

May 14, 2025

HMC Architects Project No. 3431006000
City Permit No. B2024-1539

ADDENDUM NO. 2
Warehouse IT Office Addition
Lodi, California

HMC Architects

Optimized Energy and Facilities Consulting, Inc

1. ALL WORKMANSHIP, MATERIALS, APPLIANCES AND EQUIPMENT which may be included in the following items shall be the same relative quantity as described for similar work set forth in the original or main specifications of which these Addendum items shall be considered a part.
2. ADDENDUM DRAWINGS (included with this Addendum)
The following modify or supplement the issued bid documents.

AD2.01	REPLACE SHEET M0.00
AD2.02	REPLACE SHEET E1.1
3. PROJECT MANUAL
 - A. Section 00 01 20, List of Schedules
 1. Paragraph C: ADD note to read,

“4. Normal operating hours are available, please coordinate with warehouse activities. Normal operating hours of the warehouse are Monday-Friday, 6am-5pm ”

4. DRAWINGS

- A. Sheet M0.00, Mechanical Schedules, Detail, & Gen Notes
 - 1. DELETE sheet in its entirety and REPLACE with Sheet AD2.01 included with this addendum.
- B. Sheet E1.1, Electrical Improvement Plan Power & Signal
 - 1. DELET sheet in its entirety and REPLACE with Sheet AD2.02 included with this addendum.

5. BID QUESTIONS

- 1. Is full title 24 read and reports required?
Response: See Energy Sheets EN0.0 and EN0.1 for Energy Code requirements and reports.
- 2. Are Pre and Post read required?
Response: See Mechanical sheets, general note 23.
- 3. Will external condensate pumps be a requirement?
Response: Condensate pump for the new HVAC unit is not required. Gravity driven condensate piping above the t-bar ceiling should be achievable with the short distance to the exterior.
- 4. Who is IOR or are we to coordinate with local building department for permits and inspections?
Response: Inspections to be coordinated with the city and Lodi Unified School District.
- 5. Clarify that work can be done during the day, night and weekends to accommodate the schedule.
Response: Please see Addendum above.

6. Will the building still be occupied during construction phase? If so, please provide occupied schedule for facility.

Response: Please see Addendum above.

7. What is the acceptable downtime for electrical?

Response: Electrical shutdowns to be pre-scheduled with the district during off-hours or weekends.

8. Will contractor laydown and staging area be provided onsite?

Response: Laydown and staging location to be coordinated with district.

9. Is it the contractor's responsibility to provide temporary Facilities I.E portable restrooms? Temp heating or cooling?

Response: See Project Manual Volume 2 Sections 01 5000 for temporary facilities requirements.

10. Will DCV control and economizers be required on new Split System installations?

Response: No DCV control or economizers required.

11. Is it required for exposed outdoor insulation on outdoor piping to be metal jacketed?

Response: See note on plan A /M1.1.

12. Will current electrical infrastructure, I.E., breakers, wire sizing, conduit, be sufficient to handle new equipment loads?

Response: Yes, see Electrical Drawings for details.

13. Has there been a hazmat report done on this site? If so, please provide a report.

Response: Hazmat report is not required; building was constructed in 2007.

14. What is the requirement for service clearances for new units?

Response: Service clearances to follow code and manufactures requirements.

15. What is the exact date that the \$500 liquidated damages will start?

Response: Please see Project Manual Volume 1 Section 00 52 13 Agreement, paragraph 8.

16. If the equipment or materials are delayed, will the start date of LD's be extended?

Response: Please see Project Manual Volume 1 Section 00 72 13 General Conditions, section 16.2.1.

17. Will new fire/smoke detectors be required for HVAC, if so, will they need to be tied in to € FSL panel?

Response: Supply air smoke detector are not required since HVAC unit is less than 2000 cfm of air.

18. Please provide information on € FLS Panel.

Response: See Electrical Drawing

19. Please provide details for line set supports located on concrete walls.

Response: See Addendum above.

20. What is the existing fire alarm manufacturer?

Response: Manufacturer is Edwards.

21. Other than conduit stubs for data outlets, is structured cabling and equipment to be included in our scope of work.

Response: See Addendum above.

22. Please verify design for how the HVAC equipment above T-bar are to be secured or "hung".

Response: See Addendum above.

23. What will the drywall finish be on the Impact Resistant Gypsum Board? (For exterior of the Office Addition)

Response: See Project Manual Volume 2, Section 09 2900 Gypsum board, 3.4 Finishing.

24. On sheet S2.11, the Ceiling Framing Plan shows 15/32nd Plywood at the mezzanine. Please verify the entire mezzanine is to receive plywood.

Response: The entire mezzanine is to receive plywood as shown on S2.11.

* * * END OF ADDENDUM * * *

MECHANICAL GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE AUTHORITY(IES) HAVING JURISDICTION: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA FIRE CODE (CFC), 2022 CALIFORNIA MECHANICAL CODE (CMC), 2022 CALIFORNIA PLUMBING CODE (CPC), 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 CALIFORNIA ENERGY CODE (CENC), 2022 CALIFORNIA GREEN BUILDING CODE (CGC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND ANY OTHER LOCAL CODES, ORDINANCES, REGULATIONS, OR AUTHORITIES HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. THESE CODES SHALL DETERMINE MINIMUM REQUIREMENTS FOR MATERIALS, METHODS, AND LABOR PRACTICES NOT OTHERWISE DEFINED IN THESE SPECIFICATIONS.
- CONTRACTOR TO EXAMINE THE PROPOSED WORK SITE AND BECOME FAMILIAR WITH ALL JOB CONDITIONS AFFECTING THE WORK SHOWN. CONTRACTOR(S) SHALL FIELD-VERIFY SITE CONDITIONS INCLUDING LOCATIONS AND SIZES OF EXISTING PIPING, VALVES, CLEANOUTS, WASTE MAINS, GAS METERS, ETC., AND BIDS SHALL BE BASED ON ACTUAL FIELD CONDITIONS. NO ADDITIONAL ALLOWANCE WILL BE GRANTED DUE TO LACK OF KNOWLEDGE OF SITE CONDITIONS. ACCEPT SOLE AND COMPLETE RESPONSIBILITY FOR CONDITIONS OF THE JOBSITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.
- DRAWINGS INDICATE DIAGRAMMATICALLY THE ARRANGEMENT OF PRINCIPAL APPARATUS, PIPING, DUCTWORK, AND OTHER MATERIAL. FOLLOW DRAWING AS CLOSELY AS POSSIBLE IN ORDER TO ACHIEVE A NEAT INSTALLATION WHILE STILL WORKING AROUND ANY OBSTRUCTIONS. INSPECT SITE CONDITIONS AFFECTING THE WORK AND PROVIDE FITTINGS AND ACCESSORIES AS REQUIRED TO MEET CONDITIONS WHETHER SHOWN OR NOT.
- IT IS NOT THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL INCIDENTALS REQUIRED TO PROVIDE COMPLETE AND FULLY-OPERATIONAL SYSTEMS. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION SHALL BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED OR NOT. ENGINEER WILL PROVIDE INTERPRETATIONS UPON REQUEST.
- DEFINITIONS:
 - WORK: LABOR AND MATERIALS OF THE CONTRACTOR AND/OR SUBCONTRACTOR.
 - FURNISH: OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOBSITE IN NEW CONDITION AND GUARANTEE.
 - PROVIDE: FURNISH AND INSTALL.
 - CONNECT: BRING SERVICE TO THE EQUIPMENT AND MAKE FINAL ATTACHMENTS INCLUDING NECESSARY PIPE FITTINGS, DUCTWORK, TRANSITIONS, ETC.
 - CONCEAL: HIDE FROM SIGHT IN CHASES, FURRED SPACES, SHAFTS, ABOVE CEILING, EMBEDDED IN CONSTRUCTION, IN CRAWL SPACES, OR BURIED.
 - EXPPOSED: NOT INSTALLED UNDERGROUND OR CONCEALED AS DEFINED ABOVE.
 - PERFORMANCE: CONTRACTOR SHALL PERFORM ALL WORK SPECIFIED, INDICATED, AND REQUIRED UNLESS OTHERWISE NOTED, INCLUDING FINAL CONNECTIONS, IN A WORKMANLIKE MANNER USING WORKERS SKILLED AND EXPERIENCED IN THE TRADE. PIPES, FITTINGS, EQUIPMENT, GRILLES, REGISTERS, ETC. TO BE INSTALLED LEVEL, SQUARE, OR CENTERED, ETC. TO GIVE A NEAT APPEARANCE.
 - FULL FUNCTION: PROVIDE ALL MINOR ITEMS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.
- CONTRACTOR SHALL CONFIRM ALL SITE VOLTAGES BEFORE BIDDING AND ORDERING EQUIPMENT. REIMBURSE ELECTRICAL CONTRACTOR, AT NO CHARGE, TO CLIENT, FOR ELECTRICAL CONTRACTOR'S COST INCURRED DUE TO SUBSTITUTION OF MECHANICAL EQUIPMENT HAVING ELECTRICAL REQUIREMENTS DIFFERING FROM SITE CONDITIONS.
- CONTRACTOR SHALL PROVIDE THE OWNER WITH COPIES OF OPERATION, MAINTENANCE, AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING AND MECHANICAL EQUIPMENT.
- CONTRACTOR SHALL PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PROVIDE OTHER NECESSARY ADMINISTRATIVE FUNCTIONS FOR CONTRACTOR'S WORK.
- CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES.
- COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED HEREIN. REFER ALSO TO STRUCTURAL AND ELECTRICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK WITH OTHER TRADES.
- CUTTING AND PATCHING: CUT AND PATCH AS REQUIRED, CUT OR WELD STRUCTURAL MEMBERS ONLY WITH APPROVAL OF A STRUCTURAL ENGINEER. PATCHING SUBJECT TO ACCEPTANCE BY OWNER.
- SAW CUT TRENCHES IN SLAB SHALL BE FULLY RESTORED AND REINFORCED TO PREVENT SAGGING. ROUGHEN SAW CUT EDGES PRIOR TO RE-POURING CONCRETE.
- COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION. CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED. INSTALL ALL WORK TO CLEAR ARCHITECTURAL AND STRUCTURAL MEMBERS. INSTALL ALL ABOVE GRADE (OVERHEAD) PIPING AS HIGH AS PRACTICAL.
- RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK. ADJUST, CLEAN, REPAIR, OR REPLACE PRODUCTS, WHICH HAVE BEEN DAMAGED.
- GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR MINIMUM FROM DATE OF FILING NOTICE OF COMPLETION.
- PROVIDE FLASHING AND COUNTER FLASHING FOR ALL WALL AND ROOF PENETRATIONS.
- ADJUSTMENTS: MAKE MINOR ADJUSTMENTS TO WORK WHERE REQUESTED BY OWNER, WHEN SUCH ADJUSTMENTS ARE NECESSARY TO PROPER OPERATION AND WITHIN THE INTENT OF THE CONTRACT.
- MATERIALS AND EQUIPMENT: PROVIDE NEW, UL-LISTED, COMMERCIAL-GRADE MATERIALS, DEVICES, EQUIPMENT, AND FIXTURES SUITABLE FOR THE ENVIRONMENT WHERE INSTALLED. REUSE EXISTING ONLY WHEN COMPLIANT WITH THE CONTRACT DOCUMENTS, IN GOOD CONDITION, AND APPROVED BY THE ENGINEER.
- INSTALLATION: INSTALL ALL MATERIALS, EQUIPMENT, AND SYSTEMS IN FULL ACCORD WITH MANUFACTURER'S INSTRUCTIONS, CLEARANCES, ETC.
- LAYOUT: INSTALL ALL PIPING AND DUCTWORK TO PRESENT A NEAT AND ORDERLY APPEARANCE. RUN ALL LINES PARALLEL WITH BUILDING CONSTRUCTION AS MUCH AS POSSIBLE. MAINTAIN HEADROOM, EQUIPMENT CLEARANCE, AND GRADIENT WHERE REQUIRED. ALLOW FOR EXPANSION & CONTRACTION.
- ACCESS DOORS: PROVIDE ACCESS DOORS OR PANELS FOR ALL VALVES, CLEANOUTS, DAMPERS, CONTROLS, DEVICES, AND OTHER ITEMS REQUIRING INSPECTION OR MAINTENANCE.
- START-UP: THOROUGHLY TEST/DEMONSTRATE PROPER OPERATION OF ALL SYSTEMS AND EQUIPMENT MODIFIED, FURNISHED OR INSTALLED UNDER THIS CONTRACT.
- WARRANTY: ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY LEAKS AND/OR BREAKS IN PIPES AND FIXTURES INSTALLED UNDER THIS CONTRACT, AS WELL AS ANY DAMAGE FROM LEAKS VIA ROOF PENETRATIONS MADE AND SEALED UNDER CONTRACTOR'S SCOPE.
- PATCHING & PAINTING: RESTORE ANY DAMAGE RESULTING FROM THE WORK AND LEAVE PREMISES CLEAN, ADJUST, CLEAN, REPAIR, AND/OR REPLACE ANY ITEMS DAMAGED BY THE WORK. RESTORE WALL AND ROOF PENETRATIONS TO MATCH SURROUNDING WALL OR ROOF, RESPECTIVELY.
- AIR BALANCE: PROVIDE SERVICES NECESSARY TO VERIFY AIR QUANTITIES AND BALANCE FOR ESTABLISHED QUANTITIES AND UNIFORM TEMPERATURE IN THE SPACES SERVED. ADJUST ALL DAMPERS AND ELEMENTS IN GRILLES AND DIFFUSERS FOR PROPER AIR DISTRIBUTION AND TO MINIMIZE DRAFTS. COMPLY WITH SMACNA MANUAL FOR THE BALANCING AND ADJUSTMENT OF AIR DISTRIBUTION SYSTEMS.
- DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARD.
- MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE DEVELOPED INDEX NOT TO EXCEED 50, WHERE TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR UL 723.
- ALL SUPPLY BRANCH DUCTS SHALL HAVE MANUAL VOLUME BALANCING DAMPERS WITH ACCESSIBLE LOCKING TYPE QUADRANT.
- PROVIDE CONICAL FITTINGS FOR ALL ROUND TO RECTANGULAR DUCTWORK CONNECTIONS.
- PROVIDE TURNING VANES FOR RECTANGULAR DUCTWORK AT ALL HARD 90 DEGREE ELBOWS.
- DUCTWORK SHALL MEET UL 181, CLASS I AND NFPA 90A AND 90B. DUCT SHALL BE INSTALLED STRAIGHT AND SUPPORT SPACING SHALL BE IN STRICT ACCORDANCE WITH "SMACNA HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE". FLEXIBLE DUCTWORK TO BE 5' MAX LENGTH, AND SHALL BE EXTENDED TO THE FULLEST POSSIBLE LENGTH, IN ORDER TO MINIMIZE PRESSURE DROP IN THE DUCT. EXCESS DUCT LENGTHS SHALL BE SHORTENED TO PREVENT UNNECESSARY CHANGES IN DIRECTIONS. WHERE ABRUPT CHANGES IN DIRECTION ARE UNAVOIDABLE, USE ADJUSTABLE SHORT, RADIUS SHEET METAL ELBOWS TO MAKE DIRECTION CHANGES. CONNECTIONS AT METAL DUCTS OR COLLARS SHALL BE MADE BY DROW BANDS AND PRESSURE-SENSITIVE TAPE WITH THE DROW BANDS TIGHTENED AS RECOMMENDED BY THE MANUFACTURER WITH AN ADJUSTABLE TENSING TOOL. USING PRESSURE-SENSITIVE TAPE ALONE WITHOUT DROW BANDS IS NOT ACCEPTABLE. ALL PRESSURE-SENSITIVE TAPES AND MASTICS USED SHALL COMPLY WITH UL 181.
- HVAC EQUIPMENT SHALL NOT BE OPERATED DURING CONSTRUCTION WITHOUT A FILTER INSTALLED TO PROTECT THE EVAPORATOR COIL. AFTER ALL CONSTRUCTION IS COMPLETED, ALL CONSTRUCTION FILTERS SHALL BE REMOVED AND NEW FILTERS SHALL BE INSTALLED.
- HVAC EQUIPMENT SHALL BE CERTIFIED BY THE MANUFACTURER FOR COMPLIANCE WITH CALIFORNIA ENERGY COMMISSION STANDARDS.

MECHANICAL CALGREEN NOTES

- 5.504.1 THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR, IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.
- 5.504.3 AT THE TIME OF ROUGH INSTALLATION OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENTS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
- 5.504.5.3 IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MERV OF 13.
- 5.506.1 FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF CENC 120.1, CHAPTER 4 OF CCR, TITLE 8 OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.
- 5.506.2 BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH CENC 120.1.
- 5.508.1 INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.
- 5.508.1.1 CHLOROFLUOROCARBONS (CFC'S). INSTALL HVAC AND REFRIGERATION EQUIPMENT THAT DOES NOT CONTAIN CFC'S.
- 5.508.1.2 HALONS. INSTALL FIRE SUPPRESSION EQUIPMENT THAT DOES NOT CONTAIN HALONS.
- 5.410.4.5 PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTEES/WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION.
- 5.410.4.5 TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR BUILDINGS LESS THAN 10,000 SQUARE FEET OR NEW SYSTEMS TO SERVE AN ADDITION OR ALTERATION SUBJECT TO SECTION 303.1.
- 5.410.4.3.1 BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, THE SYSTEM SHOULD BE BALANCED IN ACCORDANCE WITH THE PROCEDURES DEFINED BY NATIONAL STANDARDS LISTED IN SECTION 5.410.4.3.1.

RIGID DUCT SCHEDULE

TYPE	DUCT SIZE (IN.)	MINIMUM THICKNESS (IN.)	GALVANIZED GAUGE NO.
ROUND	≤14	0.0157	28
	16-18	0.0187	26
	≥20	0.0236	24
RECTANGULAR	≤14	0.0157	28
	>14	0.0187	26

AIR TERMINAL DEVICE SCHEDULE

TAG	TYPE	MANU.	MODEL	MOUNTING LOCATION	FRAME	MODULE SIZE	NECK SIZE	REMARKS
CD-1	CEILING DIFFUSER	TITUS	MCD	CEILING	BORDER TYPE 3	24"x24"	SEE PLANS	LAY-IN, STEEL DIFFUSER WITH 4-WAY DEFLECTION
CR-1	CEILING RETURN	TITUS	50F	CEILING	BORDER TYPE 3	24"x24"	SEE PLANS	LAY-IN, ALUMINUM EGGRATE GRILLE

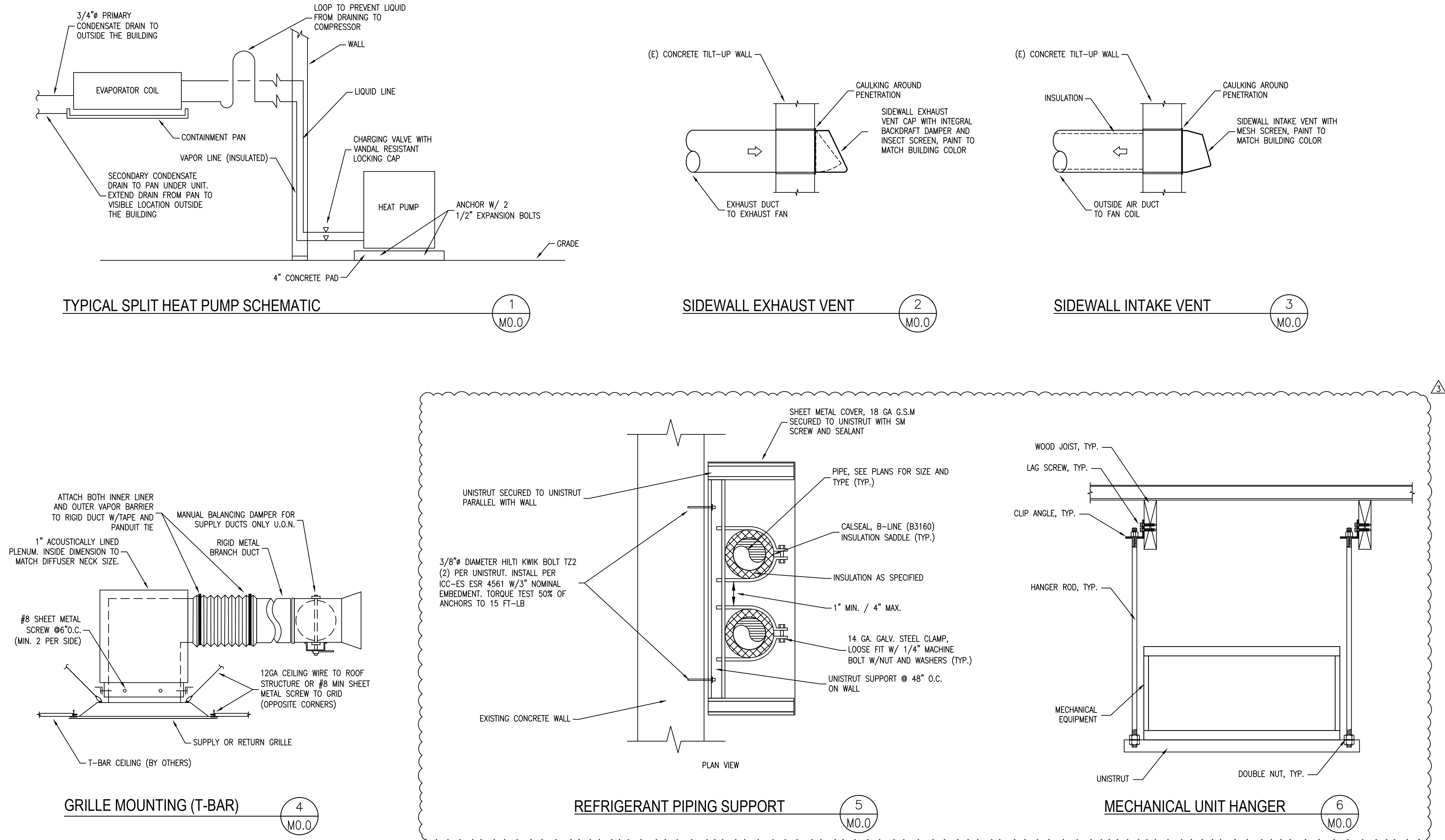
EXHAUST FAN SCHEDULE

TAG	MANU.	MODEL	MOUNTING TYPE	SERVES	CFM	E.S.P.	RPM	ELECTRICAL				SONES	WEIGHT (LBS.)	REMARKS
								V-φ-Hz	WATTS	AMPS	BHP	HP		
EF-1	PANASONIC	FV-1115VK2	IN T-BAR CEILING	RESTROOM	110	0.1"	625	115-1-60	6.9	0.24	-	-	<0.3	10.1

FAN SHALL BE CONTROLLED VIA OCCUPANCY SENSOR

MINI-SPLIT HEAT PUMP SCHEDULE

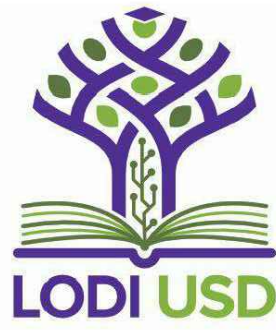
OUTDOOR UNIT																	INDOOR UNIT													SEER (EER)	HSFP	REMARKS																		
TAG	MANU.	MODEL	LOCATION	TONS	COOLING			HEATING MBH		ELECTRICAL						WEIGHT (LBS.)	TAG	TYPE	MANU.	MODEL	LOCATION	SERVES	TONS	CFM	ESP	FAN FLA	MIN. OSA	WEIGHT (LBS.)																						
HP-1	MITSUBISHI	TRU2A0361KA70BA	OUTSIDE ON CONCRETE PAD	3.0	36.0	27.7	80F	67F	95F	38.0	24.0	208-1-60	1.0	8.0	25.0	31	214	FC-1	DUCTED	MITSUBISHI	TPWA040361AA70AA	ABOVE OFFICE ON JOIST FRAMING	IT OFFICE	3.0	1125	0.5"	4.40	110	172	19.3 (9.8)	9.5	1, 2, 3, 4, 5, 6																		
1) DUCTED MINI-SPLIT HEAT PUMP WITH MULTI-POSITION AIR HANDLER, HIGHLY EFFICIENT TOTALLY ENCLOSED ECM INDOOR MOTOR, VARIABLE SPEED INVERTER DRIVEN COMPRESSOR																	3) PROVIDE WITH WIRED, ENERGY CODE COMPLIANT CONTROLLER CAPABLE OF AUTOMATIC SCHEDULING																	5) INDOOR UNIT IS POWERED BY OUTDOOR UNIT, ENSURE ELECTRICAL CONTRACTOR PROVIDES WIRING PER MANUFACTURER REQUIREMENTS																
2) PROVIDE FILTER RACK WITH 2" THROWAWAY FILTERS & PROVIDE 2" PLATED MERV 13 FILTERS UPON COMPLETION																	4) PROVIDE 5/8" SUCTION AND 3/8" LIQUID LINE SETS PER MANUFACTURER REQUIREMENTS																	6) PROVIDE UNIT WITH SECONDARY CONDENSATE OVERFLOW PROTECTION PER CPC 814.2																



MECHANICAL LEGEND

	POC
	GAS POC
	COLD WATER POC
	CONDENSATE POC
	POWER AND CONTROL WIRING
	SWITCH
	THERMOSTAT
	CO2 SENSOR
	FLEX DUCT
	DAMPER
	DUCT REDUCER
	CEILING DIFFUSER - TBAR
	CEILING DIFFUSER - HAROLD
	SIDE/SPIRAL DIFFUSER/RETURN
	SLOT DIFFUSER/RETURN
	CEILING RETURN - TBAR
	CEILING RETURN - HAROLD
	EXHAUST GRILLE - TBAR
	EXHAUST GRILLE - HAROLD
	CEILING FIRE-SMOKE DAMPER
	FIRE-SMOKE DAMPER
	SUPPLY AIR
	RETURN AIR
	EXHAUST AIR
	DIAMETER
	AIR CONDITIONING
	ON CENTER
	CUBIC FEET PER MINUTE
	FROM ABOVE, TO BELOW
	FROM BELOW, TO ABOVE
	FIRE DAMPER
	FIRE SMOKE DAMPER
	GAUGE
	GALLONS PER MINUTE
	HORSEPOWER
	BRAKE HORSEPOWER
	MAXIMUM / MINIMUM
	NOT TO SCALE
	OUTSIDE AIR
	RETURN AIR
	SUPPLY AIR
	SHEET METAL SCREW
	TYPICAL
	UNLESS OTHERWISE NOTED

AGENCY APPROVAL:



HMC Architects

3431006000

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ISSUE

DESCRIPTION	DATE
PC COMMENTS	10/29/24
BID ADDENDUM 1	05/14/25



FACILITY:

LODI UNIFIED SCHOOL DISTRICT WAREHOUSE
851 GUILD AVENUE, LODI, CA 95240

PROJECT:

WAREHOUSE IT OFFICE ADDITION

SHEET NAME:

MECHANICAL SCHEDULES,
DETAILS, & GEN. NOTES

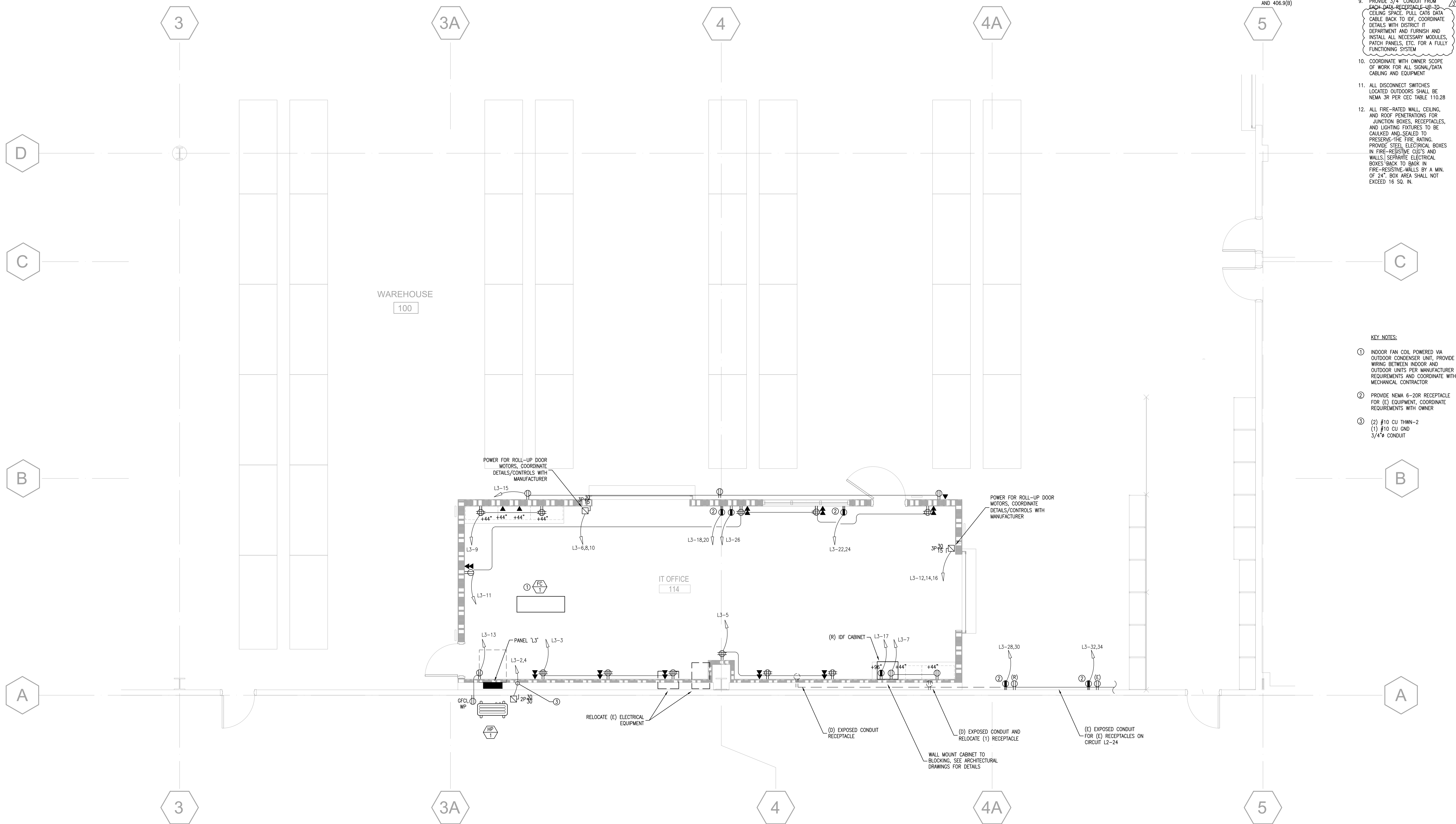
CONSTRUCTION DOCUMENTS

DATE: 06/05/24

CLIENT PROJ NO:

SHEET:

MO.O
AD2.01



A ELECTRICAL IMPROVEMENT PLAN - POWER & SIGNAL
SCALE: 1/4"=1'-0"

SHEET NOTES:

- (E) EXISTING
(N) NEW
(R) RELOCATED
(D) DEMO
- ALL RECEPTACLES/EQUIPMENT SHOWN ARE (N) U.O.N.
- BRANCH CIRCUITS: ALL WIRING SHALL BE #12 AWG CU AND ALL WIRING INSULATION SHALL BE THWN-2, U.O.N.
- BOTTOM OF BOXES FOR RECEPTACLES AND DATA PORTS SHALL BE AT 16" ABOVE FINISHED FLOOR, U.O.N.
- GFCI RECEPTACLES SHALL BE WIRED IN PARALLEL
- ALL RECEPTACLES LOCATED OUTSIDE SHALL BE TYPE WEATHER RESISTANT, GFCI WITH EXTRA DUTY IN-USE COVER, PER NEC 210.8 AND 406.9(B)
- SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, AND MOTOR CONTROL CENTERS THAT ARE IN OTHER THAN DWELLING OCCUPANCIES AND ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT. NEC 110.16
- ALL RECEPTACLES IN THIS SPACE WILL BE SERVING DATA EQUIPMENT AND IT COMPUTER AND ARE THEREFORE EXEMPT FROM CONC 130.5(d) REQUIREMENTS FOR CONTROLLED RECEPTACLES
- PROVIDE 3/4" CONDUIT FROM EACH DATA RECEPTACLE UP TO CEILING SPACE. PULL CAT5 DATA CABLE BACK TO IDF. COORDINATE DETAILS WITH DISTRICT DEPARTMENT AND FURNISH AND INSTALL ALL NECESSARY MODULES, PATCH PANELS, ETC. FOR A FULLY FUNCTIONING SYSTEM
- COORDINATE WITH OWNER SCOPE OF WORK FOR ALL SIGNAL/DATA CABLEING AND EQUIPMENT
- ALL DISCONNECT SWITCHES LOCATED OUTDOORS SHALL BE NEMA 3R PER NEC TABLE 110.28
- ALL FIRE-RATED WALL, CEILING, AND ROOF PENETRATIONS FOR JUNCTION BOXES, RECEPTACLES, AND LIGHTING FIXTURES TO BE CALKED AND SEALED TO PRESERVE THE FIRE RATING. PROVIDE STEEL ELECTRICAL BOXES IN FIRE-RESISTIVE CEILING AND WALLS. SEPARATE ELECTRICAL BOXES BACK TO SHOWN IN FIRE-RESISTIVE WALLS BY A MIN. OF 24". BOX AREA SHALL NOT EXCEED 16 SQ. IN.

KEY NOTES:

- INDOOR FAN COIL POWERED VIA OUTDOOR CONDENSER UNIT, PROVIDE WIRING BETWEEN INDOOR AND OUTDOOR UNITS PER MANUFACTURER REQUIREMENTS AND COORDINATE WITH MECHANICAL CONTRACTOR
- PROVIDE NEMA 6-20R RECEPTACLE FOR (E) EQUIPMENT, COORDINATE REQUIREMENTS WITH OWNER
- (2) #10 CU THWN-2
(1) #10 CU GND
3/4" CONDUIT

AGENCY
APPROVAL:



HMC Architects

3431006000

3546 CONCOURS STREET
ONTARIO, CA 91764
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ISSUE

DESCRIPTION	DATE
PC COMMENTS	10/29/24
BID ADDENDUM 1	05/14/25

OPTIMIZEDENERGY™
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FACILITY:
LODI UNIFIED SCHOOL DISTRICT WAREHOUSE
851 GUILD AVENUE, LODI, CA 95240

PROJECT:
WAREHOUSE IT OFFICE ADDITION

SHEET NAME:
**ELECTRICAL IMPROVEMENT PLAN
POWER & SIGNAL**

CONSTRUCTION DOCUMENTS

DATE: 06/05/24 CLIENT PROJ NO:

SHEET:



NORTH

PLEASE RECYCLE ♻️

E1.1
AD2.02