



ADMINISTRATIVE REQUIREMENTS

- A. The person with overall responsibility for construction or the person responsible for the installation of regulated features, materials, components, or manufactured devices shall post, or make available with the building permit(s) issued for the building, the required Installation Certificate(s) for features, materials, components, or manufactured devices regulated by the Appliance Efficiency Regulations or Part 6. Such Installation Certificate(s) shall be made available to the enforcement agency for all appropriate inspections. These certificates shall:
1. Identify features, materials, components, or manufactured devices required to verify compliance with the Appliance Efficiency Regulations and Part 6.
 2. Include a statement indicating that the features, materials, components, or manufactured device conform to the Appliance Efficiency Regulations and Part 6 and the requirements for such features, materials, components, or manufactured devices given in the plans and specifications approved by the local enforcement agency.
 3. State the number of the building permit under which the construction or installation was performed.
- B. Within 90 days after issuance of certificate of occupancy record drawings shall be provided to the owner. If a building design feature, material, component or manufactured device is changed before final construction and installation, such that the building may no longer comply with Part 6, the building must be brought into compliance, and so indicated on amended plans and Certificate of Compliance(s) that shall be submitted for approval.
- C. The builder shall provide the building owner or the person(s) responsible for building maintenance (in case of multi-tenant or centrally operated buildings) at occupancy the following:
1. Operating information: The appropriate certificate(s) of compliance and a list of the features, materials, components, and mechanical devices installed in the building and instructions on how to operate them efficiently.
 2. Maintenance information: Required routine maintenance actions shall be clearly stated and incorporated on a readily accessible label. The label may be limited to identifying the operation and maintenance manual.
 3. Ventilation information: A description of the quantities of outdoor and recirculated air that the ventilation systems are designed to provide to each area.

MANDATORY MEASURES

- A. Manufactured fenestration and exterior doors shall meet all listed requirements in Sec 10-111-(a) under Section 110.6(a) of Part 6. Temporary labels for manufactured fenestration shall have a clearly visible temporary label and shall comply with labeling requirements of NFRC 700. No other values for U-factor, SHGC, VT and Air Leakage are allowed on the temporary label attached to the manufactured fenestration product or exterior door.
- B. Rated fenestration shall have a permanent label consistent with their rating and certification that is either a stand-alone label, an extension or tab of an existing permanent certification label being used by the manufacturer/responsible party, or a series of marks or etchings on the product.
- C. Joints, penetrations and other openings in the building envelope that are potential sources of air leakage shall be caulked, gasketed, weather stripped, or otherwise sealed to limit infiltration and exfiltration.
- D. All insulating material shall be installed in compliance with the flame-spread rating and smoke density requirements of the CBC.
- E. Solar Ready Buildings shall meet the requirements in sections 110.10(b) through 110.10(d).
- F. Any roofing product used as a cool roof shall be certified and labeled in accordance with the requirements of Sec. 10-113 by the Cool Roof Rating Council (CRRC) and meet conditions set in Sec. 110.8 (i).
- G. Non-centralized energy management systems shall have setback thermostats capable to program temperature setpoints for at least four periods within a 24-hr period.
- H. DDC systems to the Zone level shall be programmed to allow centralized demand shed for non-critical zones by having: (1) Controls capable to increase cooling temperatures by 4 degrees or more in non-critical zones within EMCS; (2) Controls capable to decrease heating temperatures by 4 degrees or more in non-critical zones within EMCS; (3) Controls that remotely reset temps in all non-critical zones to original operating levels; (4) Controls shall be programmed to provide an adjustable rate of change for the temperature increase, decrease, and reset; and (5) Controls have the features to be disabled or adjusted by authorized facility operators.
- I. All recirculated air or outdoor air supplied to occupiable spaces is filtered (minimum MERV 13) before passing through any air conditioning component.
- J. The lesser of the minimum rate of outdoor air required by Sec. 120.1 (c), or three complete air changes shall be supplied to the entire building during the one-hour period immediately before the building is normally occupied.
- K. All mechanical ventilation and space-conditioning systems shall be designed with ductwork, dampers, and controls which allows outside air rates to be operated at the larger of (1) the minimum levels specified in Section 120.1(c)3 or (2) the rate required for make-up of exhaust systems that are required for an exempt or covered process, for control of odors, or for the removal of contaminants within the space. Measured outside air rates of constant and variable volume mechanical ventilation systems shall be within 10% of outside air rate shown on Table 120.1-A.
- L. The thermostatic controls for HVAC systems shall be capable of being set locally or remotely by to control comfort heating down to 55°F or lower and cooling up to 85°F or higher. The thermostatic controls shall be capable of providing a dead band range of at least 5°F within which heating and cooling energy to the zone is shut off or reduced to a minimum.
- M. Outdoor air supply and exhaust equipment shall be installed with dampers that automatically close upon fan shutdown.
- N. Space conditioning systems with DDC zone controls shall have optimum start/stop controls. Minimum controls shall be a function the difference(s) between space temperature(s) and occupied set point(s), the outdoor air temperature(s), and the amount of time prior to scheduled occupancy.
- O. Air distribution system ducts and plenums, including, but not limited to, building cavities, mechanical closets, air-handler boxes and support platforms used as ducts or plenums, shall be installed, sealed and insulated to meet the requirements of Chapter 6 CMC Code and ANSI/SMACNA -006-2006 HVAC Duct Construction Standards Metal and Flexible. Supply-air ducts conveying heated or cooled air shall be insulated to a minimum installed level of R-4.2 (R-8 in unconditioned space), unless ducts are in conditioned space.
- P. Maximum length of flexible duct and connectors shall not be more than 5 feet. Flexible ducts shall not be used in lieu of rigid elbows.
- Q. Each space-conditioning system shall be installed with controls (1) Capable of automatically shutting off the system during periods of non-use and shall have (a) 4-hr timer or; (b) occupancy sensors or; (c) auto time switch controls and accessible manual override for up to 4-hrs. (2) Automatically restart and temporarily operate the system to maintain setback thermostat setpoints for mechanical heating and cooling.

Consultant:



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Issue Record:	
09/11/2025	PERMIT ISSUE
11/14/2025	CONSTRUCTION ISSUE

Revisions:	
7	10/21/25 City Comment Revisions

Drawn:	Checked:
IJD	AJD

Project No.
241159

Contents:
CALIFORNIA NOTES

M015



STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Mechanical Systems NRCC-MCH-E
 CERTIFICATE OF COMPLIANCE (Page 1 of 10)
 Project Name: El Segundo Report Page: (Page 1 of 10)
 Project Address: 2025-10-20T16:03:51-04:00 Date Prepared:

A. GENERAL INFORMATION			
01 Project Location (city)	Hawthorne	04 Total Conditioned Floor Area	2355
02 Climate Zone	8	05 Total Unconditioned Floor Area	0
03 Occupancy Types Within Project:		06 # of Stories (Habitable Above Grade)	1
• Restaurant			

B. PROJECT SCOPE
 This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
<input checked="" type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input checked="" type="checkbox"/> Air Economizer
<input checked="" type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
Mechanical Controls	<input type="checkbox"/> System Piping	<input checked="" type="checkbox"/> Fan Systems
<input type="checkbox"/> Mechanical Controls (existing to remain, altered or new)	<input type="checkbox"/> Cooling Towers	<input checked="" type="checkbox"/> Ductwork (existing to remain, altered or new)
	<input type="checkbox"/> Chillers	<input type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal Systems/ Terminal Boxes

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G. PUMPS
 This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS
 This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	RTU's	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	7,400	Site Elevation	115	Economizer	Differential Enthalpy
01	02	03	04	05	06	07	08	09	10	11	Design				
RTU's	Supply	2	Reheat Coil for Dehumidification	100		0.04	0.53	Default per Table 140.4-D/141.0-D	>=2 and <3	2.57	Allowance				
			Gas heat	100		0.06					Design				
			Hydronic/DX cooling coil or heat pump coil	100		0.12					Design				
			Economizer Return Damper	100		0.04					Design				
			Central Hydronic heating coil	100		0.05					Design				
Low-turn-down single-zone VAV fan systems	100		0.1	Design											
MERV 13-16 Filter upstream of thermal conditioning equipment	100		0.12	Design											
Supply Fan Base Allowance (watt/cfm)	0.256	Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)	0	Fan System Allowance (kW)	9.73	Fan System Electrical Input Power (KW)	5.14								

¹ FOOTNOTES: Fans serving spaces with design background noise goals below NC35
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C. COMPLIANCE RESULTS
 Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01	02	03	04	05	06	07	08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND Pumps 140.4(b), 170.2(c)4i	AND Fans/Economizers 140.4(c), 140.4(e), 170.2(c)	AND System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND Ventilation 120.1, 160.2	AND Terminal Box Controls 140.4(d), 170.2(c)4B	AND Distribution 120.3, 140.4(i), 160.2, 160.3	AND Cooling Towers 110.2(e)2	COMPLIES
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	
Yes	AND	AND	Yes	AND	AND	AND	Yes	AND
Mandatory Measures Compliance (See Table Q for Details)								COMPLIES

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
 Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
RTU-1	1	Single zone	New/ Addition	All Other Occupancies	<input type="checkbox"/>
RTU-2	1	Single zone	New/ Addition	All Other Occupancies	<input type="checkbox"/>

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H. FAN SYSTEMS & AIR ECONOMIZERS
¹ Low-turn-down single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.
² Fan system allowance includes fan system base allowance.
³ Filter pressure loss can only be counted once per fan system.
⁴ Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.
⁵ Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document.

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)4O	Exhaust Air Heat Recovery 140.4(q) & 170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass
RTU's	1	< 8,000	7,400	1,500	20	NA: Serving space not cooled and heated to <60 F	Not Required			

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI
RTU's	Embedded Fan <SHP or <4.1kW	

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
 Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11		
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available ¹ 140.4(a) and 170.2(c)1	Equipment Sizing per Mechanical Schedule (kBtu/h)								
				Heating Output ^{2,3}			Cooling Output ^{2,3}				Load Calculations ^{3,4}	
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)		
RTU-1	Furnace + AC	AC, air cooled, single pkg + warm-air central furnace, gas-fired	Yes	205	205	0	117.3	117.3	122	90		
RTU-2	Furnace + AC	AC, air cooled, single pkg + warm-air central furnace, gas-fired	Yes	181	181	0	94.9	94.9	59	56		

¹ FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are exempt.
² It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
⁴ Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Heating Mode			Cooling Mode		
			Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
RTU-1	>=65kBtu cooling/ <225kBtu heating		AFUE	0.8	0.82	EER	11	11
RTU-2	>=65kBtu cooling/ <225kBtu heating		AFUE	0.8	0.81	EER	11	11.2

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I. SYSTEM CONTROLS
 This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10
System Name	System zoning	Conditioned Floor Area Being Served (ft²)	Thermostats 110.2(b) & (c)¹, 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	Shut-Off Controls 120.2(e) & 160.3(a)2B	Isolation Zone Controls 120.2(g) & 160.3(a)2F	Demand Response 110.12 120.2(b) & 160.3(a)2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D	Direct Digital Control (DDC) per 120.2
RTU's	Single zone	<= 25,000 ft²	Setback	Auto Timer Switch	Auto Timer Switch	EMCS	NA: Single Zone	NA: No operable windows	NA: Single Zone

¹ FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

J. VENTILATION AND INDOOR AIR QUALITY
 This section does not apply to this project.

K. TERMINAL BOX CONTROLS
 This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)
 This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	02	03
Name or Item Tag	Insulation	Sealing
RTU's	<input type="checkbox"/>	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

Duct Leakage Testing
 The answers to the questions below apply to the following duct systems: M100 NR/ Common Use: Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems? No

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 241159

Contents:

