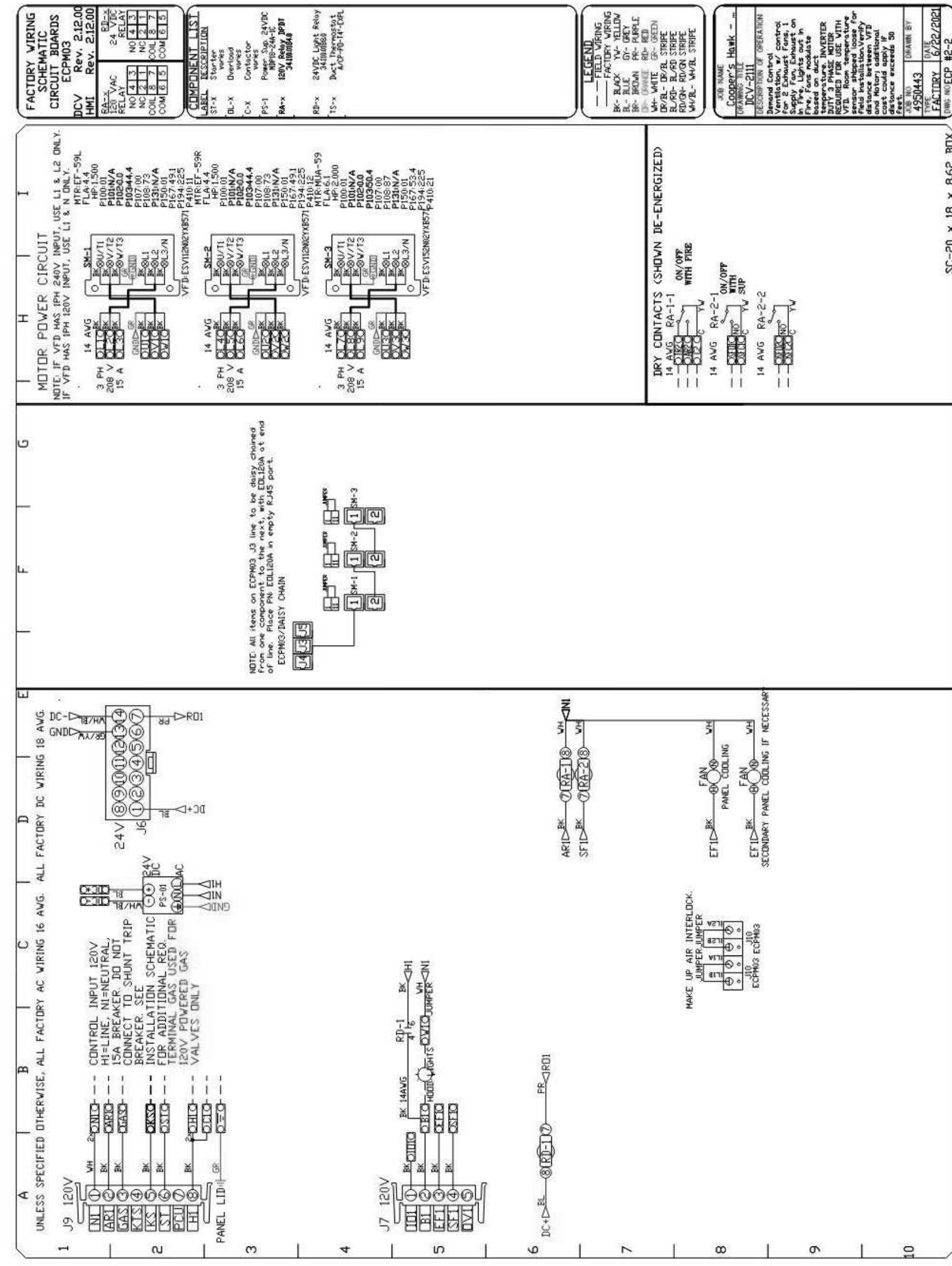


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Cooper's Hawk - Wellington, FL
WELLINGTON, FL, 33414

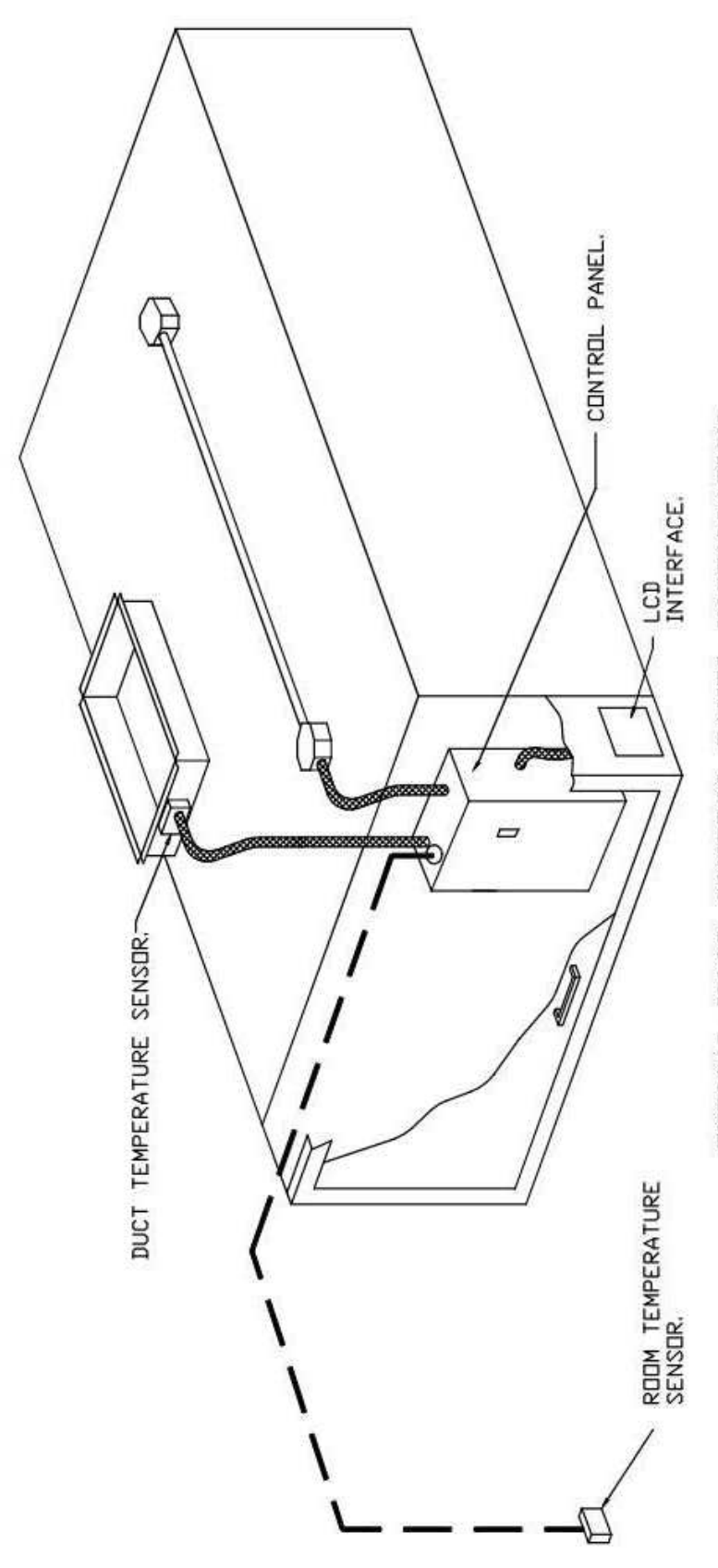
DATE: 6/22/2021
DWG.#: 4950443
DRAWN BY: MAP-52
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
13



DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBES LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURE SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 907.11.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE HOOD EXHAUST FANS. THE HYSTERESIS SETTINGS SHALL BE ADJUSTABLE TO PREVENT CYCLING OF THE SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDs) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDs BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S). ACTIVATE THE EXHAUST FAN(S). ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
 - ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
 - INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
 - MANUAL MODE SELECTION FOR EXHAUST FAN(S) OPERATION.
 - DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
 - A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
 - AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KW/H FROM THE VFDs.



SEQUENCE OF OPERATIONS:

- THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:
 - AUTOMATIC:** THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND HOOD EXHAUST FAN TEMPERATURE. THE SYSTEM WILL RUN AS LONG AS THE DIFFERENTIAL IS GREATER THAN THE CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE HOOD CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC", THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH STATIC MOTORS WILL RUN AT A CONSTANT SPEED. THE SYSTEM WILL RUN UNTIL THE DIFFERENTIAL IS CALCULATED FOR THE DRIVE DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.2.8.
 - MANUAL:** THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
 - SCHEDULE:** A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA UPSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
 - OTHER:** THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
 - FIRE:** UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO RUN. THE HOOD MAKEUP AIR WILL SHUTDOWN AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

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Owner and all Contractors to field before starting construction. Changes in materials or detail changes.

REVISIONS	NO.	DESCRIPTION
DATE		

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	4589003
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

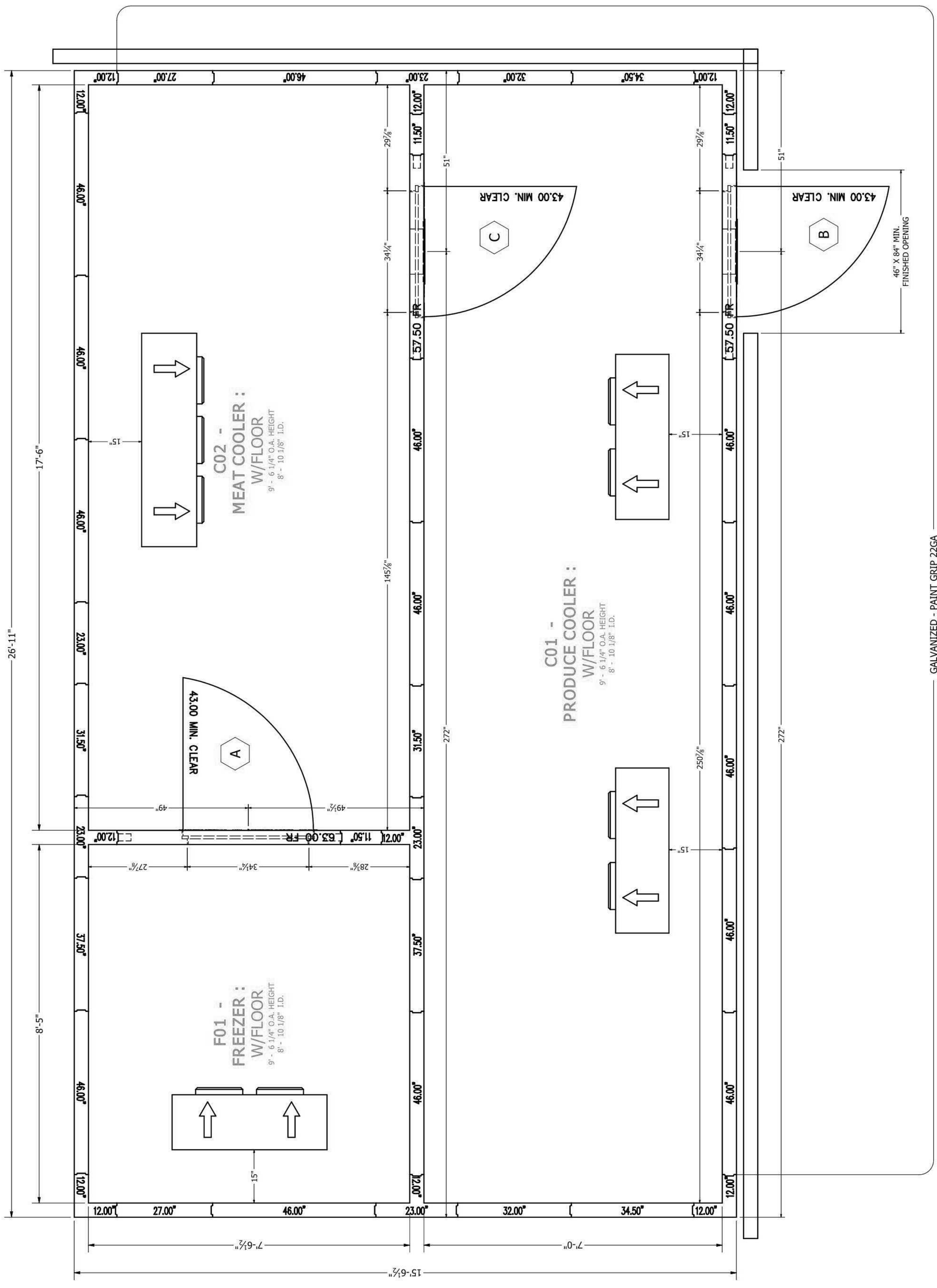
VENDOR/CUSTOMER
FABRICATION - WALK-IN

DRAWING #: A19121R1
UNIT #: 001
ORDER #: N/A



TRIMARK SS KEMP & CO
COOPER'S HAWK - 3 COMPT OUTDR
N/A
ST PETERS, MO 63303 USA

DATE	DESCRIPTION



GALVANIZED - PAINT GRIP 22GA
WALLS LAYOUT

WALK-IN SPECIFICATIONS

OUTDOOR COMBO
OVERALL SIZE: 26'-11" X 15'-6 1/2" X 9'-5 1/4" (OUTDOOR)

PANELS
FOAMED IN PLACE URETHANE FOAM 4"

EXTERIOR FINISH
WALL: GALVANIZED - SMOOTH 20GA, EXCEPT AS NOTED
TOP: GALVANIZED - SMOOTH 20GA
DOOR: GALVANIZED - SMOOTH 20GA
FLOOR: GALVALUME - ENROSSSED 26 GA

INTERIOR FINISH
WALL: GALVALUME - ENROSSSED 26 GA
TOP: GALVALUME - ENROSSSED 26 GA

FLOOR TYPE
F01 FREEZER :
STANDARD 1000W ERA
ALUMINUM - SMOOTH ALUMINUM .100

COIL PRODUCE COOLER :
STANDARD 1000W ERA
ALUMINUM - SMOOTH ALUMINUM .100

COIL MEAT COOLER :
STANDARD 1000W ERA
ALUMINUM - SMOOTH ALUMINUM .100

WALK-IN ACCESSORIES
(1) ARCTICFOX W/FLA KIT 120V 60HZ
(2) LIGHT FIXTURE - KASON 1810LC LED 48IN
(3) HOOKS - 1/2" X 3/8" (ODDC STRIPS)
(4) LOU, RACKING CLIP
(5) TRIM ANGLE 3" X 3" X 96" (W/IN CL TO BUILDING)

REFRIGERATION
F01 FREEZER :
KPC19R20P-3E, R404A, VOLTS: 208-230-60-3, BTU: 6670
KPC19R20P-3E, R404A, VOLTS: 115-60-1, BTU: 2261
TEMP: WALK-IN 10, AMBIENT TEMP: 100

COIL MEAT COOLERS :
KPC16R60D-3E, R404A, VOLTS: 208-230-60-3, BTU: 14050
KAPR6-14-1-EC-PR-4, VOLTS: 115-60-1, BTU: 4645
TEMP: WALK-IN 34, AMBIENT TEMP: 100

COIL PRODUCE COOLER :
KPC16R60P-3E, R404A, VOLTS: 208-230-60-3
KPC16R60P-3E, R404A, VOLTS: 115-60-1, BTU: 14050
TEMP: WALK-IN 34, AMBIENT TEMP: 100

ATTENTION

- SUBMITTAL DRAWING NOT INTENDED FOR INSTALLATION
- AS-BUILT DRAWING FOR INSTALLATION WILL BE AVAILABLE AFTER ORDER IS PLACED. HARD COPY OF AS-BUILT DRAWING WILL BE IN HARDWARE BOX WITH WALK-IN SHIPMENT TO ORBIT. ALL AS-BUILT DRAWINGS SHOW PART NUMBERS AND ID LABELS ON PLAN VIEWS.
- ALL WALK-INS ARE DESIGNED FOR INDOOR APPLICATION UNLESS NOTED OTHERWISE
- WALK-INS MUST BE INSTALLED ON A LEVEL SURFACE WITH A MINIMUM OF 1/2" (13MM) CLEARANCE UNDER THE WALK-IN
- WALK-INS MUST BE INSTALLED WITH A MINIMUM OF 1/2" (13MM) CLEARANCE AROUND THE ENTIRE PERIMETER SURFACE
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- WALK-INS MUST BE INSTALLED WITH A MINIMUM OF 1/2" (13MM) CLEARANCE AROUND THE ENTIRE PERIMETER SURFACE

FOR APPROVAL
YOU MUST REVIEW ALL DIMENSIONS, FINISHES, DOOR SIZES, LOCATIONS AND SWINGS.

