-Smoke Damper

Comb. Fire/

Smoke Damper

Fire Damper

 $\qquad \qquad \blacksquare \quad \bullet$ 

\* NOTE \*

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN

THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE

USED IN THIS SET OF DRAWINGS.



	HVAC SHEET INDEX
M0.1	HVAC Title Sheet
M1.1	Basement HVAC Plan
M1.2	1st Floor HVAC Plan
M1.3	Mezzanine HVAC Plan
M1.4	2nd Floor HVAC plan
M1.5	Roof HVAC plan
M5.1	Kitchen Equipment Selections
M5.2	Kitchen Equipment Selections
M6.1	HVAC Schedules
M6.2	HVAC Details

GE	NERAL HVAC NOTES
A.	CONTRACTOR SHALL LOCATE THERMOSTATS AND
	HUMIDISTATS AT 4'-0" AFF UNLESS NOTED OTHERWISE.
	MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 8" FROM
	LIGHT SWITCHES.
B.	CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING
	EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER
	INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL,

- STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER. WHERE INSTALLED ABOVE CEILINGS. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH MINIMUM 1/2" FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE
- RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE. COORDINATE THE EXACT LOCATION OF ALL CEILING
- DIFFUSERS, REGISTERS, AND GRILLES WITH LIGHTING. PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS OTHERWISE NOTED.
- PROVIDE BALANCING DAMPERS FOR ALL AIR DEVICES AS REQUIRED TO BALANCE AIRFLOWS AS INDICATED ON PLANS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. HVAC EQUIPMENT SHALL NOT BE UTILIZED UNTIL ALL DUST PRODUCING CONSTRUCTION ACTIVITY HAS BEEN
- COMPLETED. CONTRACTOR SHALL BE REQUIRED TO OBTAIN APPROVAL FROM OWNER PRIOR TO EQUIPMENT STARTUP, AND TO REPLACE FILTERS ON HVAC EQUIPMENT UPON FINAL COMPLETION. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND
- SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0"
- FROM EDGE OF ROOFS WITHOUT A 42" HIGH PARAPET OR GUARD RAIL. WHERE PROVIDING 10'-0" SEPARATION FROM ROOF EDGE IS NOT POSSIBLE, PROVIDE PERMANENT FALL ARREST ANCHORS COMPLIANT WITH ANSI/ASSP Z359.1. COORDINATE WITH GENERAL CONTRACTOR. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT
- OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL
- INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED. TRANSITION FROM PIPING AND DUCTWORK SIZES SHOWN TO
- PROPERLY CONNECT TO MECHANICAL EQUIPMENT. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE
- RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL SHALL BE
- SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED. PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND
- MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

# **GENERAL MECHANICAL DEMOLITION NOTES**

- ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
- WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB. ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED. COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL
- DEMOLITION WITH G.C. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
- REMOVE ALL MECHANICAL INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE
- WITH OWNER AND G.C. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
- NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED. FIELD VERIFY EXACT LOCATION OF ALL EXISTING MECHANICAL INSTALLATION INDICATED ON DRAWINGS. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW

CONDITION PRIOR TO RE-USE.

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- 1 ROUTE DUCTWORK UP IN CHASE TO FLOOR ABOVE. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, OTHER TRADES, AND G.C.
- 2 ROUTE DUCTWORK THROUGH BASEMENT AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM. ROUTE DUCTWORK BETWEEN AND THROUGH TRUSSES WHERE POSSIBLE.

**Jones**GillamRen

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REMODEL AND ADDITIONS: PELE'S PLAYGROUND

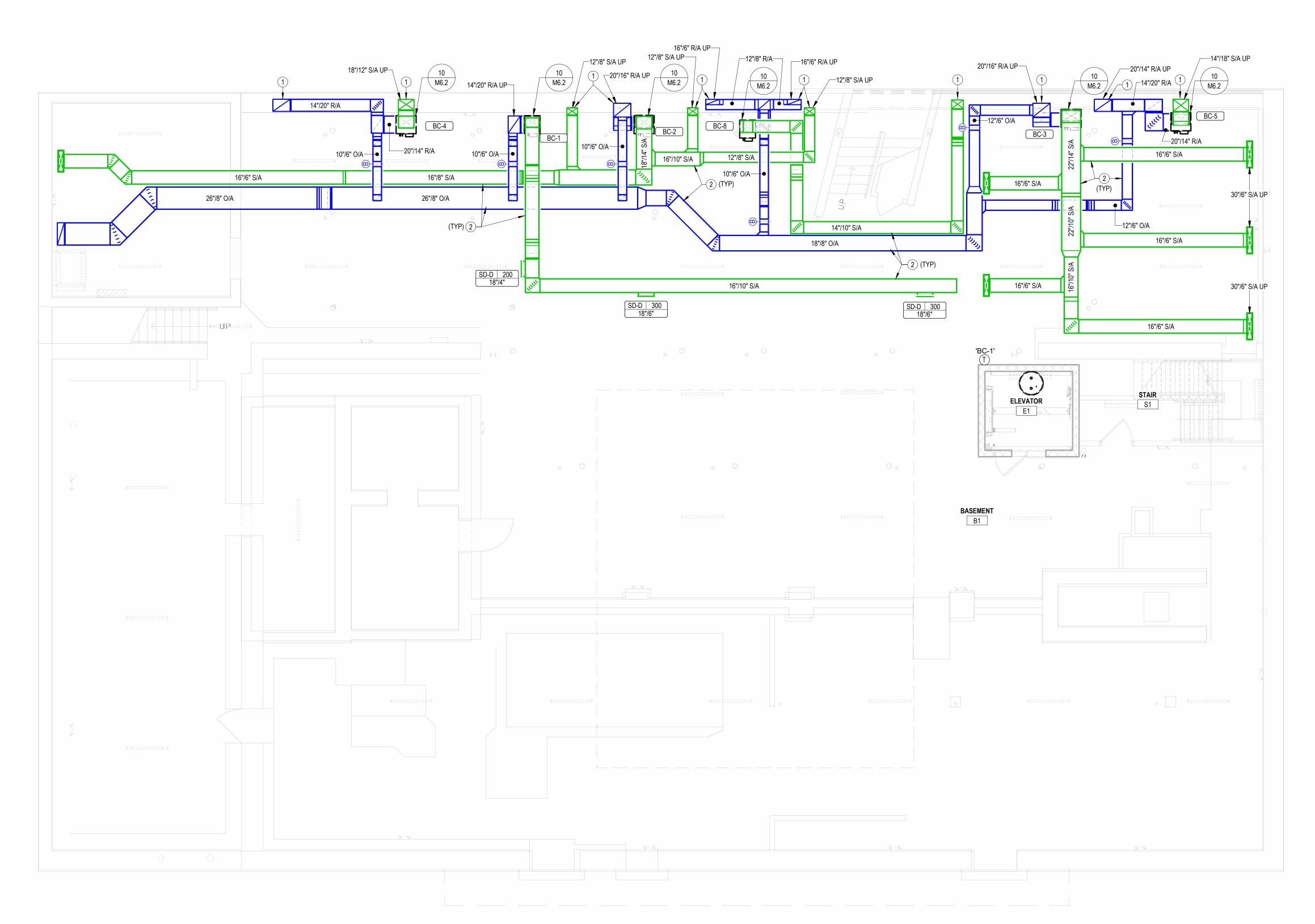
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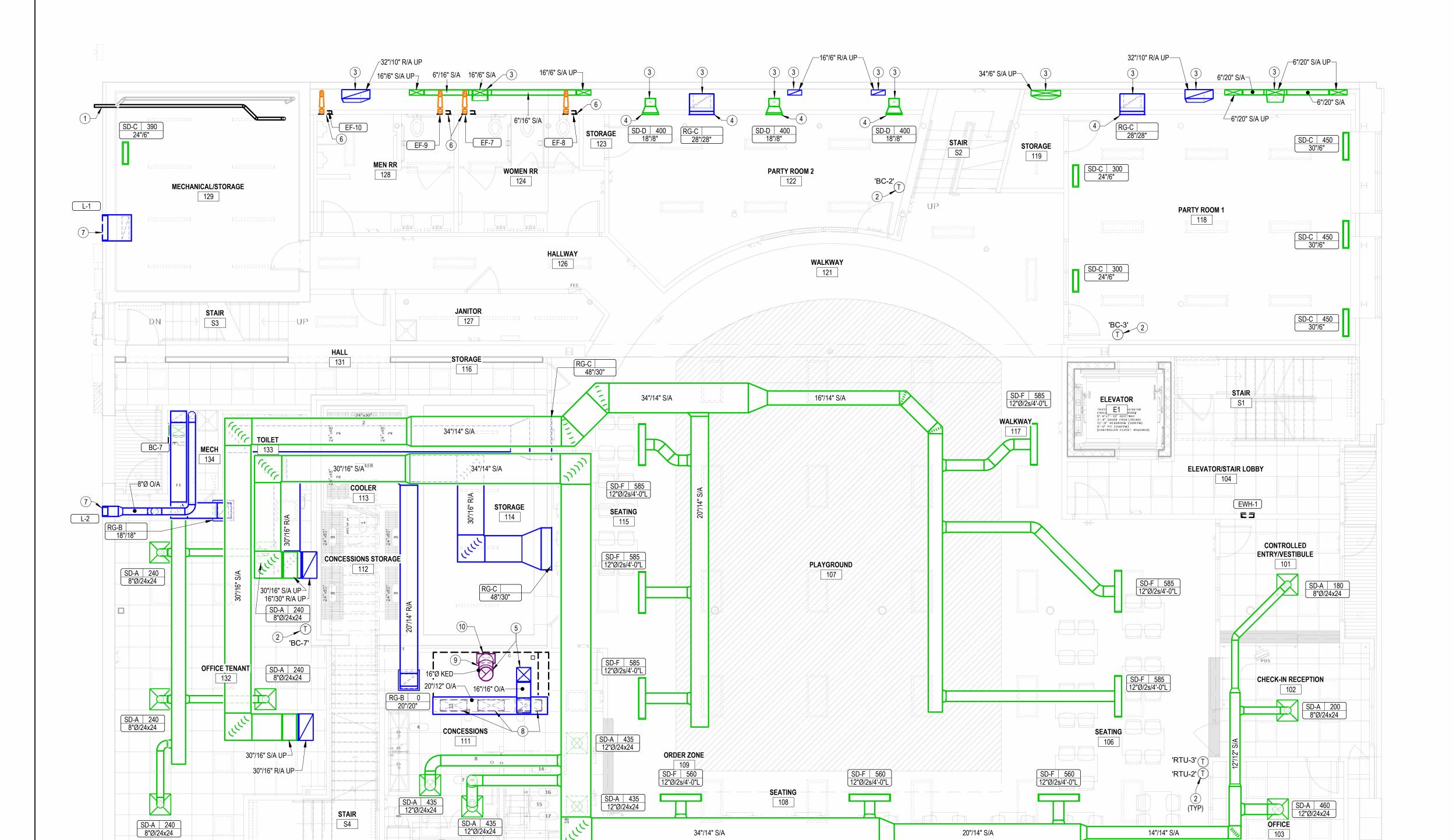
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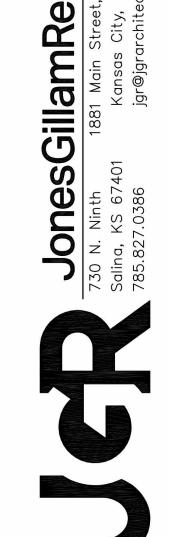


#### **NOTES BY SYMBOL**

- 1 ROUTE PVC INTAKE AND VENT PIPING FROM WATER HEATER TO CONCENTRIC VENT WALL CAP.
- 2 COORDINATE FINAL LOCATION OF ALL THERMOSTATS WITH OWNER PRIOR TO ROUGH-IN.
- 3 ROUTE DUCTWORK DOWN IN CHASE TO BASEMENT. COORDINATE EXACT
- ROUTING WITH EXISTING CONDITIONS, OTHER TRADES, AND G.C. MOUNT GRILLE HIGH ON WALL. COORDINATE EXACT ELEVATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 5 ROUTE KITCHEN HOOD EXHAUST DUCT AND MAKE-UP AIR DUCT UP THROUGH CHASE TO EQUIPMENT ON ROOF.
- 6 MOUNT CABINET FANS IN WALL AS HIGH AS POSSIBLE AND ROUTE EXHAUST DUCTWORK UP IN CHASE TO ABOVE CEILING AT MEZZANINE. SEE MEZZANINE PLAN FOR CONTINUATION.
- MAINTAIN 10'-0" MIN. FROM EXHAUST TERMINATIONS TO O.A. INTAKES.
- CONNECT TO 30"x12" CONNECTIONS AT SUPPLY PLENUM. SEE SHEET M5.1 AND 5.2 FOR KITCHEN HOOD INFO.
- KITCHEN EXHAUST DUCT SHALL BE PRE-FABRICATED DOUBLE WALL INSULATED GREASE EXHAUST DUCT RATED FOR 0" CLEARANCE TO COMBUSTIBLES, METAL FAB OR EQUAL. PROVIDE WITH CLEANOUTS WITH ACCESS PANELS AS REQUIRED AT EACH FLOOR AND AT CHANGES IN DIRECTION. COORDINATE ACCESS PANEL LOCATIONS AND REQUIREMENTS WITH G.C. AND ARCH.
- 10 UTILIZE PRE-FAB GREASE DUCT TRANSITION WITH 0" CLEARANCE TO COMBUSTIBLES AND CONNECT TO EXHAUST HOOD.



- 1 ROUTE EXHAUST DUCT TO WALL CAP. MAINTAIN 10'-0" MIN. FROM EXHAUST TERMINATION TO O.A. INTAKES.
- 2 COORDINATE FINAL LOCATION OF ALL THERMOSTATS WITH OWNER PRIOR TO ROUGH-IN.
- ROUTE DUCTWORK DOWN IN CHASE TO BASEMENT. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, OTHER TRADES, AND G.C.
- MOUNT GRILLE HIGH ON WALL. COORDINATE EXACT ELEVATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 5 PROVIDE ALL CEILING AIR DEVICES IN RATED CEILING MEMBRANES WITH CEILING RADIATION DAMPERS AND FIRE RATED BLANKETS, AS REQUIRED.
- ROUTE DUCTWORK BETWEEN AND THROUGH TRUSSES WHERE POSSIBLE. COORDINATE ROUTING WITH OTHER TRADES AND EXISTING CONDITIONS.
- 8 PROVIDE ALL DUCT PENETRATIONS IN RATED CEILING MEMBRANES WITH CEILING RADIATION DAMPERS, AS REQUIRED.



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REMODEL AND ADDITIONS: PELE'S PLAYGROUND

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DATE: 3/20/2025

JOB: 24-3421

SHEET NO.:

20"/14" S/A

BAR STORAGE

SD-A 400 10"Ø/24x24

34"/14" S/A

34"/14" S/A

SD-F 585 12"Ø/2s/4'-0"L

SD-F 585 12"Ø/2s/4'-0"L

SD-F 585 12"Ø/2s/4'-0"L

> SD-F 560 12"Ø/2s/4'-0"L

> > 34"/14" S/A

PARTY ROOM 4

M08

SEATING

MENS RR M16

**WOMENS RR** 

M14

MECH/JANITOR

STAIR

S3

L-2

1 MEZZANINE HVAC PAN M1.3 3/16" = 1'-0"

(<u>()</u>

HALLWAY

M12

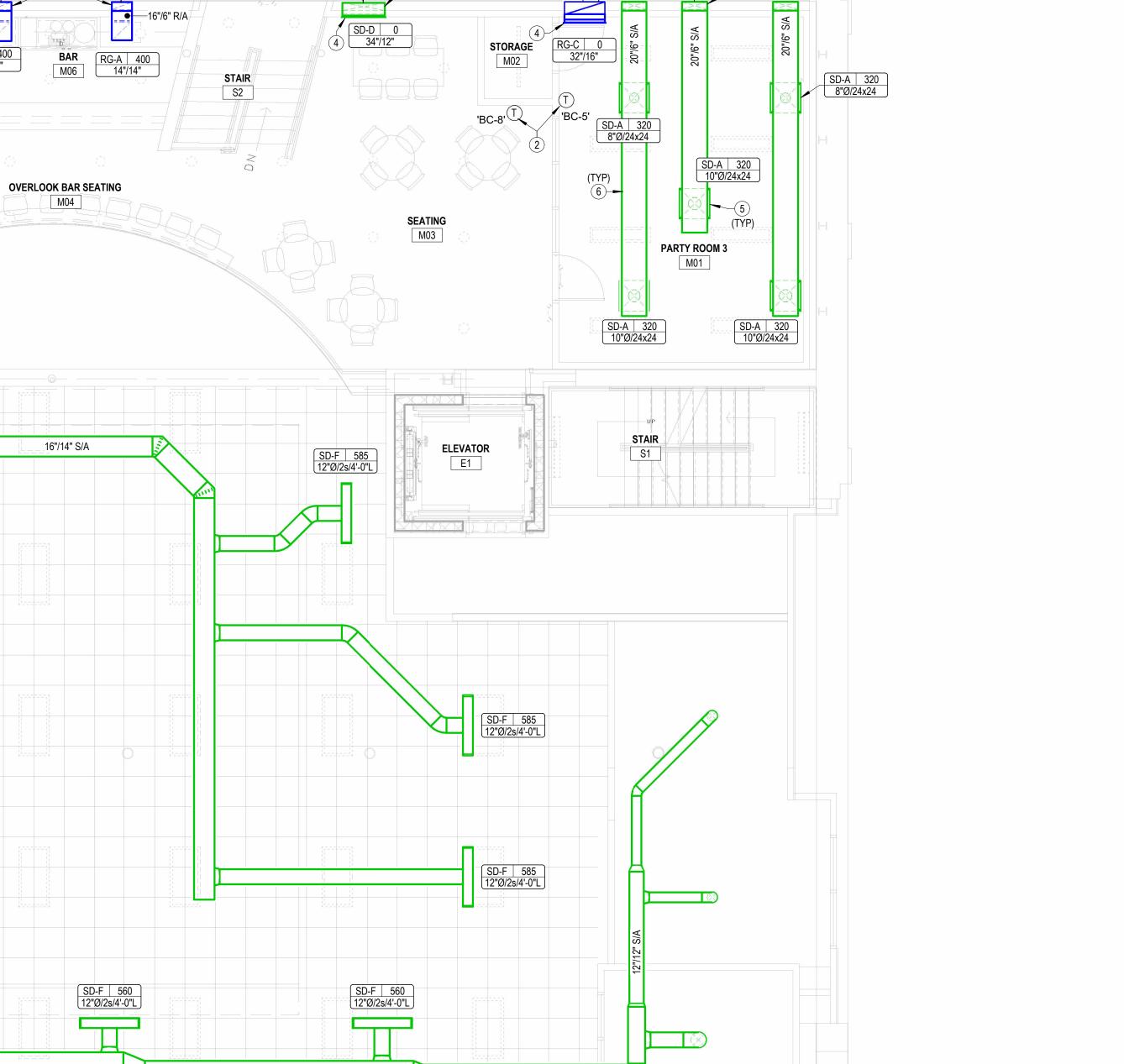
30"/16" S/A

30"/16" R/A DN 30"/16" S/A UP

> STAIR S4

30"/16" S/A

SD-A 400 10"Ø/24x24



14"/14" S/A

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- 1 ROUTE SUPPLY AND RETURN DUCT UP AND TRANSITION TO CONNECTIONS AT EQUIPMENT ON ROOF.
- 2 ROUTE EXHAUST DUCT FROM EXHAUST FAN TO ROOF TERMINATION. SEE HVAC ROOF PLAN FOR CONTINUATION.
   3 ROUTE 4" DRYER EXHAUST DUCT TO ROOF TERMINATION. SEE HVAC ROOF PLAN
- ROUTE 4" DRYER EXHAUST DUCT TO ROOF TERMINATION. SEE HVAC ROOF PL. FOR CONTINUATION.
- 4 PROVIDE DRYER BOOSTER EXHAUST FAN EQUAL TO FANTECH DBF 110 WITH PRESSURE SENSING SWITCH. PROVIDE FIRE RATED ACCESS PANEL IN CEILING FOR ACCESS TO FAN, COORDINATE REQUIREMENTS WITH ARCH AND G.C.
- 5 COORDINATE FINAL LOCATION OF ALL THERMOSTATS WITH OWNER PRIOR TO ROUGH-IN.
   6 ROUTE O.A. INTAKE UP TO GRAVITY INTAKE HOOD ON ROOF. SEE ROOF PLAN FOR
- CONTINUATION.

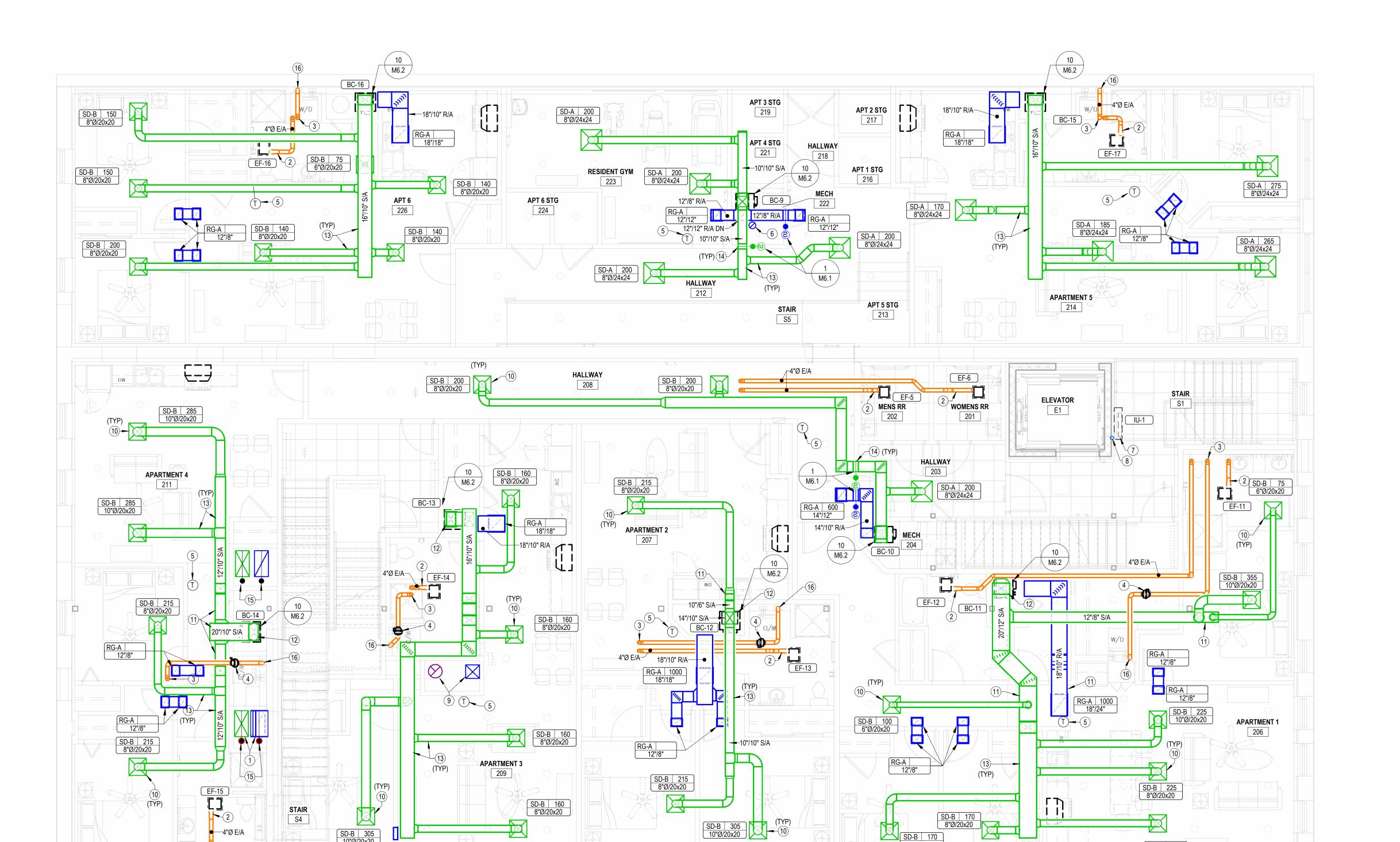
  7 PROVIDE CONDENSATE LIFT FOR INDOOR UNIT CONCEALED IN UNIT BODY AND ROUTE CONDENSATE UP IN WALL TO INDIRECT CONNECTION AT FLOOR DRAIN IN
- MECHANICAL ROOM ABOVE.

  8 ROUTE REFRIGERANT PIPING FROM INDOOR UNIT CONCEALED IN WALL UP THROUGH MECHANICAL ROOM ABOVE TO OUTDOOR UNIT. SEE ROOF PLAN FOR
- CONTINUATION.

  9 ROUTE KITCHEN HOOD EXHAUST DUCT AND MAKE-UP AIR DUCT UP THROUGH CHASE TO EQUIPMENT ON ROOF.
- PROVIDE ALL CEILING AIR DEVICES IN RATED CEILING MEMBRANES WITH CEILING RADIATION DAMPERS AND FIRE RATED BLANKETS, AS REQUIRED.
   ROUTE SUPPLY DUCT IN SOFFIT. COORDINATE WITH ARCH AND G.C.
- 12 PROVIDE ALL DUCT PENETRATIONS IN RATED CEILING MEMBRANES WITH CEILING RADIATION DAMPERS, AS REQUIRED.
- 13 ROUTE DUCTWORK BETWEEN AND THROUGH TRUSSES WHERE POSSIBLE.
  COORDINATE ROUTING WITH OTHER TRADES AND EXISTING CONDITIONS.
- 14 PROVIDE ACCESS PANEL IN CEILING AT FIRE SMOKE DAMPERS. COORDINATE REQUIREMENTS WITH ARCHITECT.
- 15 PROVIDE FIRE DAMPER WHERE DUCTS PENETRATE RATED FLOOR. PROVIDE ACCESS PANELS AS REQUIRED, COORDINATE WITH G.C.
- PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO ROOF JACK WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 14' + (2) 90° ELBOWS. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED.

NOTE: ANNULAR SPACE AROUND DUCT IS TO BE SEALED AT ALL PENETRATIONS OF FLOORS AND CEILINGS WITH U.L. LISTED FIRE STOPPING SYSTEM.

NOTE:
VENTILATION FOR APARTMENTS IS PROVIDED BY LOCAL EXHAUST
SYSTEMS PER 2015 INTERNATIONAL MECHANICAL CODE. EXHAUST FANS
SHALL BE EQUIPPED WITH CONTROLS TO OPERATE INTERMITTENTLY.
SEE ELECTRICAL PLANS FOR MINUTE RUN TIME FOR EACH FAN.



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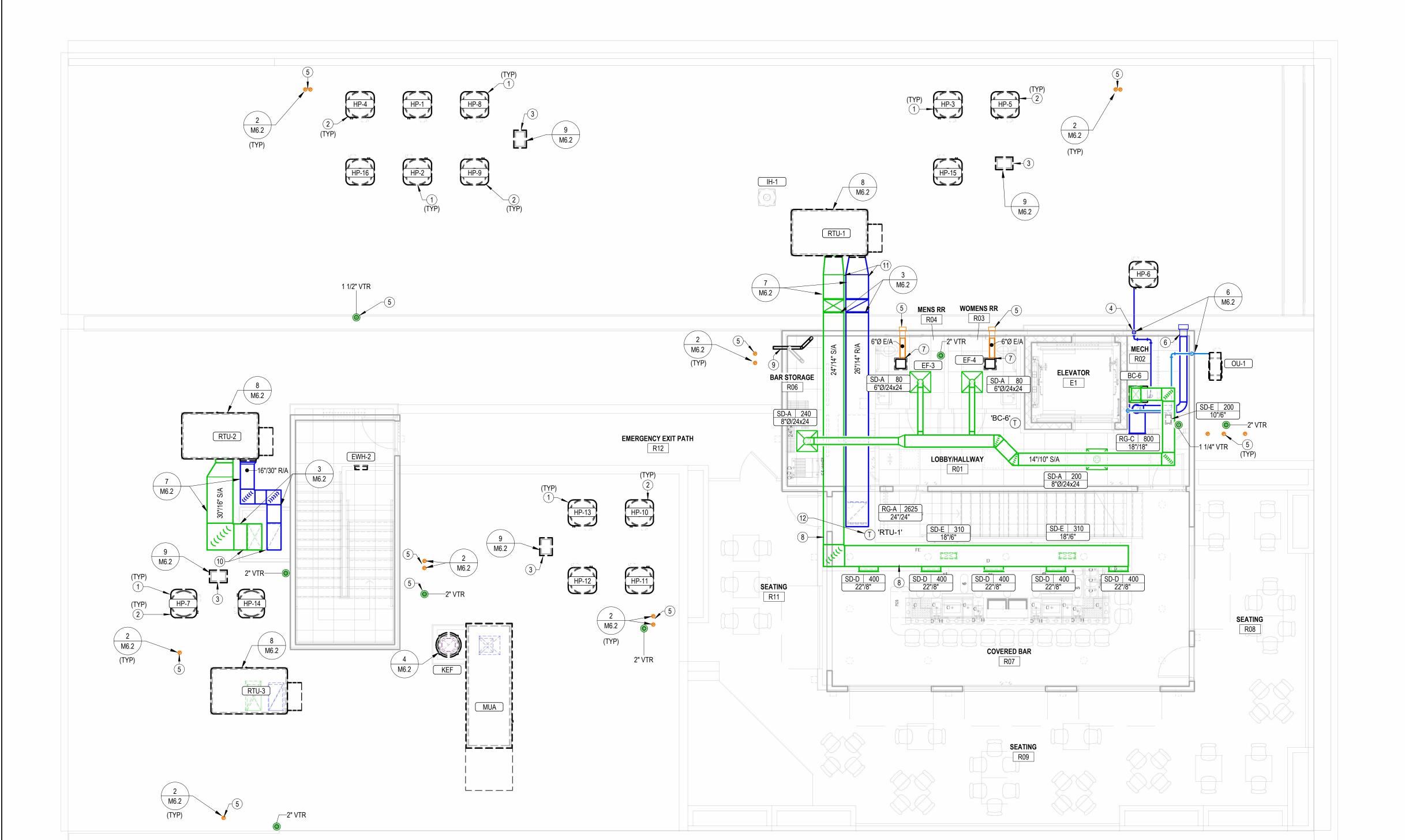
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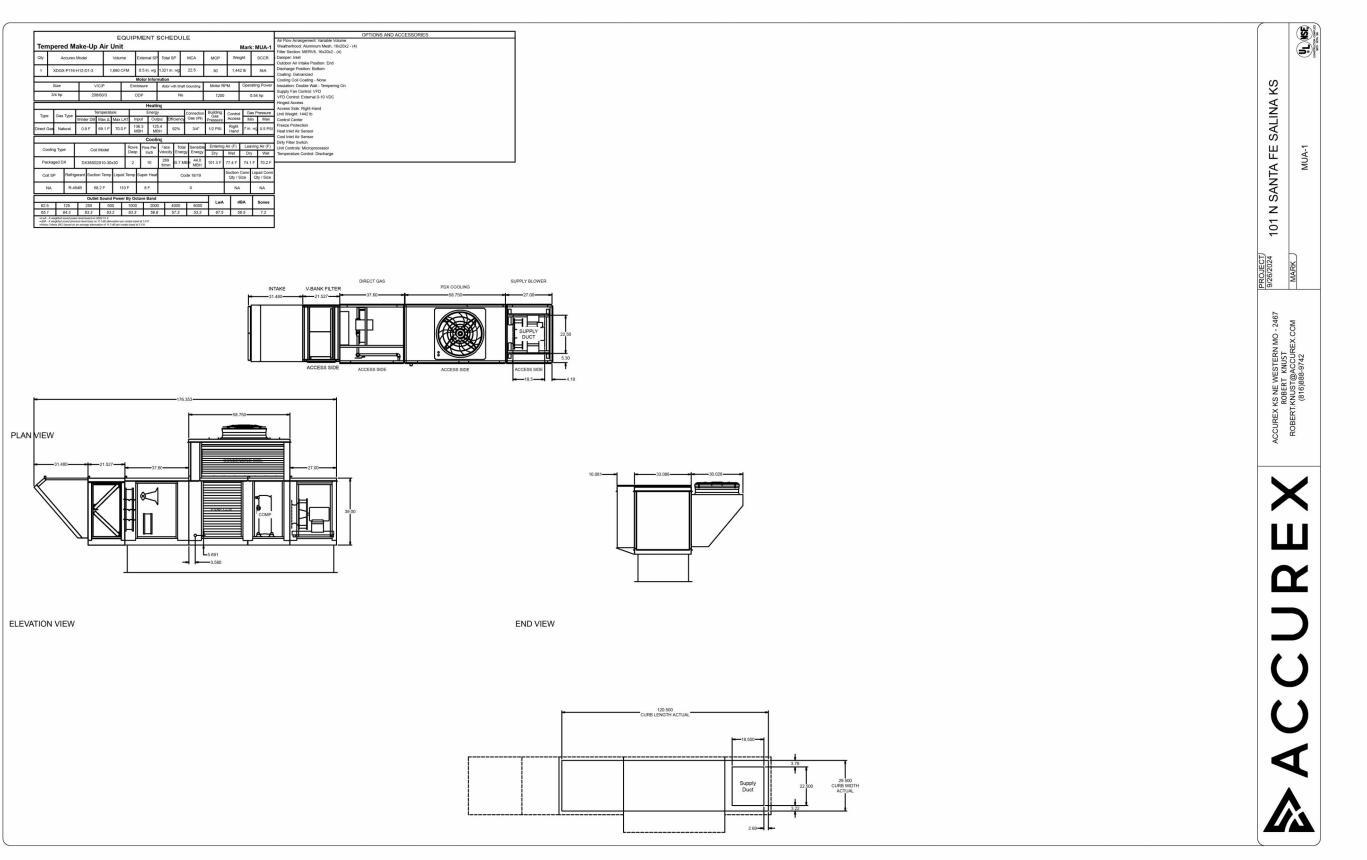