MECHANICAL TITLE
 24 COMPLIANCE

M020

L. DISTRIBUTION (DUCTWORK and PIPING)

		Dwelling Units: Total duct leakage of duct system shall not exceed 1.2% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	---
		Duct leakage testing per CMC Section 603.9.2 required for these systems?	Yes
11	No	The scope of the project includes only duct systems serving healthcare facilities	
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.	
13	Yes	The space conditioning system serves less than 5,000 ft ² of conditioned floor area.	
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:	
15	No	The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.	
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.	
17	Yes	All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A	
18	No	All ductwork is an extension of an existing duct system	
19	No	Ductwork serving individual dwelling unit	
20		< 25 ft of new or replacement space conditioning ducts installed	
21	R-4.2	Duct Insulation R-value	
22	No	Ductwork Existing To Remain	
23	No	Duct System Connected To Altered Space Conditioning System	

M. COOLING TOWERS
 This section does not apply to this project.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Lizzy Overschmidt Documentation Author Signature: Elizabeth Overschmidt
 Signature Date: 20 OCT 2025
 Company: Blanchard AE Group
 Address: 1425 Wakarusa Dr. CEAI/HERS Certification Identification (if applicable):
 City/State/Zip: Lawrence, KS 66049 Phone: 785-993-0300

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 Designer Name: Laura Blanchard, PE Responsible Designer Signature: _____
 Date Signed: 20 OCT 2025
 Company: BAE Group License: M34017
 Address: 1425 Wakarusa Dr. Phone: 785-993-0300
 City/State/Zip: Lawrence, KS 66049

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N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4>
 Form/Title
 NRCC-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4>
 Form/Title Systems/Spaces To Be Field Verified
 NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes". If Constant Volume Single Zone HVAC RTU's
 Systems are included in the scope, permit applicant should move this form to "Yes".
 NRCA-MCH-05-A - Air Economizer Controls RTU's
 NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance RTU-1; RTU-2
 NRCA-MCH-18-A Energy Management Control Systems RTU's

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
 There are no NRCV forms required for this project.

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Q. MANDATORY MEASURES DOCUMENTATION LOCATION
 This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01	02
Compliance with Mandatory Measures documented through MCH	No
Mandatory Measures Note Block	Plan sheet or construction document location
03	04
Mandatory Measure	Plan sheet or construction document location
Heating Equipment Efficiency per 110.1	M600
Cooling Equipment Efficiency per 110.1	M600
Furnace Standby Loss Control per 110.2(d)	M600
Duct Insulation per 120.4	M010 & M700
Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)	N/A
The air duct and plenum system is designed per 120.4(a)-(f)	M100

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Consultant:



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 Hawthorne, CA

Issue Record:

09/11/2025	PERMIT ISSUE
11/14/2025	CONSTRUCTION ISSUE

Revisions:

7	10/21/25	City Comment Revisions
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Drawn: JJD Checked: AJD

Project No. 241159

Contents:

MECHANICAL TITLE
 24 COMPLIANCE

M021

Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

This form is used to document any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6/160.7 or prescriptive requirements in 140.9. This compliance document is used for newly constructed, addition and alteration projects.

Table with Project Name: El Segundo, Report Page: (Page 1 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

A. GENERAL INFORMATION

Table with columns for Project Location (city), Climate Zone, Occupancy Types Within Project, Total Conditioned Floor Area, Total Unconditioned Floor Area, # of Stories (Habitable Above Grade)

B. PROJECT SCOPE

This table includes process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in 120.6/160.7 or prescriptive requirements in 140.9.

My project consists of: (check all that apply):

Table with checkboxes for Refrigerated Spaces, Escalator & Moving Walkway Speed Controls, Computer Rooms, Commercial Kitchen Ventilation/Exhaust, Enclosed Parking Garage Exhaust, Laboratory Exhaust/Factory Exhaust & Fume Hood, Newly Installed Process Boilers, Pool/Spa, Compressed Air Systems Combined HP >= 25, Controlled Environment Horticulture, Elevator Lighting & Ventilation Controls, New Steam Traps

FOOTNOTES: These building features can comply using the performance method. If using the performance method for these features, compliance should be demonstrated on the NRCC-PRF-E.

Alert! Refrigerated Warehouses and refrigerated spaces that are less than 3,000 square feet do not have requirements under Title 24, Part 6 and therefore are not documented on the NRCC-PRC-E. Systems serving these spaces shall meet the requirements of the Appliance Efficiency Regulations for walk-in coolers or freezers contained in the Appliance Efficiency Regulations (California Code of Regulations, Title 20, Sections 1601 through 1608).

Table with Generated Date/Time, Documentation Software: Energy Code Ace, Report Version: 2022.0.000, Compliance ID: 273251-0325-0002, Schema Version: rev 20220101, Report Generated: 2025-03-27 15:01:39

Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

Project Name: El Segundo, Report Page: (Page 4 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

Table with columns for Replacement Air to Hood Compliance Method, Mechanically cooled or heated makeup air, Location that is supplying transfer air, The kitchen/dining facility has a total Type I and Type II kitchen hood exhaust airflow > 5000 cfm

Kitchen Exhaust: Airflow Rate 140.9(b)1B

Table with columns for Kitchen Name or Item Tag, Cooking Area, Compliance Method per 140.9(b)1B, Design Hood Exhaust Rate, Max Hood Exhaust Rate

FOOTNOTES: Type II hoods do not have a max hood exhaust air rate per 140.9(b)1B

O. LABORATORY AND FACTORY EXHAUST AND FUME HOODS

This section does not apply to this project.

P. CONTROLLED ENVIRONMENT HORTICULTURE

This section does not apply to this project.

Q. STEAM TRAPS IN INDUSTRIAL FACILITIES

This section does not apply to this project.

Table with Generated Date/Time, Documentation Software: Energy Code Ace, Report Version: 2022.0.000, Compliance ID: 273251-0325-0002, Schema Version: rev 20220101, Report Generated: 2025-03-27 15:01:39

Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

Project Name: El Segundo, Report Page: (Page 2 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through R. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Table with columns 01-14 for various equipment types and a Compliance Results column.

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. REFRIGERATED WAREHOUSES/SPACES

This section does not apply to this project.

G. COMMERCIAL REFRIGERATION

This section does not apply to this project.

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Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

Project Name: El Segundo, Report Page: (Page 5 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

R. Pool & SPAs

This section does not apply to this project.

S. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-4

Table with columns for Form/Title, NRCC-PRC-01-E - Covered Process

T. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. 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: http://www.energy.ca.gov/title24/attcp/providers.html

Table with columns for Form/Title, Systems/Spaces To Be Field Verified, NRCA-PRC-02-F Kitchen Exhaust, Cooking Area

Table with Generated Date/Time, Documentation Software: Energy Code Ace, Report Version: 2022.0.000, Compliance ID: 273251-0325-0002, Schema Version: rev 20220101, Report Generated: 2025-03-27 15:01:39

Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

Project Name: El Segundo, Report Page: (Page 3 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

H. ENCLOSED PARKING GARAGE EXHAUST

This section does not apply to this project.

I. PROCESS BOILER

This section does not apply to this project.

J. COMPRESSED AIR SYSTEMS

This section does not apply to this project.

K. ELEVATOR LIGHTING AND VENTILATION

This section does not apply to this project.

L. ESCALATORS AND MOVING WALKWAYS SPEED CONTROLS

This section does not apply to this project.

M. COMPUTER ROOM SYSTEM SUMMARY

This section does not apply to this project.

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

This table contains all new and replacement hoods being installed within the scope of the permit application. Table N is used to demonstrate compliance with prescriptive requirements found in 140.9(b).

Table with columns for Kitchen Ventilation 140.9(b)2, Existing kitchen hoods not being replaced as part of an addition or alteration (do not need to meet requirements), Requirements

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Process Systems

CERTIFICATE OF COMPLIANCE NRCC-PRC-E

Project Name: El Segundo, Report Page: (Page 6 of 6), Date Prepared: 2025-03-27T18:01:34-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Table with columns for Documentation Author Name, Signature, Company, Address, City/State/Zip, Signature Date, CEA/HERS Certification Identification (if applicable), Phone

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. 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) 3. 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. 4. 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. 5. 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.

Table with columns for Responsible Designer Name, License, Date Signed, Company, Address, City/State/Zip, License Number, Phone

Table with Generated Date/Time, Documentation Software: Energy Code Ace, Report Version: 2022.0.000, Compliance ID: 273251-0325-0002, Schema Version: rev 20220101, Report Generated: 2025-03-27 15:01:39



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Table with Revisions, 1 04/04/25 City/Health Revisions

Table with Drawn: JJD, Checked: AJD

Project No. 241159

Contents:

