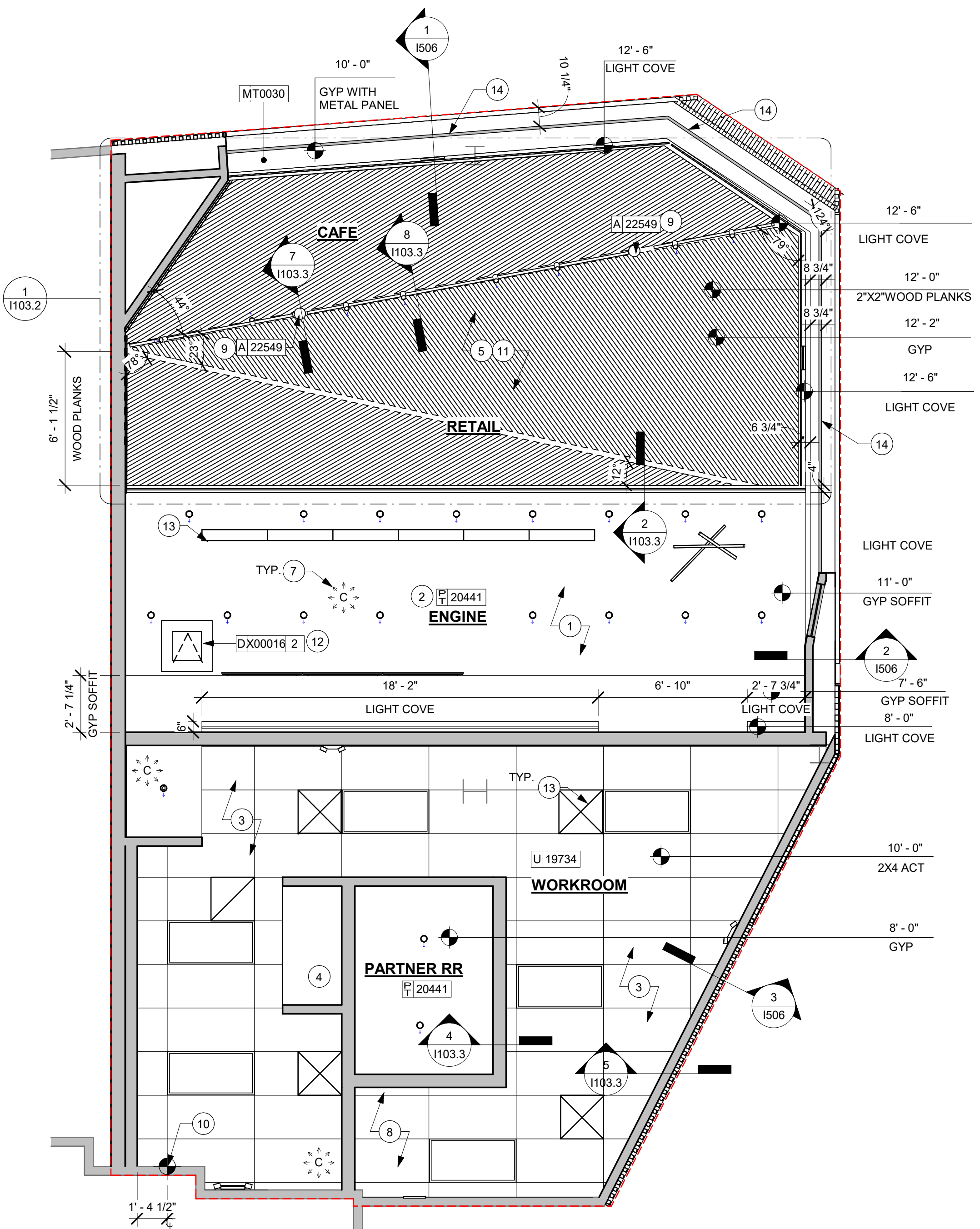


CEILING TREATMENT SCHEDULE - "U"					
DESIGN ID	AREA	DESCRIPTION	FURN. BY	INST. BY	COMMENTS
OTHER					
19734	460 SF	ACT - ULTIMA -WHITE - 2X4FT	GC	GC	



1 REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"

LEGEND

- ELEVATION DATUM
- TRACK LIGHTING
- STRIP LIGHTING
- RECESSED CAN LIGHT
- TROFFER
- EXIT SECURITY LIGHT
- MUSIC SYSTEM RECESSED SPEAKER
- 360° SECURITY CAMERA
- SUPPLY AIR
- RETURN AIR

GENERAL NOTES

- A. REFERENCE LOW VOLTAGE PLAN SHEET AND ELECTRICAL DRAWINGS.
- B. IF REQUIRED BY LOCAL CODE, GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED SPRINKLER HEADS WITH POLISHED CHROME ESCUTCHEONS CENTERED IN ACOUSTICAL CEILING TILE. IF PENDANT HEADS ARE REQUIRED IN GWB SOFFIT OVER FRONT BAR, CONCEAL SUPPLY PIPING WITHIN SOFFIT. GENERAL CONTRACTOR TO SUBMIT SPRINKLER LAYOUT TO STARBUCKS' CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO INSTALLATION.
- C. LEAVE TEN (10) ADDITIONAL RETAIL CEILING TILES TO MATCH RETAIL CEILING PAINT COLOR ABOVE THE WORKROOM CEILING AT MANAGER'S DESK FOR FUTURE USE.
- D. PROVIDE GROMMET AT ACOUSTIC CEILING PENETRATIONS FOR FIXTURES OF SUPPORTS.
- E. HEATING, VENTILATING AND AIR CONDITIONING SHOWN ON THIS PLAN PROVIDED FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- F. DIFFUSERS AND RETURNS IN ACOUSTICAL CEILING TILE TO BE CENTERED IN TILE AND PAINTED TO MATCH ADJACENT FINISHES (TYP.).
- G. PAINT ALL EXPOSED HVAC DUCTS, HVAC DIFFUSERS, LIGHT TRIM RINGS, PIPING, CONDUIT AND JUNCTION BOXES THE SAME COLOR AS SPECIFIED ON SURROUNDING CEILING OR SOFFIT UNLESS OTHERWISE NOTED. TYPICAL THROUGHOUT RETAIL AREA OF STORE.
- H. PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS' NATIONAL ACCOUNT "COLOR CODE" WHEN ORDERING PAINTS.
- I. DATA CABLING ABOVE HEAD SHALL BE IN PLENUM WHEN AVAILABLE.
- J. DATA CABLING AT EXPOSED CEILING SHALL BE INSTALLED IN METAL CONDUIT OR PER LOCAL CODE REQUIREMENT.

KEYED NOTES

1. GWB SOFFIT WITH SMOOTH FINISH (PAINT AS SCHEDULED).
2. GWB CEILING WITH LEVEL 4 FINISH. PAINT CEILING DIFFUSERS AS INDICATED.
3. NEW 2X4 ACT, INSTALL AS SHOWN.
4. PLATFORM FOR HEATER AND WATER FILTRATION. PROVIDE SOFFIT AND LIFT CEILING THIS AREA ONLY TO INSURE ADEQUATE CLEARANCE FOR SERVICING.
5. WOOD SLAT CEILING WITH GYP ABOVE PAINTED SW7020 BLACK FOX.
6. NOT USED.
7. SECURITY CAMERA TO BE RECESSED IN CUSTOMER FACING AREAS.
8. LOCATE SECURITY HEAD UNIT AT MANAGER'S WORKSTATION.
9. RECESSED SPEAKER.
10. ACT GRIDLINE START.
11. MURAL TO BE COORDINATED BETWEEN MURALIST AND STARBUCKS DESIGNER.
12. GYP ACCESS PANEL. HALLMAN SALES WIND-LOCK STEALTH ACCESS DOORS MODEL NUMBER TR-AP016.
13. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER INFORMATION.
14. SECURITY GRILLE TRACK LOCATION. REFER TO DETAILS FOR MORE INFORMATION.