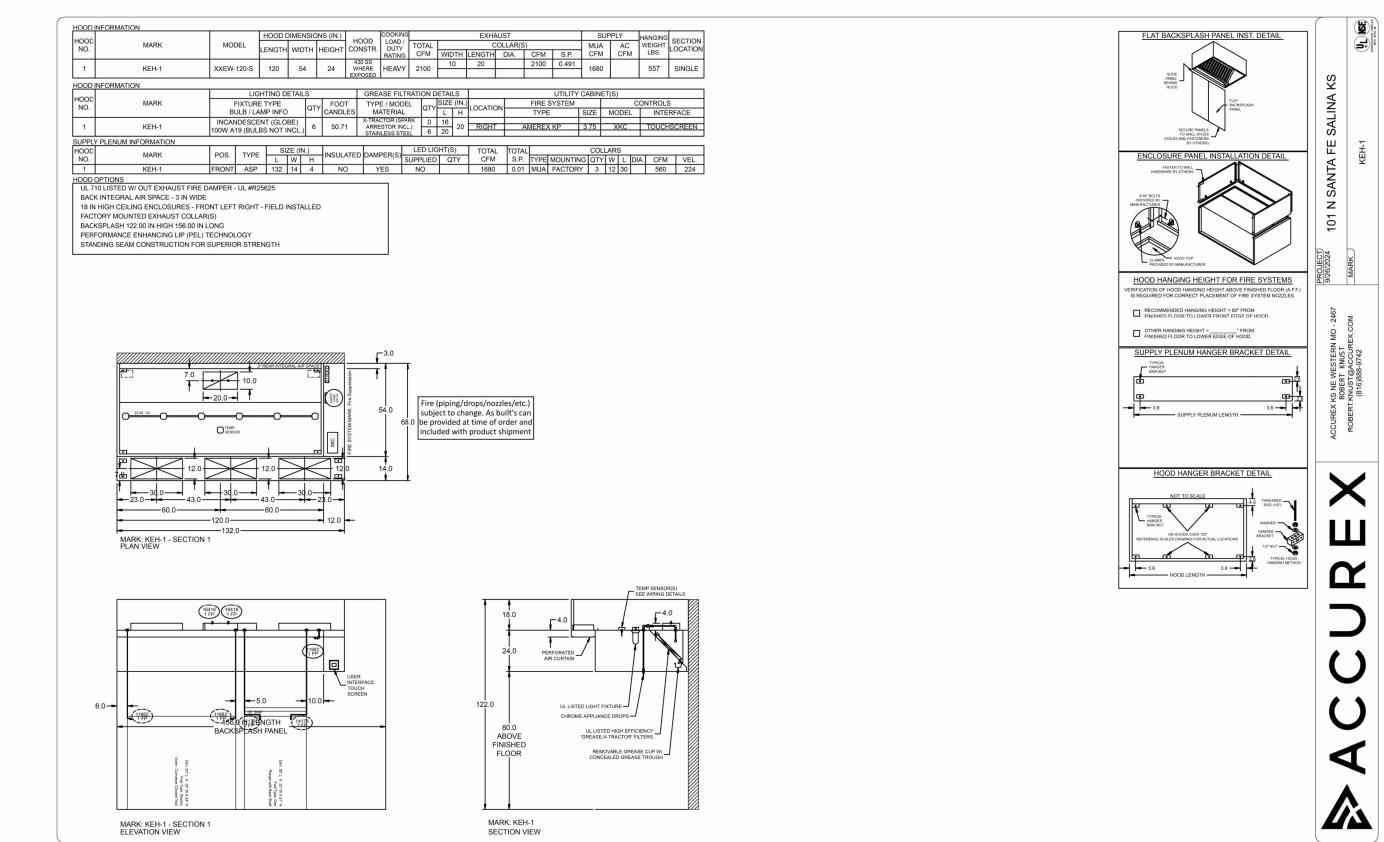
#### NOTES BY SYMBOL

- MOUNT HEAT PUMP ON ROOF EQUIPMENT RAILS EQUAL TO RPS COMPATIBLE WITH ROOF TYPE AND SLOPE. COORDINATE EXACT REQUIREMENTS WITH G.C.
- ROUTE REFRIGERANT PIPING FROM HEAT PUMP TO MATCHING BLOWER COIL. SIZE PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR LINE LENGTH AND EQUIPMENT HEIGHT, AND PROVIDE ALL OTHER REQUIRED ACCESSORIES. PROVIDE RPH AWI ROOF VAULT WITH PENETRATION SEALS FOR REFRIGERANT AND CONDUIT PENETRATIONS, COORDINATE INSTALLATION REQUIREMENTS WITH G.C.
- PROVIDE RPH AWI ROOF VAULT WITH PENETRATION SEALS FOR REFRIGERANT AND CONDUIT PENETRATIONS OF ROOF, COORDINATE INSTALLATION REQUIREMENTS WITH G.C. AND E.C.
- 4 ROUTE REFRIGERANT FROM HEAT PUMP TO MATCHING INDOOR UNIT CONCEALED IN WALLS AND ABOVE CEILING. PENETRATE EXTERIOR WALL 18" A.F.G. AND PROVIDE WALL PENETRATION ASSEMBLY EQUAL TO AIREX TITAN OUTLET.
- 5 MAINTAIN 10'-0" MIN. FROM EXHAUST DUCTS AND VENTS TO O.A. INTAKES ON
- 6 ROUTE O.A. INTAKE TO WALL CAP.7 ROUTE EXHAUST DUCT TO WALL CAP.
- 8 ROUTE SUPPLY DUCT IN SOFFIT. COORDINATE WITH ARCH AND G.C.
- 9 ROUTE PVC INTAKE AND VENT PIPING FROM WATER HEATER TO CONCENTRIC VENT WALL CAP.
- 10 ROUTE SUPPLY AND RETURN DUCT FROM PACKAGED UNIT ACROSS ROOF, PENETRATE EXTERIOR WALL, AND ROUTE DOWN THROUGH CHASE. PROVIDE A LAYER OF 5/8" GYP WITH R-25 INSULATION AROUND DUCTWORK AT ROOF ELEVATION. COORDINATE REQUIREMENTS WITH ARCH AND G.C.
- 11 ROUTE SUPPLY AND RETURN DUCT FROM PACKAGED UNIT ACROSS ROOF AND UP EXTERIOR WALL. PENETRATE AS HIGH AS POSSIBLE BELOW STRUCTURE. COORDINATE EXACT ROUTING WITH OTHER TRADES.
- 12 COORDINATE FINAL LOCATION OF ALL THERMOSTATS WITH OWNER PRIOR TO ROUGH-IN.

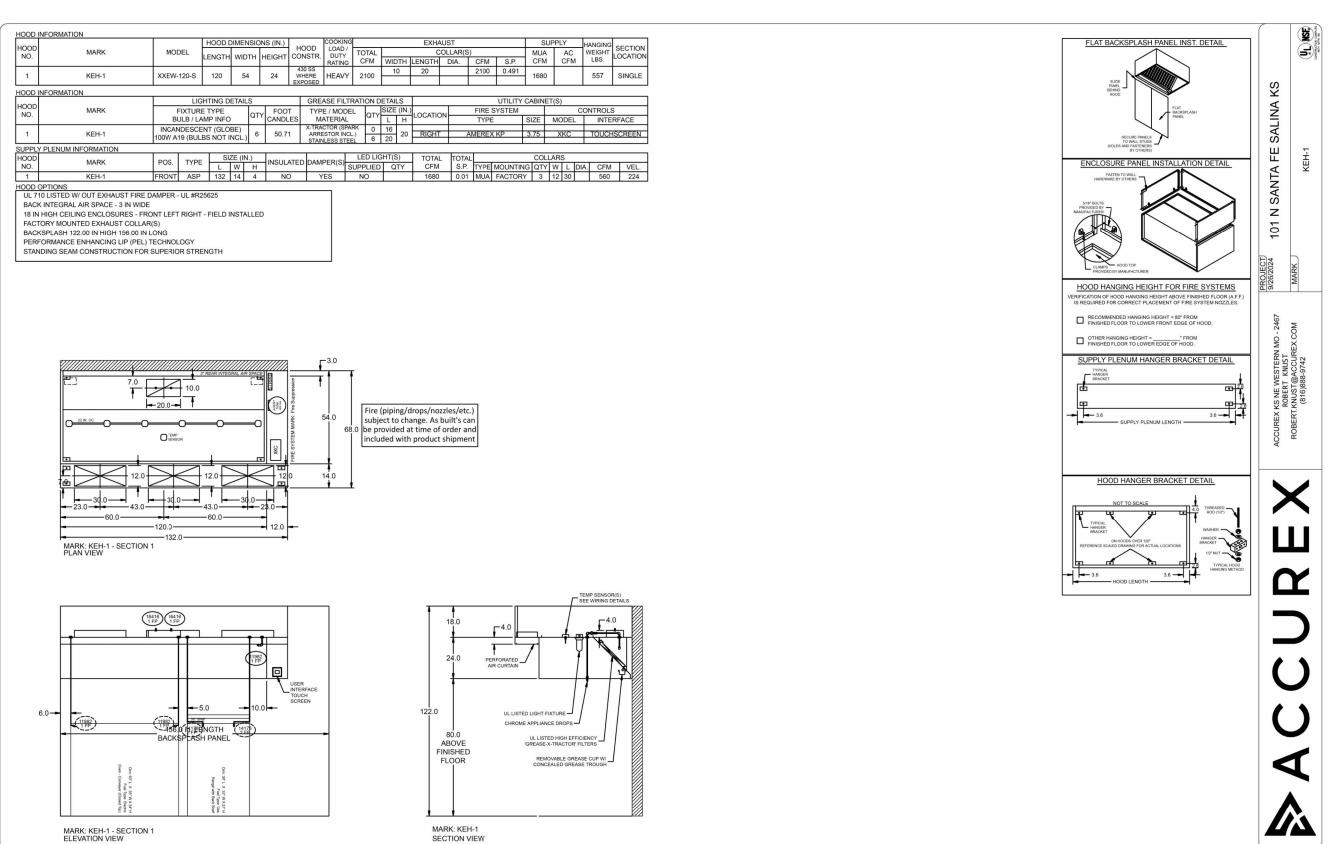


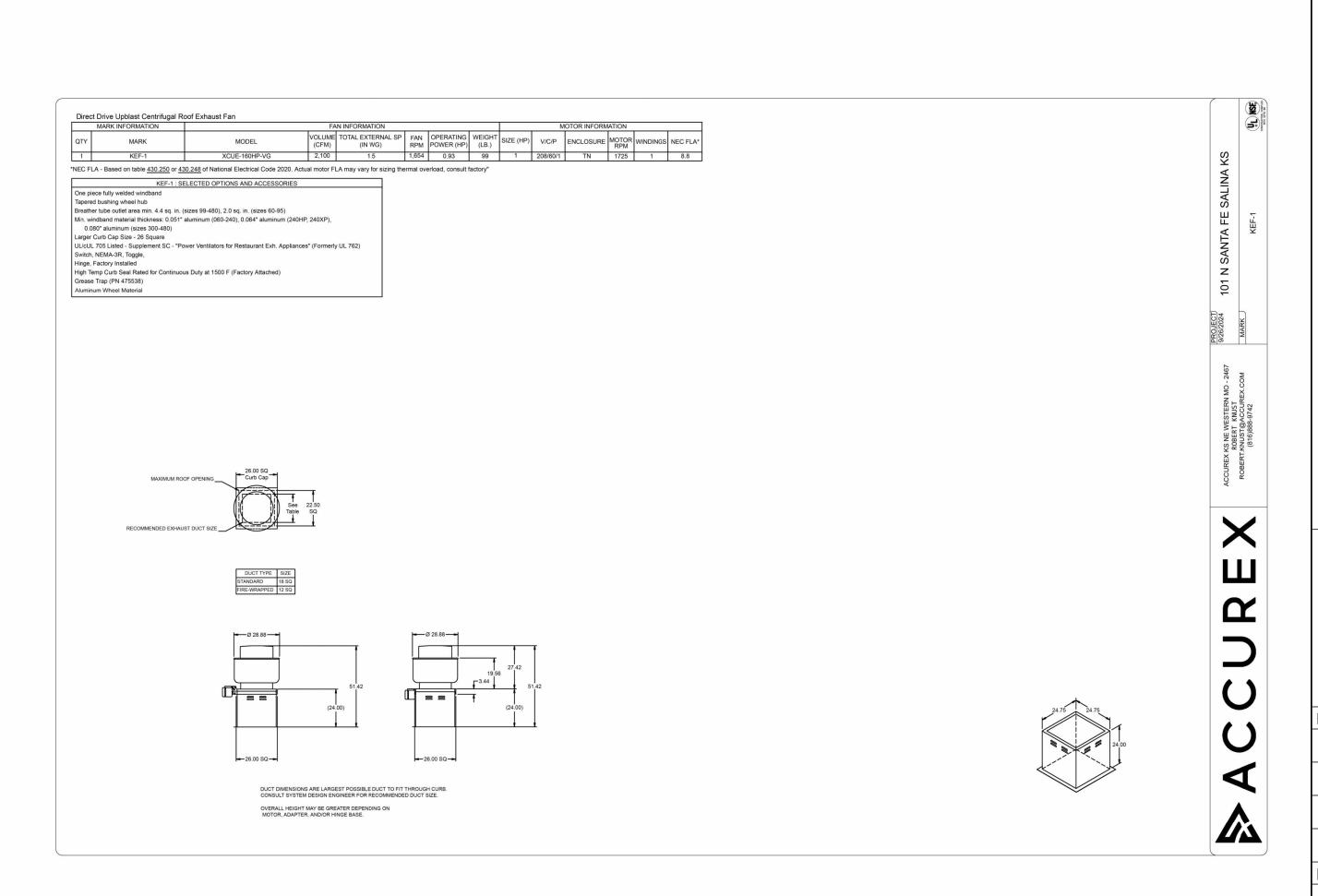
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NOTE: Roof Opening Requirements: Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides. For example: If the duct size is 14 x 14 in, square, the minimum roof opening size is 14. MGXIEturi i i Roocé al perting d'a indrétierus è chèoas ron time mades i une teir on it. a ce incobet pa Frois exemputes i grithe nomateruto i he i peak d'aite exploren il traditions i saures con opening is





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S PLAYGROUND, TOP BAR PELE'ROOF - AND ADDITIONS: PARTMENTS AND REMODEL /

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EVISIONS: 3/20/2025 24 - 3421

SHEET NO .:

SERVICE INFORMATION				
MARK: FACTORY CERTIFICATION	MODEL: CERTIFICATION			•
ITEM: SERVICE	QUANTITY: 1		SALINA KS	NOI
ACCUREX AFTERMARKET CERTIFICATION PROGRAM CONFIRMS THE EQUIPMENT I AND OPERATING ACCORDING TO THE MANUFACTURER'S REQUIREMENTS BY A FAI INSTALLATION AND START-UP OF EQUIPMENT PER THE MANUFACTURER'S INSTALL BE PERFORMED BY OTHERS PRIOR TO THIS SERVICE. A WRITTEN REPORT WILL BE	CTORY AUTHORIZED SERVICER (FAS). ATION AND OPERATIONS MANUAL TO		101 N SANTA FE SAI	FACTORY CERTIFICAL
TRIP QUANTITY: 2 TRIP 1: PRE-SITE VISIT TO REVIEW INSTALLATION QUESTIONS (UP TO TWO HOURS	ONSITE)			.)
TRIP 2: CERTIFICATION VISIT TO PERFORM THE CERTIFICATION WORK (TIME ONSIT	E TBD BASED ON EQUIPMENT SELECTED)	PROJECT	9/26/20 MARI	
EQUIPMENT INCLUDED IN CERTIFICATION: CONTROLS VARIABLE VOLUME MUA-1 KEF-1 KEH-1			ACCUREX KS NE WESTERN MO - 2467 ROBERT KNUST ROBERTKNUST@ACCUREX.COM	(816)888-9742
			X II O I C C V A	_

TROL INFORMATION			
MARK ELECTRICAL CONTROL PACKAGE  MODEL LOCATION  MATERIA SAPIANTE VOLUME VICENCY STATES AND PROPERTY ON KELLA	USER INTERFACE	PE FAN FAN MARK ZONE CFM MOTO	S CONTROLLED   TOR HP   MOTOR VOLT   CYCLE   MOTOR PHASE   MOTOR STARTER IN PANEL   VFD IN PANEL   1   208   60   1   NO   NO   NO
POWER WIRING FOR KITCHEN CONTROLS  (WIRING TO BE DONE BY ELECTRICIAN)  POWER FOR CONTROLS  (WIRING TO BE DONE BY ELECTRICIAN)  MAIN CONTROL PANEL OUT 19H POWER FOR CONTROLS  LIGHTS OR 15 NH	TOUCHSCREEN KEH-1  REV: THESE DRAWINGS SHALL NOT BE REMOVE THE RECOMMENT OF THE REMOVE	DELY S1 MUA-1 1 1680 0.3  WIRING DIAGRAM CODE: W GORE COUNTEMENT SAUP MOLATION CONTRAIR. GOURS OF THE CONTRAINE STATE OF THE COUNTRAINE. GORE COUNTRAINE STATE OF THE CONTRAINE. GOURS OF THE CONTRAINE STATE OF THE CONTRAINE. MICHAEL CONTRAINE STATE OF THE CONTRAINE. DISTANCE OF THE CONTRAINE STATE OF THE CONTRAINE. DISTANCE OF THE CONTRAINE STATE OF THE CONTRAINE. DISTANCE OF THE CONTRAINE STATE OF THE CONTRAINE.  COMMANDE LOCAL NEEDED THE THE CONTRAINE.	CABINET DETAILS  CABINET DETAILS  DRAWING NOT TO SCALE  KITCHEN HOOD  DRAWING NOT TO SCALE  KITCHEN HOOD  USER INTERFACE DETAILS  MOUNTING TYPE FACTORY MOUNTED: UITLITY CABINET - RIGHT END OF HOOD  USER INTERFACE CONTROL FANS AND LIGHTS  INTERFACE CABLE LENGTH 7FT (FACTORY PROVIDED)  MOUNTING LOCATION: UTILITY CABINET ON HOOD (INNER CONTROL BOX: 12 X 20 X 6)  NOTES: 10 WHE SYSTEM  NOTES: 10 WHE CONTROL S ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL-MOUNTED UTILITY CABINET AND WALL CABINET DIMMNING S 36" OF CLEARANCE
UPON THE CITY OF T	MOA: 22.50 MOP: 30 MOP	DI-1A DI-1B	HOOD 1 TEMP SENSOR 70 MARK 1 SECTION 1  ZONE # ZONE ROOM TEMP 1 Z1 PRESET  ZONE CONFIGURATION  WIRNING DIAGRAM CODE: WDC#  JOB MARK: 101 N SANTA FE SALINA KS  MODEL: XKC-DCV-S-11-1-1-0 SERIAL NIMBER: WDSN# MARK: CONTROLS VARIABLE VOLUME DO NAMBER: ## PARAMETIESS PARAMETERS P



101 N. SANTA FE AVE.

REMODEL AND ADDITIONS: PELE'S PLAYGROUND,
APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

ONS:

DATE: 3/20/2025 JOB: 24−3421 SHEET NO.:

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www.LSTengineers.com mail@LSTengineers.com

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REVISIONS:	
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24-3421 SHEET NO .:

HEAT PUMP SCHEDULE LOUVER SCHEDULE Free Area Manufacturer Notes Application Midpoint Greenheck Fan Corp. ESJ-602 Kynar finish in Intake Extruded Aluminum Non-Drainable Blade Louver 1,2 selected by

1,2

Extruded Aluminum Non-Drainable Blade Louver

1. Coordinate frame and sleve requirements with G.C. 2. Provide with bird screen.

Mark	Manufacturer	Model	Description	Installed Location	Design Airflow Rate	Fan Design ESP	Voltage/Ph	FLA	Motor Power	Schedule Notes
EF-1	Broan	BHF80	Ceiling Fan/ Heater	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-2	Greenheck	SP-110-VG	Ceiling Fan	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-3	Greenheck	SP-110-VG	Ceiling Fan	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-4	Greenheck	SP-110-VG	Ceiling Fan	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-5	Greenheck	SP-110-VG	Ceiling Fan	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-6	Greenheck	SP-110-VG	Ceiling Fan	Ceiling	75	0.25 in-wg	115 V/1Ph	0 A	0.01 hp	1,2,3
EF-7	Greenheck	SP-80-L	Ceiling Fan	Wall	75	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2
EF-8	Greenheck	SP-80-L	Ceiling Fan	Wall	75	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2
EF-9	Greenheck	SP-80-L	Ceiling Fan	Wall	75	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2
EF-10	Greenheck	SP-80-L	Ceiling Fan	Wall	75	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2
EF-11	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-12	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-13	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-14	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-15	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-16	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4
EF-17	Greenheck	SP-80-L	Ceiling Fan	Ceiling	80	0.25 in-wg	115 V/1Ph	1 A	0.04 hp	1,2,3,4

1'-0" 1'-0" 6"

12'-0"

53.5%

None

Provide factory mounted and wired disconnect switch. 2. Provide with speed controller mounted to motor.

Architect

color as selected by Architect

Greenheck Fan Corp. ESJ-602 Kynar finish in

3. Provide exhaust fan with ceiling radiation damper. 4. Exhaust fan to be controlled with timer switch equal to 'AirCycler SmartExhaust' provided by E.C., coordinate with E.C.

			GRILLE	S, REG	ISTERS	& DIFF	JSERS SCH	EDULE		
Mark	Manufacturer	Model	Application	Material	Finish	Installation	Border Application	Include Damper	Description	Notes
RG-A	Titus	50F	Return Air	Aluminum	Mill	Ceiling	Surface Mount	No	Return Grille	
RG-B	Titus	50F	Return Air	Aluminum	Mill	Ceiling	Lay-In Panel Frame	No	Return Grille	
RG-C	Titus	350RL	Return Air	Steel	White Enamel	Wall Mount	Surface Mount	No	Return Grille	
SD-A	Titus	TMS	Supply Air	Steel	White Enamel	Ceiling	Lay-In Full Face	No	Ceiling Diffuser	
SD-B	Titus	TMS	Supply Air	Steel	White Enamel	Ceiling	Surface Frame	No	Ceiling Diffuser	
SD-C	Titus	CT-540	Supply Air	Aluminum	Mill	Wall Mount	Wall Frame	No	Linear Bar Grille	
SD-D	Titus	300R	Supply Air	Steel	White Enamel	Wall Mount	Surface Mount	Yes	Double Deflection Supply Grille	
SD-E	Titus	300R	Supply Air	Steel	White Enamel	Ceiling	Surface Mount	Yes	Double Deflection Supply Grille	
SD-F	Titus	FL-15	Supply Air	Aluminum	White Fnamel	Ceiling	Lav-In Full Face	No	Linear Diffuser	

Maximum noise criteria shall be 25.

 Runouts to diffusers shall be same size as neck, U.N.O. • Provdise mounting frame as required for ceiling type. Coordinate with Architect.

				Design	Max Pressure	Th	roat		
Mark	Manufacturer	Model	Application	Airflow Rate	l i	Area	Velocity	Weight	Notes
IH-1	Greenheck	GRSI-8	Intake	150	0.06 in-wg	0.35 SF	430 FPM	35 lb	1

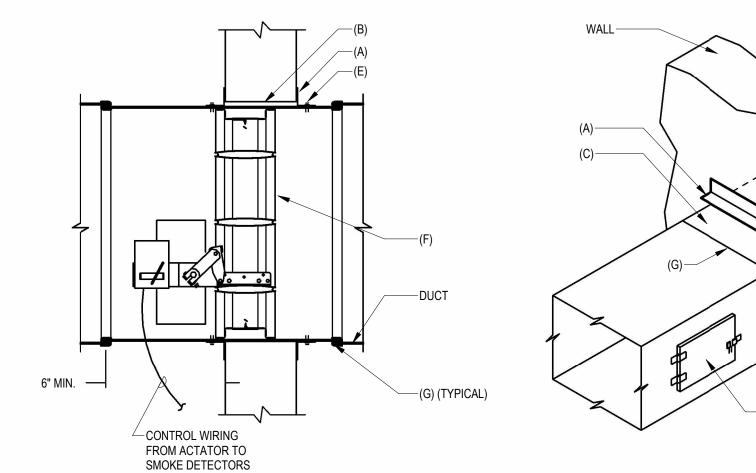
TYPICAL INSTALLATION DETAILS: RETAINING ANGLES: MINIMUM 1-1/2"x1-1/2"x0.054 (16 GA.) CLEARANCE: 1/8" PER LINEAR FOOT BOTH DIMENSIONS. STEEL SLEEVE PER SMACNA APPROVED FIRE/SMOKE DAMPER SECURE RETAINING ANGLES TO SLEEVE ONLY, ON 8" CENTER WITH: E.1. 1/2" LONG WELDS, OR E.2. 1/4" BOLTS & NUTS, OR E.3. #10 STEEL SCREWS, OR E.4. MIN. 3/16" STEEL RIVETS SECURE DAMPER TO SLEEVE ON 8" CENTER WITH: F.1. 1/2" LONG WELDS, OR F.2. 1/4" BOLTS & NUTS IN HOLES PROVIDED, OR

F.3. #10 STEEL SCREWS, OR F.4. MIN. 3/16" STEEL RIVETS CONNECT DUCT TO SLEEVE WITH BREAK-AWAY JOINT AS PER SMACNA INSTALL ACCESS DOOR OR PANEL

MANUFACTURER'S INSTALLATION DETAILS THE FIRE DAMPER MANUFACTURERS' INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY U.L. MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.

VERTICAL POSITION IS SHOWN, HORIZONTAL INSTALLATION IS SHOWN.

FOLLOW INSTALLATION INSTRUCTIONS FOR ACTUATOR.



(A) (C)	
(G)	
PICAL)	(H)

								COOLING				Н	IEATING		ELECT	RICAL	
MARK	AREA SERVED	MANUFACTURER	MODEL	NOMINAL CAPACITY	EDB	EDB	EWB	SENSIBLE	TOTAL	SEER2	OA EDB	EDB	TOTAL HEATING CAPACITY	HSPF2	VOLTAGE/PHA SE	MCA	МОСР
HP-1	BASEMENT	Trane	4TWR4024	2.0 ton	105 °F	80 °F	67 °F	16,677 Btu/h	22,305 Btu/h	14.3	47 °F	70 °F	22,600 Btu/h	7.5	208 V/1	15 A	25 A
HP-2	1ST-PARTY1, TLTS, STOR	Trane	4TWR4048	4.0 ton	105 °F	80 °F	67 °F	34,798 Btu/h	45,692 Btu/h	14	47 °F	70 °F	44,000 Btu/h	7.8	208 V/1	26 A	40 A
HP-3	1ST-PARTY ROOM 1	Trane	4TWR4060	5.0 ton	105 °F	80 °F	67 °F	38,700 Btu/h	51,900 Btu/h	14.3	47 °F	70 °F	56,200 Btu/h	7.5	208 V/1	32 A	50 A
HP-4	MEZZ-PARTY ROOM 4	Trane	4TWR4036	3.0 ton	105 °F	80 °F	67 °F	24,900 Btu/h	33,000 Btu/h	14.3	47 °F	70 °F	33,400 Btu/h	7.5	208 V/1	18 A	30 A
HP-5	MEZZ-PARTY ROOM 3	Trane	4TWR4048	4.0 ton	105 °F	80 °F	67 °F	34,798 Btu/h	45,692 Btu/h	14	47 °F	70 °F	44,000 Btu/h	7.8	208 V/1	26 A	40 A
HP-6	ROOF-HALL TLTS	Trane	4TWR4024	2.0 ton	105 °F	80 °F	67 °F	16,677 Btu/h	22,305 Btu/h	14.3	47 °F	70 °F	22,600 Btu/h	7.5	208 V/1	15 A	25 A
HP-7	OFFICE TENANT - 132	Trane	4TWR4048	4.0 ton	105 °F	80 °F	67 °F	34,798 Btu/h	45,692 Btu/h	14	47 °F	70 °F	44,000 Btu/h	7.8	240 V/1	26 A	40 A
HP-8	MEZZ-BAR	Trane	4TWR4024	2.0 ton	105 °F	80 °F	67 °F	16,677 Btu/h	22,305 Btu/h	14.3	47 °F	70 °F	22,600 Btu/h	7.5	208 V/1	15 A	25 A
HP-9	2ND FLR N-222	Trane	4TWR4024	2.0 ton	105 °F	80 °F	67 °F	16,677 Btu/h	22,305 Btu/h	14.3	47 °F	70 °F	22,600 Btu/h	7.5	208 V/1	15 A	25 A
HP-10	2ND FLR S-204	Trane	4TWR4024	2.0 ton	105 °F	80 °F	67 °F	16,677 Btu/h	22,305 Btu/h	14.3	47 °F	70 °F	22,600 Btu/h	7.5	208 V/1	15 A	25 A
HP-11	APT 1-206	Trane	4TWR4048	4.0 ton	105 °F	80 °F	67 °F	34,798 Btu/h	45,692 Btu/h	14	47 °F	70 °F	44,000 Btu/h	7.8	240 V/1	26 A	40 A
HP-12	APT 2 - 209	Trane	4TWR4030	2.5 ton	105 °F	80 °F	67 °F	20,533 Btu/h	27,706 Btu/h	14.8	47 °F	70 °F	26,800 Btu/h	7.8	240 V/1	15 A	25 A
HP-13	APT 3-209	Trane	4TWR4030	2.5 ton	105 °F	80 °F	67 °F	20,533 Btu/h	27,706 Btu/h	14.8	47 °F	70 °F	26,800 Btu/h	7.8	240 V/1	15 A	25 A
HP-14	APT 4-211	Trane	4TWR4036	3.0 ton	105 °F	80 °F	67 °F	24,900 Btu/h	33,000 Btu/h	14.3	47 °F	70 °F	33,400 Btu/h	7.5	240 V/1	18 A	30 A
HP-15	APT 5-214	Trane	4TWR4030	2.5 ton	105 °F	80 °F	67 °F	20,533 Btu/h	27,706 Btu/h	14.8	47 °F	70 °F	26,800 Btu/h	7.8	240 V/1	15 A	25 A
HP-16	APT 6-226	Trane	4TWR4030	2.5 ton	105 °F	80 °F	67 °F	20,533 Btu/h	27,706 Btu/h	14.8	47 °F	70 °F	26,800 Btu/h	7.8	240 V/1	15 A	25 A

PROVIDE REFRIGERANT PIPING SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR ACTUAL FIELD INSTALLED LENGTH AND ROUTING.

PROVIDE ALL REQUIRED CONTROL WIRING BETWEEN HEAT PUMP AND BLOWER COIL PROVIDE WITH HAIL GUARDS

					FAN				ELECTRIC HEAT	Ī			E	LECTRICAL		
MARK	MANUFACTURER	MODEL	SUPPLY CFM	O.A CFM	Fan Size	ESP	SPEED	# CIRCUITS CIRCUITS	HEATER KW (CIRCUIT 1)	HEATER KW (CIRCUIT 2)	VOLTAGE	PHASE	MCA (CIRCUIT 1)	MOCP (CIRCUIT 1)	MCA (CIRCUIT 2)	MOCP (CIRCUIT 2)
BC-1	TRANE	TEM4A0B24	800	85	0.33 hp	0.50 in-wg	HIGH	1	7.2 kW	0.0 kW	208 V	1	47 A	50 A	N/A	N/A
BC-2	TRANE	TEM4A0C48	1,600	285	0.75 hp	0.50 in-wg	MED-HIGH	1	7.2 kW	3.6 kW	208 V	1	51 A	60 A	22.0 A	25.0 A
BC-3	TRANE	TEM4A0C60	1,950	320	0.75 hp	0.50 in-wg	HIGH	2	7.2 kW	3.6 kW	208 V	1	51 A	60 A	22.0 A	25.0 A
BC-4	TRANE	TEM4A0C37	1,200	260	0.50 hp	0.50 in-wg	MED-HIGH	2	7.2 kW	3.6 kW	208 V	1	48 A	50 A	22.0 A	25.0 A
BC-5	TRANE	TEM4A0C48	1,600	270	0.75 hp	0.50 in-wg	MED-HIGH	1	7.2 kW	0.0 kW	208 V	1	51 A	60 A	N/A	N/A
BC-6	TRANE	TEM4A0B24	800	50	0.33 hp	0.50 in-wg	HIGH	1	7.2 kW	0.0 kW	208 V	1	47 A	50 A	N/A	N/A
BC-7	TRANE	TEM4A0C48	1,600	160	0.75 hp	0.50 in-wg	MED-HIGH	2	9.6 kW	4.8 kW	240 V	1	58 A	60 A	25.0 A	25.0 A
BC-8	TRANE	TEM4A0B24	800	0	0.33 hp	0.50 in-wg	HIGH	1	0.0 kW	0.0 kW	208 V	1	4 A	15 A	N/A	N/A
BC-9	TRANE	TEM4A0B24	800	130	0.33 hp	0.50 in-wg	HIGH	1	7.2 kW	0.0 kW	208 V	1	47 A	50 A	N/A	N/A
BC-10	TRANE	TEM4A0B24	800	0	0.33 hp	0.50 in-wg	HIGH	1	3.6 kW	0.0 kW	208 V	1	25 A	25 A	N/A	N/A
BC-11	TRANE	TEM4A0C48	1,600	0	0.75 hp	0.50 in-wg	MED-HIGH	2	9.6 kW	4.8 kW	240 V	1	59 A	60 A	25.0 A	25.0 A
BC-12	TRANE	TEM4A0C31	1,000	0	0.33 hp	0.50 in-wg	HIGH	1	7.7 kW	0.0 kW	240 V	1	44 A	45 A	N/A	N/A
BC-13	TRANE	TEM4A0C31	1,000	0	0.33 hp	0.50 in-wg	HIGH	1	7.7 kW	0.0 kW	240 V	1	44 A	45 A	N/A	N/A
BC-14	TRANE	TEM4A0C37	1,200	0	0.50 hp	0.50 in-wg	MED-HIGH	2	9.6 kW	4.8 kW	240 V	1	55 A	60 A	22.0 A	25.0 A
BC-15	TRANE	TEM4A0C31	1,000	0	0.33 hp	0.50 in-wg	HIGH	2	9.6 kW	0.0 kW	240 V	1	54 A	60 A	N/A	N/A
BC-16	TRANE	TEM4A0C31	1,000	0	0.33 hp	0.50 in-wg	HIGH	2	9.6 kW	0.0 kW	240 V	1	54 A	60 A	N/A	N/A

1. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT.

