

SECTION 23 00 00 - MECHANICAL GENERAL REQUIREMENTS

- PART 1 - GENERAL
1. THE TERM "TENANT," "TENANT'S CONSTRUCTION MANAGER," "OWNER," OR "OWNER'S CONSTRUCTION MANAGER" SHALL REFER TO SWEETGREEN.
2. THE TERM "FURNISH" MEANS TO SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.

- PART 2 - PRODUCTS
1. PRODUCTS SHALL BE AS DESCRIBED IN THE DRAWINGS AND AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM.

- PART 3 - EXECUTION
1. UNLESS DIMENSIONS HAVE BEEN PROVIDED, THE DRAWINGS ARE DIAGRAMMATIC IN NATURE, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND REQUIRED EQUIPMENT.
2. COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AS NECESSARY. PURCHASE PERMITS ASSOCIATED WITH THE WORK AND ARRANGE ALL INSPECTIONS AS REQUIRED.

(END OF SECTION 23 00 00)

SECTION 23 05 93 - TESTING, ADJUSTING AND BALANCING FOR HVAC

- PART 1 - GENERAL
1. QUALITY ASSURANCE: ALL TESTING AND BALANCING WORK SHALL BE COMPLETED BY AN INDEPENDENT CONTRACTOR AT THE GENERAL CONTRACTOR'S EXPENSE, CERTIFIED BY NEBB OR TABS AS A TABS TECHNICIAN. BALANCE THE SYSTEM IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS.

- PART 2 - PRODUCTS
1. AIR SYSTEMS
A. PROVIDE ALL LABOR AND MATERIALS REQUIRED TO BALANCE THE SYSTEM AS NOTED ON THE PLANS.
B. FAN SYSTEMS SHALL BE ADJUSTED SUCH THAT THE LOWEST FAN SPEED IS UTILIZED TO DELIVER THE REQUIRED CFM TO THE AIR TERMINALS.

- PART 3 - EXECUTION
1. INSTALLATION
A. INSULATION SHALL BE PROVIDED ON THE FOLLOWING DUCT SERVICES:
A. INDOOR, CONCEALED SUPPLY AND OUTDOOR AIR.
B. INDOOR, CONCEALED RETURN.

(END OF SECTION 23 05 93)

SECTION 23 07 13 - DUCT INSULATION

- PART 1 - GENERAL
1. INSULATION SHALL BE PROVIDED ON THE FOLLOWING DUCT SERVICES:
A. INDOOR, CONCEALED SUPPLY AND OUTDOOR AIR.
B. INDOOR, CONCEALED RETURN.
C. INDOOR, CONCEALED OVER AND WAREWASH EXHAUST FROM AIR TERMINAL TO PENETRATION OF BUILDING EXTERIOR.

- PART 2 - PRODUCTS
1. INTERIOR DUCTWORK SHALL HAVE FLEXIBLE FIBERGLASS DUCT WRAP LAMINATED TO FOIL REINFORCED KRAFT VAPOR BARRIER FACING WITH 2" STAPLING FLANGE AND AN INSTALLED THICKNESS OF 1-1/2" WITH AN R-VALUE OF 6.0.
2. EXTERIOR DUCTWORK SHALL BE INSULATED WITH 2" THICK RIGID INSULATION WITH A MINIMUM R-VALUE OF 12.0, PROTECTED WITH ROOFING MEMBRANE.

(END OF SECTION 23 07 13)

SECTION 23 31 13 - METAL DUCTS

- PART 1 - GENERAL
1. SECTION INCLUDES
A. RECTANGULAR DUCTS AND FITTINGS
B. ROUND DUCTS AND FITTINGS
C. DOUBLE-WALL DUCTWORK AND FITTINGS
D. FLAT-OVAL DUCTS AND FITTINGS

- PART 2 - PRODUCTS
1. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, THICKNESS AND DUCT CONSTRUCTION METHODS UNLESS NOTED OTHERWISE.
2. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE," CHAPTER 4 FOR STATIC-PRESSURE CLASS, APPLICABLE SEALING REQUIREMENTS, MATERIALS INVOLVED, DUCT SUPPORT INTERVALS AND OTHER PROVISIONS AS REQUIRED.

- PART 3 - EXECUTION
1. INSTALLATION
A. DRAWING PLANS, SCHEMATICS AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCTWORK ROUTING. COORDINATE INSTALLATION WITH WORK OF ALL OTHER TRADES AND EXISTING CONDITIONS. ACCOMMODATE DUCT HANGER, RODS, INSULATION AND OTHER REQUIREMENTS AS REQUIRED.

(END OF SECTION 23 31 13)

SECTION 23 33 00 - AIR DUCT ACCESSORIES

- PART 1 - GENERAL
1. SECTION INCLUDES
A. BACKDRAFT AND PRESSURE RELIEF DAMPERS
B. MANUAL VOLUME DAMPERS
C. CONTROL DAMPERS
D. FIRE DAMPERS
E. TURNING VANES
F. FLEXIBLE CONNECTORS
G. DUCT ACCESSORY HARDWARE

- PART 2 - PRODUCTS
1. COMPLY WITH NFPA 90A AND WITH NFPA 90B.
2. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, THICKNESS AND DUCT CONSTRUCTION METHODS UNLESS NOTED OTHERWISE. SHEET METAL MATERIALS SHALL BE FREE FROM PITTING, SEAM MARKS, ROLLER MARKS, STAINS, DISCOLORATIONS AND OTHER IMPERFECTIONS.

(END OF SECTION 23 33 00)

SECTION 23 33 46 - FLEXIBLE DUCTS

- PART 1 - GENERAL
1. SECTION REQUIREMENTS
A. SUBMITTALS: NONE REQUIRED.
PART 2 - PRODUCTS
1. COMPLY WITH NFPA 90A AND NFPA 90B.
2. COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" FOR ACCEPTABLE MATERIALS, MATERIAL THICKNESS AND DUCT CONSTRUCTION METHODS UNLESS NOTED OTHERWISE.

- PART 3 - EXECUTION
1. INSTALLATION
A. INSTALL FLEXIBLE DUCTS ACCORDING TO APPLICABLE DETAILS IN SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE."
B. CONNECT IN INDOOR APPLICATIONS ONLY. FLEXIBLE DUCTWORK IS ONLY PERMITTED TO CONNECT TO SUPPLY-AIR GRILLES, REGISTERS AND DIFFUSERS. MAXIMUM LENGTH SHALL BE 60 INCHES.

(END OF SECTION 23 33 46)

SECTION 23 34 00 - SQUARE INLINE FANS

- PART 1 - GENERAL
1. SECTION REQUIREMENTS
A. SUBMITTALS: PROVIDE SHOP DRAWINGS INDICATING THE DIMENSIONS, WEIGHTS, REQUIRED CLEARANCES, COMPONENTS, ELECTRICAL CHARACTERISTICS, CFM, STATIC PRESSURE AND FAN CURVE.
B. WARRANTY: SUBMIT A WRITTEN WARRANTY, SIGNED BY THE MANUFACTURER AGREEING TO REPAIR OR REPLACE COMPONENTS OF FANS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN THE MANUFACTURER'S STANDARD WARRANTY PERIOD.

- PART 2 - PRODUCTS
1. DESCRIPTION
A. INLINE TYPE FAN WITH SQUARE INLET AND OUTLET DESIGNED FOR FLOOR-MOUNTING OR HUNG INSTALLATIONS IN-LINE WITH DUCTWORK WITH CENTRIFUGAL OR MIXED-FLOW FAN CHARACTERISTICS.
2. MANUFACTURERS: AS NOTED IN THE MECHANICAL SCHEDULES. NO SUBSTITUTIONS SHALL BE PERMITTED.

(END OF SECTION 23 34 00)

SECTION 23 37 13 - GRILLES, REGISTERS & DIFFUSERS

- PART 1 - GENERAL
1. SECTION REQUIREMENTS
A. SUBMITTALS: NONE REQUIRED.
PART 2 - PRODUCTS
1. GRILLES, MANUFACTURER, MODEL, MATERIAL, FINISH, MOUNTING AND ACCESSORIES SHALL BE AS NOTED IN THE MECHANICAL SCHEDULES. NO SUBSTITUTIONS SHALL BE PERMITTED.

- PART 3 - EXECUTION
1. INSTALLATION
A. INSTALL GRILLES, REGISTERS & DIFFUSERS LEVEL AND PLUMB.
B. INSTALL GRILLES, REGISTERS & DIFFUSERS AS INDICATED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION.

(END OF SECTION 23 37 13)

SECTION 23 90 00 - LOUVERS

- PART 1 - GENERAL
1. SECTION INCLUDES
A. EXTRUDED ALUMINUM LOUVERS
2. PERFORMANCE REQUIREMENTS
A. UL CLASSIFIED FOR WIND RESISTANT BUILDING COMPONENTS IN ACCORDANCE WITH ASTM E330-02 FOR 1- F5F WINDLOAD.
B. LOUVERS SHALL BEAR THE AMCA CERTIFIED RATINGS SEAL, LISTED FOR BASE PROTECTION.
3. SECTION REQUIREMENTS
A. SUBMITTALS: PROVIDE SHOP DRAWINGS INDICATING SIZE, FACE AREA, FREE AREA, AIRFLOW, PRESSURE DROP, MATERIAL, FINISH AND FINISHED ACCESSORIES.

- PART 3 - EXECUTION
1. INSTALLATION
A. INSPECT AREAS TO RECEIVE LOUVERS. NOTIFY THE ARCHITECT OF CONDITIONS THAT WOULD ADVERSELY AFFECT THE INSTALLATION OR UTILIZATION OF THE LOUVERS.
B. CLEAN OPENING THOROUGHLY PRIOR TO INSTALLATION AND PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER.