- APPROVAL - NO CHANGE REQUIRED, MANUFACTURE AS DRAWN.
 - APPROVED AS NOTED - MAKE REQUIRED CHANGES AND MANUFACTURE AS DRAWN.
 - NOT APPROVED - DESIGN CHANGES REQUIRE DRAWING REVISION AND RESUBMISSION.
- DATE: _____ BY: _____

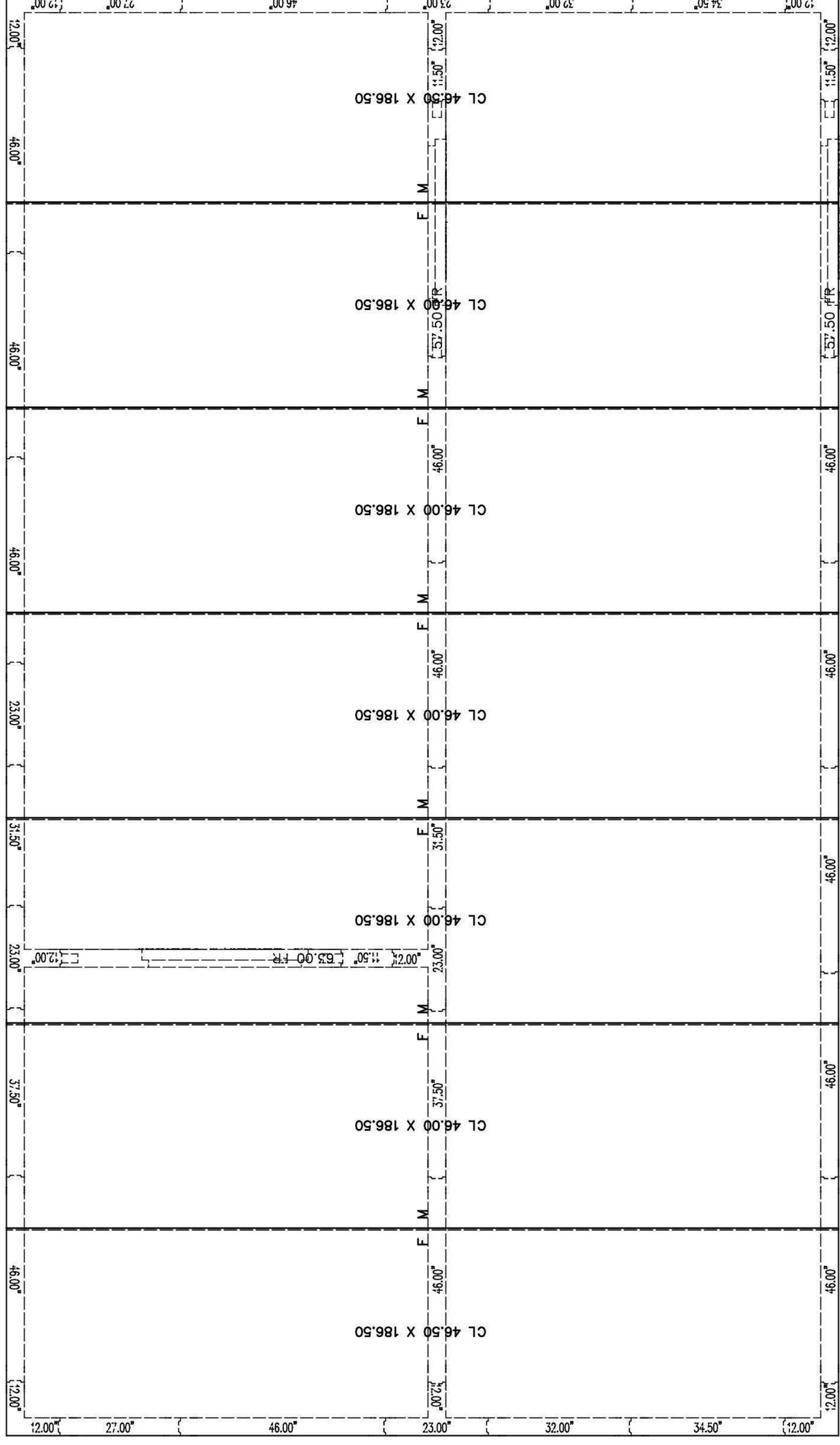
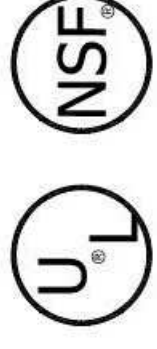
SMOOTH FINISH DISCLAIMER

Units with non-textured and/or no-profile panel finishes (smooth finishes) on the exterior and interior faces may exhibit "oil canning" and flatness imperfections on the surface. Our standard panels have a stucco embossed texture on both faces that helps to reduce oil canning and any other irregularities in the exposed surface. Please be aware of this potential situation in your specification process. Such "oil canning" and flatness issues are typical and are not covered under standard warranties.

NOTICE:

- Kopak and Harford walk-ins are compliant with UL standards.
- Door panels are UL471, UL file listing E46140.
- Standard Evaporator coils are UL412.
- Condensing Units are UL1995.

WALK-IN SPECIFICATIONS



CEILING LAYOUT

ATTENTION

- SUBMITTAL DRAWING NOT INTENDED FOR INSTALLATION
- AS-BUILT DRAWING FOR INSTALLATION WILL BE AVAILABLE AFTER ORDER IS PLACED. HARD COPY OF AS-BUILT DRAWING WILL BE IN HARDWARE BOX WITH WALK-IN SHIPMENT TO CORRECT. ALL AS-BUILT DRAWINGS SHOW PART NUMBERS AND ID LABELS ON PLAN VIEWS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AREA PRIOR TO INSTALLATION.
- ALLOW 2" MINIMUM CLEARANCE WITH AROUND OF 5" CENTER (10" SQ FT) AROUND EXTERIOR PANEL SURFACES. INDOOR WALK-INS REQUIRE A MINIMUM OF 4" CLEARANCE FROM WALLS AND CEILING.
- GENERAL CONTRACTOR TO REFER TO DESIGN AND SPECIFICATION MANUAL FOR FLOOR DETAIL INFORMATION.
- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AREA PRIOR TO INSTALLATION. IT IS ABSOLUTELY NECESSARY THAT EACH ROOM BE PROPERLY VENTILATED.
- MANUFACTURING AND SEALING OF ALL METALS SHALL BE IN ACCORDANCE WITH THE MANUFACTURING STANDARDS.
- PANEL LAYOUT MAY CHANGE BASED ON OPTIMAL MANUFACTURING STANDARDS.
- WALK-IN TOP IS NOT DESIGNED FOR FOOT TRAFFIC OR STORAGE UNLESS NOTED OTHERWISE. CLEARANCE IS REQUIRED AROUND TOP AND SIDES OF WALK-IN.
- FLOOR, CURB, AND PIT DETAILS ARE FOR GENERAL REFERENCE ONLY. THESE DRAWINGS SHOULD NOT BE USED OR INCORPORATED IN THE ENGINEER'S DESIGN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE WALK-IN OR FOR THE DESIGN OF THE BUILDING ENGINEER OR ARCHITECT.
- ALL WALK-IN PARTS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
- UNFLOORED PARTS: 500. IN THIS DRAWING, UNFLOORED PARTS ARE SHOWN WITH SLASHES TO INDICATE THEY ARE NOT TO BE INSTALLED.
- R-VALUES MEET DOE REQUIREMENTS AND ARE ASTM C518 TESTED. COOLER R-VALUES ARE R-29 FOR 4" THICK, R-35 FOR 5" THICK, AND R-42 FOR 6" THICK. FREEZER R-VALUES ARE R-29 FOR 4" THICK, R-35 FOR 5" THICK, AND R-42 FOR 6" THICK.
- FLOORS NOT DESIGNED FOR WET MAPPING, PALLET JACKS, OR FORKTRUCK TRAFFIC.

FOR APPROVAL

YOU MUST REVIEW ALL NOTES, DETAILS, DIMENSIONS, FINISHES, DOOR SIZES, LOCATIONS AND SWINGS.

- APPROVAL - NO CHANGE REQUIRED, MANUFACTURE AS DRAWN.
- APPROVED AS NOTED - MAKE REQUIRED CHANGES AND MANUFACTURE AS DRAWN.
- NOT APPROVED - DESIGN CHANGES REQUIRE DRAWING REVISION AND RESUBMISSION.

DATE: _____ BY: _____

SMOOTH FINISH DISCLAIMER



Panels with non-textured and/or no-profile panel finishes (smooth finishes) on the exterior and interior faces may exhibit "oil canning" and flatness imperfections on the surface. Our standard panels have a stucco embossed texture on both faces that helps to reduce oil canning and any other irregularities in the exposed surface. Please be aware of this potential situation in your specification process. Such "oil canning" and flatness issues are typical and are not covered under standard warranties.

NOTICE:

- Kolpak and Harford walk-ins are compliant with UL standards.
- Door panels are UL471, UL file listing E461.40.
- Standard Evaporator coils are UL412.
- Condensing Units are UL1995.

DRAWING #: A191291R1	UNIT #: 001	ORDER #: N/A
TRIMARK SS KEMP & CO		
COOPER'S HAWK - 3 COMPT OUTDR		
N/A		
ST PETERS, MO 63303 USA		
A Welbilt Brand		
KOLPAK		

AD-2 of 5



TriMark
Foodservice Equipment, Supplies and Design
Midwest: SSS Kemp
4577 Willow Parkway
Cleveland, OH 44125
300 E. Business Way, Ste. 200
Cincinnati, OH 45241
145 E. Rich Street Ste. 200
Columbus, OH 43215
590 Vista Park Drive
Pittsburgh, PA 15205
P: 216-271-7700
trimarkusa.com

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Owner and all Contractors to field before starting construction any and all changes, material or detail changes.

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DRAWN:	ABW
CHECKED:	APPROVED
SHEET #:	AHS

VENDOR/CUSTOMER
FABRICATION - WALK-IN

SHEET NUMBER
QF714



Foodservice Equipment, Supplies and Design

Midwest: SSS Kemp
4597 Willow Parkway
Cleveland, OH 44125
300 E. Business Way Ste. 200
Cincinnati, OH 45241
145 E. Rich Street Ste. 200
Columbus, OH 43215
590 Vista Park Drive
Pittsburgh, PA 15205
p. 216-271-7700
trimagusa.com

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Owner and all Contractors to field before starting construction any work. Any changes to materials or details changes.

Table with columns: REVISIONS, DATE, NO., DESCRIPTION

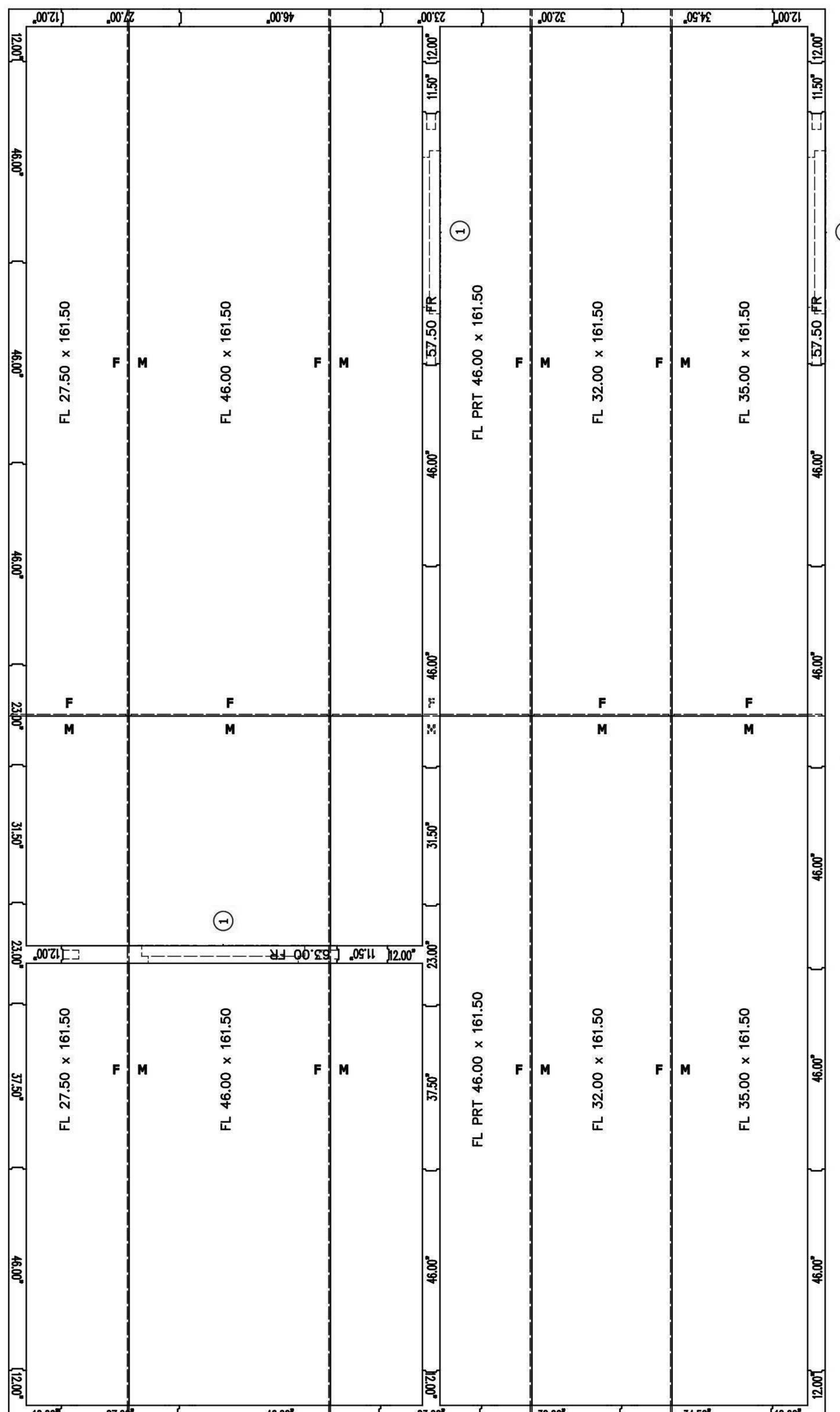
Cooper's Hawk Winery
Lee's Summit, MO

Table with columns: PROJECT, DATE, SCALE, DRAWING, APPROVED, SHEET #

VENDOR/CUSTOM FABRICATION - WALK-IN

SHEET NUMBER: QF715

WALK - IN SPECIFICATIONS
UL NSF



FLOORS LAYOUT

ATTENTION
1. SUBMITTAL DRAWING NOT INTENDED FOR INSTALLATION.
AS-BUILT DRAWING FOR INSTALLATION WILL BE AVAILABLE AFTER ORDER IS PLACED. HARD COPY OF AS-BUILT DRAWING WILL BE IN HARDWARE BOX WITH WALK-IN SHIPPED TO JOB SITE.

FOR APPROVAL YOU MUST REVIEW ALL NOTES, DETAILS, DIMENSIONS, FINISHES, DOORS SIZES, LOCATIONS AND SWINGS
APPROVAL: NO CHANGE REQUIRED, MANUFACTURE AS DRAWN
APPROVED AS NOTED - MAKE REQUIRED CHANGES AND MANUFACTURE AS DRAWN
NOT APPROVED - DESIGN CHANGES REQUIRE DRAWING REVISION AND RESUBMISSION.

SMOOTH FINISH DISCLAIMER
Panels with non-textured and/or no-profile panel finishes (smooth finishes) on the exterior and interior faces may exhibit "oil canning" and flatness imperfections on the surface.

NOTICE:
Kopak and Harford walk-ins are compliant with UL standards.
Door panels are UL471, UL file listing E461-40.
Standard Evaporator coils are UL412.
Condensing Units are UL1995.

Project information including TRIMARK SS KEMP & CO, COOPER'S HAWK - 3 COMPT OUTDR, and drawing details like DRAWING # A191291RT.



Midwest, S.S. Kemp
4587 Willow Parkway
Cleveland, OH 44125
300 E. Business Way Ste. 200
Cincinnati, OH 45241
145 E. Rich Street Ste. 200
Columbus, OH 43215
590 Vista Park Drive
Pittsburgh, PA 15205
p. 216-271-7700
trivarkusa.com

This document contains confidential information and is the property of TriMark. It shall not be used on other projects without TriMark's written approval.

Owner and all Contractors to field before starting construction and to verify any material or detail changes.

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery

Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DESIGN BY:	ABW
APPROVED BY:	AHS

VENDOR/CUSTOMER:
FABRICATION - WALK-IN

SHEET NUMBER:
QF716

DRAWING #: A191291R1
UNIT #: 001
ORDER #: N/A

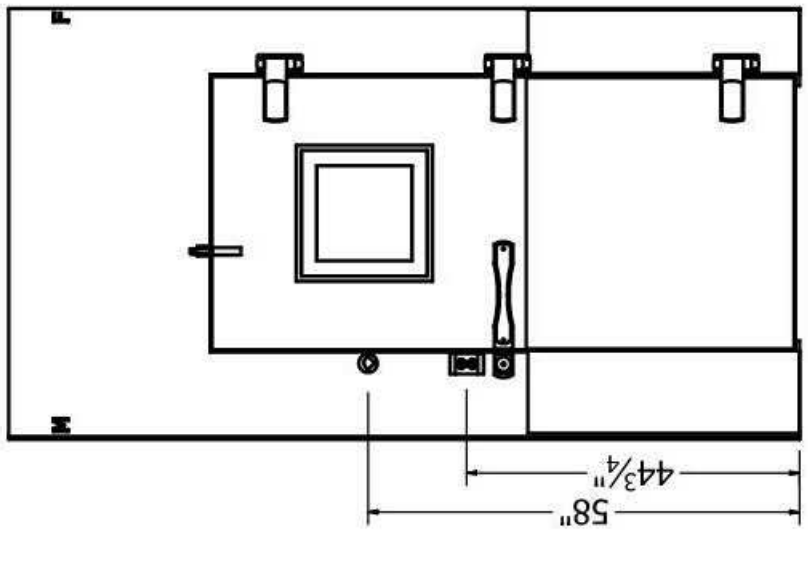


COOPER'S HAWK - 3 COMP OUTDR
N/A
ST PETERS, MO 63303 USA

TRIMARK SS KEMP & CO

DATE	DESCRIPTION

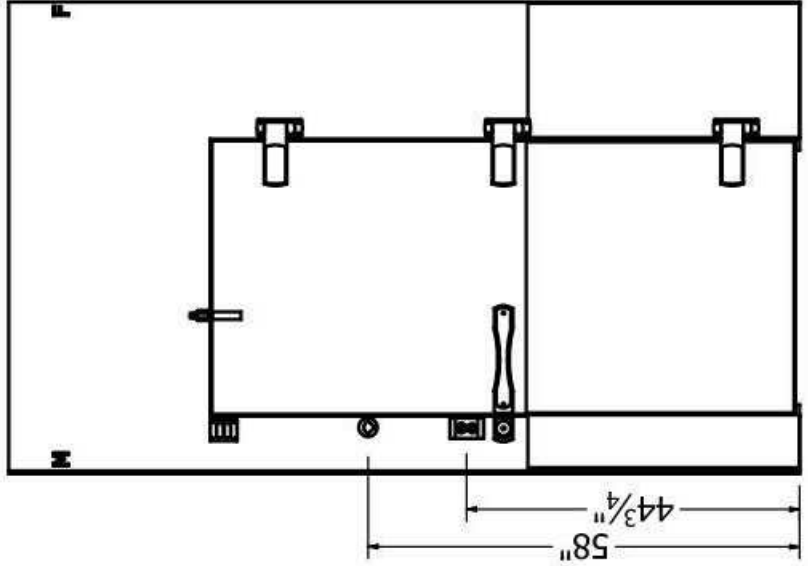
FRAME: 1" WITH 1/4" REINFORCING SAND AND 0.125" TILE AND GROUT
EXT: GALVALUME - EMBOSSED 26 GA
INT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH
INT: GALVALUME - EMBOSSED 26 GA
INT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH



OFFSET = 1.25
DR 34.00" x 78.00"
FR 57.50" x 106.25"
DW-2 B

DESCRIPTION	QTY	VOLT	AMP	AMP LOAD
HEATED VIEWPORT	1	115	0.88	0.80
LED LIGHT	2	115	0.10	0.20
115 VOLT, SINGLE PHASE, 60 Hz, TOTAL DOOR AMPS: 0.92				