MINI-SPLIT HEAT PUMP OUTDOOR UNIT SCHEDULE								
Mark	MANUFACTURER	MODEL	TYPE	NOMINAL CAPACITY	MCA	МОСР		
OU-1	Trane - Mitsubishi	TRUZA0181KA70	Heat Pump System	1.50 ton	11 A	15 A		
NOTES: 1. PROVID	E REFRIGERANT PIPING SIZED	IN ACCORDANCE WITH M	IANUFACUTER'S RECOMMENDATIONS F	OR ACTUAL FIELD IN	NSTALLED LENGT	H AND		

INDOOR UNITS ARE POWERED FROM OUTDOOR UNIT. PROVIDE WITH HAIL GUARDS.

MIN	NI-SPLIT HEA	AT PUMP IN	DOOR UNIT	SCHED	ULE
Mark	MANUFACTURER	MODEL	TYPE	Cooling Coil Total	Heating Cap.
IU-1	Mitsubishi	TPKA0A0181LA00A	Wall Mounted Unit	18,000 Btu/h	19,000 Btu/h
	UNITS ARE POWERED FROM E WITH MANUFACTURER'S AC		JFT.		

PAC	CKAGED	RTU	SCHE	DULE														
			S	Supply Fan			Coo	ling			Heat	ting			Electrical		Product	
Mark	Manufacturer	Model	Airflow (CFM)	ESP	Size	Total	Sensible	EDB	EWB	Cooling Design OAT	Input	Output	Voltage	Phase	MCA	МОСР	Weight	Notes
RTU-1	Trane	YZC090	2,625	1.00 in-wg	3.00 hp	85,110 Btu/h	63,090 Btu/h	80 °F	67 °F	100 °F	120,000 Btu/h	97,200 Btu/h	208 V	3	43 A	50 A	1070 lb	1,2,3,4,5,6,7,8,9
RTU-2	Trane	YSK120	3,900	1.25 in-wg	3.00 hp	119,550 Btu/h	87,440 Btu/h	80 °F	67 °F	100 °F	200,000 Btu/h	162,000 Btu/h	208 V	3	53 A	80 A	1215 lb	1,2,3,4,5,6,7,8,9
RTU-3	Trane	YSK120	3,900	1.25 in-wg	3.00 hp	119,550 Btu/h	87,440 Btu/h	80 °F	67 °F	100 °F	0 Btu/h	0 Btu/h	208 V	3	57 A	80 A	1215 lb	1,2,3,4,5,6,7,8

PROVIDE WITH HAIL GUARDS. PROVIDE WITH FACTORY INSTALLED AND WIRED DISCONNECT SWITCH.

PROVIDE WITH DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF.

4. PROVIDE 2" MERV 8 PLEATED FILTERS.

9. PROVIDE UNIT WITH SIDE DISCHARGE CONFIGURATION.

PROVIDE WITH FACTORY INSTALLED MICROPOROCESSOR CONTROLLER WITH 7-DAY, 24/7 PROGRAMMABLE SPACE THERMOSTAT.

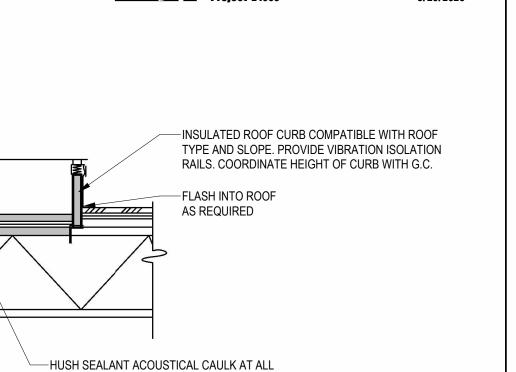
PROVIDE WITH DEHUMIDIFICATION CONTROLS WITH HOT GAS REHEAT. PROVIDE WITH RETURN DUCT MOUNTED HUMIDISTAT. PROVIDE WITH HINGED SERVICE ACCESS PANELS.

PROVIDE WITH ROOF CURB COMPATIBLE WITH ROOF TYPE AND SLOPE. COORDINATE WITH G.C.

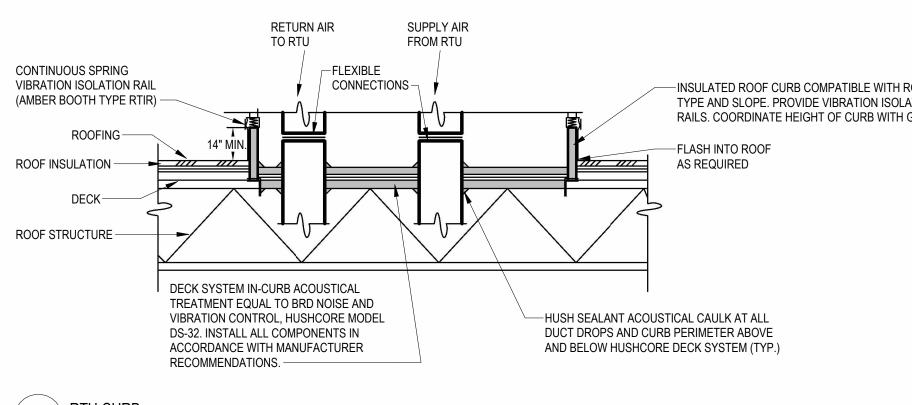
ELECTRIC WALL HEATER SCHEDULE									
Mark	Manufacturer	Model	Mounting	Watts	Voltage	Phase	Description	Notes	
EWH-1	Berko	FRC	Wall	1.5 kW	120 V	1	Architectural fan forced wall heater	1,2,3	
EWH-2	Berko	FRC	Wall	1.5 kW	120 V	1	Architectural fan forced wall heater	1,2,3	

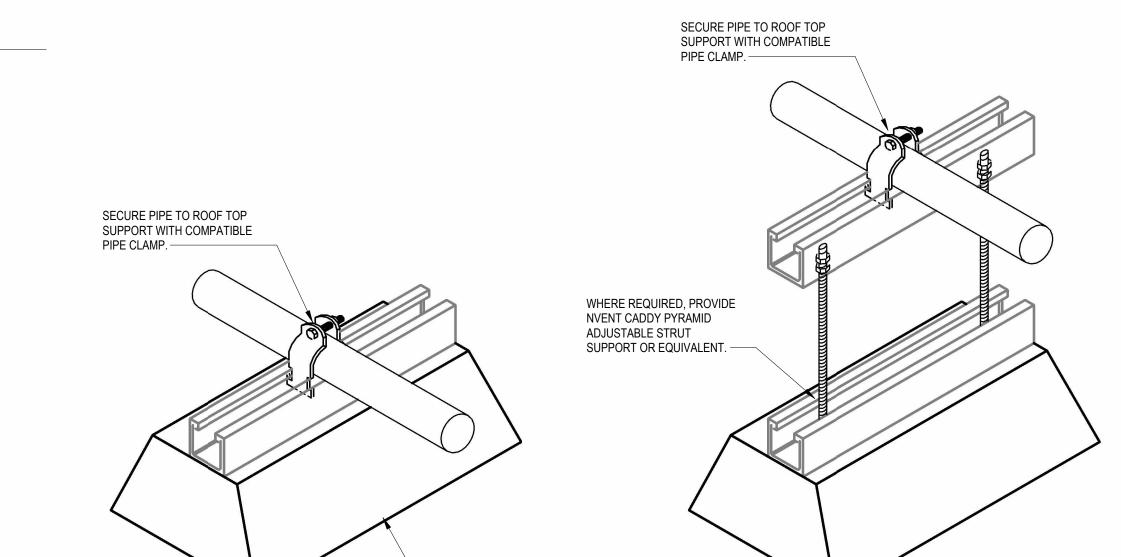
PROVIDE WITH HIGH TEMP. THERMAL CUTOUT AND FAN DELAY.

PROVIDE WITH INTEGRAL THERMOSTAT AND UNIT MOUNTED DISCONNECT SWITCH. 3. PROVIDE WITH RECESSED MOUNTING FRAME. COORDINATE EXACT MOUNTING REQUIREMENTS AND LOCATIONS WITH G.C. AND ARCH.



M6.2 NO SCALE



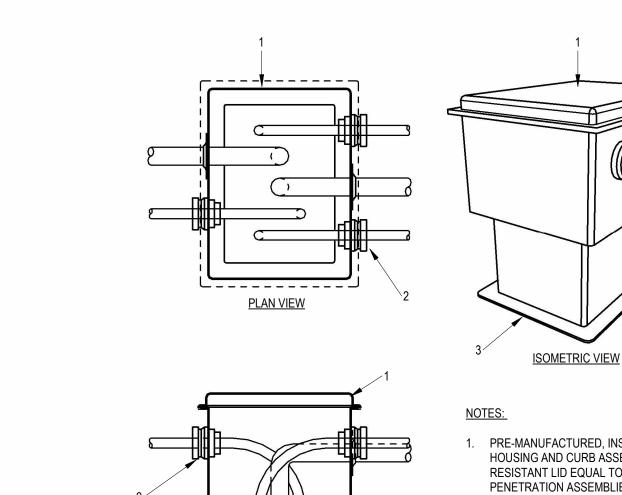


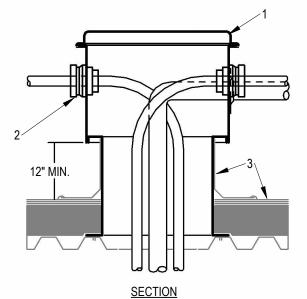
-PROVIDE NVENT CADDY PYRAMID

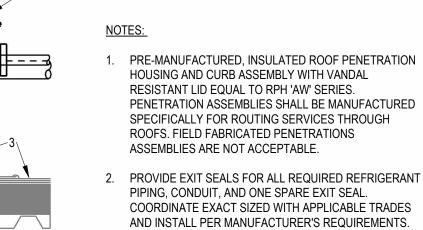
ON GRADE SECURE SUPPORT TO

FIXED STRUT SUPPORT OR EQUIVALENT. WHERE INSTALLED

5 EXTERIOR PIPING SUPPORT DETAIL NO SCALE



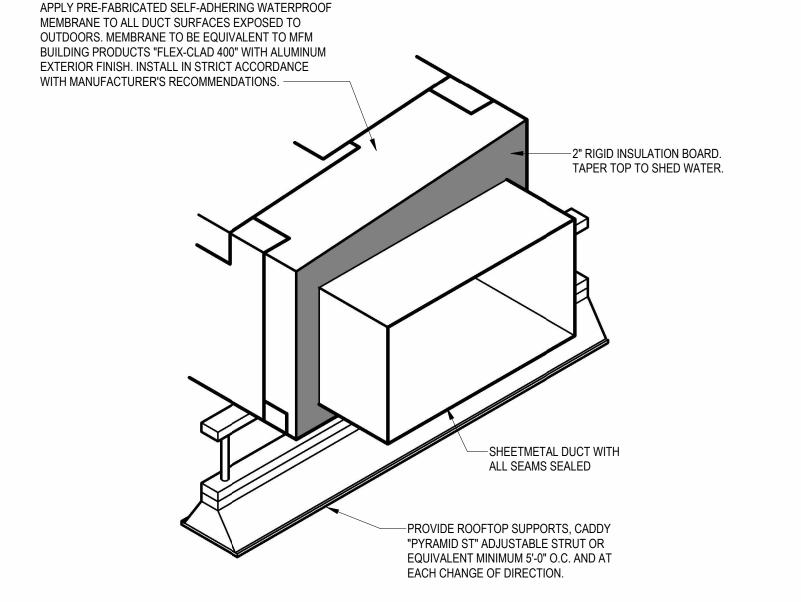




CONSTRUCTION.

3. COORDINATE ROOF CURB REQUIREMENTS WITH ROOF





—TO WALL CAP SEE PLANS FOR SIZE AND ROUTING

-R.A. DUCT SEE PLANS FOR SIZE AND ROUTING

—MANUAL BALANCING DAMPER (TYP.)

-FLEXIBLE DUCT

-FILTER WITH PIANO

HINGE AND LATCH

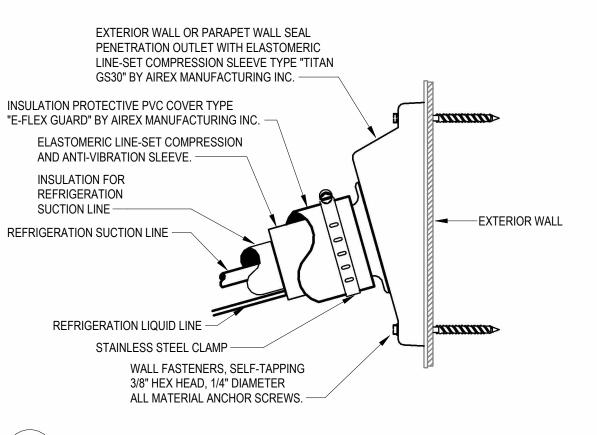
-90 DEGREE ELBOW

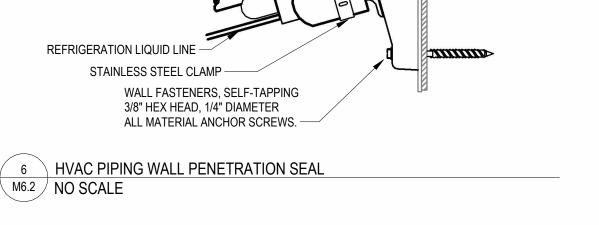
WITH TURNING VANES

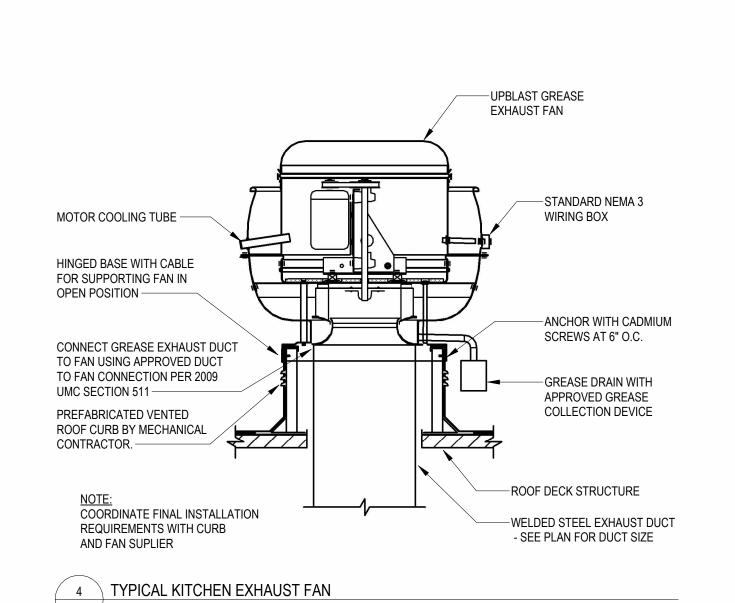
-3/4" TO FLOOR DRAIN, U.N.O.

CONN. (TYP.)

-O.A. DUCT







M6.2 NO SCALE

7 EXTERIOR DUCT DETAIL NO SCALE

SUPPLY AIR DUCT SEE PLANS

**BLOWER COIL** 

FOR SIZE AND ROUTING —

SET BLOWER COIL ON

RUBBER VIBRATION

ISOLATION PAD —

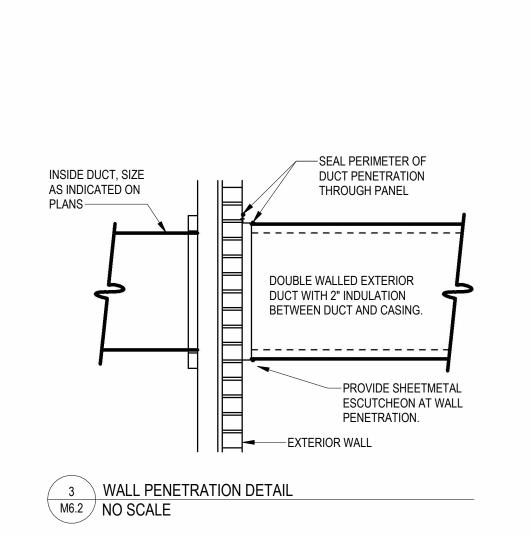
1-1/4" ANGLE IRON

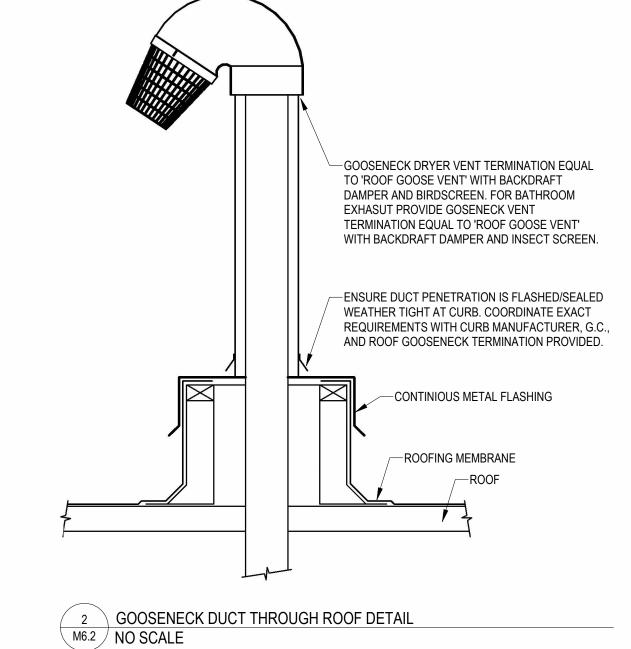
FRAME WHEN REQ'D.

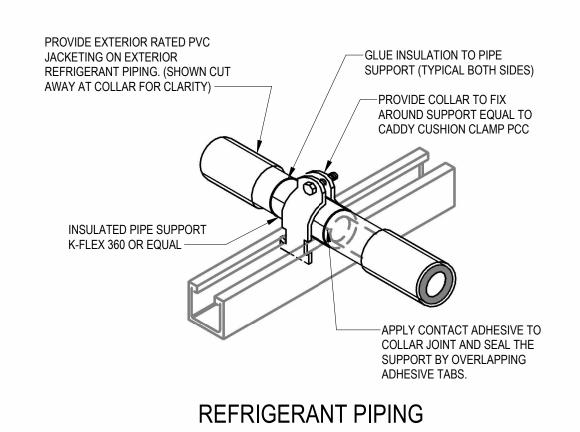
FOR BOTTOM RETURN -

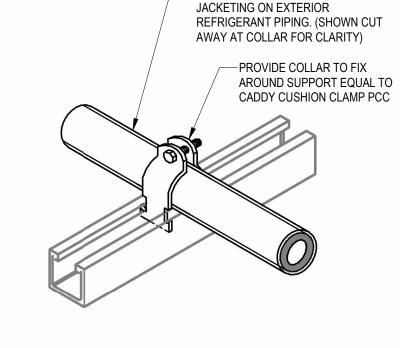
10 BLOWER COIL DETAIL

M6.2 NO SCALE









REFRIGERANT LINESET

PROVIDE EXTERIOR RATED PVC

1 EXTERIOR REFRIGRANT PIPING INSULATION DETAIL M6.2 NO SCALE

AVE 出 SANT, Z 101

REMODEL AND ADDITIONS
APARTMENTS AND SALINA,

KANSAS

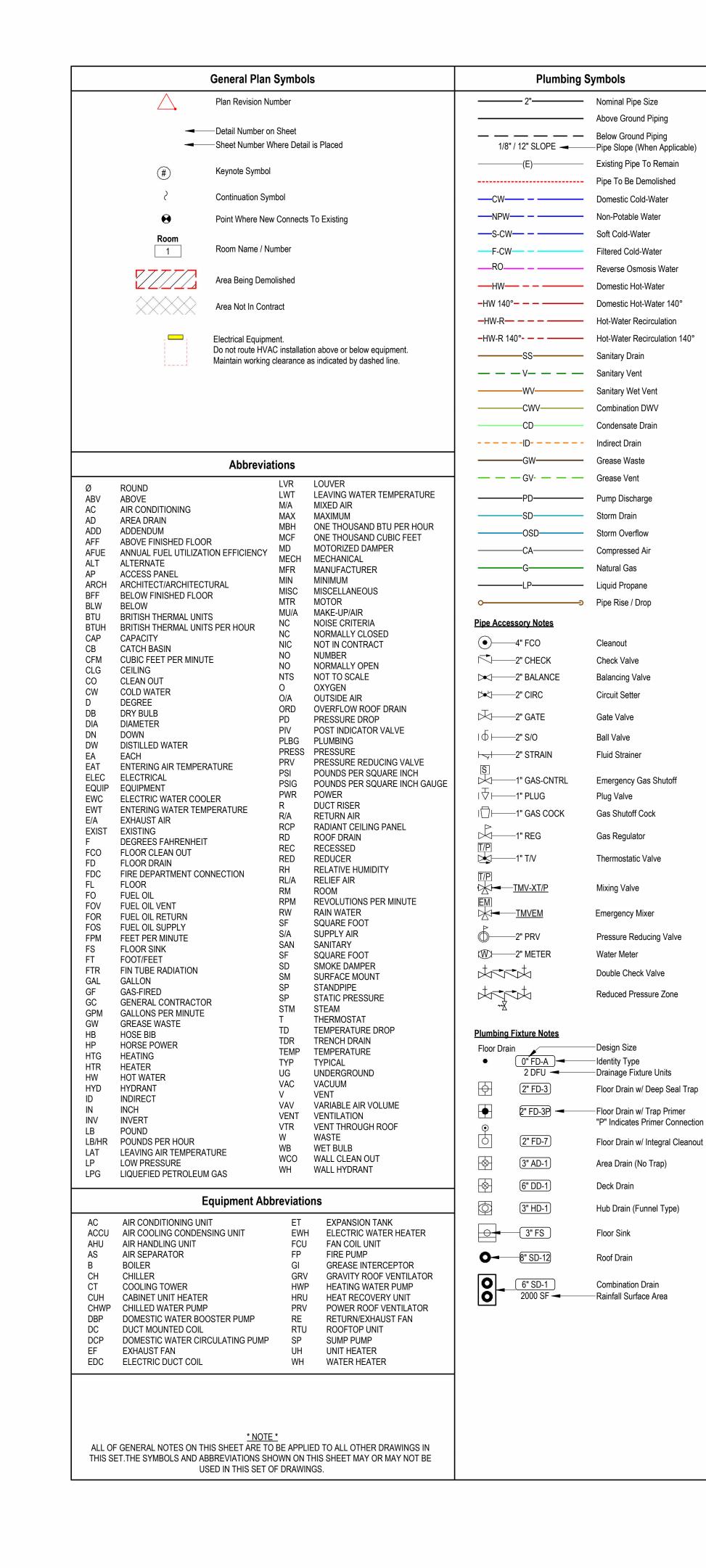
S PLAYGROUND, FOP BAR

S F

PELE'R

24-3421 SHEET NO .:

M6.2





	Plumbing Sheet Index
P0.1	Plumbing Title Sheet
P1.1	Basement Waste and Vent Plan
P1.2	1st Floor Waste and Vent Plan
P1.3	Mezzanine Waste and Vent Plan
P1.4	2nd Floor Waste and Vent Plan
P1.5	Roof Waste and Vent Plan
P1.6	Basement Domestic Water Plan
P1.7	1st Floor Domestic Water Plan
P1.8	Mezzanine Domestic Water Plan
P1.9	2nd Floor Domestic Water Plan
P1.10	Roof Domestic Water Plan
P6.1	Plumbing Schedules
P9.1	Plumbing Riser
P9.2	Plumbing Riser

**GENERAL PLUMBING NOTES** FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS. PITCH UNDERFLOOR SANITARY WASTE PIPING OVER 2" AT 1/8" PER FOOT, 2" AND SMALLER AT 1/4" PER FOOT. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION. ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL (OR UNIFORM, DEPENDING ON JURISDICTION) PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. LOCATE PIPING AND EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS FLOORS WALLS AND ROOF MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED. TRANSITION FROM PIPING SIZES SHOWN TO PROPERLY CONNECT TO EQUIPMENT. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.

> MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE. GENERAL PLUMBING DEMOLITION NOTES ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB. COORDINATE CUTTING, PATCHING OF EXISTING WALLS,

INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS

PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL

PLUMBING EQUIPMENT AND MATERIALS. SUBSTITUTE

APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT

EQUIPMENT AND MATERIALS INSTALLED WITHOUT PRIOR

CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY

PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND

PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS

WITHOUT CEILINGS.

REQUIRED.

CONTRACTOR'S EXPENSE.

CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.

REMOVE ALL PLUMBING INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK

SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE

CONDITION PRIOR TO RE-USE.

INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED. FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW

AYGROUND, BAR

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KANSAS

P. P. SH PELE ROOF DEL AND ADDITIONS APARTMENTS AND REMOI

SALINA,

EVISIONS:

3/20/2025 <u>24-3421</u> **o** SHEET NO .:

2 PROVIDE CONDENSATE PUMP EQUAL TO LITTLE GIANT VCMA-20-PRO WITH OVERFLOW SWITCH, AND ROUTE DISCHARGE UP AS HIGH AS POSSIBLE AND DRAIN BY GRAVITY TO INDIRECT CONNECTION AT FLOOR SINK. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES. ROUTE PIPING AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM IN BASEMENT.

PROVIDE GREASE INTERCEPTOR EQUAL TO SCHIER MODEL GB-50, 50GPM / 439LBS GREASE CAPACITY, 4" CONNECTIONS.

Jones Gillam Ren

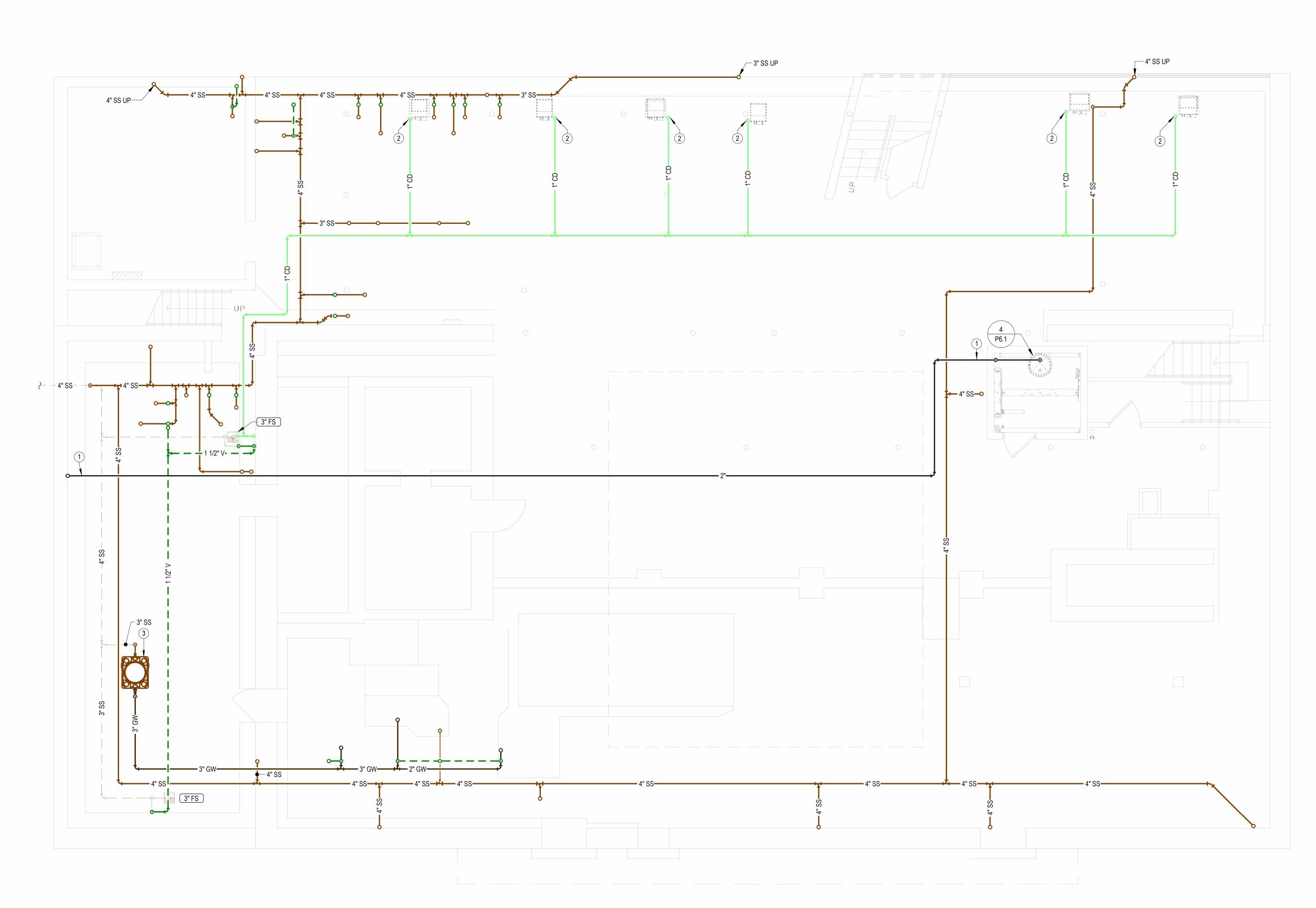
AVE 101 N. SANTA

REMODEL AND ADDITIONS: PELE'S PLAYGROUND
APARTMENTS AND ROOF TOP BAR

KANSAS

24-3421

SHEET NO.:







## NOTES BY SYMBOL

- ROUTE SUMP PUMP DISCHARGE UP IN CHASE AND PENETRATE EXTERIOR WALL 24" A.F.G AND ELBOW DOWN AND TERMINATE PIPE 8" A.F.G IN ALLEY. PIPE SHALL PENETRATE EXTERIOR WALL THROUGH BRICK ABOVE CONCRETE BASE. COORDINATE EXACT LOCATION WITH ARCH.
- 2 CONNECT SINK PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.
- PROVIDE INDIRECT CONNECTION FROM SINK/ EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. EACH BASIN OF MULTI-COMPARTMENT SINKS SHALL HAVE INDIVIDUAL INDIRECT
- 4 ROUTE PIPING VERTICALLY CONCEALED IN WALL OR IN CHASE. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES.

sGillamR

3/20/2025

KANSAS

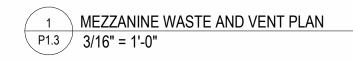
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: PELE'S PLAYGROUND ROOF TOP BAR REMODEL AND ADDITIONS
APARTMENTS AND

SALINA,

3/20/2025

24-3421 SHEET NO.:





#### NOTES BY SYMBOL

- PROVIDE INDIRECT CONNECTION FROM SINK/ EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. EACH BASIN OF MULTI-COMPARTMENT SINKS SHALL HAVE INDIVIDUAL INDIRECT
- ROUTE ALL PIPING AS HIGH AS POSSIBLE BETWEEN AND THROUGH TRUSSES TO MAXIMIZE PLENUM SPACE. COORDINATE EXACT ROUTING WITH OTHER TRADES.
- ROUTE PIPING VERTICALLY CONCEALED IN WALL OR IN CHASE. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES.

**SGillamRe** 

KANSAS

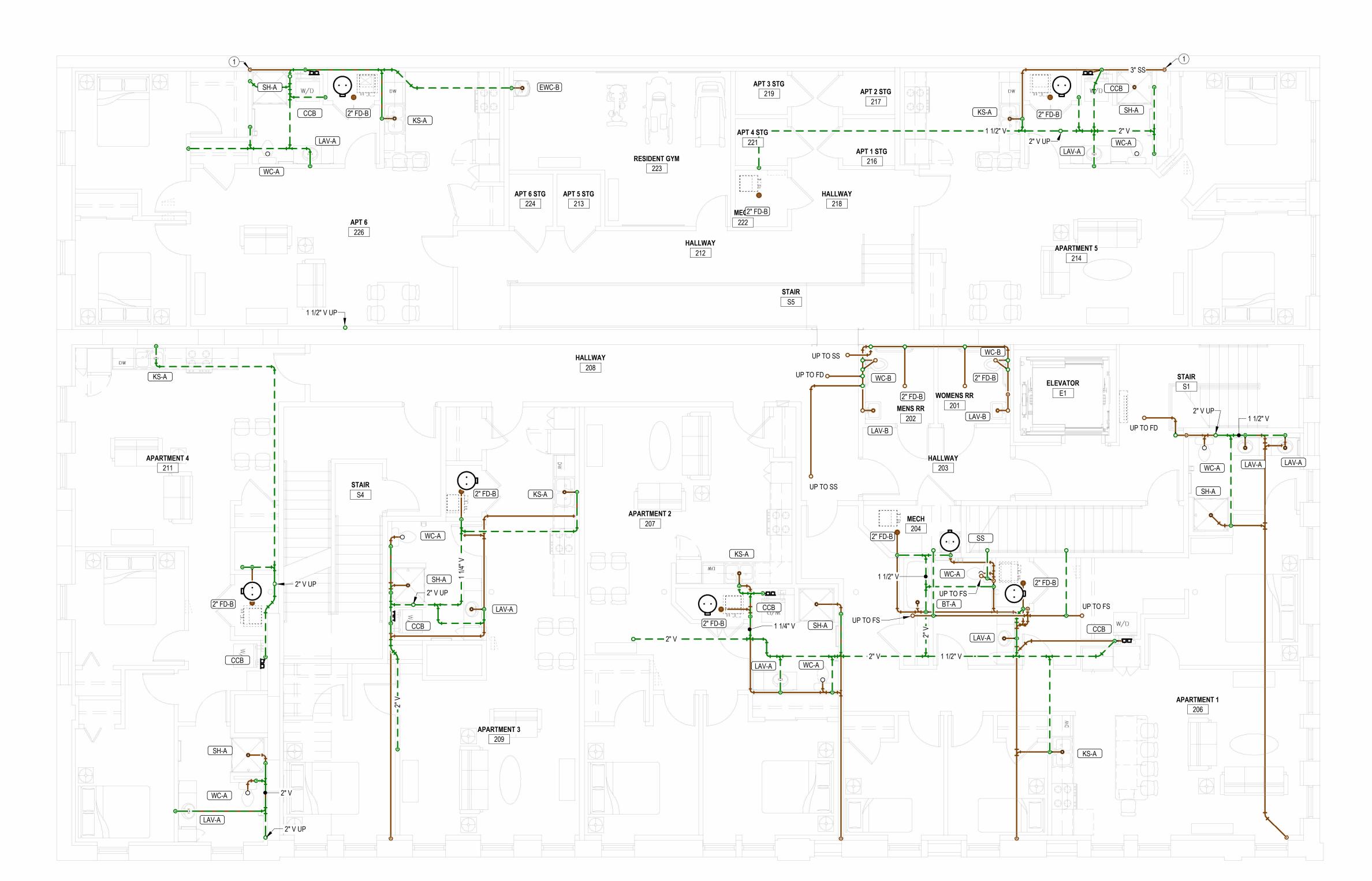
AVE 101 N. SANTA FE

REMODEL AND ADDITIONS: PELE'S PLAYGROUND

SALINA,

3/20/2025 24-3421 SHEET NO.:

ROUTE PIPING VERTICALLY CONCEALED IN WALL OR IN CHASE. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES.