(END OF SECTION 23 90 00)

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LOS ANGELES, CALIFORNIA 90018

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ENGINEER OF RECORD:
NATIONAL ENGINEERING
NATIONAL ENGINEERING
4635 TRUENAM BOULEVARD
SUITE 250
HILLIARD, OH 43026
614-751-9610

STAMP:
FOR CONSTRUCTION

PROJECT INFORMATION:
BURLINGAME
PROJECT INFORMATION:
235 LORTON AVENUE
BURLINGAME, CA 94010

Table with 2 columns: Field (DRAWN BY, CHECKED BY, etc.) and Value (BRW, JAE, etc.)

Table with 3 columns: Field (REV., DATE, DESCRIPTION) and Value

MECHANICAL SPECIFICATIONS

M010

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: sweetgreen - Burlingame Report Page: (Page 3 of 8)
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G. PUMPS

This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS

This section does not apply to this project.

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)(4), 170.2(c)(4) or requirements in 141.0(b)(2), 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 (ft ²)	Thermostats 110.2(b) & (c), 120.2(a) 160.3(a)(2) or 141.0(b)(2)E & 180.2(b)(2)	Shut-Off Controls 120.2(e) & 160.3(a)(2)D	Isolation Zone Controls 120.2(g) & 160.3(a)(2)F	Demand Response 110.12 120.2(b) & 160.3(a)(2)B	Supply Air Temp. Reset 140.4(f) & 170.2(c)(4)D	Window Interlocks per 140.4(n) & 170.2(c)(4)D	Direct Digital Control (DDC) per 120.2
AHU-1 / AHU-2	Single zone	<= 25,000 ft ²	Setback + DR Tstat per 110.12	NA: 7 day per 120.2(e)1	NA: Serves < 25k ft ²	DR Tstat per 110.12	NA: Single Zone	NA: Auto-closing doors	NA: Single Zone

¹FOOTNOTES: 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 table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)(3) 140.4(b) and 140.4(a) for all nonresidential and hotel/motel and 124.4(e)(1)(i) 160.2, 160.3(a)(3D), 170.2(a)(4)N, 170.2(a)(4)O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet.

01	02	03
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)(2).

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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-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.	
NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes". If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".	AHU-1 / AHU-2

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

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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(k), 170.2(c)(4)	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(i), 170.2(c)(4)B	AND	Distribution 120.3, 140.4(i), 160.2, 160.3	AND	Cooling Towers 110.2(e)(2)	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)								COMPLIES with Exceptional Conditions
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. The permit applicant has indicated on Table J that ventilation calculations have been attached or included elsewhere on the plans.

E. ADDITIONAL REMARKS

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

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

This section does not apply to this project.

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L. DISTRIBUTION (DUCTWORK AND PIPING)

01	02	03	04
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 NA.2.	---
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-6	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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CERTIFICATE OF COMPLIANCE NRCC-MCH-E
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Project Address: 235 Lorton Avenue, Burlingame, CA 94010
Date Prepared: 2024-12-22T09:16:32-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Joshua Everett	Documentation Author Signature:
Company: Everj Engineering, Inc.	Signature Date: 12/22/2024
Address: 4635 Trueman Blvd, Suite 250	CEA/HERS Certification Identification (if applicable):
City/State/Zip: Hilliard / OH / 43026	Phone: 614-751-9610

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: Joshua Everett	Responsible Designer Signature:
Company: Everj Engineering, Inc.	Date Signed: 12/22/2024
Address: 4635 Trueman Blvd, Suite 250	License: 40567
City/State/Zip: Hilliard / OH / 43026	Phone: 614-751-9610

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STATE OF CALIFORNIA
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This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)(2) for alterations.
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A. GENERAL INFORMATION

01	02	03	04	05	06
Project Location (city)	Burlingame	Total Conditioned Floor Area	2110	Climate Zone	3
Occupancy Types Within Project:		Total Unconditioned Floor Area	0	# 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 type="checkbox"/> Heating Air System	<input type="checkbox"/> Water Economizer	<input type="checkbox"/> Air Economizer
<input type="checkbox"/> Cooling Air System	<input type="checkbox"/> Pumps	<input type="checkbox"/> Electric Resistance Heat
Mechanical Controls	<input type="checkbox"/> System Piping	<input type="checkbox"/> Fan Systems
<input checked="" 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 checked="" type="checkbox"/> Ventilation
	<input type="checkbox"/> Boilers	<input type="checkbox"/> Zonal Systems/ Terminal Boxes

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

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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	03	04
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	No	Plan sheet or construction document location	
Mandatory Measure		Plan sheet or construction document location	
Duct Insulation per 120.4		M010	
The air duct and plenum system is designed per 120.4(a)-(f)		M010	
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2		N/A	

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LOS ANGELES, CALIFORNIA 90018

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ENGINEER OF RECORD:



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HILLIARD, OH 43026
614-751-9610

STAMP:

FOR CONSTRUCTION

PROJECT INFORMATION:
BURLINGAME

PROJECT INFORMATION:
**235 LORTON AVENUE
BURLINGAME, CA 94010**

DRAWN BY: Author
CHECKED BY: Checker
PROJECT MANAGER: JAE
SG DESIGN MANAGER: AS
SG CONSTR. MANAGER: XX
PROJECT NO: 2401206
TEMPLATE VERSION: 12/31/2023

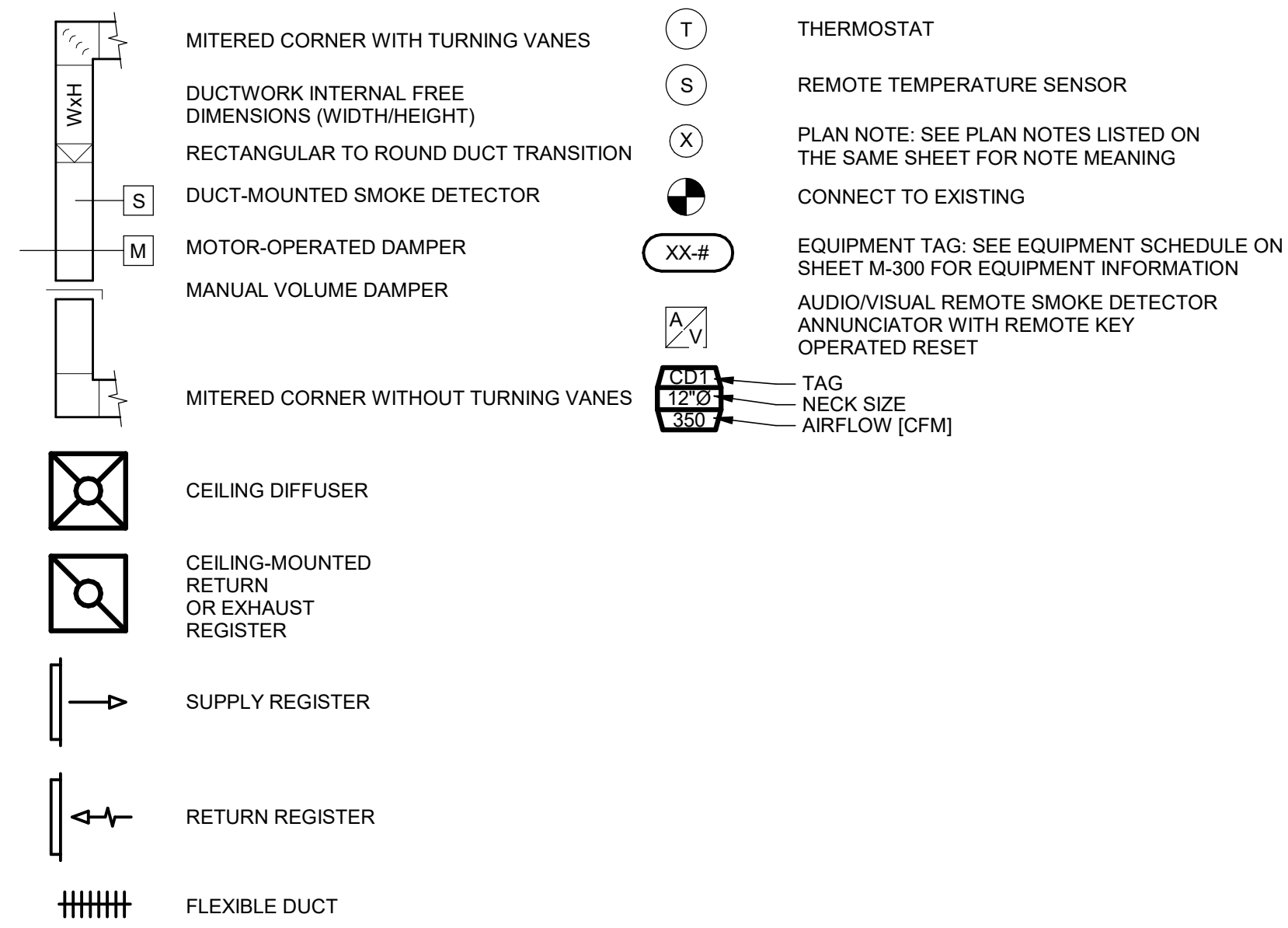
REVISIONS
REV. DATE DESCRIPTION

**TITLE 24
CALCULATIONS**

M020

SYMBOLS & ABBREVIATIONS

HVAC SYMBOLS



HVAC ABBREVIATIONS

(E)	EXISTING
(R)	RELOCATED
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BC	BLOWER COIL
CD	CEILING DIFFUSER
CU	CONDENSING UNIT
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER
EXTG	EXISTING
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
OBD	BLADE DAMPER
PL	PLENUM
RG	RETURN GRILLE
RTU	ROOFTOP UNIT
SD	SLOT DIFFUSER
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
VSC	VARIABLE SPEED CONTROL
WSHP	WATER SOURCE HEAT PUMP