MECHANICAL TITLE 24 COMPLIANCE

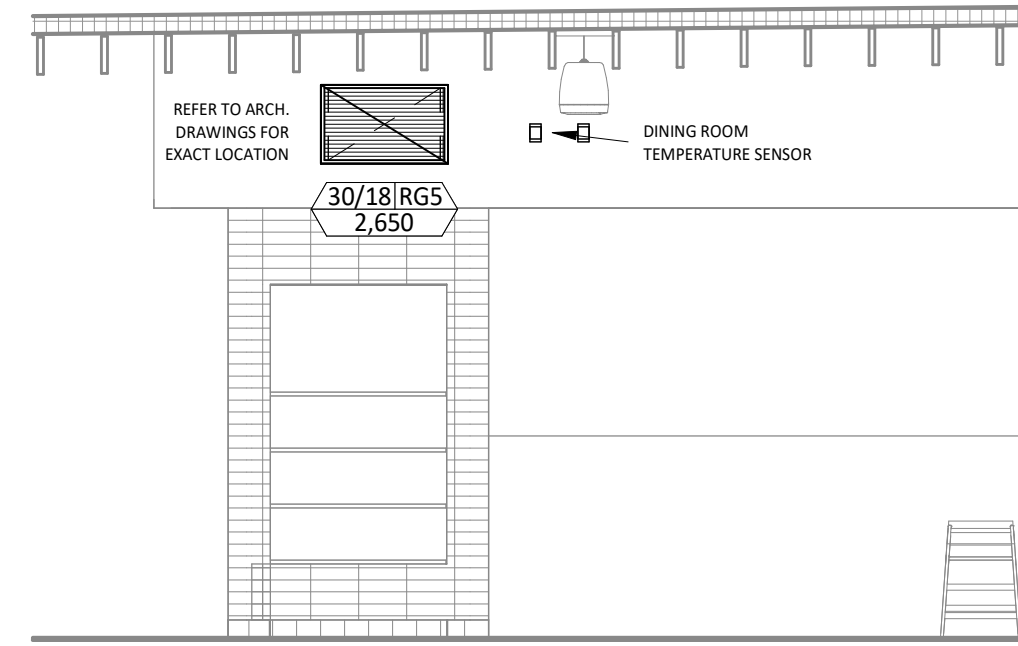
M022

HVAC PLAN NOTES

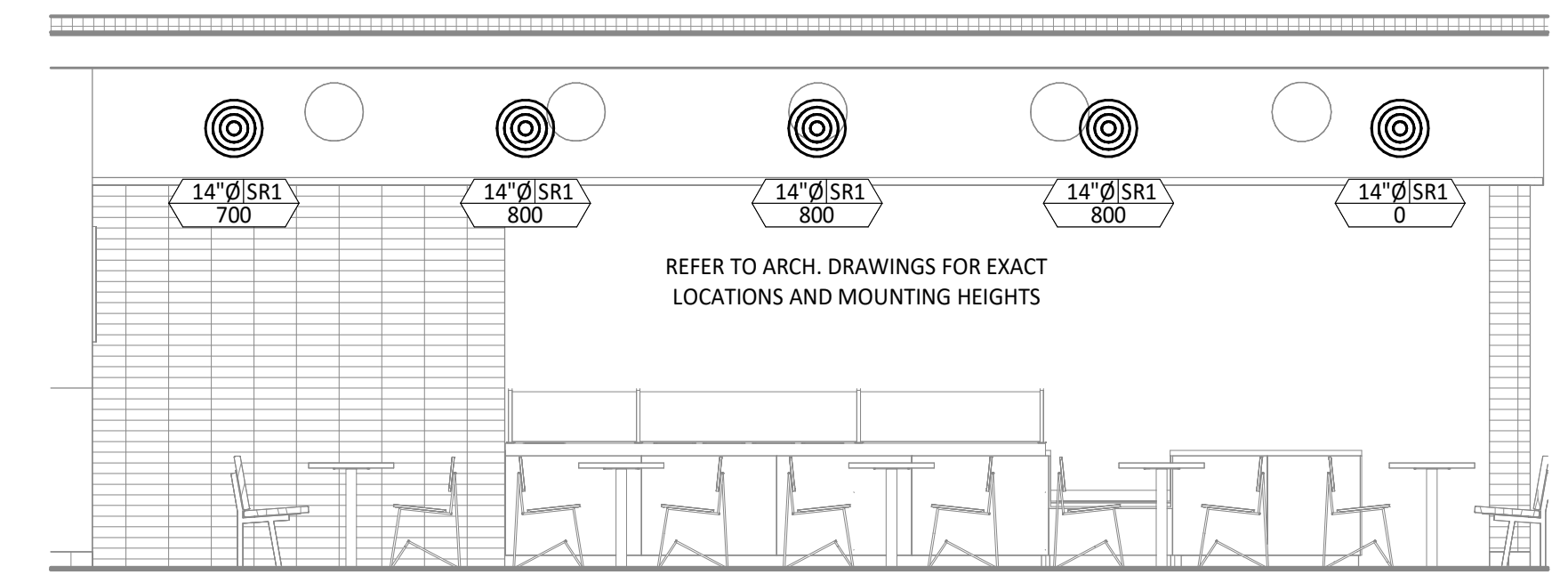
- 1 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- 2 PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.
- 3 PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- 4 26/14 DUCT UP FOR TRANSITION TO RTU-1 RETURN CONNECTION IN ROOF CURB. RTU-1 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-1 OPERATION.
- 5 30/14 DUCT UP FOR TRANSITION TO RTU-2 RETURN CONNECTION IN ROOF CURB. RTU-2 SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO RTU-2 OPERATION.
- 6 26/20 DUCT UP FROM BUILDING SUPPLY THROUGH ROOF FOR TRANSITION TO RTU-1 SIDE SUPPLY CONNECTION. REFER TO DRAWING 2, THIS SHEET, FOR CONTINUATION OF DUCTWORK TO UNIT.
- 7 26/18 DUCT UP FROM BUILDING SUPPLY TO RTU-2 SUPPLY CONNECTION. TRANSITION IN ROOF CURB.
- 8 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 9 24/10 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUS ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.
- 10 8/6 DUCT UP THROUGH ROOF TO EF-2.
- 11 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 12 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
- 13 INSTALL SINGLE-GANG VERTICAL J-BOX FOR GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR RTU-1 AND RTU-2 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 14 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 15 INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR RTU-2 DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 16 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-1 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 17 INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR RTU-2 IN THE SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- 18 INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.
- 19 INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.

HVAC PLAN NOTES

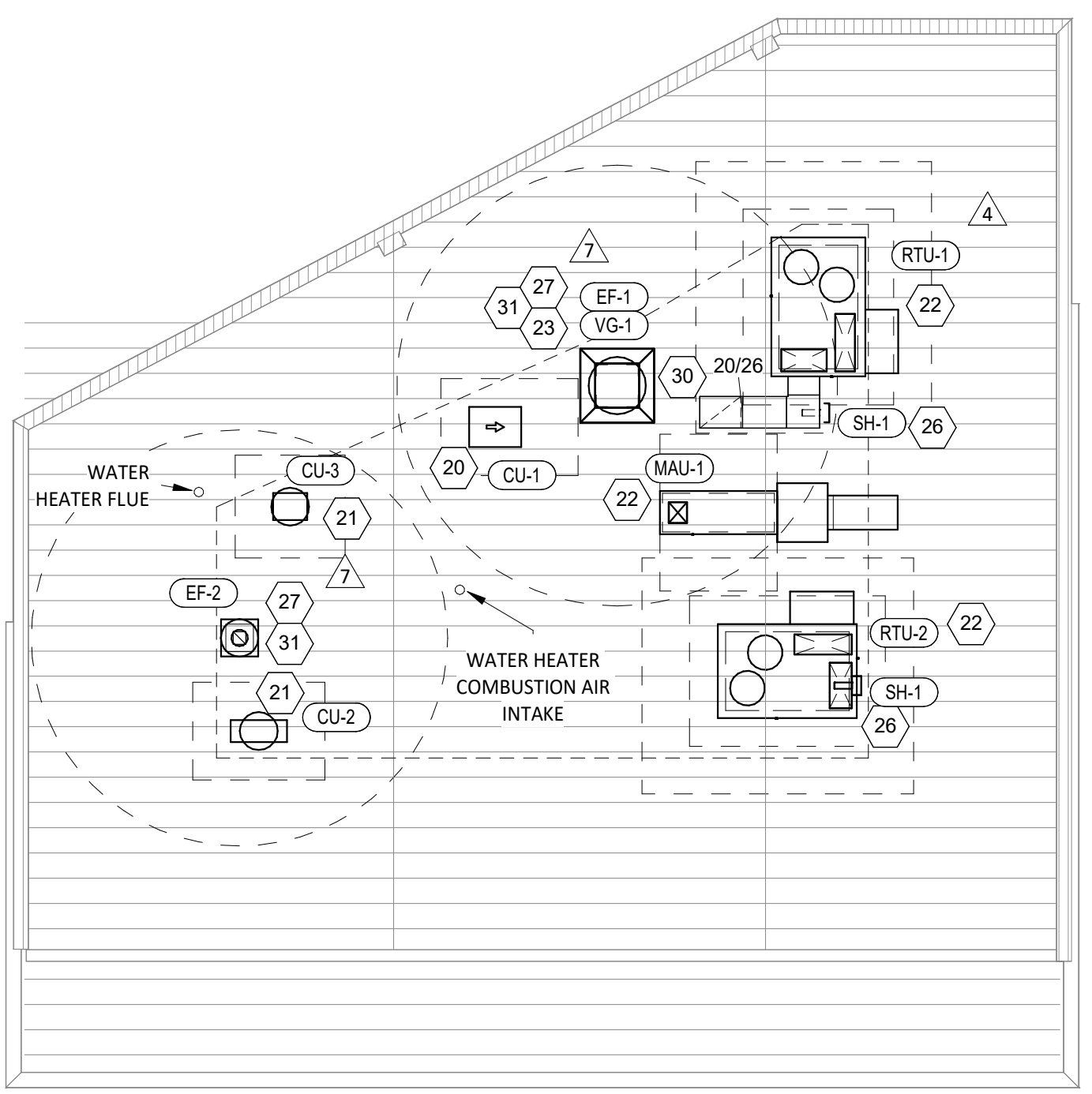
- 20 INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3" OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
- 21 INSTALL REMOTE CONDENSER FOR ICE MACHINE ON ROOF AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3" OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
- 22 INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 23 INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPOTLE ON EXHAUST FAN, EF-1.
- 24 PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- 25 PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- 26 INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN RTU PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY RTU ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.
- 27 MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER FLUE TERMINATION AND OUTSIDE AIR INTAKES. MAINTAIN 10" CLEARANCE BETWEEN WATER HEATER COMBUSTION AIR INTAKE AND EXHAUST FAN DISCHARGE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION ON WATER HEATER FLUE AND COMBUSTION AIR TERMINATIONS.
- 28 ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.
- 29 CAP DIFFUSER WITH BLACK BACKING.
- 30 PROVIDE EXTERIOR DUCT INSULATION PER DETAIL 10/M700 ON ALL ROOF MOUNTED DUCTWORK. REFER TO DRAWING 1, THIS SHEET, FOR CONTINUATION OF DUCTWORK INTO THE SPACE.
- 31 EXHAUST OUTLET(S) SHALL BE MINIMUM 10' FROM ADJACENT BUILDINGS, PROPERTY LINES, OR AIR INTAKES AND NOT LESS THAN 5' FROM ANY COMBUSTIBLE STRUCTURE.
- 32 DEMAND CONTROL VENTILATION REQUIRED FOR DINING ROOM RTU PER CEC 120.1(d). INSTALL CO2 SENSOR 3-6 FEET ABOVE FINISHED FLOOR.



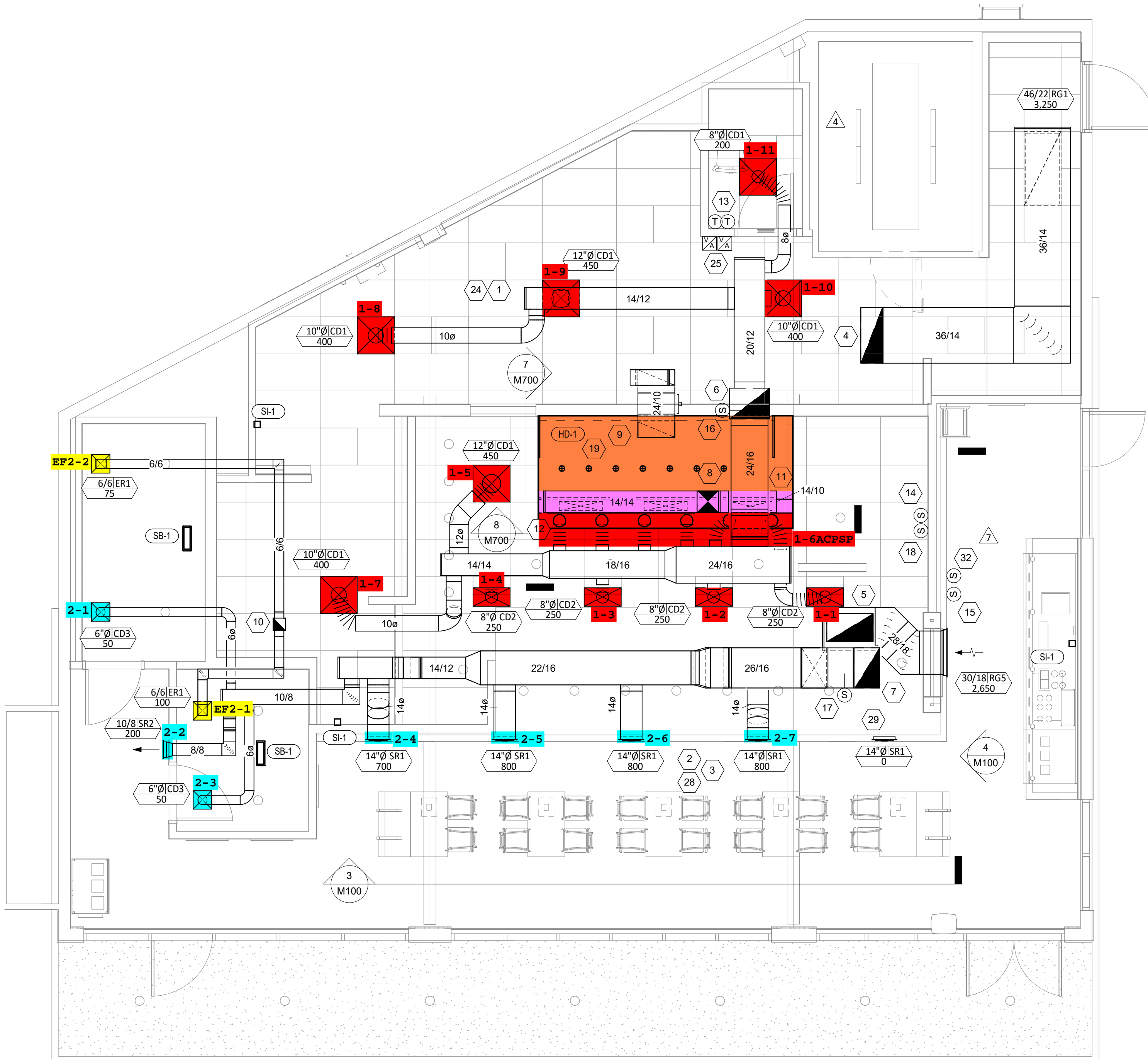
4 HVAC DINING ROOM SECTION
1/4" = 1'-0"