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101 N. SANTA FE AVE.

REMODEL AND ADDITIONS: PELE'S PLAYGROUND,
APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

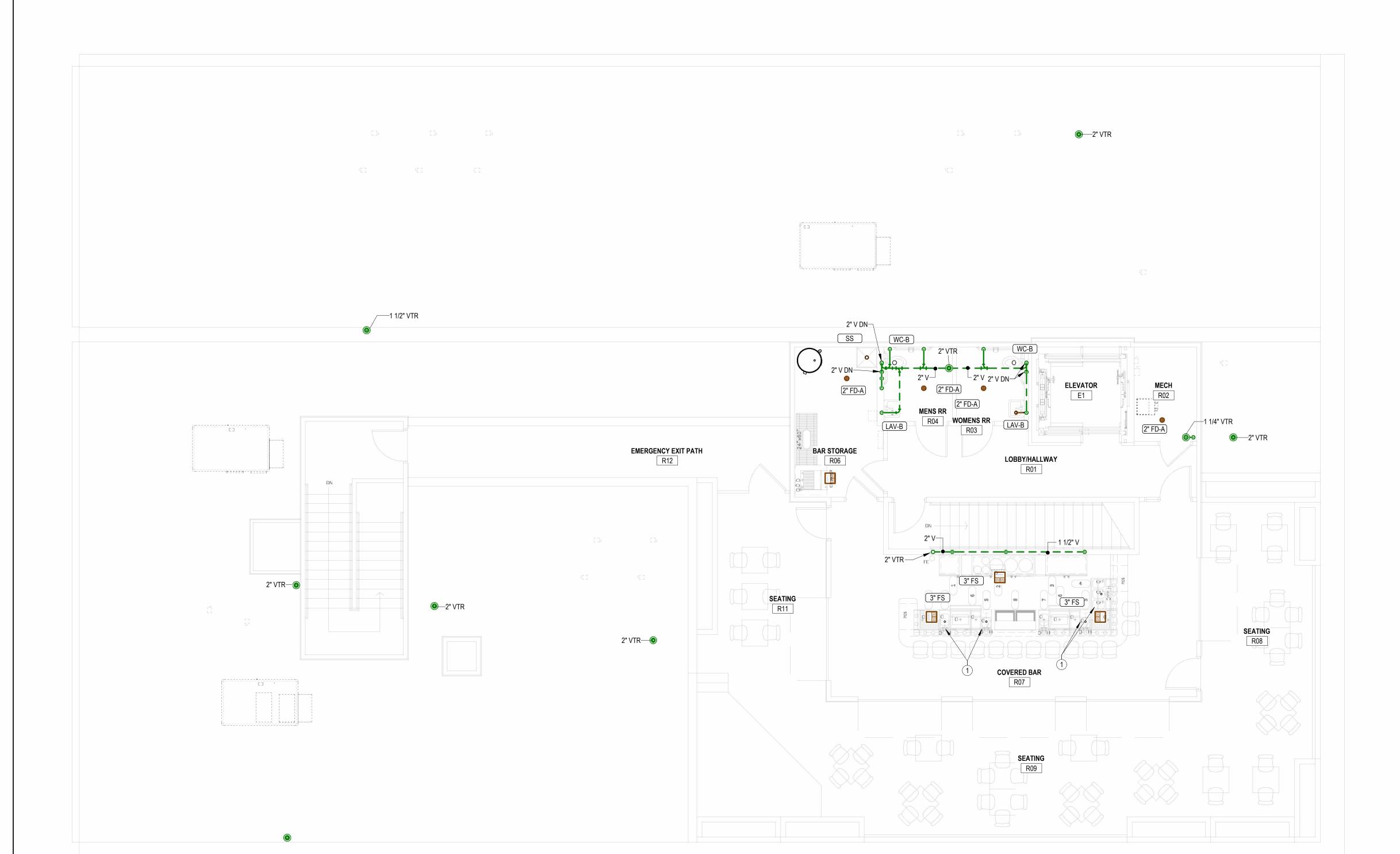
REVISIONS:

DATE: 3/20/2025

JOB: 24-3421

SHEET NO.:

1 PROVIDE INDIRECT CONNECTION FROM SINK/ EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.
EACH BASIN OF MULTI-COMPARTMENT SINKS SHALL HAVE INDIVIDUAL INDIRECT



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AVE 101 N. SANTA FE

REMODEL AND ADDITIONS: PELE'S PLAYGROUND, A APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

3/20/2025 24-3421 SHEET NO .:

2 PROVIDE SHUT-OFF VALVE AND PRESSURE REDUCING VALVE SET TO 80 PSI, IF REQUIRED, IN WATER SERVICE RISER.

BAMFORD FIRE SPRINKLER CO.

			ALTER MATER	RNATE IAL SIZE
			Cross-linked polyethylene (PEX)	Polypropyler
5		1/2"	1/2"	1/2"
	IZE	3/4"	3/4"	3/4"
	E S ED	1"	1-1/4"	1-1/4"
	COPPER PIPE SIZE INDICATED	1-1/4"	1-1/2"	1-1/2"
	ER DIC	1-1/2"	2"	2"
	PP.	2"	2-1/2"	2-1/2"
	8	2-1/2"	3"	3"
		3"	3-1/2"	3-1/2"

Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.

- REQUIREMENTS WITH CITY OF SALINA.
- 3 FIRE SPRINKLER RISER. COORDINATE BUILDING SPRINKLER REQUIREMENTS WITH
- 4 ROUTE ALL PIPING IN BASEMENT AS HIGH AS POSSIBLE TO MAXIMIZE HEADROOM. ROUTE BETWEEN AND THROUGH TRUSSES WHERE POSSIBLE. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND OTHER TRADES.

			RNATE IAL SIZE
		Cross-linked polyethylene (PEX)	Polypropylene
	1/2"	1/2"	1/2"
IZE	3/4"	3/4"	3/4"
E S ED	1"	1-1/4"	1-1/4"
COPPER PIPE SIZE INDICATED	1-1/4"	1-1/2"	1-1/2"
ER	1-1/2"	2"	2"
PP.	2"	2-1/2"	2-1/2"
9	2-1/2"	3"	3"
	מין	3_1/2"	2 1/2"

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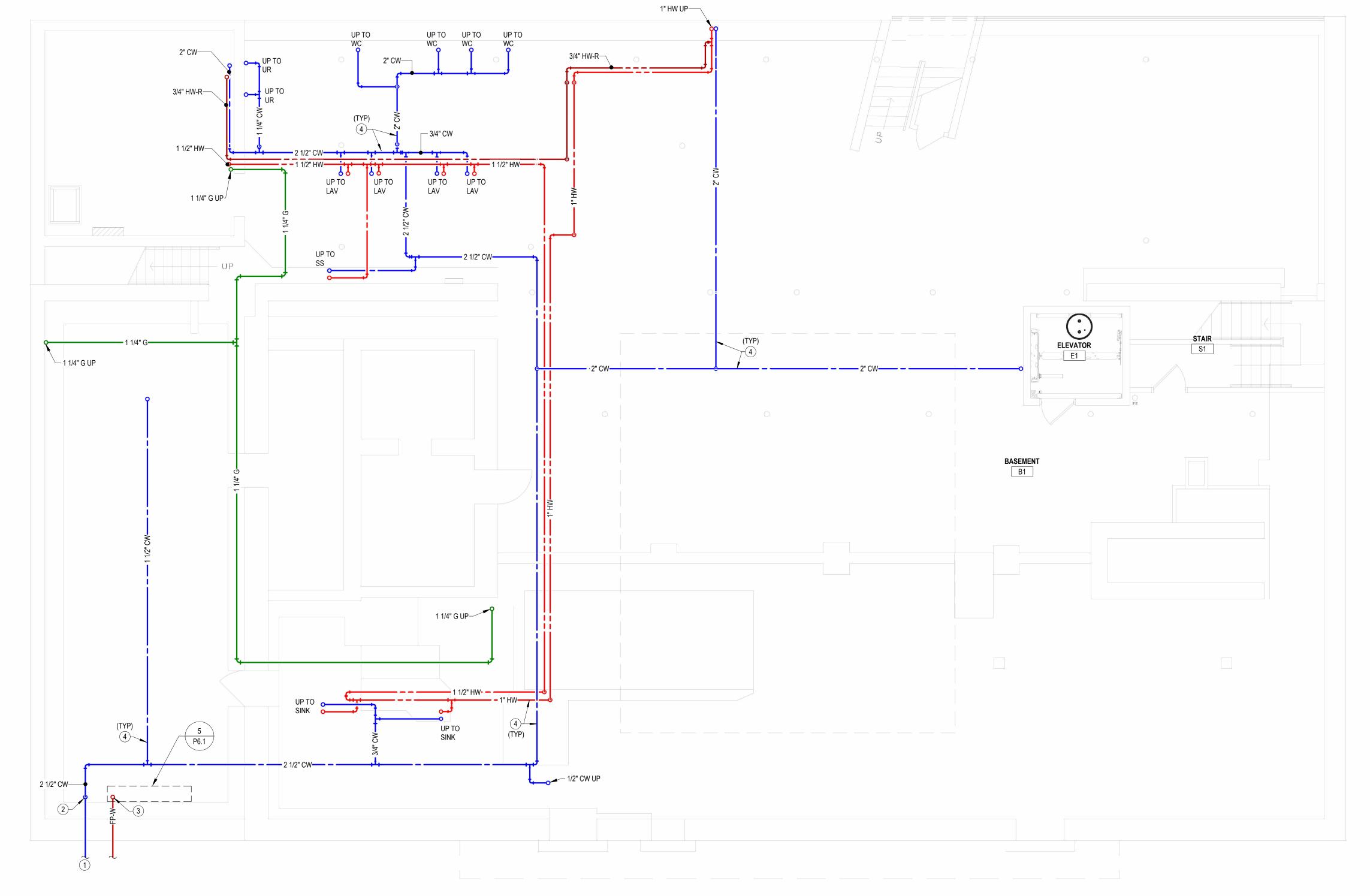
sGillamRen

REMODEL AND ADDITIONS: PELE'S PLAYGROUND SALINA,

KANSAS

24-3421

SHEET NO.:



#### PROVIDE GAS SOLENOID VALVE INTERLOCKED WITH HOOD FIRE SUPPRESSION SYSTEM AND CONNECT GAS PIPING TO OVEN RANGE PROVIDED BY OTHERS. PROVIDE GAS COCK, UNION, AND DIRT LEG. COORDINATE EXACT CONNECTION REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER AND KITCHEN HOOD EQUIPMENT PROVIDED.

- 2 CONNECT GAS TO WATER HEATER. PROVIDE GAS COCK, UNION, AND DIRT LEG. CONNECT 2" GAS PIPING AT DISCHARGE OF GAS METER AND REGULATOR PROVIDED BY KANSAS GAS SERVICE. TOTAL CONNECTED LOAD = 1200 CFH @ 7" W.C. COORDINATE EXACT REQUIREMENTS WITH KANSAS GAS SERVICE AND PAY
- PROVIDE SHUT-OFF VALVE IN BRANCH SERVING WALL HYDRANT IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL IF REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ARCH. AND G.C.
- 5 CONNECT SINK PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.

			RNATE IAL SIZE
		Cross-linked polyethylene (PEX)	Polypropylene
	1/2"	1/2"	1/2"
COPPER PIPE SIZE INDICATED	3/4"	3/4"	3/4"
E S	1"	1-1/4"	1-1/4"
PIP AT	1-1/4"	1-1/2"	1-1/2"
ER DIC	1-1/2"	2"	2"
₹	2"	2-1/2"	2-1/2"
8	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do

- ANY ASSOCIATED FEES.

			ALTER MATER	RNATE IAL SIZE
			Cross-linked polyethylene (PEX)	Polypropylo
		1/2"	1/2"	1/2"
	12E	3/4"	3/4"	3/4"
	COPPEK PIPE SIZE INDICATED	1"	1-1/4"	1-1/4"
	A A	1-1/4"	1-1/2"	1-1/2"
{	EK DC	1-1/2"	2"	2"
	₹ ₹	2"	2-1/2"	2-1/2"
8	3	2-1/2"	3"	3"
		3"	3-1/2"	3-1/2"

not use materials other than those listed.

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REMODEL AND ADDITIONS
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A SALINA,

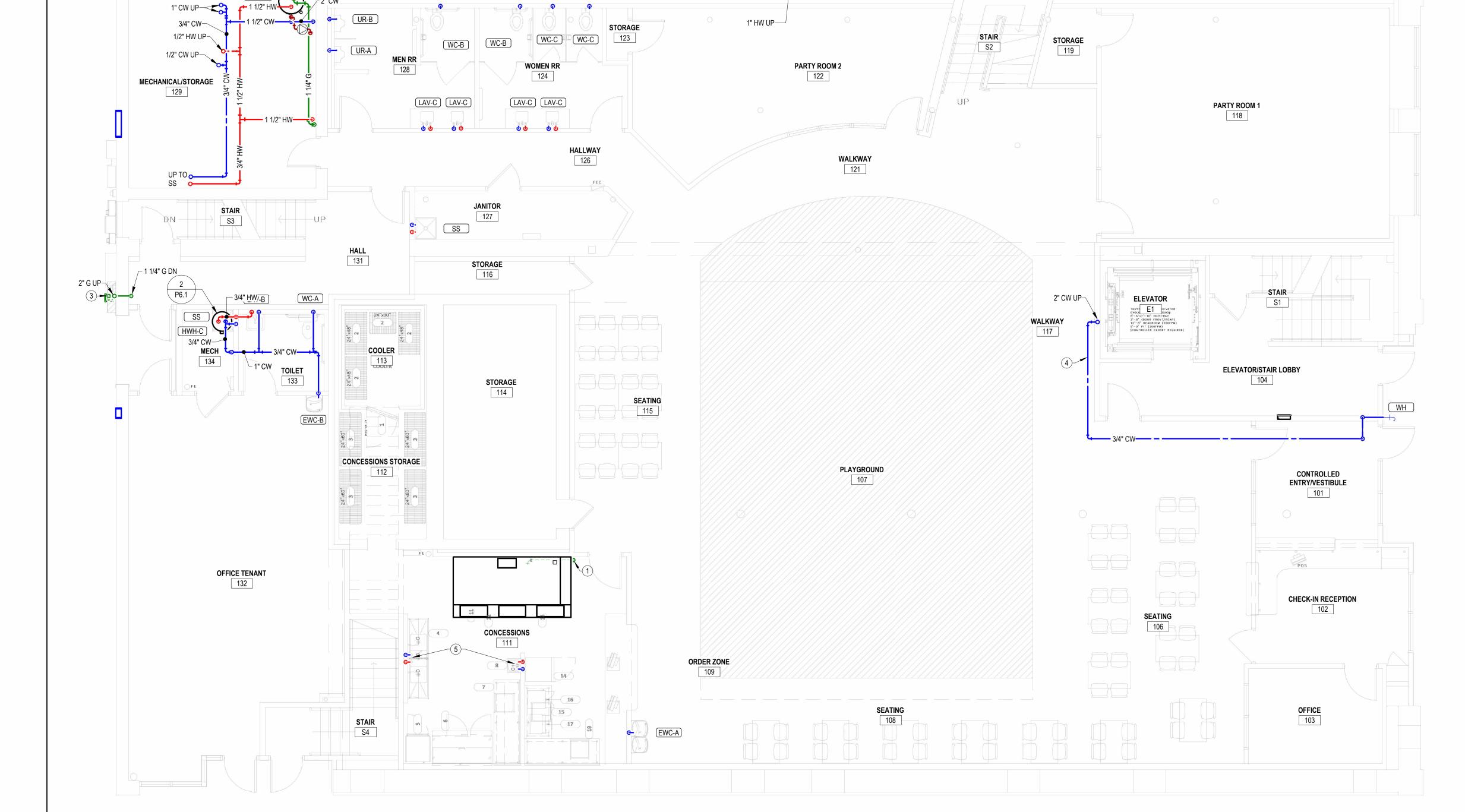
KANSAS

E'S PLAYGROUND, F TOP BAR

PELE'S

3/20/2025

24-3421 SHEET NO.:



			RNATE IAL SIZE
		Cross-linked polyethylene (PEX)	Polypropylen
	1/2"	1/2"	1/2"
IZE	3/4"	3/4"	3/4"
COPPER PIPE SIZE INDICATED	1"	1-1/4"	1-1/4"
PPER PIPE S INDICATED	1-1/4"	1-1/2"	1-1/2"
ER	1-1/2"	2"	2"
PP N	2"	2-1/2"	2-1/2"
8	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"
	•		

Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.

1 CONNECT SINK PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.

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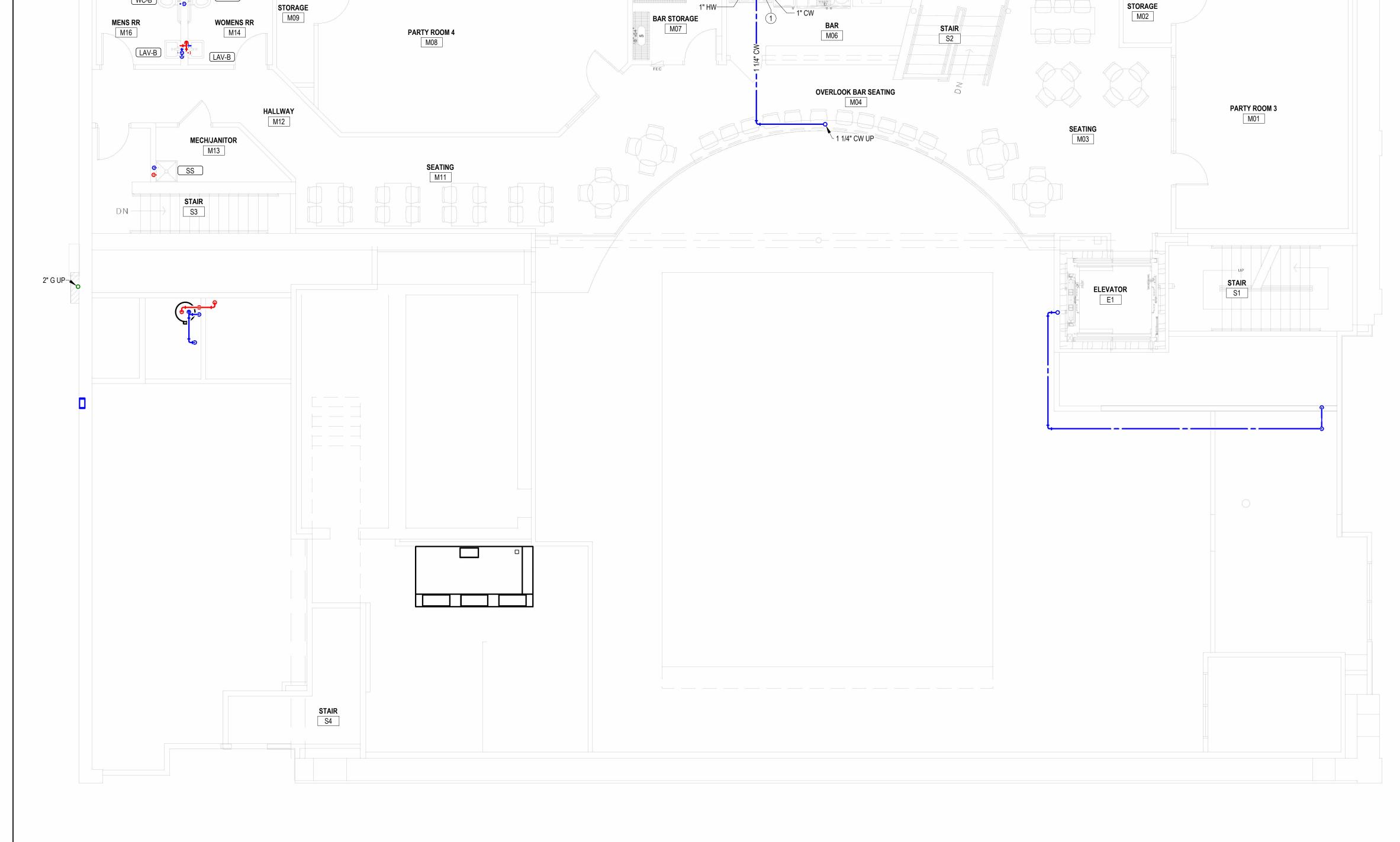
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AVE. 101 N. SANTA FE REMODEL AND ADDITIONS: PELE'S PLAYGROUND, A APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

24-3421 SHEET NO.:



			RNATE IAL SIZE
		Cross-linked polyethylene (PEX)	Polypropylene
	1/2"	1/2"	1/2"
IZE	3/4"	3/4"	3/4"
COPPER PIPE SIZE INDICATED	1"	1-1/4"	1-1/4"
PIP	1-1/4"	1-1/2"	1-1/2"
PER PIPE S INDICATED	1-1/2"	2"	2"
J G S	2"	2-1/2"	2-1/2"
8	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.

1 PROVIDE 1/2" VALVED HW BRANCH BELOW SINK AND CONNECT DISHWASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED BY OTHERS. 2 PROVIDE 1-1/4" WATER SERVICE TO EACH APARTMENT WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION IN MECHANICAL CLOSET.

		CCB SH-A SH-A LAV-A	APT 6 226		APT 3 STG 219  APT 4 STG 218  218  1/2" CW  HALLWAY 212  STAIR S5	APT 1 STG 216  1 1/4" CW	APARTMENT 5  214	SHA
2" G UP	APARTMENT 4  211	MOVI. L. 1/2" CW	1" CW HWH-D	HALLWAY 208  1 1/4" CW  P6.1  APARTMENT 207	2" CW U	1" CW 2" CW	ELEVATOR E1	STAIR S1  WC-A  LAV-A  LAV-A  SH-A  SH-A
	3/4" HW—	HWH-D  2 P6.1  SH-A  3/4" CW	STAIR SH-A  CCB  LAV-A  APARTMEI 209	2 P6.1	HWH-D  1" HW  CCB  SH-A  WC-A	UP TO HAND SINK	HWH-D  1" CW  3/4" HW  3/4" CW  W/D  LAV-A  UP TO HAND SINK  BLENDER STATION  (KS-A)  1	APARTMENT 1  206

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: PELE'S PLAYGROUND ROOF TOP BAR REMODEL AND ADDITIONS
APARTMENTS AND

KANSAS

SALINA,

24-3421 SHEET NO .:

# 1 CONNECT GAS TO WATER HEATER. PROVIDE GAS COCK, UNION, AND DIRT LEG.

- TO FIXTURES AT BAR. SEE 2ND FLOOR PLAN FOR CONTINUATION.
- 4 CONNECT GAS TO ROOF TOP UNIT. PROVIDE GAS COCK, UNION, AND DIRT LEG. 5 CONNECT SINK PROVIDED BY KITCHEN EQUIPMENT SUPPLIER. COORDINATE

2 PROVIDE SHUT-OFF VALVE IN BRANCH SERVING WALL HYDRANT IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL IF REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ARCH. AND G.C. 3 ROUTE HOT WATER AND COLD WATER PIPING DOWN IN WALL AND BELOW FLOOR

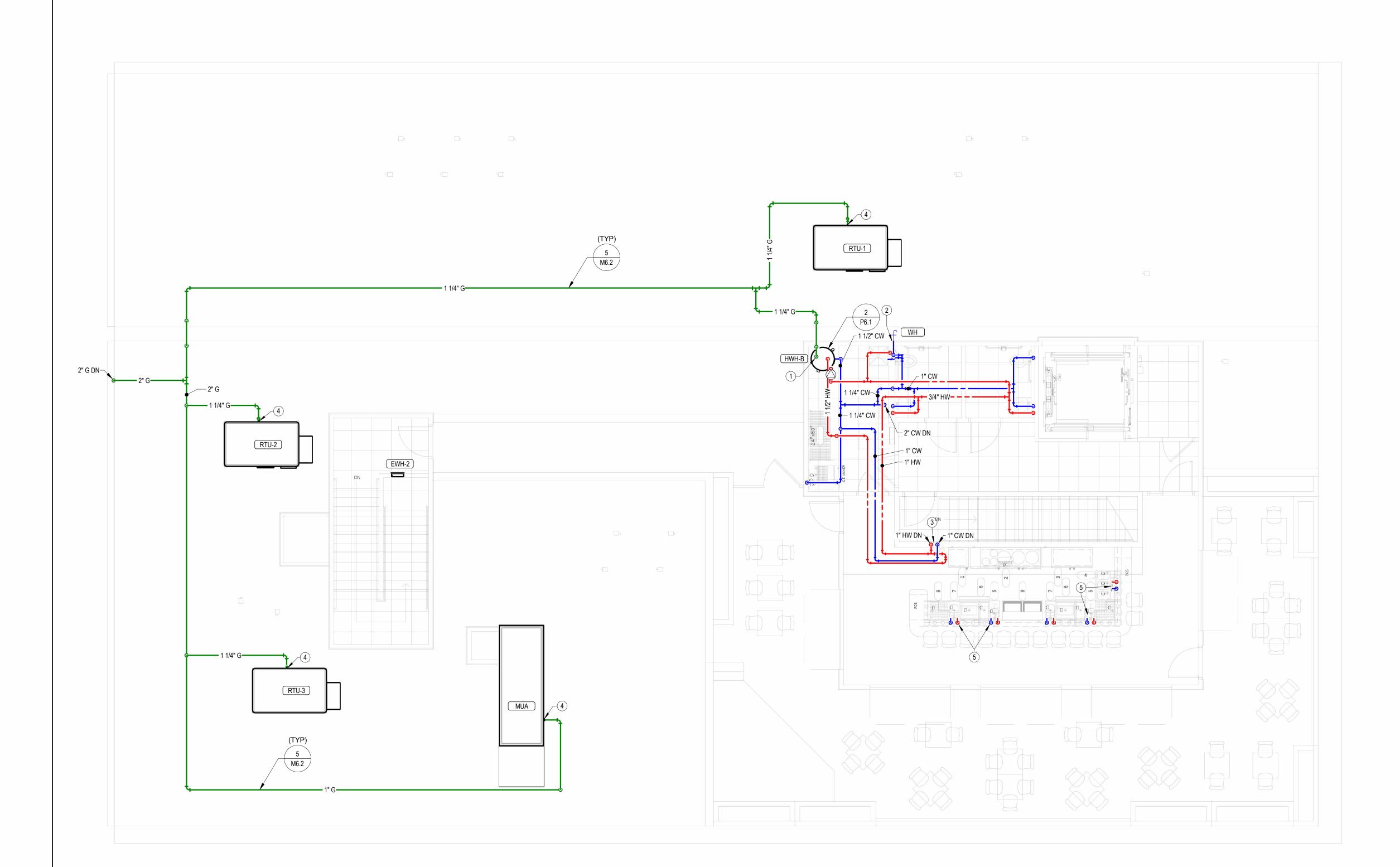
EXACT ROUGH-IN AND CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED BY KITCHEN EQUIPMENT SUPPLIER.

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: PELE'S PLAYGROUND ROOF TOP BAR

KANSAS

24-3421 SHEET NO.:



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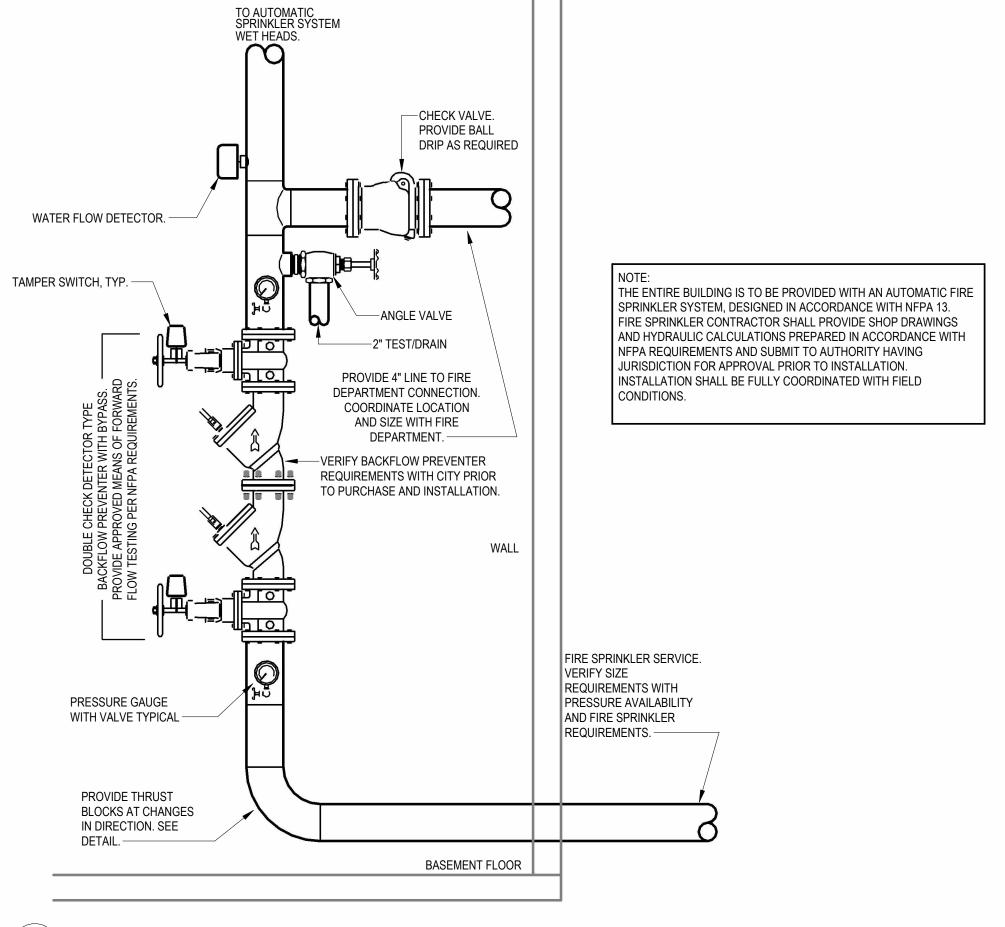
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24-3421 SHEET NO.:



-CHECK VALVE - INSIDE BUILDING —GATE VALVE SEE PLANS FOR CONTINUATION ELECTRICAL CONNECTION SEE ELECTRICAL PLANS. — —DISCHARGE TO DAYLIGHT HIGH WATER LIGHT --CONNECT PUMP WITH PIGGY BACK SEE WATER MODEL HLA-4X HIGH PLUG FROM OIL SMART WATER PUMP LEVEL ALARM SYSTEM 120V, 1, SWITCH. COORDINATE OUTLET NEMA 4X ENCLOSURE, AUDIBLE LOCATION WITH E.C. AND VISUAL ALARMS, ALARM TEST AND SILENCE BUTTONS, REMOTE MONITORING DRY CONTACTS, AND ONE NARROW ANGLE FLOAT SWITCH. --24" x 36" DEEP OPEN FIBERGLASS BASIN, FIBERBASIN OR EQUAL, 3/16" WALL THICKNESS, INLETS AS INDICATED ON PLANS. PROVIDE MOUNT ALARM SWITCH WITH GRATE COVER. SO THAT ALARM SOUNDS WHEN WATER -LIFTING CABLE LEVEL IS 6" BELOW TOP OF SUMP ----WEIL MODEL 8245 TETHERED PIGGYBACK DIFFERENTIAL FLOAT SUBMERSIBLE SUMP SWITCH. MOUNT WITH 6" TETHER PUMP, WEIL 1456, 50 FOR A 12" PUMPING RANGE. GPM @27' HEAD, 2" DISCHARGE, 1/2 HP -2" DISCHARGE ELBOW MOTOR, 120W/1.

> -PROVIDE CLAMP-ON AQUASTS FOR CONTROL

OF CIRCULATION PUMP.

—UNION (TYP.)