CODED NOTES

- INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTION AND PER THE STRUCTURAL DETAILS.
- COORDINATE MOUNTING LOCATION FOR WALK-IN COOLER CONDENSING UNIT, CU-2 IN THE PARKING GARAGE ADJACENT TO THE SPACE, WITH THE KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. REFER TO SHEET A000 FOR EXACT LOCATION. PROVIDE ALL HANGING SUPPORTS WITH THE KITCHEN EQUIPMENT SUPPLIER AS REQUIRED AND PER THE STRUCTURAL DETAILS. ENSURE ALL CLEARANCE REQUIREMENTS FOR THE UNIT ARE MAINTAINED THROUGH CONSTRUCTION. KITCHEN EQUIPMENT SUPPLIER SHALL PROVIDE LINESET, SPECIALTIES AND MAKE ALL FINAL CONNECTIONS BETWEEN THE CONDENSING UNIT AND EVAPORATOR COIL. PROVIDE ALL PENETRATIONS INTO / OUT OF THE SPACE AS NECESSARY. COORDINATE EXACT LOCATION WITH THE LANDLORD AND KITCHEN EQUIPMENT SUPPLIER AS NECESSARY.
- PROVIDE SUPPLY DIFFUSER CONNECTION PER DETAIL 1/SHEET 500.
- REFER TO THE ARCHITECTURAL RCP FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- PROVIDE AUDIOVISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- PROVIDE CONTROLLERS COMPATIBLE WITH THE LANDLORD PROVIDED EQUIPMENT. COORDINATE EXACT MAKE/MODEL WITH EQUIPMENT MANUFACTURER, AND LANDLORD PRIOR TO ROUGH-IN.
- PROVIDE A TEMPERATURE SENSOR FOR THE HVAC EQUIPMENT NOTED (PROVIDED BY LANDLORD UNDER A SEPARATE PERMIT) AT THIS LOCATION AT 5'-0" AFF. COORDINATE LOCATION WITH EQUIPMENT AND WALL-MOUNTED FIXTURES AS REQUIRED SUCH THAT THE SENSOR IS NOT BLOCKED. COORDINATE WITH THE EQUIPMENT MANUFACTURER AS NECESSARY.
- INSTALL THE AIR HANDLING UNIT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, PER DETAIL 2/M500 AND PER THE STRUCTURAL DETAILS. PROVIDE LINESET FROM THE BRANCH CONTROLLER AND CONNECT TO THE EQUIPMENT. PROVIDE REFRIGERANT CHARGE PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- THE GENERAL CONTRACTOR SHALL FURNISH A REMEDIAL AIR PURIFICATION SYSTEM AND REQUIRED TRANSFORMER, PURCHASED THROUGH SWEETGREEN'S VENDOR (NATIONAL TAB, CONTACT WILL TURNBOUGH [855-682-6822, EXT 4.2] [WILL@NATIONALTAB.COM]) AND INSTALL SYSTEM IN THE SUPPLY AIR DUCTWORK AND PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ADJUST AS REQUIRED FOR THE SUPPLY AIRFLOW.
- MOTORIZED DAMPER. REFER TO THE SEQUENCE OF OPERATIONS FOR MORE INFORMATION.
- THE GENERAL CONTRACTOR SHALL PROVIDE A DUCT-MOUNTED SMOKE DETECTOR IN THE SUPPLY AIR STREAM. UPON DETECTION OF SMOKE, THE SUPPLY AIR FAN SHALL DE-ENERGIZE. COORDINATE ALL REQUIREMENTS WITH THE LANDLORD AND ALARM PROVIDER.
- MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE ZONES. NO DUCTWORK, PIPING, CONDUIT OR OTHER SYSTEMS SHALL BE PERMITTED IN THIS AREA. COORDINATE WITH SITE CONDITIONS AND WORK OF OTHER TRADES AS REQUIRED. TYPICAL.
- PAINT ALL DUCTWORK VISIBLE THROUGH THE GRILLES IN THE DINING AREA BLACK. TYPICAL.
- CONNECT TO THE EXISTING EXHAUST DUCTWORK IN THIS AREA. FIELD-VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE AN ACCESS PANEL TO MAINTAIN AND ACCESS MOTORIZED DAMPERS IN THIS AREA. COORDINATE REQUIREMENTS WITH ARCHITECTURAL PLANS AND SITE CONDITIONS AS NECESSARY.
- EXISTING VRF CONDENSING UNIT ON ROOF. PROVIDED BY THE LANDLORD UNDER A SEPARATE PERMIT TO REMAIN. ALL CONDENSING LINESET BETWEEN THIS UNIT AND THE BRANCH CONTROLLER IN THE SPACE SHALL BE EXISTING TO REMAIN. FIELD-VERIFY ALL EXISTING CONDITIONS AT START OF WORK.
- INSTALL THE BRANCH CONTROLLER IN THE LOCATION SHOWN, PER THE STRUCTURAL DETAILS AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. EXTEND EXISTING LINESET FROM ROOFTOP EQUIPMENT TO THE UNIT AND PROVIDE REFRIGERANT CHARGE PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIELD-VERIFY ALL EXISTING CONDITIONS AT START OF WORK.
- EXISTING TEMPERED VENTILATION AIR DUCTWORK, PROVIDING 600 CFM OF AIRFLOW, SUPPLIED BY ERV 1-2, PROVIDED BY THE LANDLORD UNDER A SEPARATE PERMIT TO REMAIN. FIELD-VERIFY EXACT LOCATION. CONNECT AS SHOWN.
- EXISTING TEMPERED EXHAUST AIR DUCTWORK, PROVIDING 600 CFM OF AIRFLOW, SUPPLIED BY ERV 1-2, PROVIDED BY THE LANDLORD UNDER A SEPARATE PERMIT TO REMAIN. FIELD-VERIFY EXACT LOCATION. CONNECT AS SHOWN.
- INSTALL THE DIFFUSER AND FLEXIBLE DUCTWORK SO THAT WHEN THE DIFFUSER IS REMOVED, COMPLETE ACCESS TO THE EQUIPMENT'S WORKING AREA IS MAINTAINED.
- PROVIDE CABLE-OPERATED DAMPER FOR DAMPER IN THE VENTILATION AIR DUCTWORK. COORDINATE DAMPER CONTROLLER LOCATION WITH THE TENANT'S CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.
- PROVIDE AN ACCESS PANEL TO MAINTAIN SERVICE FOR THE PURIFIER AND THE SMOKE DETECTOR. COORDINATE EXACT LOCATION WITH THE TENANT'S CONSTRUCTION MANAGER PRIOR TO ROUGH-IN.
- EXISTING DUCTWORK SERVING THE ADJACENT TENANT TO REMAIN. FIELD-VERIFY EXACT LOCATION.
- CONNECT TO THE EXISTING 20" BLACK IRON EXHAUST DUCT IN THE AREA OVER TOP OF THE WALK-IN COOLER. FIELD-VERIFY EXACT LOCATION.
- AT ROOF LEVEL, EXTEND THE VENTILATION-AIR DUCTWORK A MINIMUM OF 10'-0" FROM ALL EXHAUST OPENINGS. TERMINATE DUCTWORK WITH A GOOSENECK AND BIRDSCREEN AND A MINIMUM OF 18" ABOVE THE ROOF SURFACE.



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ENGINEER OF RECORD:



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614-751-9610

STAMP:

FOR CONSTRUCTION

PROJECT INFORMATION:
BURLINGAME

PROJECT INFORMATION:
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BURLINGAME, CA 94010**