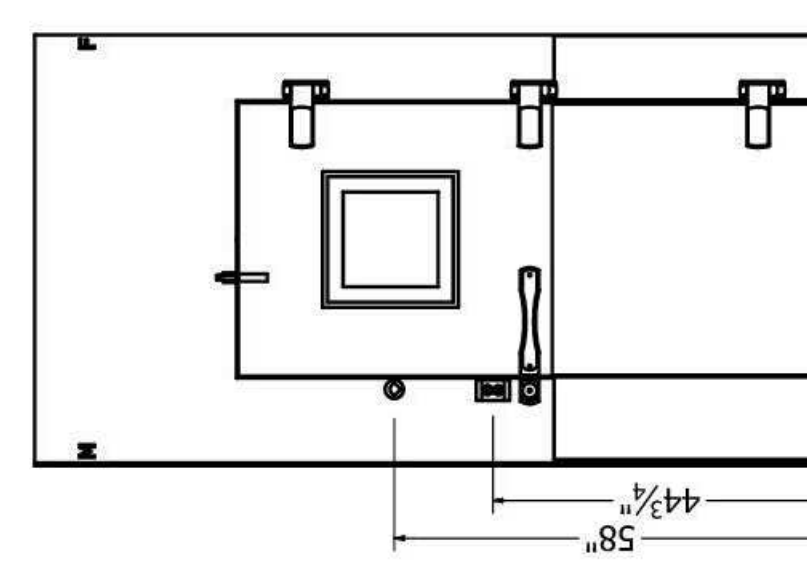
FRAME: 1" WITH 1/4" REINFORCING SAND AND 0.125" TILE AND GROUT
EXT: GALVALUME - EMBOSSED 26 GA
INT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH
INT: GALVALUME - EMBOSSED 26 GA
INT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH



OFFSET = 5.50
DR 34.00" x 78.00"
FR 63.00" x 106.25"
DW-1 A

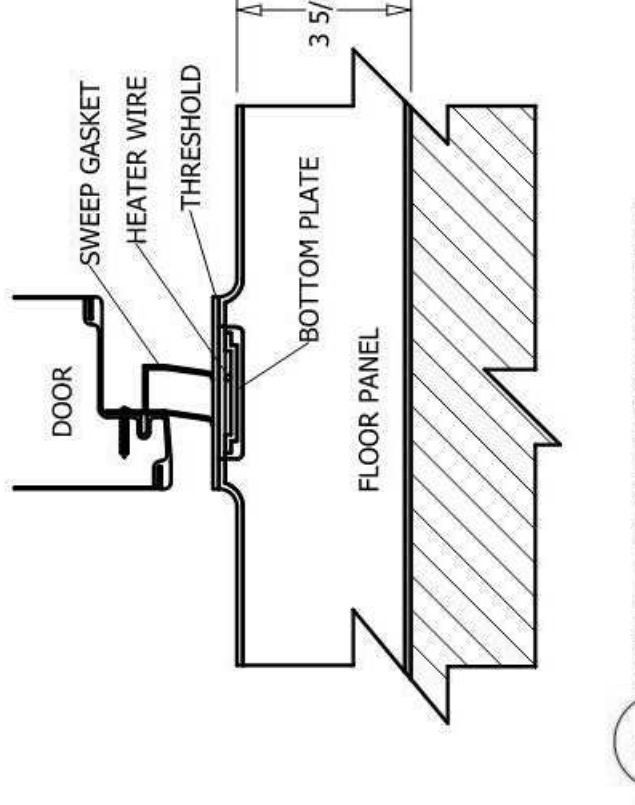
DESCRIPTION	QTY	VOLT	AMP	AMP LOAD
HEATED VIEWPORT	1	115	0.80	0.80
HEATED VIEWPORT	1	115	0.10	0.10
LED LIGHT	1	115	0.10	0.10
115 VOLT, SINGLE PHASE, 60 Hz, TOTAL DOOR AMPS: 0.94				

FRAME: 1" WITH 1/4" REINFORCING SAND AND 0.125" TILE AND GROUT
EXT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH
INT: GALVALUME - EMBOSSED 26 GA
INT: KICKPLATE, ALUM .063 DIAMOND TREAD 36" HIGH

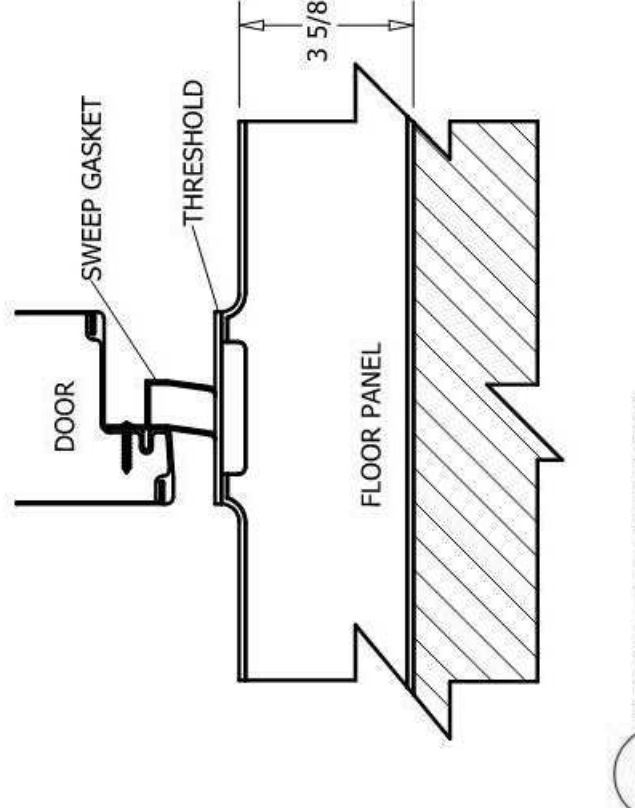


OFFSET = 1.25
DR 34.00" x 78.00"
FR 57.50" x 106.25"
DW-3 C

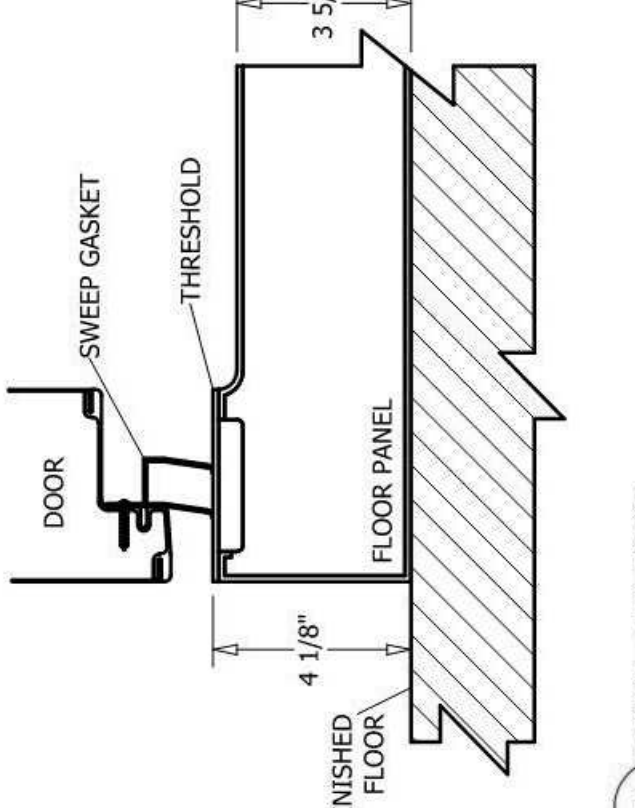
DESCRIPTION	QTY	VOLT	AMP	AMP LOAD
HEATED VIEWPORT	3	115	0.10	0.30
LED LIGHT	1	115	0.10	0.20
115 VOLT, SINGLE PHASE, 60 Hz, TOTAL DOOR AMPS: 0.52				



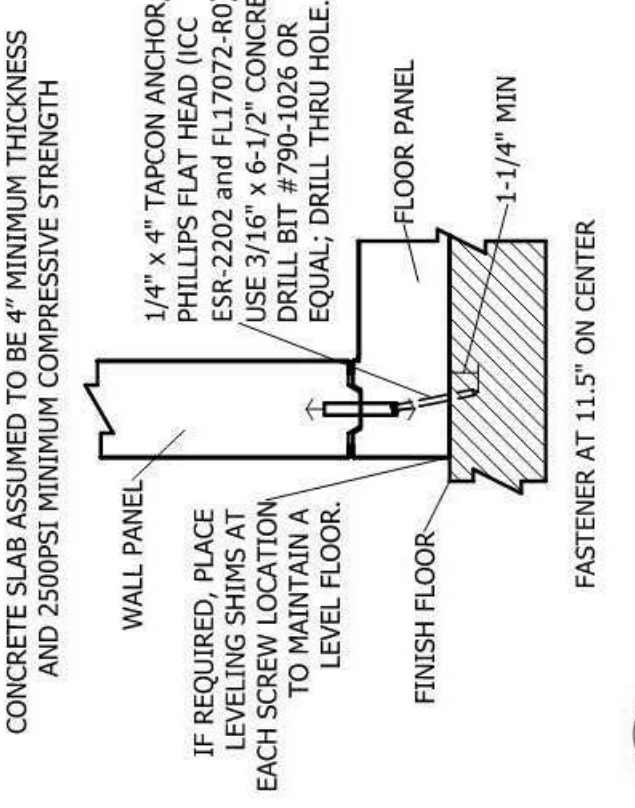
1 DETAIL - 4IN PRT FLOOR-HEAT WIRE
Scale: NTS



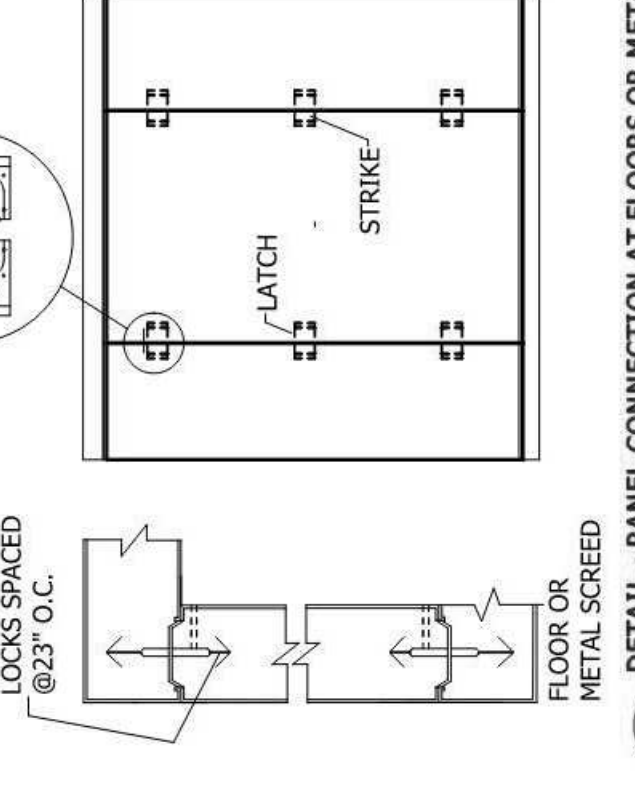
2 DETAIL - 4IN PRT FLOOR
Scale: NTS



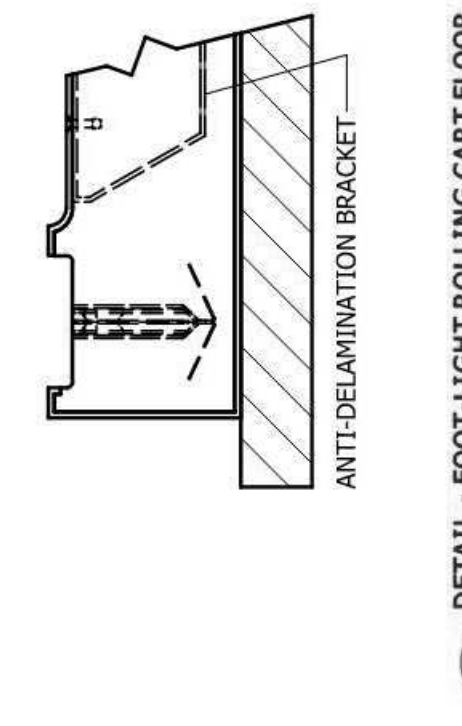
3 DETAIL - 4IN FLOOR
Scale: NTS



5 DETAIL - TAPCON ANCHOR WITH FLOOR
Scale: NTS

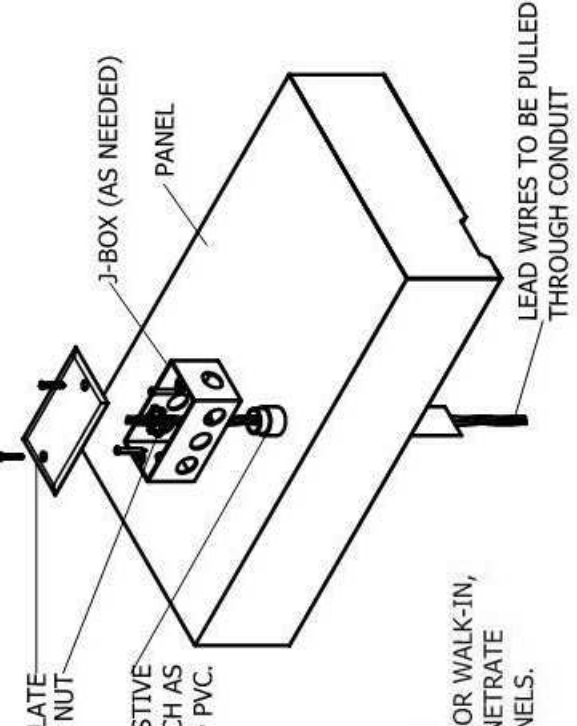


6 DETAIL - PANEL CONNECTION AT FLOORS OR METAL SCREENS
Scale: NTS

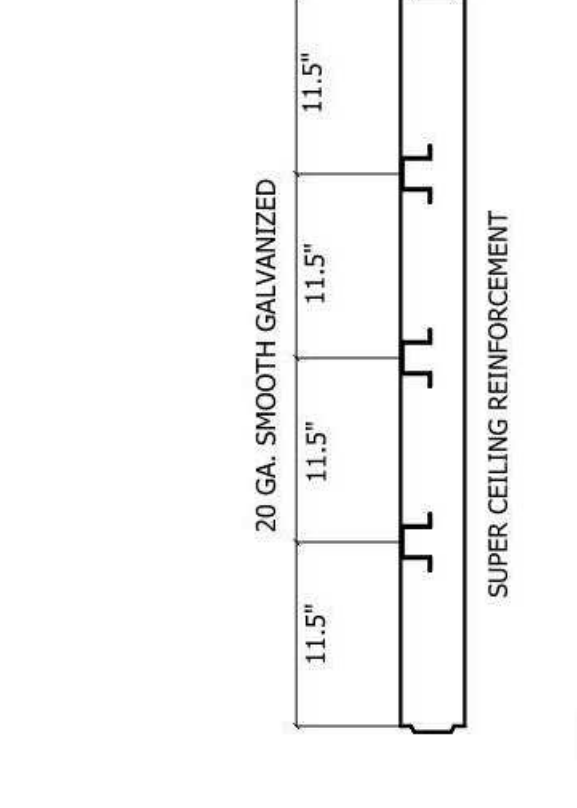


4 DETAIL - FOOT-ROLLING CART FLOOR
Scale: NTS

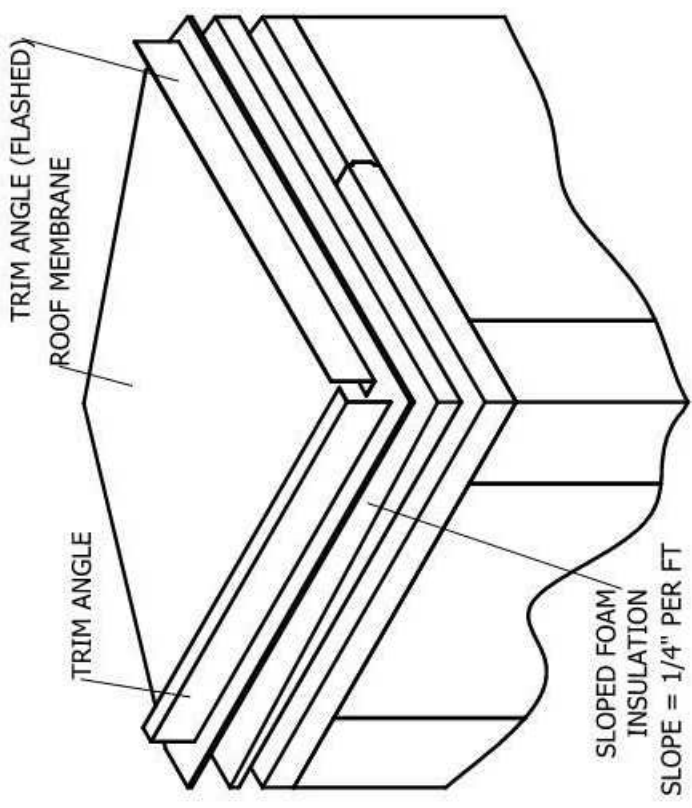
AT EVERY ENTRANCE CONDUIT, FORCE SEALANT AROUND THE ENTIRE CONDUIT. IF USING CONDUIT WITH AN O-RING FIT AROUND THE WIRES, FAILURE TO ELIMINATE AIRFLOW IN THE CONDUIT WILL ALLOW MOISTURE TO DAMAGE ELECTRICAL COMPONENTS ESPECIALLY LIGHTS WHICH WILL NOT BE COVERED UNDER WARRANTY.