4 ELEVATOR SUMP PUMP P6.1 NO SCALE

SEE PLANS FOR CONTINUATION

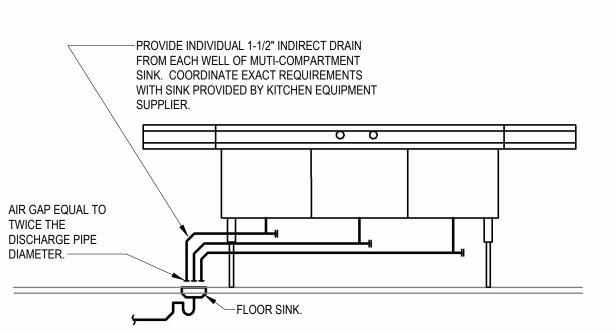
3 MULTI-COMPARTMENT SINK DETAIL P6.1 NO SCALE

> STEEL PIPE SLEEVE-

LINK-SEAL-

5 FIRE PROTECTION RISER DIAGRAM

P6.1 NO SCALE



PIPE SIZES	SLEEVE OPENING SIZE	SIZE
1/2"-1" & 1-1/2" - 2-1/2"	1" LARGER THAN PIPE O.D.	LS-275-C
1-1/4" & 3"	1" LARGER THAN PIPE O.D.	LS-315-C
4"	1-1/2" LARGER THAN PIPE O.D.	LS-340-C
LINK-SEAL FOR CAST I	RON-GLASS "A"	
PIPE SIZES	SLEEVE OPENING SIZE	SIZE
2"	1-1/2" LARGER THAN PIPE O.D.	LS-315-C
3"	1-1/2" LARGER THAN PIPE O.D.	LS-360-C
4"-6"	3" LARGER THAN PIPE O.D.	LS-315-C
LINK-SEAL FOR STEEL	AND PLASTIC PIPE	
PIPE SIZES	SLEEVE OPENING SIZE	SIZE
1/2" - 1-1/2"	1" LARGER THAN PIPE O.D.	LS-275-C
2"	1-1/2" LARGER THAN PIPE O.D.	LS-200-C
3"	1-1/2" LARGER THAN PIPE O.D.	LS-360-C
4"-8"	2" LARGER THAN PIPE O.D.	LS-315-C

ISOLATION VALVE (TYP.) —

EXPANSION TANK EQUAL TO WATTS MODEL 'PLT-5'. -

TO FLOOR DRAIN. —

2 WATER HEATER PIPING DIAGRAM

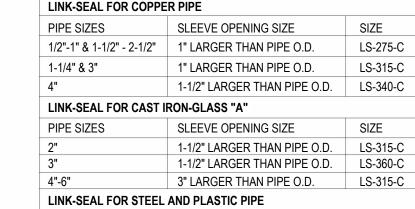
P6.1 NO SCALE

-ESCUTCHEON PLATE

PROVIDE T & P RELIEF VALVE

ROUTE 3/4" PIPE FROM VALVE

CHECK VALVE —



PIPE SIZES	SLEEVE OPENING SIZE	SIZE
2"	1-1/2" LARGER THAN PIPE O.D.	LS-315-C
3"	1-1/2" LARGER THAN PIPE O.D.	LS-360-C
4"-6"	3" LARGER THAN PIPE O.D.	LS-315-C
LINK-SEAL FOR ST	TEEL AND PLASTIC PIPE	
PIPE SIZES	SLEEVE OPENING SIZE	SIZE
1/2" - 1-1/2"	1" LARGER THAN PIPE O.D.	LS-275-C
2"	1-1/2" LARGER THAN PIPE O.D.	LS-200-C
3"	1-1/2" LARGER THAN PIPE O.D.	LS-360-C
4"-8"	2" LARGER THAN PIPE O.D.	LS-315-C

1	TYPICAL EXTERIOR WALL PIPE PENETRATION DETAIL	
P6.1	NO SCALE	

MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM		UGH-IN		COLD	нот	ADA	NOTE
BT-A	AQUARIUS	MODEL A6000TS OT 2P	CAST ACRYLIC TUB/SHOWER, 60"W X33-3/4"D X78"H, WITH INTEGRAL SOAP/TOILETRY SHELVES, RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED, WHITE FINISH. PROVIDE WITH BLOCKING FOR FUTURE GRAB BARS AND SEAT.	DELTA MODEL R10000-UNWS/T13H232	2"	<b>VENT</b> 1 1/2"	1/2"	Yes	Yes	No	NOTE
ССВ	SIOUX CHIEF	696-2313	RECESSED WASHING MACHINE BOX WITH 2"PVC/ABS DRAIN COUPLING AND KNOCKOUT TEST CAP. TWO 1/4 TURN BALL VALVES WITH HAMMER ARRESTORS.		2"	1 1/2"	1/2"	Yes	Yes		
EWC-A	MURDOCK	A172100F-UG-BF12	DUAL LEVEL SELF-CONTAINED WATER COOLER WITH STAINLESS STEEL BASIN, FRONT PUSH BUTTON ACTUATORS, SENSOR OPERATED BOTTLER FILLER, LEAD-FREE COOLING SYSTEM, 120 VOLTS.		2"	1 1/2"	1/2"	Yes	No	Yes	
EWC-B	MURDOCK	A171108F-UG-BF12	SELF-CONTAINED WATER COOLER WITH STAINLESS STEEL BASIN, FRONT PUSH BUTTON ACTUATOR, SENSOR OPERATED BOTTLER FILLER, LEAD-FREE COOLING SYSTEM, 120 VOLTS.		2"	1 1/2"	1/2"	Yes	No	Yes	
FD-A	SIOUX CHIEF	833	ADJUSTABLE FLOOR DRAIN WITH NICKEL BRONZE STRAINER. PROVIDE PROSET TRAP PROTECTION DEVICE.		2"	2"					
FD-B	SIOUX CHIEF	822	ADJUSTABLE FLOOR DRAIN WITH DECK FLANGE AND NICKE BRONZE STRAINER. PROVIDE PROSET TRAP PROTECTION DEVICE.		2"	2"					
ICB	SIOUX CHIEF	696-G1010	ICE MAKER CONNECTION BOX WITH 1/4 TURN BALL VALVE AND INTEGRAL HAMMER ARRESTOR.		0"	0"	1/2"	Yes	No		
KS-A	JUST	DLADA1829A65-J	TWO COMPARTMENT 18 GA STAINLESS STEEL SINK, SELF RIMMING, (2) 12"X12"X6-3/8"D BOWLS, FULLY UNDERCOATED, FAUCET HOLES AS REQ.	DELTA MODEL 400-HDF SINGLE HANDLE KITCHEN SINK FAUCET WITH HOSE SPRAY ATTACHMENT. CHROME FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
LAV-A	AMERICAN STANDARD	0476.028	SELF-RIMMING LAVATORY, WHITE VITREOUS CHINA, 20"W X 17", FAUCET HOLES ON 4" CENTERS.	DELTA MODEL 22C151 SINGLE HANDLE FAUCET. LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
LAV-B	AMERICAN STANDARD	0355.012	WALL HUNG LAVATORY, WHITE VITROUS CHINA, 21-1/4"W X 18-1/4", FRONT OVERFLOW, FAUCET HOLES ON 4" CENTERS.	DELTA MODEL 22C151 SINGLE HANDLE FAUCET. LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
LAV-C	AMERICAN STANDARD	0476.028	SELF-RIMMING LAVATORY, WHITE VITREOUS CHINA, 20"W X 17", FAUCET HOLES ON 4" CENTERS.	DELTA MODEL 22C151 SINGLE HANDLE FAUCET. LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	
SH-A	AQUATIC	13636FHARRF	CAST ACRYLIC SHOWER, 36" SQUARE INSIDE, REAR MOLDED SOAP SHELF, PROVIDE WITH BACKING PER ANSI A 117.1 STANDARDS. PROVIDE WITH BRASS DRAIN WITH CHROME STRAINER.	DELTA MODEL R10000-UNWS/T13H132 PRESSURE BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS, SINGLE METAL LEVER HANDLE, WITH 1.5 GPM SHOWER HEAD AND ARM.	2"	1 1/2"	1/2"	Yes	Yes	No	
SS	FIAT	MSB-2424	ONE PIECE MOLDED STONE MOP BASIN, 24" SQUARE, STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULK CONNECTION, STAINLESS STEEL WALL GUARDS.	CHICAGO FAUCET MODEL 897-CPP FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, INTEGRAL CHECK VALVES, METAL LEVER HANDLES.	3"	1 1/2"	3/4"	Yes	Yes	No	
UR-A	AMERICAN STANDARD	6002.001	WALL HUNG URINAL, VITREOUS CHINA, 3/4" TOP SPUD, ELONGATED FLUSHING RIM, WASHDOWN FLUSHING ACTION. MOUNT WITH RIM AT 17" AFF.	0.125 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE.	2"	2"	3/4"	Yes	No	Yes	
UR-B	AMERICAN STANDARD	6002.001	WALL HUNG URINAL, VITREOUS CHINA, 3/4" TOP SPUD, ELONGATED FLUSHING RIM, WASHDOWN FLUSHING ACTION. MOUNT WITH RIM AT 24" AFF.	0.125 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE.	2"	2"	3/4"	Yes	No	No	
WC-A	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1/2"	Yes	No	Yes	
WC-B	AMERICAN STANDARD	3043.001	FLOOR MOUNTED FLUSH VALVE WATER CLOSET, WHITE VITREOUS CHINA, TOP SPUD 1.28 GPF, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	1.28 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE / WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1"	Yes	No	Yes	
WC-C	AMERICAN STANDARD	2234.001	FLOOR MOUNTED FLUSH VALVE WATER CLOSET, WHITE VITREOUS CHINA, TOP SPUD 1.28 GPF, 12" ROUGH-IN, ELONGATED 15" HIGH BOWL.	1.28 GPF PISTON TYPE MANUAL CHROME PLATED FLUSH VALVE / WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	1"	Yes	No	No	
WH	WOODFORD	B67	AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH ASSE 1052	<b>32.</b> 11			3/4"	Yes	No	No	

PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION

FIXTURE AND INSTALLATION TO MEET REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT. 2. PROVIDE 1/4 TURN ANGLE STOPS WITH ESCUTCHEON PLATES, AND CHROME PLATED OR BRAIDED STAINLESS STEEL SUPPLIES, AND 1-1/4" CAST BRASS P-TRAP.

3. INSULATE WATER AND WASTE PIPING BELOW LAVATORY. UTILIZE INSULATION KIT EQUIVALENT TO LAVGUARD BY TRUEBRO.

4. TRIM SHALL BE PROVIDED WITH POLISHED CHROME FINISH. 5. PROVIDE CAST IRON CLOSET CARRIER OR SUPPORT SYSTEM WITH FEET ANCHOR BOLTED TO FLOOR.

1. Provide wall hung platform equal to Holdrite #50-SWHP-W-C. Coordinate exact location and mounting height with Arch. and G.C.

2. Provide manufacturer's concentric vent wall termination.

6. INSTALL WITH SPOUT AT 30" AFF. 7. PROVIDE WALL HUNG PLATFORM FOR WATER HEATER EQUAL TO HOLDRITE #50-SWHP-W-C. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT.

8. FIXTURE AND INSTALLATION TO MEET REQUIRMENTS OF AMERICANS WITH DISABILITIES ACT FOR WATER CLOSETS FOR AGES 5 THROUGH 8.

DOUBLE CHECK BACKFLOW PREVENTOR, LOOSE TEE KEY HANDLE, WITH RECESSED BOX WITH DOOR. PROVIDE WITH CHROME PLATED EXTERIOR

MARK	MANUFACTURER	MODEL	DESCRIPTION	Notes
HWH-A	AO Smith	BTH-199	Model BTH-199, 100 gallon 97% efficient gas water heater, direct vent, 199,000 BTUH input, 235 GPH recovery @ 100 deg. temp rise. Supplied with temperature and pressure relief valve and brass drain valve. Provide with manufacturer's concentric vent kit.	2
HWH-B	AO Smith	BTH-120	Model BTH-120, 100 gallon 95% efficient gas water heater, direct vent, 120,000 BTUH input, 138 GPH recovery @ 100 deg. temp rise. Supplied with temperature and pressure relief valve and brass drain valve. Provide with manufacturer's concentric vent kit.	2
HWH-C	AO Smith	DEL-20	20 Gallon electric water heater, 1500 watts, 120v heating element, 6 GPH recovery @ 100°F temp rise. Supplied with temperature and pressure relief valve and brass drain valve.	1
HWH-D	AO Smith	DEN-40	40 Gallon electric water heater, 0.92 UEF, 4500 watts, 240v heating element, 18 GPH recovery @ 100°F temp rise. Supplied with temperature and pressure relief valve and brass drain valve.	
HWP	Bell & Gossett	NBF-36	Domestic water circulation pump, bronze body, 10 gpm @ 10' head, 120V AC. Provide clamp on aquastat for control.	

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730 N. Ninth 1881 Main Street,
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101 N. SANTA FE AVE.

REMODEL AND ADDITIONS: PELE'S PLAYGROUND,
APARTMENTS AND ROOF TOP BAR

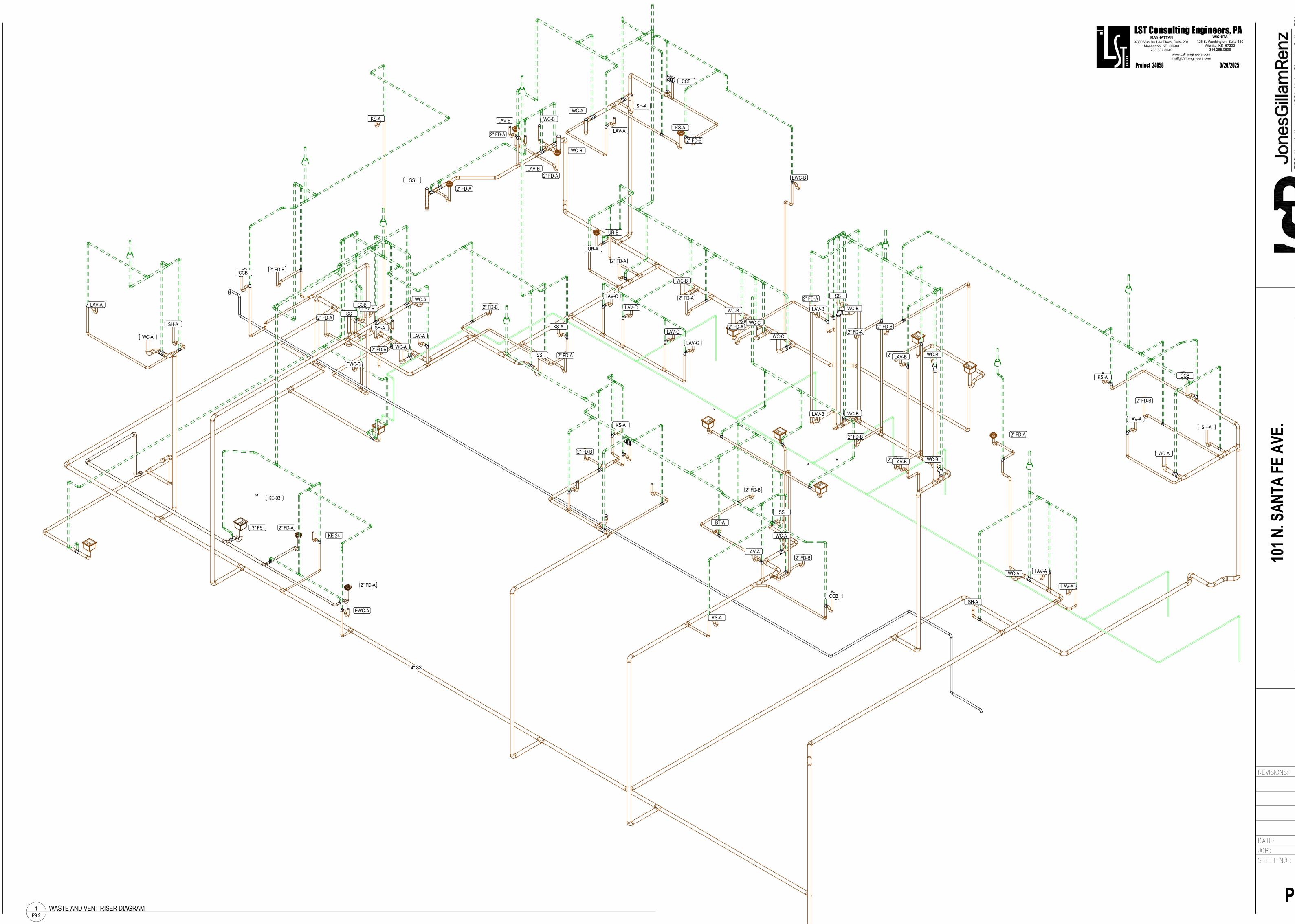
KANSAS

SALINA,

SIONS:

DATE: 3/20/2025 JOB: 24-3421 SHEET NO.:

P9.1



REMODEL AND ADDITIONS: PELE'S PLAYGROUND, A APARTMENTS AND ROOF TOP BAR

SALINA,

3/20/2025 24−3421 **⊚** 

P9.2

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1P 1 Pole (2P, 3P, 4P, ETC.) MCB Main Circuit Breaker A, Amp Ampere MCC Motor Control Center AC Above Counter MDC Main Distribution Center ACLG Above Ceiling MDP Main Distribution Panel ADO MFR Automatic Door Opener Manufacturer MFS Main Fused Disconnect Switch Amp Frame AFF Above Finished Floor MH Manhole Above Finished Grade MIC AFG Microphone Arc Fault Circuit Minimum MISC Miscellaneous Interrupter AHU MI O Main Lugs Only Air Handling Unit Aluminum Manual Motor Starter ALT Alternate MOA Multioutlet Assembly AMP MSP Motor Starter Panelboard Ampere AMPL Amplifier MSBD Main Switchboard ANNUN Annunciator MSS Motor Starter Switch APPROX Approximately Mount AQ-STAT Aquastat MT.C Empty Conduit ARCH Architect, Architectural MTS Manual Transfer Switch AS Amp Switch MTR Motor, Motorized ΑT Amp Trip N.C. Normally Closed ATS Automatic Transfer Switch National Electrical Code AUTO Automatic NEMA National Electrical AUX Auxiliary Manufacturer's Association ΑV Audio Visual Non-Fused Safety Disconnect AWG American Wire Gauge Switch BATT NIC Not In Contract Batterv BD Night Light BLDG N.O. Normally Open BMS Building Management System NPF Normal Power Factor NTS Not To Scale Conduit CAB Cabinet On Center CAT Catalog Overhead CATV Cable Television Overloads CB Circuit Breaker Public Address CCTV Closed Circuit Television Pull Box Or Pushbutton CKT Circuit Pneumatic Electric CLG Ceiling PED Pedestal COMB Combination Power Factor CMPR Compressor Phase Post Indicating Valve CONN Connection CONST Construction Panel CONT Continuation Or Continuous Power Pole CONTR Contractor PR Pair CONV Convector Primary CP PROJ Circulating Pump Projection CRT Cathode-Ray Tube PRV Power Roof Ventilator CT Current Transformer Potential Transformer CTR Center Polyvinyl Chloride (Conduit) CU PWR Copper Power DCP Domestic Water Circulating Pump QUAN Quantity DEPT RCPT Receptacle Department DET REQD Required Detail DIA RM Room Diameter DISC RSC Rigid Steel Conduit Disconnect DIST RTU Distribution Roof Top Unit DN Down Surface Conduit DPR SEC Damper Secondary SHT DS Safety Disconnect Switch Sheet DT SIM Similar Double Throw DWG Drawing SLD Single-Line Diagram EC Electrical Contractor S/N Solid Neutral ELEC SPEC Electric, Electrical Specification ELEV SPKR Elevator Speaker ELU Emergency Lighting Unit Spare EM SPP Single-Point Power Energy Management System Surface Raceway Electrical Metallic Tubing Stainless Steel Electric Pneumatic SSW Selector Switch EQUIP Equipment S/S Stop/Start Pushbuttons EWC Electric Water Cooler STA Station EXIST Existing STD Standard EXH Exhaust SURF Surface Mounted EXP Explosion Proof SW Switch SWBD Switchboard FA Fire Alarm FABP Fire Alarm Booster Power SYM Symmetrical Supply Panel SYS System FACP Fire Alarm Control Panel Telephone TERM Terminal FCU Fan Coil Unit FIXT Fixture Twist Lock FLR Floor Tamper Resistant FLUOR Fluorescent T-STAT Thermostat FU Fuse TTC Telephone Terminal Cabinet FUDS Fused Safety Disconnect Switch Television TVTC GΑ Gauge Television Terminal Cabinet GAL Gallon TYP Typical GALV Galvanized UC Under Counter GC General Contractor Underground Electrical GEN Generator UG Underground GFI Ground Fault Circuit Interrupter Unit Heater UH GFP Ground Fault Protector Underground Telephone GND UTIL Ground Utility GRS Galvanized Rigid Steel (Conduit) UV Ultraviolet GYP BD Gypsum Board Volt HOA Hands-Off-Automatic Switch Volt-Amperes VA HORIZ Horizontal VDT Video Display Terminal HP VERT Horsepower Vertical HPF High Power Factor VFD Variable Frequency Drive HT VOL Volume Height HTG W Watt Heating HTR HV High Voltage WG Wire Guard HVAC Water Heater Heating, Ventilating And Air Conditioning W/O Without WP Interrupting Capacity Weatherproof XFMR Transformer Isolated Ground IMC Intermediate Metal Conduit XFR Transfer INCAND Incandescent IR Infrared Interlock With J-BOX Junction Box ΚV Kilovolt At KVA Kilovolt-Ampere Delta KVAR Kilovolt-Ampere Reactive Feet KW Kilowatt Inches KWH Kilowatt Hour Number LOC Locate Or Location Phase LT Light Center Line LTG Lighting Plate LTNG Lightning LV Low Voltage MAX Maximum MAG.S Magnetic Starter M/C Momentary Contact

Mechanical Contractor

**Electrical Abbreviations** 

### **Electrical Symbol Legend** Lighting Symbols Power Symbols Lighting Fixtures, Typical, Rectangular (Various Symbols) Lighting Fixtures, Typical, Round (Various Symbols) Center dot indicates pendant. Chevron indicates wall wash. Wall-mounted fixtures, Typical (Various Symbols) Strip Fixture Directional Light, Track Light, Flood Light - - - Linear Light, Tape Light Emergency Lighting Unit, Ceiling-Mounted, Integral Battery Emergency Lighting Unit, Ceiling-Mounted, Remote Battery Emergency Lighting Unit, Wall-Mounted, Integral Battery Emergency Lighting Unit, Wall-Mounted, Remote Battery Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons. Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons. Exit/ELU Combo Pole/Area Lights Power Device and Equipment Tags Post-Top Area Light Bollard Light Hatch indicates light on an emergency or life safety circuit. Single-Pole Switch Two-Pole Switch Three-Pole Switch Switch Modifiers: OS: Occupancy Sensor 3: 3-Way 4: 4-Way VS: Vacancy Sensor K: Keyed CT: Above-Counter D: Dimming LV: Low-Voltage T: Timer M: Motor-Rated Lighting Contactor LC Lighting Control Panel OS Occupancy Sensor (# indicates type) 1 = line voltage 2 = low voltage PP Low-voltage power pack Lighting Tags Power Distribution Equipment Top Value: Fixture Type ID (<u>Underlined</u>) Bottom Value, Lowercase Letter: Switch ID —Bottom Value, Number(s): Circuit Number -Bottom Value, Uppercase Letter(s): Panel Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "x" in place

of the switch designation indicates unswitched.

contactors.

<u>Miscellaneous</u>

Switch ID indicated by a lowercase letter. Switch IDs are

devices within the space in which it is located tagged with

fixtures within a space. ID tags may be used on control

Top Value: Detail Number on Sheet

Room Name and Number

Bottom Value: Sheet Number of Detail

devices other than switches, such as occupancy sensors or

unique per space. A switch with an ID "a" controls all

(OS)<sup>a</sup> "a". A switch without a tagged ID controls all lighting

Area Not in Contract

Note by Symbol

Junction Box

M Power Meter

Motor Starter

Contactor

by the contractor.

Telecom Symbols

▼ Telephone Outlet

▼ Data/Telephone Outlet

**Outlet Modifiers:** 

Wireless Access Point

##": Height AFF (to center)

CT: Mounted Above Counter Top

Fire Alarm Symbols F Manual Pull Station F Horn, Wall F Horn, Ceiling 👲 🖶 🖫 Quadruplex Receptacle Strobe, Wall, Candela as indicated Special Receptacle, Type as Indicated Strobe, Ceiling, Candela as indicated Receptacle Modifiers: Horn/Strobe, Wall, Candela as indicated ##": Height AFF(to center) CT: Device Mounted Above Counter Top Horn/Strobe, Ceiling, Candela as indicated IG: Isolated Ground H: Device Mounted Horizontally Remote Indicator w/ Test Switch, Wall WP: Weatherproof In-Use Cover Remote Indicate w/ Test Switch, Ceiling Half shading indicates split (typically switched) Outside shading indicates tamperproof device Smoke Detector Center shading indicates GFI type Smoke Detector - 120V Local (Apartments) Full shading indicates tamperproof GFI type ⟨ ↓ ⟩ Heat Detector Multioutlet Assembly Filled squares indicate 120V outlet
Open squares indicate with USB Carbon Monoxide Detector Beam Detector T: Transmitter R: Receiver Cord Reel, Device Varies Combination Detector (Up to Three) Drop Cord, Device Varies Duct Smoke Detector > Smoke Damper |F1| Floor Box, see schedule for type DH Door Holder ● Emergency Power Off DCL Door Closer DO Door Opener Push Plate Fire Service Phone XXX Addressible Module AIM: Addressible Input Module AOM:Addressible Output Control Module ☐ Safety Switch, Unfused AIO: Addressible Input/Output Module XXXX Fire Alarm Control Unit EVAC: Voice Evacuation Control Panel FAA: Fire Alarm Annunciator FACP: Fire Alarm Control Panel FATC: Fire Alarm Terminal Cabinet NACP: Notification Appliance Circuit Panel FAMN: Fire Alarm Mass Notification Control Electrical DeviceTags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where Supervisory or Interface Device PIV: Post Indicator Valve Supervisory Equipment Tags: Equipment ID is indicated by an PS: Pressure Switch R: Non-Addressible Relay underlined tag adjacent to the equipment. See the VS: Valve Supervisory Switch equipment connection schedule for description, electrical requirements, and panel and circuit WF: Water Flow Switch number. Symbols/graphic appearance of equipment Security Symbols □□□ Security Camera PTZ: Pan/Tilt/Zoom Solid, arced lines connecting equipment, devices, or ⊢CR Card Reader fixtures indicate unswitched power circuiting. Wires are ⊢CK Card Reader with Keypad only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, ⊢(TV) Closed Circuit TV Outlet installtion, junction boxes, etc. shall be field-determined DC Door Contact Dashed, arced lines connecting equipment, devices, or ES Electric Strike fixtures indicate switched power. ⊢IC Intercom Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by ML Magnetic Lock a hyphen. Homeruns are only intended to indicate panel and circuit number. Actual homerun location shall be RX Request to Exit Button field-determined by the contractor. REX Request to Exit Sensor MD Motion Detector XXX Security Control Unit SCP: Security Control Panel SPS: Security Power Supply Unit (Typical All Symbols and Equipment) Hatched fill indicates distribution panel or switchboard. Solid fill indicates branch panel or load center. Existing to Remain Dashed box indicates code-required clearance (width and depth). Existing to Be Demolished Door indicates front of recessed panel. Devices and fixtures are tagged with Panel and circuit number. For example, a device tagged with "A:1" indicates the device is circuited to panel designated "A," circuit number 1. Transformer: Typically transformer names begin with T1 or contain the letter "T". See Single-Line Diagram for description and requirements.

**GENERAL ELECTRICAL NOTES** COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF PLUMBING AND MECHANICAL INSTALLATION. CONDUITS SHALL BE ROUTED THROUGH JOIST VERIFY EXACT PLACEMENT OF ALL LUMINAIRES, DEVICES, AND EQUIPMENT SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE "LISTED" AND "IDENTIFIED" AS RATED FOR A MINIMUM OF 75°C CONDUCTOR TERMINATION. DEFINITION OF TERMS "SHALL": ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION. "FURNISH": CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING. CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND TEST EQUIPMENT FURNISHED BY HIM OR OTHERS. "PROVIDE": CONTRACTOR SHALL FURNISH AND INSTALL. **MOUNTING HEIGHT REQUIREMENTS:** UNLESS SPECIFICALLY INDICATED OTHERWISE, THE FOLLOWING MOUNTING HEIGHTS SHALL APPLY: RECEPTACLES TELECOMMUNICATIONS OUTLETS 16" TO BOTTOM LIGHT SWITCHES 48" TO TOP THERMOSTATS **48" TO TOP**  HUMIDISTATS 48" TO TOP FIRE ALARM PULL STATIONS **48" TO TOP**  FIRE ALARM NOTIFICATION DEVICES LOWER OF: 88" TO BOTTOM OR TOP AT 6" BELOW CEILING **GENERAL LIGHTING NOTES** THE CIRCUITING OF ALL LUMINAIRES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT. CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS. DIRECT CURRENT POWER WIRING FROM EXIT SIGNS TO REMOTE EXTERIOR EMERGENCY LIGHTING HEADS SHALL BE (2) #10 IN 1/2" CONDUIT UNLESS NOTED IN AREAS WHERE CEILING MOUNTED OCCUPANCY SENSORS ARE USED FOR LIGHTING CONTROL IN CONJUNCTION WITH WALL SWITCHES, OCCUPANCY SENSOR/POWER PACK SHALL SWITCH LEG SHALL BE WIRED IN SERIES WITH WALL SWITCHES TO PROVIDE OVERRIDE "OFF" CONTROL FOR LIGHTS. CONTROL WIRING FOR 0-10 V-dc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1 ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS.

CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (- V-dc).

THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE

VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE

EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE

WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE

CONTRACTOR SHALL PROVIDE SINGLE GANG WALL BOX WITH 1/2" CONDUIT

STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND

PROVIDE THE FOLLOWING RACEWAY ROUGH-IN FOR TELECOMMUNICATIONS

PULLSTRING IN RACEWAY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF

- WALL PHONE OUTLET: 2"x4"x2-1/8" DEEP DEVICE BOX WITH (1) 3/4" CONDUIT TO

- PHONE/DATA OUTLET: 4-11/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR

- TV OUTLET: 4-11/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR EQUAL) WITH

PROVIDE NYLON BUSHINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX

CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED

CEILINGS IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS,

PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT

TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER.

ALL TELECOMMUNICATIONS AND A/V CABLING, JACKS, CONNECTORS,

2-GANG DEVICE RING AND (1) 2" CONDUIT TO ABOVE ACCESSIBLE CEILING.

EQUAL) WITH 1-GANG DEVICE RING AND 1-1/4" CONDUIT TO ABOVE

SENSORS, HUMIDISTATS, CO 2 SENSORS, ETC) SHALL BE PROVIDED BY

MECHANICAL CONTRACTOR. UNLESS NOTED OTHERWISE. ELECTRICAL

GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS. COORDINATE

CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN

WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON

EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO

CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.

WHERE MC-CABLE IS USED FOR FINAL 6' POWER CONNECTION WHIP TO

LUMINAIRE, UTILIZE "LUMINARY" TYPE MC-CABLE WITH INTEGRAL CLASS 1

CONTROL WIRING.

GENERAL POWER NOTES

DEVICES.

GENERAL TELECOMMUNICATIONS NOTES

ABOVE ACCESSIBLE CEILING.

OR FITTING TO PROTECT CABLING FROM DAMAGE.

STUB CONDUIT INTO STRUCTURAL JOIST SPACE.

PROVIDE SUITABLE PULL STRING IN ALL CONDUITS.

OUTLET TYPES INDICATED:

ACCESSIBLE CEILING.

ACTIVATED BY OWNER.

**Electrical Sheet List** E1.1 Basement Lighting Plan E1.2 | 1st Floor Lighting Plan E1.3 Mezzanine Lighting Plan E1.4 2nd Floor Lighting Plan E1.5 Roof Lighting Plan E1.6 Basement Power Plan E1.7 1st Floor Power Plan E1.8 Mezzanine Power Plan E1.9 2nd Floor Power Plan E1.10 Roof Power Plan E1.11 Basement Special System Plan E1.12 1st Floor Special System Plan E1.13 Mezzanine Special System Plan E1.14 2nd Floor Special System Plan E1.15 Roof Special System Plan E6.1 Electrical Details E6.2 Electrical Schedules E6.3 Electrical Schedules E0.1 Electrical Title Sheet **GENERAL ELECTRICAL DEMOLITION NOTES** REMOVE ALL NM, BX, MC, AC AND OTHER CABLE SYSTEMS AND WIRING FOR ALL ABANDONED CIRCUITS.

REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILINGS, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES AND EQUIPMENT UNLESS NOTED OTHERWISE.

WHERE ABANDONED FEEDERS AND BRANCH CIRCUITS ARE CONCEALED WITHIN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND CAP CONDUITS AT BOTH ENDS. WHERE ABANDONED OUTLET AND JUNCTION BOXES ARE RECESSED FLUSH IN

WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLANK STAINLESS STEEL COVERPLATES FOR BOXES 6"x6" AND SMALLER. REMOVE BOXES LARGER THAN 6"x6" AND PATCH SURFACE TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR FINAL

ALL EQUIPMENT, FIXTURES, RACEWAY, WIRING AND DEVICES WHICH ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE BY THIS CONTRACTOR, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. CONFORM TO ALL LAWS AND ORDINANCES IN EFFECT CONCERNING THE PROPER DISPOSAL OF LUMINAIRES AND LAMPS.

COORDINATE THE REMOVAL OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).

GENERAL ELECTRICAL REMODEL NOTES DESIGN IS BASED ON FIELD INFORMATION, AS-BUILT DRAWINGS AND OWNER FURNISHED INFORMATION. CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING CONDITIONS. IN CASE OF DISCREPANCY, PROVIDE ALL NECESSARY CONDUIT, WIRE, BOXES, FITTINGS, ETC. FOR A COMPLETE OPERATING ELECTRICAL

EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING, ETC., NOT DISTURBED BY NEW CONSTRUCTION WORK SHALL BE MAINTAINED AND UNDAMAGED. THESE ITEMS, IF SHOWN, ARE SHOWN FOR INFORMATION. PURPOSES ONLY UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND TO BECOME FAMILIAR WITH ALL WORK TO BE PERFORMED. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR OF THE RESPONSIBILITY FOR PERFORMING ALL WORK NECESSARY TO PROVIDE A WORKMANLIKE INSTALLATION.