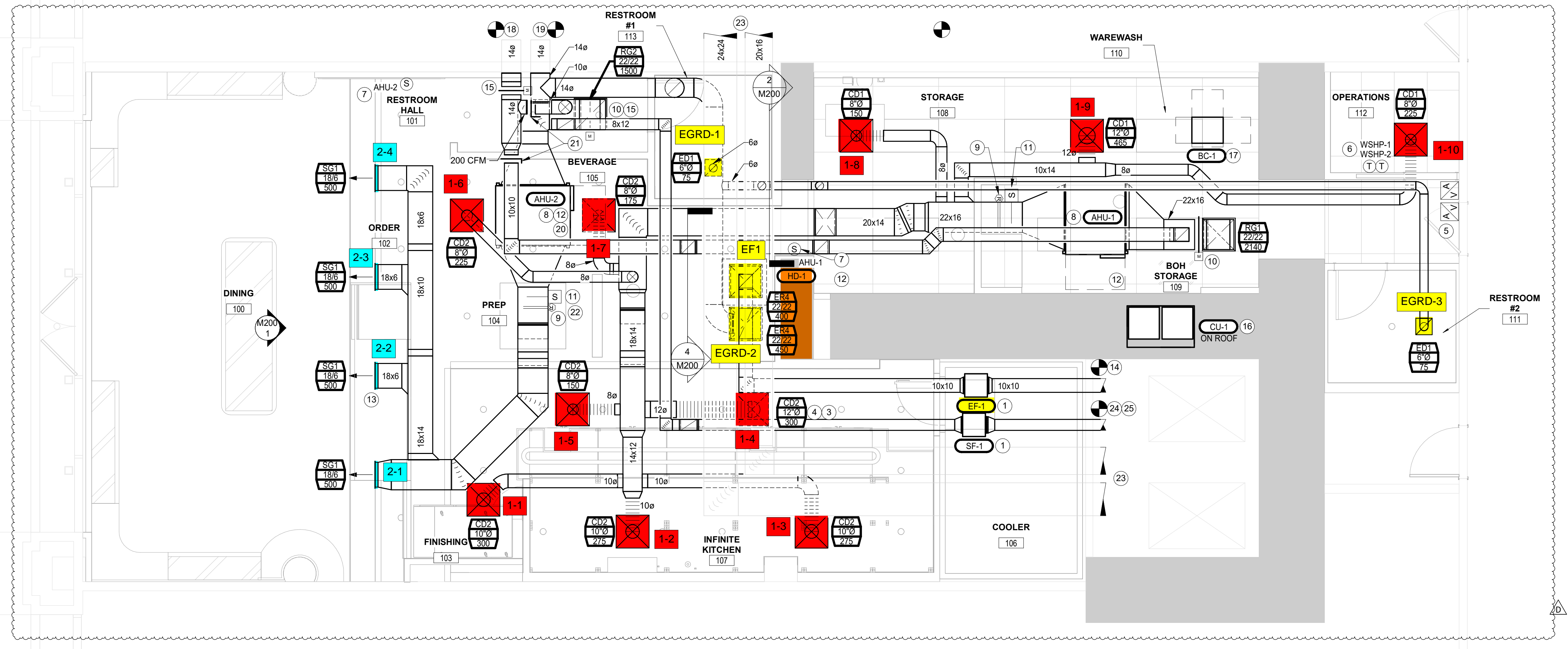
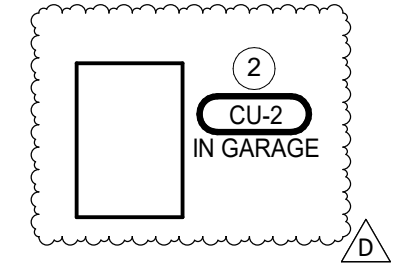
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CHECKED BY: JAE
PROJECT MANAGER: JAE
SG DESIGN MANAGER: AS
SG CONSTR. MANAGER: XX
PROJECT NO: 2401206
TEMPLATE VERSION: 12/31/2023

REVISIONS
REV. DATE DESCRIPTION
D 04/25/2025 OWNER REVISIONS

HVAC PLAN

M100

AHU-2
300 OA CFM comes from SF-1
200 OA CFM comes from existing unit



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

SYMBOLS & ABBREVIATIONS

HVAC PIPING SYMBOLS

- ELBOW UP
- ELBOW DOWN
- CWS CONDENSER WATER SUPPLY
- CWR CONDENSER WATER RETURN
- CHWS CHILLED WATER SUPPLY
- CHWR CHILLED WATER RETURN
- HWS HOT WATER SUPPLY
- HWR HOT WATER RETURN
- CD - CONDENSATE DRAIN
- PLAN NOTE: SEE KEYNOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
- CONNECT TO EXISTING
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER
- EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET M-300 FOR EQUIPMENT INFORMATION
- VALVE
- SOLENOID-OPERATED VALVE
- CHECK VALVE
- CIRCUIT-SETTER BALANCE VALVE RATED FOR POTABLE WATER
- BTU METER

HVAC ABBREVIATIONS

- (E) EXISTING
- (R) RELOCATED
- AFG ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHU AIR HANDLING UNIT
- BC BLOWER COIL
- CD CEILING DIFFUSER
- CU CONDENSING UNIT
- EF EXHAUST FAN
- EG EXHAUST GRILLE
- ER EXHAUST REGISTER
- EXTG EXISTING
- GC GENERAL CONTRACTOR
- HES TENANT'S HVAC EQUIPMENT SUPPLIER
- KES TENANT'S KITCHEN EQUIPMENT SUPPLIER
- OBD BLADE DAMPER
- PL PLENUM
- RG RETURN GRILLE
- RTU ROOFTOP UNIT
- SD SLOT DIFFUSER
- SG SUPPLY GRILLE
- SR SUPPLY REGISTER
- VSC VARIABLE SPEED CONTROL
- WSHP WATER SOURCE HEAT PUMP

CODED NOTES

- 1 PROVIDE CONDENSATE DRAIN FROM THE AIR HANDLING UNIT AS SHOWN, PER DETAIL 2/SHEET M500 AND PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE INDIRECT DRAIN PER DETAIL 5/SHEET P500. ALL DRAIN PIPING SHALL BE CONCEALED ABOVE CEILINGS AND WITHIN FRAMED WALLS UNLESS OTHERWISE NOTED.
- 2 REFER TO SANITARY WASTE AND VENT PLAN FOR WALK-IN COOLER CONDENSATE DRAIN ROUTING.
- 3 PROVIDE CLEANOUTS IN THE DRAIN LINE AS SHOWN AND AS REQUIRED TO PERMIT THE CLEARING OF BLOCKAGES AND FOR MAINTENANCE WITHOUT REQUIRING THE DRAIN LINE TO BE CUT. COORDINATE ACCESS PANELS AND ALL OTHER REQUIREMENTS WITH SITE CONDITIONS AS REQUIRED, TYPICAL.



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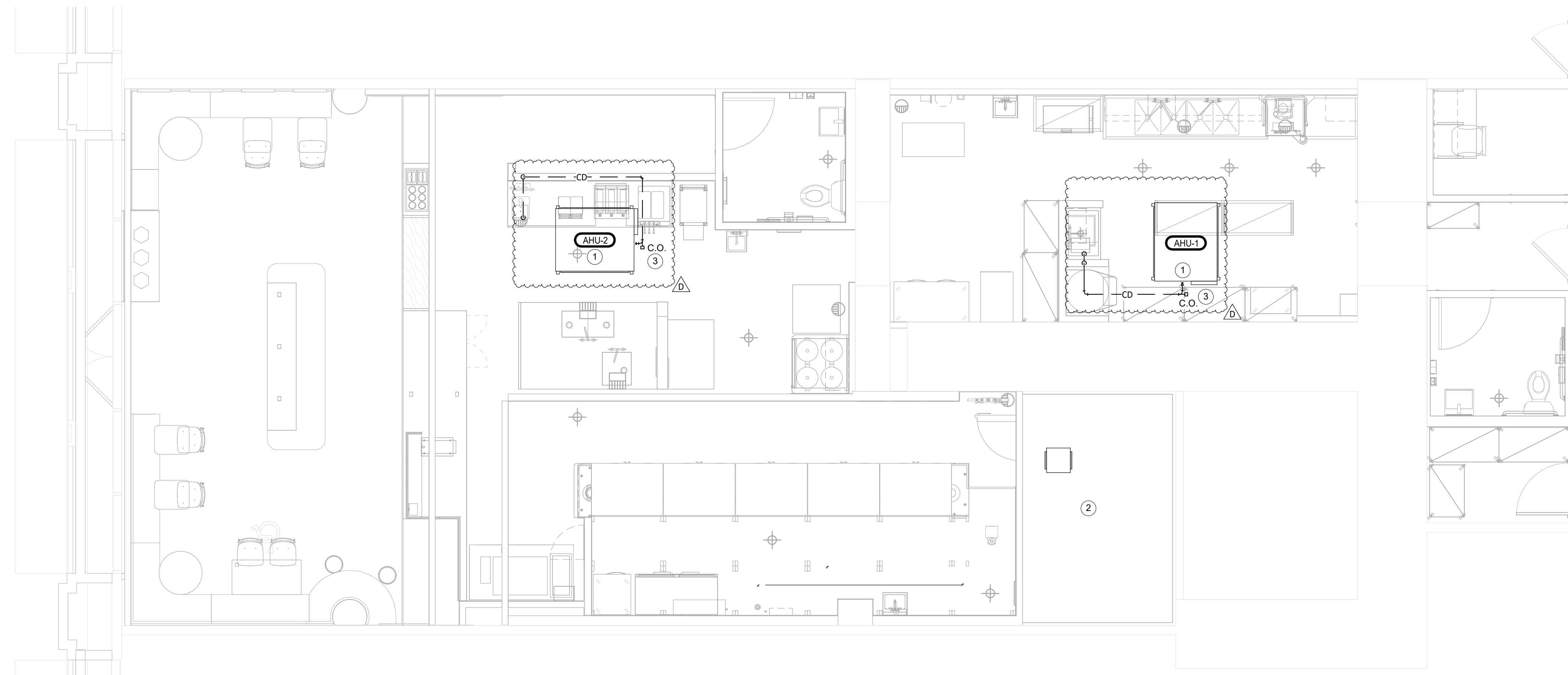
PROJECT INFORMATION:
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BURLINGAME, CA 94010**

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SG CONSTR. MANAGER: XX
PROJECT NO: 2401206
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REV.	DATE	DESCRIPTION
D	04/25/2025	OWNER REVISIONS