8 DETAIL - ELECTRICAL CONDUIT PENETRATION
Scale: NTS



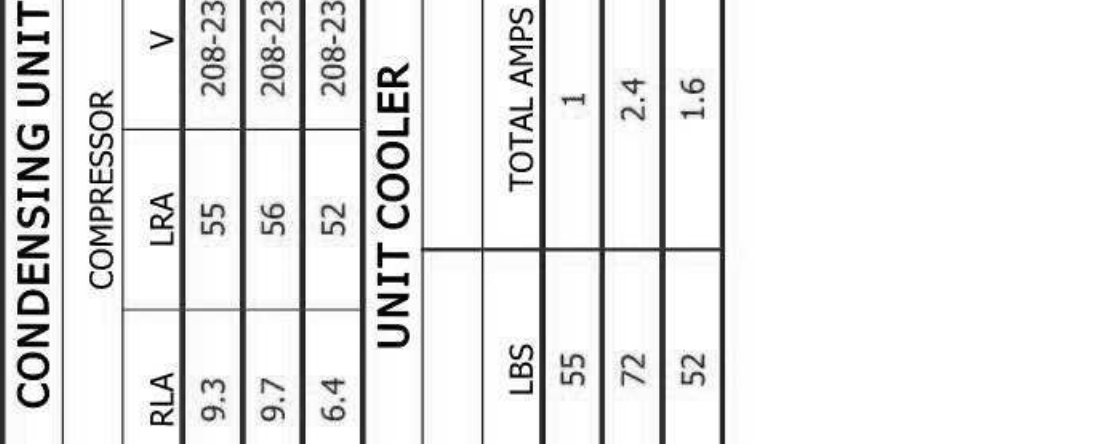
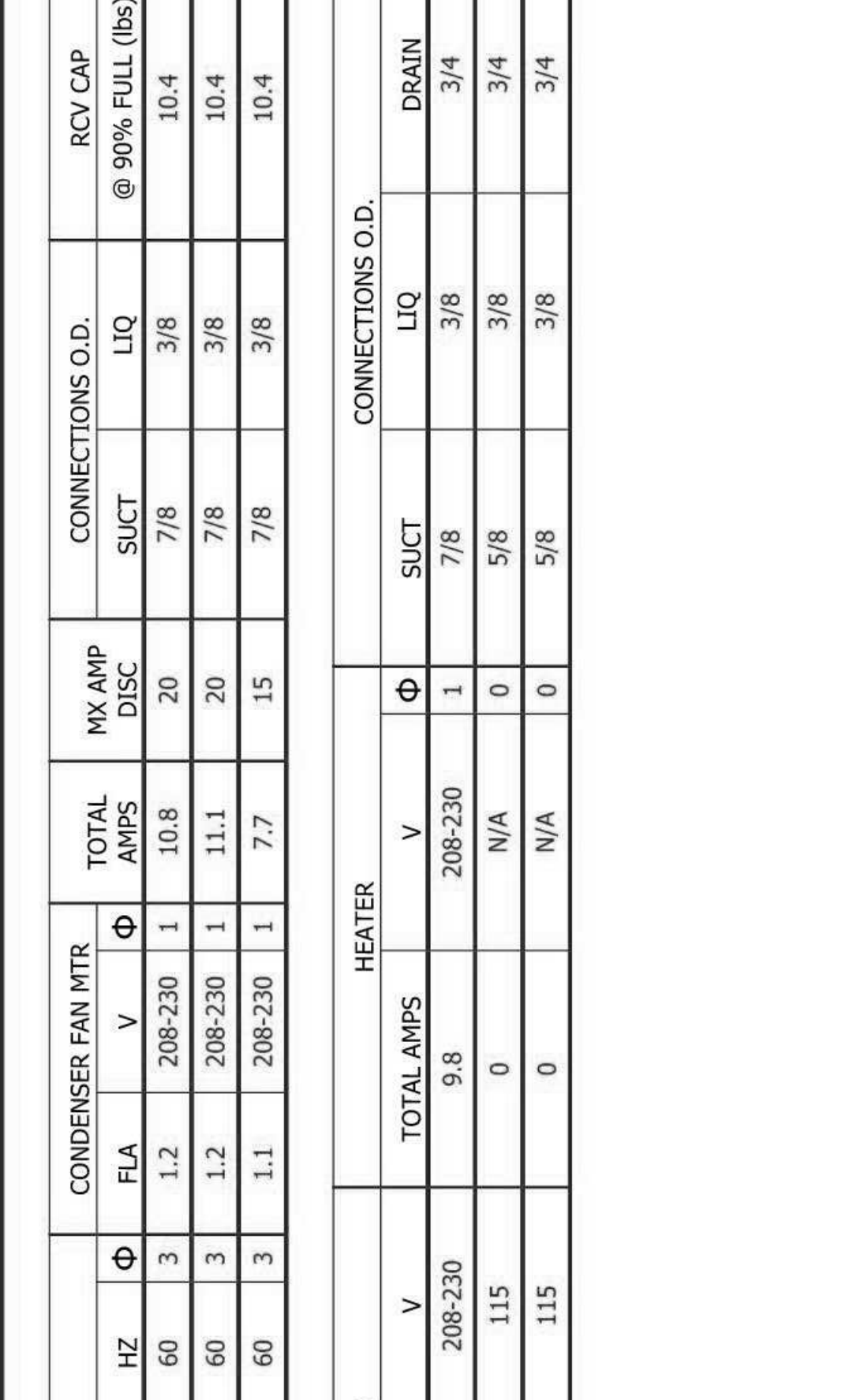
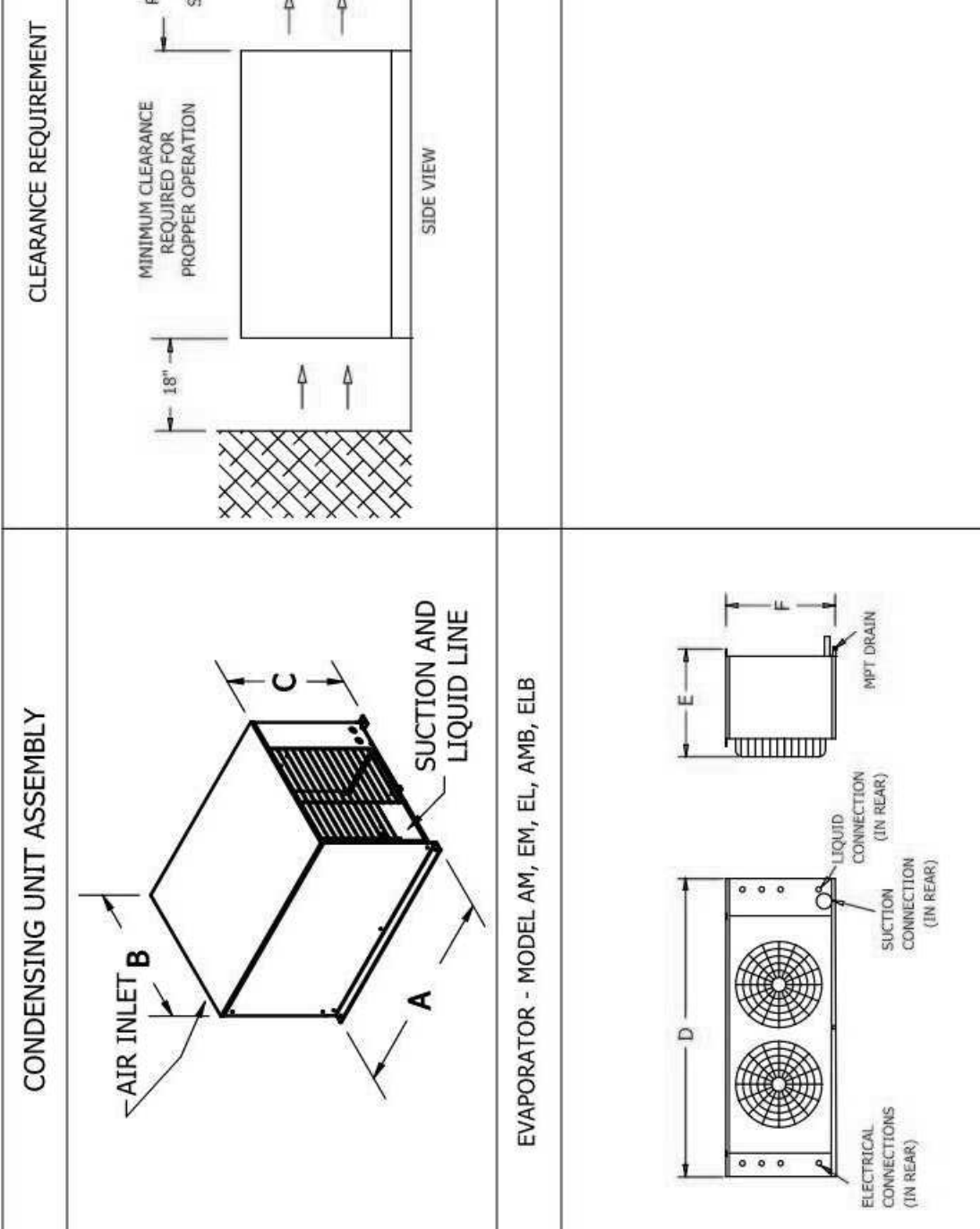
9 DETAIL - SUPER CEILING
Scale: NTS



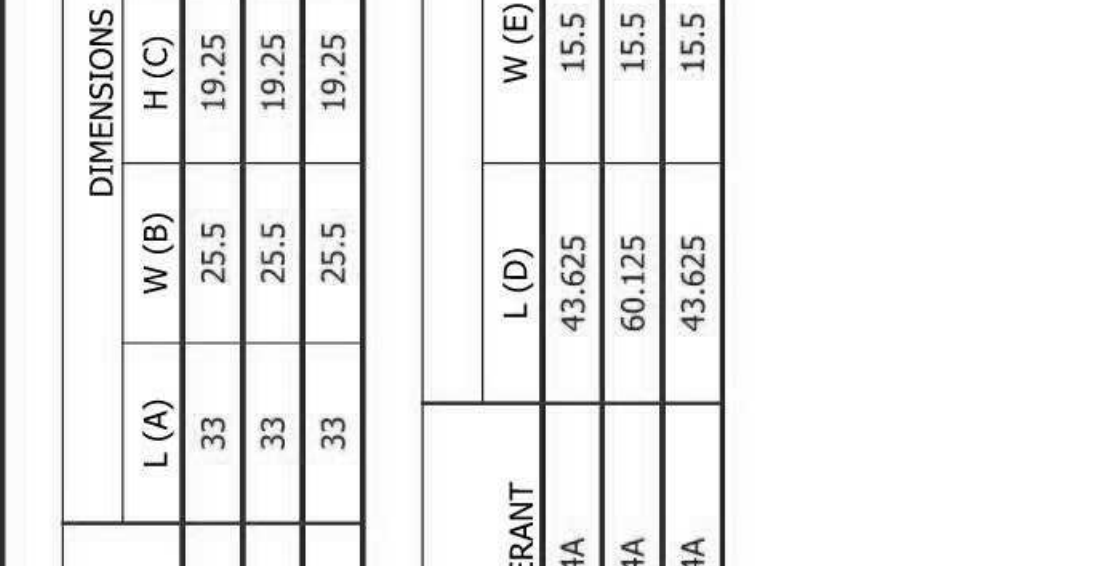
10 DETAIL - SLOPE MEM ROOF CAP FLASHED
Scale: NTS

CONDENSING UNIT

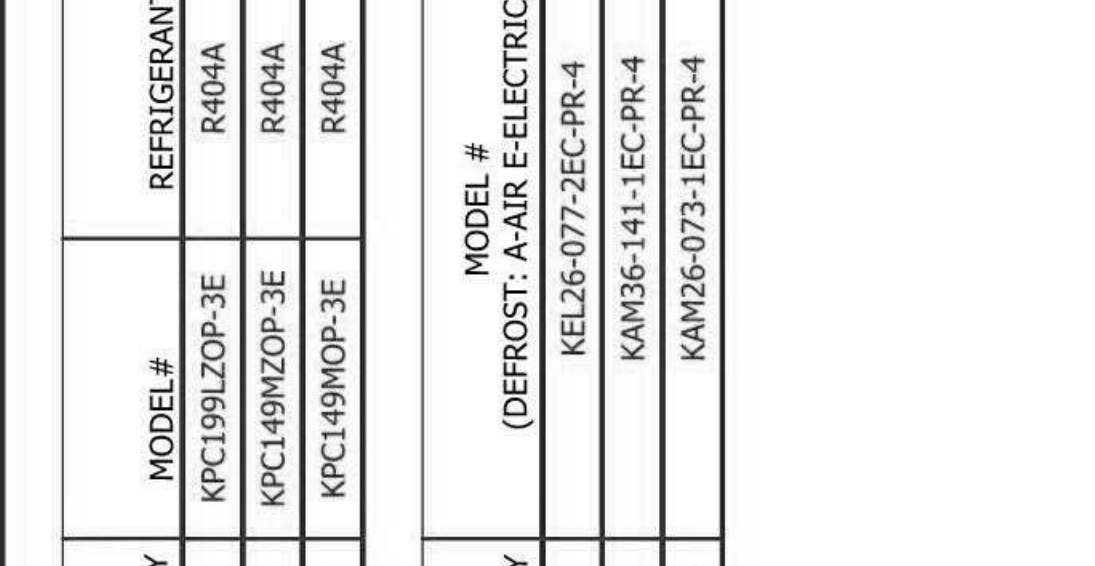
COMPARTMENT	TEMP F	WT	DESCRIPTION	QTY	MODEL #	REFRIGERANT	COMPRESSOR TYPE	DIMENSIONS				TOTAL AMPS	HEATER	CONNECTIONS O.D.	RVC CAP @ 90% FULL (lbs)							
								L (A)	W (B)	H (C)	D (D)											
F01 FREEZER	-10	1	KPC199LZ0P-3E	1	R404A	R404A	SCROLL	33	25.5	19.25	186	2	9.3	55	208-230	1	10.8	20	7/8	3/8	10.4	
								34	25.5	19.25	163	1	1/2	9.7	56	208-230	1	11.1	20	7/8	3/8	10.4
								34	25.5	19.25	163	1	1/2	6.4	52	208-230	1	7.7	15	7/8	3/8	10.4
														DIMENSIONS				CONNECTIONS O.D.				
		L (D)		W (E)		H (F)						TOTAL AMPS		HEATER		SUCTION		LIQ		DRAIN		
		43.625		15.5		16.75		208-230				9.8		208-230		1		7/8		3/8		
		60.125		15.5		16.75		208-230				0		N/A		0		5/8		3/4		
		43.625		15.5		16.75		208-230				0		N/A		0		5/8		3/4		



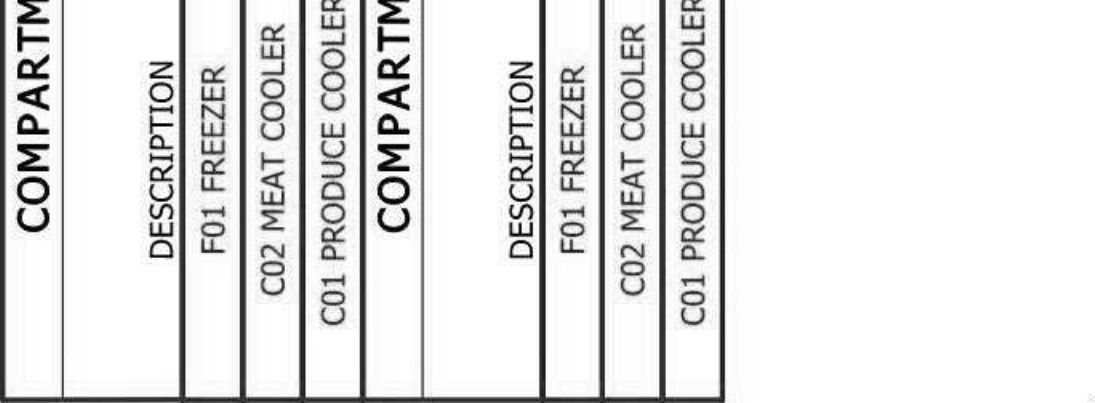
7 DETAIL - RACKING CLIP
Scale: NTS



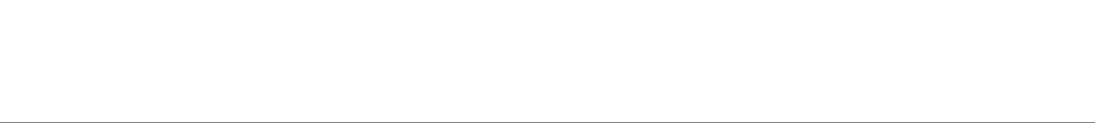
9 DETAIL - SUPER CEILING
Scale: NTS



4 DETAIL - FOOT-ROLLING CART FLOOR
Scale: NTS



5 DETAIL - TAPCON ANCHOR WITH FLOOR
Scale: NTS



6 DETAIL - PANEL CONNECTION AT FLOORS OR METAL SCREENS
Scale: NTS

3 DETAIL - 4IN FLOOR
Scale: NTS

2 DETAIL - 4IN PRT FLOOR
Scale: NTS

1 DETAIL - 4IN PRT FLOOR-HEAT WIRE
Scale: NTS

REVISIONS	NO.	DESCRIPTION
DATE		

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS

VENDOR/CUSTOMER
FABRICATION - WALK-IN

SHEET NUMBER
QF717

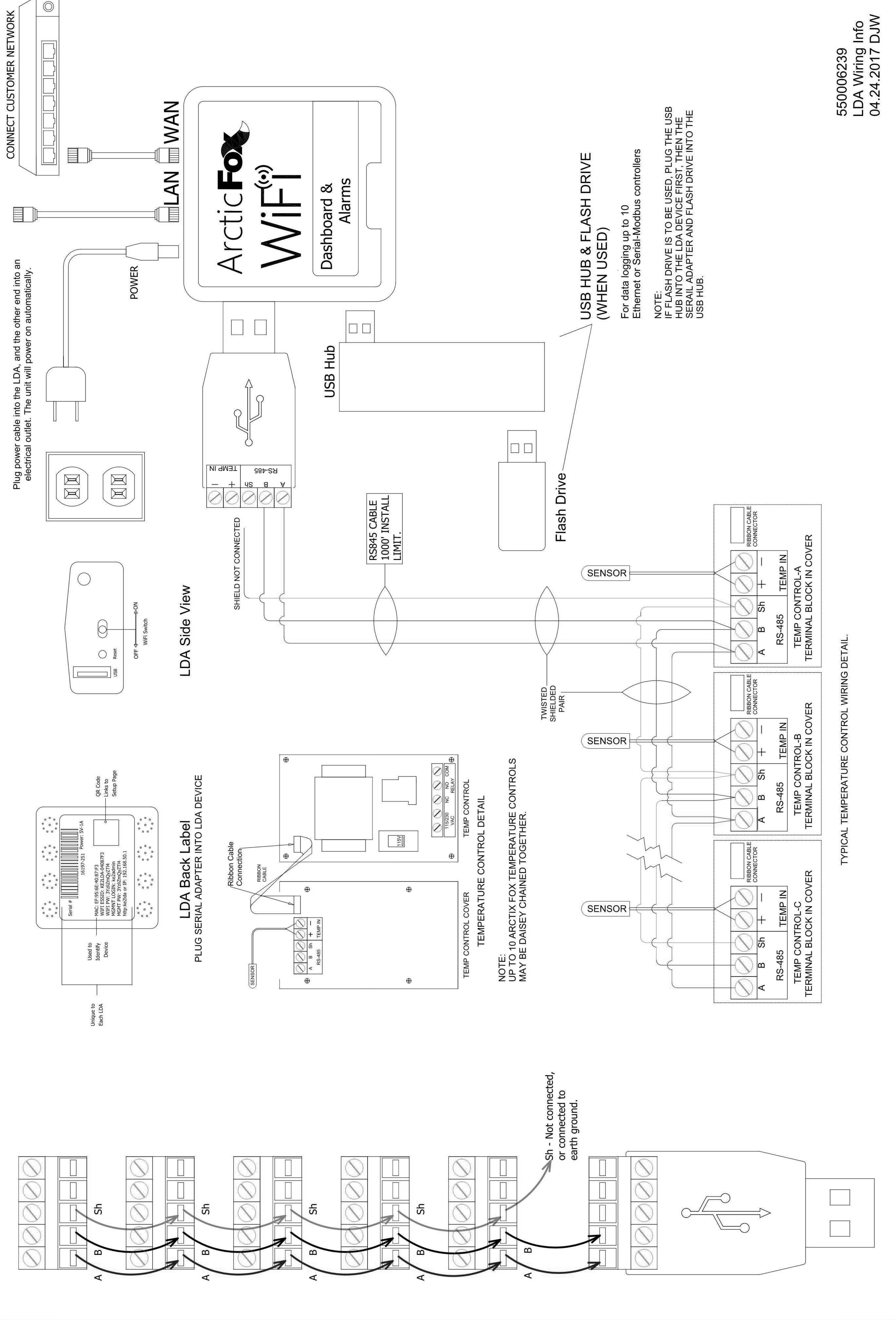
DRAWING #: A191291R1
UNIT #: 001
ORDER #: N/A



COOPER'S HAWK - 3 COMPT OUTDR
ST PETERS, MO 63303 USA

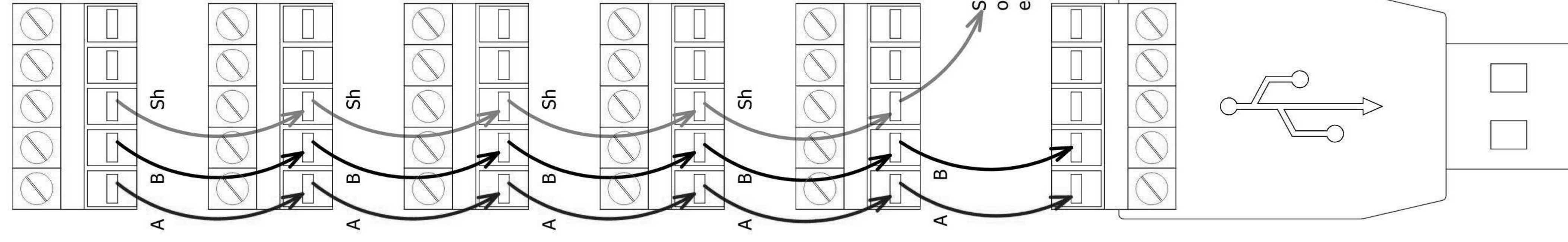
TRIMARK SS KEMP & CO

DATE	QUOTE REVISION	DATE



550006239
LDA Wiring Info
04.24.2017 DJW

TYPICAL TEMPERATURE CONTROL WIRING DETAIL.