3 HVAC DINING ROOM SECTION
1/4" = 1'-0"



2 HVAC ROOF PLAN
1/8" = 1'-0"



1 HVAC FLOOR PLAN
1/4" = 1'-0"

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Drawn: JJD
Checked: AJD

Project No.
241159

Contents:

HVAC PLAN

M100



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Contents:

HVAC SCHEDULES

M600

SANITIZING EQUIPMENT SCHEDULE							
TAG	COUNT	DESCRIPTION	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION
SH-1	2	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/M700 FOR INSTALLATION INFORMATION.
SI-1	3	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

VENTILATION SCHEDULE										
SPACE	AREA (SQ.FT)	People/1000 sq. ft.	sq. ft./Person	CODE PEOPLE	ACTUAL PEOPLE	ACTUAL sq. ft./Person	O/A CFM/Person	O/A CFM/sq. ft.	O/A CFM	E/A CFM
KITCHEN	1115	20	50	20	10.0	111.5	7.5	0.12	208.8	2550.0
DINING	700	70	14.29	70	50.0	14.0	7.5	0.18	501.0	-
OFFICE	40	5	200	5	1.0	40.0	5	0.06	7.4	-
RR	-	-	-	-	-	-	-	-	-	150.0

FAN SCHEDULE												
TAG	DESCRIPTION	AIRFLOW	E.S.P.	WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL		
EF-1	UPBLAST UL762 EXHAUST FAN	2,550 CFM	1.20 in-wg	300 lb	2 hp	208/3/60	HS	GC	CAPTIVE-AIRE	DU180HFA	DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB	
EF-2	DOWNBLAST RESTROOM EXHAUST FAN	175 CFM	0.60 in-wg	100 lb	0.25 hp	120/1/60	HS	GC	CAPTIVE-AIRE	DR12HFA	DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB	

VIROGUARD SCHEDULE							
TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

CONDENSING UNIT SCHEDULE															
TAG	DESCRIPTION	NOMINAL CAPACITY	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOC	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	CONDENSING UNIT - WALK-IN COOLER		1	1	R-404A	10.4 lb	250 lb	15 A	9 A	208/3/60	WCS	GC	HARFORD	KPCL99MZOP-3E	FURNISHED WITH WALK-IN COOLER
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		0	1	R-404A	11.46 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-9FZ	FURNISHED WITH ICE MAKER
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER		0	1	R-404A	3.86 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-5FZ	FURNISHED WITH ICE MAKER

MAKEUP AIR UNIT SCHEDULE														
TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				INPUT	OUTPUT	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT W/ EVAP COOLER	1,300 CFM	0.50 in-wg	100,000 Btu/h	90,000 Btu/h	21 °F	750 lb	1 hp	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-1SD	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, EVAP COOLER, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

KITCHEN HOOD SCHEDULE																									
TAG	DESCRIPTION	MAX COOKING TEMP.	AIRFLOW	E.S.P.	EXHAUST PLENUM						PERFORATED SUPPLY PLENUMS						NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS		
					DUCT COLLARS			MAU PLENUM			AC PLENUM			DUCT COLLARS							MANUFACTURER	MODEL			
					NO.	WIDTH	LENGTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	AIRFLOW	NO.								WIDTH	LENGTH
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,550 CFM	0.97 in-wg	1	10"	2' - 0"	12' - 9"	4' - 3"	13' - 9"	1' - 7"	1,300 CFM	3	6"	2' - 4"	700 CFM	6	8"	8	1,300 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSF-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, 24V GAS VALVE, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

ROOFTOP UNIT SCHEDULE																				
TAG	DESCRIPTION	NOMINAL CAPACITY	AIRFLOW			NET COOLING CAPACITY				HEATING CAPACITY			ELECTRICAL			BASIS FOR DESIGN		REMARKS		
			TOTAL	OA	E.S.P. (IN. W.C.)	TOTAL (MBH)	SENSIBLE (MBH)	DB	EAT	WB	COND. EAT	INPUT (BTU/h)	OUTPUT (BTU/h)	EAT	WEIGHT	MOC	MCA		V/P/H	MANUFACTURER
RTU-1	KITCHEN ROOFTOP UNIT	10 ton	4,000 CFM	750 CFM	0.8	117.3	87.7	80 °F	67 °F	95 °F	250,000	205,000	70 °F	1,200 lb	60 A	51 A	208/3/60	CARRIER	48FCFN12	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RETURN AND SUPPLY SMOKE DETECTORS W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-13 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE. PROVIDE COATED COILS FOR CORROSION PROTECTION.
RTU-2	DINING AREA ROOFTOP UNIT	8.5 ton	3,400 CFM	750 CFM	0.8	94.9	72.3	80 °F	67 °F	95 °F	224,000	181,000	70 °F	1,200 lb	50 A	42 A	208/3/60	CARRIER	48FCFN09	FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RETURN AND SUPPLY SMOKE DETECTORS W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-13 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE. PROVIDE COATED COILS FOR CORROSION PROTECTION.

AIR BALANCE SCHEDULE				
TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	2,550 CFM	-2,550 CFM
EF-2	0 CFM	0 CFM	175 CFM	-175 CFM
MAU-1	1,300 CFM	0 CFM	0 CFM	1,300 CFM
RTU-1	4,000 CFM	3,250 CFM	0 CFM	750 CFM
RTU-2	3,400 CFM	2,650 CFM	0 CFM	750 CFM
NET PRESSURIZATION				75 CFM

CONTROL FUNCTIONS
A. THE MAIN COOKING EXHAUST FAN, MAKE-UP AIR UNIT, AND ROOFTOP UNITS (RTU-1 & RTU-2) SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

AIR TERMINAL SCHEDULE												
TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES		
								MANUFACTURER	MODEL			
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD		
CD2	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS		
CD3	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD		
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD		
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L			
RG5	0" FIXED BLADE RETURN GRILLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51FH			
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-14	PROVIDE WITH CONCEALED MOUNTING AND FACE ACCESSIBLE OBD		
SR2	DOUBLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51DH	PROVIDE WITH INTEGRAL OBD		



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Issue Record table with columns for Issue No., Date, Description, Status

Revisions table with columns for No., Date, Description

Drawn: JUD Checked: JUD

Project No: 241159

Contents:

HOOD CUTSHEETS

M605



HOOD INFORMATION - 0604218976. Includes tables for HOOD INFORMATION, PARTS, and REVISIONS. Features technical drawings of hood components and assembly instructions.

CAPTIVE WIRE logo and project information for El Segundo Blvd & 405 Hwy 6735, including date and drawing details.

HOOD INFORMATION - 0604218976. Includes tables for HOOD INFORMATION, PARTS, and REVISIONS. Features technical drawings of hood components and assembly instructions.

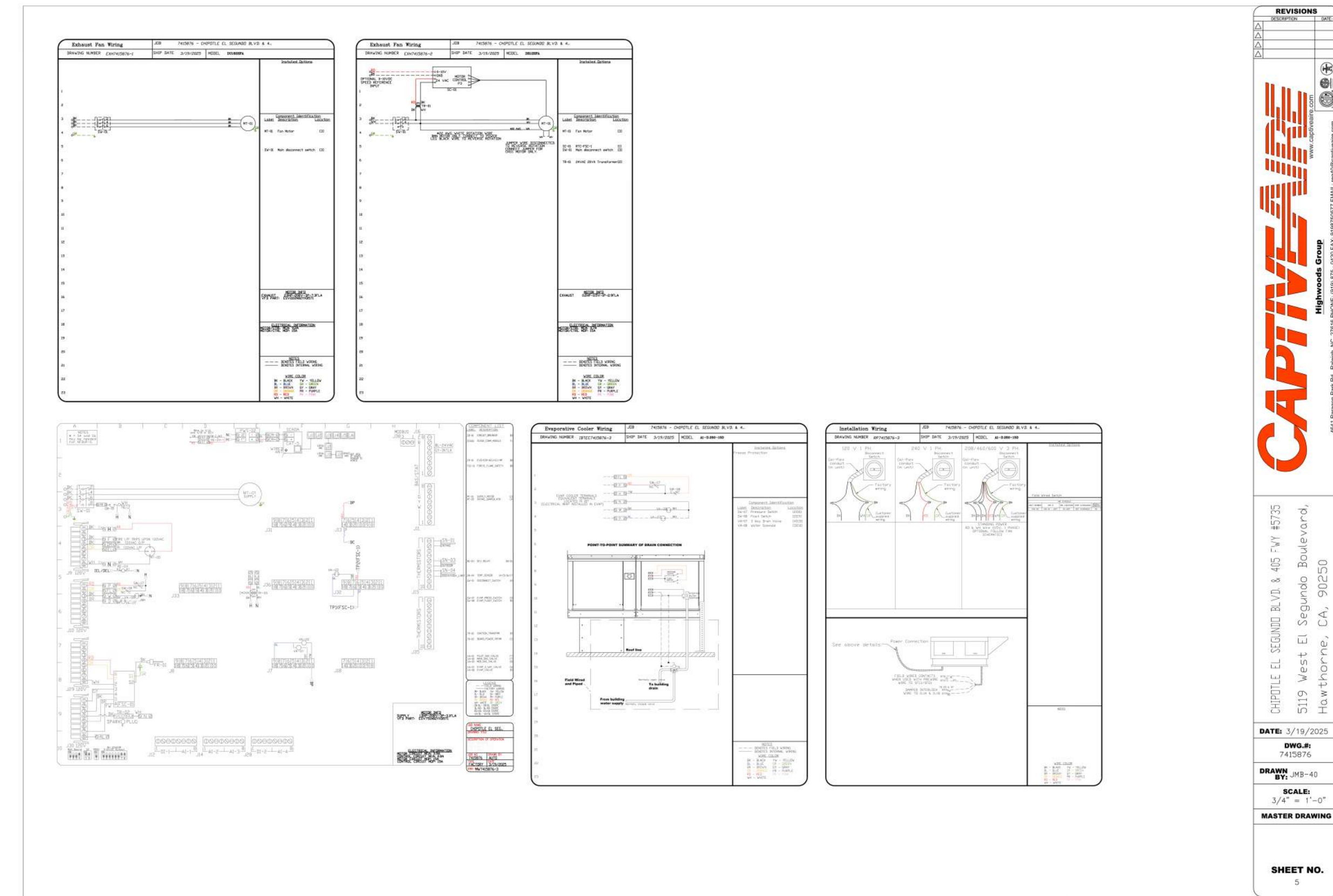
CAPTIVE WIRE logo and project information for El Segundo Blvd & 405 Hwy 6735, including date and drawing details.

FAN INFORMATION - 0604218976. Includes tables for FAN INFORMATION, PARTS, and REVISIONS. Features technical drawings of fan units and assembly instructions.