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STARBUCKS TEMPLATE VERSION: i2023.01.30

ARCHITECT OF RECORD



NEWGROUND INTERNATIONAL, INC.
15450 S OUTER FORTY DRIVE, SUITE 300
CHESTERFIELD, MO 63017

PROJECT NAME:
VALLEY FAIR LEVEL II

PROJECT ADDRESS:
**2855 STEVENS CREEK BLVD
SUITE 2620
SANTA CLARA, CA 95050**

STORE #:	05913
PROJECT #:	08696-088
ISSUE DATE:	05-13-2024
DESIGN MANAGER:	A. SECCHI
PRODUCTION DESIGNER:	D. SCHAFER
CHECKED BY:	M. LYNCH

Revision Schedule			
Rev	Date	By	Description

SHEET TITLE:
REFLECTED CEILING PLAN

SCALE: AS SHOWN
























SHEET NUMBER:
1103



ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
APPROX	APPROXIMATE
BLDG	BUILDING
CO2	CARBON DIOXIDE
CD	CEILING DIFFUSER
CLG	CEILING
CONST	CONSTRUCTION
CXA	COMMISSIONING AGENT
DEG	DEGREES
DM	STARBUCKS DESIGN MANAGER
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
EA	EACH
EC	ELECTRICAL CONTRACTOR
ECP	EQUIPMENT CONTROL PAC
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EXIST	EXISTING
EXT	EXTERIOR
F&I	FURNISH & INSTALL
FOIC	FURNISHED BY OWNER,
	INSTALLED BY CONTRACTOR
FOIO	FURNISHED BY OWNER,
	INSTALLED BY OWNER
FLR	FLOOR
FT	FOOT/FEET
G	GAS PIPING
GC	GENERAL CONTRACTOR
HR	HOOR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
I.D.	INSIDE DIAMETER
IAQ	INDOOR AIR QUALITY
LCP	LIGHTING CONTROL PANEL
LL	LANDLORD
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL AND PLUMBING
MFG	MANUFACTURER
MIN	MINIMUM
NTS	NOT TO SCALE
O.D.	OUTSIDE DIMENSION
OSA	OUTSIDE AIR
REF	REFERENCE
REQ'D	REQUIRED
REV	REVISION
RT	ROOFTOP
SF	SQUARE FEET
SHT	SHEET
SPECS	SPECIFICATION(S)
SST	STAINLESS STEEL
TEMP	TEMPORARY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UC	UNDER COUNTER
WH	WATER HEATER
WSHP	WATER SOURCE HEAT PUMP

MECHANICAL SYMBOL LEGEND

	THERMOSTAT
	TEMPERATURE SENSOR
	SMOKE DETECTOR
	FLEXIBLE DUCT
	VOLUME DAMPER
	FIRE DAMPER
	CEILING SUPPLY AIR DIFFUSER
	CEILING RETURN AIR GRILLE
	SIDEWALL AIR DIFFUSER OR GRILLE
	NEW DUCTWORK
	EXISTING DUCTWORK
	CONDENSATE DRAIN
	GAS PIPING
	PIPE TURNING DOWN
	PIPE TURNING UP
	BALL VALVE
	GATE VALVE
	CONNECTION OF NEW TO EXISTING
	CHECK VALVE
	GAS COCK
	UNION
	PRESSURE GAUGE
	STRAINER
AFF	ABOVE FINISHED FLOOR
	AIR DEVICE #
	CFM

S - SUPPLY
R - RETURN
E - EXHAUST

GENERAL NOTES

SCOPE

THE INTENT OF THE PROJECT MANUAL AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM. THE MECHANICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE MECHANICAL WORK.

SITE EXAMINATION

THE MECHANICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.

PENETRATIONS

WHERE PIPES AND DUCTS PENETRATE WALL, SEAL OPENINGS TO PREVENT AIR TRANSFER BETWEEN SPACES. USE FIRE RATED SEALANTS ON ALL FIRE SEPARATION PENETRATIONS, INCLUDING FLOORS. SEAL AROUND ALL PIPES AND DUCTS PENETRATING FIRE SEPARATIONS WITH NON-COMBUSTIBLE PACKING RETAINED BY METAL COLLARS. THE ASSEMBLY SHALL BE APPROVED BY STATE FIRE MARSHALL.

STANDARDS

EQUIPMENT AND MATERIALS SHALL CONFORM WITH THE APPROPRIATE PROVISIONS OF CSA, UL, ARI, ASME, ASTM, UL, NEMA, ANSI, SMACNA, ASHRAE, NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE PROVINCIAL AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND PROJECT MANUAL AND THE CODES AND ORDINANCES, USE WHICHEVER IS MORE STRINGENT. THE MECHANICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO STARBUCKS.

PERMITS AND FEES

THE MECHANICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY TO COMPLETE THE MECHANICAL WORK.

WARRANTY

THE MECHANICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY STARBUCKS AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

GENERAL MECHANICAL NOTES

- MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL INTENT OR ARRANGEMENT OF SYSTEM(S). FURNISH & INSTALL ALL COMPONENTS NEEDED WHETHER INDICATED OR NOT TO PROVIDE A COMPLETE AND OPERATING SYSTEM.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES, AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM ACTUAL BUILDING DIMENSIONS.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE HVAC WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS AND PROJECT MANUAL SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND PROJECT MANUAL FOR DIMENSIONED DIFFUSER LOCATIONS AND MOUNTING HEIGHTS WHERE EXPOSED.
- NEW DUCTWORK AND EQUIPMENT SHALL NOT BE INSTALLED WHERE IT OBSTRUCTS ANY EXISTING OR NEW AREAS THAT REQUIRE ACCESS.

TESTING, ADJUSTING, BALANCING

INDEPENDENT AIR BALANCE CONTRACTOR OR QUALIFIED MECHANICAL CONTRACTOR SHALL BE QUALIFIED TO TAB WORK BY NEBB OR AABC STANDARDS. BALANCER SHALL ACCURATELY BALANCE THE SUPPLY, RETURN AND OUTSIDE AIR, EXHAUST FAN(S), HYDRONIC (WHERE APPLICABLE) AND EXHAUST FAN(S) SYSTEMS TO PROVIDE AIR AND WATER QUANTITIES WITHIN 10% PLUS MINUS OF THE VALUES INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. OPERATE AUTOMATIC CONTROLS SYSTEMS AND VERIFY SETPOINTS FOR THERMOSTATS, CO2 SENSORS, DCV, EMS AND ECONOMIZER/OUTSIDE AIR DAMPER. SEE CONTROLS AND OPERATION NOTES AND HVAC SCHEDULES AND NOTES FOR DETAILS. IF DEFICIENCIES OR SITE CONDITIONS PREVENT COMPLETE AND PROPER BALANCING, DO NOT COMPLETE WORK AND SUBMIT A REQUEST FOR INFORMATION TO GET COMPLETE INFORMATION PRIOR TO COMPLETING WORK. SUBMIT THREE (3) COPIES OF THE BALANCE REPORT TO THE ENGINEER, CONSTRUCTION MANAGER AND COMMISSIONING AGENT FOR APPROVAL. THE BALANCE REPORT SHALL INCLUDE NEBB OR AABC CREDENTIALS, EQUIPMENT/INSTRUMENT LIST WIT THE MOST RECENT CALIBRATION DATE AND BALANCE REPORTS FOR ALL HVAC AND EXHAUST SYSTEMS. INCLUDE A COPY OF THE BALANCE REPORT AS APPROVED BY THE ENGINEER WITH APPLICATION FOR FINAL CONTRACT PAYMENT.

HVAC EQUIPMENT AND MATERIALS

AIR HANDLING UNITS

AIR HANDLING UNITS SHALL BE AS SPECIFIED IN THE MECHANICAL SCHEDULE AND SHALL BE FURNISHED AND INSTALLED PER THE LEASE AGREEMENT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DELIVERY, PROVIDING COMPLETE INSTALLATION INCLUDING CURBS, PIPING, VIBRATION ISOLATION, AND NECESSARY ACCESSORIES, AND PROVIDING WARRANTY.

FILTERS

IF OPERATING HVAC DURING CONSTRUCTION, PROVIDE THREE (3) SETS OF 2" (51MM) MERV6 PLEATED DISPOSABLE FILTERS (OR HIGHER RATING IF REQUIRED BY LEED). USE ONE SET UNTIL COMPLETION OF CONSTRUCTION. INSTALL ONE SET AT COMPLETION OF CONSTRUCTION (PRIOR TO TAB) AND DELIVER ONE SET OF MERV13 FILTERS TO STARBUCKS LABELED TO DENOTE THEIR RESPECTIVE AIR HANDLING UNIT.

EXHAUST FANS

EXHAUST FANS SHALL BE AS SPECIFIED AND PROVIDED PER THE LEASE AGREEMENT. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DISCHARGE LOCATION WITH NEW AND EXISTING VENTS AND INTAKES, PROVIDING COMPLETE INSTALLATION INCLUDING CURBS, BACKDRAFT DAMPER, DUCTWORK FROM RESTROOM GRILLE TO UNIT, NECESSARY ACCESSORIES AND PROVIDING WARRANTY.

AIR CURTAINS

AIR CURTAINS, WHEN REQUIRED, SHALL BE FURNISHED BY OWNER WITH WINDOW UNIT FROM READY-ACCESS AND INSTALLED BY THE GENERAL CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF POWER CONNECTION.

NATURAL GAS PIPING

PROVIDE NATURAL GAS PIPING FROM GAS COMPANY METER TO EACH PIECE OF EQUIPMENT OR APPLIANCES IN ACCORDANCE WITH CODE AND THE PROJECT MANUAL. PRESSURE REGULATORS FOR MEDIUM PRESSURE SYSTEMS SHALL BE VENTED TO THE OUTDOORS. PROVIDE PIPING SUPPORT BLOCKING ON ROOF, COMPATIBLE WITH ROOFING SYSTEM.

BRACING AND ANCHORING

ALL MECHANICAL EQUIPMENT, FIXED OR FLEXIBLY MOUNTED, SHALL BE BRACED OR ANCHORED TO COMPLY WITH LOCAL CODES.

DUCTWORK AND ACCESSORIES

SHEET METAL DUCTWORK

SEE SPECIFICATIONS FOR SHEET METAL DUCT REQUIREMENTS. ALL EXPOSED DUCTWORK TO BE SPIRAL ROUND, OR RECTANGULAR LOCK-SEAM TYPE, AS SHOWN ON HVAC PLAN SHEET. ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. FURNISH AND INSTALL ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR COMPLETE OPERATING SYSTEM. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER.

DUCT SEALANT

SEAL ALL LONGITUDINAL AND TRANSVERSE JOINTS PER SPECIFICATIONS. COVER ALL FIELD JOINTS, JOINTS AROUND SPIN-IN FITTINGS, AND FASTENING SCREWS WITH MASTIC.

SUPPORTS

PROVIDE FASTENERS, ANCHORS, RODS, STRAPS, TRIM, AND ANGLES FOR SUPPORT OF DUCTWORK. SUPPORTS MUST COMPLY WITH LOCAL REGULATIONS AND CODE.

DAMPERS

PROVIDE VOLUME CONTROL DAMPERS WHERE INDICATED ON DRAWINGS AND AT POINTS ON LOW PRESSURE SUPPLY, RETURN, AND EXHAUST DUCTS WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS. PROVIDE UL LISTED FIRE OR FIRE/SMOKE DAMPERS WHERE REQUIRED AND IN ACCORDANCE WITH NFPA AND LOCAL CODES. PROVIDE CONVENIENTLY LOCATED ACCESS DOORS OF AMPL SIZE AND QUANTITY FOR SERVICING THE DAMPERS. PROVIDE MOTORIZED DAMPERS AT ALL INTAKE & EXHAUST BUILDING OPENINGS. COORDINATE WITH OTHER TRADES FOR ACCESS PANELS, POWER AND FIRE ALARM INTERFACES. SEE PROJECT MANUAL.

GRILLES, REGISTERS, AND DIFFUSERS

GRILLES, REGISTERS, AND DIFFUSERS SHALL BE AS SPECIFIED AND SHALL BE MECHANICAL CONTRACTOR SUPPLIED, UNLESS OTHERWISE NOTED. DIFFUSERS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SCHEDULES. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS ITEMS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION IN THE TYPE OF CEILING AND WALLS USED IN THIS PROJECT.

THERMAL INSULATION

PROVIDE EXTERNAL THERMAL INSULATION WITH AN INTEGRAL VAPOR BARRIER FACING OF SUFFICIENT THICKNESS TO MEET LOCAL ENERGY CODE REQUIREMENTS OR ASHRAE 90.1-2004, WHICHEVER IS MORE STRINGENT. PROVIDE INSULATION ON EXHAUST AND OUTSIDE AIR DUCTS, AND ON CONCEALED PORTIONS OF SUPPLY AND RETURN AIR DUCTS. DO NOT EXTERNALLY INSULATE EXPOSED DUCTWORK AND PORTIONS OF DUCTWORK THAT ARE INTERNALLY LINED WITH CODE REQUIRED THICKNESS. INTERNALLY INSULATE EXPOSED SUPPLY DUCTWORK IF POSSIBILITY OF CONDENSATION. INTERNALLY INSULATE EXTERIOR DUCTWORK PER CODE.

ACOUSTICAL DUCT LINER

ACOUSTICAL DUCT LINER IN SUPPLY AND RETURN DUCTWORK WITHIN 10'-0" (305CM) OF THE DISCHARGE AND INTAKE OF AIR HANDLING UNITS. INCREASE DUCT SIZE INDICATED ON PLANS AS NEEDED TO ACCOMMODATE LINER. LINER TO BE PROVIDED AND FASTENED TO DUCT WITH MECHANICAL LINER FASTENERS IN ACCORDANCE WITH SMACNA AND PROJECT MANUAL.

FLEXIBLE DUCTWORK

FLEXIBLE DUCT WORK SHALL ONLY BE INSTALLED AS SHOWN IN PLAN AND NOT ABOVE HARD LID CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" (152CM) IN LENGTH AND TWO 45° ELBOWS. IT SHALL BE PULLED TAUT AND APPROPRIATELY FASTENED TO RIGID BRANCH DUCT & DIFFUSER. BENDS SHALL BE MINIMIZED AND WHERE NEEDED BE A FULL RADIUS BEND. SUPPORT BANDS SHALL BE INSTALLED SO AS TO NOT CRIMP FLEX DUCT. FLEXIBLE DUCTWORK SHALL MEET REQUIREMENTS.

ENERGY MANAGEMENT SYSTEM (EMS)

THE GENERAL CONTRACTOR SHALL INSTALL (OR DEMO AND REINSTALL FOR RENOVATIONS), THE VENSTAR SURVEYOR EMS SYSTEMS PRIOR TO THE LAST WEEK OF CONSTRUCTION. GENERAL CONTRACTOR TO PROVIDE ONE PERMANENT THERMOSTAT AND REMOTE SENSOR PER HVAC UNIT. LOCATE AND MOUNT THERMOSTAT(S) AND SENSOR(S) PER THE DRAWINGS. PROVIDE THERMOSTAT IDENTIFICATION LABELS PER SPECIFICATION REQUIREMENTS.

GENERAL CONTRACTOR TO PROGRAM, START-UP AND COMMISSION THE CONTROL SYSTEM. GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATIONS. GENERAL CONTRACTOR VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED. GENERAL CONTRACTOR TO COMPLETE SURVEYOR'S STARBUCKS INSTALLATION SURVEY FORM AND PROVIDE TWO (2) COMPLETED COPIES OF THIS DOCUMENT TO THE CONSTRUCTION MANAGER AND COMMISSIONING AGENT PRIOR TO FINAL PAYMENT.

CONTROLS AND OPERATION NOTES

THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING COMPONENTS:

CONTROL WIRING

THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING IN CONDUIT NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM INCLUDING ALL MODES OF OPERATION AND INTERLOCK.

EXHAUST FANS

RESTROOM EXHAUST FAN(S) TO BE OPERATED IN CONJUNCTION WITH STORE HOURS UNLESS OTHERWISE NOTED OR APPROVED OR AS REQUIRED BY JURISDICTION (COORDINATE WITH ELECTRICAL).

THERMOSTAT

PERMANENT THERMOSTAT(S) AND REMOTE SENSOR(S) SHALL BE FURNISHED AND INSTALLED. ONE THERMOSTAT AND SENSOR IS PROVIDED FOR EACH AIR HANDLING UNIT. MOUNT THERMOSTAT(S) AND SENSOR(S) IN LOCATION & HEIGHT AS INCUBATED ON DRAWINGS. MECHANICAL CONTRACTOR TO PROVIDE THERMOSTAT IDENTIFICATION LABELS PER SPECIFICATION REQUIREMENTS. REFER TO THERMOSTAT SETUP INSTRUCTIONS BELOW FOR ADDITIONAL REQUIREMENTS.

THERMOSTAT SETUP INSTRUCTIONS

PROVIDE THE FOLLOWING SETUP AND PROGRAMMING:

- CONFIGURE AS FOLLOWS:
 - DEGREES "F" DISPLAY
 - 12 HOUR CLOCK
 - CONTINUOUS FAN OPERATION IN OCCUPIED MODE
 - DISABLE KEYBOARD PROGRAMMING
- SET TIME AND DATE.
- SET TO DISPLAY CURRENT TEMPERATURE.
- SET OCCUPIED START TIME AT 30 MIN. BEFORE OPENING. SET UNOCCUPIED START TIME AT 30 MIN. AFTER CLOSING. VERIFY HOURS WITH STORE MANAGER OR CONSTRUCTION MANAGER.
- SET POINTS SHALL BE AS FOLLOWS OR AS APPROPRIATE FOR CLIMATE:
 - OCCUPIED (5° F DEADBAND) (3° C DEADBAND)
 - HEATING: 70° F (21° C)
 - COOLING: 75° F (24° C)
 - UNOCCUPIED
 - HEATING: 60° F (15° C)
 - COOLING: 78° F (25° C)
- SET TWO (2) HOUR OCCUPIED OVERRIDE FUNCTION TO PROVIDE THE FOLLOWING SET POINT OVERRIDES:
 - HEATING: +2° F (1° C)
 - COOLING: -2° F (1° C)

DEMAND CONTROL VENTILATION (DCV)

THE CO2 SENSOR SHALL MODULATE THE AIR HANDLING UNIT OUTSIDE AIR DAMPER TO MAINTAIN 1000 PPM CO2 OR LESS

OCCUPIED MODE:

- FAN SHALL RUN CONTINUOUSLY WHILE BRINGING IN MINIMUM DCV OUTSIDE AIR AS INDICATED IN SCHEDULE.
- IF CO2 SENSOR SET POINT IS BELOW THE SETPOINT, THE AIR DAMPER SHALL BE OPEN TO THE CALCULATED DCV MINIMUM OUTSIDE AIR.
- IF CO2 SENSOR SETPOINT IS EXCEEDED, OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN 1000 PPM NOT TO EXCEED THE CALCULATED DESIGN MINIMUM OUTSIDE AIR.
- UPON CO2 PPM FALLING BELOW THE SETPOINT, THE AIR DAMPER SHALL RETURN TO DCV MINIMUM OUTSIDE AIR.
- THE ECONOMIZER SHALL HAVE PRIORITY OVER THE DCV CONTROLS, OUTSIDE AIR MAY EXCEED DCV MINIMUM AND DESIGN MINIMUM WHEN AIR CONDITIONS ARE APPROPRIATE TO DO SO.

UNOCCUPIED MODE:

- FAN SHALL CYCLE WITH HEATING AND OUTSIDE AIR DAMPER CLOSED. OUTSIDE DAMPER SHALL NOT BE CYCLED WITH CO2 PPM SETPOINT.

IAQ MANAGEMENT PLAN

DURING CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH CHAPTER 3 OF SMACNA'S IAQ GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION. CONTRACTOR SHALL PERFORM AND SUBMIT ALL INFORMATION AS REQUIRED. IF HVAC SYSTEM IS TO BE USED DURING CONSTRUCTION, INSTALL MERV 8 FILTERS AT EACH RETURN AIR GRILL AND COMPLY WITH SMACNA'S GUIDELINES REFERENCED BELOW.



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05-13-2024

PROJECT NAME:
VALLEY FAIR LEVEL II

PROJECT ADDRESS:
**2855 STEVENS CREEK BLVD
SAN JOSE, CA 95050**

STORE #: 05913
PROJECT #: 08696-088
ISSUE DATE: 05-13-2024
DESIGN MANAGER: A. SECCHI
PRODUCTION DESIGNER: D. SCHAFER
CHECKED BY: M. LYNCH

Revision Schedule			
Rev	Date	By	Description

SHEET TITLE:

**MECHANICAL
NOTES**

SCALE: AS SHOWN

SHEET NUMBER:

M001

CASE
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SYSTEM COMMISSIONING

CONTRACTOR RESPONSIBILITIES FOR BUILDING COMMISSIONING

CONTRACTOR SHALL PROVIDE SUPPORT AND WORK AS SPECIFIED, NEEDED AND REQUIRED TO CONDUCT AND FACILITATE STARBUCKS STAFF BUILDING COMMISSIONING EFFORTS. THIS WORK WILL BE COMPRISED OF THREE DISTINCT EFFORTS:

1. SUPPORT STARBUCKS COMMISSIONING AGENT (CXA) DURING INSTALLATION VERIFICATION AND CORRECT DISCLOSED DEFICIENCIES.
2. PERFORM TESTING, ADJUSTING, BALANCING AND SYSTEM STARTUP AND SUPPORT FUNCTIONAL PERFORMANCE TESTING BY STARBUCKS CXA;
3. CORRECT DEFICIENCIES DISCLOSED BY FUNCTIONAL PERFORMANCE TESTING AND SUBMIT REPORTS.

CONTRACTOR SHALL PERFORM AND PROVIDE THE FOLLOWING:

- A. SYSTEMS SUBJECT TO COMMISSIONING MAY INCLUDE , BUT ARE NOTE LIMITED TO DOMESTIC HOT WATER GENERATION, HVAC SYSTEMS, ROOFTOP UNITS, EXHAUST FANS, HVAC CONTROLS, LIGHTING CONTROLS, AIR CURTAINS, BUILT-IN REFRIGERATION, EQUIPMENT AND RENEWABLE ENERGY SYSTEMS.
- B. CONTRACTOR SHALL PROVIDE WRITTEN RESPONSES TO ALL CXA'S REVIEWS AND COMMENTS. RESPONSES SHALL BE PROVIDED IN A TIMELY MANNER.
- C. CONTRACTOR SHALL INCLUDE COMMISSIONING ACTIVITIES IN PROJECT SCHEDULE AND SHOW INTERVALS FOR PERFORMANCE OF WORK FOR WHICH CONTRACTOR IS RESPONSIBLE AND INTERVALS FOR WORK PERFORMED BY STARBUCKS CXA. CONTRACTOR SHALL SHOW RESOURCES FOR PERFORMING ALL WORK RELATED TO COMMISSIONING ACTIVITIES ON A LINE ITEM IN THE SCHEDULE OF VALUES.
- D. CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND ALL CONTRACT DOCUMENTS. ENSURE THAT ALL EQUIPMENT IS INSTALLED TOTALLY COMPLETE AND ACCESSIBLE TO STARBUCKS CXA FOR INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING PRIOR TO THE SCHEDULED START OF INSTALLATION VERIFICATION.
- E. CONTRACTOR SHALL COMPLETE MANUFACTURER'S STARTUP PROCEDURES PRIOR TO COMMISSIONING COORDINATION WITH CXA.
- F. CONTRACTOR SHALL BE READILY AVAILABLE DURING INSTALLATION VERIFICATION TO CORRECT ANY DEFICIENCIES OR DEFECTS IS CLOSED BY THE INSTALLATION VERIFICATION PROCESS. CORRECTIONS SHALL BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION OF THE CONSTRUCTION SCHEDULE.
- G. ALL HVAC EXHAUST FAN AND AIR CURTAIN EQUIPMENT SHALL BE TESTED, ADJUSTED AND BALANCED BY THE CONTRACTOR'S TESTING, ADJUSTING AND BALANCE AGENT (SEE TESTING ADJUSTING AND BALANCING) AFTER THE SYSTEM IS VERIFIED TO BE COMPLETE AND CORRECT BY STARBUCKS CXA, IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DOCUMENTS. ALL HVAC CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE TESTED TO ENSURE THAT THEY OPERATE IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS. DELIVERABLES: PRELIMINARY, WRITTEN TESTING AND AIR BALANCE REPORT CONFORMING TO THE REQUIREMENTS SPECIFIED HEREIN, DOCUMENTING THE INFORMATION SPECIFIED, ETC., TO THE STARBUCKS CXA IMMEDIATELY UPON COMPLETION OF THE WORK.
- H. PROVIDE A LIST OF ALL FACTORY AND FIELD SETTINGS THAT HAVE BEEN PROGRAMMED INTO THE EQUIPMENT (SUCH AS SETPOINTS, SCHEDULES, DIP SWITCH SETTINGS, CONDENSER AND EVAPORATOR OPERATING PRESSURE/TEMPERATURE, ETC..).
- I. CONTRACTOR SHALL INFORM STARBUCKS CXA WHEN EQUIPMENT IS READY FOR FUNCTIONAL PERFORMANCE TESTING. ALL EQUIPMENT SHALL BE READY FOR FUNCTIONAL PERFORMANCE TESTING PRIOR TO STARTING TESTING. THIS INCLUDES REHEARSING ALL FUNCTIONAL PERFORMANCE TESTS BEFORE DEMONSTRATING TO THE CXA. CONTRACTOR SHALL OPERATE EQUIPMENT FOR STARBUCKS CXA AND VERIFY BY DEMONSTRATING THE CORRECT OPERATION OF EQUIPMENT, SENSOR CALIBRATION, RESPONSE OF ACTUATORS AND PROPER EXECUTION OF HVAC CONTROL AND LIGHTING SEQUENCES, INCLUDING BUT NOT LIMITED TO AIR MOVEMENT, TEMPERATURE, SOUND AND CONTROL RESPONSE. PROVIDE ANY SECURITY ACCESS, HARDWARE, SOFTWARE OR OTHER SUPPORT AS NEEDED FOR THE STARBUCKS CXA TO EFFICIENTLY WITNESS AND DOCUMENT ALL EQUIPMENT TESTING. STARBUCKS CXA WILL RECORD THE EQUIPMENT OPERATION AND RESPONSE TO TESTING SEQUENCES AND PREPARE A LIST OF ANY DEFICIENCIES DISCLOSED BY THE FUNCTIONAL PERFORMANCE TESTS FOR CORRECTION BY THE CONTRACTOR. EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, AIR HANDLING UNITS, ROOFTOP AND SPLIT TYPE, CONDENSING UNITS, EXHAUST FANS, LIGHTING CONTROLS, ETC... DELIVERABLES: PROVIDE COMPLETED COPIES OF ALL START UP REPORTS, FILLED OUT ON THE MANUFACTURER'S FORMS, TO THE STARBUCKS CXA.
- J. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES DISCLOSED DURING THE FUNCTIONAL PERFORMANCE TESTING PROCESS. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE.
- K. CONTRACTOR SHALL BE READILY AVAILABLE FOR ANY RE-TESTING OF EQUIPMENT DEEMED NECESSARY BY STARBUCKS CXA DURING INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ISSUES OR DEFICIENCIES FOUND IN THE SYSTEM DURING ANY AND ALL RE-TESTING. CORRECTIONS SHOULD BE MADE IN A TIMELY MANNER WITHOUT DISRUPTION TO THE SYSTEM AND CONSTRUCTION SCHEDULE. DELIVERABLES: FINAL BALANCE REPORT, DEFICIENCIES LIST NOTING CORRECTIVE ACTIONS PERFORMED BY CONTRACTOR IN RESPONSE TO INSTALLATION VERIFICATION AND FUNCTIONAL PERFORMANCE TEST RESULTS.
- L. CONSTRUCTION AND POST CONSTRUCTION TESTING: ADDITIONAL TESTING MAY BE REQUIRED BY LEED AND OTHER PROCESSES THAT MAY OCCUR OUT OF SEQUENCE WITH COMMISSIONING SERVICE. CONTRACTOR SHALL CONDUCT, DOCUMENT, SUPPORT AND SCHEDULE THIS TESTING AS DIRECTED BY STARBUCKS CXA.
- M. CONTRACTOR SHALL PROVIDE A TRAINING PLAN FOR EACH TRADE (MECHANICAL, ELECTRICAL, PLUMBING, RENEWABLE SYSTEMS) FOR THE CXA'S APPROVAL. THE TRAINING PLAN SHALL OUTLINE ALL THE TOPICS THAT ARE TO BE COVERED ALONG WITH THE TIME DURATION FOR EACH TOPIC. IT SHALL ALSO INCLUDE THE INSTRUCTOR'S NAME, QUALIFICATIONS AND COMPANY LOGO.
- N. THE CONTRACTOR IS RESPONSIBLE FOR RECORDING ATTENDANCE FOR EACH TRAINING SESSION. COPIES OF THESE SHALL BE SUBMITTED TO THE CXA.
- O. CONTRACTOR SHALL SUBMIT O&M MANUALS FOR ALL PIECES OF EQUIPMENT AT LEAST 6 WEEKS IN ADVANCE OF THE TRAINING SESSIONS.



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**MECHANICAL
NOTES**

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SHEET NUMBER:
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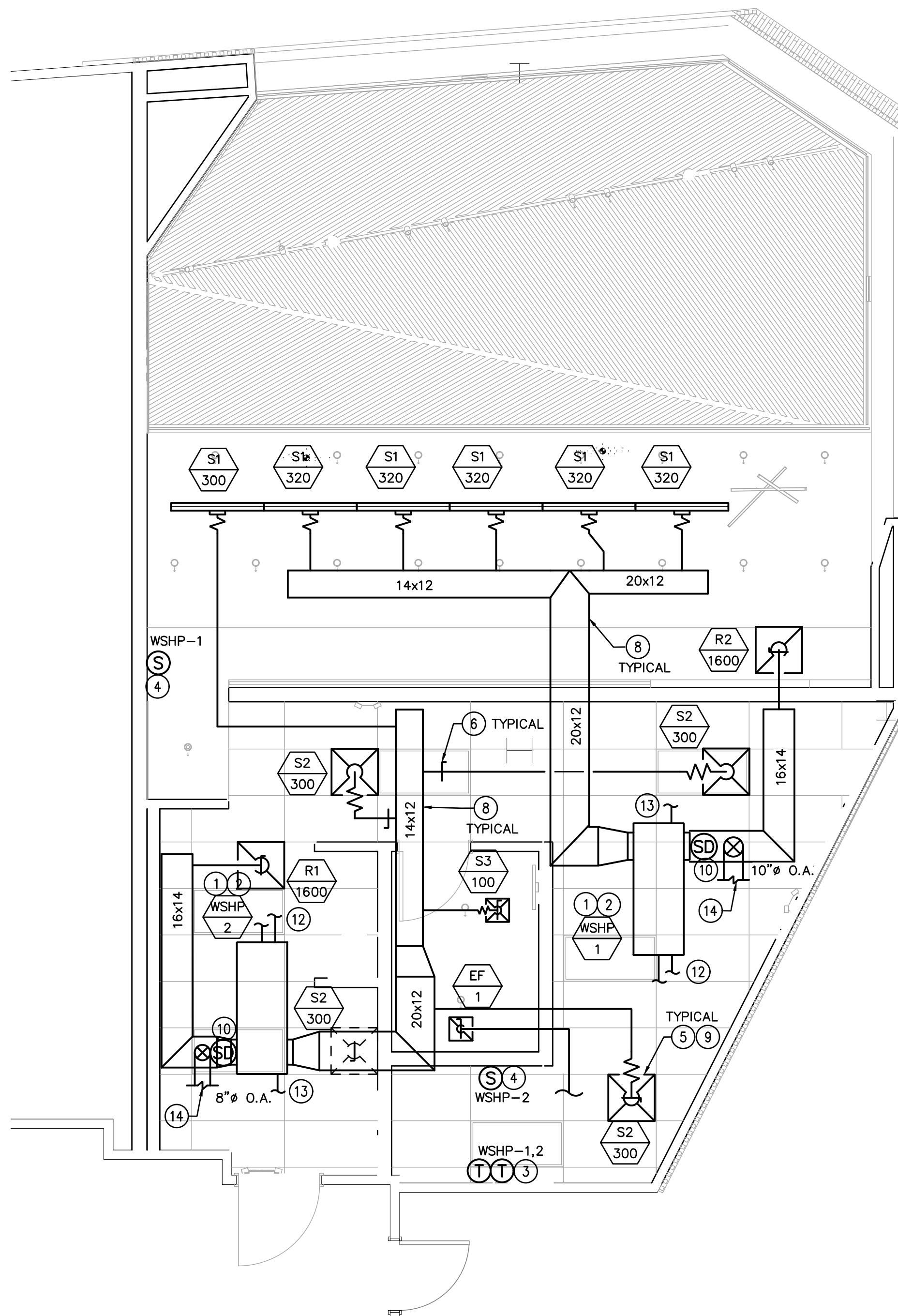
CASE
Engineering Inc.

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NOTES:

- 1 COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTION TO ALL MECHANICAL EQUIPMENT.
- 2 SUPPLY/RETURN DUCT CONNECTIONS TO WSHF SHALL BE MADE FULL SIZE OF EQUIPMENT OPENING WITH FLEXIBLE DUCT CONNECTIONS AT UNIT AND THEN TRANSITION TO THE SIZES SHOWN.
- 3 WALL MOUNTED THERMOSTAT AT 48" AFF. MULTIPLE THERMOSTATS SHALL BE STACKED IN A VERTICAL CONFIGURATION WITH A MINIMUM 8" CLEARANCE BELOW EACH THERMOSTAT.
- 4 REMOTE TEMPERATURE SENSOR AT 60" AFF. MULTIPLE SENSORS TO BE AVERAGED.
- 5 DIFFUSERS AND RETURNS CENTERED IN CEILING TILE.
- 6 MANUAL BALANCE DAMPER. TYPICAL FOR ALL.
- 7 10"Ø EXHAUST DUCT TO LANDLORD EXHAUST DUCT. VERIFY EXACT ROUTING IN THE FIELD.
- 8 FURNISH AND INSTALL GALVANIZED STEEL DUCTWORK. SIZES SHOWN ARE SHEET METAL SIZES. DUCTWORK ABOVE CEILINGS SHALL BE INSULATED WITH 1-1/2" EXTERNAL WRAP. ALL DIMENSIONS ARE CLEAR INSIDE DIMENSIONS.
- 9 MAXIMUM OF 5'-0" FLEXIBLE DUCTWORK.
- 10 PROVIDE SMOKE DETECTOR MOUNTED IN SUPPLY DUCT TO MEET CODE REQUIREMENTS. DETECTOR SHALL DE-ENERGIZE UNIT SUPPLY FAN UPON DETECTION OF SMOKE.
- 11 3" PVC WATER HEATER INTAKE AND FLUE VENT. TERMINATE ON ROOF WITH CONCENTRIC VENT KIT.
- 12 CONNECT 1" CWS/CWR PIPING FROM LANDLORD CONDENSER WATER SYSTEM TO WSHF. VERIFY EXACT ROUTING IN THE FIELD. INSULATE TO BUILDING STANDARD.
- 13 PROVIDE NEW 1" TYPE L COPEPR CONDENSATE PIPING FROM WSHF. ROUTED TO DRAIN INDIRECTLY INTO MOP SINK. INSULATE PIPING WITH 1" ARMAFLEX (OR SIMILAR) INSULATION.
- 14 ROUTE OUTSIDE AIR DUCT TO EXISTING LANDLORD OUTSIDE AIR DUCT. VERIFY EXACT ROUTING IN THE FIELD.



1 MECHANICAL PLAN
Scale: 1/4" = 1'-0"



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SHEET TITLE:
MECHANICAL PLAN

SCALE: AS SHOWN

SHEET NUMBER:

M101

CASE
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WATER SOURCE HEAT PUMP SCHEDULE															
MARK	MANUFACTURER	MODEL NO.	SUPPLY CFM	O.A. CFM	EXT. SP.	COOLING MBH		HEATING MBH	FLUID PRESSURE DROP (FT H2O)	GPM	SUPPLY FAN HP	ELECTRICAL			REMARKS
						TOT	SENS					MCA	MOCP	VOLT/PHASE	
WSHP-1	TRANE	GEHG048B	1600	250	0.5	52.5	40.2	63.5	6.78	8.0	1.0	23	35	208/3	1,2,3,4
WSHP-2	TRANE	GEHG048B	1600	135	0.5	52.5	40.2	63.5	6.78	8.0	1.0	23	35	208/3	1,2,3,4

1. PROVIDE AIR FILTER RACK TO PERMIT SERVICE OF FILTER, INSTALL MERV 8 FILTERS.
2. VERIFY ALL ELECTRICAL INFORMATION WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
3. PROVIDE WITH FIELD FABRICATED MIXING BOX FULL SIZE UNIT R.A. CONNECTION. PROVIDE WITH ECONOMIZER AND CONTROLS, ANTI-SHORT CYCLE TIMER, LOW LEAK MOTORIZED DAMPERS AND TEMPERATURE AND HUMIDITY SENSORS IN OUTDOOR AIR DUCT. PROVIDE ALL ACCESSORIES REQUIRED FOR ECONOMIZER OPERATION.
4. CONTRACTOR SHALL PROVIDE TWO (2) CHANGES OF THE FILTERS DURING CONSTRUCTION, ONE PRIOR TO TESTING AND BALANCING AND ONE AT TURNOVER TO OWNER. PRIOR TO TESTING AND BALANCING OF THE AIR VACUUM CLEAN AIR SIDE OF COILS, INSIDE OF AHU CASING AND FANS.

FAN SCHEDULE						
MARK	MANUFACTURER	MODEL NO.	CFM	SP	VOLTS/PH	REMARKS
EF-1	GREENHECK	SP-A250-VG	150	0.5	120/1	1,2

1. FURNISH AND INSTALL NEW CEILING EXHAUST FAN, WITH DIRECT DRIVE, DISCONNECT, SOLID STATE SPEED CONTROL, BACKDRAFT DAMPER.
2. VERIFY ELECTRICAL VOLTAGE/PHASE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING UNIT.

MECHANICAL OUTSIDE AIR VENTILATION DATA (BASED ON ASHRAE STANDARD 62)									
UNIT	ROOM NAME	ROOM PURPOSE	AREA SQ. FT.	# OF PEOPLE	CODE REQUIREMENTS			ACTUAL PROVIDED (O.A. CFM)	
					CFM/PER PERSON SUPPLY	CFM/SQ. FT. (O.A. CFM) SUPPLY	(O.A. CFM) SUPPLY		
WSHP-1	SALES	DINING	535	8	7.5	.18	195	200	
WSHP-2	BACKBAR	FOOD SERVICE	358	3	7.5	.18	108	110	
WSHP-2	WORKROOM 1	OFFICE	468	3	5	.06	53	60	
	RESTROOM	TOILET ROOM	51	0	-	-	-	15	

DUCT RUN-OUT SCHEDULE:	
DUCT CFM	DUCT SIZE
0 - 100	6" ROUND
101 - 240	8" ROUND
241 - 400	10" ROUND
401 - 700	12" ROUND
701 - 1000	14" ROUND
1001 - 1400	16" ROUND
1401 - 2000	18" ROUND

GENERAL NOTES
1. AIR DEVICE NECK SIZE SHALL BE THE SAME AS RUNOUT SIZE.
2. RECTANGULAR DUCT SIZES OF EQUIVALENT FREE AREA MAY BE SUBSTITUTED FOR ROUND DUCT.
3. RUNOUTS MAY BE RIGID OR FLEX DUCT PER SPECIFICATIONS.

HVAC CONTROLS			
DESIGN ID	COUNT	DESCRIPTION	RESP. COMMENTS
X0501	1	DATA CONCENTRATOR - VENSTAR SURVEYOR	SB PROVIDED AND INSTALLED BY EMS VENDOR: VENSTAR SBUXQUOTES@VENSTAR.COM 818-812-9805
X0502	2	THERMOSTAT-VENSTAR CT414	SB SEE MECHANICAL PLANS FOR LOCATIONS
X0503	2	TEMPERATURE SENSOR-VENSTAR RS410/400	SB SEE MECHANICAL PLANS FOR LOCATIONS
X0504	1	EQUIPMENT CONTROL PACK-VENSTAR SURVEYOR	SB PROVIDED AND INSTALLED BY EMS VENDOR: VENSTAR SBUXQUOTES@VENSTAR.COM 818-812-9805
X0505	1	OUTDOOR SENSOR-VENSTAR OTS400	SB PROVIDED AND INSTALLED BY EMS VENDOR: VENSTAR SBUXQUOTES@VENSTAR.COM 818-812-9805

MECHANICAL SCOPE OF WORK SUMMARY

THE FOLLOWING SCOPE OF WORK IS BASED ON THE LANDLORD'S WORKLETTER EXHIBIT C. THIS SCOPE OF WORK IS NOT INTENDED TO INDICATE THE FULL SCOPE, BUT ONLY A BROAD SUMMARY. THE GENERAL CONTRACTOR SHALL REFERENCE THE COMPLETE WORKLETTER FOR A MORE DETAILED DESCRIPTION OF WORK BY BOTH PARTIES. ANY QUESTIONS REGARDING SCOPE SHALL BE BROUGHT TO STARBUCKS ATTENTION FOR CLARIFICATION. RESPONSIBILITY INDICATED BELOW MEANS FURNISHED, PERMITTED AND INSTALLED BY THE PARTY INDICATED.

WORK DESCRIPTION	RESPONSIBILITY	
	LANDLORD	STARBUCKS
HVAC UNITS, CURB AND STRUCTURAL		X
HVAC UNIT ECONOMIZERS AND RELIEF		X
SMOKE DETECTORS IN DUCTWORK AND INTERLOCK		X
THERMOSTATS AND CONTROLS		X
EMS CONTROLS		X
MOTORIZED DAMPERS FOR BACKDRAFT		X
EXHAUST FAN, CURB AND MOTORIZED DAMPER		X
DUCTWORK 12" OR LARGER		X
DUCTWORK 10" OR SMALLER		X
MOTORIZED DAMPERS FOR CONNECTIONS		X
GAS SERVICE AND METER		X
GAS PIPING TO SPACE		X
GAS PIPING TO HOT WATER TANK		X
GAS PIPING TO HVAC UNITS	N/A	N/A
LOUVERS FOR INTAKES, EXHAUST AND PRESSURE RELIEF		X

HVAC SCHEDULE (PROVIDED BY GC):						
ITEM#	DESCRIPTION	MANUFACTURER	MODEL #	REMARKS	SKU #	SHIP
SUPPLY						
S1	LINEAR DIFFUSER -1 SLOT	TITUS	FL 25	48X6, SEE SCHEDULE FOR DUCT SIZES*, 1-SLOT. PAINT WHITE FOR DIFFUSERS LOCATED AT CAFE AND BACKBAR.		GC
S2	SQ. 4-WAY SUPPLY - LAY-IN	TITUS	TMS	24X24, SEE SCHEDULE FOR DUCT SIZES*		GC
S3	SQ. 4-WAY SUPPLY - FLANGED	TITUS	TDC	12X12, SEE SCHEDULE FOR DUCT SIZES*		GC
RETURN						
E1	EXHAUST GRILLE	TITUS	35ORL	10X10, SEE SCHEDULE FOR DUCT SIZES*		GC
R1	SQ. RETURN - LAY-IN	TITUS	35ORL	24X24, SEE SCHEDULE FOR DUCT SIZES*		GC
R2	SQ. RETURN - FLANGED	TITUS	35ORL	24X24, SEE SCHEDULE FOR DUCT SIZES*		GC

*NECK SIZE SHALL BE SAME SIZE AS DUCT RUN-OUT. SEE PLANS FOR RUN-OUT SIZES.

AIR BALANCE SCHEDULE						
UNIT MARK	SUPPLY AIR	OUTSIDE AIR	MAKE-UP AIR	EXHAUST AIR	RETURN AIR	NOTES
WSHP-1	1600 CFM	250 CFM	-	-	1600 CFM	
WSHP-2	1600 CFM	135 CFM	-	-	1600 CFM	
EF-1	-	-	-	150 CFM	-	
BLDG. TOTAL	3200 CFM	385 CFM	-	150 CFM	3200 CFM	NET 235 CFM

MAKE-UP:
A/C UNITS OUTSIDE AIR INTAKE FAN MAKE-UP +385
+0
385 CFM.
EXHAUST:
HOOD EXHAUST -0
GENERAL EXHAUST -150
-150 CFM.
BALANCE RESULTS:
OUTSIDE AIR +385
EXHAUST -150
+235 CFM.



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STARBUCKS TEMPLATE VERSION: I2023.10.23

ARCHITECT OF RECORD

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05-13-2024

PROJECT NAME:
VALLEY FAIR LEVEL II

PROJECT ADDRESS:
**2855 STEVENS CREEK BLVD
SAN JOSE, CA 95050**

STORE #: 05913
PROJECT #: 08696-088
ISSUE DATE: 05-13-2024
DESIGN MANAGER: A. SECCHI
PRODUCTION DESIGNER: D. SCHAFER
CHECKED BY: M. LYNCH

Revision Schedule

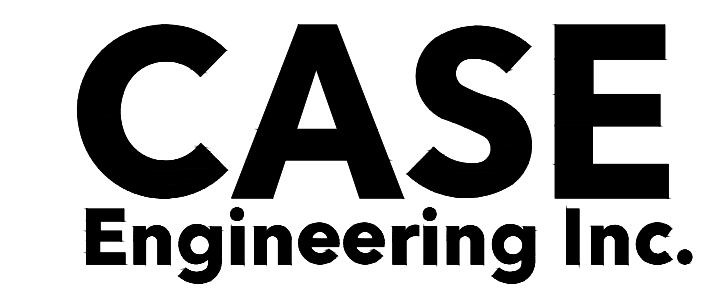
Rev	Date	By	Description

SHEET TITLE:
**MECHANICAL
DETAILS**

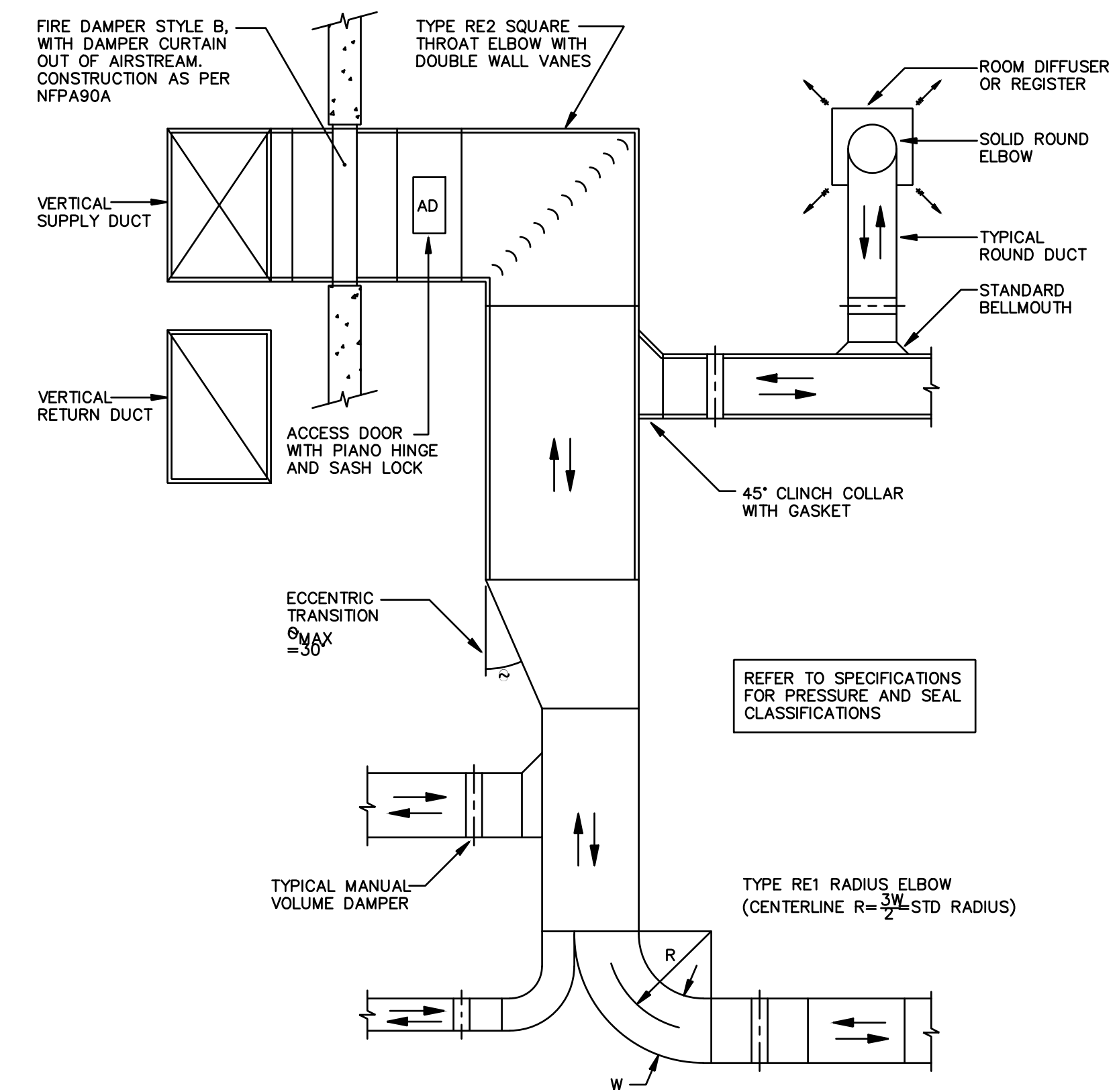
SCALE: AS SHOWN

SHEET NUMBER:

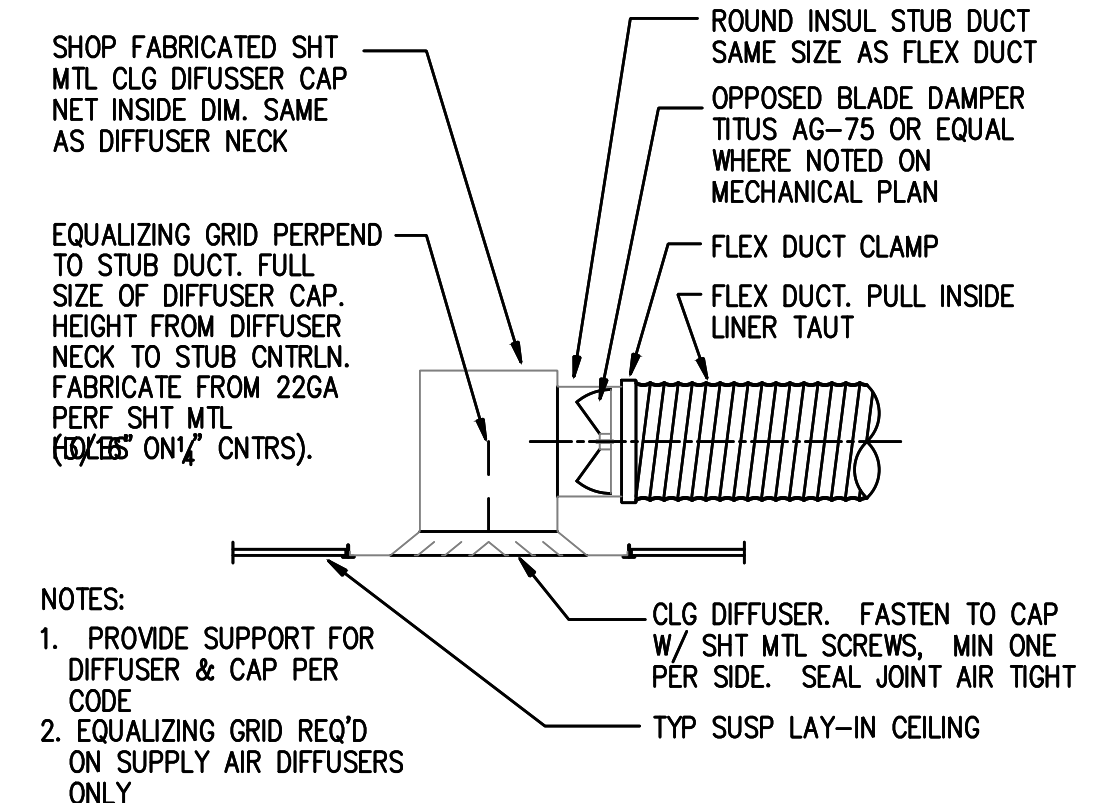
M501



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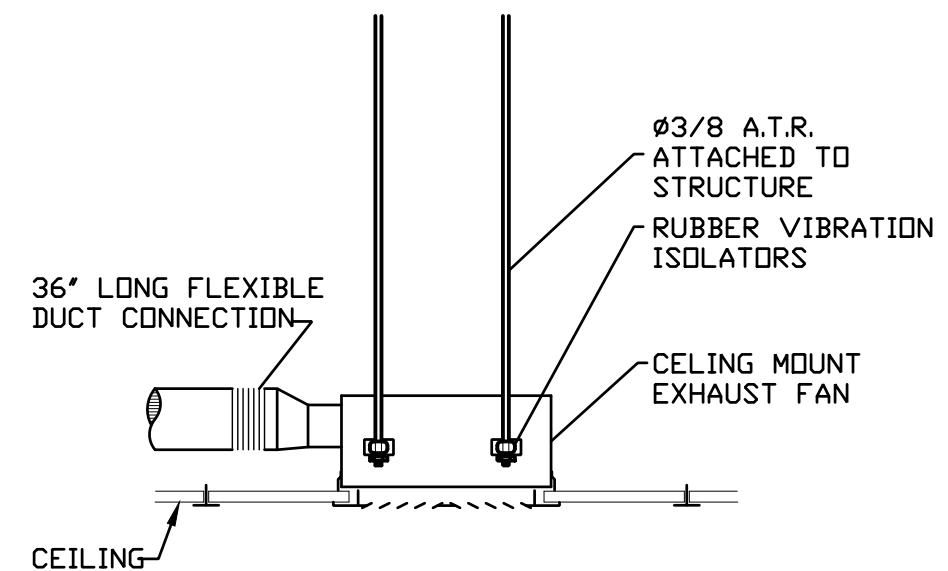


5 TYPICAL SUPPLY OR RETURN DUCT
N.T.S.

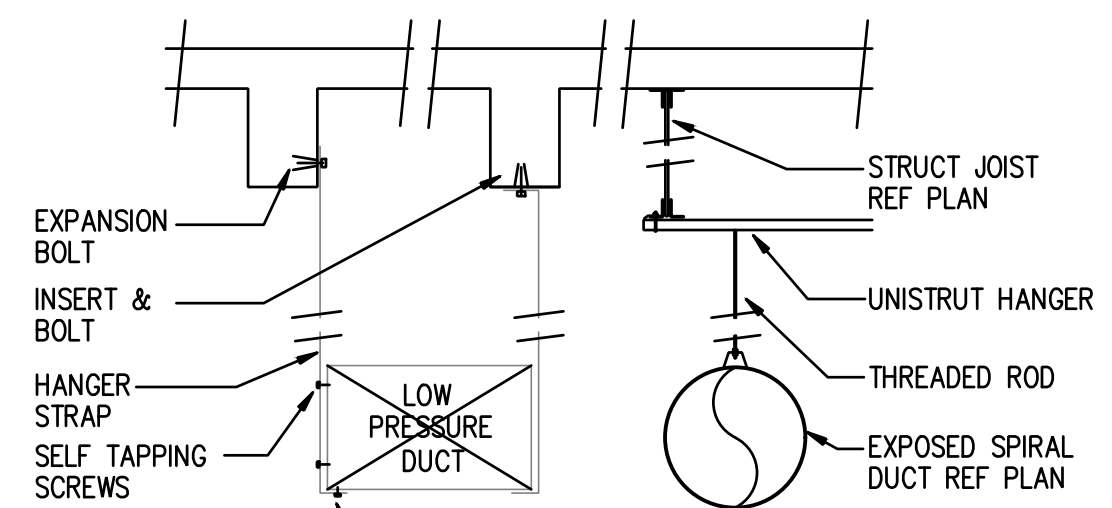


2 LAY-IN CLG DIFFUSER
N.T.S.

1 NOT USED
N.T.S.

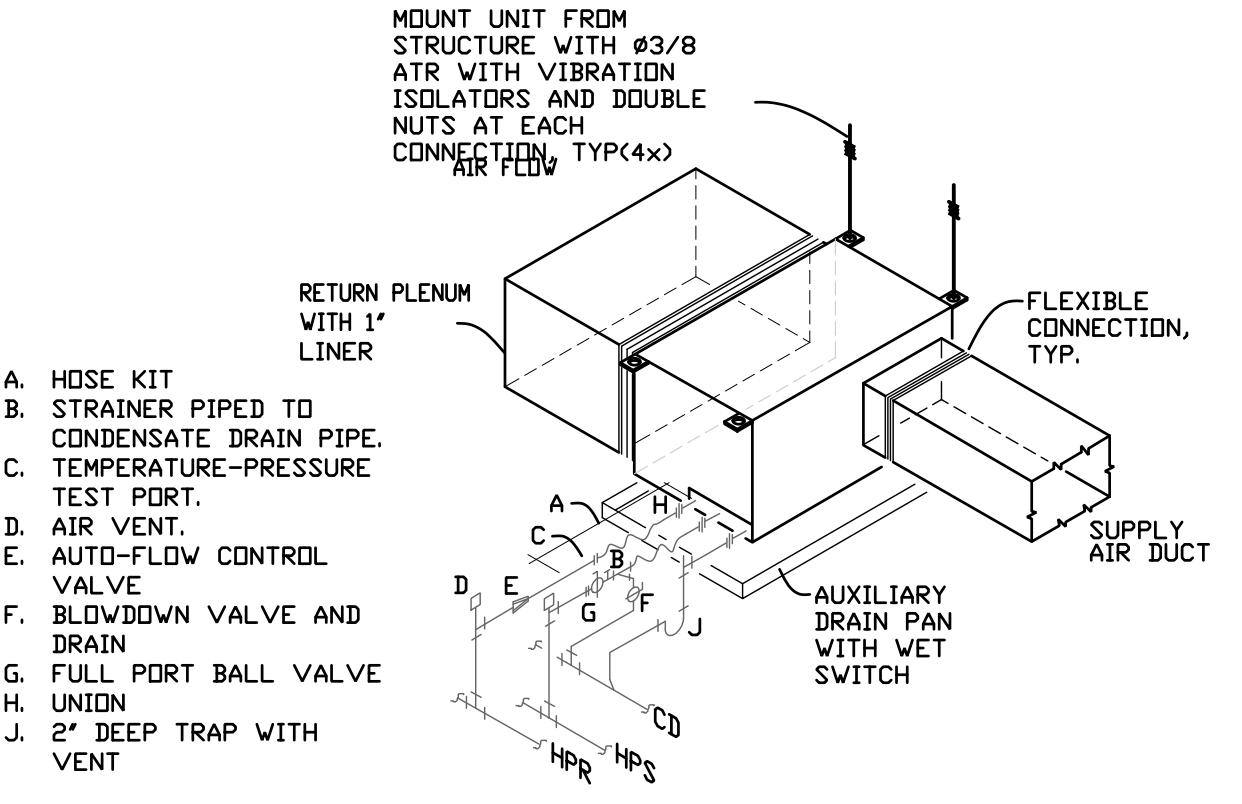


6 EXHAUST FAN DETAIL
N.T.S.



DUCT SIZE	HANGER SIZE	MAX SPACING
UP THRU 2 SF	1" x 1/8"	8'-0"
2 THRU 4 SF	1" x 7/8"	8'-0"
4 THRU 10 SF	1" x 1/2"	6'-0"
OVER 10 SF	1" x 1/2"	4'-0"

3 DUCT HANGING DETAIL
N.T.S.



4 WATER SOURCE HEAT PUMP DETAIL
N.T.S.