WALK - IN SPECIFICATIONS



BEER COOLER
(OUTDOOR)

PANELS
FOAMED IN PLACE URETHANE FOAM 4"

EXTERIOR FINISH
WALL: GALVANIZED - PAINT GRIP Z2GA, EXCEPT AS NOTED
FLOOR: GALVALUME - EMBOSSED 26 GA
WITH SUPPORT CHANNEL

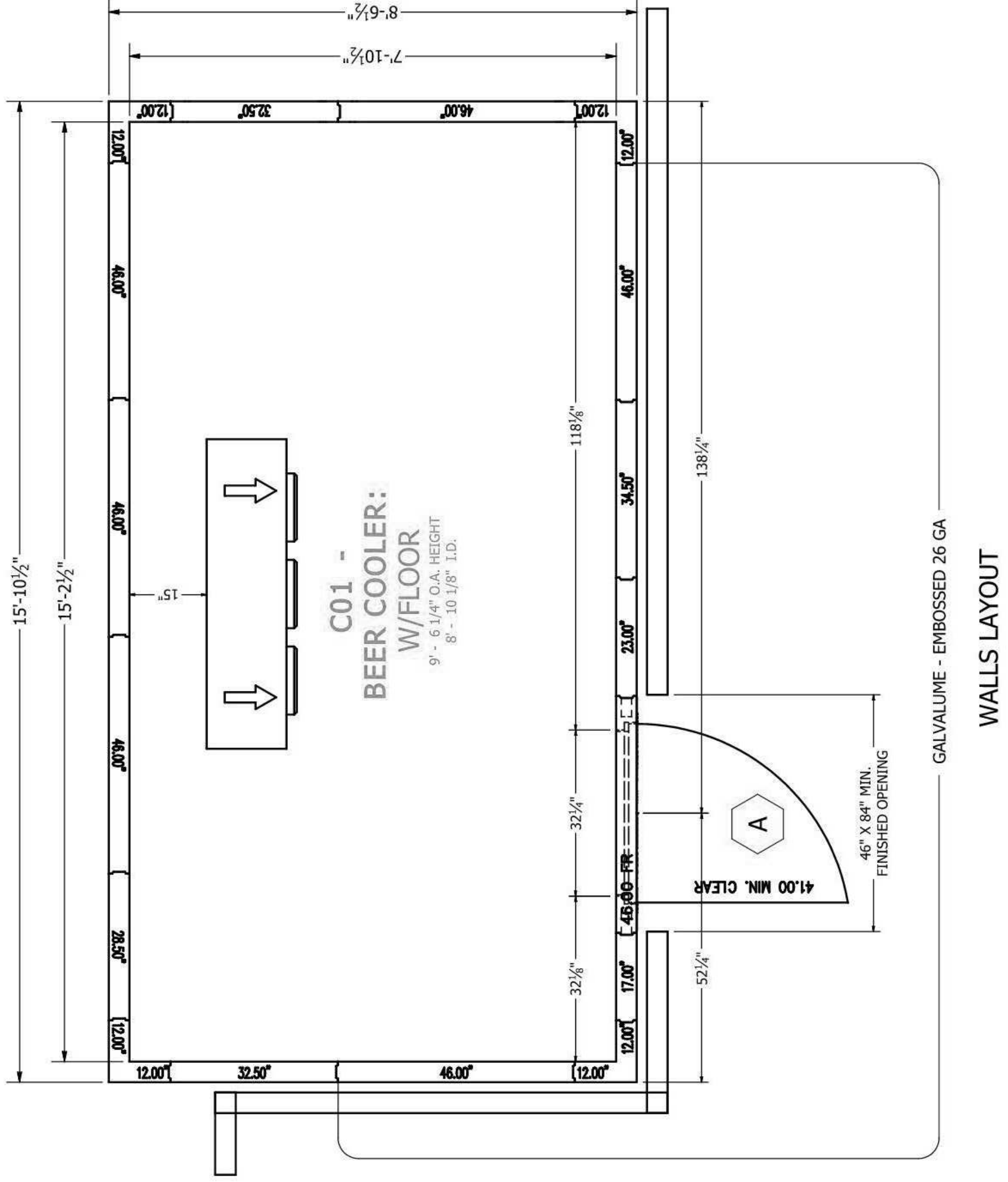
INTERIOR FINISH
WALL: GALVALUME - EMBOSSED 26 GA
TOP: GALVALUME - EMBOSSED 26 GA

FLOOR TYPE
STRUCTURAL 5000# EBA
ALUMINUM - SMOOTH ALUMINUM 1.00
WITH FLOOR OVERLAY - FULL COMPARTMENT,
3/16" ALUMINUM - DIAMOND TREAD

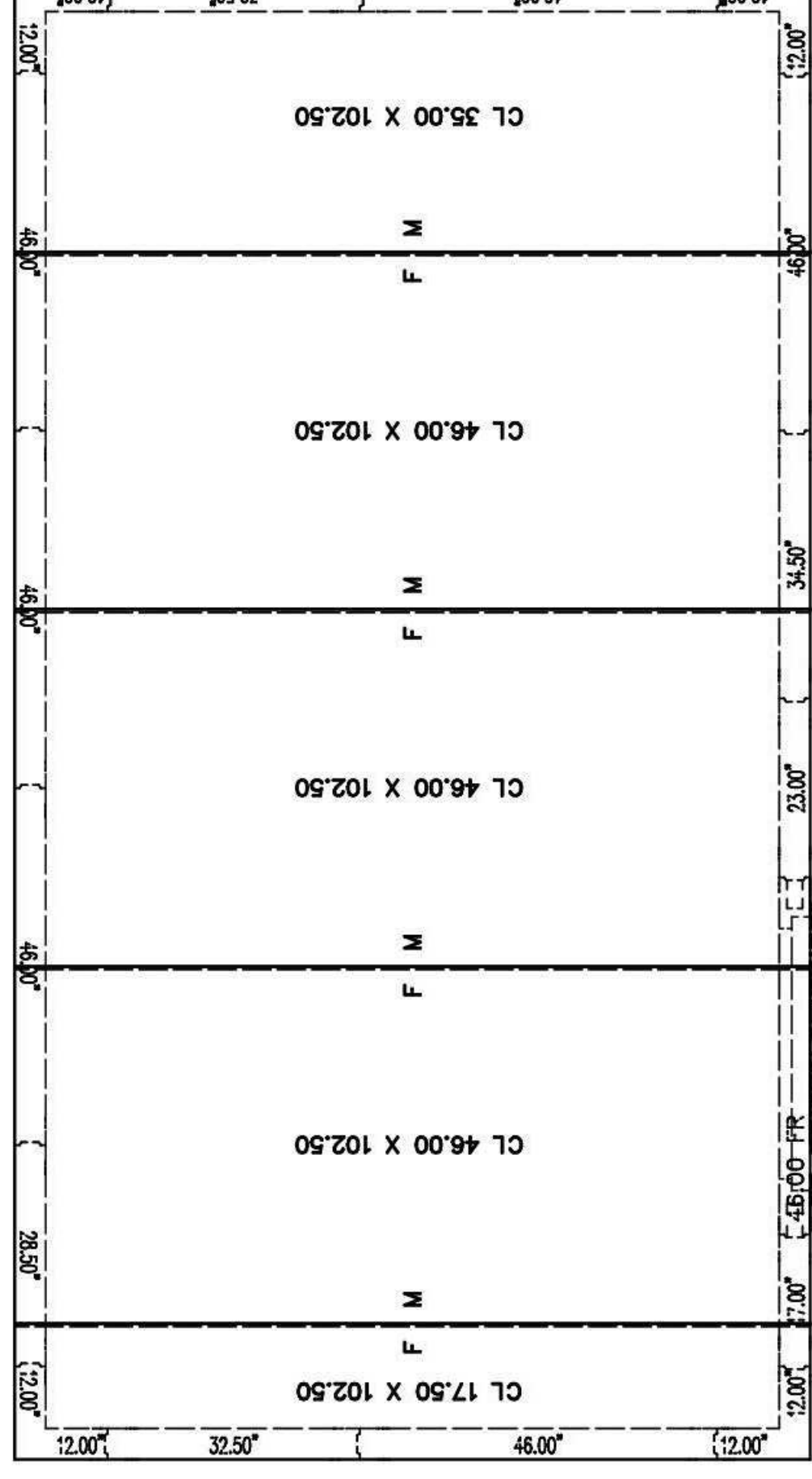
WALK-IN ACCESSORIES
(46) L/F COVE BASE, GALVALUME EMBOSSED 26 GA, 1.25 X 4.25
(2) LIGHT FIXTURE - KASON 1810CL LED 48IN
(1) LOT, BACKING SUBSTRATE 1/2" (APPROX)
(BOTH INTERIOR/LONG WALLS 48" AFF TO CEILING)
(1) LOT, TAPCON FASTENERS
(1) LOT, ROOF CAP - SLOPED MEMBRANE FLASHED (SLOPE 1/4" PER FOOT)
(3) THE DOWN ANGLE - 1/4" X 3/4" X 96" (W-IN CL TO BUILDING)
(3) TRIM ANGLED 3" X 3/4" X 8FT GALVANIZED PAINT GRIP Z2GA

REFRIGERATION

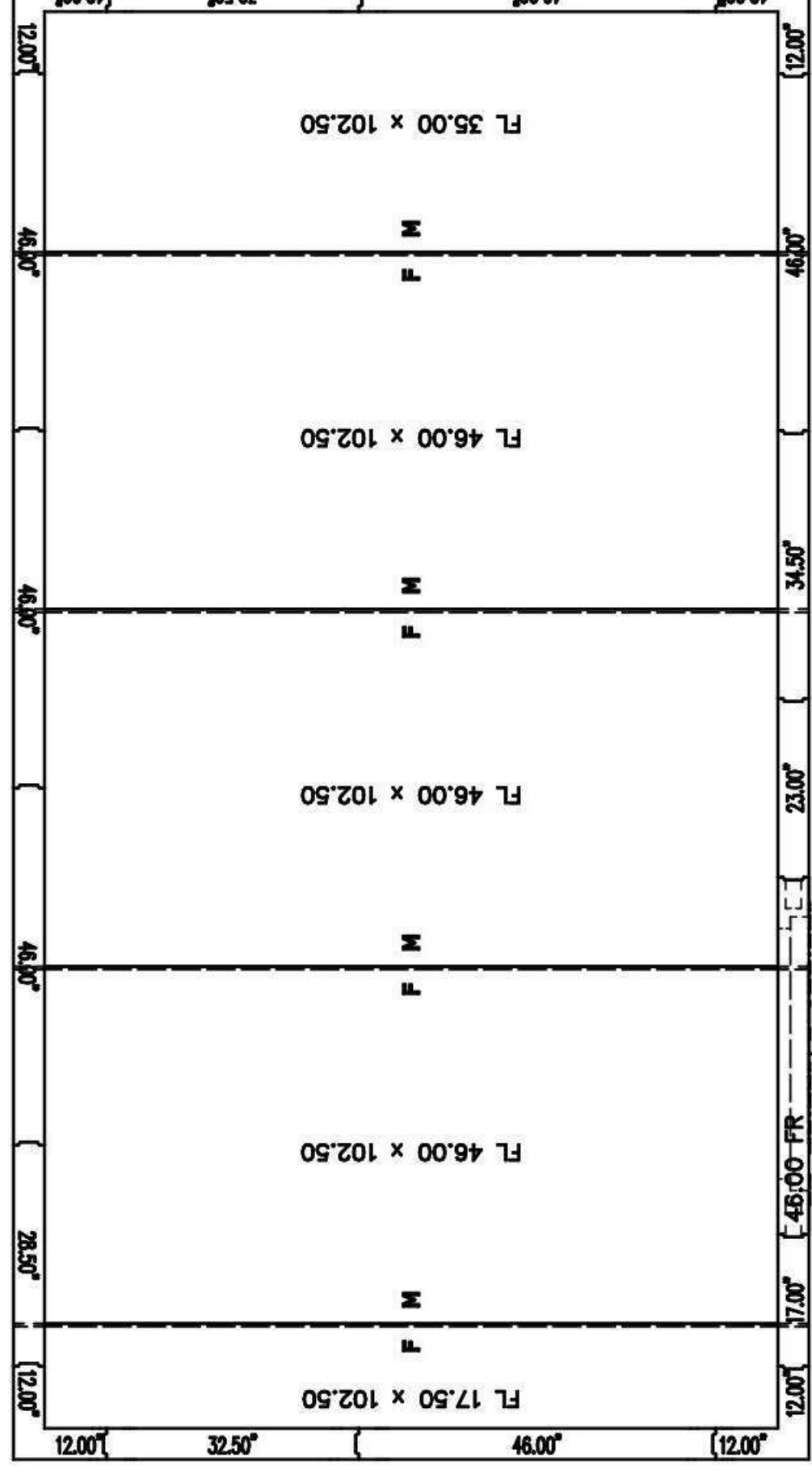
KFC14R20P-3E, R404A, VOLTS: 208-230-60-3,RTU:14050
KANS6-141-EC-PR-4 VOLTS: 115-60-1,BTU:14645
TEMP: WALK-IN 34,AMBIENT TEMP: 100



WALLS LAYOUT



CEILING LAYOUT



FLOORS LAYOUT

ATTENTION

1. SUBMITTAL DRAWING NOT INTENDED FOR INSTALLATION
AS-BUILT DRAWING FOR INSTALLATION WILL BE AVAILABLE AFTER ORDER IS PLACED. HARD COPY OF AS-BUILT DRAWING WILL BE IN-HARDWARE BOX WITH WALK-IN SHIPMENT TO JURISTE. ALL AS-BUILT DRAWINGS SHOW PART NUMBERS AND ID LABELS ON PLAN VIEWS.
2. ALL WALK-INS ARE DESIGNED FOR INDOOR APPLICATION UNLESS NOTED OTHERWISE.
3. PENETRATIONS AND CEILING OF AIR, THE RESPONSIBILITY OF THE USER.
4. 75% AMBIENT AND 50% RELATIVE HUMIDITY OR LESS AROUND THE EXTERIOR OF THE WALK-IN.
5. QUARRY TILE OR CONCRETE FLOOR APPLICATIONS: METAL PANEL FINISHING MAY BE SUSCEPTIBLE TO STAINING DUE TO EXCESSIVE MOISTURE.
6. SPECIAL PRECAUTIONS MUST ALSO BE TAKEN WHEN USING PRECAST AGG TO EFFECT PROPOXIDIC TIES HAVE ON METAL MATERIALS.
7. PANEL LAYOUT MAY CHANGE BASED ON OPTIMAL MANUFACTURING STANDARDS.
8. IF CONDENSING UNIT IS LOCATED IN THE INTERIOR OF BUILDING A MINIMUM OF 24" OF CLEARANCE IS REQUIRED AROUND TOP AND SIDES.
9. DESIGN OF PREPARATION OF THE INSULATED FLOOR, SUB-SLAB OR CURB, WITHOUT HAVING THE DESIGN REVIEWED BY A QUALIFIED ARCHITECT.
10. THE WALK-IN PACKAGED IN THIS PRODUCT COMPLIES TO THE BACK SECTION 400 AS ALLOWED BY THE DESIGNER OR ARCHITECT.
11. DEVELOPED RATING: 400; FLASH POINT ON TEMPERATURE RATING: 555°F; SPONTANEOUS IGNITION TEMPERATURE RATING: 500°F; AND
12. R-44 FOR 6" THICK PANELS, FREEZER WALLS ARE R-32 FOR 4" THICK, R-48 FOR 5" THICK, R-48 FOR 6" THICK PANELS, AND R-28 FOR 4" FLOORS.
13. LOADS NOT DESIGNED FOR WET, POLAR, TACKET, JACK, OR COMBUSTIBLE LOADS.

FOR APPROVAL
YOU MUST REVIEW ALL NOTES, DETAILS, DIMENSIONS, FINISHES, DOORS, SIZES, LOCATIONS AND SHIFTS.
 APPROVAL - NO CHANGE REQUIRED, MANUFACTURE AS DRAWN.
 APPROVED AS NOTED - MAKE REQUIRED CHANGES AND MANUFACTURE AS DRAWN.
 NOT APPROVED - DESIGN CHANGES REQUIRE DRAWING REVISION AND RESUBMISSION.
DATE: _____ BY: _____

SMOOTH FINISH DISCLAIMER

Panels with non-textured and/or no-profile panel finishes (smooth finishes) on the exterior and interior faces may exhibit "oil canning" and flatness imperfections on the surface. Our standard panels have a stucco embossed texture on both faces that helps to reduce oil canning and any other irregularities in the exposed surface. Please be aware of this potential situation in your specification process. Such "oil canning" and flatness issues are typical and are not covered under standard warranties.