FIELD VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND PROVIDE PROTECTION FOR THESE UTILITIES DURING THE COURSE OF WORK. EXISTING UTILITIES, BUILDING MATERIALS AND ASSOCIATED ITEMS DAMAGED BY THIS CONTRACTOR, OR ANY PARTIES ASSOCIATED WITH THIS CONTRACTOR, SHALL BE REPAIRED OR REPLACED AT THIS CONTRACTOR'S EXPENSE, IN A TIMELY MANNER, AND TO THE OWNER'S WRITTEN ACCEPTANCE.

THERE SHALL NOT BE ANY INTERRUPTION TO EXISTING SERVICES (ELECTRICAL, FIRE ALARM, TELEPHONE, ETC.) WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER, ARCHITECT, AND ALL OTHER PARTIES INVOLVED.

MAINTAIN ACCURATE RECORDS OF ALL MODIFICATIONS TO THE EXISTING SYSTEMS WHICH ARE TO REMAIN AND DELIVER ALL RECORD DRAWINGS INDICATING SUCH MODIFICATIONS TO THE OWNER UPON COMPLETION OF THE PROJECT. MAINTAIN IN THE PROJECT CONSTRUCTION OFFICE, AS THE WORK PROGRESSES, AN UP-TO-DATE, NEATLY MARKED COPY OF THESE DRAWINGS FOR REVIEW BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.

WHERE NEW ADDITION WORK OR REMODELING INTERFERES WITH CIRCUITS IN ROOMS OTHERWISE UNDISTURBED, EXISTING CIRCUITS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SERVICE. EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE UTILIZED FOR NEW DEVICES IF

THEY ARE OF PROPER SIZE AND MATERIAL, AND ARE IN SUITABLE LOCATIONS. HOWEVER, NEW DEVICES AND WIRING MUST BE INSTALLED. WHERE EXISTING EQUIPMENT IS BEING REPLACED WITH NEW EQUIPMENT OR RELOCATED EQUIPMENT, ELECTRICAL CONTRACTOR MAY REUSE THE EXISTING CONDUIT AND ROUGH-IN LOCATIONS IF POSSIBLE, BUT ALL CONDUCTORS SHALL

CIRCUITING SHOWN IN REMODELED AREAS MAY BE MODIFIED TO SUIT FIELD CONDITIONS. HOWEVER, KEEP CIRCUITS APPROXIMATELY AS SHOWN ON PLANS TO AVOID OVERLOADING OF CIRCUITS AND TO LIMIT VOLTAGE DROP.

MAINTAIN FIRE RATING OF ALL EXISTING WALLS, FLOORS AND CEILING SYSTEMS. NEW DEVICES INSTALLED ON EXISTING WALLS AND CEILINGS IN OCCUPIED SPACES SHALL HAVE WIRING INSTALLED CONCEALED. SURFACE RACEWAY (WIREMOLD) SHALL ONLY BE INSTALLED ON EXISTING WALLS AND HARD CEILINGS WHERE WIRING CANNOT BE INSTALLED CONCEALED (I.E. CONCRETE, BRICK, CMU, ETC). OBTAIN APPROVAL FROM ARCHITECT, ENGINEER, AND OWNER PRIOR TO EACH OCCURRENCE WHERE SURFACE RACEWAY IS INSTALLED. SURFACE RACEWAY SHALL BE STEEL, SINGLE CHANNEL TYPE, IVORY COLORED, COMPLETE WITH ALL ELBOWS, BOXES, SUPPORTS, COVERS, ETC. AS REQUIRED. SURFACE RACEWAY SYSTEMS SHALL BE MANUFACTURED BY WIREMOLD, HUBBELL, OR

MONOSYSTEMS, AND SHALL BE OF TYPES AS FOLLOWS: POWER AND FIRE ALARM: WIREMOLD 500 SERIES COMMUNICATIONS AND A/V: WIREMOLD 2400 SERIES

**GENERAL FIRE ALARM NOTES** FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, INACCESSIBLE, AND WHERE SUBJECT TO PHYSICAL DAMAGE. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.

FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED AND WIRED TO FIRE ALARM CONTROL PANEL BY FIRE ALARM CONTRACTOR. LOCATE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED

BY MECHANICAL CONTRACTOR. AT LOCATION OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS, PROVIDE DUCT OR AREA SMOKE DETECTOR (AS SHOWN ON PLANS) WITHIN 5' OF DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY FOR CONTROL OF 120V POWER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.

IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING SLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (DITEK #DTK-2MHLP48B) FOR EACH MONITORED VALVE. COORDINATE WITH GC AND SITE WORK CONTACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

24-3421 SHEET NO.:

### NOTES BY SYMBOL

INSTALL LUMINAIRE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO PIT LADDER AT 48" ABOVE FLOOR LANDING.



onesGillamRen

101 N. SANTA FE AVE.

REMODEL AND ADDITIONS: PELE'S PLAYGROUND,
APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

EVISIONS:

DATE: 3/20/2025 JOB: 24-3421 SHEET NO.:

E1.1

- 1 LIGHT SWITCH FOR CONTROL OF BASEMENT LIGHTS.
- 2 LIGHT SWITCH FOR CONTROL OF PLAYGROUND LIGHTS. 3 LIGHT SWITCH FOR CONTROL OF HALLWAY 126 AND WALKWAY 121.
- 4 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- INFORMATION. ROUTE CIRCUIT THROUGH CONTACTOR 'C1' IN JANITOR 127.
- PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. SEE DETAIL 2, THIS SHEET FOR MORE INFORMATION.

5 EXTERIOR LIGHTING CONTROLS. SEE DETAIL 2, THIS SHEET FOR MORE

INSTALL FIXTURE ABOVE INTERMEDIATE LANDING OF STAIR S4. PROVIDE JUNCTION BOX AND 120V CIRCUIT ABOVE CEILING FOR FUTURE EXTERIOR BUILDING SIGN. ROUTE CIRCUIT THROUGH CONTACTOR 'C2'. SEE DETAIL 2, SHEET E1.2.

**NOTES BY SYMBOL** 

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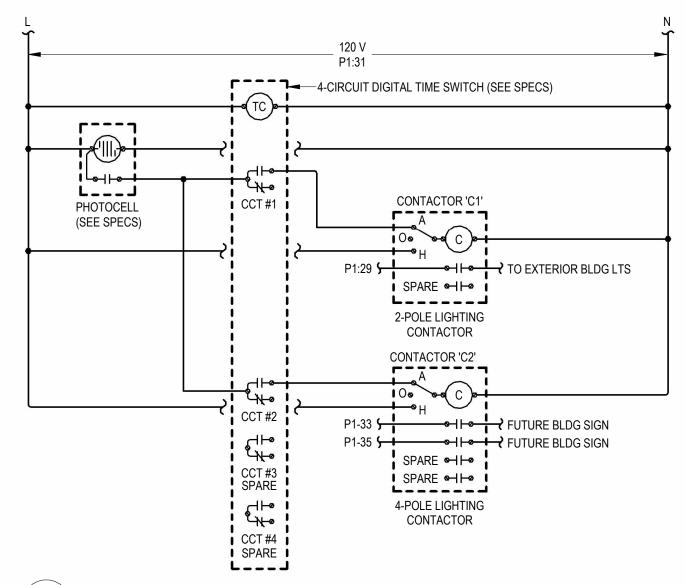
KANSAS

E'S PLAYGROUND, TOP BAR AVE PELE'S ROOF 빞 4 101 N. SANT

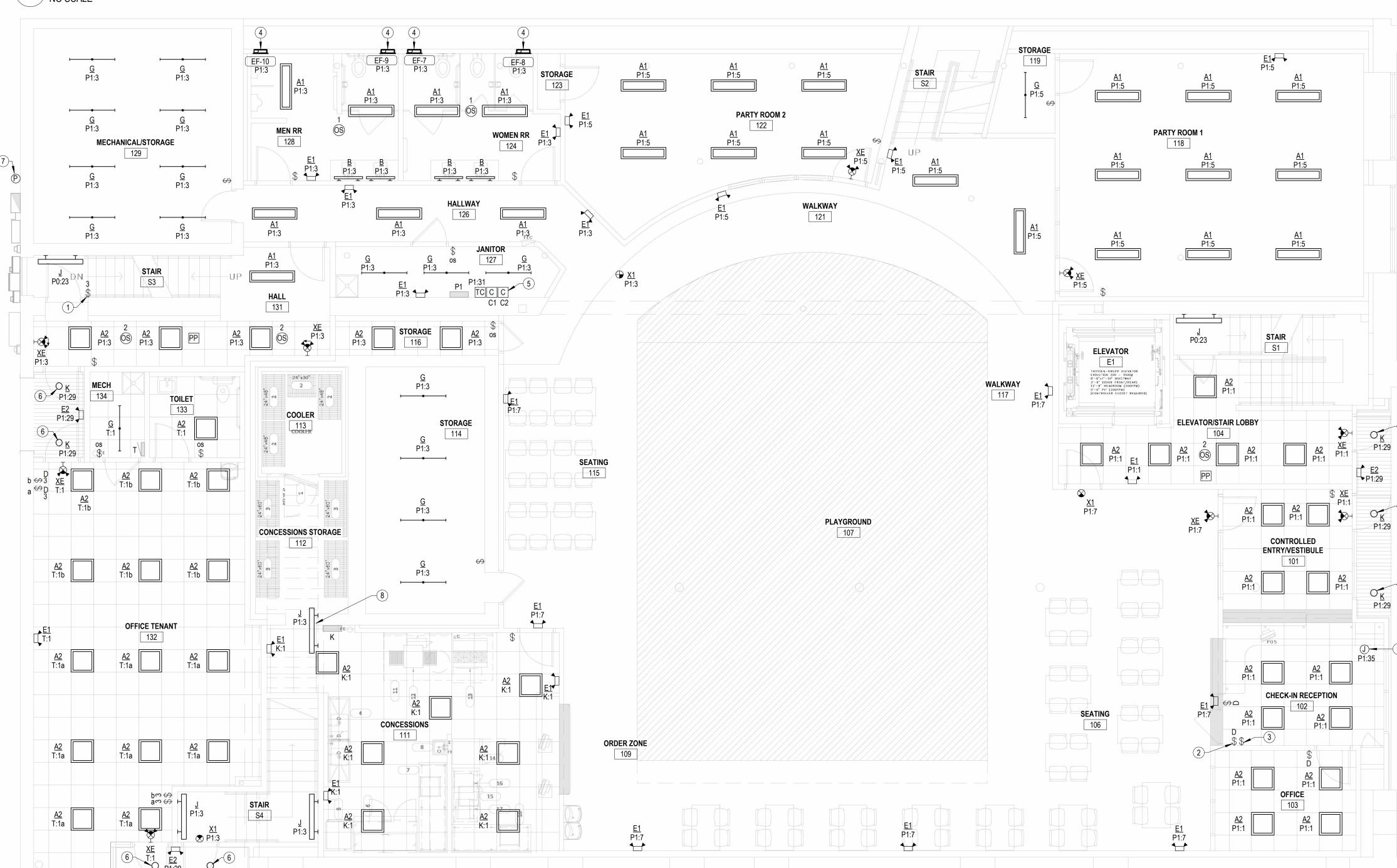
3/20/2025 24-3421

SHEET NO.:

E1.2

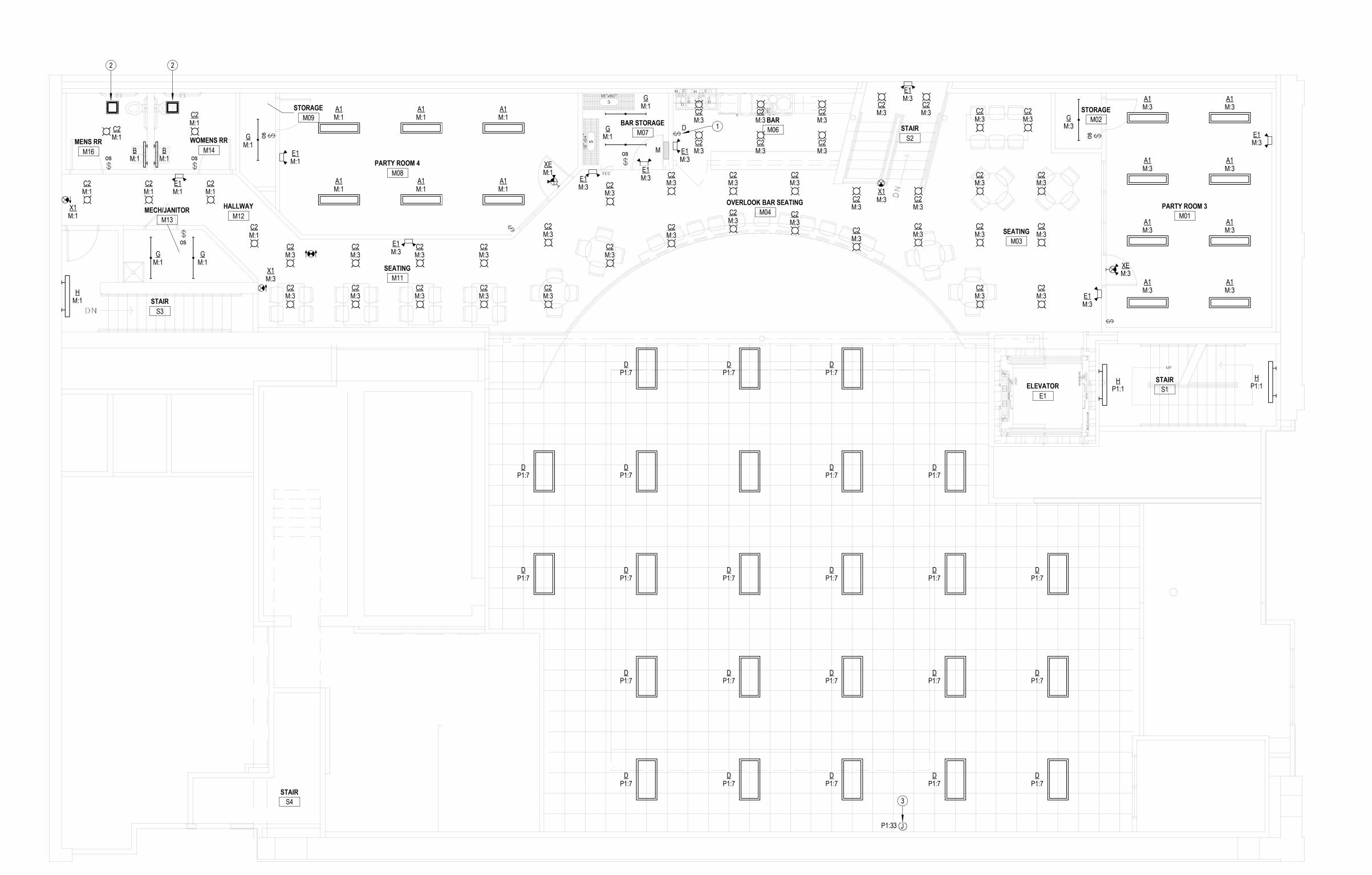


2 EXTERIOR LIGHTING CONTROL DIAGRAM E1.2 NO SCALE



### NOTES BY SYMBOL

- 1 LIGHT SWITCH FOR CONTROL OF MEZZANINE STAIR, HALLWAY, SEATING, AND BAR LIGHTING.
- 2 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- PROVIDE JUNCTION BOX AND 120V CIRCUIT ABOVE CEILING FOR FUTURE EXTERIOR BUILDING SIGN. ROUTE CIRCUIT THROUGH CONTACTOR 'C2'. SEE DETAIL 2, SHEET E1.2.



JonesGillamRen

KANSAS

AVE. 101 N. SANTA FE

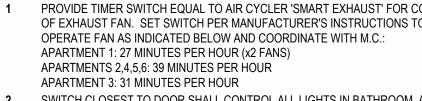
REMODEL AND ADDITIONS: PELE'S PLAYGROUND

SALINA,

3/20/2025 24-3421 SHEET NO .:

#### **NOTES BY SYMBOL**

- PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW AND COORDINATE WITH M.C.: APARTMENT 1: 27 MINUTES PER HOUR (x2 FANS) APARTMENTS 2,4,5,6: 39 MINUTES PER HOUR
- SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE



OTHER SWITCH SHALL CONTROL THE EXHAUST FAN. SWITCH CEILING FAN AND LIGHT SEPARATELY.

4 CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.

sGillamR

AVE 101 N. SANTA FE

REMODEL AND ADDITIONS: PELE'S PLAYGROUND

APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

3/20/2025

JOB: SHEET NO.:

E1.4

24-3421

☐ <u>C2</u> A6:15b ◯ <u>C2</u> A6:15b APARTMENT 5 226 C2 A5:15a A5:15b C E1 P2:3 HALLWAY STAIR S1 ∑ <u>C2</u> P2:3 C2 P2:3 □ <u>C2</u> P2:3 ∑ <u>C2</u> P2:3 □ <u>C2</u> P2:3 <u>X2</u> P2:3 ELEVATOR E1 C2 A4:15a <u>C2</u> A4:15a MENS RR <u>E1</u> ↑ P2:3 P2:3 X1 P2:3 ☐ <u>C2</u> P2:3 3a <u>C2</u> A3:15a C2 A2:15b A2:15b STAIR S4 ◯ <u>C2</u> A4:15b P2:3 ☐ <u>C2</u> A3:15a <u>C2</u> ◯ A2:15a <u>C2</u> A2:15b ∑ <u>C2</u> A4:15b <u>C2</u> A2:15a ◯ C2 A2:15c C a3 b3 <u>C2</u> A2:15c ↔ 3 b ↔ 3 □ A4:15 EF-14 A3:23 C2 A1:21 C2 A1:21 ☐ <u>C2</u> A1:15 C2 A1:25 C2 A2:15 ∑ <u>C2</u> A1:15 O <u>C2</u> A3:21 C2 A3:21 a3 3b \$\$ C2 A4:23 🂢 E A3:15c A3:15c C2 A1:15a A1:15a

RESIDENT GYM

SGIII

### NOTES BY SYMBOL

- 1 PROVIDE CENTRAL LIGHTING INVERTER TO PROVIDE 12 VAC POWER TO EXTERIOR LUMINAIRES FOR 90 MINUTES UPON LOSS OF NORMAL POWER. INVERTER SHALL BE 120V IN / 120V OUT, WITH 185 VA CAPACITY, AND SHALL BE CAPABLE OF 'NORMALLY ON', 'NORMALLY OFF', OR 'SWITCHED' LOADS AND SHALL BE UL 924 LISTED. INTEGARAL BATTERY SHALL HAVE SELF-DIAGNOSTICS AND COME WITH 3 YEAR FULL AND 7 YEAR PRO-RATED WARRANTY. EQUAL TO BODINE ELI-S-185. WIRE UNIT FOR SWITCHED OPERATION TO ALLOW FOR LUMINAIRE CONTROL VIA SWITCH IN BAR AREA.
- 2 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- 3 EXTERIOR FIXTURES DENOTED WITH (E) SHALL BE CONNECTED TO LIGHTING INVERTER TO ALLOW EMERGENCY OPERATION.
- 4 PROVIDE SWITCHES FOR BAR LIGHTING AND EXTERIOR PATIO LIGHTING.
- 5 INSTALL LUMINAIRE ON WALL OF ELEVATOR HOIST WAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. INSTALL LIGHT SWITCH ADJACENT TO HOISTWAY LADDER AT 48" ABOVE FLOOR LANDING.
- 6 PROVIDE JUNCTION BOX AND 120V CIRCUIT ABOVE CEILING FOR FUTURE EXTERIOR BUILDING SIGN. CONTROL VIA WALL SWITCH AT BAR AREA.
- 7 LIGHT SWITCH FOR CONTROL OF FUTURE BUILDING SIGN CIRCUIT.

AVE 101 N. SANT

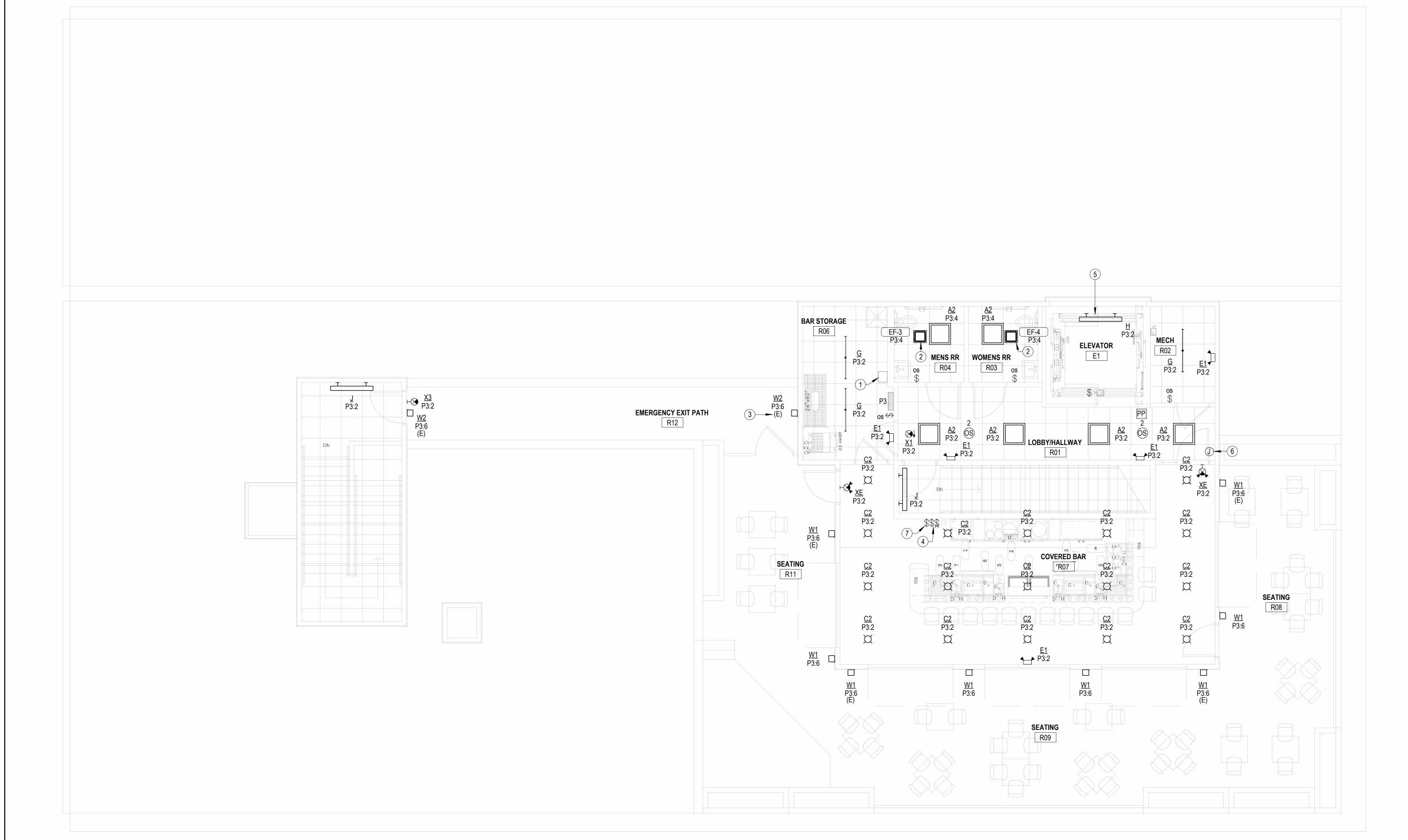
REMODEL AND ADDITIONS
APARTMENTS AND

S PLAYGROUND, FOP BAR

PELE'S

24-3421 SHEET NO.:

E1.5



KANSAS

3/20/2025 24-3421 SHEET NO.:

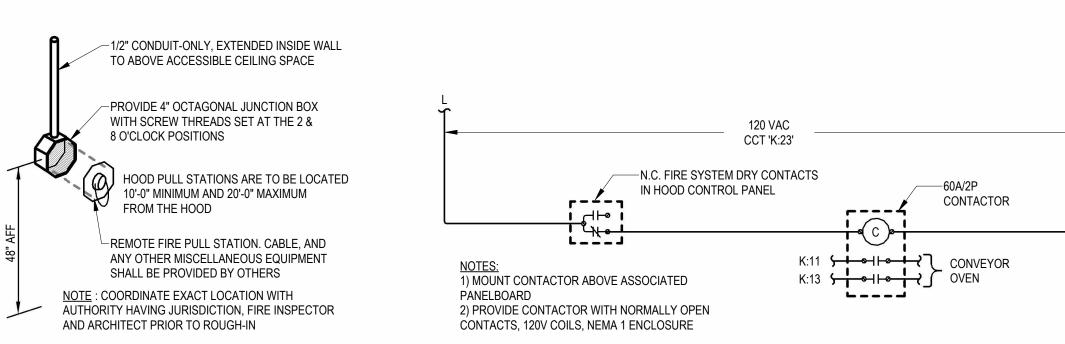
E1.6



1 BASEMENT POWER PLAN
E1.6 3/16" = 1'-0"

## **NOTES BY SYMBOL**

- 1 INSTALL RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 2 SIMPLEX RECEPTACLE IN ELEVATOR PIT FOR ELEVATOR SUMP PUMP. COORDINATE EXACT MOUNTING LOCATION WITH PLUMBING CONTRACTOR AND ELEVATOR EQUIPMENT INSTALLER.
- PROVIDE 120V POWER CONNECTION TO ELEVATOR SUMP PUMP ALARM PANEL AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
- 4 PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 5 PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 6 PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 7 120V POWER FOR FIRE SPRINKLER SYSTEM FLOW SWITCH(ES) AND BELL. PROVIDE #8 CU BONDING JUMPER FROM CIRCUIT EQUIPMENT GROUNDING CONDUCTOR TO METAL SPRINKLER SYSTEM PIPING AT AN ACCESSIBLE LOCATION PER NEC 250.104(B). COORDINATE WORK WITH FIRE SPRINKLER SYSTEM INSTALLER.



3 HOOD EQUIPMENT SHUT-DOWN E1.7 NO SCALE

HOOD FIRE PULL STATION



#### **NOTES BY SYMBOL**

- PROVIDE 20A/1P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
- ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT. COORDINATE EXACT MOUNTING LOCATION OF DRINKING FOUNTAIN RECEPTACLE
- WITH PLUMBING CONTRACTOR. WIRE FROM LOAD SIDE OF ADJACENT GFI RECEPTACLE TO PROVIDE GFI PROTECTION FOR DRINKING FOUNTAIN RECEPTACLE.
- KITCHEN EQUIPMENT TAG. REFERENCE FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
- ROUTE CIRCUIT THROUGH CONTACTOR FOR SHUT-DOWN BY HOOD CONTROL PANEL. SEE DETAIL 3:E1.7.
- NATURAL GAS SOLENOID VALVE FOR EQUIPMENT UNDER HOOD. CONNECT TO HOOD CONTROL PANEL.
- HOOD CONTROL PANEL FURNISHED WITH HOOD. PROVIDE ALL FIELD WIRING CONNECTIONS TO HOOD LIGHTS, GAS SOLENOID, FIRE SUPPRESSION SYSTEM CABINET, HOOD FAN AND LIGHT SWITCHES, HOOD TEMP SENSOR, EXHAUST FAN CONTROL, MAKE-UP AIR UNIT CONTROL, AND EQUIPMENT SHUT-DOWN CONTACTORS. VERIFY REQUIREMENTS WITH HOOD INSTALLER. SEE SHEET M5.2
- FOR MORE INFORMATION. 10 PROVIDE ROUGH-IN FOR HOOD FIRE SUPPRESSION PULL STATION, SEE DETAIL 2:E1.7.
- TELECOMMUNICATIONS GROUND BAR SHALL BE 13-1/4"W x 2"H x 1/4" THICK ELECTRO-TIN PLATED COPPER BUS BAR, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS, ERICO #TGBA14L06PT OR EQUAL. MOUNT AT 18" AFF. PROVIDE #6 GROUND TO GROUND BUS OF PANEL 'P1'. ALL CONNECTIONS TO GROUND BAR SHALL BE MADE USING COMPRESSION TYPE LUGS.

SGIII

AVE

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101 N. SANT

24-3421 SHEET NO.:

E1.7

NOTES BY SYMBOL

Jone
730 N. Ninth
Salina, KS 6
785.827.0386

sGillamRen

KANSAS KANSAS

101 N. SANTA FE AVE.

REMODEL AND ADDITIONS: PELE'S PLAYGROUND,
APARTMENTS AND ROOF TOP BAR

SALINA,

SIONS:

DATE: 3/20/2025

JOB: 24-3421

SHEET NO.:

E1.8

STAIR S2 STORAGE **WOMENS RR** M:13 👄 PARTY ROOM 4 M:9 ⇒ **⇔** M:11 OVERLOOK BAR SEATING PARTY ROOM 3
M01 M:12 M12 SEATING M03 MECH/JANITOR M:7 <del>←</del> STAIR S3 M:10 ≠ ELEVATOR E1 STAIR S4

#### **NOTES BY SYMBOL**

- SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
- PROVIDE 120V CONNECTION TO MICROWAVE ABOVE RANGE. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE
- PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
- PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT. PROVIDE RECEPTACLE ABOVE CEILING FOR CORD AND PLUG CONNECTION OF
- ACCESS PANEL, COORDINATE WITH G.C. AND OTHER TRADES. INDOOR UNIT POWERED FROM OUTDOOR UNIT. PROVIDE 20A-3P MOTOR RATED SNAP SWITCH AND ROUTE (3)#12, #12G., 1/2"C. BETWEEN INDOOR AND OUTDOOR UNIT ON ROOF.