HVAC PIPING PLAN

M110



1 HVAC PIPING PLAN
1/4" = 1'-0"
NORTH



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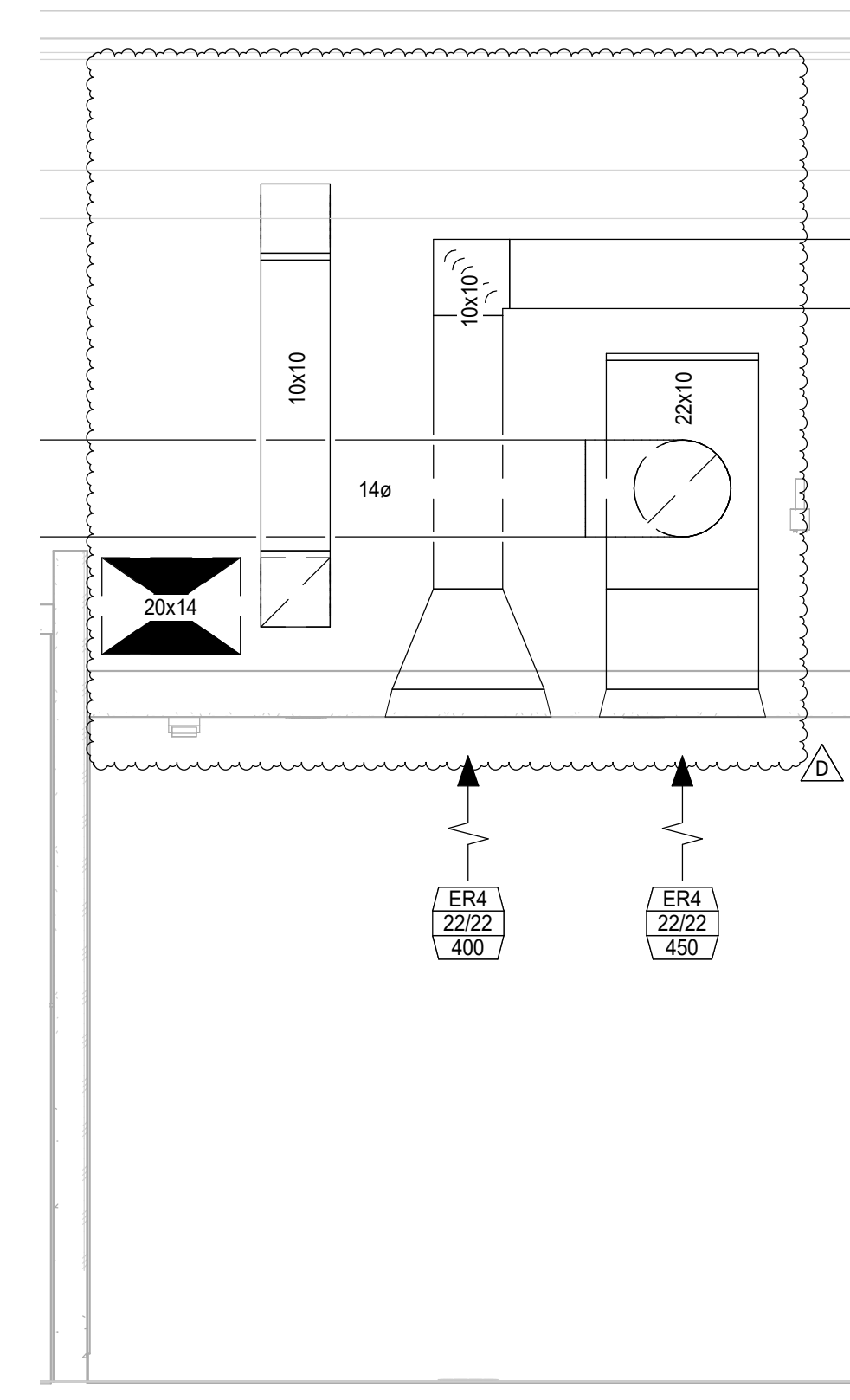
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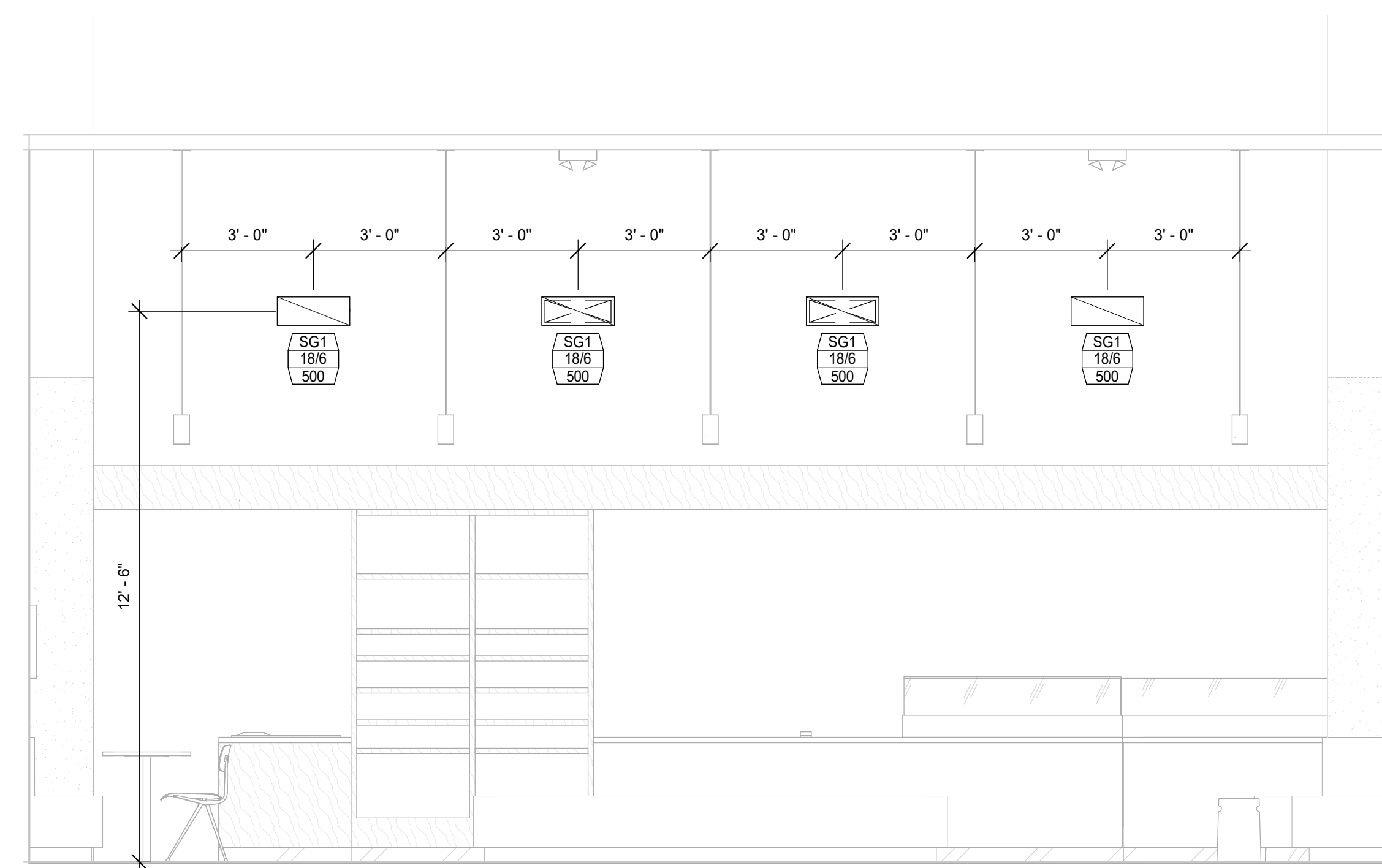
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HVAC ELEVATIONS