NOTICE:

Kolpak and Harford walk-ins are compliant with UL standards. Door panels are UL471, UL file listing E461.40.
• Standard Evaporator coils are UL412.
• Condensing Units are UL1995.

DRAWING #: A191294R1
UNIT #: 001
ORDER #: N/A



TRIMARK SS KEMP & CO
COOPER'S HAWK - BEER CLR OUTDR
N/A
ST PETERS, MO 63303 USA

SHEET #	AD-1 of 3
DATE:	
CHECK BY:	
DATE:	
QUOTE REVISION:	
DATE:	

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DRAWN:	ABW
APPROVED:	AHS

SHEET:

VENDOR/CUSTOMER
FABRICATION - WALK-IN

SHEET NUMBER:

QF718

REVISIONS

DATE	NO.	DESCRIPTION

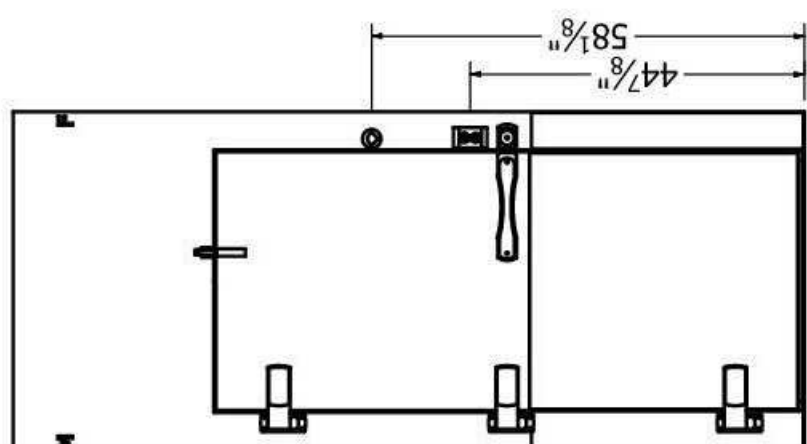
REVISIONS	NO.	DESCRIPTION
DATE		

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT	458903
DATE	08/13/2021
SCALE	
DRAWN	ABW
APPROVED	AHS
SHEET	

VENDOR/CUSTOMER
FABRICATION - WALK-IN

SHEET NUMBER
QF719

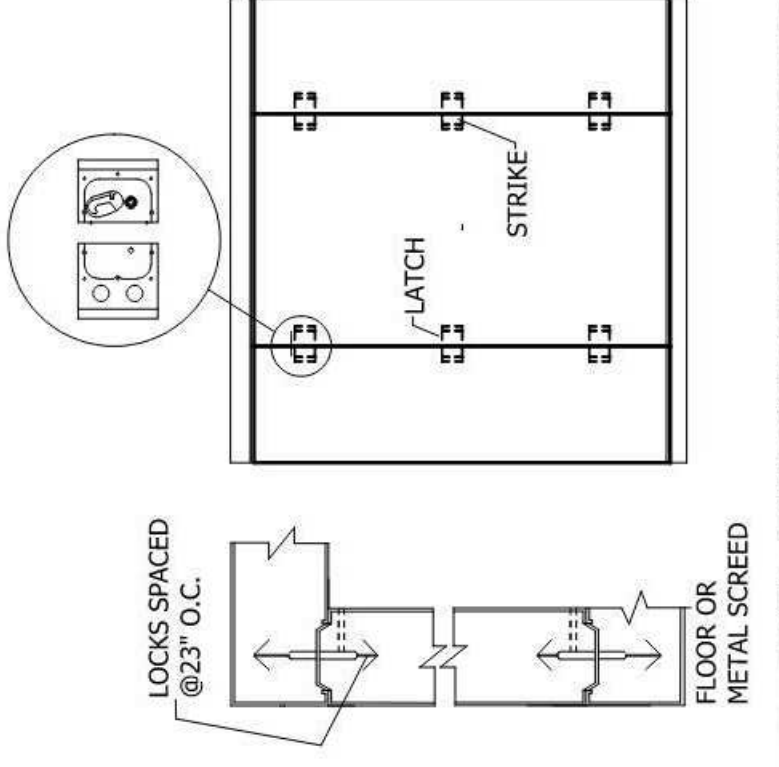


- FRAME:
RECESSED 4" WITH 0" LEVELING SAND AND 0.125" TILE AND GROUT
EXT: GALVANIZED - BLACK EMBOSSED Z6GA
INT: GALVALUME - EMBOSSED TREAD 36" HIGH
INT: KICKPLATE, ALUM. .063 DIAMOND TREAD 36" HIGH
- PLATE:
EXT: GALVANIZED - BLACK EMBOSSED Z6GA
INT: KICKPLATE, ALUM. .063 DIAMOND TREAD 36" HIGH
INT: KICKPLATE, ALUM. .063 DIAMOND TREAD 36" HIGH
- HARDWARE AND ACCESSORIES:
(1) 115/60U ELECTRICAL
(1) DOOR CLOSER - KASON 1094 BRUSHED CHROME
(1) HINGE - KASON 1346 BRUSHED CHROME
(1) HINGE - KASON 1346 BRUSHED CHROME
(1) SWITCH - PILOT LIGHT INCLUDED UL (STD)
(1) THERMOMETER - 2 INCH DIAL W/6 LEAD (STD)
(1) TILE AND GROUT ADDER

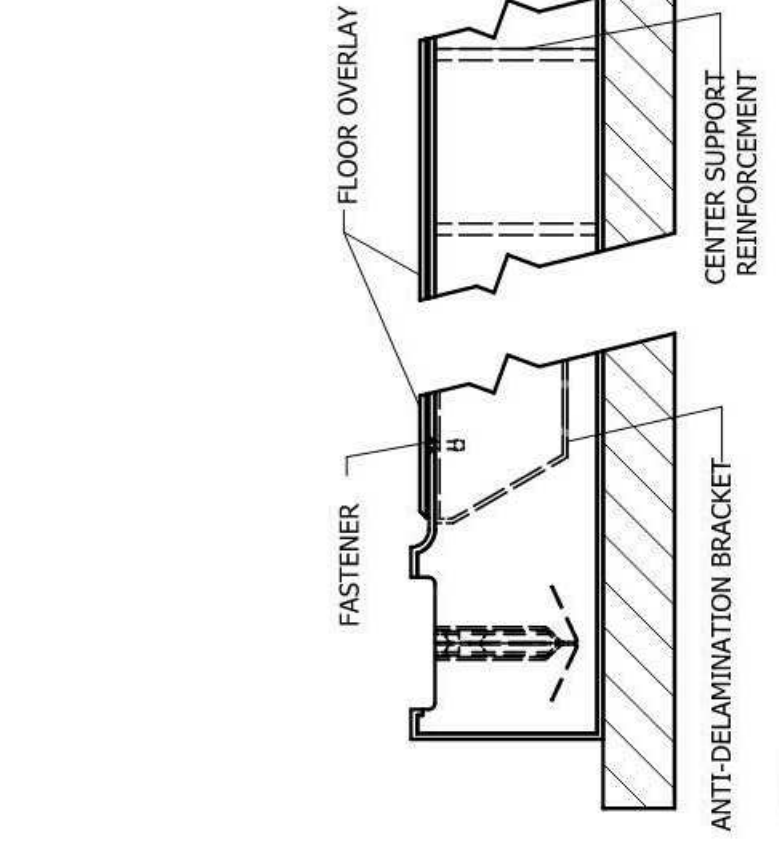
OFFSET 0.25
DR 32.00" x 76.00"
FR 46.00" x 108.25"

DW-1

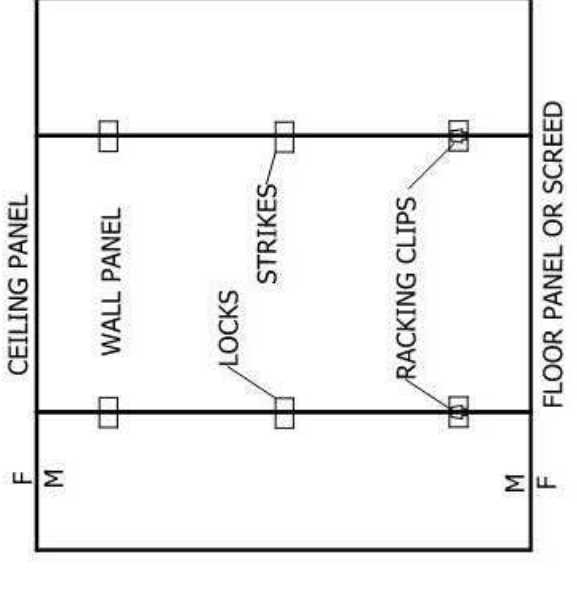
DESCRIPTION	QTY	VOLT	AMP	AMP LOAD
HEATER WIRE	1	115	0.2	0.2
115 VOLT SINGLE PHASE, 60 Hz, TOTAL DOOR AMPS:				0.2



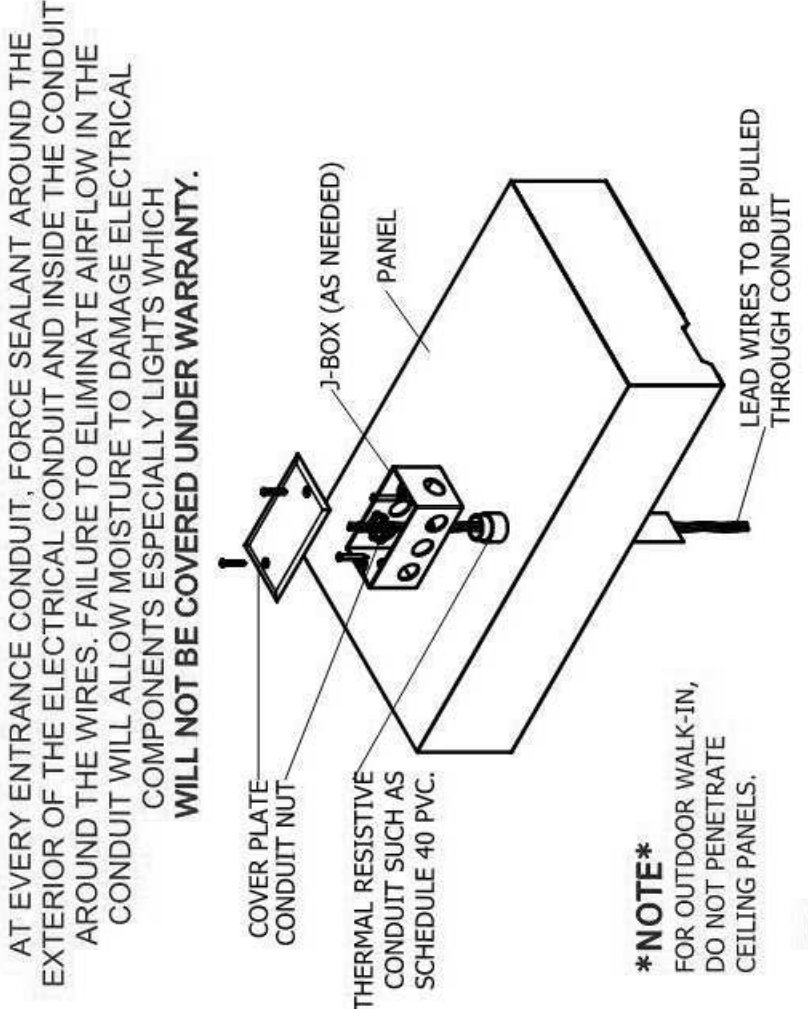
1 DETAIL - 4IN FLOOR - 4IN RECESS-TAG-HTR WIRE
Scale: NTS



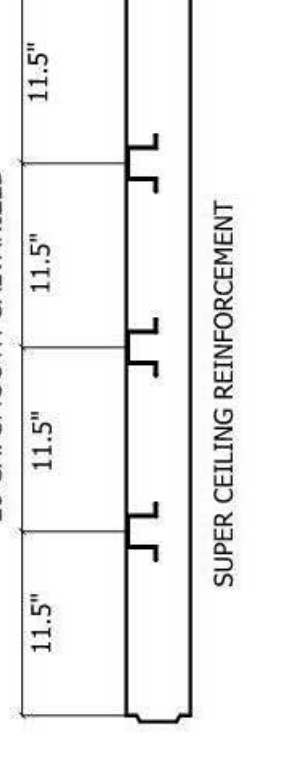
2 DETAIL - PANEL CONNECTION AT FLOORS OR METAL
Scale: NTS



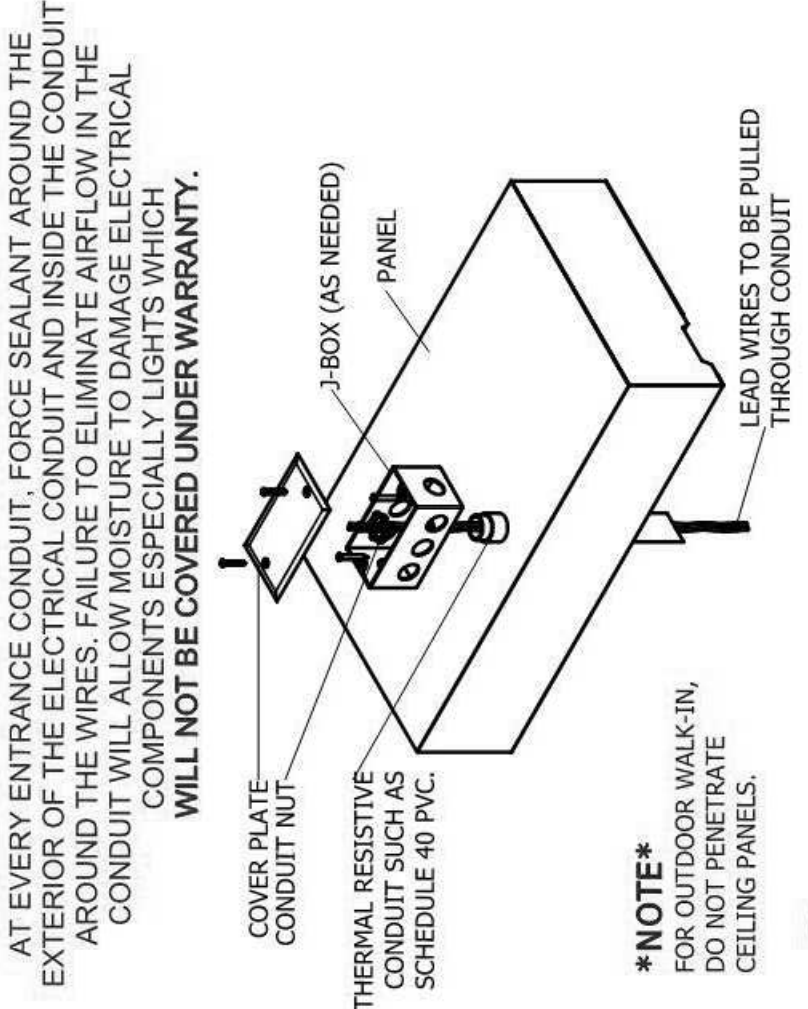
3 DETAIL - STRUCTURAL FLOOR CONSTRUCTION
Scale: NTS



4 DETAIL - RACKING CLIP
Scale: NTS



5 DETAIL - SUPER CEILING
Scale: NTS



6 DETAIL - ELECTRICAL CONDUIT PENETRATION
Scale: NTS

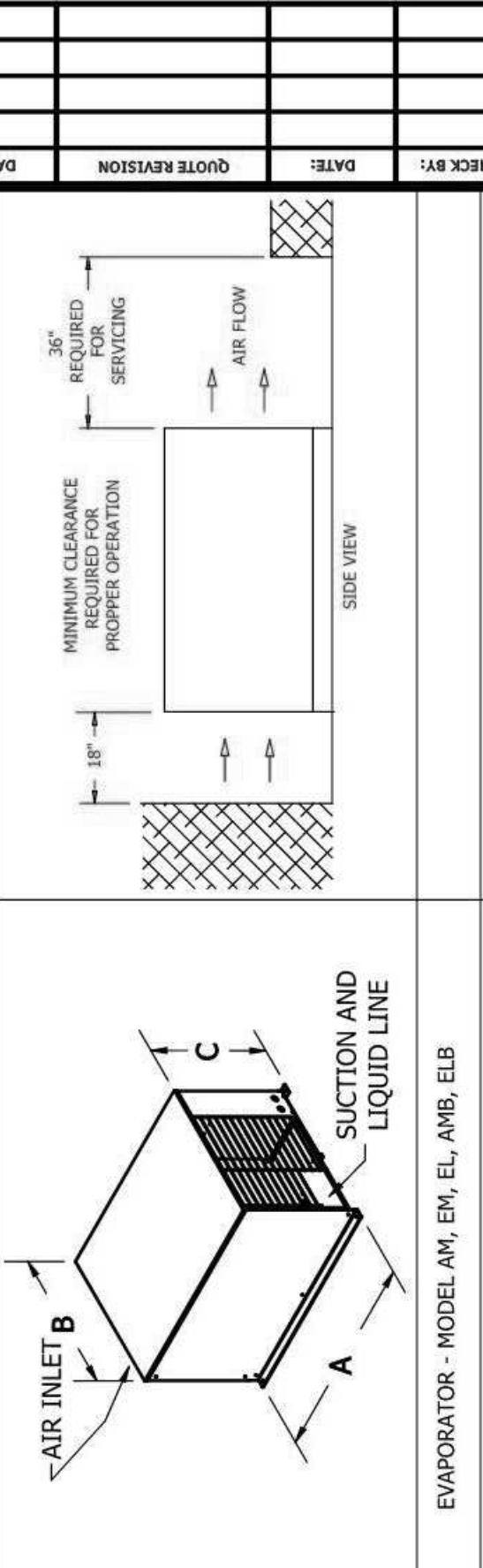
AT EVERY ENTRANCE CONDUIT FORCE SEALANT AROUND THE EXTERIOR OF THE ELECTRICAL CONDUIT AND INSIDE THE CONDUIT AROUND THE WIRES. FAILURE TO ELIMINATE AIRFLOW IN THE CONDUIT WILL ALLOW MOISTURE TO DAMAGE ELECTRICAL EQUIPMENT. THIS WORK WILL NOT BE COVERED UNDER WARRANTY.

NOTE
DO NOT PROGRAM WALK-IN DOOR TO PROGRAM CEILING PANELS.