A5:21

DRYER BOOSTER FAN. ENSURE RECEPTACLE IS ACCESSIBLE THROUGH CEILING



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E'S PLAYGROUND, F TOP BAR AVE Η

4

101 N. SANT

PELE" ROOF REMODEL AND ADDITIONS
APARTMENTS AND

KANSAS

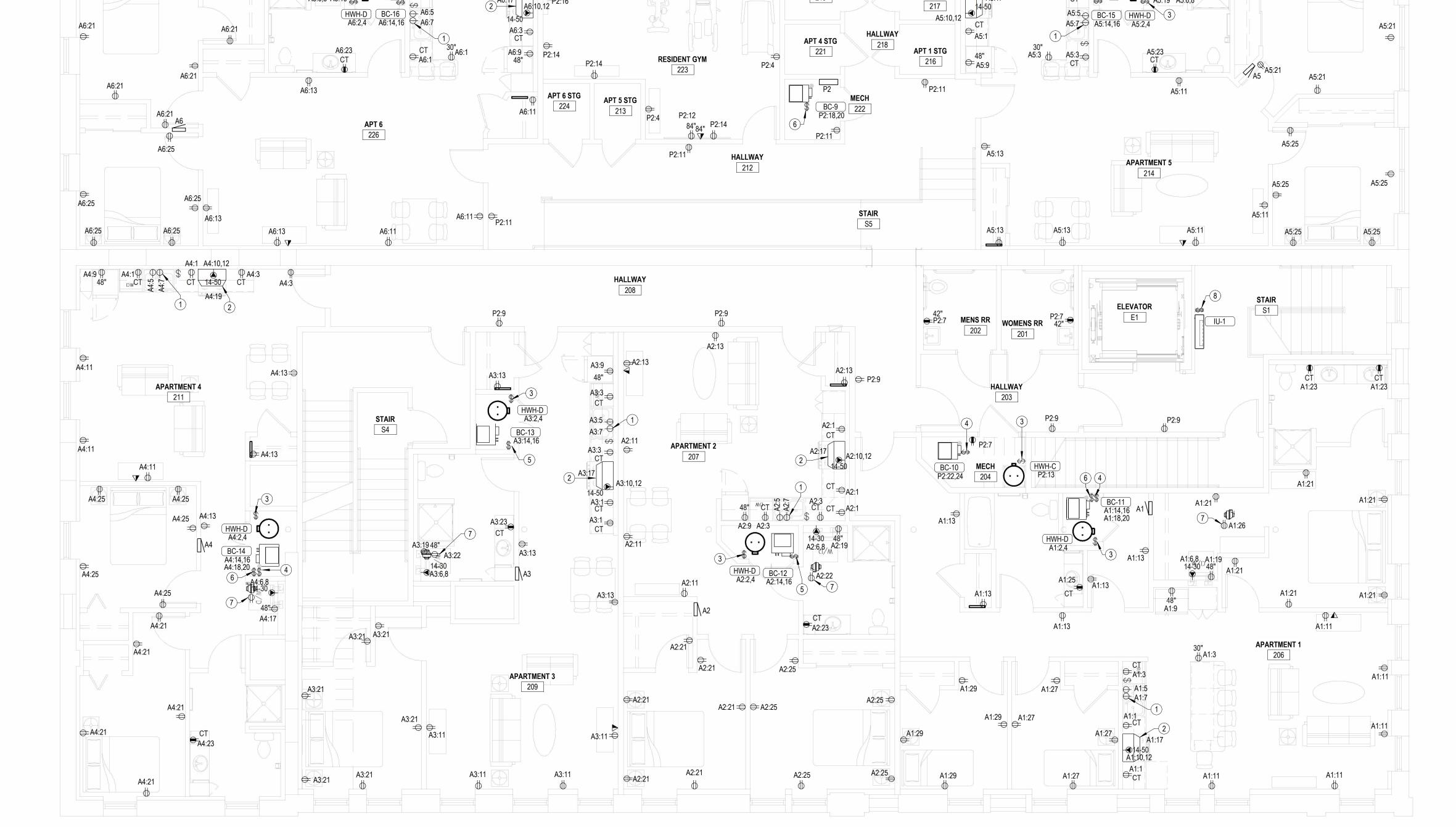
SALINA,

3/20/2025

SHEET NO.:

E1.9

24-3421



P2:6 P2:10 P2:2 P2:8 P2:4

Φ **Δ** Φ Φ Φ 84"

SGIII

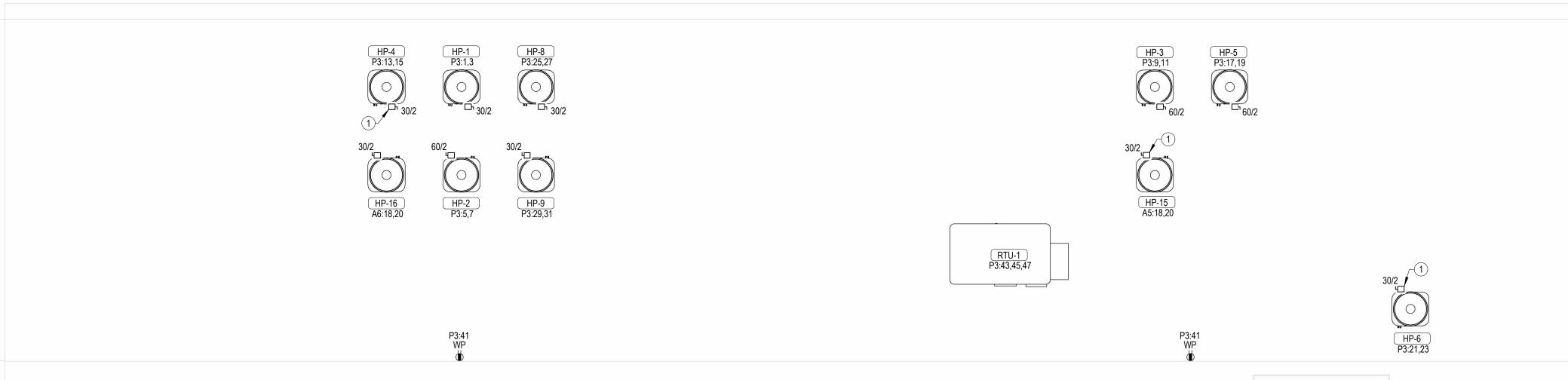
AVE

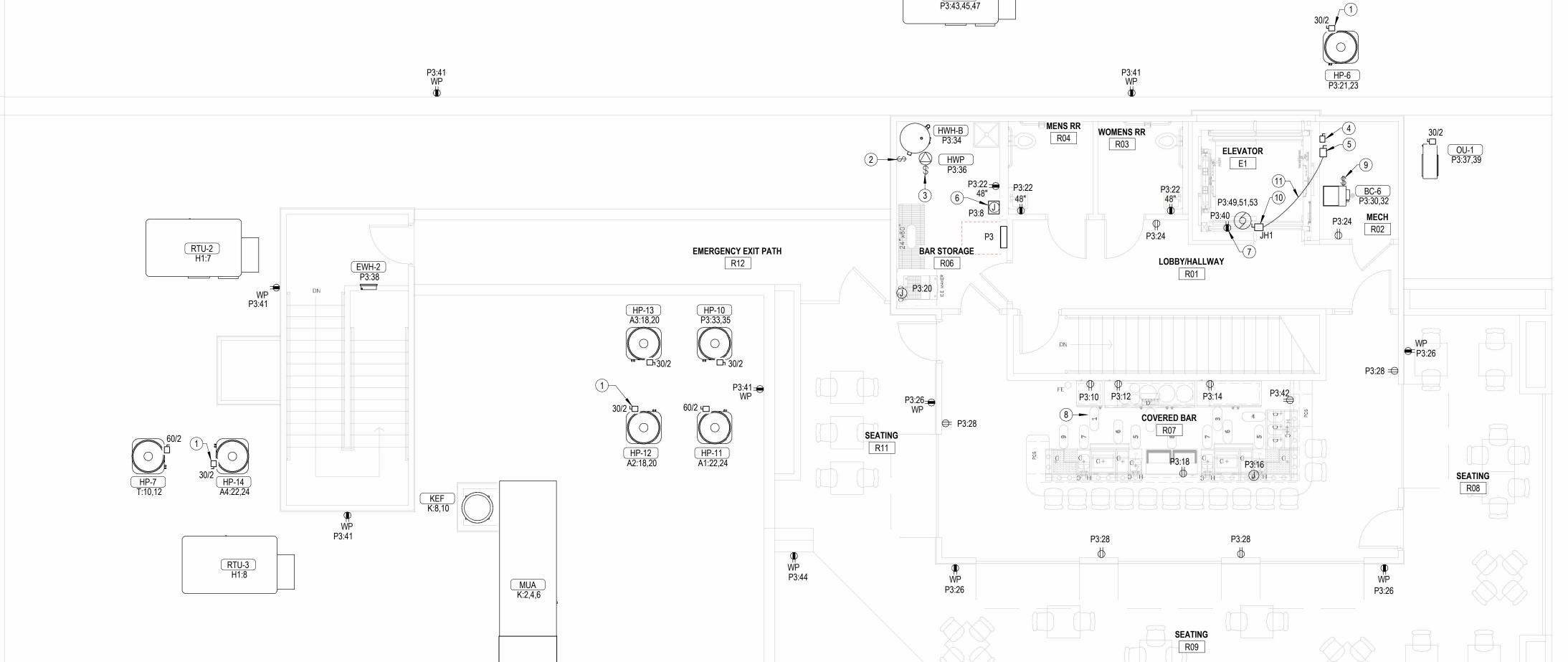
101 N. SANT



### **NOTES BY SYMBOL**

- PROVIDE NON-FUSED DISCONNECT SWITCH, SIZED AS INDICATED ON PLANS, IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT
- PROVIDE 20A/1P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
- ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- 4 30A DISCONNECT SWITCH, LOCKABLE IN "OFF" POSITION, WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CORRESPONDING ELEVATOR CAR NUMBER AND CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
- ELEVATOR POWER MODULE SWITCH: 60A/208V/3P SWITCH COMPLETE WITH 60A DUAL ELEMENT, TIME DELAY CLASS 'J' FUSES, 120V CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST SWITCH, GREEN PILOT LIGHT, AUXILIARY CONTACTS FOR ELEVATOR RECALL, AND FIRE ALARM VOLTAGE MONITORING RELAY. EATON BUSSMAN #PS-6-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER, AND PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
- 6 PROVIDE POWER CONNECTION TO LIGHTING INVERTER.
- INSTALL RECEPTACLE ON WALL OF ELEVATOR HOIST WAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 8 KITCHEN EQUIPMENT TAG. REFERENCE FOOD SERVICE DRAWINGS FOR MORE
- PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 10 60A/3P NON-FUSED DISCONNECT SWITCH (JH1) IN NEMA 1 ENCLOSURE. PROVIDE WITH SPST AUXILIARY CONTACTS RATED FOR MIN. 2A AT 24VDC. MAKE FINAL CONNECTION TO ELEVATOR FUSE BOX. COORDINATE MOUNTING LOCATION AT TOP OF HOISTWAY AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. 3-PHASE POWER FEEDER AND (2) #18 STRANDED CU CONDUCTORS FROM ELEVATOR POWER MODULE SWITCH TO 'JH1' DISCONNECT SWITCH.





ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2, SHEET E1.15.

AVE. 101 N. SANTA FE

REMODEL AND ADDITIONS: PELE'S PLAYGROUND, A APARTMENTS AND ROOF TOP BAR

KANSAS

SALINA,

3/20/2025 24-3421

SHEET NO.:

E1.11



SGIII

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101 N. SANT

3/20/2025 24-3421

SHEET NO.:

E1.12



PARTY ROOM 1 118

STAIR S1

ELEVATOR/STAIR LOBBY

FAA F

CONTROLLED ENTRY/VESTIBULE

OFFICE 103

ELEVATOR

E1

THYSSEN-KRUPP ELEVATOR
EVOLUTION 200 - 55000
3'-6' (BOOR FRONT/REAR)
12'-8" HEADROOW (200FPM)
\$[-0" PIT (200FPM)]
[CONTROLLER CLOSET REQUIRED]

**(5)**—(1)

WALKWAY 117

- 1 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2,
- PROVIDE ADDRESSABLE MONITORING MODULE TO MONITOR STATUS OF HOOD FIRE SUPPRESSION SYSTEM. COORDINATE LOCATION AND REQUIREMENTS WITH HOOD INSTALLER.
- PROVIDE (2) CAT 5e UTP, NEC TYPE 'CMP' CABLES (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM FACP TO MAIN TELECOM TERMINAL BOARD FOR CONNECTION TO FA SYSTEM DACT FOR REMOTE MONITORING.
- PROVIDE TELECOMMUNICATIONS TERMINAL BOARD OF WIDTH x HEIGHT NOTED, CONSISTING OF 3/4" ACX FIRE RETARDANT PLYWOOD PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- 5 (2) 2" EMT CONDUITS WITH PULL STRINGS ROUTED OVERHEAD FROM MAIN TÉLECOM BACKBOARD TO ALLEY FOR COMMUNICATIONS ACCESS PROVIDER SERVICE CABLING. TERMINATE AT EXTERIOR ALLEY WALL WITH WEATHERHEADS OR NEMA 3R ENCLOSURE. PROVIDE PULL STRING IN EACH RACEWAY. SEAL PENETRATIONS THROUGH EXTERIOR WALL WEATHERTIGHT.
- (1) 2" EMT CONDUIT WITH PULL STRING CONCEALED ABOVE CEILING FROM MAIN TÉLECOM BOARD IN JANITOR 127 TO TENANT TELECOM BOARD IN MECH 134 FOR COMMUNICATIONS SERVICE CABLING.

STORAGE STORAGE MECHANICAL/STORAGE 129

PARTY ROOM 2

WALKWAY

121

PLAYGROUND
107

128 HALLWAY 126 4) 8'x8' **JANITOR** 127 FACP

STORAGE 116 **MECH** 134 TOILET 133 (**5**) (4) - 2'x4'

STORAGE 114 SEATING 115 **CONCESSIONS STORAGE** 112

STAIR
S4
15cd

CONCESSIONS

ORDER ZONE

**WOMEN RR** 

SEATING 108

1 1ST FLOOR SPECIAL SYSTEMS PLAN E1.12 3/16" = 1'-0"

75cd
OFFICE TENANT

sGillamRen

KANSAS

ATE: 3/20/2025 B: 24-3421

DATE: 3/2 JOB: 2 SHEET NO.:

E1.13

STAIR S2 STORAGE **WOMENS RR MENS RR** STORAGE M02 PARTY ROOM 4 BAR STORAGE OVERLOOK BAR SEATING M12 SEATING M03 PARTY ROOM 3
M01 MECH/JANITOR SEATING M11 STAIR S3 STAIR S1 ELEVATOR E1 **(S**) **(S**) 75cd **(S)** 75cd **(5)** STAIR S4

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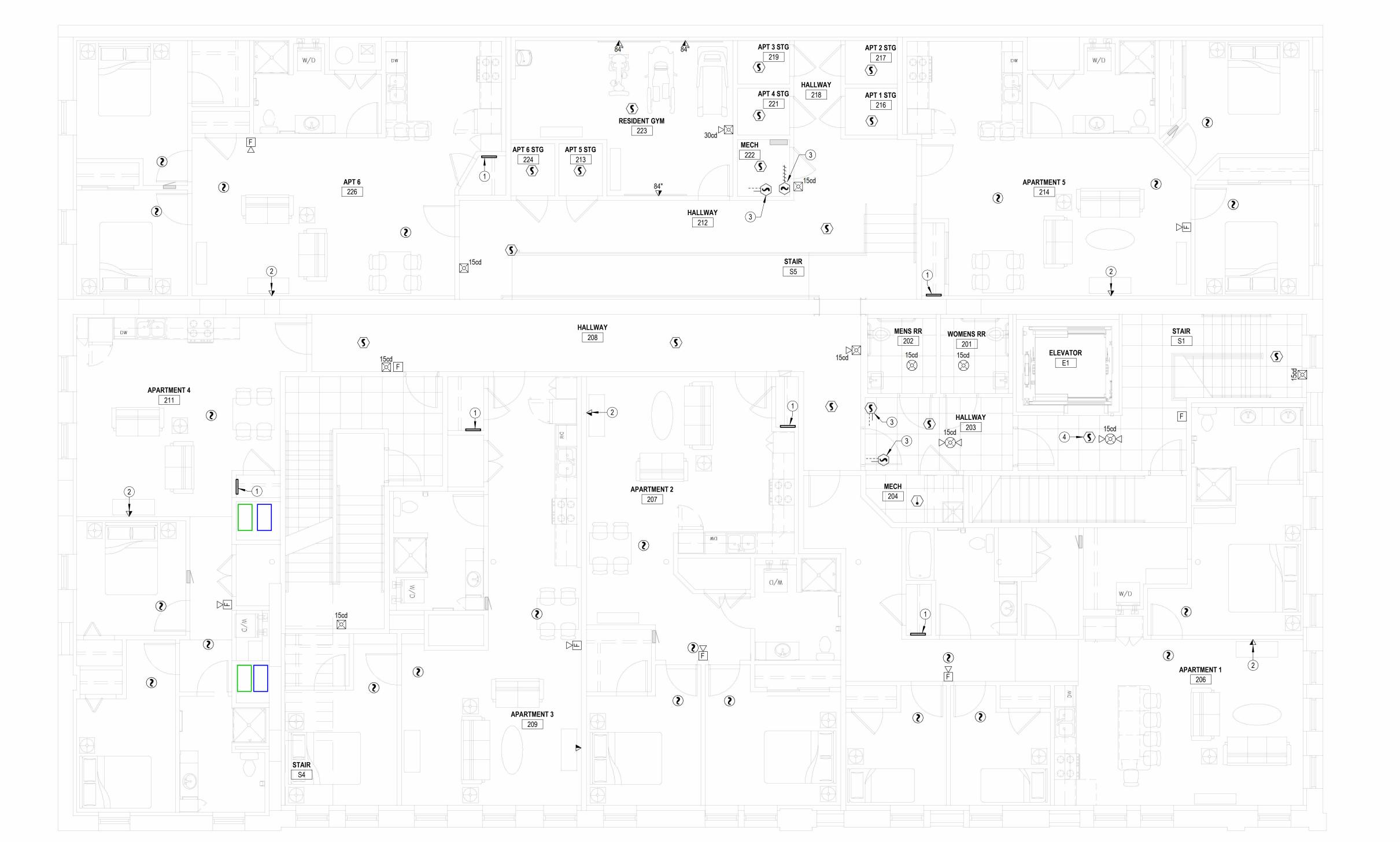
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E1.14



### NOTES BY SYMBOL

- PROVIDE FLUSH MOUNTED TELECOM DISTRIBUTION DEVICE AT APPROXIMATELY 4'-0" AFF. COORDINATE EXACT SIZE AND REQUIREMENTS WITH COMMUNICATIONS UTILITY PROVIDER SELECTED BY OWNER. PROVIDE 1-1/2" CONDUIT WITH (1) CAT6 UTP CABLE AND (1) RG6 COAX CABLE FROM DISTRIBUTION DEVICE TO MAIN TELECOM BOARD IN ROOM 127.
- COORDINATE FINAL LOCATIONS OF ALL TELECOM OUTLETS WITH OWNER. PROVIDE (1) CAT 6 UTP AND (1) RG6 COAX CABLE HOMERUN FROM EACH OUTLET TO APARTMENT UNIT'S TELECOM DISTRIBUTION DEVICE.
- 3 PROVIDE DUCT SMOKE DETECTOR WITHIN 5' OF SMOKE DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY FOR CONTROL OF 120V POWER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION
- 4 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2, SHEET E1.15.



POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 2, SHEET E1.15.

4 SUPPLY AND RETURN AIR DUCT SMOKE DETECTORS FOR HVAC EQUIPMENT FURNISHED AND WIRED TO FACP BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. PROVIDE ADDRESSABLE FIRE ALARM RELAY WITHIN 5' OF EQUIPMENT FOR SHUT-DOWN OF HVAC UNIT UPON DETECTION OF SMOKE.

PROVIDE 4-PAIR, CAT5e UTP, NEC TYPE 'CMP' CABLE (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM TOP OF ELEVATOR CONTROLLER TO TELECOM TERMINAL BOARD IN JANITOR 127 FOR EMERGENCY ELEVATOR CAB TELEPHONE.

CONTROL WIRING TO ELEVATOR LOGIC CONTROLLER THREE ADDRESSABLE FIRE ALARM RELAY NOTE: HEAT DETECTORS IN MODULES FOR PRIMARY HOISTWAY SHALL BE SENSITIVE, RECALL, ALTERNATE RECALL 135° F FIXED TEMPERATURE, WITH AND FIREMAN'S HAT -A LISTED SPACING OF 40' ON CENTER OR GREATER. LOCATE TO ELEVATOR LOBBY HEAT DETECTORS WITHIN 24" OF AND HOISTWAY SMOKE SPRINKLER HEADS. AND HEAT DETECTORS + FACP SIGNALING ADDRESSABLE FIRE ALARM LINE CIRCUIT MONITOR MODULE TO MONITOR ADDRESSABLE FIRE SHUNT-TRIP VOLTAGE ALARM RELAY MODULE FOR SHUNT-TRIP —CLASS 'B' INITIATING DEVICE OPERATION — CIRCUIT WITH E-O-L RESISTER CONTROL WIRING FOR SHUNT-TRIP OPERATION --ELEVATOR POWER MODULE SWITCH WITH SHUNT-TRIP COIL, INTERNAL FA SHUNT TRIP VOLTAGE MONITORING RELAY AND AUX CONTACTS AS NOTED ON PLANS MAIN LINE POWER FEEDER **INCOMING 3-PHASE** TO ELEVATOR CONTROLLER ELEVATOR POWER ( CONTROL WIRING TO ELEVATOR **-**----

ELEVATOR RECALL AND SHUT-DOWN SEQUENCE OF OPERATION:

SEATING

R08

**WOMENS RR** 

MENS RR R04

15cd **S**ON

BAR STORAGE

15cd 🖂

SEATING

R11

**EMERGENCY EXIT PATH** 

R12

UPON SENSING SMOKE FROM ONE OR MORE ELEVATOR LOBBY OR HOISTWAY, THE SMOKE DETECTOR SHALL SIGNAL THE FIRE ALARM CONTROL PANEL, WHICH WILL FORWARD THE SIGNAL TO THE ELEVATOR LOGIC CONTROLLER VIA ADDRESSABLE RELAY MODULES TO RECALL ELEVATOR CAB TO THE PRIMARY RECALL FLOOR. CONTROLLER WILL SEND THE ELEVATOR CAB TO THE NEXT FLOOR CLEAR OF SMOKE. ONCE THE ELEVATOR CAB HAS REACHED THE DESIGNATED FLOOR, THE ELEVATOR CAB DOORS WILL OPEN AND THE CONTROLLER WILL LOCK THE ELEVATOR CAB AT THAT FLOOR, DISABLING THE ELEVATOR CAB CONTROLS, UNLESS A FIREMAN'S KEY IS USED TO OVERRIDE AUTOMATIC CONTROLS.

LOGIC CONTROLLER

2. ALL SMOKE DETECTORS ASSOCIATED WITH ELEVATOR RECALL (LOBBY AND HOISTWAY) SHALL TRANSMIT A SEPARATE AND DISTINCT VISIBLE ANNUNCIATION AT THE FIRE ALARM CONTROL PANEL.

3. UPON SENSING A HEAT ALARM CONDITION IN THE ELEVATOR HOISTWAY, THE HEAT DETECTOR SHALL SIGNAL THE FIRE ALARM CONTROL PANEL, WHICH WILL FORWARD THE SIGNAL TO THE ADDRESSABLE RELAY MODULE TO ACTIVATE THE SHUNT-TRIP SWITCH POWERING THE ELEVATOR SO AS TO DISCONNECT POWER TO THAT CIRCUIT. THIS IS TO BE A NON-AUTO RESET SWITCH. WHEN THE SPRINKLER HEAD HAS REACHED ITS CRITICAL TEMPERATURE OF 165° F., THE HEAD WILL BEGIN DISCHARGE OF WATER.



1 SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOIST WAY FOR 2 ADDRESSABLE FIRE ALARM RELAYS FOR ELEVATOR RECALL, FIREMAN'S HAT, AND

SMOKE AND HEAT DETECTORS FOR ELEVATOR RECALL AND SHUT-DOWN. SEE DETAIL 2, SHEET E1.15.

ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2,

AVE

SANT, Ż 101

SGIII

REMODEL AND ADDITIONS
APARTMENTS AND

KANSAS

S PLAYGROUND, TOP BAR

PELE'R

E1.15

1 ROOF SPECIAL SYSTEMS PLAN E1.15 3/16" = 1'-0"

RTU-2

RTU-3

<u>24-3421</u> **@** SHEET NO .:

PROVIDE SIGNAGE AT

DISCONNECT SWITCH

TO READ "SERVICE DISCONNECT 1 OF 2"

-3-SOCKET BRANCH UNIT, 1Φ IN - 1Φ OUT, 800A HORIZONTAL CROSS

BUS, WITH 2-POLE BRANCH BREAKERS OF AMP TRIP AS SHOWN. METER SOCKETS SHALL BE 225A RATED, RINGLESS TYPE, 5-JAW

WITH HORN BYPASS. SQUARE D 'EZ METER-PAK' #EZMH113225

-#2/0 CU GROUNDING ELECTRODE

CONDUCTOR BONDED TO UNDERGROUND METAL WATER

PIPE AND 3/4" x 10'L CU CLAD STEEL GROUND ROD

→ (2) EXISTING CONDUITS

WITH SERVICE LATERAL

CABLING FROM UTILITY

TRANSFORMER TO REMAIN

FINISHED GRADE

CLASS 'L' FUSES IN NEMA 3R

**ENCLOSURE** 

PROVIDE SIGNAGE AT

DISCONNECT SWITCH TO READ

"SERVICE DISCONNECT 2 OF 2"

#2/0 CU GROUNDING ELECTRODE

UNDERGROUND METAL WATER

PIPE AND 3/4" x 10'L CU CLAD

CONDUCTOR BONDED TO

STEEL GROUND ROD —

FINISHED GRADE

1 POWER SERVICE RISER DIAGRAM NO SCALE

EQUAL BY ERICKSON

-(2) PARALLEL 4" RMC,

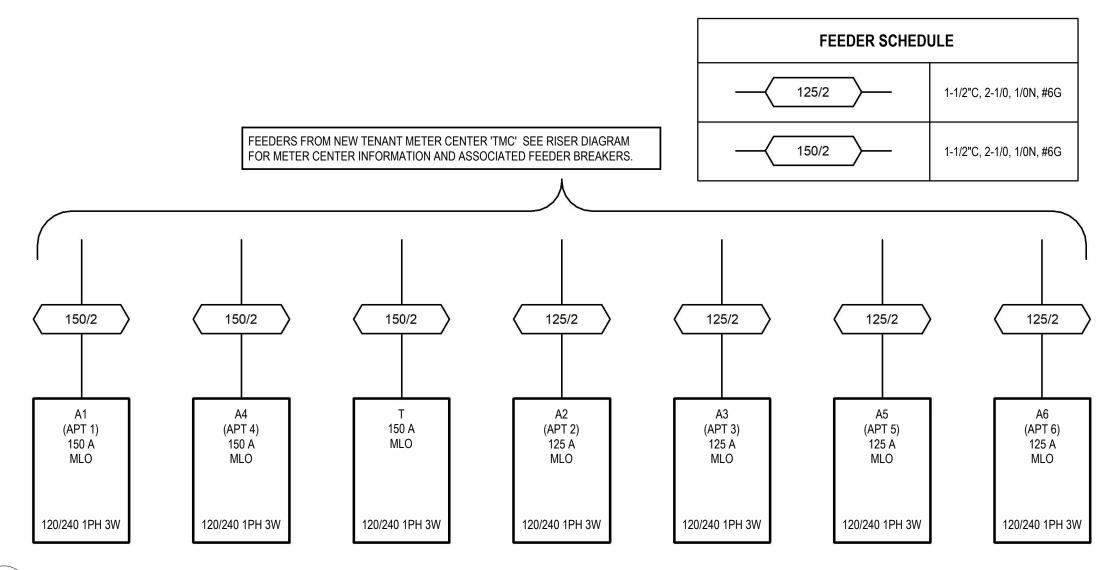
STEEL GROUND ROD -

EACH WITH 4-#350 kcmil

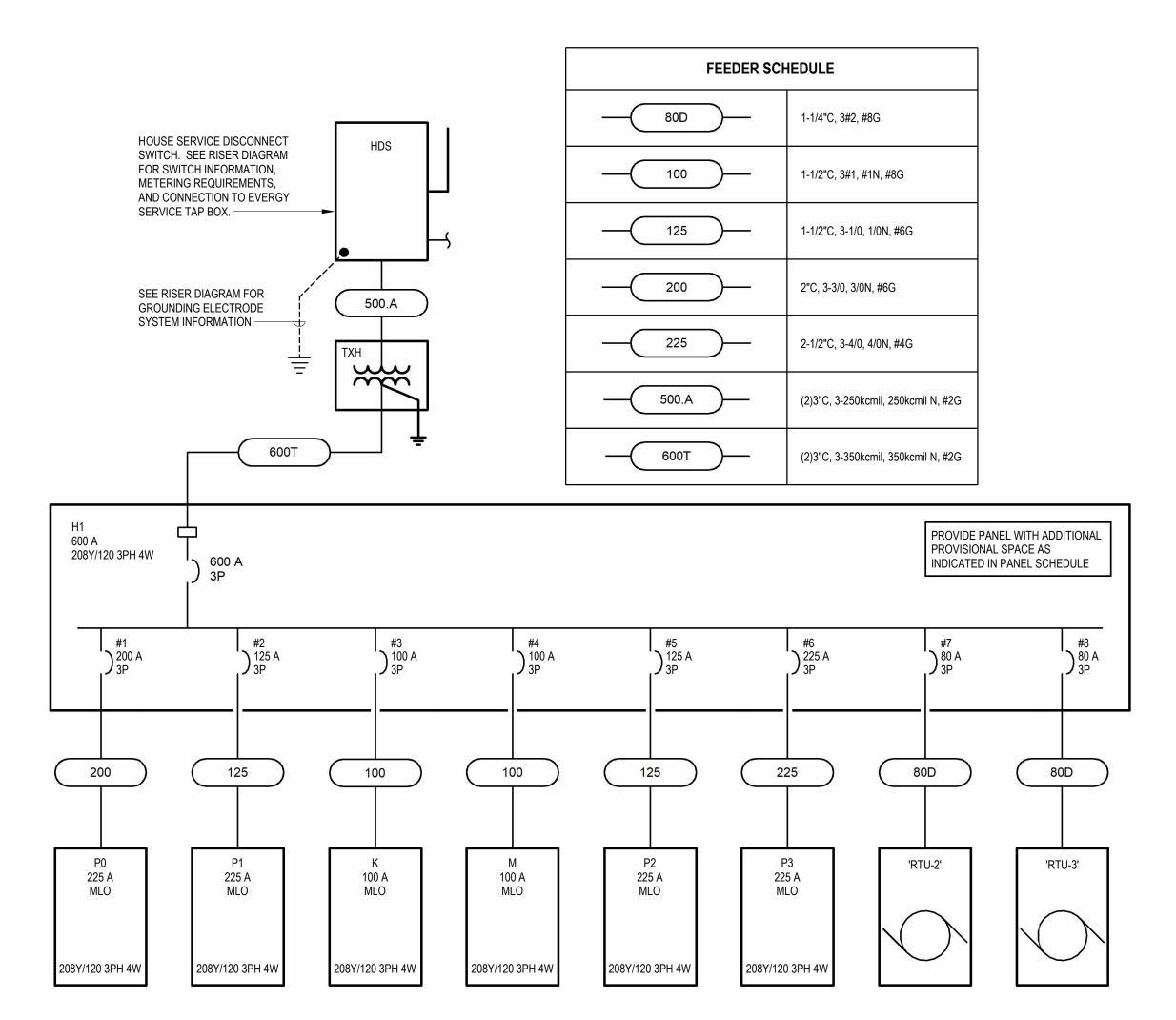
#6 SOLID BARE COPPER GROUND

WIRE TO 5/8" Ø x 8'L CU-CLAD

#12 SAFETY WIRES TIED TO SAFETY WIRE



ONE-LINE DIAGRAM - METER CENTER



ONE-LINE DIAGRAM - HOUSE SERVICE

E6.1 NO SCALE

AVE

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1

SANT,

Z

101

SGIII

KANSAS

S PLAYGROUND, TOP BAR

PELE'R

SALINA,

EVISIONS:

24-3421 SHEET NO.:

**E6.1** 

SCCR/AIC: 10.0 kA

Voltage: 208 V, 3 Ø, 4 W Bus Rating: 600 A Neutral: 100% Mains Type: MCB Mains Rating: 600 A Mains FN/Note: -SCCR: 10 kA

Designation: P3

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
H1:1	PANEL 'P0'	225	200	3		56422
H1:2	PANEL 'P1'	225	125	3		22499
H1:3	PANEL 'K'	100	100	3		24606
H1:4	PANEL 'M'	100	100	3		6504
H1:5	PANEL 'P2'	225	125	3		19859
H1:6	PANEL 'P3'	225	225	3		73048
H1:7	RTU-2	80	80	3	HR	16338
H1:8	RTU-3	80	80	3	HR	20520
H1:9	225A PROVISIONAL SPACE			1		
H1:10	225A PROVISIONAL SPACE			1		
H1:11	100A PROVISIONAL SPACE			1		
H1:12	100A PROVISIONAL SPACE			1		

	Breaker Function Schedule
#	For any number, see panel schedule footer note
Α	Arc-Fault Interrupter (AFCI) Protection
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) and Ground-Fault Circuit Interrupter, 5mA, (GFCI) Protectio
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
Н	Breaker hasp to prevent unintentional opening
HR	'HACR' rated breaker.
L	Lockable open according to NEC 110.25
S	Switch-rated per NEC 240.83(D)

	Installed Location: Voltage: 208Y/120 3PH 4W Mounting: Surface Enclosure: NEMA 1			M	CB A eatu	mps: mps: res & ions:	MLO						M	SCCR/AIC: 10.0 kA lains FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		A	В	3	C		FN	Trip (A)	Circuitry	Description	Ckt
K:1	LTG - Kitchen	1/2"C,1#12,#12N,#12G	20		26	27									K:2
K:3	RCPT - POS	1/2"C,1#12,#12N,#12G	20	G			36	27			HR	30	1/2"C,3#10,#10G	Make Up Air Unit - MUA	K:4
K:5	RCPT - Kitchen	1/2"C,1#12,#12N,#12G	20	G					36	27					K:6
K:7	Heated Cabinet - Item 5	1/2"C,1#10,#10N,#10G	30	G	20	91						20	1/2"C,2#12,#12G	Fuhauat Fan I/FF	K:8
K:9	Pizza Prep Refrigerator - Item 6	1/2"C,1#12,#12N,#12G	20	G			54	91				20	1/2 0,2#12,#120	Exhaust Fan - KEF	K:10
K:11	Conveyor Oven - Item 12	1/2"C,2#8,#10G	40	_					32	14	G	20	1/2"C,1#12,#12N,#12G	Kitchen Exhaust Hood Controls	K:12
K:13	Conveyor Oven - Item 12	1/2 0,2#0,#10G	40	G	32	13						20	1/2"C,1#12,#12N,#12G	Walk-In Cooler Refrigeration - Item 1A	K:14
K:15	Refrigerated Merchandiser - Item 14	1/2"C,1#12,#12N,#12G	20	G			24	72				20	1/2"C,1#12,#12N,#12G	Walk-In Cooler Lights and Accessories - Item 1B	K:16
K:17	Popcorn Popper - Item 16	1/2"C,1#12,#12N,#12G	20	G					13	0 VA		20		Spare	K:18
K:19	Hot Dog Steamer - Item 17	1/2"C,1#12,#12N,#12G	20	G	78	0 VA						20		Spare	K:20
K:21	Gas Solenoid Valve	1/2"C,1#12,#12N,#12G	20	G			20							Space	K:22
K:23	Hood Equipment Shutdown	1/2"C,1#12,#12N,#12G	20	G					0 VA					Space	K:24
K:25	Space													Space	K:26
K:27	Space													Space	K:28
K:29	Space													Space	K:30