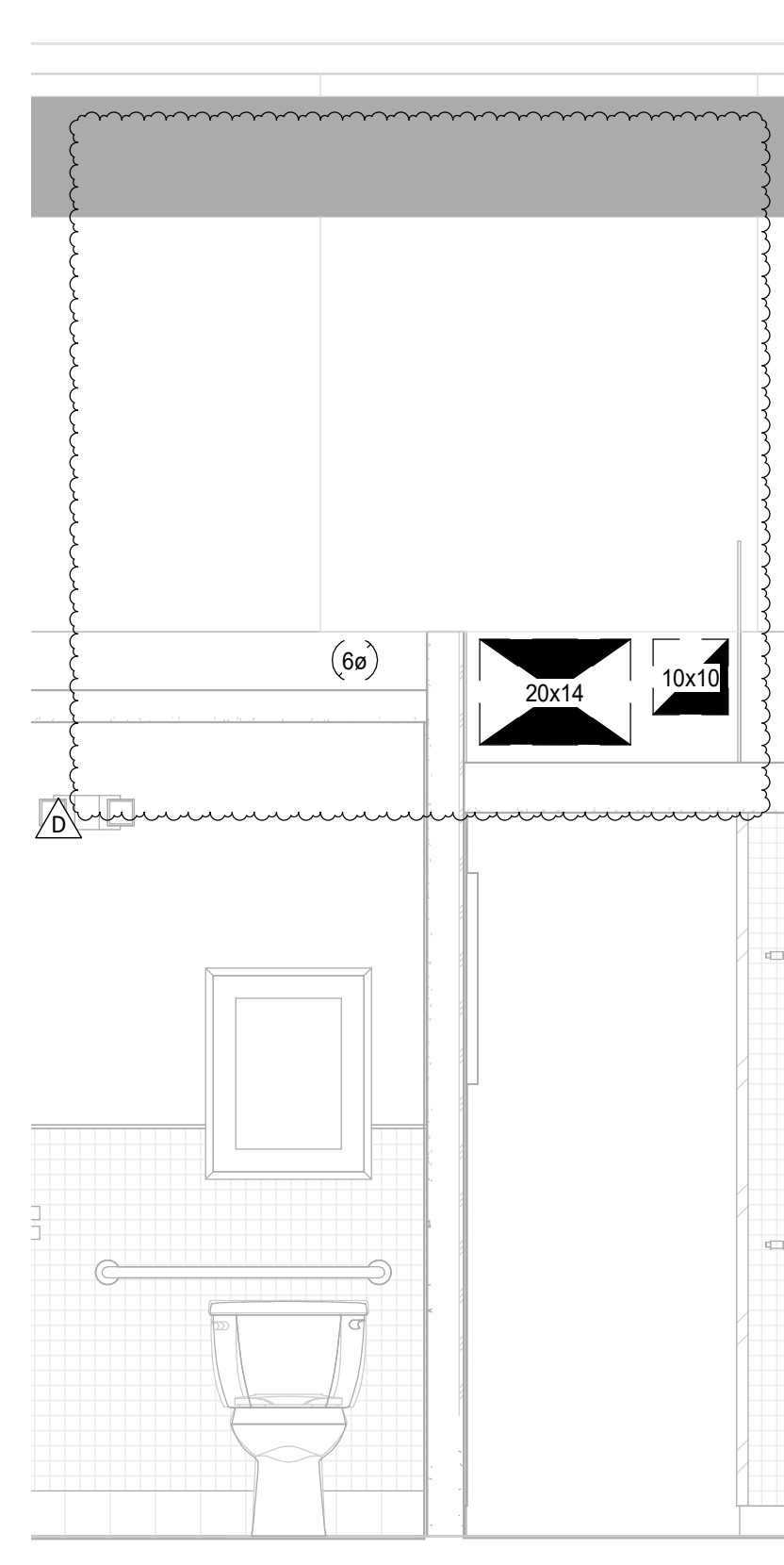
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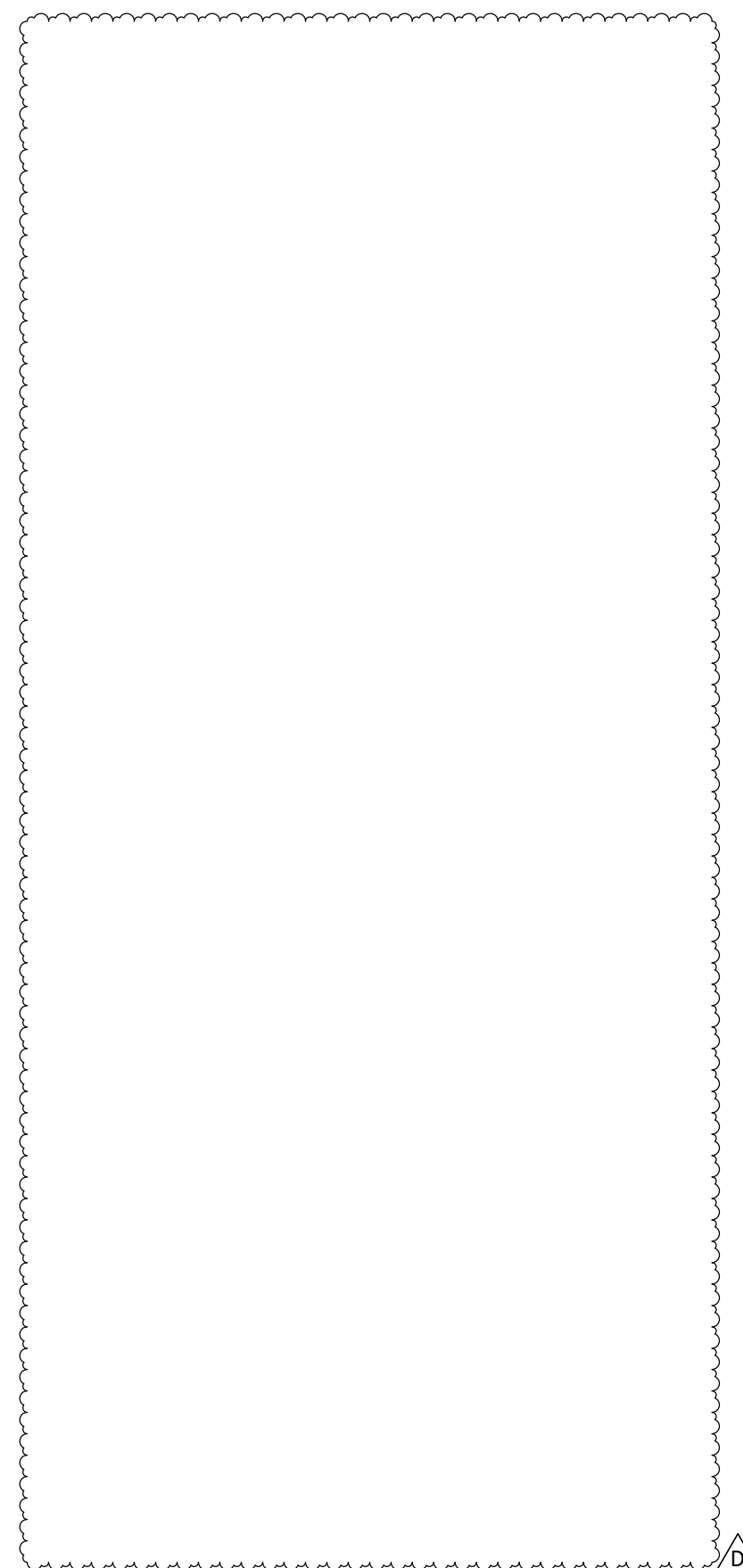
4 HVAC SECTION AT OVEN
N.T.S.



1 DINING ROOM DIFFUSER ELEVATION
N.T.S.



2 DUCTWORK SECTION
N.T.S.





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HVAC DETAILS

M500

SEQUENCE OF OPERATIONS AHU-1 & AHU-2

GENERAL:
THE VRF SYSTEM SHALL BE A HEAT PUMP, HEAT RECOVERY SYSTEM CAPABLE OF SIMULTANEOUS HEATING AND COOLING. THE CONDENSING UNIT SHALL MODULATE CAPACITY AS REQUIRED TO SATISFY THE AIR HANDLING UNIT DEMAND. THE BRANCH CIRCUIT CONTROLLER SHALL PROVIDE REFRIGERANT CONTROL TO THE SYSTEM AS REQUIRED.

OCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN OCCUPIED MODE, THE AIR HANDLER FANS ARE TO START AND RUN CONTINUOUSLY, AND THE OUTSIDE AIR DAMPERS SHALL POWER TO THE OPEN POSITION.

HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 72 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT SHALL BE SWITCHED TO HEATING MODE AND THE HEAT SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 72 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT SHALL BE SWITCHED TO COOLING MODE AND THE COOLING CAPACITY SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

UNOCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN UNOCCUPIED MODE, THE AIR HANDLER FANS ARE TO BE OFF, THE ERV SHALL REMAIN OFF AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED.

HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 65 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT FAN SHALL START AND THE AIR HANDLING UNIT SHALL BE SWITCHED TO HEATING MODE AND THE HEAT SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 65 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT FAN SHALL START AND THE UNIT SHALL BE SWITCHED TO COOLING MODE AND THE COOLING SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

EMERGENCY MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: UPON A SIGNAL FROM THE FIRE ALARM SYSTEM OR SMOKE DETECTOR IN THE SUPPLY-AIR STREAM, THE SYSTEM FANS SHALL STOP AND THE OUTSIDE AIR DAMPER SHALL CLOSE.