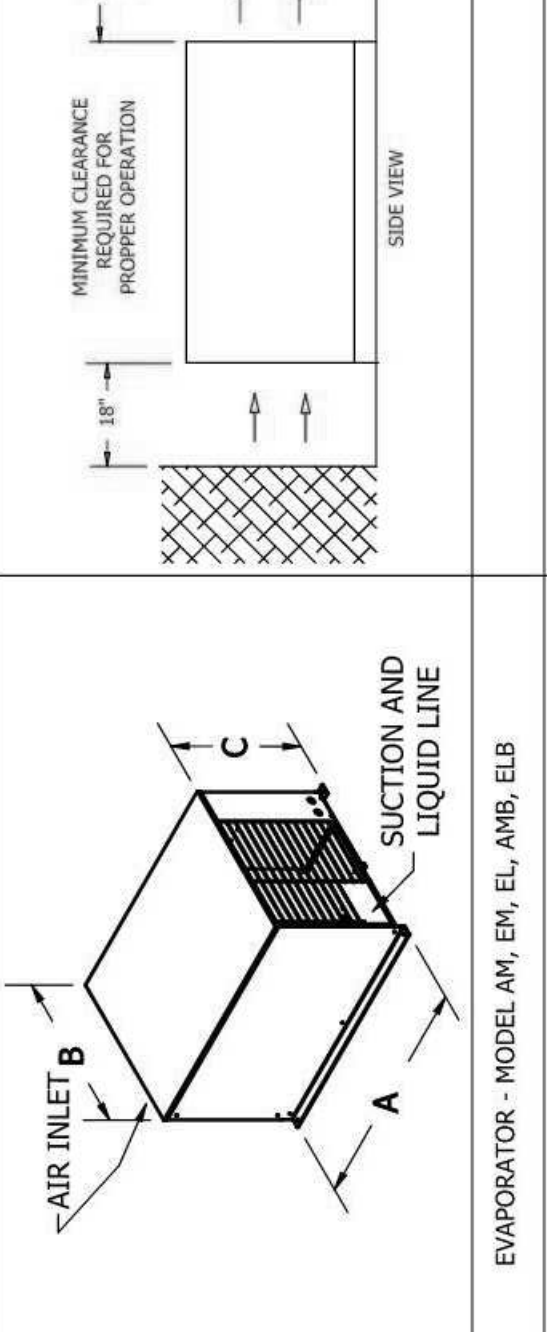
CONDENSING UNIT

COMPARTMENT	TEMP F	WT	COMPRESSOR		CONDENSER FAN MTR		TOTAL AMPS	V	Φ	MX AMP DISC	CONNECTIONS O.D.		RCV CAP @ 90% FULL (lbs)							
			L (A)	W (B)	H (C)	HP					HLA	URB		FLA	SUCT	LIQ				
COI BEER COOLER	34	1	33	25.5	19.25	163	1.1/2	9.7	56	208-230	60	3	1.2	208-230	1	11.1	20	7/8	3/8	10-4
UNIT COOLER			DIMENSIONS		FAN		HEATER		CONNECTIONS O.D.											
COI BEER COOLER	34	1	60.125	15.5	16.75	72	2.4	115	0	0	5/8	3/8	3/4							