CAPTIVE WIRE logo and project information for El Segundo Blvd & 405 Hwy 6735, including date and drawing details.

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CAPTIVE WIRE logo and project information for El Segundo Blvd & 405 Hwy 6735, including date and drawing details.



REVISIONS

CAPTIVE WIRE
Highwoods Group

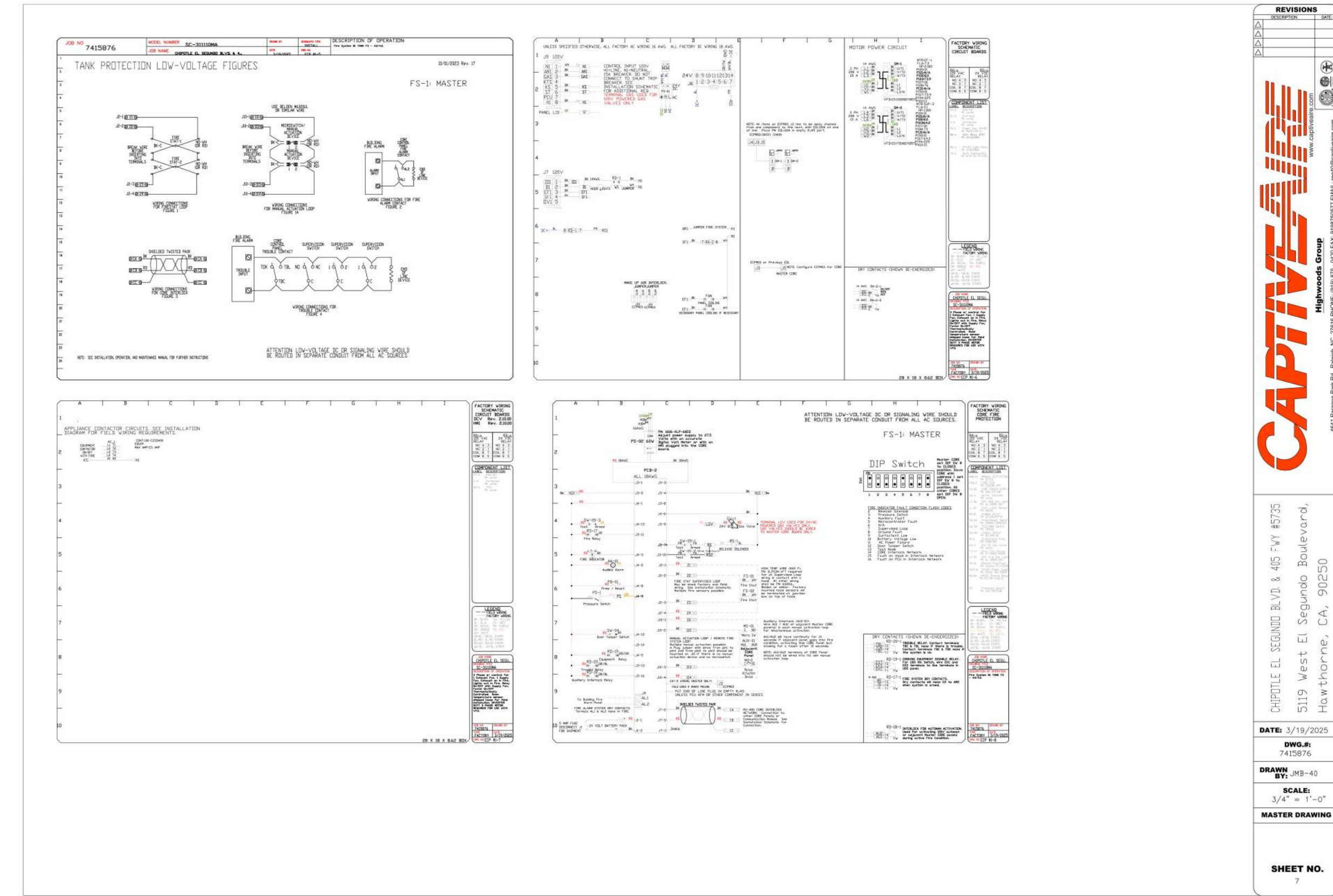
4857 Papanogue Rd., Raleigh, NC 27616 PHONE: 252.375.1111 FAX: 252.375.1122

PROJECT: CAPSULE #30004000

CLIENT: CHIPOTLE MEXICAN GRILL, INC.

PROJECT ADDRESS: 5119 West El Segundo Boulevard, Hawthorne, CA, 90250

DATE: 3/18/2025
DWG #: 742576
DRAWN BY: JPS-43
SCALE: 1/8" = 1'
MASTER DRAWING
SHEET NO. 5



REVISIONS

CAPTIVE WIRE
Highwoods Group

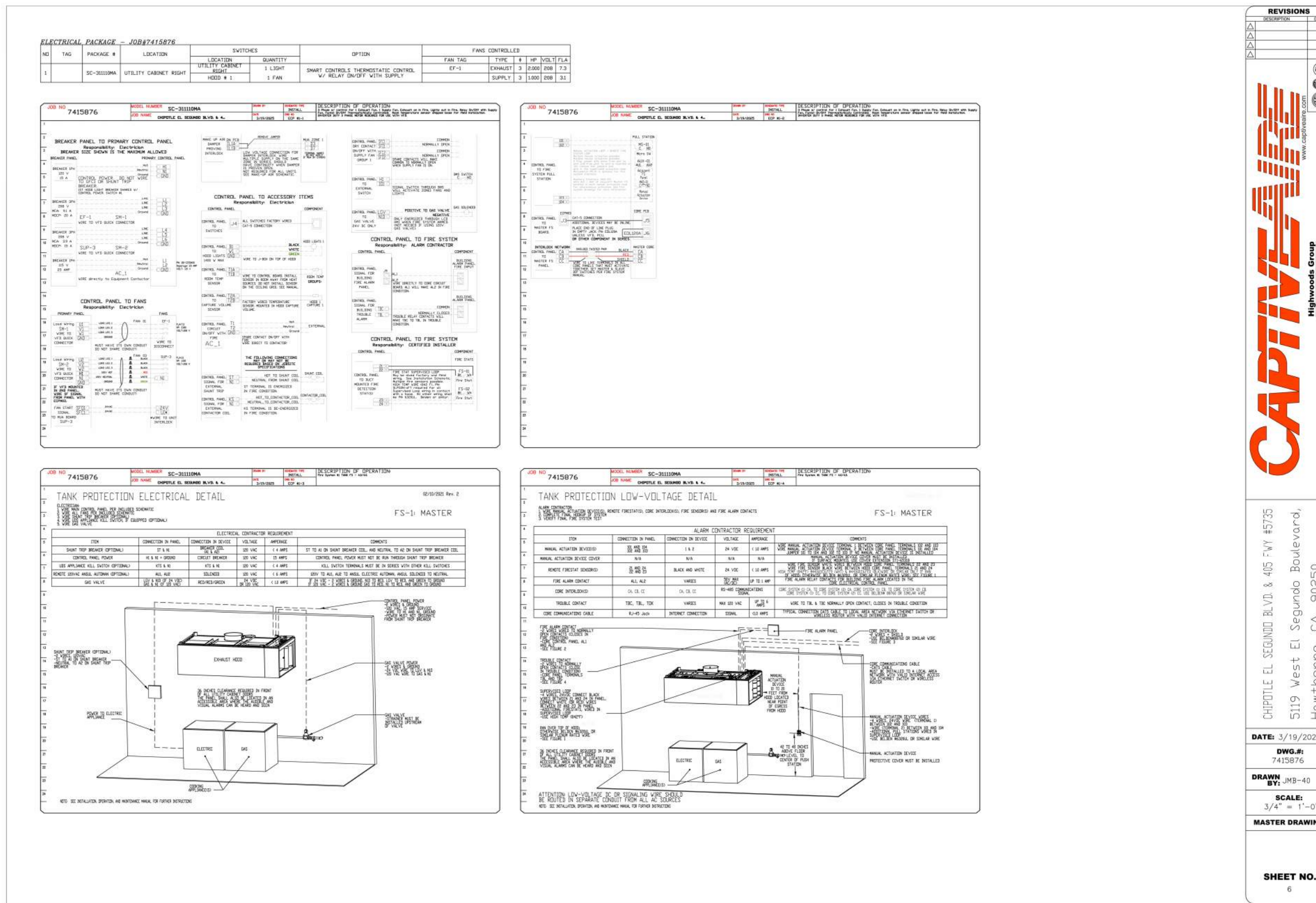
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DWG #: 742576
DRAWN BY: JPS-43
SCALE: 1/8" = 1'
MASTER DRAWING
SHEET NO. 7



REVISIONS

CAPTIVE WIRE
Highwoods Group

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PROJECT: CAPSULE #30004000

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DATE: 3/18/2025
DWG #: 742576
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SCALE: 1/8" = 1'
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Consultant:

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Hawthorne, CA

Issue Record:

09/11/2025 PERMIT ISSUE
11/14/2025 CONSTRUCTION ISSUE

Revisions:

1 04/04/25 City/Health Revisions

Drawn: JJD Checked: AJD

Project No: 241159

Contents:

HOOD CUTSHEETS

M610



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Revisions:
1 04/04/25 City/Health Revisions
7 10/21/25 City Comment Revisions

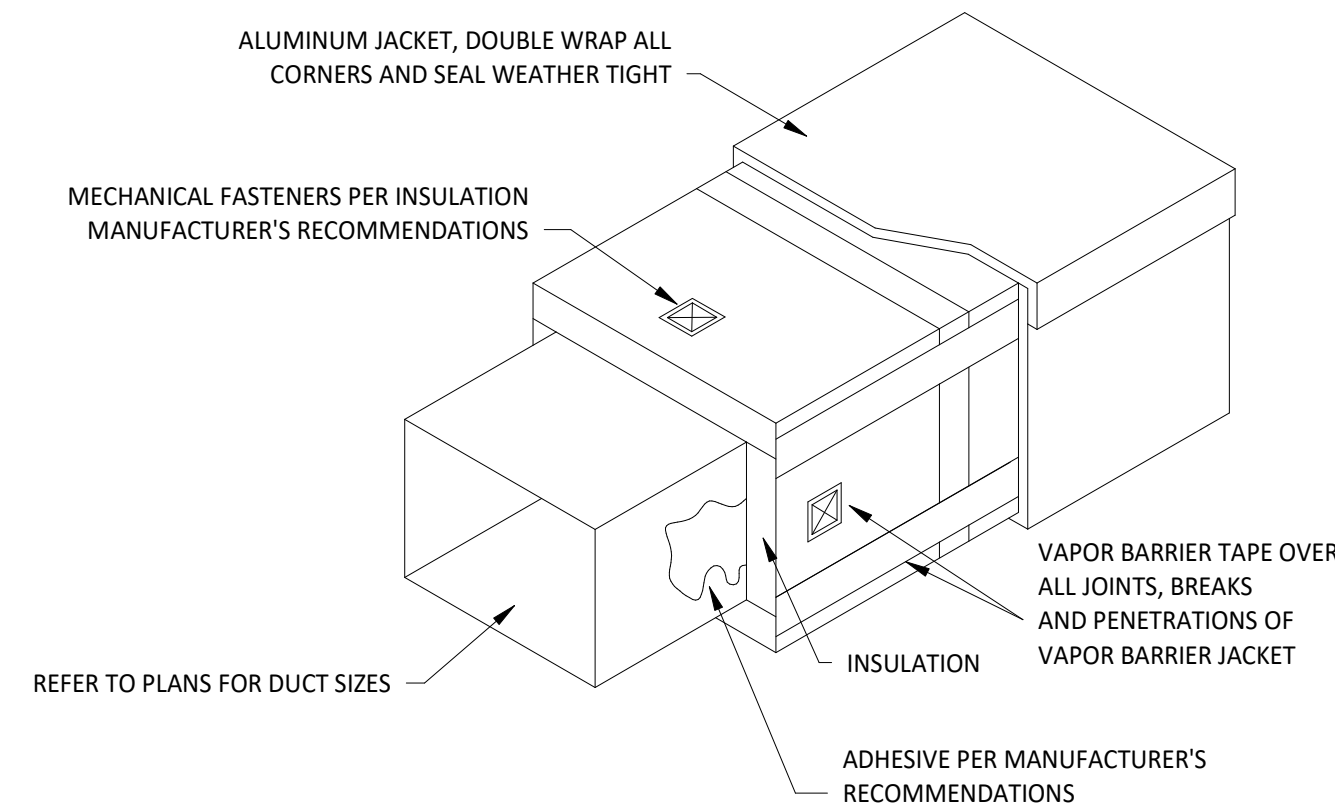
Drawn: JJD
Checked: AJD

Project No:
241159

Contents:

HVAC DETAILS

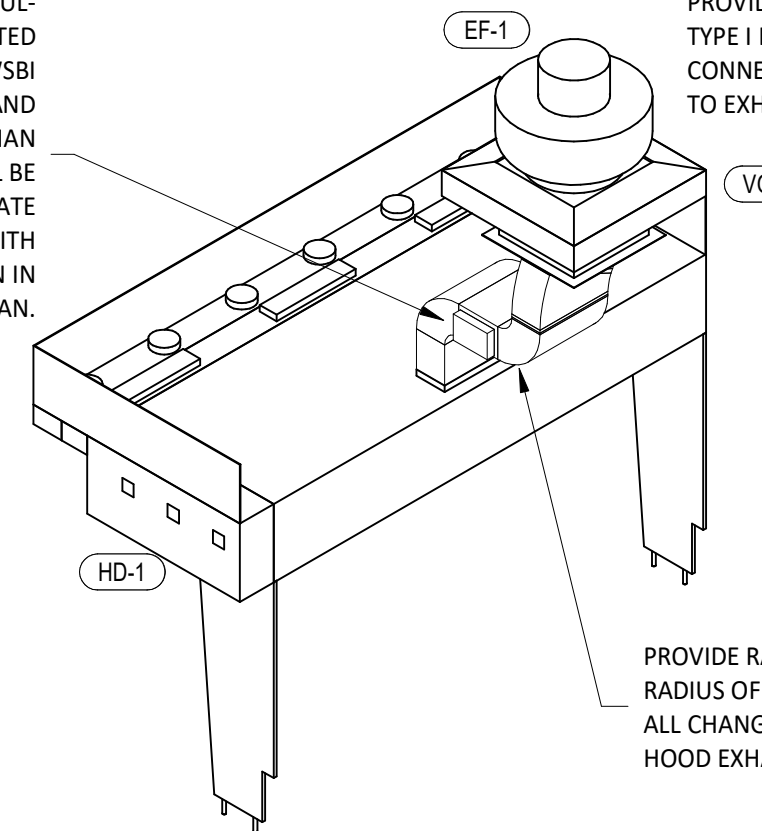
M700



NOTE:
1. INSULATION SHALL BE BOARD INSULATION - CERTANTEED CERTAPRO CB300, FSK FACED, 2" THICK, 3.0 PCF, K-VALUE = 0.23, R-VALUE = 8.7, VAPOR TRANSMISSION = 0.02 PERMS MAX. COMPLIES WITH ASTM C612 TYPE II, ASTM C1338 FUNGI RESISTANCE.

10 M700 EXTERIOR DUCT INSULATION DETAIL
NOT TO SCALE

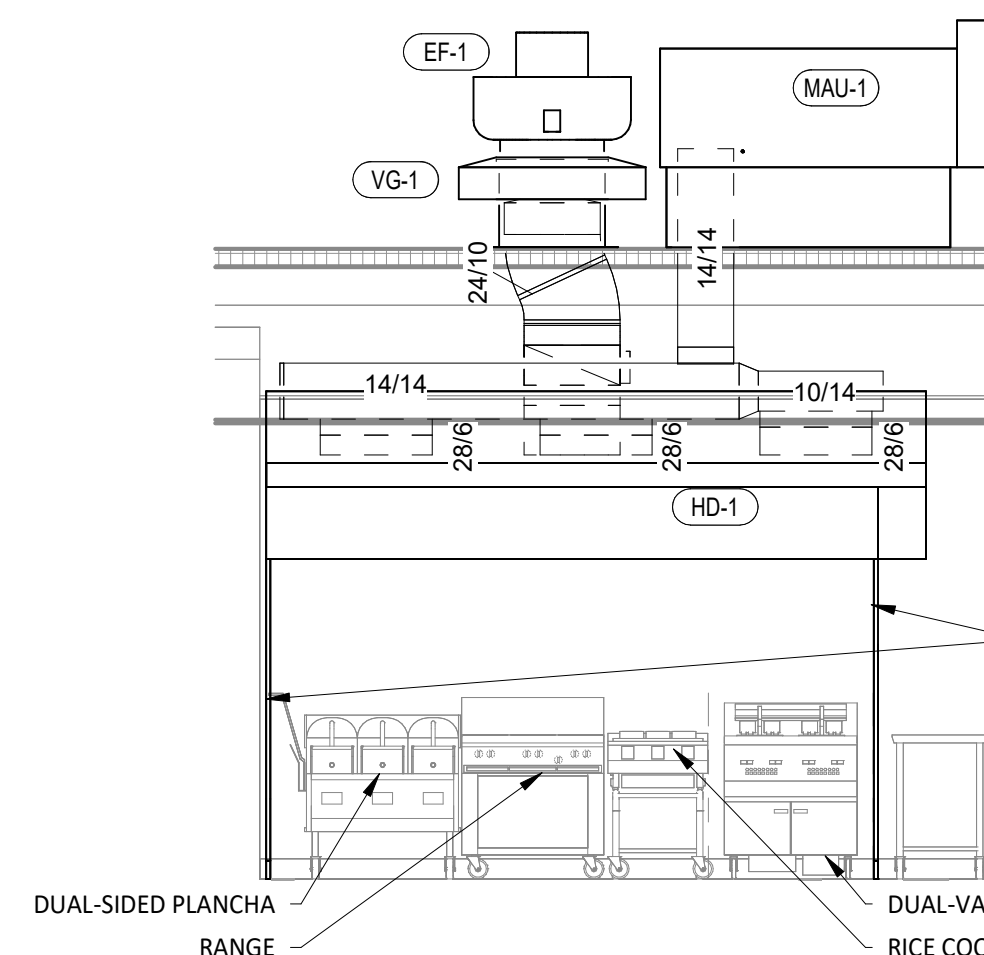
GREASE DUCT CLEANOUTS SHALL BE UL-LISTED DUCTMATE PREINSULATED CLEANOUT DOORS MODEL D128ULWSBI FOR DUCTS AT LEAST 17" TALL AND DW128ULWSBI FOR DUCTS LESS THAN 17" TALL. CLEANOUTS SHALL BE FURNISHED BY TENANT. COORDINATE NUMBER AND SIZE REQUIRED WITH ENVIROMATIC. INSTALL AS SHOWN IN THE HVAC FLOOR PLAN.



PROVIDE FIRE RESISTANT INSULATION ON TYPE I HOOD EXHAUST DUCT FROM CONNECTION TO HOOD TO CONNECTION TO EXHAUST FAN PER DETAIL 3/M700.

PROVIDE RADIUS ELBOWS WITH AN INSIDE RADIUS OF 0.5 X THE DUCT DIMENSION AT ALL CHANGES OF DIRECTION IN THE TYPE I HOOD EXHAUST DUCT.

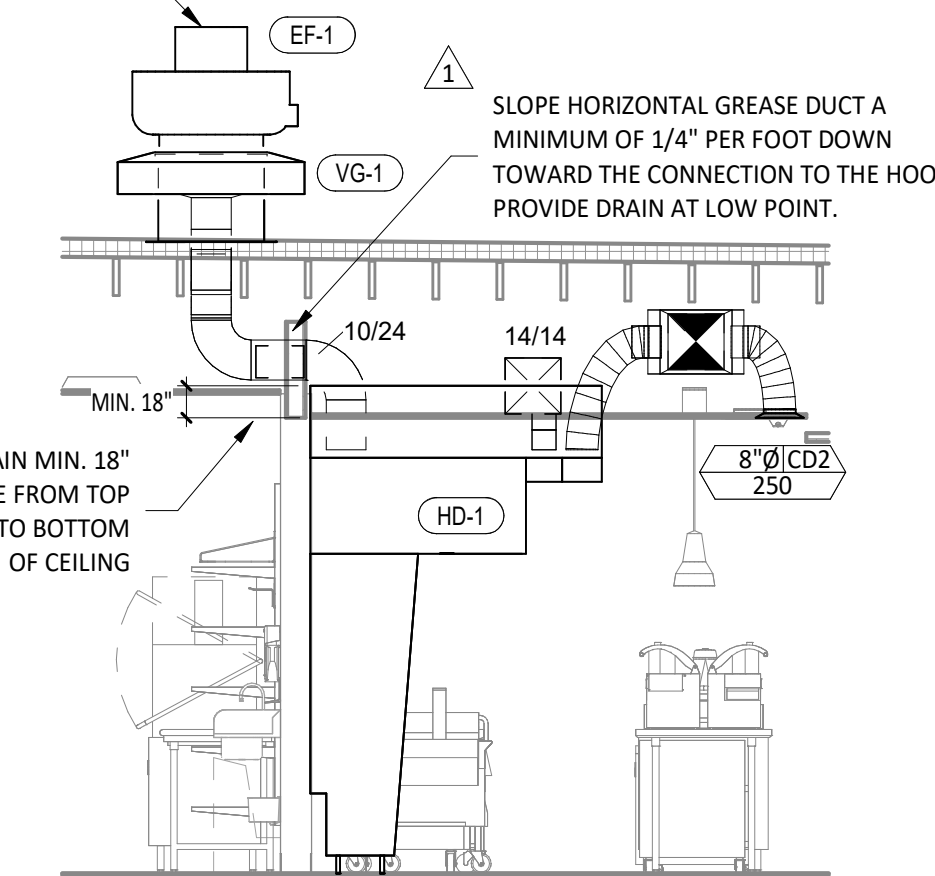
9 M700 HOOD EXHAUST ISOMETRIC
NOT TO SCALE



INSTALL VERTICAL END PANELS AT EACH END OF HOOD AS SHOWN. HOOD IS UL-LISTED FOR 0" OVERHANG WHEN USED WITH VERTICAL END PANELS.