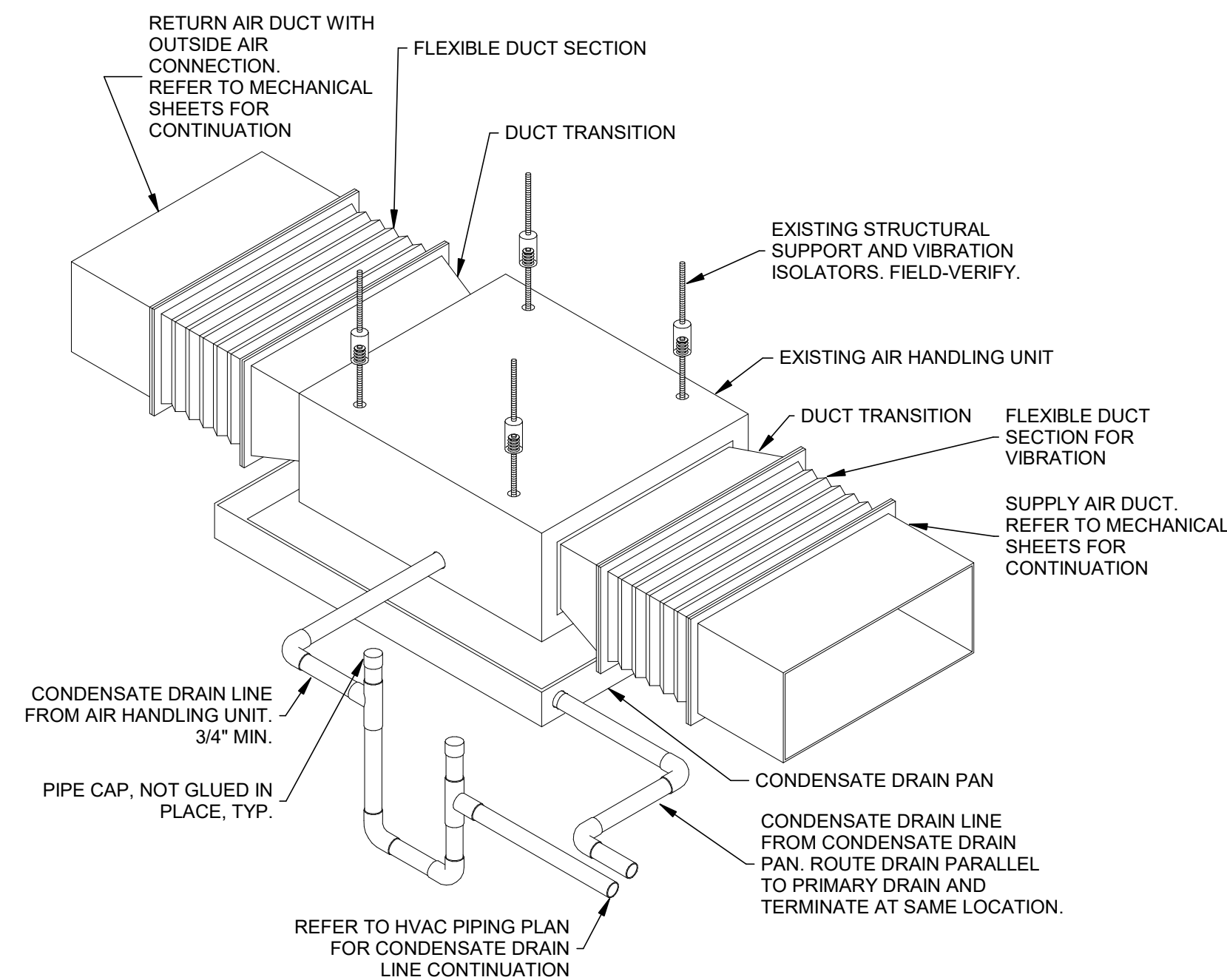
SEQUENCE OF OPERATIONS EF-1 & SF-1

OCCUPIED MODE:
FAN OPERATION: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN OCCUPIED MODE, THE FAN IS TO START AND RUN CONTINUOUSLY.

UNOCCUPIED MODE:
FAN OPERATION: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN UNOCCUPIED MODE, THE FAN SHALL REMAIN OFF.

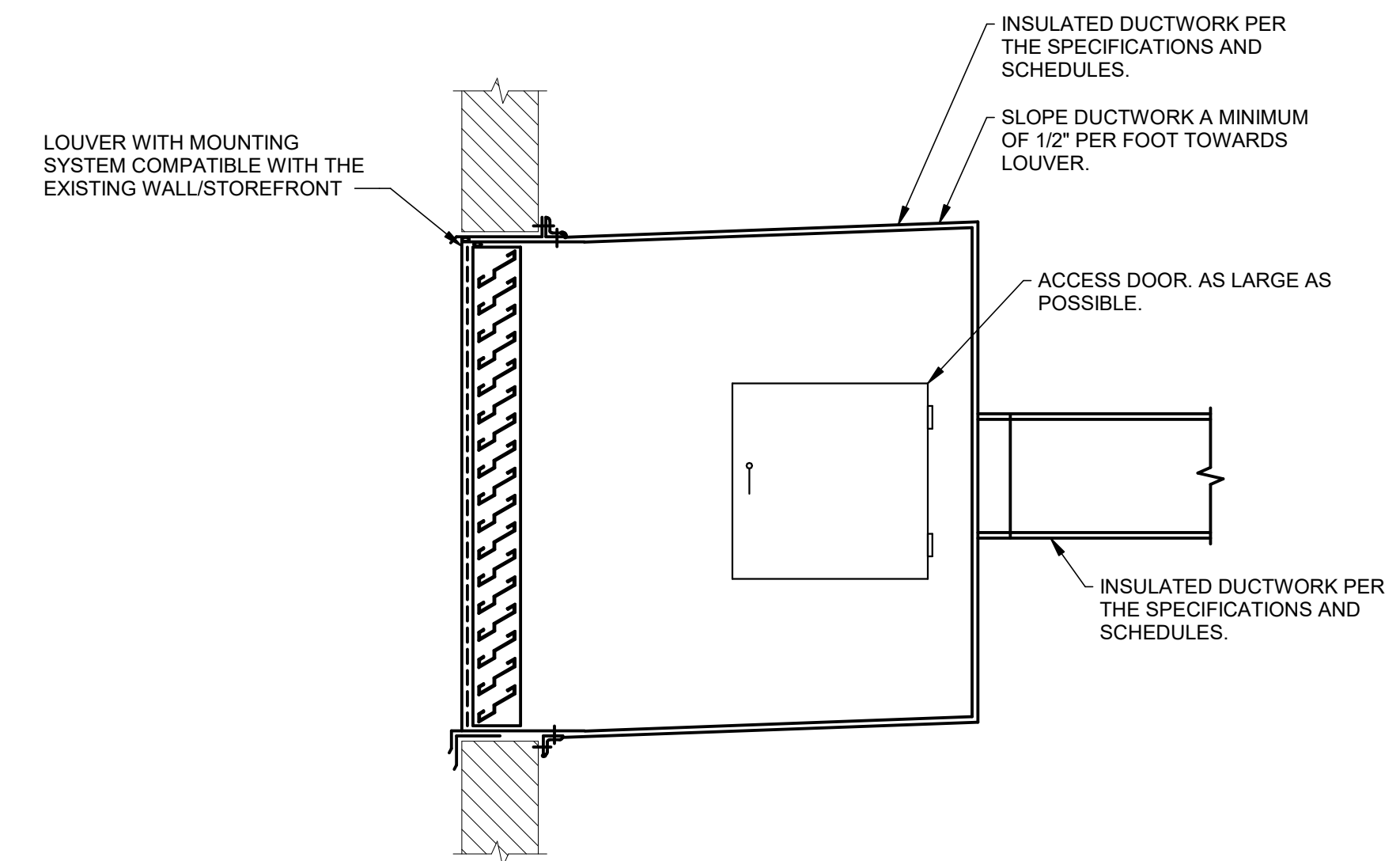
EMERGENCY MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: UPON A SIGNAL FROM THE FIRE ALARM SYSTEM, THE FAN SHALL STOP.

3 SEQUENCE OF OPERATIONS
N.T.S.

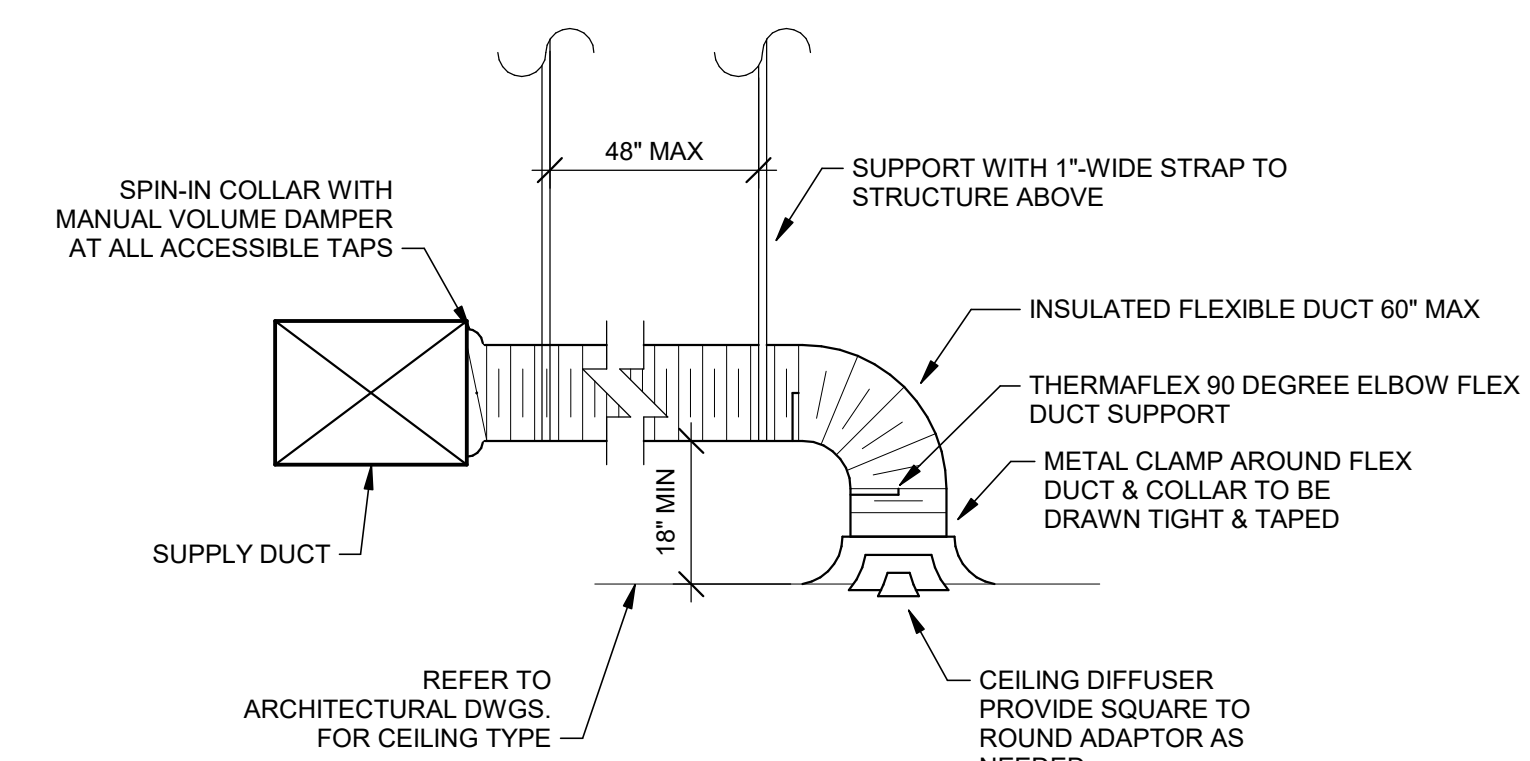


2 AIR HANDLING UNIT INSTALLATION DETAIL
N.T.S.

NOTE: THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS IN THIS DETAIL, UNLESS INDICATED AS EXISTING.



4 LOUVER INSTALLATION DETAIL
N.T.S.



1 DIFFUSER CONNECTION
N.T.S.

NOTE:
1. METHOD OF INSTALLATION FOR AIRTIGHT SEAL IS TYPICAL FOR ALL FLEX CONNECTIONS TO AIR DISTRIBUTION DEVICES.



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BURLINGAME, CA 94010**

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HVAC SCHEDULES

M600

MATERIAL SCHEDULE

CATEGORY	APPLICATION	ALLOWABLE MATERIAL
DUCT	EXPOSED, SUPPLY	ROUND AS SHOWN. PAINTED TO MATCH ROOF DECK.
	EXPOSED, RETURN	ROUND AS SHOWN. PAINTED TO MATCH ROOF DECK.
	EXPOSED, VENTILATION AIR	DOUBLE-WALL, INSULATED ROUND OR RECTANGULAR AS SHOWN. PAINTED TO MATCH ROOF DECK.
	CONCEALED, SUPPLY	RECTANGULAR OR ROUND AS SHOWN. INSULATED.
	CONCEALED, RETURN	RECTANGULAR OR ROUND AS SHOWN. INSULATED.
	CONCEALED, GEN. EXHAUST	RECTANGULAR OR ROUND AS SHOWN. INSULATED.
PIPING	HYDRONIC PIPING: HOT, CHILLED AND CONDENSER WATER	TYPE L COPPER TUBE.
	CONDENSATE DRAINS	SCHEDULE 40 PVC PIPE AND FITTINGS.

EXHAUST CALCULATIONS (PER TABLE 403.7 OF THE 2022 CALIFORNIA MECHANICAL CODE)

ROOM NAME	OCCUPANCY CLASSIFICATION	FIXTURE BASED			AREA BASED			PROVIDED EXHAUST (CFM)
		NUMBER OF FIXTURES	EXHAUST AIRFLOW RATE (CFM)	REQUIRED EXHAUST (CFM)	AREA (SF)	Ra	REQUIRED EXHAUST (CFM)	
KITCHEN	KITCHEN (COOKING)	0	0	0	1112.2	0.7	778.54	850
RR1	TOILET ROOM	1	50	50	52	0	50	75
RR1	TOILET ROOM	2	50	100	52.5	0	100	75

VENTILATION CALCULATIONS, AHU-2 (PER TABLE 402.1 OF THE 2022 CA MECHANICAL CODE)

ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	OCCUPANT DENSITY	OCCUPANT BASED			AREA BASED			ZONE OUTDOOR AIRFLOW (CFM)
				OCCUPANTS	Rp	VENTILATION (CFM)	Ra	VENTILATION (CFM)	EFFECTIVENESS	
DINING	DINING ROOM	546.4	70	39	7.5	292.5	0.18	98.4	0.8	488.6
RESTROOM VESTIBULE	CORRIDOR	84.0	70	6	0	0.0	0.06	5.0	0.8	6.3
									REQUIRED AIRFLOW (CFM)	494.9
									PROVIDED AIRFLOW (CFM)	500.0

VENTILATION CALCULATIONS, AHU-1 (PER TABLE 402.1 OF THE 2022 CA MECHANICAL CODE)

ROOM NAME	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	OCCUPANT DENSITY	OCCUPANT BASED			AREA BASED			ZONE OUTDOOR AIRFLOW (CFM)
				OCCUPANTS	Rp	VENTILATION (CFM)	Ra	VENTILATION (CFM)	EFFECTIVENESS	
KITCHEN	KITCHEN (COOKING)	1112.2	20	23	7.5	172.5	0.12	133.5	0.8	382.5
OFFICE	OFFICE	47.8	5	1	5	5.0	0.06	2.9	0.8	9.8
									REQUIRED AIRFLOW (CFM)	392.3
									PROVIDED AIRFLOW (CFM)	400.0

GRILLS, REGISTERS, AND DIFFUSERS SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	SUPPLIER	INSTALLER	MANUFACTURER	MODEL	REMARKS
CD1	PLAQUE FACE DIFFUSER	24" x 24"	STEEL	WHITE	LAY-IN	GC	GC	TITUS	OMNI	PROVIDE WITH INTEGRAL OBD
CD2	PLAQUE FACE DIFFUSER	24" x 24"	STEEL	WHITE	GYPSUM BOARD	GC	GC	TITUS	OMN	PROVIDE WITH INTEGRAL OBD AND RAPID MOUNT FRAME
ED1	PLAQUE FACE EXHAUST	12"x12"	STEEL	WHITE	GYPSUM BOARD	GC	GC	TITUS	OMNI	PROVIDE WITH INTEGRAL OBD
ER4	PERFORATED CEILING EXHAUST	24" x 24"	STEEL	WHITE	GYPSUM BOARD	GC	GC	TITUS	PAR	PROVIDE WITH INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	24" x 24"	STEEL	WHITE	LAY-IN	GC	GC	TITUS	PAR	
RG2	3/4" SPACING, 35° DEGREE DEFLECTION RETURN GRILLE	REFER TO PLANS	STEEL	WHITE	GYPSUM BOARD	GC	GC	TITUS	350RL	
SG1	DOUBLE DIRECTIONAL SUPPLY GRILLE	REFER TO PLANS	STEEL	TO MATCH WALL	SURFACE	GC	GC	TITUS	300RL	PROVIDE WITH INTEGRAL OBD

BRANCH CONTROLLER SCHEDULE

TAG	DESCRIPTION	NUMBER OF PORTS	ELECTRICAL			SUPPLIER	INSTALLER	MANUFACTURER	MODEL	REMARKS
			MOC (A)	MCA (A)	V/PH					
BC-1	BRANCH CONTROLLER	8	15	1.5	208/160	GC	GC	DAIKIN	BSF8Q54TVJ	

RECIRCULATING HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM AIRFLOW [CFM]	APPROXIMATE WEIGHT [lbs]	SUPPLIER	INSTALLER	ELECTRICAL DATA		BASIS FOR DESIGN		REMARKS
							WATTS	V/PH	MANUFACTURER	MODEL	
HD-1	VENTLESS CANOPY RECIRCULATING HOOD	N/A	415	175	KES	KES	170 W	120/1/60	RATIONAL	60.76.177	

FAN SCHEDULE

TAG	AIRFLOW (CFM)	E.S.P. (IN. W.C.)	DRIVE TYPE	MOTOR POWER (HP)	WEIGHT (LB)	ELECTRICAL			SUPPLIER	INSTALLER	MANUFACTURER	MODEL	REMARKS
						MCA (A)	MOC (A)	V/PH					
EF-1	400	0.8	DIRECT	0.50	100	7.9	15	120/1/60	GC	GC	CAPTIVE-AIRE	SIF11DD	WITH BACKDRAFT DAMPER AND VIBRATION ISOLATION HANGERS
SF-1	300	0.8	DIRECT	0.50	100	7.9	15	120/1/60	GC	GC	CAPTIVE-AIRE	SIF11DD	WITH BACKDRAFT DAMPER AND VIBRATION ISOLATION HANGERS

REMOVED LOUVER SCHEDULE

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	PAIRED WITH	NUMBER OF COMPRESSORS	REFRIGERANT TYPE	WEIGHT (LB)	ELECTRICAL			SUPPLIER	INSTALLER	MANUFACTURER	MODEL	REMARKS
						MOC (A)	MCA (A)	V/PH					
CU-1	HVAC SYSTEM CONDENSING UNIT	AHU-1 AHU-2	1	R410A	800	40	31.1	480/3/60	LANDLORD	LANDLORD	DAIKIN	REYQ168XAYDA	EXISTING CONDENSING UNIT. FURNISHED BY THE LANDLORD UNDER A SEPARATE PERMIT. FURNISHED WITH HAIL GUARDS AND STANDS.
CU-2	WALK-IN COOLER REMOTE CONDENSING UNIT	N/A	1	R448A	260	25	16.3	208/1/60	KES	KES / GC	BY KES	BY KES	FURNISHED WITH THE WALK-IN COOLER.

AIR HANDLING UNIT SCHEDULE

TAG	DESCRIPTION	COOLING CAPACITY (TONS)	EER	AIRFLOW			COOLING				HEATING			ELECTRICAL			REMARKS							
				TOTAL (CFM)	RETURN (CFM)	OA (CFM)	EAT (DEG. F)	RATED TOTAL (MBH)	RATED SENSIBLE (MBH)	DB	WB	EAT (DEG. F)	RATED TOTAL (MBH)	LAT (DEG. F)	WEIGHT (LB)	MOC (A)		MCA (A)	V/PH					
AHU-1	KITCHEN AIR HANDLING UNIT	8	20.4	2540	2140	400	0.8	96.0	71.0	74.2	64.4	66.4	66.4	108.0	105.1	400	15	10.7	208/1/60	GC	GC	DAIKIN	FXMQ96MVJU	GC TO FURNISH AND INSTALL FILTER BOX, REMOTE SENSOR AND CONTROLLER
AHU-2	DINING ROOM AIR HANDLING UNIT	6	20.4	2000	1500	500	0.8	72.0	57.0	76.8	65.0	60.0	81.0	96.8	400	15	9.5	208/1/60	GC	GC	DAIKIN	FXMQ72MVJU	GC TO FURNISH AND INSTALL FILTER BOX, REMOTE SENSOR AND CONTROLLER	