CONDENSING UNIT ASSEMBLY



CLEARANCE REQUIREMENT



EVAPORATOR - MODEL AM, EM, EL, AMB, ELB



AD-2 of 3

DATE	NO.	DESCRIPTION

Cooper's Hawk Winery
Lee's Summit, MO

PROJECT:	458903
DATE:	08/13/2021
SCALE:	
DRAWN:	ABW
APPROVED:	AHS

VENDOR/CUSTOMER
FABRICATION - WALK-IN

SHEET NUMBER
QF720

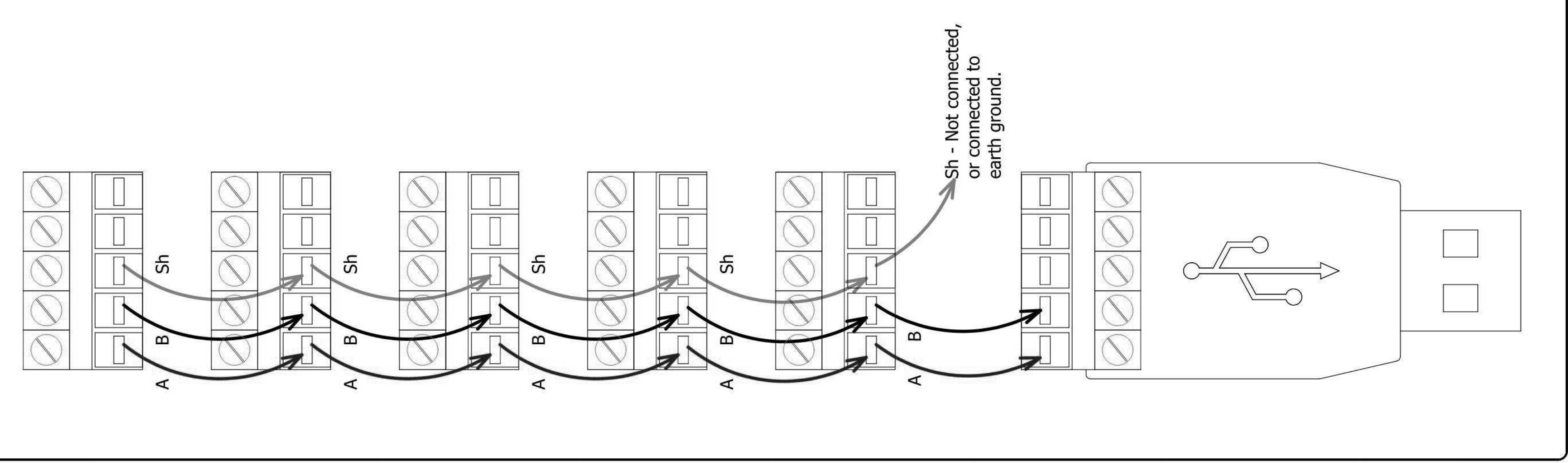
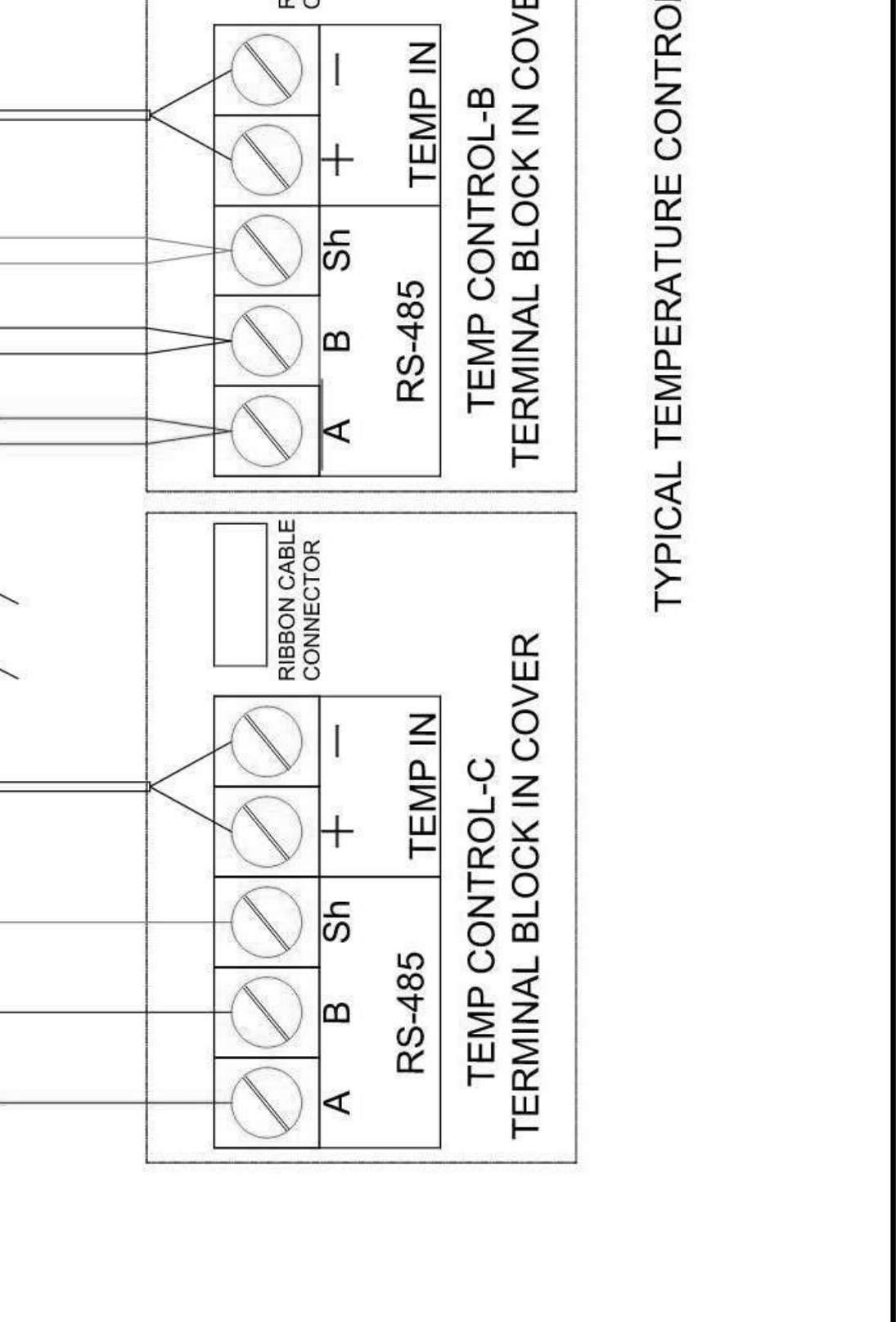
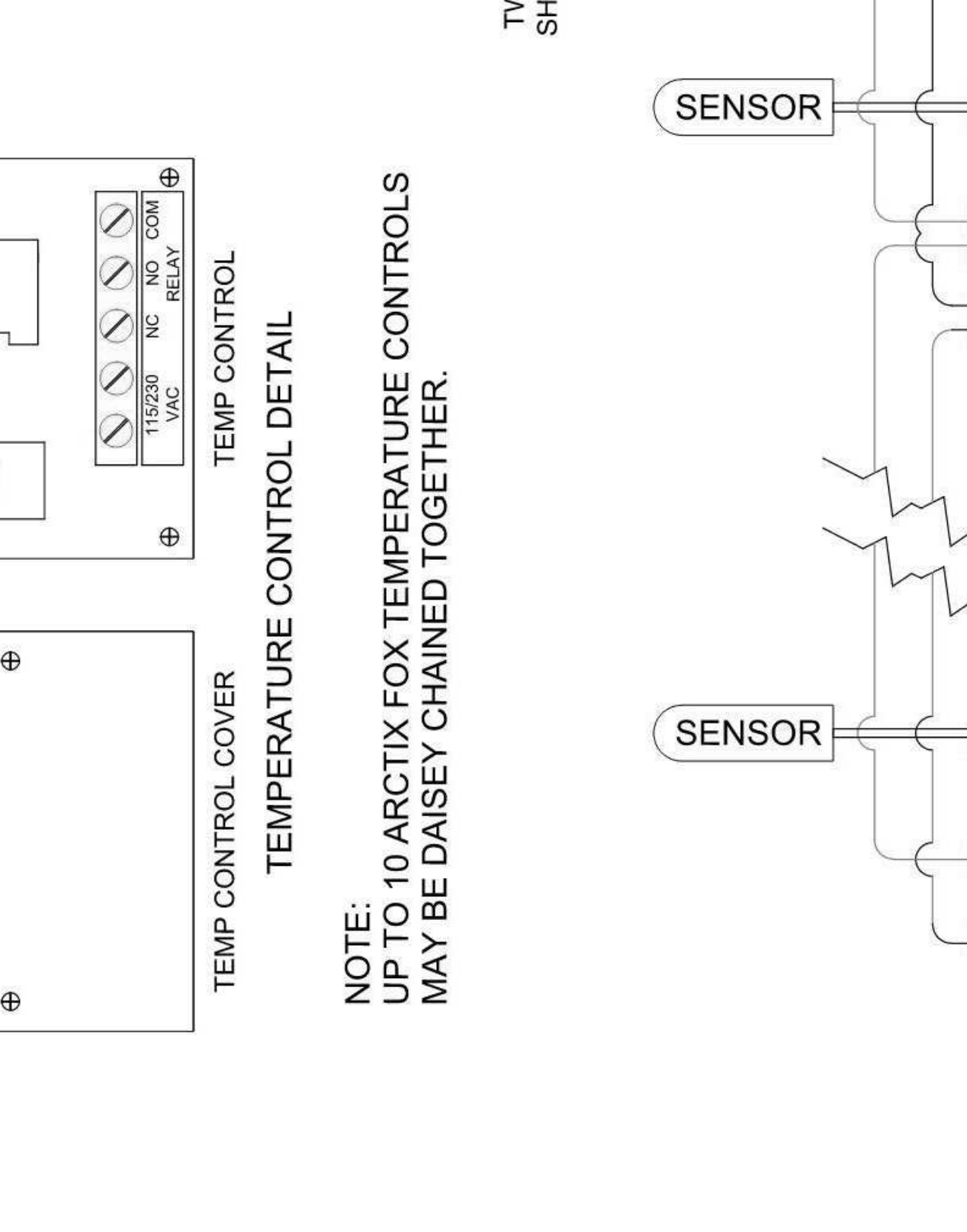
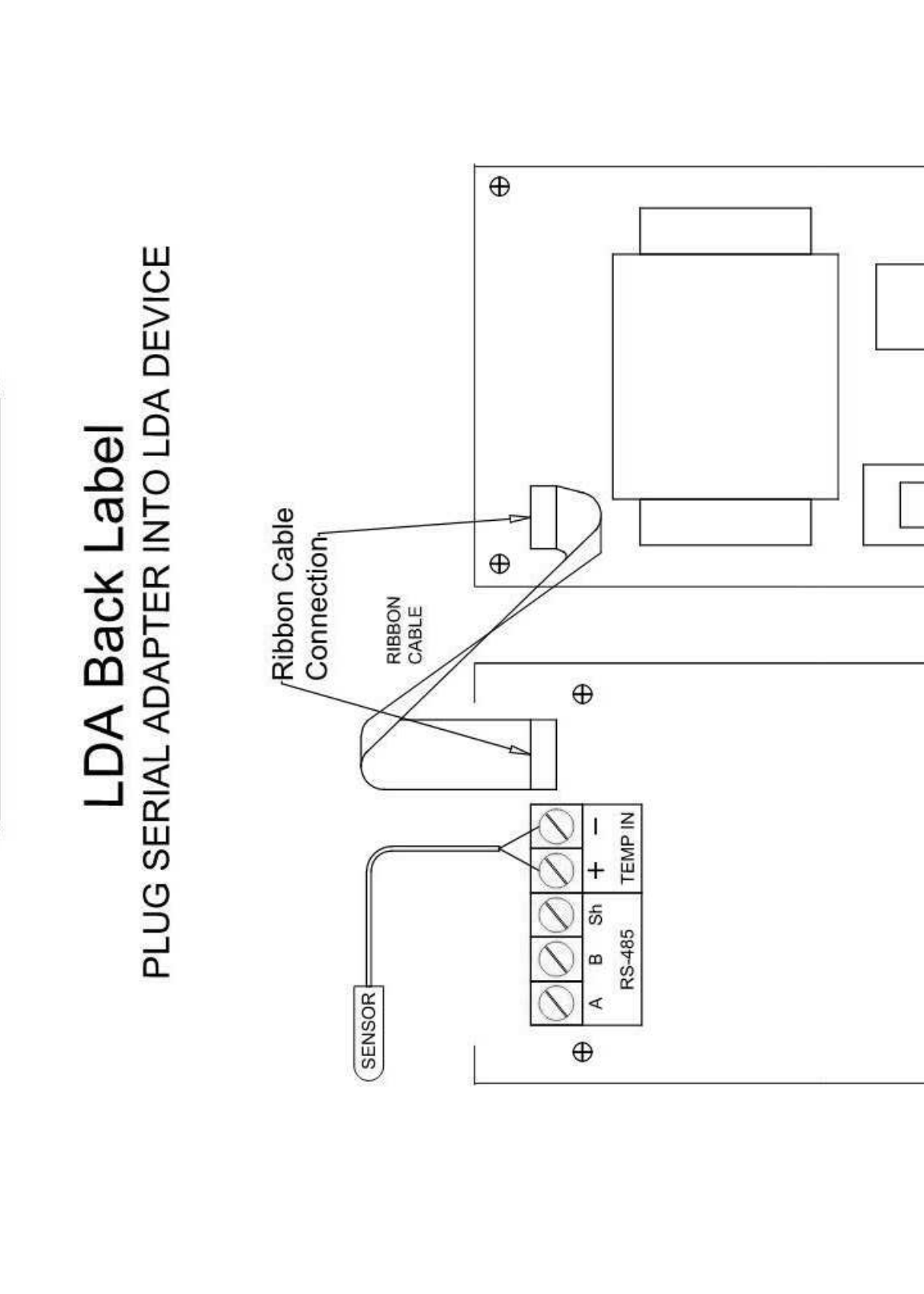
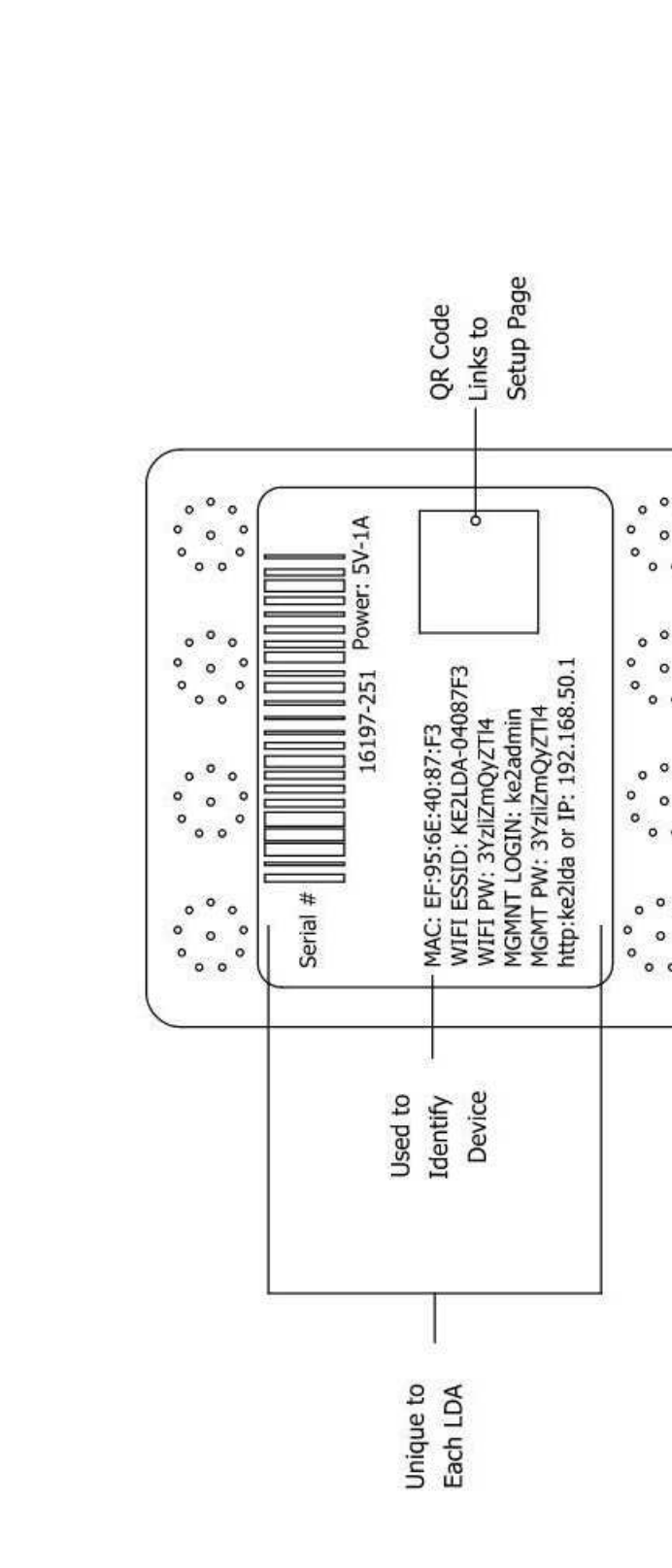
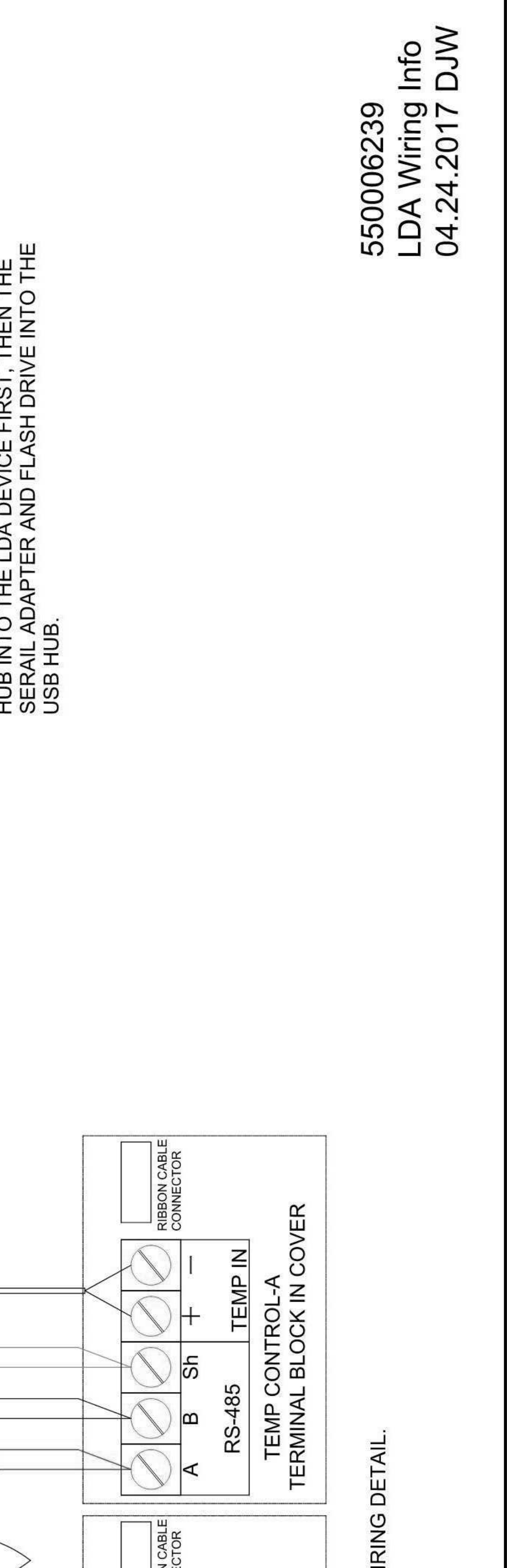
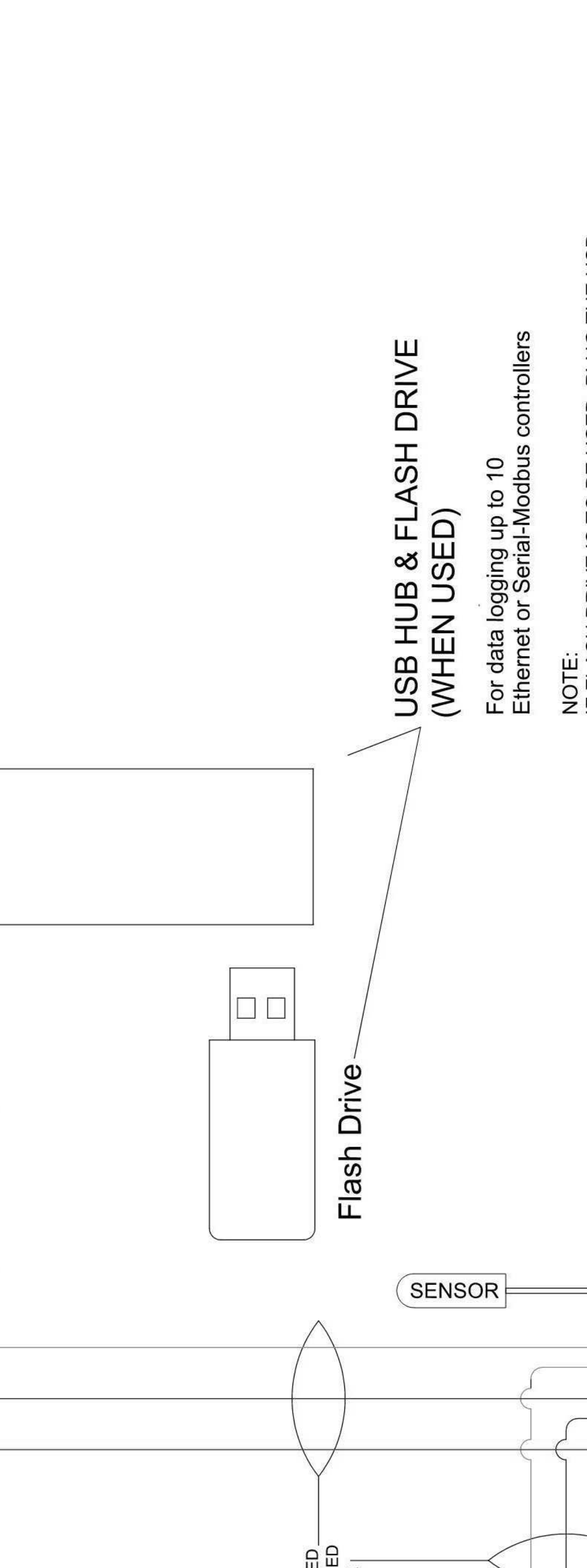
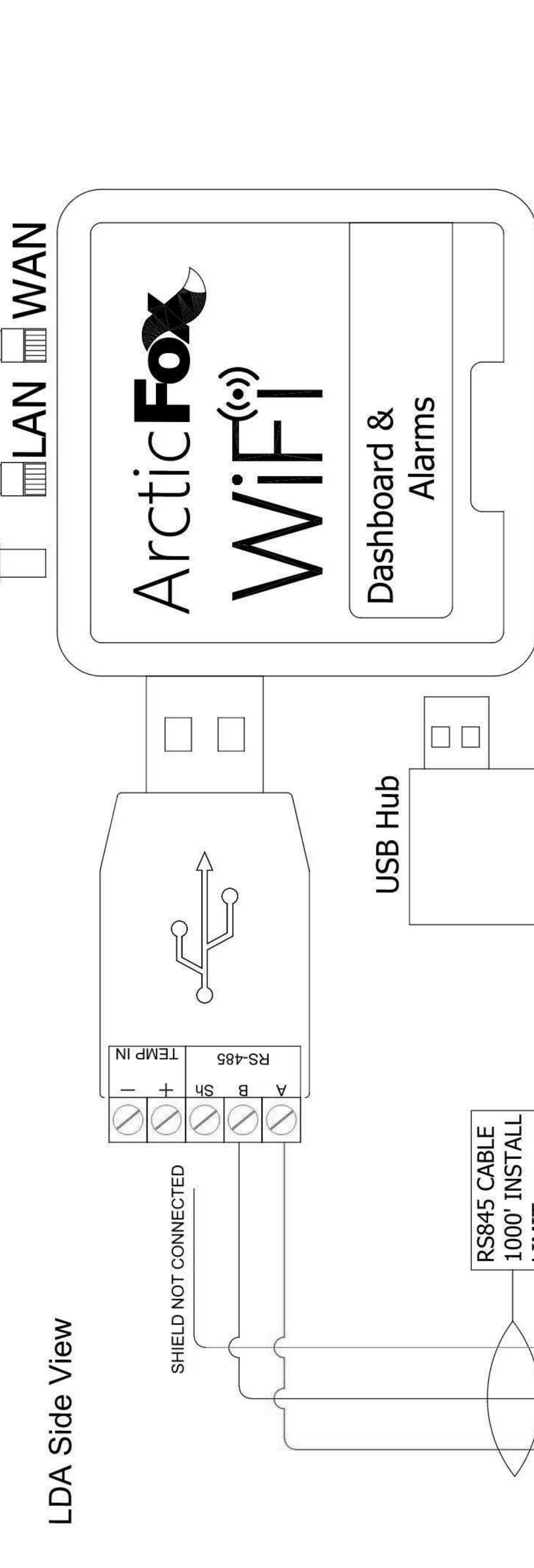
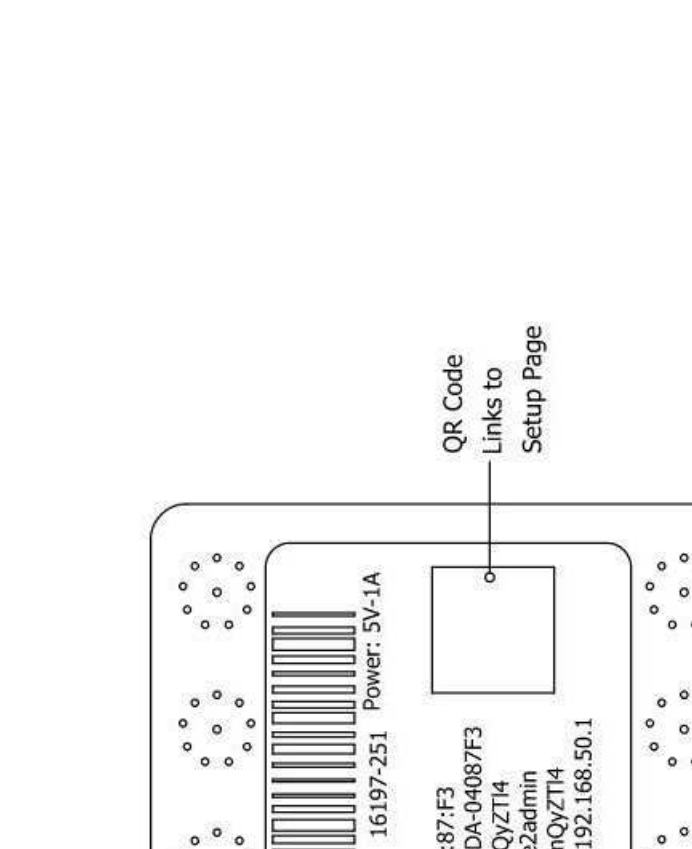
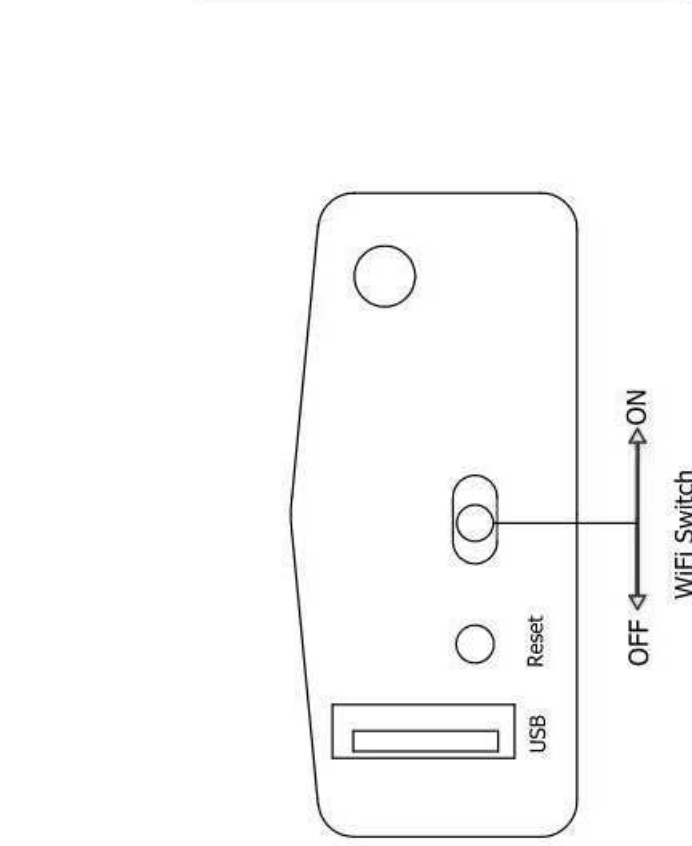
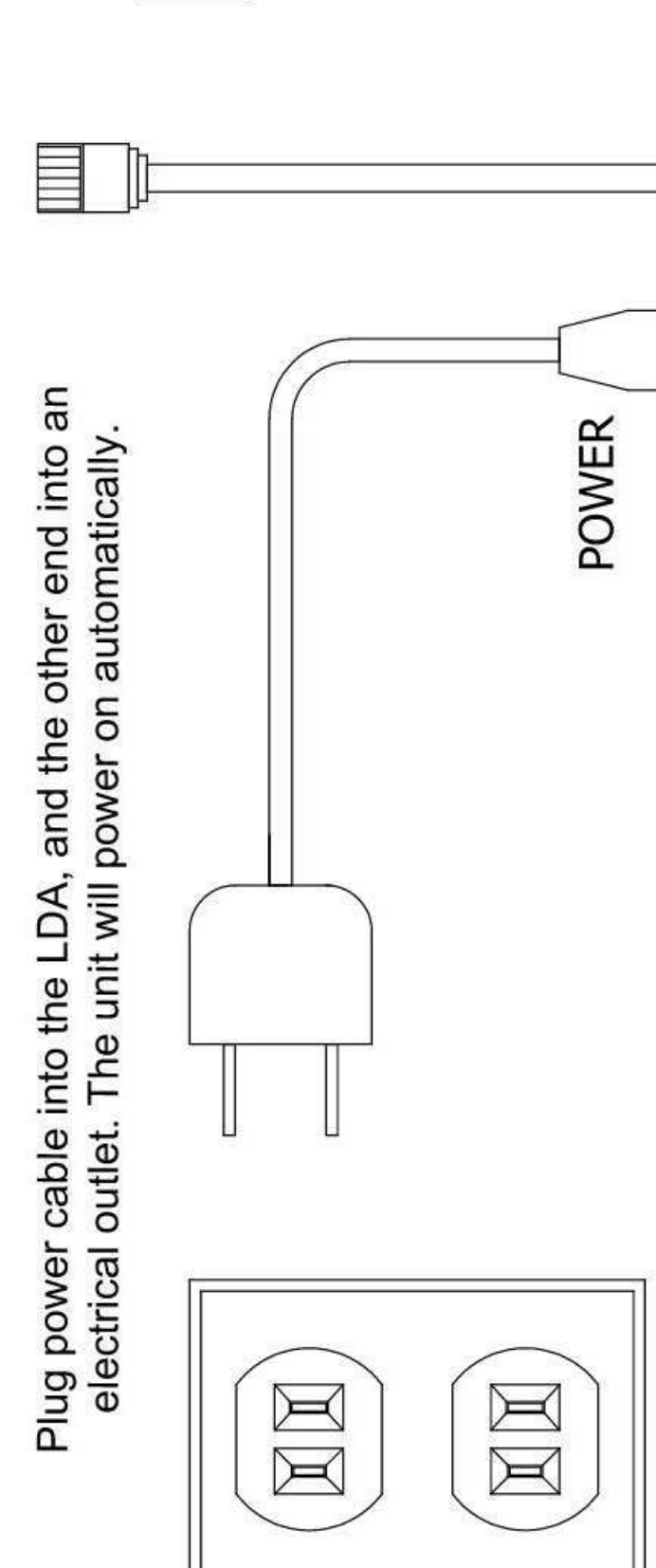
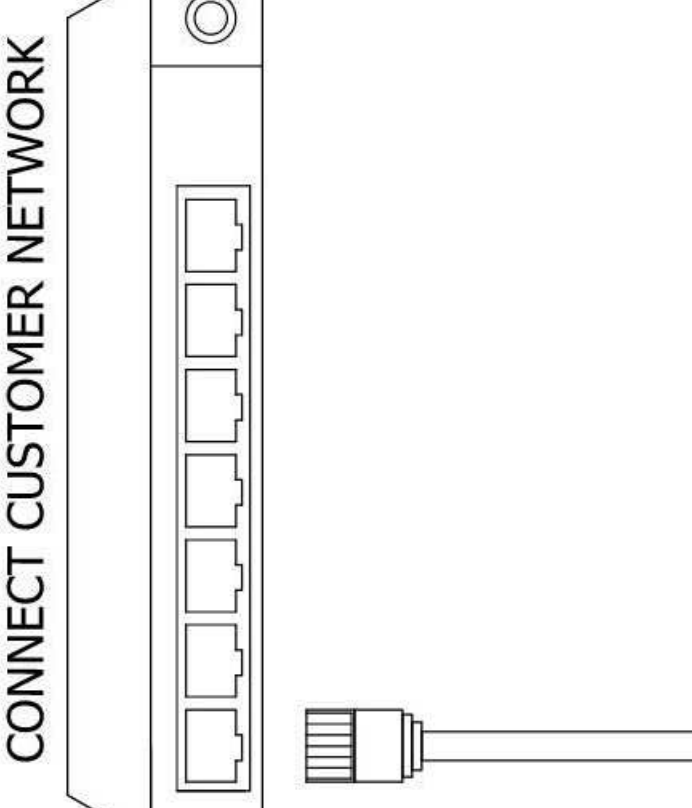
DRAWING #: A191294R1
UNIT #: 001
ORDER #: N/A



TRIMARK SS KEMP & CO
COOPER'S HAWK - BEER CLR OUTDR
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COOPER'S HAWK - BEER CLR OUTDR
N/A
ST PETERS, MO 63303 USA

DATE	CHECK BY	DATE	QUOTE REVISION	DATE



550006239
LDA Wiring Info
04.24.2017 DJW

TYPICAL TEMPERATURE CONTROL WIRING DETAIL.

NOTE:
UP TO 10 ARCTIX FOX TEMPERATURE CONTROLS
MAY BE DAISEY CHAINED TOGETHER.

Sh - Not connected,
or connected to
earth ground.