8 M700 HOOD ELEVATION
1/4" = 1'-0"

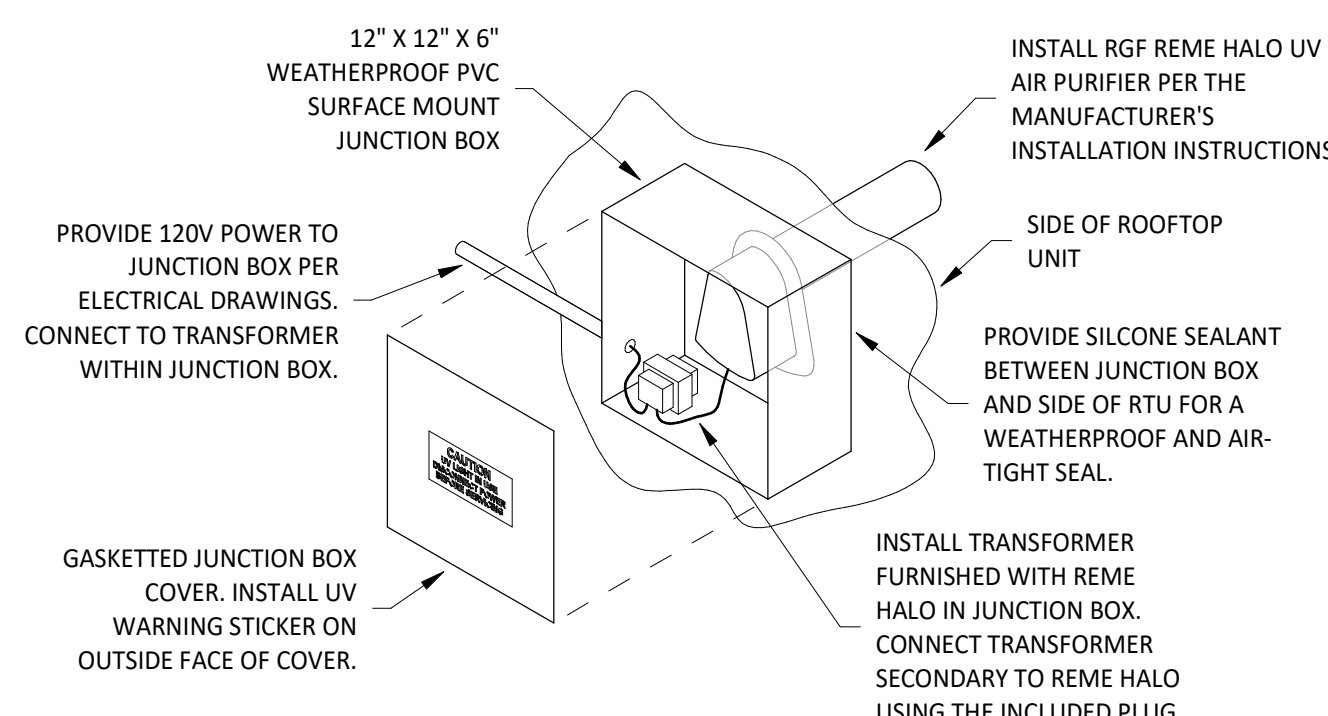
EXHAUST FAN TO DISCHARGE ABOVE PARAPET. PROVIDE EXTENSION RINGS AS NECESSARY.



SLOPE HORIZONTAL GREASE DUCT A MINIMUM OF 1/4" PER FOOT DOWN TOWARD THE CONNECTION TO THE HOOD. PROVIDE DRAIN AT LOW POINT.

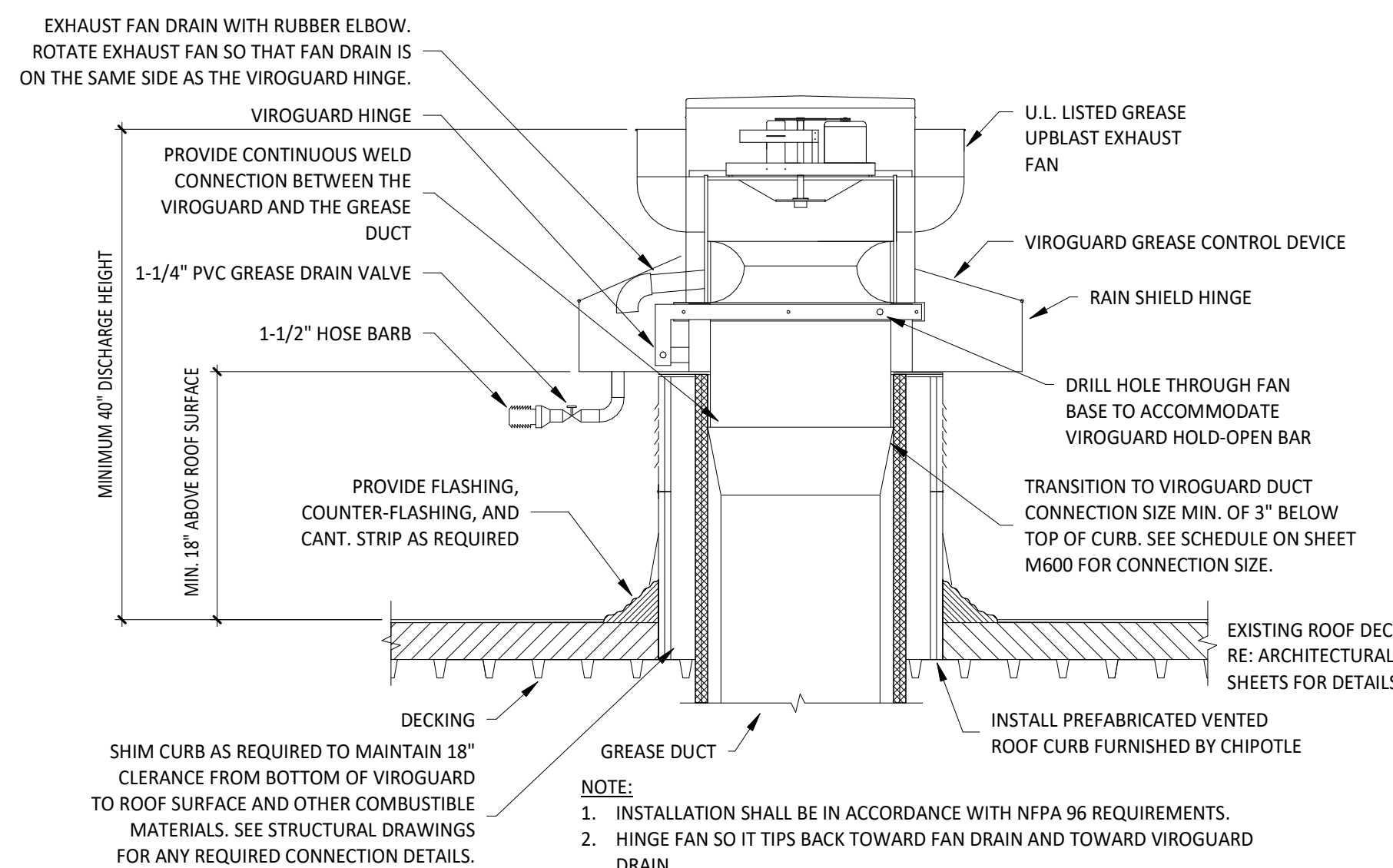
MAINTAIN MIN. 18" DISTANCE FROM TOP OF HOOD TO BOTTOM OF CEILING

7 M700 DUCT SECTION AT HOOD
1/4" = 1'-0"



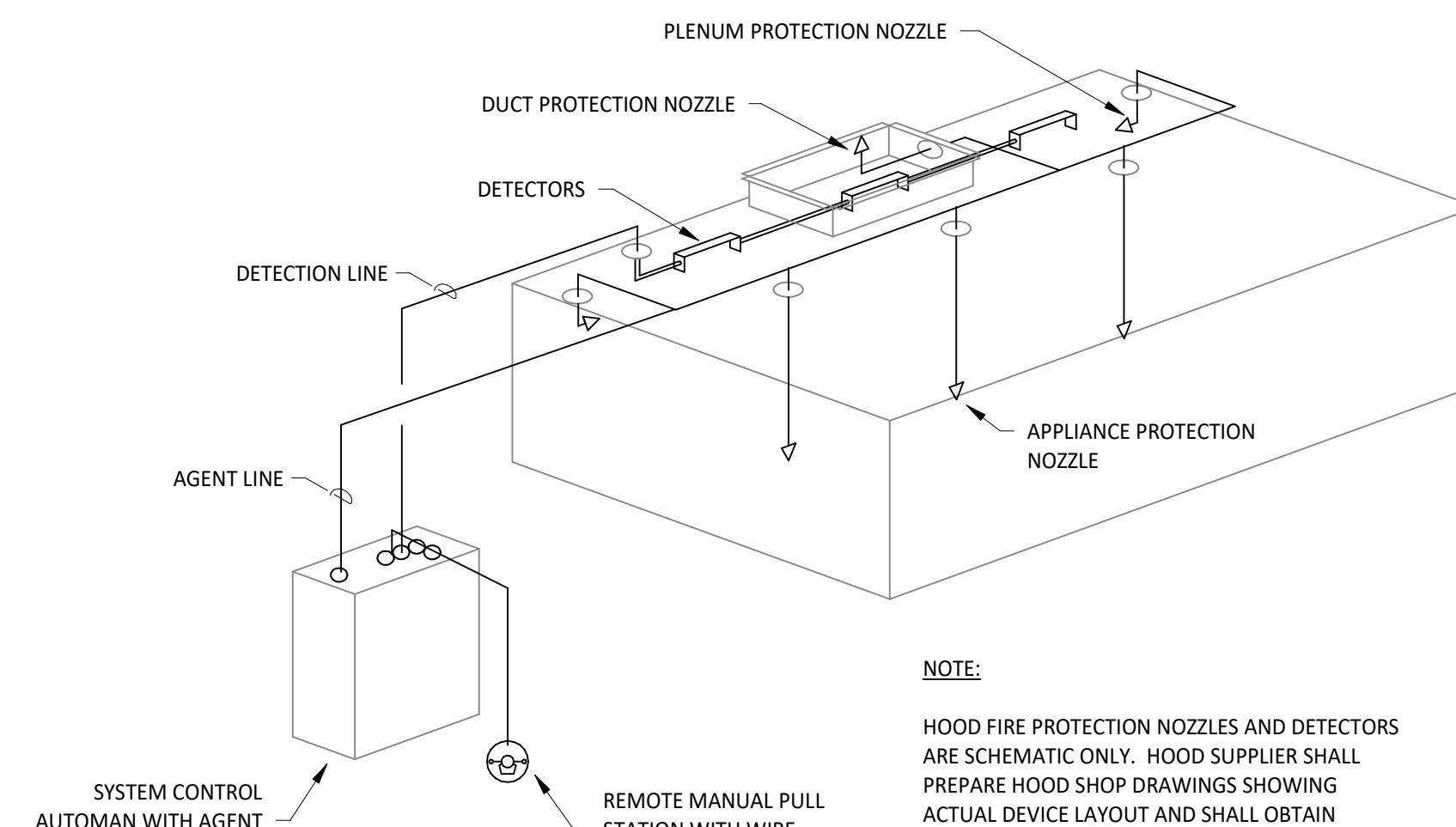
INSTALLATION LOCATION
INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF ROOFTOP UNIT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY RTU INTERIOR COMPONENTS. INSTALLATION LOCATION SHALL BE AS FOLLOWS:
TRANE: INSTALL INTO THE SUPPLY AIR STREAM THROUGH THE REMOVABLE PANEL COVERING THE HORIZONTAL DISCHARGE SUPPLY AIR OPENING.
CARRIER & YORK: INSTALL INTO THE SUPPLY AIR PLENUM FROM THE BACK SIDE OF THE UNIT JUST ABOVE THE HEAT EXCHANGER.

6 M700 UV AIR PURIFIER INSTALLATION
NOT TO SCALE



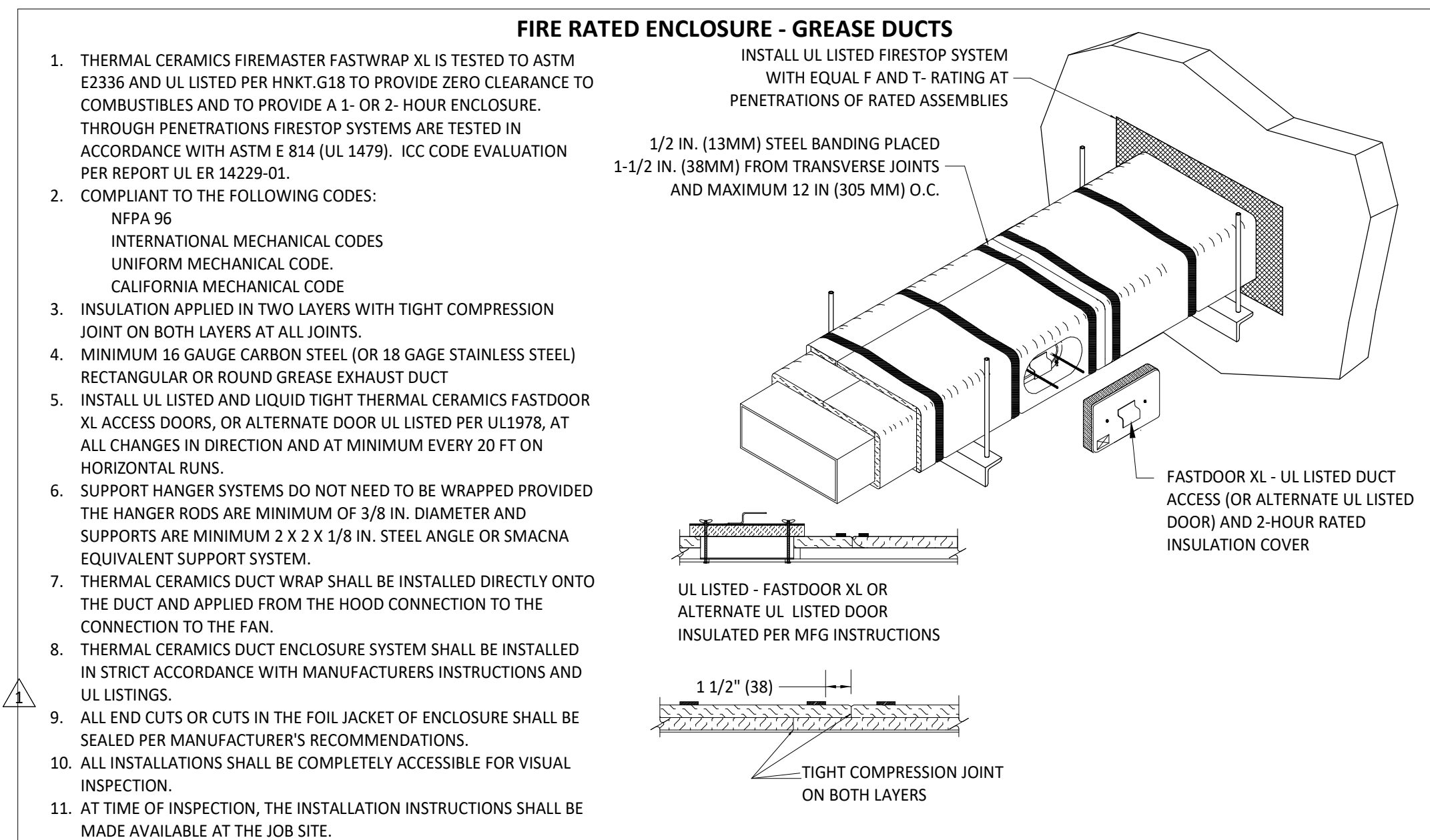
NOTE:
1. INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.
2. HINGE FAN SO IT TIPS BACK TOWARD FAN DRAIN AND TOWARD VIROGUARD DRAIN.

5 M700 GREASE EXHAUST FAN
NOT TO SCALE

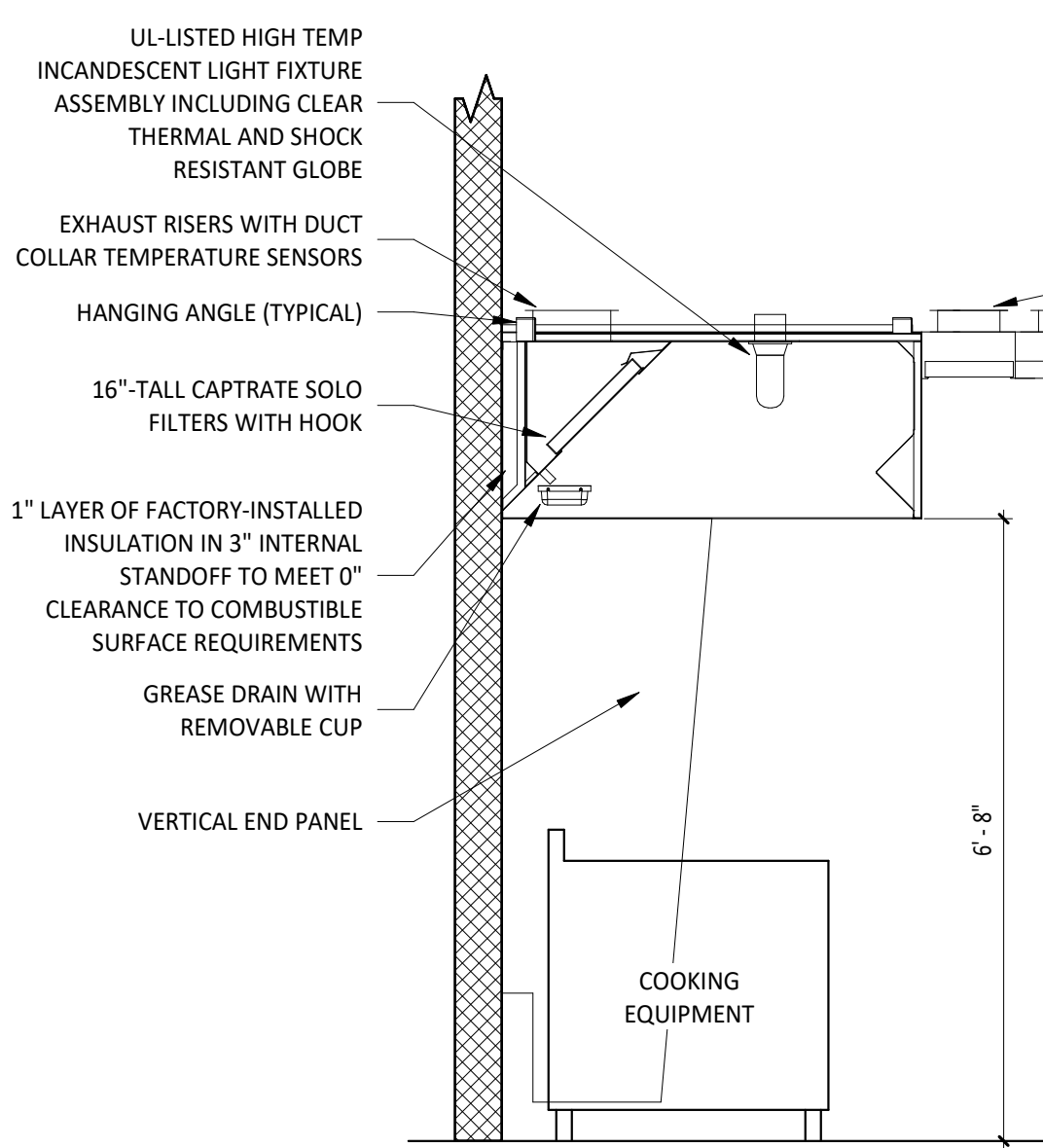


NOTE:
HOOD FIRE PROTECTION NOZZLES AND DETECTORS ARE SCHEMATIC ONLY. HOOD SUPPLIER SHALL PREPARE HOOD SHOP DRAWINGS SHOWING ACTUAL DEVICE LAYOUT AND SHALL OBTAIN PERMITS ASSOCIATED WITH THIS WORK.

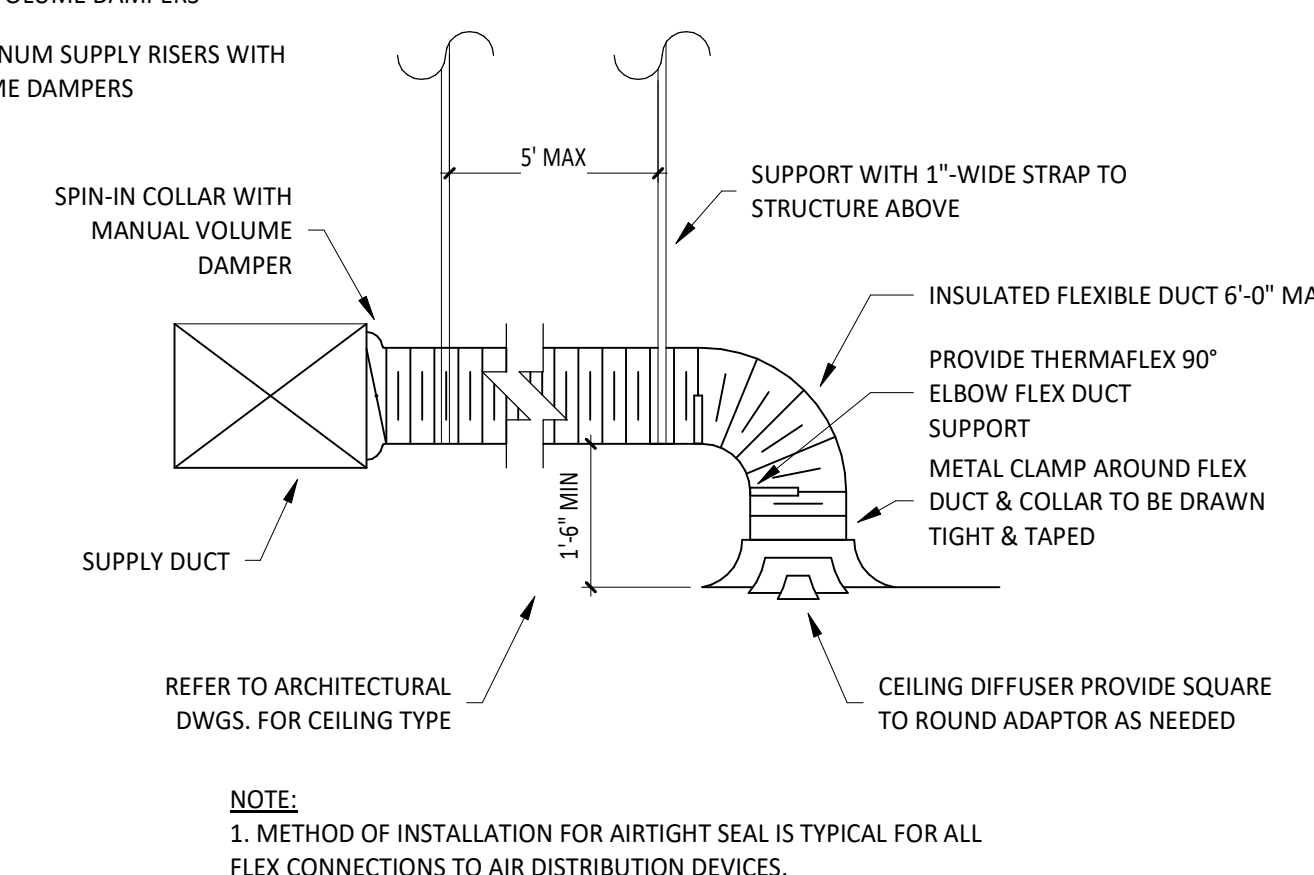
4 M700 FIRE SUPPRESSION SYSTEM SCHEMATIC
NOT TO SCALE



3 M700 FIREMASTER DUCT WRAP - UL HNKT-G18
NOT TO SCALE



2 M700 HOOD SECTION VIEW
NOT TO SCALE



1 M700 DIFFUSER CONNECTION
NOT TO SCALE