ır	nstalled Location:  Voltage: 208Y/120 3PH 4W  Mounting: Surface  Enclosure: NEMA 1			M <sup>e</sup>	Bus Amps CB Amps Features & ifications	: MLO					Ма	SCCR/AIC: 10.0 kA ins FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	A	В		С	FN	Trip (A)	Circuitry	Description	Ckt
P3:1	Llook Dumm UID 41	1/0"0 0#10 #100	25	HR	12 73.					20	1/2"C,1#12,#12N,#12G	LTG - Roof Bar/Halls	P3:2
P3:3	Heat Pump - 'HP-1'	1/2"C,2#10,#10G	25	HK		12 13				20	1/2"C,1#12,#12N,#12G	LTG/EXH - RR R03/R04	P3:4
P3:5	Heat Pump - 'HP-2'	1/2"C,2#8,#10G	40	HR			12	27		20	1/2"C,1#12,#12N,#12G	LTG - Exterior Roof	P3:6
P3:7	neat Pullip - nP-2	1/2 C,2#0,#10G	40	пк	12 17.					20	1/2"C,1#12,#12N,#12G	Exterior Lighting Inverter	P3:8
P3:9	Heat Pump - 'HP-3'	3/4"C,2#6,#10G	50	HR		12 20			G	20	1/2"C,1#12,#12N,#12G	Refrigerator - Item 1	P3:10
P3:11	neat rump - nr-3	3/4 C,2#0,#10G	30	ПК			12	32	G	20	1/2"C,1#12,#12N,#12G	Beer Cooler - Item 2	P3:12
23:13	Heat Pump - 'HP-4'	1/2"C,2#10,#10G	30	HR	12 26.				G	20	1/2"C,1#12,#12N,#12G	Refrigerator - Item 3	P3:14
P3:15	neat rump - nr-4	1/2 0,2#10,#109	30	ПК		12 15			G	20	1/2"C,1#12,#12N,#12G	Blender Station - Item 5	P3:16
P3:17	Heat Pump - 'HP-5'	1/2"C,2#8,#10G	40	HR			12	18	G	20	1/2"C,1#12,#12N,#12G	Bottle Cooler - Item 8	P3:18
P3:19	neat rulip - Hr-3	1/2 G,2#6,#10G	40	пк	12 21.				G	30	1/2"C,1#10,#10N,#10G	Ice Maker - Item 11	P3:20
23:21	Heat Pump - 'HP-6'	1/2"C,2#10,#10G	25	HR		12 54				20	1/2"C,1#12,#12N,#12G	RCPT - R03-R06 Tlts/Bar Storage	P3:22
P3:23	rieat Fullip - TIF-0	1/2 0,2#10,#109		HIX			12	36		20	1/2"C,1#12,#12N,#12G	RCPT - R01,R02 Hall/Mech	P3:24
23:25	Heat Pump - 'HP-8'	1/2"C,2#10,#10G	25	HR	12 72.					20	1/2"C,1#12,#12N,#12G	RCPT - Roof Patio	P3:26
23:27	rieat Fullip - TIF-0	1/2 0,2#10,#109		HIX		12 72				20	1/2"C,1#12,#12N,#12G	RCPT - Covered Bar	P3:28
23:29	Heat Pump - 'HP-9'	1/2"C,2#10,#10G	25	HR			12	40		50	3/4"C,2#6,#10G	Blower Coil - 'BC-6'	P3:30
23:31	neat rump - nr-9	1/2 0,2#10,#100	25	ПК	12 40.					30	3/4 0,2#0,#100	Electric Heat	P3:32
23:33	Heat Pump - 'HP-10'	1/2"C,2#10,#10G	25	HR		12 18				20	1/2"C,1#12,#12N,#12G	Water Heater - 'HWH-B'	P3:34
23:35	Heat Fullip - HF-10	1/2 0,2#10,#109					12	48		20	1/2"C,1#12,#12N,#12G	Recirculation Pump 'HWP'	P3:36
23:37	Heat Pump - 'OU-1'	1/2"C,2#12,#12G	15	HR	11 15.					20	1/2"C,1#12,#12N,#12G	Electric Wall Heater 'EWH-B' - Stair S4	P3:38
23:39	<u>'</u>	, ,		HIK		11 18				20	1/2"C,1#12,#12N,#12G	RCPT - Elevator Hoistway	P3:40
23:41	RCPT - Rooftop Maintenance	1/2"C,1#12,#12N,#12G	20				90	18	G	20	1/2"C,1#12,#12N,#12G	RCPT - Rooftop Bar P.O.S.	P3:42
23:43					40 36.					20	1/2"C,1#12,#12N,#12G	RCPT - Roof Stage	P3:44
23:45	RTU-1	3/4"C,3#6,#10G	50	HR		40 12				20	1/2"C,1#12,#12N,#12G	LTG - Future Building Sign	P3:46
23:47							40					Space	P3:48
23:49					51							Space	P3:50
P3:51	Elevator	1"C,3#4,#10G	60			51						Space	P3:52
P3:53							51					Space	P3:54
		Con	nected	Load:	27646 V 231 A	188 A	2288	82 VA					

Ins	Stalled Location:  Voltage: 120/240 1PH 3W  Mounting: Surface Enclosure: NEMA 1		MCB.	ures 8	MLO			SCCR/AIC: Mains FN/Note: -					
kt	Description	Circuitry	Trip (A) FN	4	A	В	FN	Trip (A)	Circuitry	Description	Ckt		
1	LTG - Tenant 132	1/2"C,1#12,#12N,#12G	20	604	562			60	3/4"C,2#4,#10G	Blower Coil 'BC-7'	T:2		
3	RCPT - East	1/2"C,1#12,#12N,#12G	20			540 562		00	3/4 C,2#4,#10G	Fan/Electric Heat Circuit 1	T:4		
5	RCPT - SE	1/2"C,1#12,#12N,#12G	20	360	240			25	1/2"C 2#10 #10C	Blower Coil 'BC-7'	T:6		
7	RCPT - Tlt/Jan	1/2"C,1#12,#12N,#12G	20			360 240.		25	1/2"C,2#10,#10G	Electric Heat Circuit 2	T:8		
)	RCPT - West	1/2"C,1#12,#12N,#12G	20	540	141			40	4/01/0 0/40 #400	Heat Down IIID 71	T:10		
1	Electric Water Cooler	1/2"C,1#12,#12N,#12G	20			180 141.	HR	40	1/2"C,2#8,#10G	Heat Pump 'HP-7'	T:12		
3	Water Heater	1/2"C,1#12,#12N,#12G	20	150	0 VA			20		Spare	T:14		
5	RCPT - Show Window	1/2"C,1#12,#12N,#12G	20			140 500	Н	20	1/2"C,1#12,#12N,#12G	RCPT - Telecom Board	T:16		
17	Spare		20	0 VA	0 VA			20		Spare	T:18		
9	Spare		20			0 VA 0 V	4	20		Spare	T:20		
21	Space									Space	T:22		
23	Space									Space	T:24		
5	Space									Space	T:26		
7	Space									Space	T:28		
					_		_			Space	T:30		

TAG KVA SIZE VOLTAGE VOLTAGE PHASE CONDUCTOR SIZE SERVED REMARKS													
TXH	225	240 V	208Y/120 3PH 4W	3	#2/0	Panel 'H1'	1						
<u> </u>	<ul> <li>GENERAL:</li> <li>MAXIMUM LENGTH OF SECONDARY CONDUCTORS SHALL NOT EXCEED 25'-0" PER NEC 240.21(C)(6).</li> <li>BOND GROUNDING ELECTRODE TO NEAREST AVAILABLE GROUNDING ELECTRODE PER NEC 250.30(A)(7).</li> </ul>												

	Installed Location:  Voltage: 208Y/120 3PH 4W  Mounting: Surface Enclosure: NEMA 1			MC Fe	us Am B Am eature fication	ps: I	MLO						Ма	SCCR/AIC: 10.0 kA ins FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	Α		В		C	;	FN	Trip (A)	Circuitry	Description	Ckt
P0:1 P0:3	Blower Coil - 'BC-1' Electric Heat	3/4"C,2#6,#10G	50		40 4		40 4	13				60	3/4"C,2#4,#10G	Blower Coil - 'BC-3' Blower / Electric Heat Circuit 1	P0:2 P0:4
P0:5 P0:7	Blower Coil - 'BC-2' Blower / Electric Heat Circuit 1	3/4"C,2#4,#10G	60		38 1	8		,	38	18		25	1/2"C,2#10,#10G	Blower Coil - 'BC-3' Electric Heat Circuit 2	P0:6 P0:8
P0:9 P0:11	Blower Coil - 'BC-2' Electric Heat Circuit 2	1/2"C,2#10,#10G	25				18 4		18	43		60	3/4"C,2#4,#10G	Blower Coil - 'BC-5' Electric Heat	P0:10 P0:12
P0:13 P0:15	Blower Coil - 'BC-4' Blower / Electric Heat Circuit 1	3/4"C,2#6,#10G	50		38 4		38 4					15	1/2"C,2#12,#12G	Blower Coil - 'BC-8' Blower	P0:14 P0:16
P0:17	Blower Coil - 'BC-4'	1/01/0 0#10 #100	25					_	18	18		20	1/2"C,1#12,#12N,#12G	Receptacle - Elevator Pit	P0:18
P0:19	Electric Heat Circuit 2	1/2"C,2#10,#10G	25		18 1	1					Н	20	1/2"C,1#12,#12N,#12G	Elevator Sump Pump	P0:20
P0:21	Receptacle - Basement	1/2"C,1#12,#12N,#12G	20				90 1	15			Н	20	1/2"C,1#12,#12N,#12G	Elevator Sump Pump Control Panel	P0:22
P0:23	Lighting - Basement	1/2"C,1#12,#12N,#12G	20					•	13	0 VA		20		Spare	P0:24
P0:25	Space													Space	P0:26
	Space													Space	P0:28
P0:27 P0:29	Орасс														P0:30

Designation: P1

Installed Location:

Designation: P2

	Voltage: 208Y/120 3PH 4W Mounting: Surface Enclosure: NEMA 1			F	eatur	nps: M es & ons: -	LO						Mai	ins FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	-	<b>\</b>	В		С		FN	Trip (A)	Circuitry	Description	Ckt
P1:1	LTG - SE 1st Floor	1/2"C,1#12,#12N,#12G	20		76	54						20	1/2"C,1#12,#12N,#12G	RCPT - 102, 104Entry/Elev Lobby	P1:2
P1:3	LTG - NW 1st Floor	1/2"C,1#12,#12N,#12G	20			1	7 3	36				20	1/2"C,1#12,#12N,#12G	RCPT - 102 Check-in	P1:4
P1:5	LTG - NE 1st Floor	1/2"C,1#12,#12N,#12G	20						66 7	2		20	1/2"C,1#12,#12N,#12G	RCPT - 102 Check-in	P1:6
P1:7	LTG - Playground	1/2"C,1#12,#12N,#12G	20		17	72						20	1/2"C,1#12,#12N,#12G	RCPT - 103 Office	P1:8
P1:9	RCPT - Telecom Board	1/2"C,1#12,#12N,#12G	20	Н		8	0 1	15				20	1/2"C,1#10,#10N,#10G	Electric Wall Heater - 104 Elevator	P1:10
P1:11	RCPT - Telecom Board	1/2"C,1#12,#12N,#12G	20	Н					80 1	8		20	1/2"C,1#12,#12N,#12G	Water Heater 'HWH-A'	P1:12
P1:13	Electric Water Cooler	1/2"C,1#12,#12N,#12G	20		18	48						20	1/2"C,1#12,#12N,#12G	Reirculation Pump 'HWP'	P1:14
P1:15	RCPT - 108 Seating	1/2"C,1#12,#12N,#12G	20			7.	2 5	54				20	1/2"C,1#12,#12N,#12G	RCPT - 121, 126 Halls	P1:16
P1:17	RCPT - 114 Storage	1/2"C,1#12,#12N,#12G	20						72 5	4		20	1/2"C,1#12,#12N,#12G	RCPT - 124, 128 Men/Women	P1:18
P1:19	RCPT - 116 Seating	1/2"C,1#12,#12N,#12G	20		54	54						20	1/2"C,1#12,#12N,#12G	RCPT - 126, 127 Halls, S4	P1:20
P1:21	RCPT - 118 S. Party Room 1	1/2"C,1#12,#12N,#12G	20			5	4 7	72				20	1/2"C,1#12,#12N,#12G	RCPT - 129 Storage	P1:22
P1:23	RCPT - 118 N. Party Room 1	1/2"C,1#12,#12N,#12G	20						54 1	4		20	1/2"C,1#10,#10N,#10G	RCPT - Show Window 101 Vest	P1:24
P1:25	RCPT - 122 Party Room 2	1/2"C,1#12,#12N,#12G	20		90	14						20	1/2"C,1#10,#10N,#10G	RCPT - Show Window 102 Recept	P1:26
P1:27	Fire Alarm Control Panel	1/2"C,1#12,#12N,#12G	20	Н		2	0							Space	P1:28
P1:29	LTG - Exteior Downlights	1/2"C,1#12,#12N,#12G	20						76					Space	P1:30
P1:31	LTG - Exterior Lighting Controls	1/2"C,1#12,#12N,#12G	20		0 VA									Space	P1:32
P1:33	LTG - Future Building Sign	1/2"C,1#10,#10N,#10G	20			1:	2							Space	P1:34
P1:35	LTG - Future Building Sign	1/2"C,1#10,#10N,#10G	20						12					Space	P1:36
P1:37	Space													Space	P1:38
P1:39	Space													Space	P1:40
P1:41	Space													Space	P1:42
			nected l		_		3288 \ 70 <i>P</i>	_	6837 Y	_					

Bus Amps: 225

De	signation: M				-									
	Installed Location: Voltage: 208Y/120 3PH 4W Mounting: Surface Enclosure: NEMA 1			Bus A MCB A Featu Modificat	mps: res &	MLO							SCCR/AIC: 10.0 kA ns FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	A	E	3	C	;	FN	Trip (A)	Circuitry	Description	Ckt
M:1	LTG - West Mezzanine	1/2"C,1#12,#12N,#12G	20	62	54						20	1/2"C,1#12,#12N,#12G	RCPT - M07 Bar Storage	M:2
M:3	LTG - East Mezzanine	1/2"C,1#12,#12N,#12G	20			93	36			G	20	1/2"C,1#12,#12N,#12G	RCPT - Mezz POS	M:4
M:5	RCPT - M14-M16 Toilets/Jan	1/2"C,1#12,#12N,#12G	20					54	20	G	20	1/2"C,1#12,#12N,#12G	Draft Beer Cooler - Item 3	M:6
M:7	RCPT - S. M01 Party Room 3	1/2"C,1#12,#12N,#12G	20	54	. 24					G	20	1/2"C,1#12,#12N,#12G	Refrigerated Cabinet - Item 4	M:8
M:9	RCPT - N. M01 Party Room 3	1/2"C,1#12,#12N,#12G	20			54	36				20	1/2"C,1#12,#12N,#12G	RCPT - M03 Seating	M:10
M:11	RCPT - S. M08 Party Room 4	1/2"C,1#12,#12N,#12G	20					54	54		20	1/2"C,1#12,#12N,#12G	RCPT - M11 Seating	M:12
M:13	RCPT - N. M08 Party Room 4	1/2"C,1#12,#12N,#12G	20	54	. 0 VA						20		Spare	M:14
M:15	Space						0 VA				20		Spare	M:16
M:17	Space												Space	M:18
M:19	Space												Space	M:20
M:21	Space												Space	M:22
M:23	Space												Space	M:24
M:25	Space												Space	M:26
M:27	Space												Space	M:28
M:29	Space												Space	M:30
			nected I nected A		1 A		9 VA 9 A	1824 15						

	Installed Location: Voltage: 208Y/120 3PH 4W Mounting: Surface Enclosure: NEMA 1			M(	Bus Amp CB Amp Features ification	os:   s &	MLO					SCCR/AIC: 10.0 kA ns FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	Α		В	С	FN	Trip (A)	Circuitry	Description	Ckt
P2:1	Lighting - N. 2nd Floor Common Area	1/2"C,1#12,#12N,#12G	20		43 1	8				20	1/2"C,1#12,#12N,#12G	Fitness Equipment - Gym 223	P2:2
P2:3	Lighting - S. 2nd Floor Common Area	1/2"C,1#12,#12N,#12G	20				81 54			20	1/2"C,1#12,#12N,#12G	Fitness Equipment - Gym 223	P2:4
P2:5	Lighting - Gym 223	1/2"C,1#12,#12N,#12G	20					16 18		20	1/2"C,1#12,#12N,#12G	Fitness Equipment - Gym 223	P2:6
P2:7	RCPT - 201, 202, 204 TLTS/Jan	1/2"C,1#12,#12N,#12G	20		54 1	8				20	1/2"C,1#12,#12N,#12G	TV - Gym 223	P2:8
P2:9	RCPT - Halls 203, 208	1/2"C,1#12,#12N,#12G	20				90 18			20	1/2"C,1#12,#12N,#12G	TV - Gym 223	P2:10
2:11	RCPT - Hall 212	1/2"C,1#12,#12N,#12G	20					72 18		20	1/2"C,1#12,#12N,#12G	TV - Gym 223	P2:1:
P2:13	Electric Water Heating		20		15 7	2				20	1/2"C,1#12,#12N,#12G	RCPT - Gym 223	P2:1
2:15	Spare		20				0 VA 18			20	1/2"C,1#12,#12N,#12G	Electric Water Cooler - Gym 223	P2:1
2:17	Spare		20					0 VA 40		50	3/4"C,2#6,#10G	Blower Coil 'BC-9'	P2:18
P2:19	Space				4	0				50	3/4 0,2#0,#10G	Electric Heat	P2:2
P2:21	Space		-				22			25	1/2"C,2#10,#10G	Blower Coil - 'BC-10'	P2:22
P2:23	Space		-					22		20	1/2 0,2#10,#10G	Electric Heat	P2:24
2:25	Space											Space	P2:2
2:27	Space	-										Space	P2:28
2:29	Space											Space	P2:30
		Cor	nected l	Load:	7568	۷A	4825 VA	7465 V	4				
		Coni	nected A	mps:	66 A	\ \ \	40 A	66 A	1				

AVE.

SANTA FE

101 N.

KANSAS

SHEET NO .:

24-3421

SCCR/AIC: 10.0 kA

A1:28 A1:30

CKt	Description	Circuitry	Trip (A)	FIN		A		В	FN	Trip (A)	Circuitry	Description	CKt
A5:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	5 A	19 A				20	4/01/0 0#40 #400	Water Heater	A5:2
A5:3	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA			5 A	19 A		30	1/2"C,2#10,#10G	Water Heater	A5:4
A5:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				20	4/0/10 0/40 #400	Olathar David	A5:6
A5:7	Disposal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A	]	30	1/2"C,2#10,#10G	Clothes Dryer	A5:8
A5:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				F0	3/4"C,2#6,#10G	Dance	A5:10
A5:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			5 A	33 A		50	3/4 C,2#0,#10G	Range	A5:12
A5:13	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α	5 A	44 A				60	2/4"C 2#4 #10C	Blower Coil 'BC-15'	A5:14
A5:15	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	Α			2 A	44 A		60	3/4"C,2#4,#10G	Blower Coll BC-13	A5:16
A5:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA	2 A	12 A				25	1/2"C,2#10,#10G	Heat Pump 'HP-15'	A5:18
A5:19	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA			2 A	12 A		25	1/2 0,2#10,#109	Heat Fullip HF-15	A5:20
A5:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A	0 A				20	1	Spare	A5:22
A5:23	Bathroom	1/2"C,1#12,#12N,#12G	20	G			3 A	0 A		20	1	Spare	A5:24
A5:25	Spare Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A	0 A				20	-	Spare	A5:26
A5:27	Spare		20				0 A				-	Surge Protection	A5:28
A5:29	Spare		20		0 A						ı	Surge Protection	A5:30
De	signation: A6												
	Installed Location: APARTMENT 6			Bus	Amps	: 125						SCCR/AIC: 18.0 kA	
	<b>Voltage:</b> 120/240 1PH 3W				-	: MLO						Mains FN/Note: -	
	•				-		,					manis i Wivote.	
	Mounting: Flush		M		tures &								
	Enclosure: NEMA 1		IVI	Juliica	ations								

	Voltage: 120/240 1PH 3W  Mounting: Flush Enclosure: NEMA 1			MCB /	Amps ures 8						Ма	ins FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		A	В		FN	Trip (A)	Circuitry	Description	Ckt
A6:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	5 A	19 A				20	4/0110 0#40 #400	Water Heater	A6:2
A6:3	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA			5 A	19 A		30	1/2"C,2#10,#10G	Water Heater	A6:4
A6:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				30	1/01/0 0#10 #100	Clathan Driver	A6:6
A6:7	Disposal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A		30	1/2"C,2#10,#10G	Clothes Dryer	A6:8
A6:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				50	2/4"C 2#6 #40C	Donne	A6:10
A6:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			5 A	33 A		50	3/4"C,2#6,#10G	Range	A6:12
A6:13	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α	5 A	44 A				60	2/4"C 2#4 #40C	Planter Cail IDC 161	A6:14
A6:15	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	Α			2 A	44 A		60	3/4"C,2#4,#10G	Blower Coil 'BC-16'	A6:16
A6:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA	2 A	12 A				25	1/2"C 2#10 #10C	Lloot Direct U.D. 161	A6:18
A6:19	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA			2 A	12 A		25	1/2"C,2#10,#10G	Heat Pump 'HP-16'	A6:20
A6:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α	11 A							Space	A6:22
A6:23	Bathroom	1/2"C,1#12,#12N,#12G	20	G			3 A					Space	A6:24
A6:25	Spare Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A							Space	A6:26
A6:27	Space											Surge Protection	A6:28
A6:29	Space											Surge Protection	A6:30

		OCCUPA	ANCY SENS	OR SCHEDULE	
OS TYPE	MANUFACTURER	MODEL NUMBER	TECHNOLOGY TYPE	DESCRIPTION	NOTES
1	SENSORWORX	SWX-221-2	DUAL TECHNOLOGY	120V LINE VOLTAGE 360 DEGREE CEILING SENSOR	
2	SENSORWORX	SWX-202-1	PIR	LOW VOLTAGE 360 DEGREE CEILING SENSOR	1
NOTES	 ISTALL AND AIM SENSO <u>S</u> :			COVERAGE. SENSORWORX #SWX-900.	

	Breaker Function Schedule
#	For any number, see panel schedule footer note
Α	Arc-Fault Interrupter (AFCI) Protection
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) and Ground-Fault Circuit Interrupter, 5mA, (GFCI) Protection
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
Н	Breaker hasp to prevent unintentional opening
HR	'HACR' rated breaker.
L	Lockable open according to NEC 110.25
S	Switch-rated per NEC 240.83(D)

					LIGHT FIXTURE S	CHEDULE			
СС	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A1	DAY-BRITE CFI	1SBP2035L8DS-4-UNV-DIM	33 W	4000 lm	0-10V DIMMING TO 5%	LAY-IN	WHITE	1 X4 BACKLIT LED FLAT PANEL WITH EXTRUDED ALUMINUM FRAME AND FLAT OPAL DIFFUSER WITH SURFACE MOUNT KIT.	
A2	DAY-BRITE CFI	2SBP2035L8DS-2-UNV-DIM	34 W	3900 lm	0-10V DIMMING TO 5%	LAY-IN	WHITE	2X2 BACKLIT LED FLAT PANEL WITH EXTRUDED ALUMINUM FRAME AND FLAT OPAL DIFFUSER	5
A3	DAY-BRITE CFI	2SBP3550L8DS-4-UNV-DIM	51 W	6000 lm	0-10V DIMMING TO 5%	LAY-IN	WHITE	2X4 BACKLIT LED FLAT PANEL WITH EXTRUDED ALUMINUM FRAME AND FLAT OPAL DIFFUSER	5
В	MAXIM LIGHTING	52004	20 W	1900 lm	LED DRIVER, ELV DIMMABLE, 2%	SURFACE WALL HORIZONTAL	SELECTED BY ARCHITECT	LED VANITY LIGHT	
C2	LIGHTOLIER	S7R835K	14 W	1000 lm	LED DRIVER, ELV DIMMABLE, 2%	CEILING SURFACE	WHITE	7" DIA ROUND SURFACE MOUNT DOWNLIGHT	
D	DAY-BRITE CFI	2FPZ80L835-4-DS-UNVS-DIM	65 W	8000 lm	0-10V DIMMING TO 5%	LAY-IN	WHITE	IC RATED 2X4 BACKLIT LED FLAT PANEL WITH EXTRUDED ALUMINUM FRAME AND FLAT OPAL DIFFUSER	5
E1	CHLORIDE	VLTU				SURFACE WALL	WHITE	LED DUAL-HEAD EMERGENCY LIGHT	1
E2	LITHONIA	AFB-OEL-DDBTXD-UVOLT-N-WT-CW				SURFACE WALL	WHITE	DIE-CASET ALUMINUM EMERGENCY LIGHT WITH POLYCARBONATE LENS, INTEGRAL COLD WEATHER BATTERY	1
F		SELECTED BY OWNER, PROVIDED BY E.C.	20 W		STANDARD	CEILING SUSPENDED	SELECTED BY ARCHITECT	52" DIAMETER CEILING FAN WITH LED LIGHT KIT	
G	DAY-BRITE CFI	FSS440L835-UNV-DIM	30 W	4000 lm	0-10V DIMMING TO 10%	SUSPENDED	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS	
Н	DAY-BRITE CFI	V3W443L835-UNV-DIM	29 W	3700 lm	STANDARD	WALL	WHITE	4FT FULLY ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC LENS	
J	DAY-BRITE CFI	SF4VC42A35USZT-US-EMLED	52 W	4200 lm	STANDARD	WALL	WHITE	4FT WALL MOUNTED STAIRWELL LIGHT WITH INTEGRAL OCCUPANCY SENSOR, STEP DIMMING, AND EMERGENCY BATTERY BACKUP	
K	LITHONIA	6RN-P6RDL10940WCLWH-Z10U	10 W	1000 lm	0-10V DIMMING TO 1%	RECESSED	WHITE	6" DOWNLIGHT	6
W1	GARDCO	GCSA03840T3MUNVBK	25 W	3701 lm	STANDARD	SURFACE WALL	BLACK	LED WALL PACK WITH IES TYPE 3 DISTRIBUTION	
W2	GARDCO	GCSA03840T4MUNVBK	25 W	3603 lm	STANDARD	SURFACE WALL	BLACK	LED WALL PACK WITH IES TYPE 4 DISTRIBUTION	
X1	CHLORIDE	VERWEM	1 W			CEILING/WALL	WHITE	UNIVERSAL SINGLE FACE POLYCARBONATE EXIT SIGN	1,2
X2	CHLORIDE	VERWEM	1 W			CEILING/WALL	WHITE/RED LETTERING	UNIVERSAL DOUBLE FACE POLYCARBONATE EXIT SIGN	1,2
Х3	MULE	WLMX1BRWHSD	1 W			SURFACE WALL	WHITE/RED LETTERING	LED EXIT SIGN - WALL MOUNTED EXTERIOR RATED	1,2,3,4
XE	CHLORIDE	VLTCR3R	2 W	200 lm		CEILING/WALL	WHITE/RED	LED COMBINATION EXIT/EMERGENCY LIGHT	1,2

ENER/	<u>\L</u> :	
	ΛII	INITEDIA

ALL INTERIOR LED'S SHALL BE 3500K CORRELATED COLOR TEMPERATURE, MINIMUM 80 CRI
 ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS
 PROVIDE MANUFACTURER'S FLANGE KIT WHERE LAY-IN FIXTURES ARE TO BE INSTALLED IN GYP.

NOTES:
1. PROVIDE FIXTURE WITH EMERGENCY BATTERY INTEGRAL CHARGER.

2. FIXTURE SHALL BE CAPABLE OF WALL OR CEILING MOUNTING AND HAVE BREAK-OUT DIRECTIONAL CHEVRONS.

3. FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -4F THROUGH 104F.

4. U.L. LISTED FOR 'WET LOCATION'.

5. INSTALL FIXTURE PER DETAIL 3, SHEET E6.1 6. U.L. LISTED FOR 'DAMP LOCATION'.

	Installed Location: APARTMENT 1 Voltage: 120/240 1PH 3W Mounting: Flush Enclosure: NEMA 1			MCB /	Amps: Amps: ures & ations:	MLO					Mai	SCCR/AIC: 10.0 kA ins FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		A	E	3	FN	Trip (A)	Circuitry	Description	Ckt
A1:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	3 A	19 A				20	1/0"0 0#10 #100	Water Heater	A1:2
A1:3	Kitchen Counter/Island Receptacles	1/2"C,1#12,#12N,#12G	20	GA			3 A	19 A		30	1/2"C,2#10,#10G	Water Heater	A1:4
A1:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				30	1/2"C 2#10 #10N #10C	Clathan Driver	A1:6
A1:7	Disposal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A		30	1/2"C,2#10,#10N,#10G	Clothes Dryer	A1:8
A1:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				50	3/4"C 2#6 #6N #40C	Donne	A1:10
A1:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			8 A	33 A		50	3/4"C,2#6,#6N,#10G	Range	A1:12
A1:13	Hall/Mech Receptacles	1/2"C,1#12,#12N,#12G	20	Α	8 A	47 A				60	3/4"C,2#4,#10G	Blower Coil 'BC-11'	A1:14
A1:15	Kitchen/Living/Hall/Mech Lighting	1/2"C,1#12,#12N,#12G	20	Α			3 A	47 A		00	3/4 C,2#4,#10G	Fan/Electric Heat Circuit 1	A1:16
A1:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA	2 A	20 A				25	1/2"C 2#10 #10C	Blower Coil 'BC-11'	A1:18
A1:19	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA			2 A	20 A		25	1/2"C,2#10,#10G	Electric Heat Circuit 2	A1:20
A1:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α	10 A	12 A				40	1/2"0 2#9 #100	Llook Director UID 441	A1:22
A1:23	Master Bathroom	1/2"C,1#12,#12N,#12G	20	G			5 A	12 A		40	1/2"C,2#8,#10G	Heat Pump - 'HP-11'	A1:24
A1:25	Bathroom	1/2"C,1#12,#12N,#12G	20	G	3 A	2 A				20	1/2"C,1#12,#12N,#12G	Clothes Dryer Booster Fan	A1:26
A1:27	Spare Bedroom 1	1/2"C,1#12,#12N,#12G	20	Α			6 A					Surge Protection	A1:28
A1:29	Spare Bedroom 2	1/2"C,1#12,#12N,#12G	20	Α	6 A							Surge Protection	A1:30

Designation: A3

Installed Location: APARTMENT 3

	ignation: A2 Installed Location: APARTMENT 2 Voltage: 120/240 1PH 3W Mounting: Flush Enclosure: NEMA 1			MCB A	ures 8	MLO					М	SCCR/AIC: 10.0 kA lains FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		A	E	В	FN	Trip (A)	Circuitry	Description	Ckt
A2:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	5 A	19 A				20	4/0110 0#40 #400	Water Hanter	A2:2
A2:3	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA			3 A	19 A		30	1/2"C,2#10,#10G	Water Heater	A2:4
A2:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				20	4/0//0 0#40 #400	Clathan Davin	A2:6
A2:7	Disposal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A		30	1/2"C,2#10,#10G	Clothes Dryer	A2:8
A2:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				F0	3/4"C 3#6 #40C	Denze	A2:10
A2:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			5 A	33 A		50	3/4"C,2#6,#10G	Range	A2:12
A2:13	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α	5 A	36 A				15	2/4"C 2#6 #10C	Blower Coil 'BC-12'	A2:14
A2:15	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	Α			2 A	36 A		45	3/4"C,2#6,#10G	Blower Coll BC-12	A2:16
A2:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA	2 A	12 A				25	1/2"C,2#10,#10G	Hoot Dump IHD 12	A2:18
A2:19	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA			2 A	12 A		25	1/2 C,2#10,#10G	Heat Pump 'HP-12'	A2:20
A2:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α	9 A	2 A				20	1/2"C,1#12,#12N,#12G	Clothes Dryer Booster Fan	A2:22
A2:23	Bathroom	1/2"C,1#12,#12N,#12G	20	G			3 A					Space	A2:24
A2:25	Spare Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A							Space	A2:26
A2:27	Space											Surge Protection	A2:28
A2:29	Space											Surge Protection	A2:30

	Voltage: 120/240 1PH 3W Mounting: Flush Enclosure: NEMA 1			Feat	Amps: tures & ations:						n	Mains FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		4	Е	3	FN	Trip (A)	Circuitry	Description	Ckt
A3:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	3 A	19 A				30	1/2"C,2#10,#10G	Water Heater	A3:2
A3:3	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA			3 A	19 A		30	1/2 0,2#10,#100	Water Heater	A3:4
A3:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				30	1/2"C,2#10,#10G	Clothes Dryer	A3:6
A3:7	Disposal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A		30	1/2 0,2#10,#10G	Ciotiles Diyei	A3:8
A3:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				50	3/4"C,2#6,#10G	Dongo	A3:10
A3:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			6 A	33 A		50	3/4 C,2#0,#10G	Range	A3:12
A3:13	Living Room/Hall Receptacles	1/2"C,1#12,#12N,#12G	20	Α	5 A	36 A				40	1/2"C,2#8,#10G	Blower Coil 'BC-13'	A3:14
A3:15	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	Α			2 A	36 A		40	1/2 C,2#0,#10G	Diowei Coll BC-13	A3:16
A3:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA	2 A	12 A				25	1/01/0 0#10 #100	Liest Divers IIID 421	A3:18
A3:19	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA			2 A	12 A		25	1/2"C,2#10,#10G	Heat Pump 'HP-13'	A3:20
A3:21	Bedroom	1/2"C,1#12,#12N,#12G	20	Α	9 A	2 A				20	1/2"C,1#12,#12N,#12G	Clothes Dryer Booster Fan	A3:22
A3:23	Bathroom	1/2"C,1#12,#12N,#12G	20	G			3 A					Space	A3:24
A3:25	Space	-										Space	A3:26
A3:27	Space											Surge Protection	A3:28
				1						_		<u> </u>	

Bus Amps: 125

3:27	Space	 				 		 Surge Protection
3:29	Space	 						 Surge Protection
					-			
Design	ation: A4							
_								
Installe	ed Location: APARTMENT 4		Bus A	mps:	150			SCCR/AIC: 18.0 kA
	Voltage: 120/240 1PH 3W		MCB A	mps:	MLO			Mains FN/Note: -
	Manustinan Chiak		Featu	ree &				
	Mounting: Flush		i cutu	ics u				

Ckt	Description	Circuitry	Trip (A)	FN	1	4	E	3	FN	Trip (A)	Circuitry	Description	Ckt
A4:1	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA	3 A	19 A				30	1/2"C,2#10,#10G	Water Heater	A4:2
A4:3	Kitchen Counter Receptacles	1/2"C,1#12,#12N,#12G	20	GA			3 A	19 A					A4:4
A4:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	GA	4 A	23 A				30	1/2"C,2#10,#10G	Clothes Dryer	A4:6
A4:7	Dispoal	1/2"C,1#12,#12N,#12G	20	GA			4 A	23 A		30			A4:8
A4:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	GA	2 A	33 A				50	3/4"C,2#6,#10G	Range	A4:1
A4:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	Α			5 A	33 A		50			A4:1
A4:13	Living Room/Hall Receptacles	1/2"C,1#12,#12N,#12G	20	Α	5 A	45 A				60	3/4"C,2#4,#10G	Blower Coil 'BC-14'	A4:1
A4:15	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	Α			2 A	45 A				Fan/Electric Heat Circuit 1	A4:1
A4:17	Clothes Washer Receptacles	1/2"C,1#12,#12N,#12G	20	GA	2 A	20 A			2	25	1/2"C,2#10,#10G	Blower Coil 'BC-14' Electric Heat Circuit 2	A4:1
A4:19	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	GA			2 A	20 A		25			A4:2
A4:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A	12 A				30	1/2"C,2#10,#10G	Heat Pump 'HP-14'	A4:2
A4:23	Bathroom	1/2"C,1#12,#12N,#12G	20	G			3 A	12 A					A4:2
A4:25	Spare Bedroom	1/2"C,1#12,#12N,#12G	20	Α	8 A	2 A				20	1/2"C,1#12,#12N,#12G	Clothes Dryer Booster Fan	A4:2
A4:27	Space											Surge Protection	A4:2
A4:29	Space											Surge Protection	A4:3

GillamRenz

3/20/2025 24-3421 **@** SHEET NO .: