

GENERAL:

- CONTRACTOR SHALL SURVEY THE AREA OF THIS WORK BEFORE SUBMITTING A BID AND SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY CONDITIONS WHICH WOULD PREVENT THE INSTALLATION OF THE WORK AS SHOWN ON DRAWINGS.
- ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FAILURE OF ANY DUCTWORK SYSTEM OR EQUIPMENT TO FUNCTION PROPERLY UPON COMPLETION OF HIS WORK UPON SAID SYSTEM OR EQUIPMENT.
- FRANCHISEE OPTION TO RETAIN HVAC COMMISSIONING AGENT.

HVAC:

- ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- CONTRACTOR TO PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK AND OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- VERIFY LOCATION OF PERMISSIBLE NEW STRUCTURAL ROOF PENETRATIONS AND ADAPT THE REQUIRED DUCTS ACCORDINGLY. THE OPENINGS MUST BE LOCATED USING A REBAR LOCATOR, TRYING TO LEAVE A TRANSVERSE BAR WITHIN 4" FROM THE OPENING. LOCATE OPENINGS AT MID-DISTANCE BETWEEN THE STEMS OF THE DOUBLE TEE AND LONGITUDINAL REINFORCEMENT SHALL NEVER BE CUT. CALL THE ARCHITECT'S OFFICE IN CASE OF UNEXPECTED DIFFICULTIES.
- ALL EXPOSED DUCTWORK SHALL BE INTERNALLY INSULATED AND CONCEALED DUCTWORK TO BE EXTERNALLY INSULATED.
- ALL SUPPLY / RETURN DUCTS PROVIDED SHALL BE RIGID, WITH THE EXCEPTION OF THE LAST 10'-0" WHICH MAY BE FLEX.
- PROVIDE DUCT SMOKE DETECTOR IN SUPPLY DUCTWORK WHEREVER SHOWN ON PLANS. IN EVENT OF SMOKE, THE DUCT SMOKE DETECTOR SHALL SWITCH OFF THE ROOFTOP UNIT. DUCT SMOKE DETECTORS SHALL COMPLY WITH UL 268A.
- PROVIDE MANUAL VOLUME DAMPER ON ALL BRANCH DUCTS WHEREVER INDICATED ON PLANS IN ACCESSIBLE CEILINGS. PROVIDE CABLE OPERATED VOLUME DAMPERS IN INACCESSIBLE CEILINGS.
- ALL OUTSIDE AIR INTAKE SHALL BE MINIMUM 10' AWAY FROM LOT LINE AND ALL EXHAUST OPENINGS.
- COORDINATE WITH THE WORK OF OTHERS SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DRIPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE AND PROVIDE COPY TO LL.
- OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.
- FINAL HVAC SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENTS ARRIVAL, EQUIPMENT NOT WIRED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM / STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES, OWNER WILL REQUEST A RE-TEST AND THE COST FOR SAME SHALL BE ALSO INCURRED BY THE GENERAL CONTRACTOR.
- FOR SUPPLY, RETURN, AND OUTSIDE AIR INTAKE, PROVIDE INSULATION AS FOLLOWS:
UNCONDITIONED SPACES WITHIN BUILDING: SUPPLY (R-4.2) / RETURN(R-4.2)
WITHIN BUILDING ENVELOPE ASSEMBLY: SUPPLY (R-6) / RETURN(R-4.2)
OUTSIDE OF BUILDING: SUPPLY (R-6) / RETURN(R-4.2)

- ALL WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF 2023 FLORIDA BUILDING CODE (FBC) AND ALL AMENDMENTS AND RULES AND REGULATIONS OF THE DEPARTMENT OF BUILDINGS TO DATE. THE LICENSED PROFESSIONAL ENGINEER, ARCHITECT OR OTHER PERSON HAVING NOT LESS THAN FIVE (5) YEARS EXPERIENCE SUPERVISING THE INSTALLATION OF SUCH MECHANICAL SYSTEMS AND CONDUCTING SUCH TESTS WILL FILE DOCUMENTATION AND REPORTS OF TESTS THAT THE SYSTEM COMPLIES WITH THE CONSTRUCTION DOCUMENTS AND APPLICABLE LAWS.
- TESTS OF MECHANICAL SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE 2023 FMC, 8TH EDITION:
 - VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES - FMC 506.
 - THE FOLLOWING WORK ITEMS, COMPONENTS, MATERIALS, CAPACITIES, ETC. SHALL COMPLY WITH THE REFERENCED CODE OR STANDARD:
 - DUCT CONSTRUCTION AND INSTALLATION- 2023 FMC 603.
 - AIR INTAKES, EXHAUSTS AND RELIEF - 2023 FMC 401.5.
 - GAS FIRED EQUIPMENT -2023 FLORIDA FUEL GAS CODE.
 - MINIMUM TEMPERATURE TO BE MAINTAINED IN OCCUPIED SPACES DURING HEATING SEASON: 68 DEG. FAHRENHEIT.
 - VENTILATION FOR ALL AREA SHALL COMPLY WITH 2023 FMC 401.
 - A STATEMENT SHALL BE FILED BY THE OWNER OR TENANT IN POSSESSION THAT THE VENTILATION SYSTEM WILL BE KEPT IN CONTINUOUS OPERATION AT ALL TIMES DURING THE NORMAL OCCUPANCY OF THE STRUCTURE AS REQUIRED BY 2023 FMC 403.3.1.3 (SYSTEM OPERATION).
 - REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FIRE-RATED WALL AND SMOKE WALL CONSTRUCTION AND LOCATION.
 - THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.
 - ALL HEATING AND COOLING LOADS CALCULATED PER ASHRAE/ACCA 183.
 - DUCT SMOKE DETECTOR SHALL MEET UL268A.
 - VENTILATION SYSTEMS SHALL BE BALANCED TO MAINTAIN THE MINIMUM VENTILATION AIRFLOW RATE AS SHOWN IN VENTILATION REQUIREMENT TABLE. THIS SYSTEM SHALL BE BALANCED BY APPROVED METHOD -FMC- 2023 608.1. CONTRACTOR SHALL SUBMIT THE AIR BALANCE REPORT TO THE INSPECTOR.

BUILDING DEPARTMENT NOTES

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GENERAL NOTES

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- PROVIDE A NEW 12.5 TON ROOF TOP UNIT TO SERVE THE DINING AREA.
- PROVIDE (2) NEW 6 TON ROOF TOP UNITS TO SERVE THE KITCHEN AREA.
- PROVIDE (2) NEW EXHAUST FANS AND A NEW MAKE UP AIR UNIT FOR THE HOODS.
- PROVIDE NEW EXHAUST FANS TO SERVE THE KITCHEN AND RESTROOMS.
- PROVIDE NEW DUCTWORK ALONG WITH ALL NECESSARY/MENTIONED ACCESSORIES AS SHOWN ON PLAN. REFER TO SHEET M2.0.
- PROVIDE NEW DIFFUSERS/ GRILLES FOR AIR DISTRIBUTION AS SPECIFIED.
- PROVIDE NEW AIR CURTAIN WHEREVER SHOWN ON PLANS IF REQUIRED BY LOCAL HEALTH DEPARTMENT OF AHJ.
- THE WORK UNDER CONTRACT INCLUDES ALL LABOR, MATERIALS AND APPLIANCES NECESSARY FOR THE FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR SAFE OPERATION OF THE SYSTEMS AS DESCRIBED IN THE SPECIFICATIONS, FLOOR PLAN(S) DESIGN, DETAIL DRAWINGS, NOTES, RFIS, ETC. FOR THIS PROJECT. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER.
- THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.
- THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OF ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES, BY OWNER, INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.

SCOPE OF WORK

C

- PROVIDE CLEAN OUT AT ALL ELBOWS AND BOTTOM OF RISER AND EVERY 15 FEET HORIZONTAL KITCHEN EXHAUST DUCT.
- CLEANOUT OPENINGS SHALL BE PROVIDED AT EVERY CHANGE IN DIRECTION AND WITHIN 3 FEET OF THE EXHAUST FAN.
- CLEANOUT OPENINGS SHALL BE EQUIPPED WITH TIGHT-FITTING DOORS CONSTRUCTED OF STEEL HAVING A THICKNESS NOT LESS THAN THAT REQUIRED FOR THE DUCT. DOORS SHALL BE EQUIPPED WITH A SUBSTANTIAL METHOD OF LATCHING, SUFFICIENT TO HOLD THE DOOR TIGHTLY CLOSED. DOOR ASSEMBLIES SHALL HAVE A GASKET OR SEALANT THAT IS NON-COMBUSTIBLE AND LIQUID TIGHT AND SHALL NOT HAVE FASTENERS THAT PENETRATED THE DUCT.
- THE CLEANOUTS FOR HORIZONTAL GREASE DUCT SHALL BE LOCATED ON THE SIDE OF THE DUCT WITH THE OPENING NOT LESS THAN 1.5" ABOVE THE BOTTOM OF THE DUCT AND NOT LESS THAN 1" BELOW THE TOP OF THE DUCT.
- COMMERCIAL KITCHEN GREASE DUCTS SHALL BE DESIGNED FOR THE TYPE OF COOKING APPLIANCE AND HOOD SERVED.
- JOINTS, SEAMS AND PENETRATIONS OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID TIGHT WELD OR BRAZE MADE IN THE EXTERNAL SURFACE IF THE DUCT SYSTEMS.
- DUCT TO EXHAUST FAN CONNECTIONS SHALL BE FLANGED, GASKETED AND BOLTED TO THE INLET AND OUTLET OF THE FAN FOR INLINE FANS. APPROVED FLEXIBLE CONNECTIONS MAY BE PROVIDED.
- A VIBRATION ISOLATION CONNECTOR FOR CONNECTING A DUCT TO A FAN SHALL CONSIST OF NON-COMBUSTIBLE PACKING IN A METAL SLEEVE JOINT OF APPROVED DESIGN OR SHALL BE A COATED-FABRIC FLEXIBLE DUCT CONNECTOR LISTED AND LABELED FOR THE APPLICATION. VIBRATION ISOLATION CONNECTORS SHALL BE INSTALLED ONLY AT THE CONNECTION OF A DUCT TO A FAN INLET OR OUTLET.
- PRIOR TO THE USE OR CONCEALMENT OF ANY PORTION OF A GREASE DUCT SYSTEM, A LEAKAGE TEST SHALL BE PERFORMED. DUCT SHALL BE CONSIDERED TO BE CONCEALED WHERE INSTALLED IN SHAFTS OR COVERED BY COATINGS OR WRAPS THAT PREVENT THE DUCTWORK FROM VISUALLY INSPECTED ON ALL SIDE. THE DUCT INSTALLER SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY EQUIPMENT AND PERFORMING THE GREASE DUCT LEAKAGE TEST. THE DUCT LEAKAGE TEST SHALL BE PERFORMED FOR ALL THE DUCT SYSTEMS, INCLUDING THE DUCT-TO-DUCT CONNECTION. THE DUCTWORK SHALL BE PERMITTED TO BE TESTED IN SECTIONS, PROVIDED THAT EVERY JOINT IS TESTED (IF TEST IS FAILED, CONTRACTOR TO PROVIDE NEW KITCHEN EXHAUST DUCT).
- PROVIDE SMOKE TEST TO PROOF TIGHTNESS OF THE GREASE DUCT.
- GREASE DUCT BRACING AND SUPPORTS SHALL BE OF NON-COMBUSTIBLE MATERIAL SECURELY ATTACHED TO THE STRUCTURE AND DESIGNED TO CARRY GRAVITY AND SEISMIC LADS WITHIN THE STREET LIMITATIONS OF THE NEW YORK CITY BUILDING CODE. BOLTS, SCREWS, RIVETS AND OTHER MECHANICAL FASTENERS SHALL NOT PENETRATE DUCT WALLS.
- A RESIDUE TRAP SHALL BE PROVIDED AT THE BASE OF EACH VERTICAL RISER WITH PROVISION FOR CLEANOUT IN ACCORDANCE WITH NFPA 96.
- A GREASE DUCT SERVING THE TYPE-1 HOOD THAT PENETRATED A CEILING, WALL OR FLOOR SHALL BE ENCLOSED FROM THE FIRE POINT OF PENETRATION TO THE OUTLET TERMINAL. DUCT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATINGS NOT LESS THAN THAT OF THE FIRE-RESISTANCE RATED ASSEMBLY PENETRATED BUT NEED NOT EXCEED 2 HOURS.
- KITCHEN EXHAUST OUTLETS SHALL BE LOCATED NOT LESS THAN 10 FEET HORIZONTALLY FROM PARTS OF THE SAME OR CONTIGUOUS BUILDINGS, ADJACENT BUILDINGS AND ADJACENT PROPERTY LINE. THIS EXHAUST OUTLETS SHALL BE LOCATED NOT LESS THAN 10 FEET HORIZONTALLY FROM AND NOT LESS THAN 3 FEET ABOVE AIR INTAKE OPENINGS INTO ANY BUILDING.
- PROVIDE TYPE-1 EXHAUST DUCT FOR HOOD-1 EXHAUST, IN COMPLIANCE WITH 2023 FMC.
- PROVIDE UL LISTED 2 LAYERS OF 1.5" THICK FIRE WARP, TESTED IN ACCORDANCE WITH ASTM E2336 FOR TYPE-1 EXHAUST DUCTS. FIRE WRAP TO PROVIDE 1 OR 2-HR ENCLOSURE. THROUGH PENETRATION FIRE STOP SYSTEMS ARE TO BE TESTED IN ACCORDANCE WITH ASTM E 814 (UL1479). FOIL COVERING TO BE PROVIDED ABOVE INSULATION.

SAUCY, WILDWOOD

COMMERCIAL KITCHEN EXHAUST NOTES

B

MECHANICAL NOTES

- 2023 FLORIDA BUILDING CODE, 8TH EDITION.
- 2023 FLORIDA ENERGY CONSERVATION CODE, 8TH EDITION.
- 2023 FLORIDA MECHANICAL CODE, 8TH EDITION.
- 2023 FLORIDA PLUMBING CODE, 8TH EDITION.
- 2020 FLORIDA ELECTRICAL CODE, (NFPA 70).
- 2023 FLORIDA FUEL GAS CODE, 8TH EDITION.
- 2023 FLORIDA FIRE PREVENTION CODE, 8TH EDITION, (NFPA 96)
- STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS, 2021 EDITION

APPLICABLE CODES

A

M1.0

PLOT DATE:

SYMBOL & ABBREVIATION	DESCRIPTION
	SA/SUP SUPPLY AIR (RISE/DROP)
	RA/RET RETURN AIR DUCT (RISE/DROP)
	EA/EXH EXHAUST AIR DUCT (RISE/DROP)
	S-X CEILING DIFFUSER/SUPPLY REGISTER
	RR/RG RETURN REGISTER/GRILLE
	ER/EG EXHAUST REGISTER/GRILLE
	FLEX FLEXIBLE DUCT (14'-0" MAXIMUM)
	ROUND DUCT ELBOW
	ROUND DUCTWORK
	MCD MANUAL VOLUME DAMPER
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	T-STAT PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE
	THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
	HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
	SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT
	D CONDENSATE DRAIN
	DIA. DIAMETER
	BD BACKDRAFT DAMPER
	X-X TAG DIFFUSER TAG
	X-X MECHANICAL EQUIPMENT DESIGNATION
	R RESET SMOKE DETECTOR RESET

MECHANICAL SYMBOLS NTS

E

SYMBOL & ABBREVIATION	DESCRIPTION
RTU	ROOF TOP UNIT
A.F.F.	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
CB	CIRCUIT BREAKER
CLG.	CEILING
CONN.	CONNECT/CONNECTION
CONT.	CONTINUATION
CFM	CUBIC FEET PER MINUTE
DISC.	DISCONNECT
EA	EXHAUST AIR
EF	EXHAUST FAN
(E)	EXISTING
SF	SUPPLY FAN
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
MFR.	MANUFACTURER
MECH.	MECHANICAL
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
RA	RETURN AIR
SA	SUPPLY AIR
S/S	STAINLESS STEEL
TYP.	TYPICAL

AIR BALANCE SCHEDULE					
ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	1888	-1888
EF-2	--	--	--	1888	-1888
EF-3	--	--	--	300	-300
EF-4	--	--	--	200	-200
SF-1	3398	--	--	--	+3398
RTU-1	500	4500	5000	--	+500
RTU-2	250	2150	2400	--	+250
RTU-3	250	2150	2400	--	+250
TOTAL	4398	8800	9800	4276	+122

AIR BALANCE SCHEDULE NTS

F

MARK	AREA SERVED	FAN DATA					COOLING CAPACITY				HEATING CAPACITY			ELECTRICAL DATA			WEIGHT (LBS.)	MODEL	MAKE
		SUPPLY CFM	MIN. OA CFM	TSP	HP	RPM	NOMINAL TONS	MIN CAP (MBH) TOT/SEN	MIN EER	INPUT (MBH)	OUTPUT (MBH)	AFUE %	VOLTS/PH	MCA (A)	MOCP (A)				
RTU-1	DINING	5000	500	1.7	3	1271	12.5	154/122	13.8	250	202	81	208-230/3	76	110	2700	YZK150A3S0	TRANE	
RTU-2	KITCHEN	2400	250	1.381	3	1190	6	74/58.9	13.4	150	121.5	81	208-230/3	42	60	1100	YZK072A3S0	TRANE	
RTU-3	KITCHEN	2400	250	1.381	3	1190	6	74/58.9	13.4	150	121.5	81	208-230/3	42	60	1100	YZK072A3S0	TRANE	

- SCHEDULE NOTES:
 1. PROVIDE LOW LEAK ECONOMIZER WITH BAROMETRIC RELIEF, PROVIDE FDD.
 2. ELECTRICAL CONNECTION TO BE SINGLE POINT AND TO BE THROUGH THE BOTTOM OF THE UNIT
 3. PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT SWITCH AND UN-POWERED CONVENIENCE OUTLET.
 4. 14" ROOF CURB - CONTRACTOR SHALL FIELD INSULATE. SHIP ASAP AHEAD OF THE UNIT.
 5. CABINET WITH 1/2" FIBERGLASS INSULATION.
 6. PROVIDE 8-WIRE, 24 VAC, AUTOMATIC CHANGEOVER, 2-STAGE HEAT / COOL, REMOTELY PROGRAMMABLE THERMOSTAT.
 7. REMOTE SENSORS SHALL BE PROVIDED IN SPACE WIRED BACK TO PROGRAMMABLE, 24 HOUR, 7 DAY, THERMOSTATS.
 8. ANTI SHORT CYCLE TIMER, CLOGGED FILTER SWITCH, CONDENSATE OVERFLOW SWITCH, FAN FAILURE SWITCH, HINGED ACCESS PANEL.
 9. PROVIDE 2" FILTERS (MERV 8), COMPLETE COAT (MICRO CHANNEL CONDENSER COIL)
 10. PROVIDE HOT GAS REHEAT WITH ASSOCIATED CONTROLS AND SENSORS FOR DEHUMIDIFICATION CONTROL.
 11. PROVIDE SUPPLY AIR SMOKE DETECTOR FOR RTU - UNIT MOUNTED.
 12. PROVIDE MOTORIZED DAMPER FOR FRESH AIR INTAKE.
 13. PROVIDE VARIABLE SPEED COMPRESSOR FOR ALL RTUs.
 14. RTUs TO HAVE R-454B REFRIGERANT.

HVAC UNIT SCHEDULE

E

Mark	FAN DATA				VOLTS/PH	DRIVE TYPE	MANUFACTURER	MODEL	NOTES
	CFM	ESP	RPM	HP					
EF-1	1888	0.82	1408	1	208/3	DIRECT	ACCUREX	XCUE-140-VG	1, 2, 3, 4, 5, 6
EF-2	1888	0.82	1408	1	208/3	DIRECT	ACCUREX	XCUE-140-VG	1, 2, 3, 4, 5, 6
EF-3	300	0.5	1665	1/10	115/1	DIRECT	GREENHECK	G-080-VG	5, 6, 7, 8
EF-4	200	0.5	1550	1/20	115/1	DIRECT	GREENHECK	G-080-D	5, 6, 7, 8

- SCHEDULE NOTES:
 1. UL 762 LISTED (GREASE)
 2. UL 705 LISTED (HEAT OR STEAM)
 3. GREASE CUP WITH DRAIN
 4. FACTORY ATTACHED HINGES
 5. WEATHERPROOF PRE-WIRED DISCONNECT SWITCH
 6. PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER
 7. GRAVITY BACKDRAFT DAMPER
 8. FURNISHED WITH DAMPER TRAY

EXHAUST FAN SCHEDULE

D

MARK	AREA SERVED	FAN DATA					COOLING CAPACITY				HEATING CAPACITY			ELECTRICAL DATA			WEIGHT (LBS.)	MODEL	MAKE
		SUPPLY CFM	MIN. OA CFM	ESP	HP	RPM	MIN CAP (MBH) TOT/SEN	INPUT (MBH)	OUTPUT (MBH)	AFUE %	VOLTS/PH	MCA (A)	MOCP (A)						
SF-1	KITCHEN	3398	3398	0.75	1.88	1800	70/67.2	152.4	140.2	92	208/3	37.6	50	1400	XDGX-P116-H12-D1-5	ACCUREX			

- SCHEDULE NOTES:
 1. MAKEUP AIR UNIT TO HAVE R454-B REFRIGERANT.

MAKEUP AIR UNIT SCHEDULE

C

MARK	TOTAL EXHAUST CFM	EXHAUST PLENUM RISER(S)			LENGTH (IN.)	WEIGHT (LBS.)	MODEL	MANUFACTURER
		WIDTH	LENGTH	SP				
HOOD-1	1888	10	18	0.3	115	347	XBEW-115-S	ACCUREX
HOOD-2	1888	10	18	0.3	115	581	XBEW-115-S	ACCUREX

- SCHEDULE NOTES:
 1. HOOD CONSTRUCTION: 430 SS WHERE EXPOSED.
 2. UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER-UL #R25625

KITCHEN HOOD SCHEDULE

B

ROOM NAME	AREA (SQ.FT)	NO. OF PEOPLE 1000 SQ.FT AS PER FMC 2023	NO. OF PEOPLE AS PER FMC 2023	NO. OF CHAIR	FINAL PEOPLE NO.	OUTSIDE AIR AS PER FMC 2023		REQ. OA CFM	PROVIDED OA CFM	EXHAUST AIRFLOW RATE (CFM/SQ.FT OR CFM/FIXT.)	TOTAL EXHAUST REQUIRED CFM	PROVIDED EXHAUST CFM
						CFM/PEOPLE	CFM/SQ.FT					
DINING	1191	70	83	28	28	7.5	0.18	424	4400	0	0	0
PICKUP AREA	312	15	5	0	5	7.5	0.12	75		0	0	0
OFFICE AREA	63	5	1	1	1	5	0.06	9		0	0	0
KITCHEN	1002	20	20	0	20	7.5	0.12	270		0.7	701	3976
STAFF TOILET	62	0	0	0	0	0	0	0		70	70	100
REST ROOM MEN	68	0	0	0	0	0	0	0		70	70	100
REST ROOM WOMEN	62	0	0	0	0	0	0	0		70	70	100
TOTAL								778			-	TOTAL

SAUCY, WILDWOOD

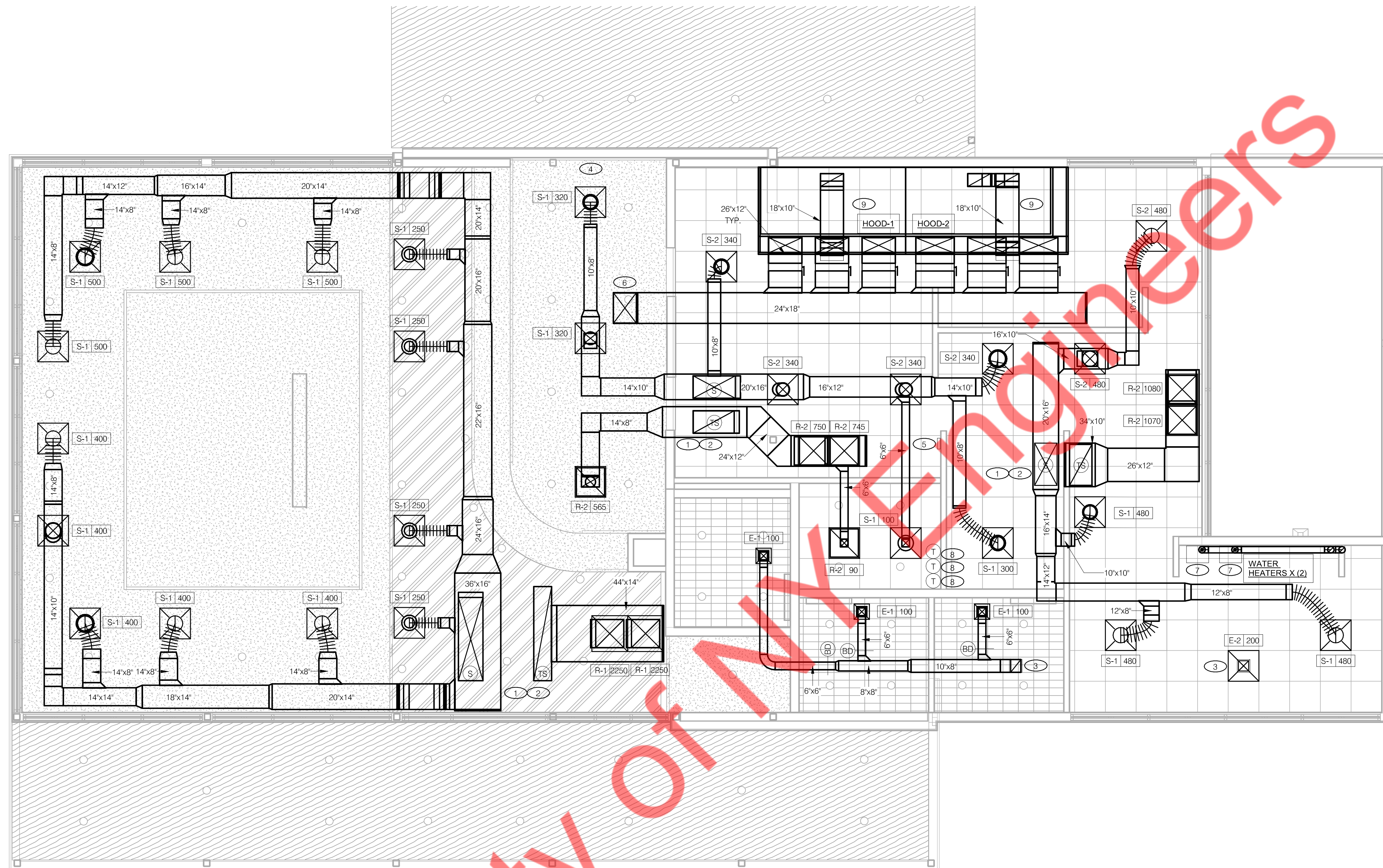
MECHANICAL SCHEDULES

M1.1

PLOT DATE:

VENTILATION SCHEDULE NTS

A



MECHANICAL FLOOR PLAN 1/4" = 1'-0" **A**

12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

1. PENETRATIONS OF THE AIR BARRIER SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. SEALING SHALL ALLOW FOR EXPANSION, CONTRACTION AND MECHANICAL VIBRATION. JOINTS AND SEAMS ASSOCIATED WITH PENETRATIONS SHALL BE SEALED IN THE SAME MANNER OR TAPED. SEALING MATERIALS SHALL BE SECURELY INSTALLED AROUND THE PENETRATION SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR THE PENETRATIONS' ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM WIND, STACK EFFECT AND MECHANICAL VENTILATION.
2. ALL EQUIPMENT AND MATERIALS WILL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND ACCORDING TO THE BEST PRACTICE.
3. PLUMBING WATER HEATER VENTS SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION MANUAL, LOCAL CODES AND AHJ. COORDINATE WITH PLUMBING CONTRACTOR FOR WATER HEATER LOCATIONS. ALL DUCTWORK SHALL BE COORDINATED WITH OTHER TRADES.
4. PROVIDE PROGRAMMABLE THERMOSTATS WITH SUB-BASE AND REMOTE TEMPERATURE SENSOR.
5. DUCTWORK LOCATED IN EXPOSED CEILING SHALL BE INTERNALLY INSULATED.
6. PROVIDE DOOR UNDERCUT FOR RESTROOM, MIN. 1/2" FOR MAKE-UP AIR.
7. ALL DUCT SIZES SHOWN ON MECHANICAL FLOOR PLANS ARE CLEAR INSIDE DIMENSIONS. INSULATION THICKNESS OF DUCTS SHALL BE CONSIDERED SEPARATELY.
8. PROVIDE ACOUSTICAL LINING FOR THE FIRST 10 FT OF SUPPLY AND RETURN DUCTWORK AS PER FRANCHISEE REQUIREMENTS.
9. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED SEISMIC AND STRUCTURAL SUPPORTS FOR ALL HVAC EQUIPMENT, DUCT, PIPING, ETC. FIELD VERIFY AND COORDINATE ALL REQUIREMENTS WITH AHJ.

GENERAL NOTES - MECHANICAL NTS **C**

1. EXTEND FULL SIZE SUPPLY AND RETURN DUCTWORK FROM ROOFTOP UNIT TO SPACE, EXTEND AS SHOWN. PROVIDE FIRE DAMPER AT ROOF PENETRATION AS REQUIRED BY LOCAL CODES.
2. MECHANICAL CONTRACTOR TO FURNISH AND INSTALL SMOKE DETECTOR IN THE SUPPLY AIR DUCT, IN ACCORDANCE WITH LOCAL CODES. DUCT SMOKE DETECTOR SHALL BE WIRED TO SHUT DOWN RESPECTIVE RTU UNDER FIRE CONDITIONS BY ELECTRICAL CONTRACTOR.
3. ROUTE EXHAUST DUCT UP TO THE ROOF.
4. PROVIDE AIR CURTAINS IF REQUIRED BY LOCAL CODE, HEALTH DEPARTMENT OR AHJ. VERIFY AIR CURTAIN MOUNTING LEVEL AS PER DOOR HEIGHT.
5. MANUAL PULL STATION FOR ANSUL FIRE SUPPRESSION SYSTEM. VERIFY WITH LOCAL AUTHORITY NUMBER OF PULLS, LOCATION AND HEIGHT ABOVE FINISHED FLOOR.
6. EXTEND FULL SIZE SUPPLY DUCTWORK FROM MAKE-UP AIR UNIT TO SPACE, EXTEND AS SHOWN. PROVIDE FIRE DAMPER AT ROOF PENETRATION AS REQUIRED BY LOCAL CODES.
7. INSTALL 3"Ø/5"Ø WATER HEATER CONCENTRIC VENT TO ROOF. ROUTE VENT PIPING FROM RESPECTIVE UNIT TO LOCATION INDICATED ON ROOF PLAN. ROUTE PIPING WITH MINIMAL AMOUNT OF BENDS AND MINIMUM LENGTH AS REQUIRED BY RESPECTIVE UNIT MANUFACTURER'S REQUIREMENTS. COORDINATE WITH PLUMBING CONTRACTOR.
8. PROVIDE THERMOSTAT IN MANAGER OFFICE. COORDINATE FINAL LOCATION WITH ARCHITECT. AVOID SOURCES OF HEAT.
9. PROVIDE GREASE CLEANOUTS WITHIN 10'-0" FROM ANY CHANGE IN DIRECTION AND NO MORE THAN 15'-0" BETWEEN CLEANOUTS OTHERWISE. GREASE DUCTS SHALL BE SLOPED NO LESS THAN 1/4" PER FOOT TOWARD THE HOOD.

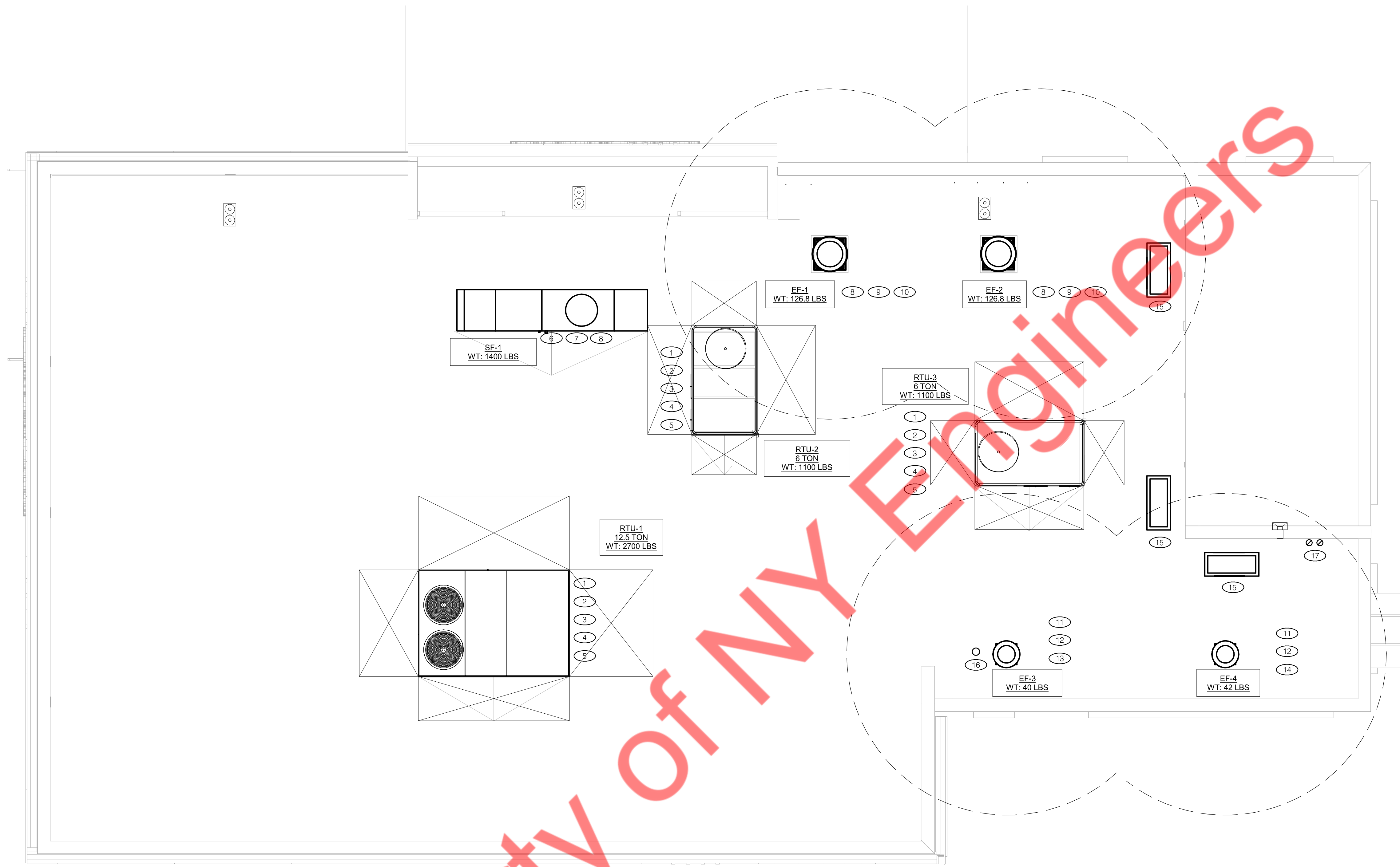
KEYNOTES - MECHANICAL NTS **B**

SAUCY, WILDWOOD

MECHANICAL FLOOR PLAN

M2.0

PLOT DATE:



MECHANICAL ROOF PLAN 1/4" = 1'-0" **A**

- | | |
|--|--|
| <ul style="list-style-type: none"> ① CONTRACTOR TO COORDINATE FINAL LOCATION OF EQUIPMENTS WITH STRUCTURAL DRAWINGS. ② PROVIDE RTU IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS. ③ EXTEND FULL SIZE SUPPLY AND RETURN DUCTWORK FROM ROOFTOP UNIT TO SPACE, EXTEND AS SHOWN. ④ PROVIDE 1" CONDENSATE PIPING FOR RTUS AND SF-1. TERMINATE CONDENSATE DRAIN TO OUTSIDE GREEN AREA WITH SPLASH BLOCK OR AT AN APPROVED LOCATION DETERMINED BY LOCAL AHJ. ⑤ ALL UTILITY PIPING FOR RTUS SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB. ⑥ EXTEND FULL SIZE SUPPLY DUCTWORK FROM MAKE-UP AIR UNIT (SF-1) TO SPACE, EXTEND AS SHOWN. ⑦ OUTDOOR AIR INTAKES SHALL BE LOCATED NOT LESS THAN 10 FEET FROM PROPERTY LINES, ADJACENT BUILDINGS, HAZARDOUS OR NOXIOUS SOURCES. ⑧ EF-1, EF-2 AND SF-1 TO BE INTERLOCKED WITH HOOD OPERATION. ⑨ PROVIDE TYPE I EXHAUST FAN IN LOCATION AS SHOWN PLANS. CONNECT 18"x10" EXHAUST DUCT FROM EXHAUST HOOD UP TO EF-1 AND EF-2 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT. ⑩ COORDINATE EXHAUST FAN LOCATION WITH ROOFTOP UNIT. EXHAUST TERMINATION ABOVE ROOF SHALL BE LOCATED NOT LESS THAN 40 INCHES ABOVE THE ROOF SURFACE. EXHAUST TERMINATION SHALL BE LOCATED NOT LESS THAN 10 FEET FROM PROPERTY LINES, ADJACENT BUILDINGS, AND MECHANICAL AIR INTAKES, AND NOT LESS THAN 10 FEET ABOVE ADJOINING GRADE. TERMINATION SHALL BE NOT LESS THAN 3 FEET ABOVE AIR INTAKES OR 5 FEET HORIZONTALLY WHERE EXHAUST IS DIRECTED AWAY. | <ul style="list-style-type: none"> ⑪ PROVIDE EXHAUST FAN IN LOCATION AS SHOWN ON PLANS. CONNECT EXHAUST DUCT FROM RESTROOM EXHAUST GRILLES TO EF-3 & EF-4 ON ROOF. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT. ⑫ EX-HAUST TERMINATION SHALL BE LOCATED NOT LESS THAN 3 FEET FROM THE PROPERTY LINES, 3 FEET FROM OPERABLE OPENINGS INTO BUILDINGS AND 10 FEET FROM MECHANICAL AIR INTAKES. ⑬ EF-3 TO BE INTERLOCKED WITH TIMECLOCK. ⑭ EF-4 TO BE INTERLOCKED WITH RTU-3. ⑮ CONDENSING UNIT SERVING WALK-IN COOLER/FREEZER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS. ⑯ PLUMBING VENT TO BE TERMINATED ON THE ROOF WITH MANUFACTURERS RECOMMENDED TERMINATION KIT. ⑰ WATER HEATER VENT TO BE TERMINATED ON THE ROOF WITH MANUFACTURERS RECOMMENDED TERMINATION KIT. |
|--|--|

KEYNOTES - MECHANICAL ROOF PLAN NTS **B**

SAUCY, WILDWOOD

MECHANICAL ROOF PLAN

M2.1

PLOT DATE:

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST COLLAR(S)				SUPPLY		HANGING WEIGHT LBS.	SECTION LOCATION		
			LENGTH	WIDTH	HEIGHT			TOTAL CFM	WIDTH	LENGTH	DIA.	CFM	S.P.			MUA CFM	AC CFM
1	H-1	XBEW-115-S	115	54	24	430 SS WHERE EXPOSED	HEAVY	1888	10	18		1888	0.38	1615		347	LEFT
2	H-1	XBEW-115-S	115	54	24	430 SS WHERE EXPOSED	HEAVY	1888	10	18		1888	0.38	1783		581	RIGHT

HOOD INFORMATION

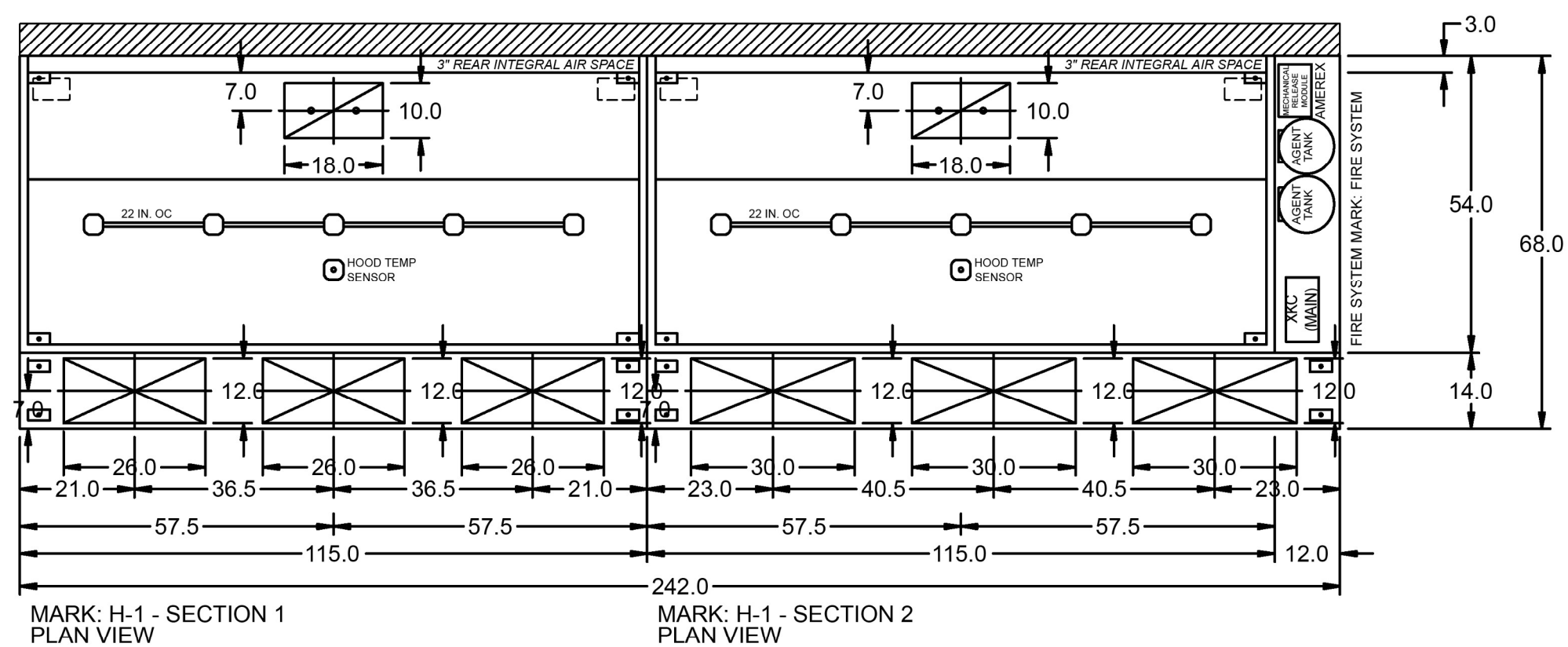
HOOD NO.	MARK	LIGHTING DETAILS			GREASE FILTRATION DETAILS			UTILITY CABINET(S)					
		FIXTURE TYPE	BULB / LAMP INFO	QTY	FOOT CANDLES	TYPE / MODEL MATERIAL	QTY	SIZE (IN.)	LOCATION	FIRE SYSTEM TYPE	SIZE	MODEL	CONTROLS INTERFACE
1	H-1	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	5	47.81	BAFFLE STAINLESS STEEL	2	16	20	WALL			
2	H-1	INCANDESCENT (GLOBE)	100W A19 (BULBS NOT INCL.)	5	47.81	BAFFLE STAINLESS STEEL	2	16	20	RIGHT	AMEREX KP	7.5	XKC

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.)			INSULATED	DAMPER(S)	LED LIGHT(S)		TOTAL CFM	TOTAL S.P.	COLLARS									
				L	W	H			SUPPLIED	QTY			TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.		
1	H-1	FRONT	ASP	115	14	4	YES	YES	NO		1615	0.01	MUA	FACTORY	3	12	26				538	248
2	H-1	FRONT	ASP	127	14	4	YES	YES	NO		1783	0.01	MUA	FACTORY	3	12	30				594	238

HOOD OPTIONS

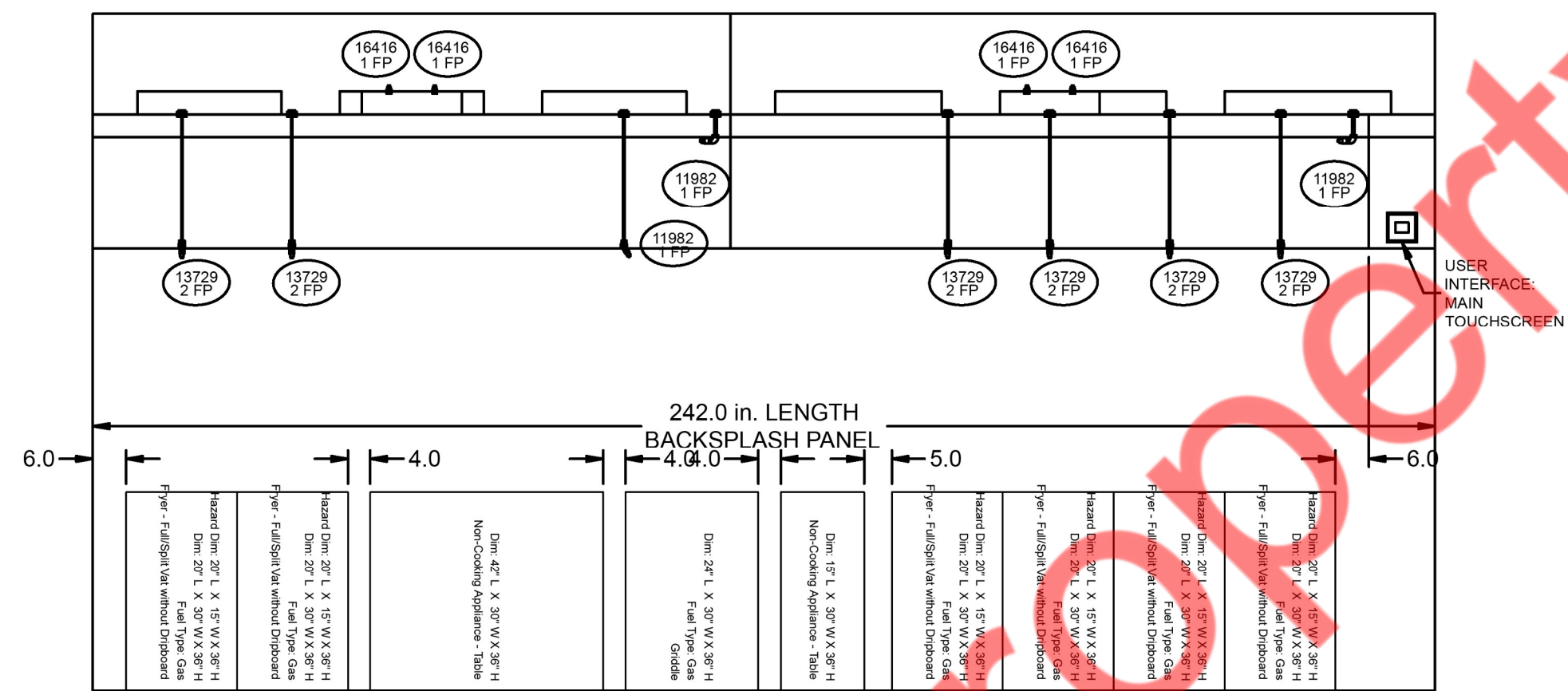
UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
 BACK INTEGRAL AIR SPACE - 3 IN WIDE
 18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED
 CONTINUOUS CAPTURE
 FACTORY MOUNTED EXHAUST COLLAR(S)
 WALL UTILITY CABINET 24 IN HIGH 48 IN LONG 12 IN WIDE
 BACKSPASH 80.00 IN HIGH 242.00 IN LONG
 PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
 STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



MARK: H-1 - SECTION 1
PLAN VIEW

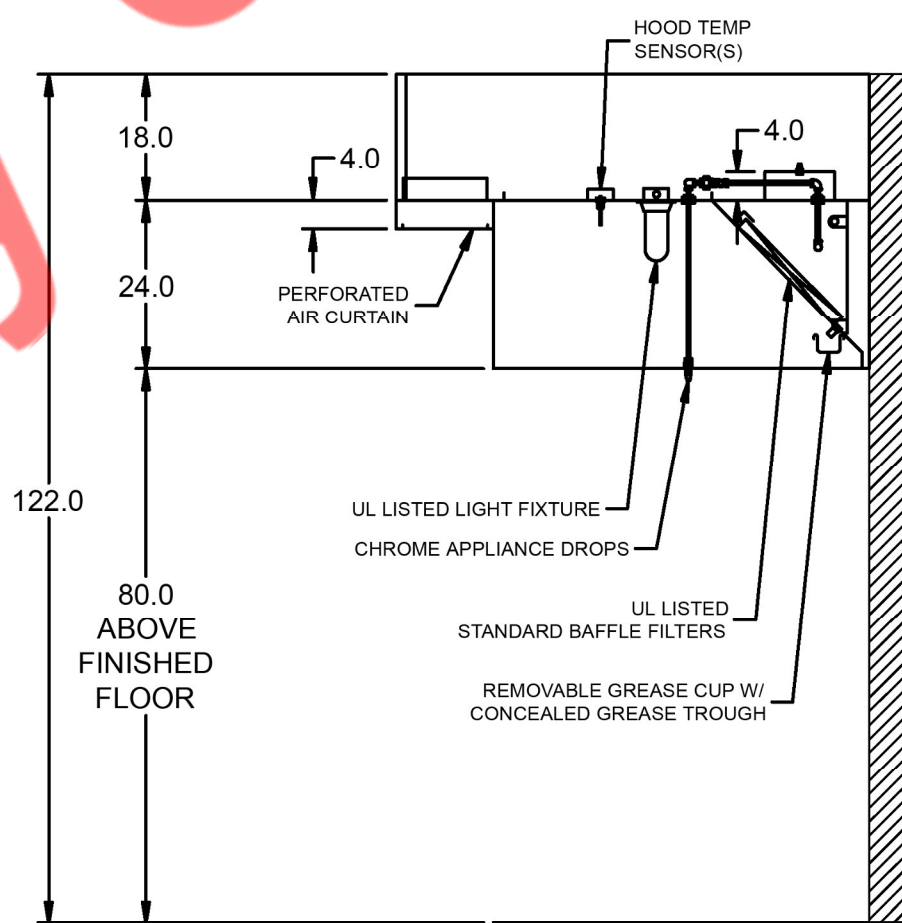
MARK: H-1 - SECTION 2
PLAN VIEW

UTILITY CABINET
 FIRE (PIPING/DROPS/NOZZLES ETC.)
 SUBJECT TO CHANGE, AS-BUILT
 DRAWINGS CAN BE PROVIDED AT
 TIME OF ORDER AND INCLUDED
 WITH PRODUCT SHIPMENT.

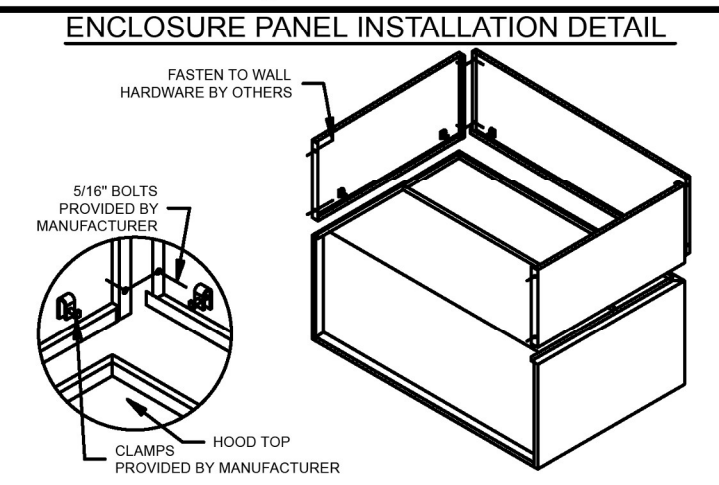
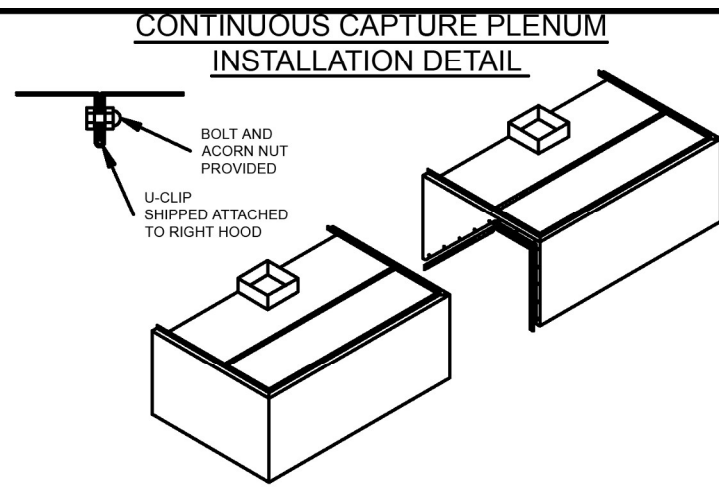
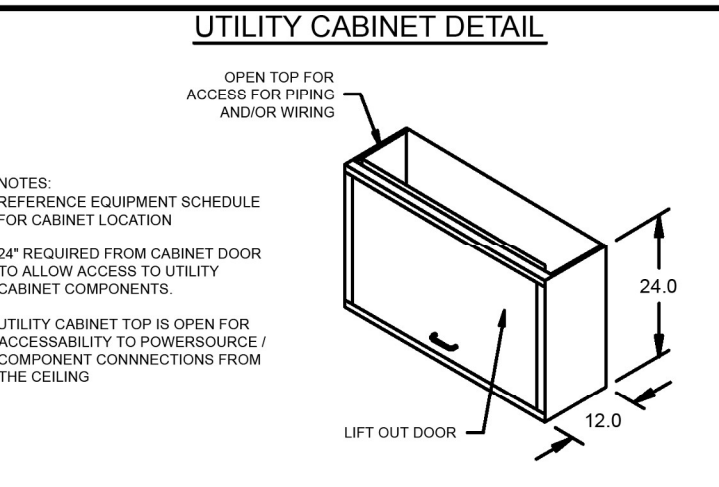
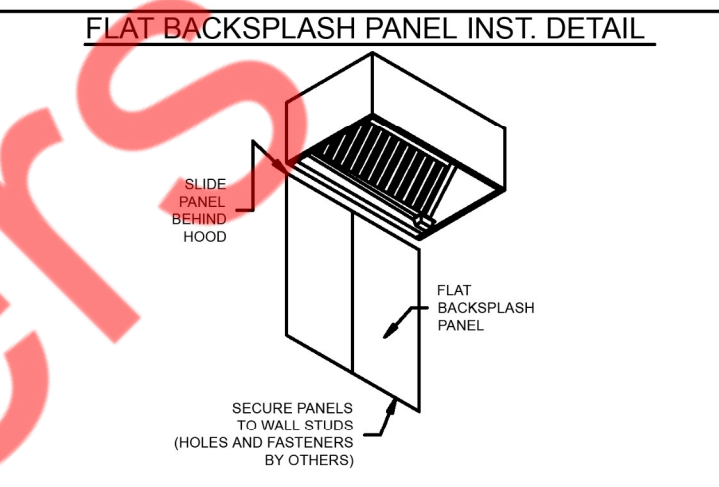
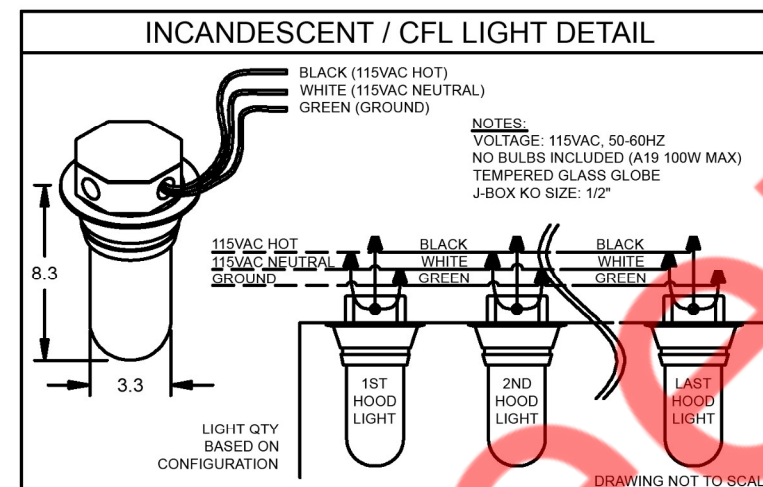


MARK: H-1 - SECTION 1
ELEVATION VIEW

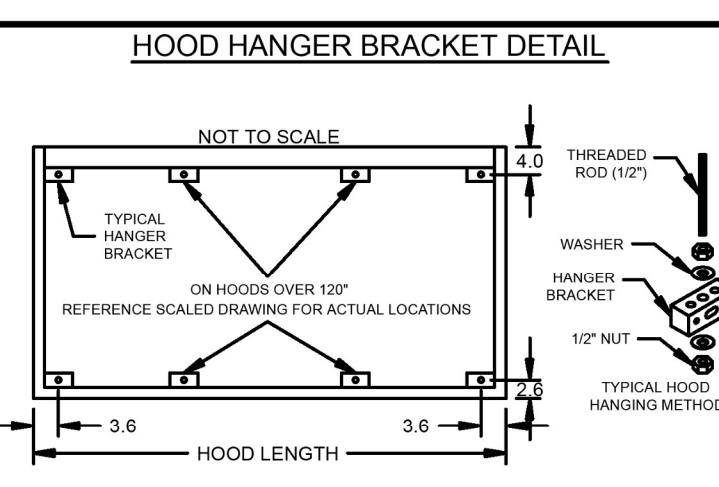
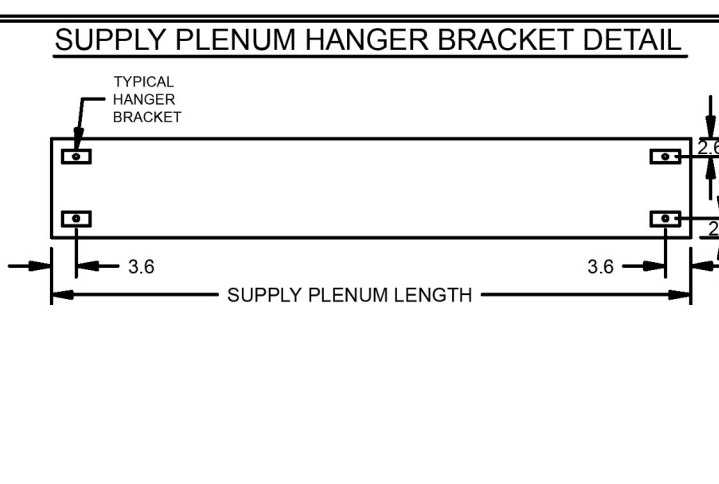
MARK: H-1 - SECTION 2
ELEVATION VIEW



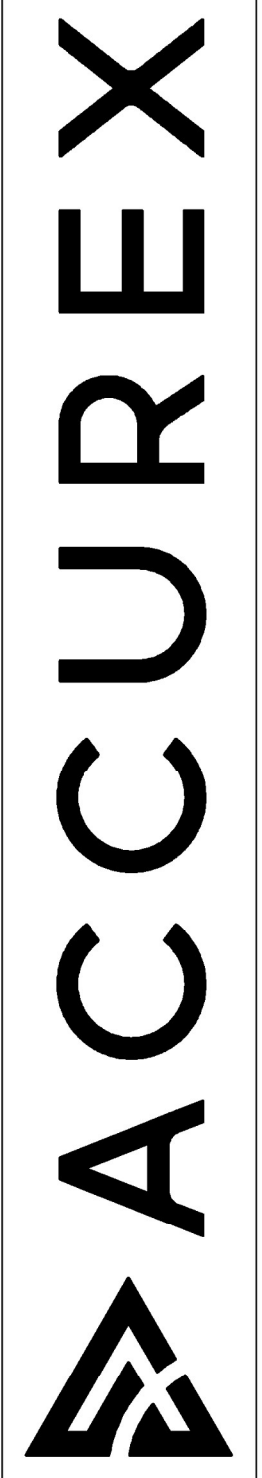
MARK: H-1 (LAST HOOD IN ROW)
SECTION VIEW



HOOD HANGING HEIGHT FOR FIRE SYSTEMS
 VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.
 RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.
 OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.



PROJECT: KFC WILDWOOD SAUCY RR (1)
 4/25/2025
 MARK: H-1
 ACCUREX FL PANHANDLE AL MSLA
 TONY MONJURE
 TONY.MONJURE@ACCUREX.COM
 (850)777-7005



SAUCY, WILDWOOD

HOOD DETAILS
(1 OF 6)

M3.0

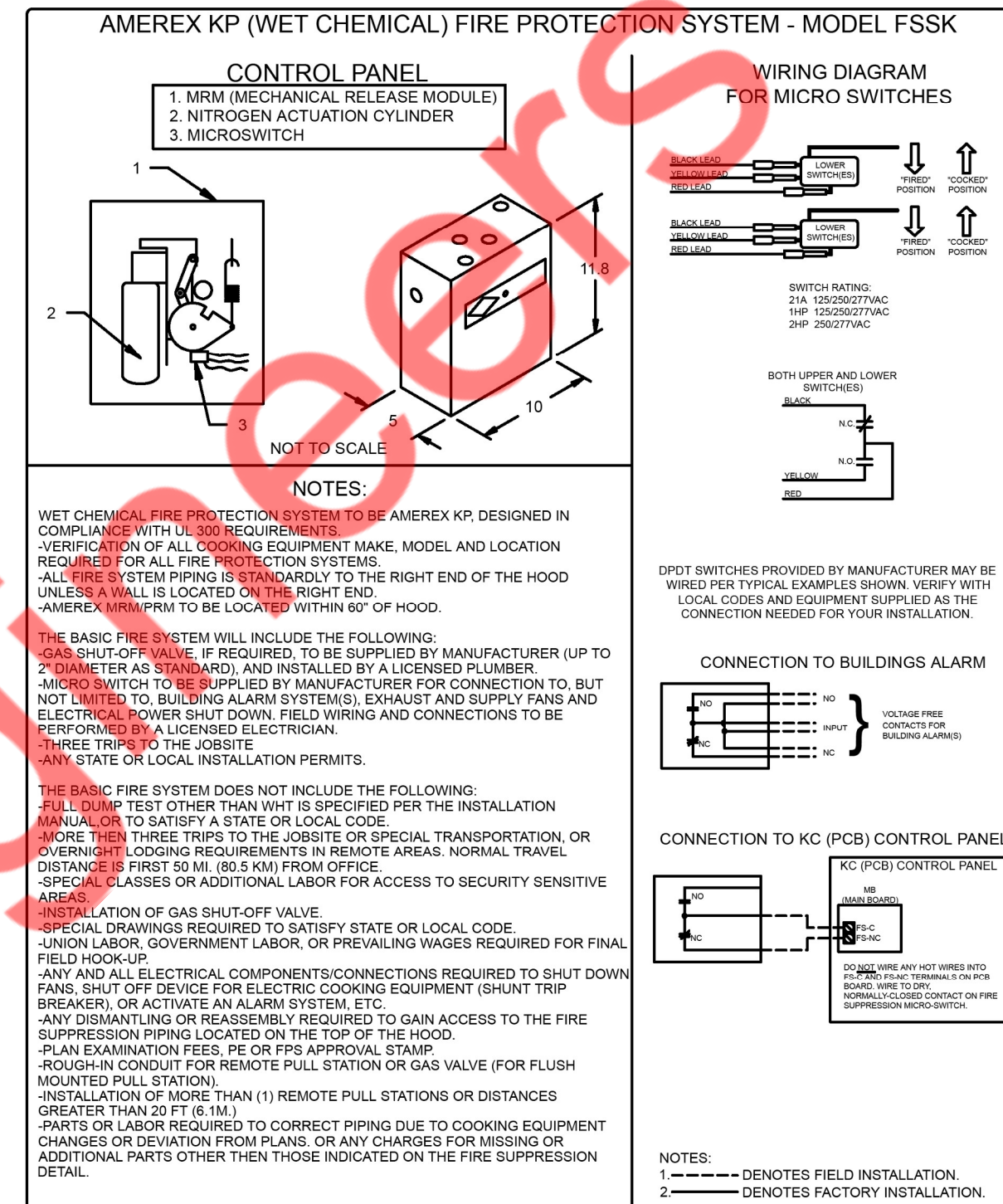
PLANT DATE:

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW POINTS		SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
			HOODS	PCU			
FIRE SYSTEM	AMEREX KP WET CHEMICAL	CABINET – RIGHT END OF H-1	19 UTILIZED 22 AVAILABLE		CONTINUOUS	FUSIBLE LINK	H-1 SECTION 1 H-1 SECTION 2

FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
 CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
 METAL BLOW-OFF CAPS - INCLUDED
 GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2.00" (AMEREX) - PART# 468830
 HOOD SUPPRESSION TANK - INCLUDED - 7.5 GAL. - (2) 3.75 TANK(S)
 REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS



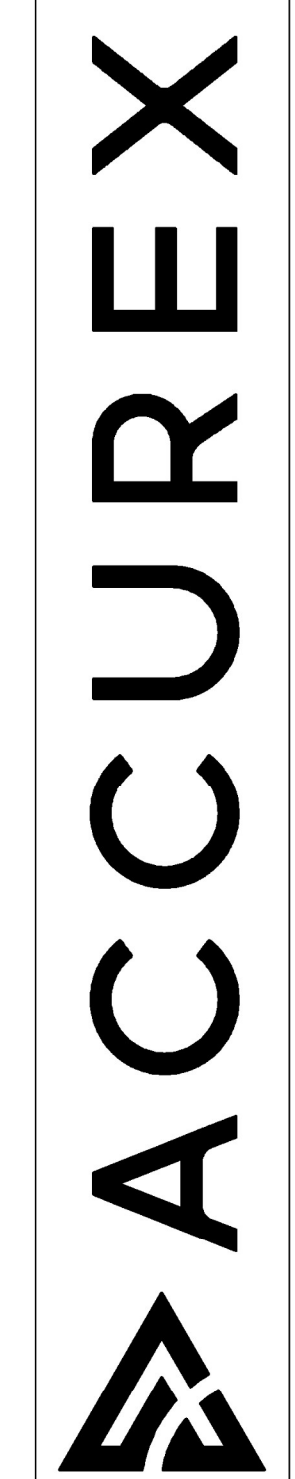
Property of NY End

UL NSF
CONFORMS TO LISTING E-158

FIRE SYSTEM

PROJECT
 4/25/2025 **KFC WILDWOOD SAUCY RR (1)**

MARK
 ACCUREX FL PANHANDLE AL MSLA
 TONY MONJURE
 TONY.MONJURE@ACCUREX.COM
 (850)777-7005



SAUCY, WILDWOOD

HOOD DETAILS
 (2 OF 6)

M3.1

PLOT DATE:

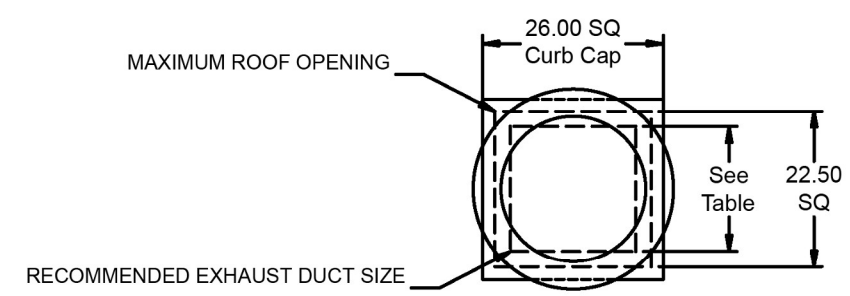
Direct Drive Upblast Centrifugal Roof Exhaust Fan

MARK INFORMATION		FAN INFORMATION							SOUND INFORMATION					MOTOR INFORMATION										
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
EF-SECTION-1	1	XCUE-140-VG	Direct	1,888	0.82	0.82	1,408	1,097.67	1.48	126.8	62.36	11.68	0	0	0	0.52	1	0	TF	208	60	3	VariGreen	4.6

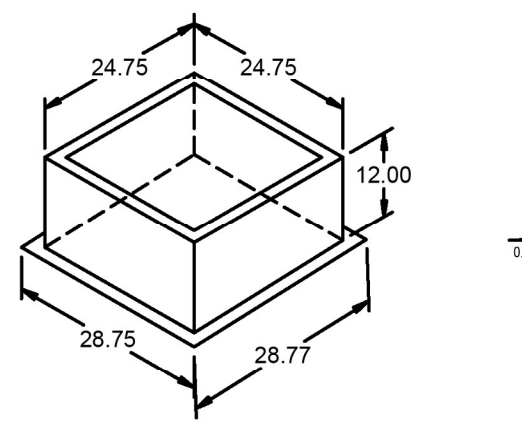
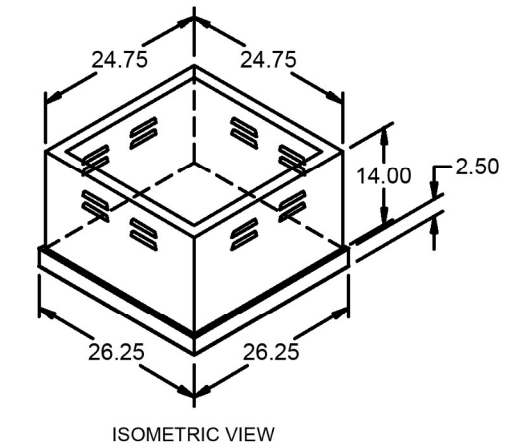
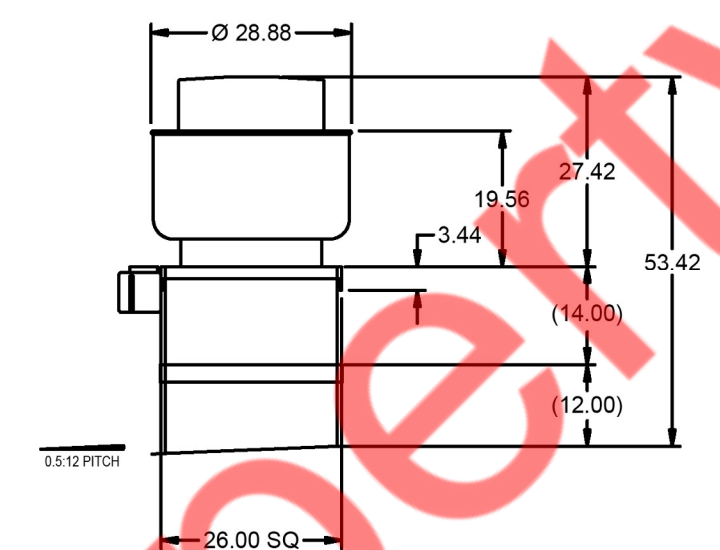
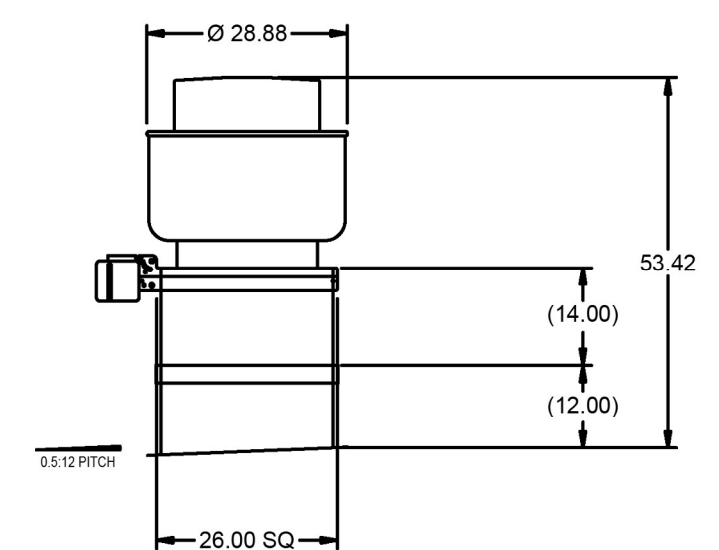
*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"

EF-SECTION-1: SELECTED OPTIONS AND ACCESSORIES

- One piece fully welded windband
- Tapered bushing wheel hub
- Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95)
- Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480)
- Larger Curb Cap Size - 26 Square
- UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762)
- Switch, NEMA-3R, Toggle,
- Curb Extension-Galv., VCE-26-G14, Shipped Loose From Factory
- Hinge, Factory Installed
- High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached)
- Fastener Material: Stainless
- Grease Trap (PN 475538)
- Aluminum Wheel Material



DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ



DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.
OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

UL NSF
CERTIFIED LISTED

PROJECT: 4/25/2025
MARK: EF-SECTION-1

KFC WILDWOOD SAUCY RR (1)

ACCUREX FL PANHANDLE AL. MS LA
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ACCUREX

SAUCY, WILDWOOD

HOOD DETAILS
(3 OF 6)

M3.2

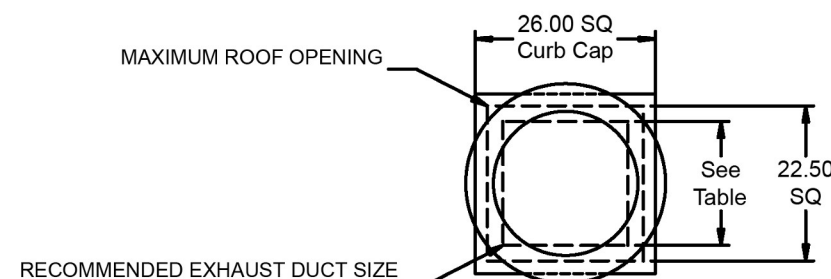
PLOT DATE:

Direct Drive Upblast Centrifugal Roof Exhaust Fan

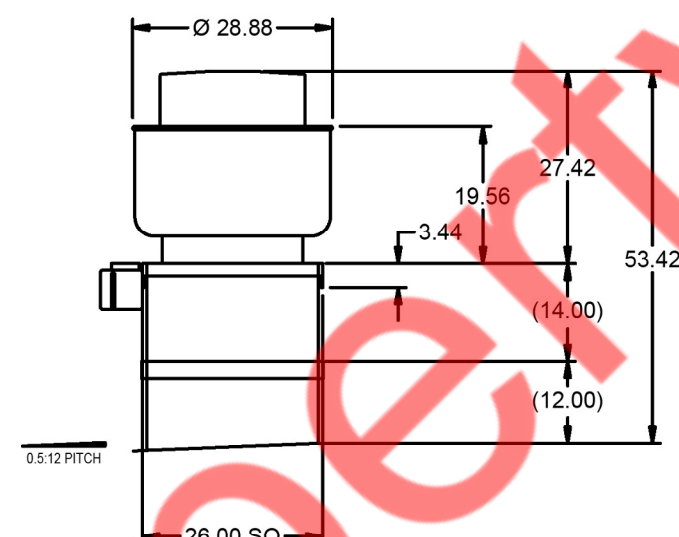
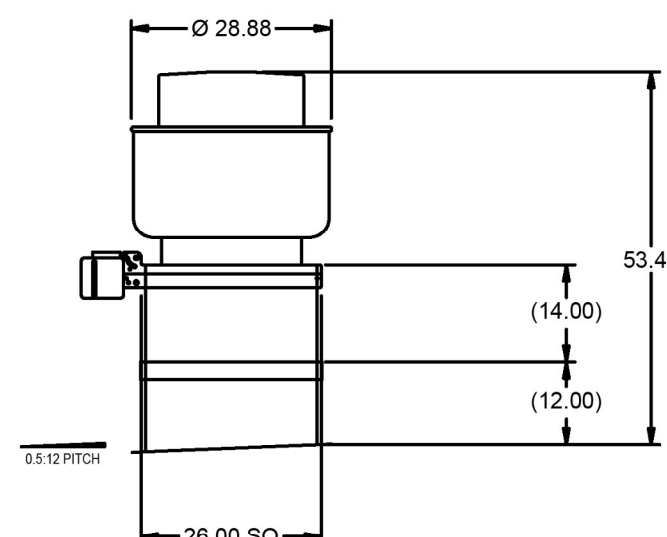
MARK INFORMATION		FAN INFORMATION										SOUND INFORMATION					MOTOR INFORMATION							
MARK	QTY	MODEL	DRIVE TYPE	VOLUME (CFM)	EXTERNAL SP (IN. WG)	TOTAL EXTERNAL SP (IN. WG)	FAN SPEED (RPM)	OUTLET VELOCITY (FT/MIN)	FEI	TOTAL WEIGHT (LB)	INLET dBA	INLET SONES	INLET SONES (SPHERICAL)	OUTLET dBA	OUTLET SONES	OPERATING POWER (HP)	MOTOR SIZE (HP)	FEP INPUT POWER (KW)	ENCLOSURE	VOLTAGE	CYCLE	PHASE	EC MOTOR	NEC FLA*
EF-SECTION-2	1	XCUE-140-VG	Direct	1,888	0.82	0.82	1,408	1,097.67	1.48	126.8	62.36	11.68	0	0	0	0.52	1	0	TF	208	60	3	VariGreen	4.6

*NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory

EF-SECTION-2 : SELECTED OPTIONS AND ACCESSORIES
One piece fully welded windband Tapered bushing wheel hub Breather tube outlet area min. 4.4 sq. in. (sizes 99-480), 2.0 sq. in. (sizes 60-95) Min. windband material thickness: 0.051" aluminum (060-240), 0.064" aluminum (240HP, 240XP), 0.080" aluminum (sizes 300-480) Larger Curb Cap Size - 26 Square UL/cUL 705 Listed - Supplement SC - "Power Ventilators for Restaurant Exh. Appliances" (Formerly UL 762) Switch, NEMA-3R, Toggle Curb Extension-Galv., VCE-26-G14, Shipped Loose From Factory Hinge, Factory Installed High Temp Curb Seal Rated for Continuous Duty at 1500 F (Factory Attached) Fastener Material: Stainless Grease Trap (PN 475538) Aluminum Wheel Material

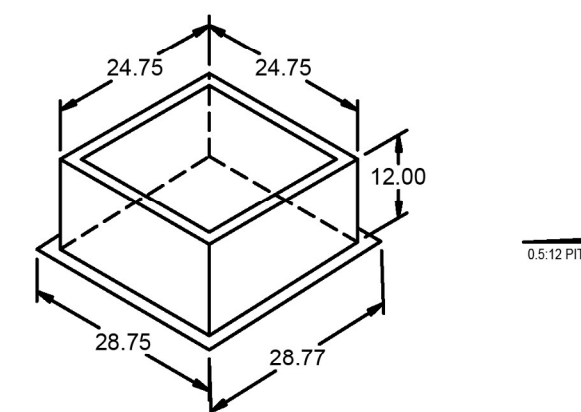
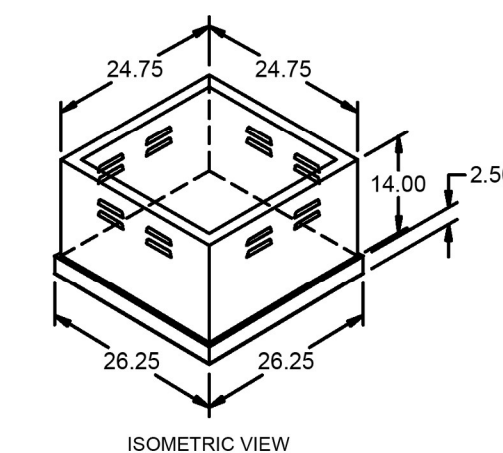


DUCT TYPE	SIZE
STANDARD	18 SQ
FIRE-WRAPPED	12 SQ

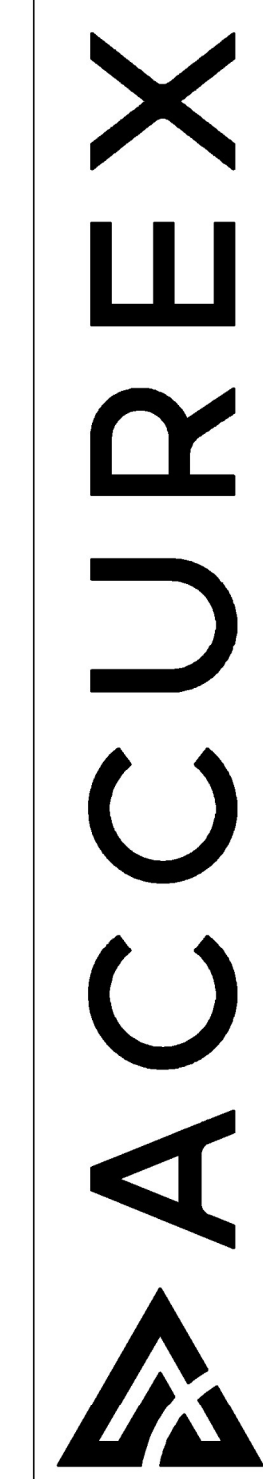


DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE



PROJECT: 4/25/2025
 MARK: EF-SECTION-2
 KFC WILDWOOD SAUCY RR (1)
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SAUCY, WILDWOOD

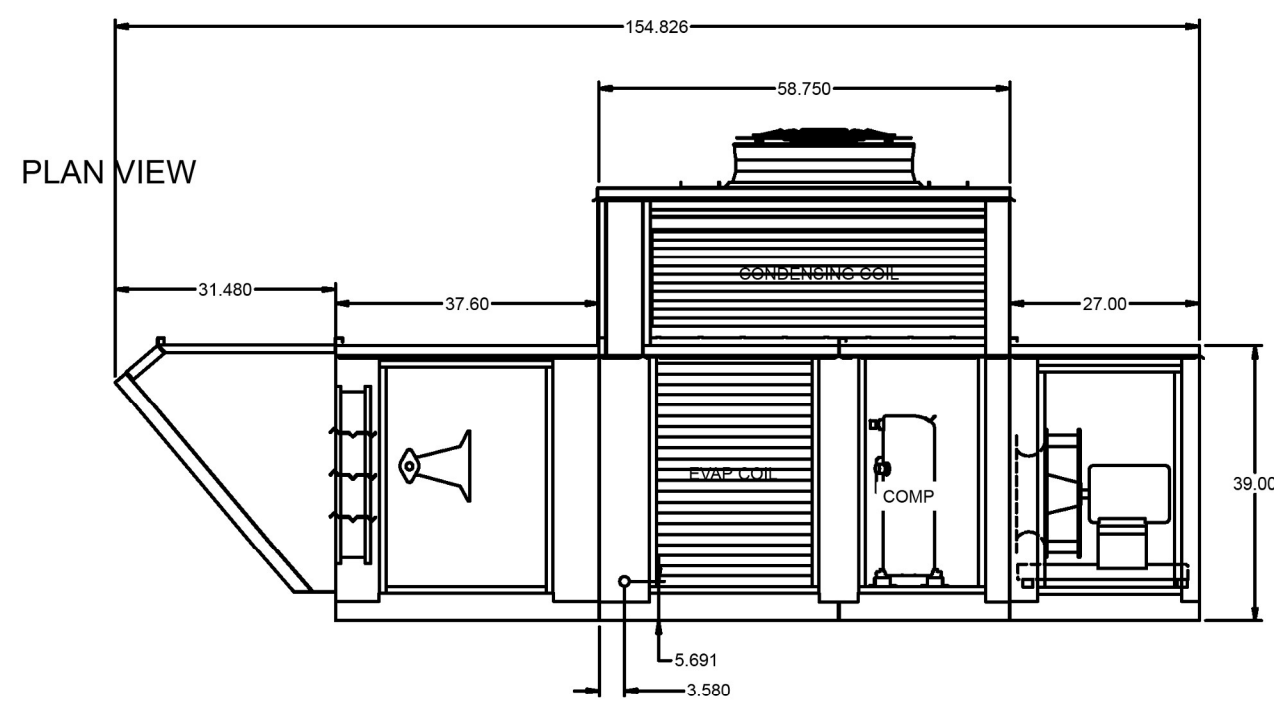
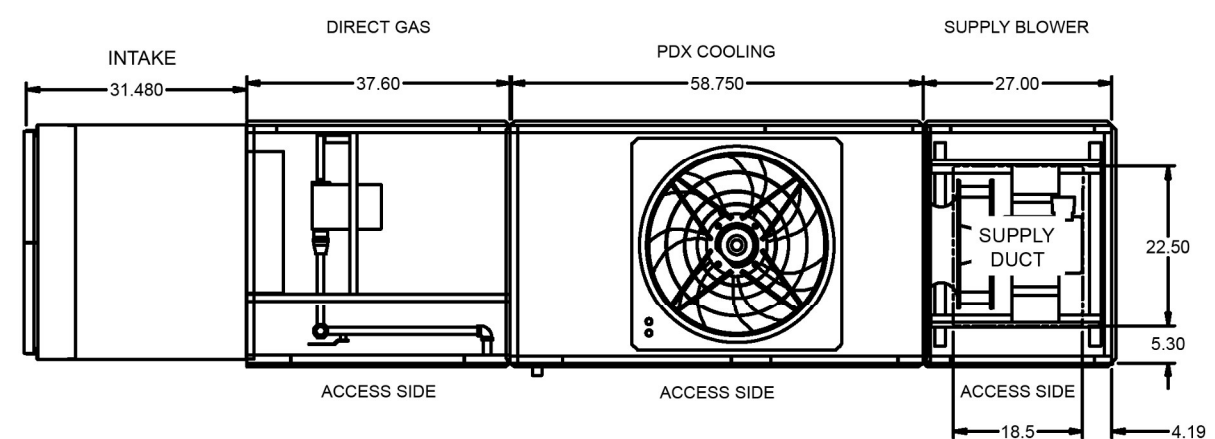
HOOD DETAILS (4 OF 6)

M3.3

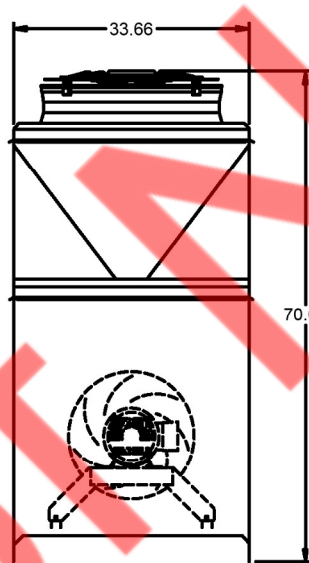
PLOT DATE:

EQUIPMENT SCHEDULE											
Tempered Make-Up Air Unit Mark: SF-1											
Qty	Accurex Model	Volume	External SP	Total SP	MCA	MCP	Weight	SCCR			
1	XDX-P16-H12-D1.5	3,398 CFM	0.75 in. wg	1,948 in. wg	37.6	50	1,396 lb	5kA			
Motor Information											
Size	V/CP	Enclosure	Motor with shaft Counting	Motor RPM	Operating Power						
3 hp	208/60/3	ODP	No	1800	1.88 hp						
Heating											
Type	Gas Type	Temperature	Energy	Efficiency	Connector Gas (IN)	Building Gas Pressure	Control Access	Gas Pressure			
Direct Gas	Natural	Winter DB Max Δ 33.8 F Summer DB Max Δ 38.2 F	Max LAT 72.0 F	152.4 MBH 140.2 MBH	92%	3/4"	1/2 PSI Right Hand	Min 7 in. Max 0.5 PSI			
Cooling											
Cooling Type	Coil Model	Rows Deep	Face Velocity	Total Energy	Sensible Energy	Entering Air (F)	Leaving Air (F)				
Packaged DX	DX38S02S10-30x30	2	10	544 Btu/h 69.9 MBH	67.2 MBH	93.3 F	77.2 F	73.9 F	72.0 F		
Col SP	Refrigerant	Suction Temp	Liquid Temp	Super Heat	Code	Suction Conn Qty / Size	Liquid Conn Qty / Size				
NA	R-454B	56.2 F	110 F	8 F	0	NA	NA				
Outlet Sound Power By Octave Band											
62.5	125	250	500	1000	2000	4000	8000	LWA	dBA	Sones	
78	74.2	80.4	79.6	83.1	76.5	72.3	67.9	85.4	74.4	25	

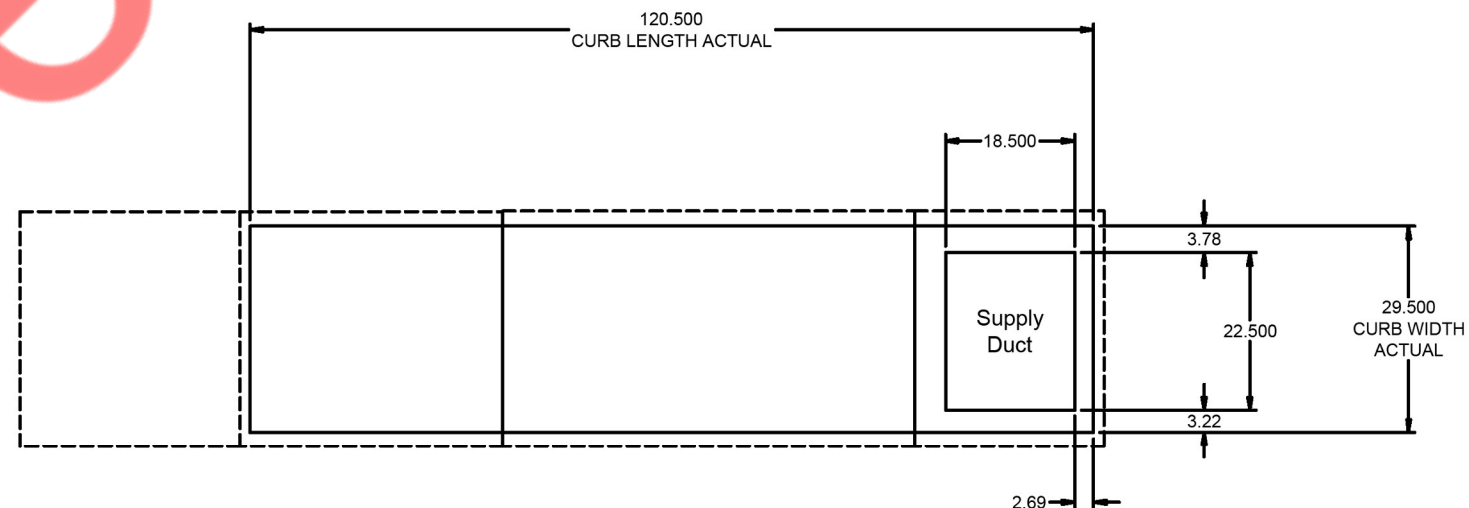
OPTIONS AND ACCESSORIES	
Make Up Air	Hot Gas Bypass
Air Flow Arrangement: Outdoor Air Only	Weatherhood: Aluminum Mesh, 16x20x2 - (4)
Damper: Inlet	Outdoor Air Intake Position: End
Discharge Position: Bottom	Coating: Galvanized
Cooling Coil Coating: None	Insulation: Double Wall - Tempering On
Supply Fan Control: VFD	VFD Control: Constant Volume
Hinged Access	Access Side: Right-Hand
Unit Weight: 1396 lb	Control Cabinet
Freeze Protection	Heat Inlet Air Sensor
Cool Inlet Air Sensor	Unit Controls: Microprocessor
Temperature Control: Discharge	



ELEVATION VIEW



END VIEW



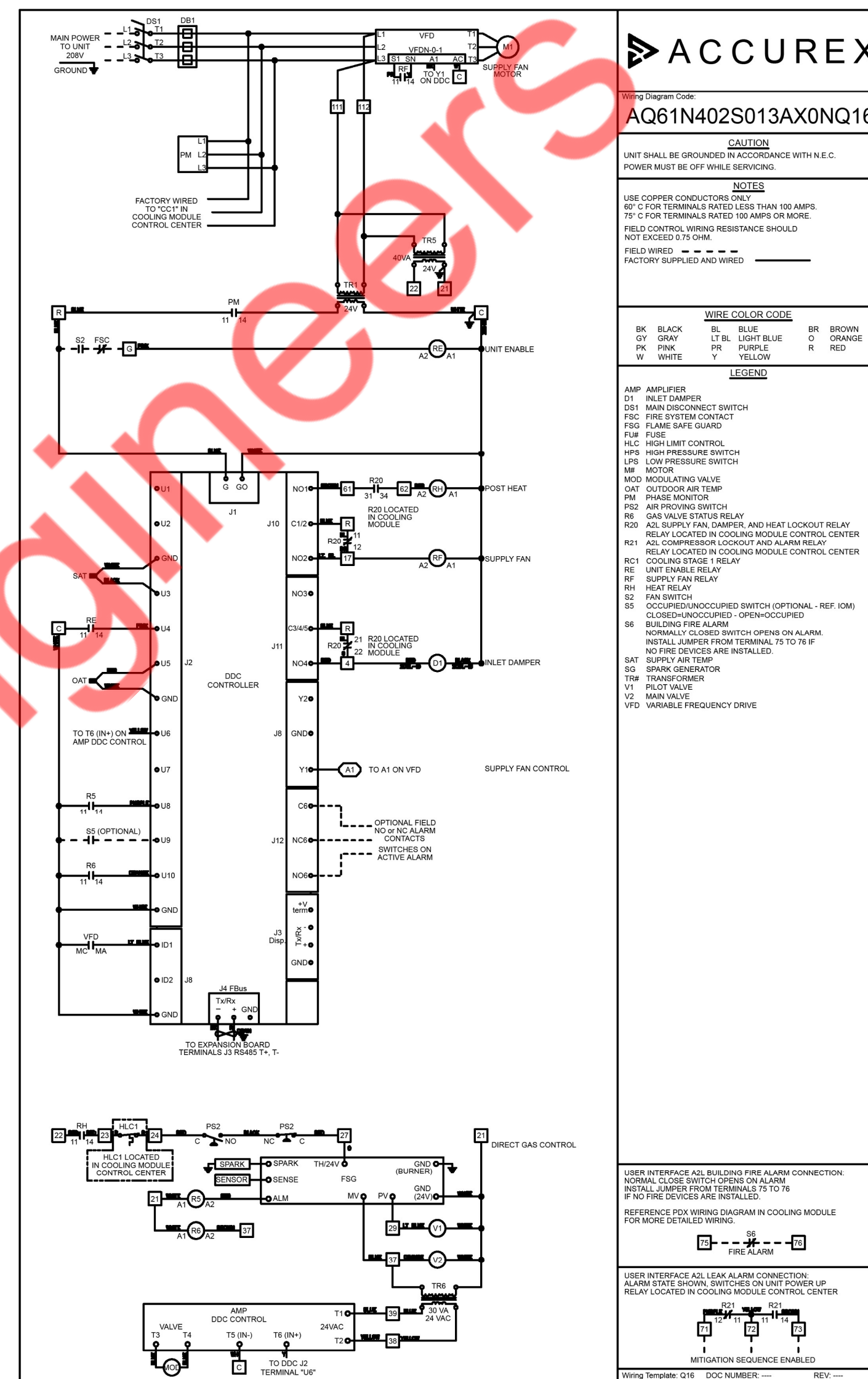
FOOTPRINT

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 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb. For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb. This is by design, in order to help alleviate water infiltration issues.



ACCUREX

Wiring Diagram Code: AQ61N402S013AX0NQ16

CAUTION: UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES: USE COPPER CONDUCTORS ONLY. 80°C FOR TERMINALS RATED LESS THAN 100 AMPS. 75°C FOR TERMINALS RATED 100 AMPS OR MORE. FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.5 OHM. FIELD WIRING - FACTORY SUPPLIED AND WIRED.

WIRE COLOR CODE: BK BLACK, BR BROWN, GR GRAY, LT BL LIGHT BLUE, PK PINK, W WHITE, BL BLUE, LT BL LIGHT BLUE, O ORANGE, P PURPLE, R RED, Y YELLOW.

LEGEND: AMP AMPLIFIER, DI INLET DAMPER, DS1 DISCONNECT SWITCH, FSC FIRE SYSTEM CONTACT, FSG FLAME SAFE GUARD, FIP FIRE, HLC HIGH LIMIT CONTROL, HPS HIGH PRESSURE SWITCH, LPS LOW PRESSURE SWITCH, IM IMMOBILIZER, MCV MODULATING VALVE, OAT OUTDOOR AIR TEMP, PE PRESSURE SWITCH, P22 AIR PROOFING SWITCH, P23 GAS VALVE SYSTEM RELAY, P24 AZI SUPPLY FAN, DAMPER AND HEAT LOCKOUT RELAY, P25 RELAY LOCATED IN COOLING MODULE CONTROL CENTER, P26 AZI COMPRESSOR LOCKOUT AND ALARM RELAY, P27 RELAY LOCATED IN COOLING MODULE CONTROL CENTER, P28 COOLING FAN RELAY, P29 LIMIT ENABLE RELAY, P30 SUPPLY FAN RELAY, P31 HEAT RELAY, P32 FAN SWITCH, P33 OCCUPIED/UNOCCUPIED SWITCH (OPTIONAL - REF. IOW), P34 OCCUPIED/UNOCCUPIED - OPEN/OCCUPIED, P35 BUILDING FIRE ALARM, P36 NORMALLY CLOSED SWITCH OPENS ON ALARM, P37 INSTALL DAMPER FROM TERMINAL T5 TO T6 IF NO FIRE DEVICES ARE INSTALLED, P38 SUPPLY FAN TEMP, P39 SPARK GENERATOR, P40 TRANSFORMER, P41 FLYCUT VALVE, P42 MARK VALVE, P43 VARIABLE FREQUENCY DRIVE.

USER INTERFACE AZI BUILDING FIRE ALARM CONNECTION: NORMAL CLOSED SWITCH OPENS ON ALARM. INSTALL DAMPER FROM TERMINALS T5 TO T6 IF NO FIRE DEVICES ARE INSTALLED. REFERENCE PDX WIRING DIAGRAM IN COOLING MODULE FOR MORE DETAILED WIRING.

USER INTERFACE AZI LEAK ALARM CONNECTION: ALARM DEVICE (SHOWN) OPENS ON LEAK TO PRESS UP RELAY LOCATED IN COOLING MODULE CONTROL CENTER. MITIGATION SEQUENCE ENABLED. WIRING SYMBOL: G18 - DDC NUMBER - REV -

PROJECT: 4/25/2025 KFC WILDWOOD SAUCY RR (1)

ACCUREX EL PANHANDLE AL MS LA TONY MONJURE TONY.MONJURE@ACCUREX.COM (850)777-7005

ACCUREX

SAUCY, WILDWOOD

HOOD DETAILS (5 OF 6)

M3.4

PLANT DATE:

CONTROL INFORMATION

MARK	MAIN ELECTRICAL CONTROL PACKAGE		MAIN USER INTERFACE		FANS CONTROLLED											
	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
CONTROLS	XKC-CV-S-21-2-1-0	RIGHT CABINET ON H-1	FULL COLOR TOUCHSCREEN	CABINET - RIGHT CABINET ON H-1	1	EXHAUST	E1	EF-SECTION-1	1	1888	1	208	60	3	NO	NO
					2	EXHAUST	E2	EF-SECTION-2	1	1888	1	208	60	3	NO	NO
					3	SUPPLY	S1	SF-1	1	3398	3	208	60	3	NO	NO

CONTROL FEATURES

HOOD LIGHT CONTROL
 TEMP SENSORS (FACTORY INSTALLED) - QTY. 2
 DRY FIRE CONTACTS - QTY. 1
 LIGHTS OFF DURING FIRE
 EXHAUST MAX DURING FIRE
 SUPPLY OFF DURING FIRE



DOC NUMBER: ---- REV: ----

CAUTION
 UNIT MUST BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

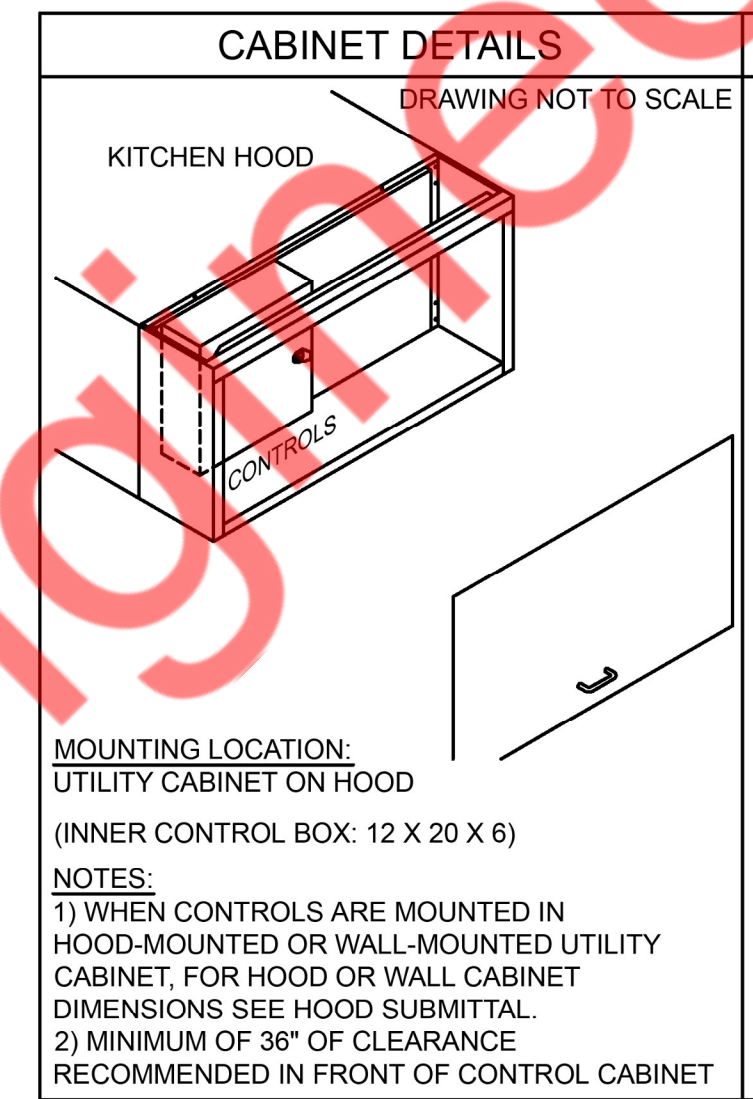
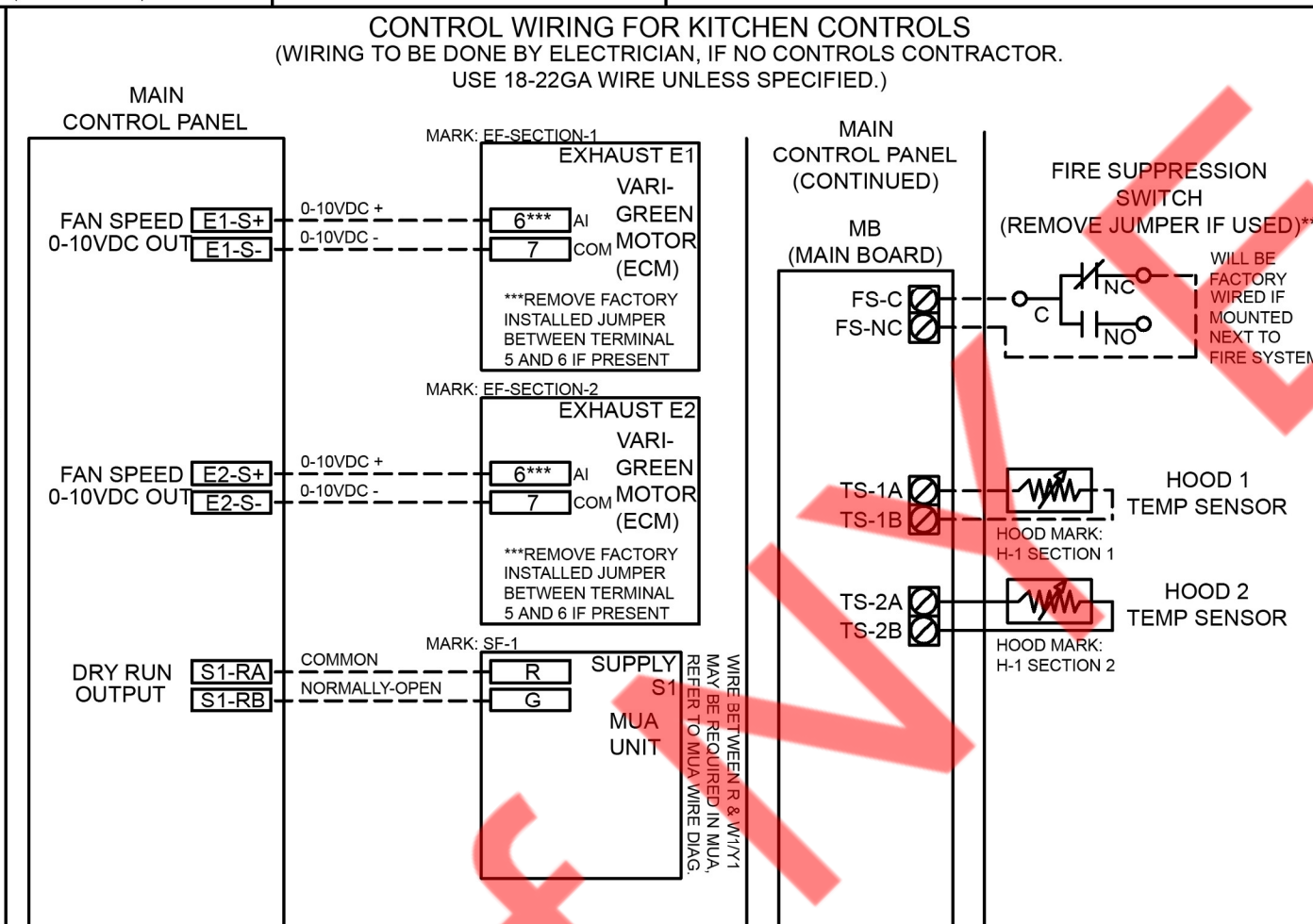
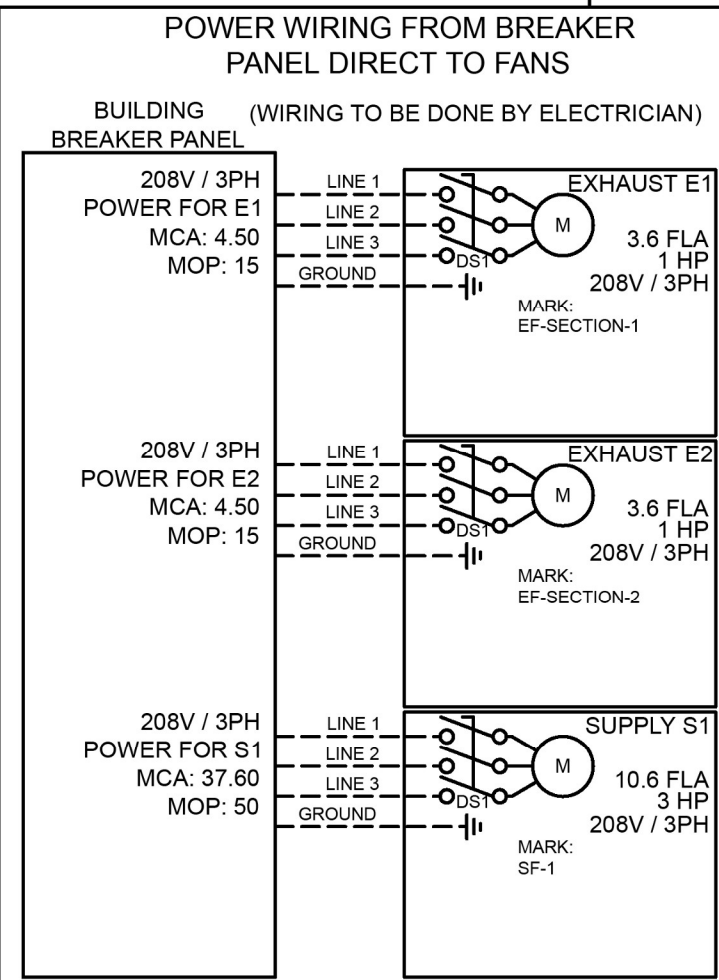
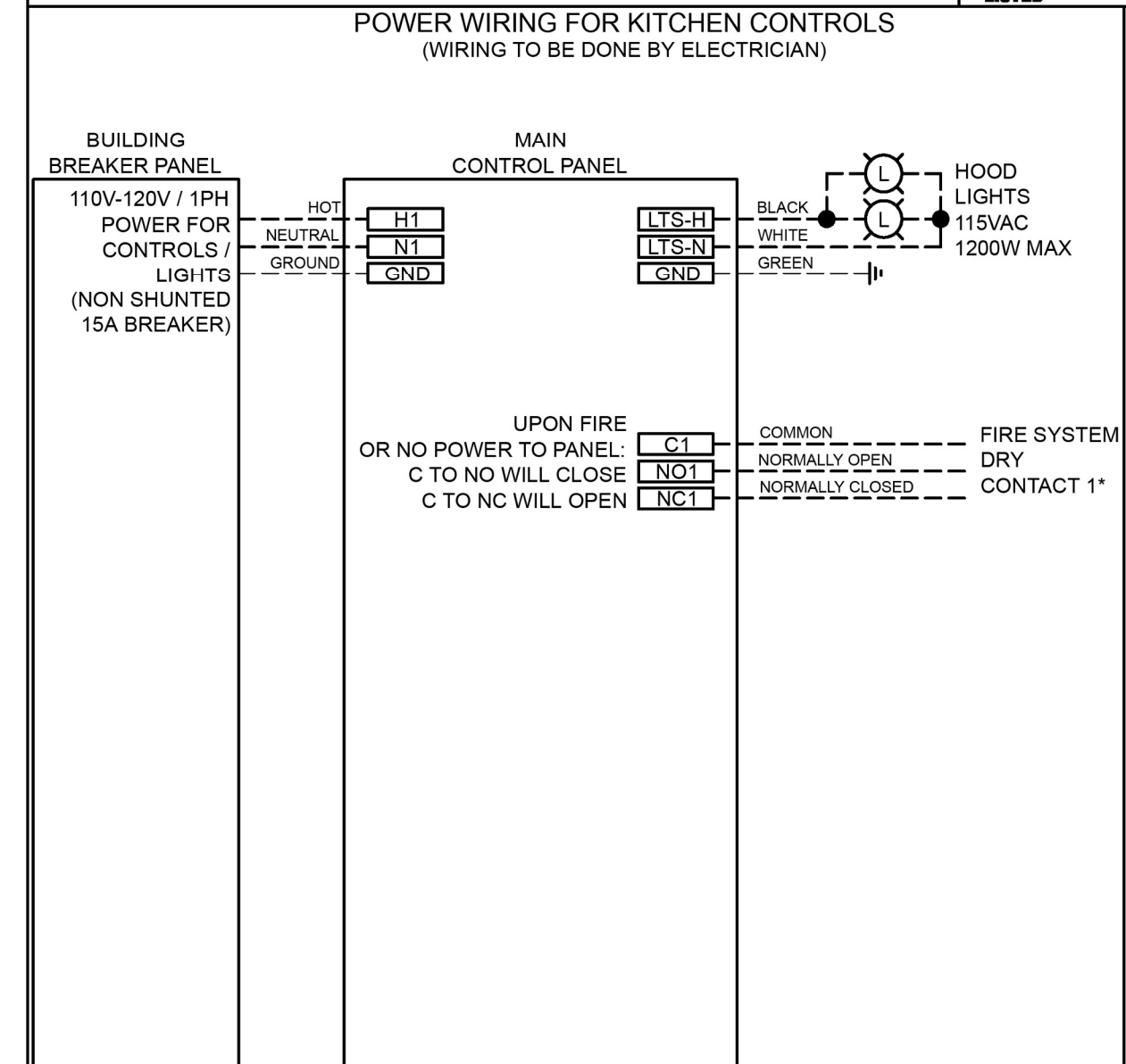
ATTENTION
 L'APPAREIL DOIT ÊTRE MIS À LA TERRE CONFORMÉMENT AU CODE C.E. L'ALIMENTATION DOIT ÊTRE COUPÉE DURANT L'ENTRETIEN.

COMMERCIAL APPLIANCE OUTLET CENTER
 ELECTRICAL RATINGS: 110-240V, 1PHASE, 50-60HZ, 15A
 BASE FILE #E200616, ML FILE #E313951

PRG VERSION: V5
 FIELD WIRING (CÂBLE LOCALEMENT) -----
 FACTORY WIRING (CÂBLE À L'USINE) -----

NE PAS RETIRER CES DESSINS DE CET ÉQUIPEMENT SAUF INDICATION CONTRAIRE. UTILISER DES CONDUCTEURS EN CUivre CLASSÉS 90°C, SERRER LES BORNES DE COMMANDE ET DE MISE À LA TERRE À 8 LB-PO. SERRER LES COSSÉS/AVIS D'ALIMENTATION AUX COUPLES INDICQUÉS POUR LE COMPOSANT. SERRER LES BORNES À VIS DE LA CARTE DE COMMANDE À 3.5 LB-PO. LA RÉSISTANCE DU CÂBLAGE DE COMMANDE LOCAL NE DOIT PAS DÉPASSER 0.75 OHM. POUR PLUS D'INFORMATION, CONSULTER LE MANUEL OU APPELER 1-800-371-6858.

WIRING DIAGRAM CODE: WDC#
 JOB NAME: KFC WILDWOOD SAUCY RR (1)
 MODEL: XKC-CV-S-21-2-1-0
 SERIAL NUMBER: WDSN#
 MARK: CONTROLS



MAIN USER INTERFACE DETAILS

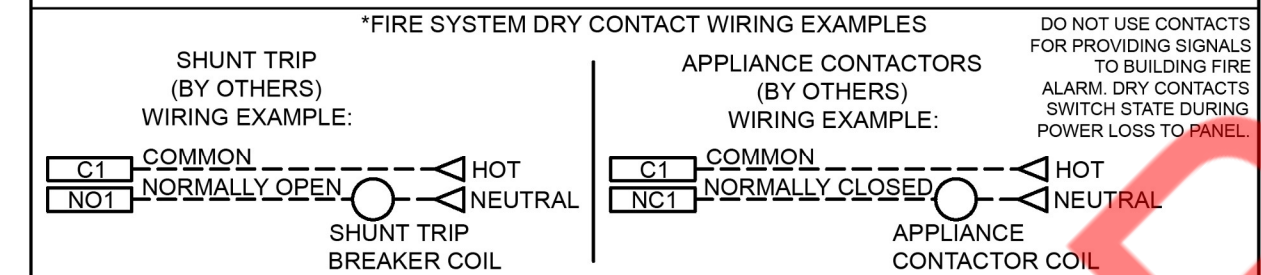
MOUNTING TYPE
 FACTORY MOUNTED:
 UTILITY CABINET - RIGHT END OF HOOD

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:
 1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.
 2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET



DEFAULT SETTINGS

ZONE #	ZONE	ROOM TEMP
1	Z1	PRESET

HOOD CONFIGURATION

HOOD #	HOOD	HOOD MARK	ZONE	EXHA	EXH B	SUPPLY	MB TEMP SENSORS
1	H1	H-1 SECTION 1	Z1	E1	-	S1	TS1
2	H2	H-1 SECTION 2	Z1	E2	-	S1	TS2

FAN CONFIGURATION

FAN #	TYPE	FAN	FAN MARK	ZONE	MIN CFM	MAX CFM	MODBUS VFD	VFD ADDRESS	MIN FREQ	MAX FREQ	MIN VDC	MAX VDC
1	EXHAUST	E1	EF-SECTION-1	Z1	-	1888	NO	-	-	-	-	9.1
2	EXHAUST	E2	EF-SECTION-2	Z1	-	1888	NO	-	-	-	-	9.1
3	SUPPLY	S1	SF-1	Z1	-	3398	NO	-	-	-	-	10.0

UL LISTED

PROJECT: 4/25/2025
 MARK: CONTROLS

KFC WILDWOOD SAUCY RR (1)

ACCUREX FL PANHANDLE AL MS LA
 TONY MONJURE@ACCUREX.COM
 (850)777-7005

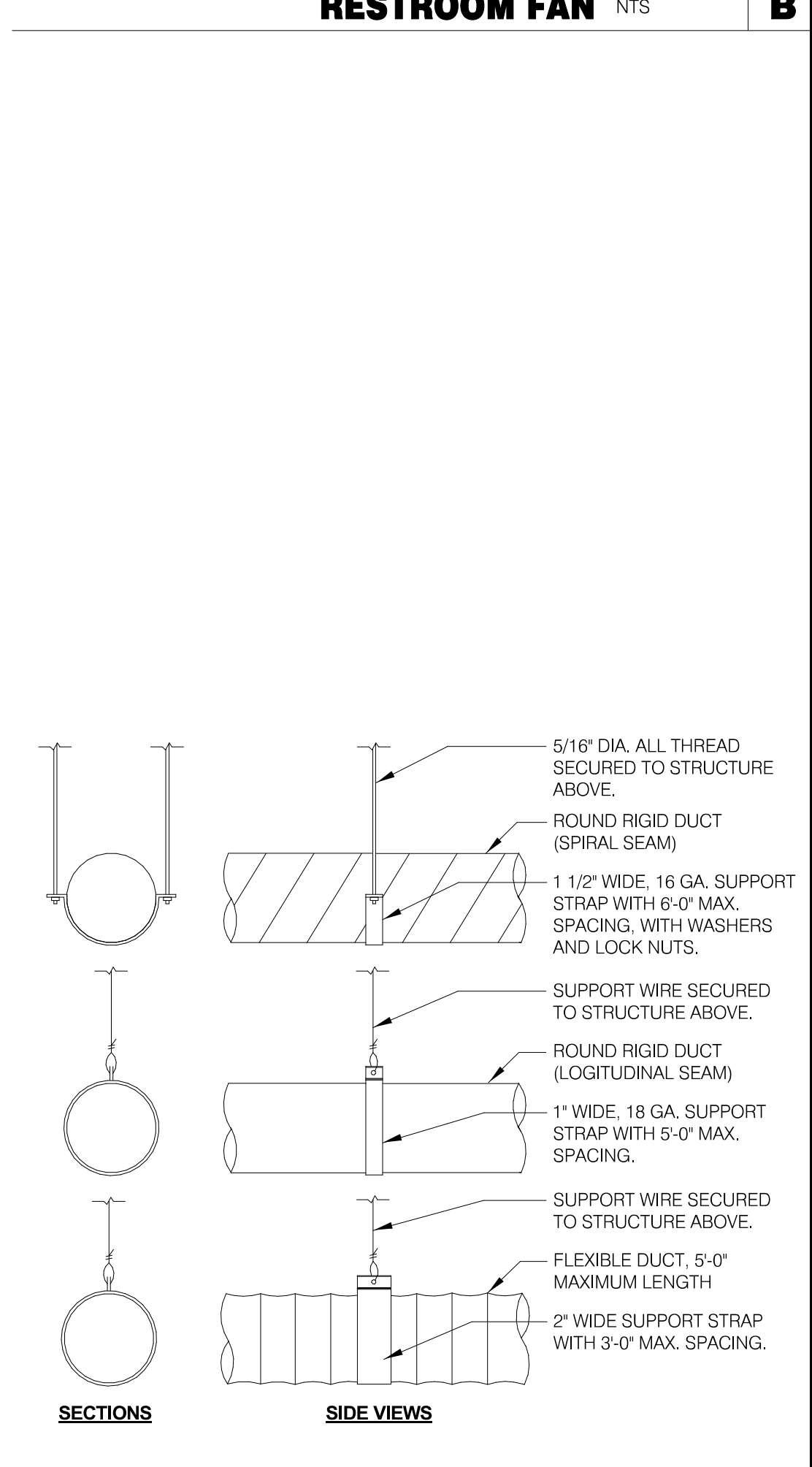
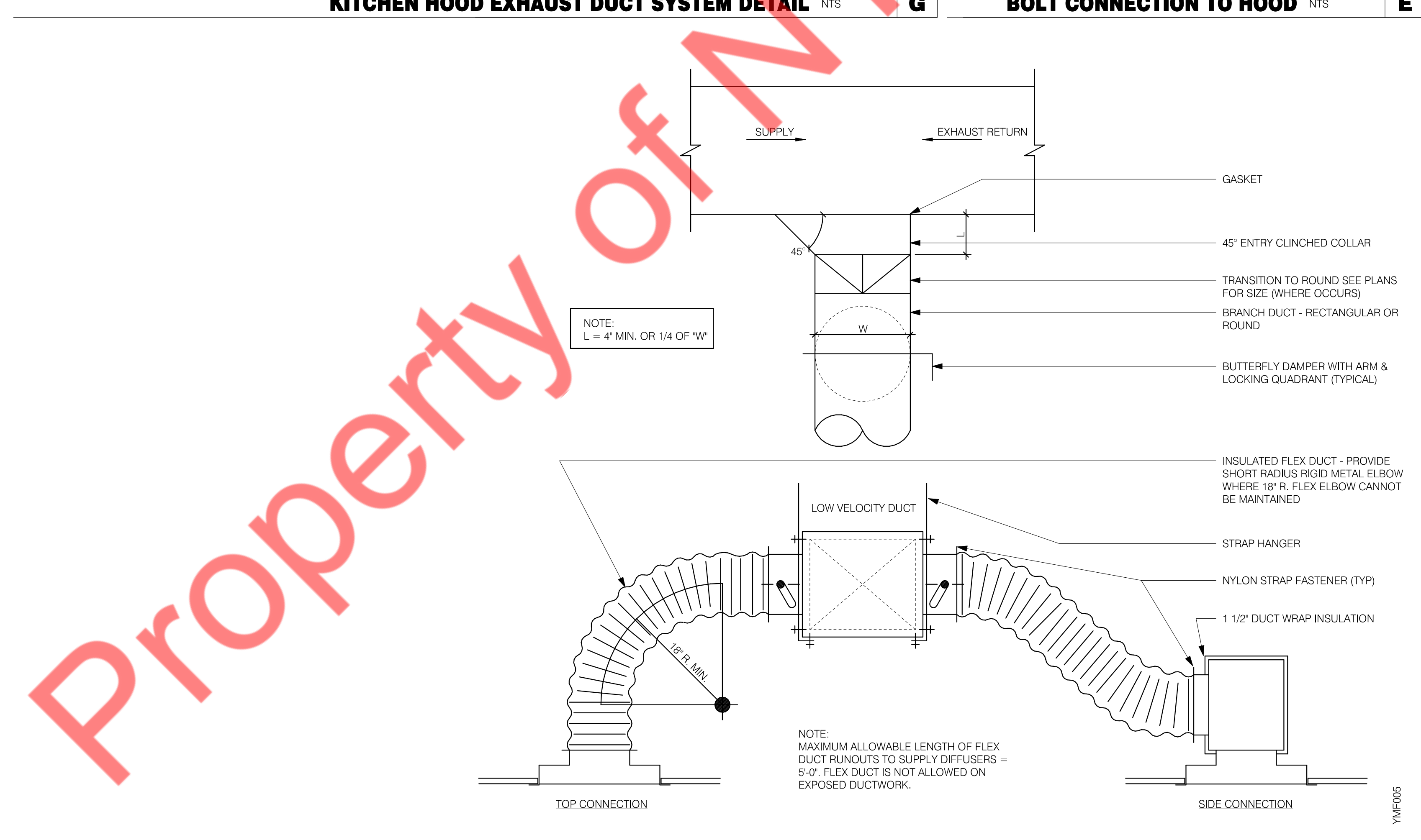
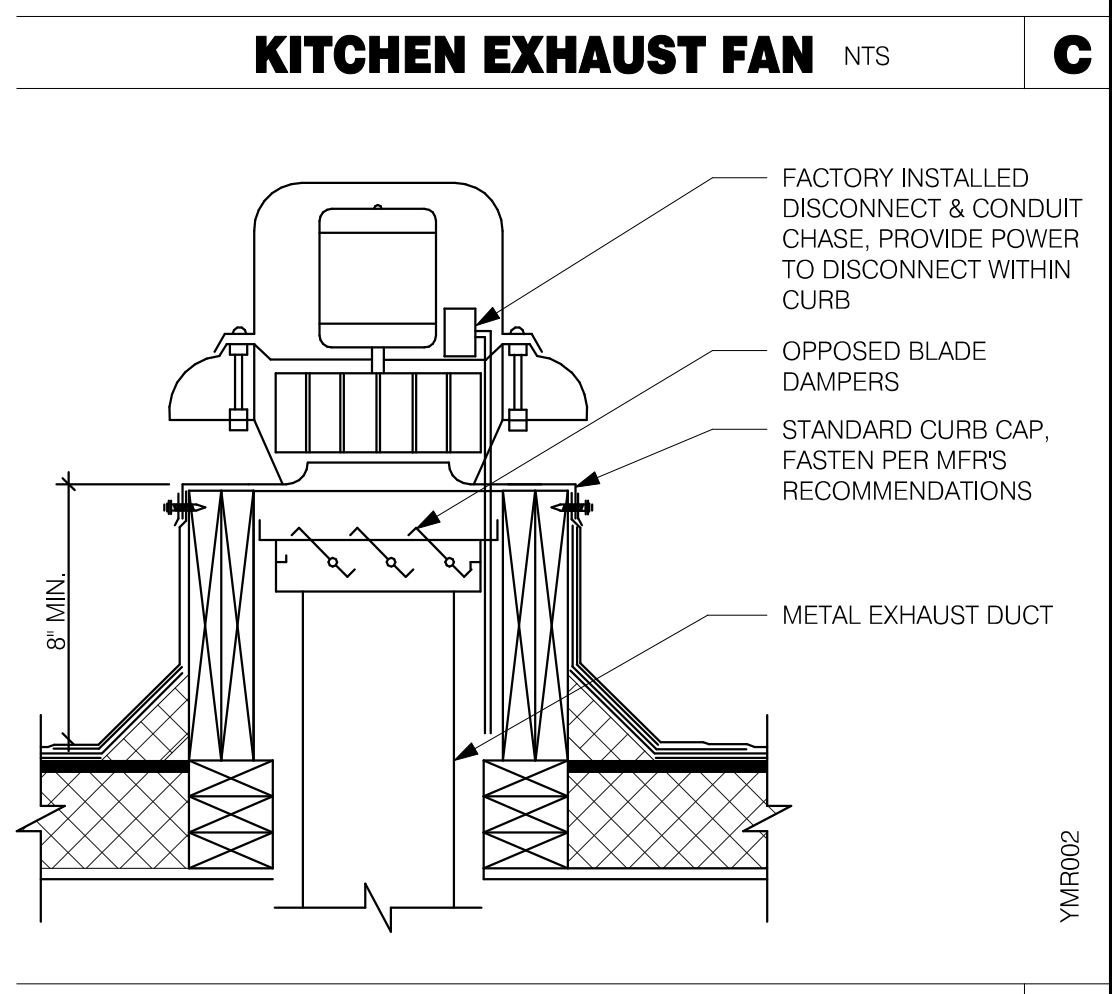
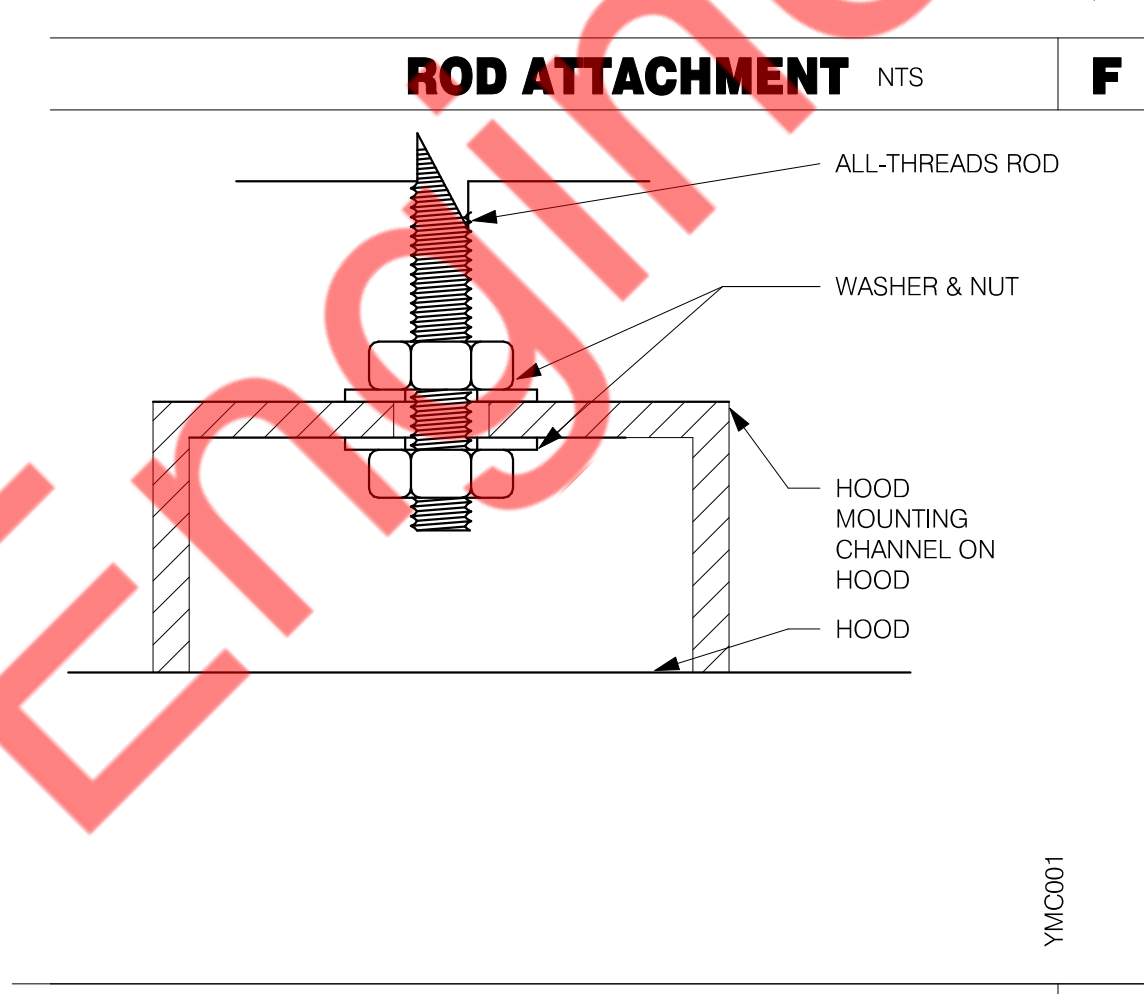
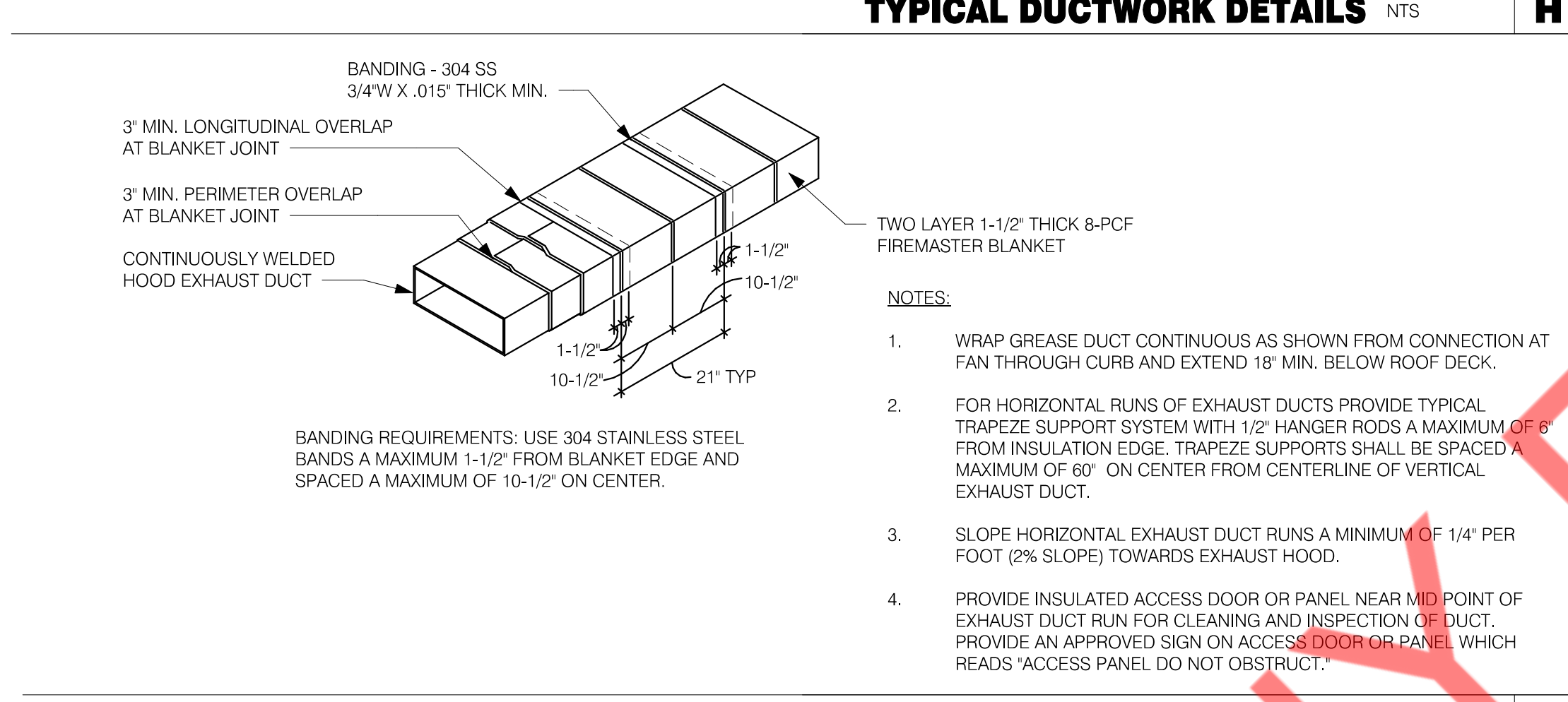
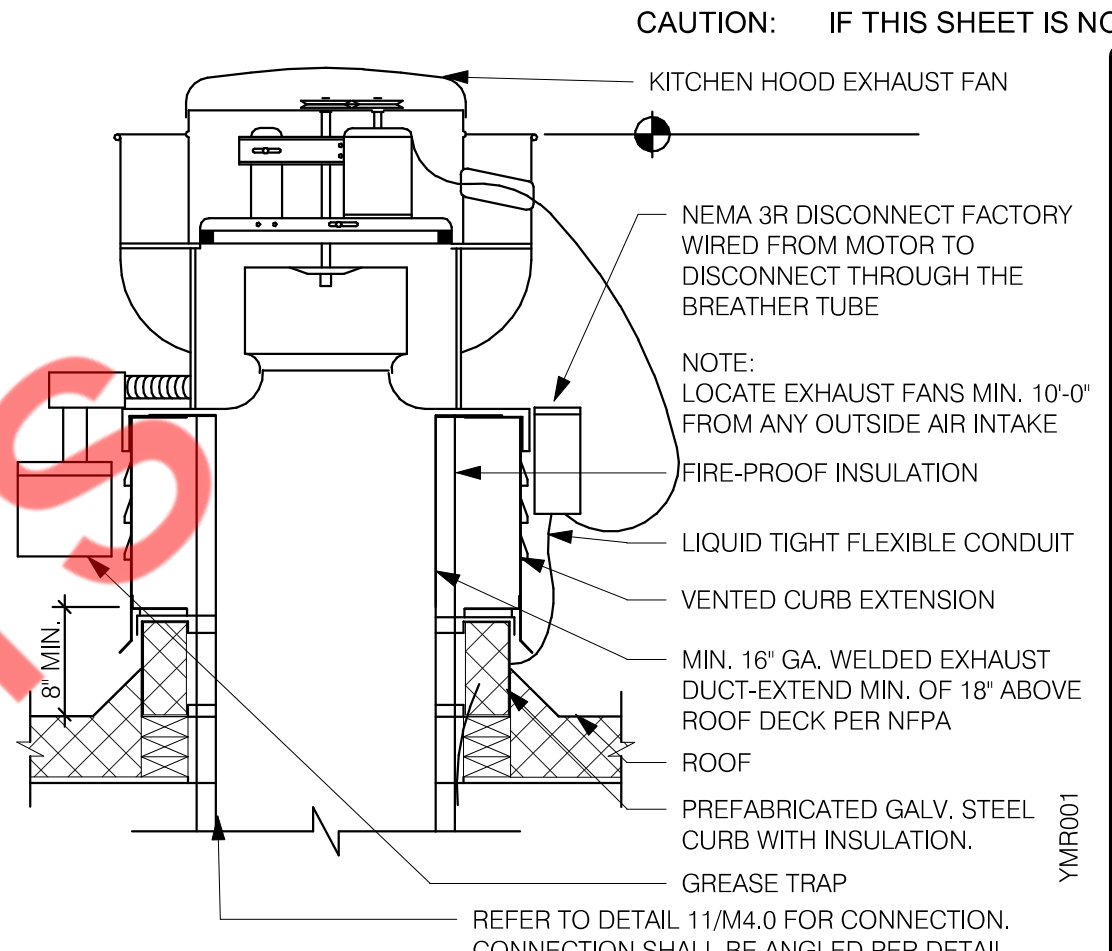
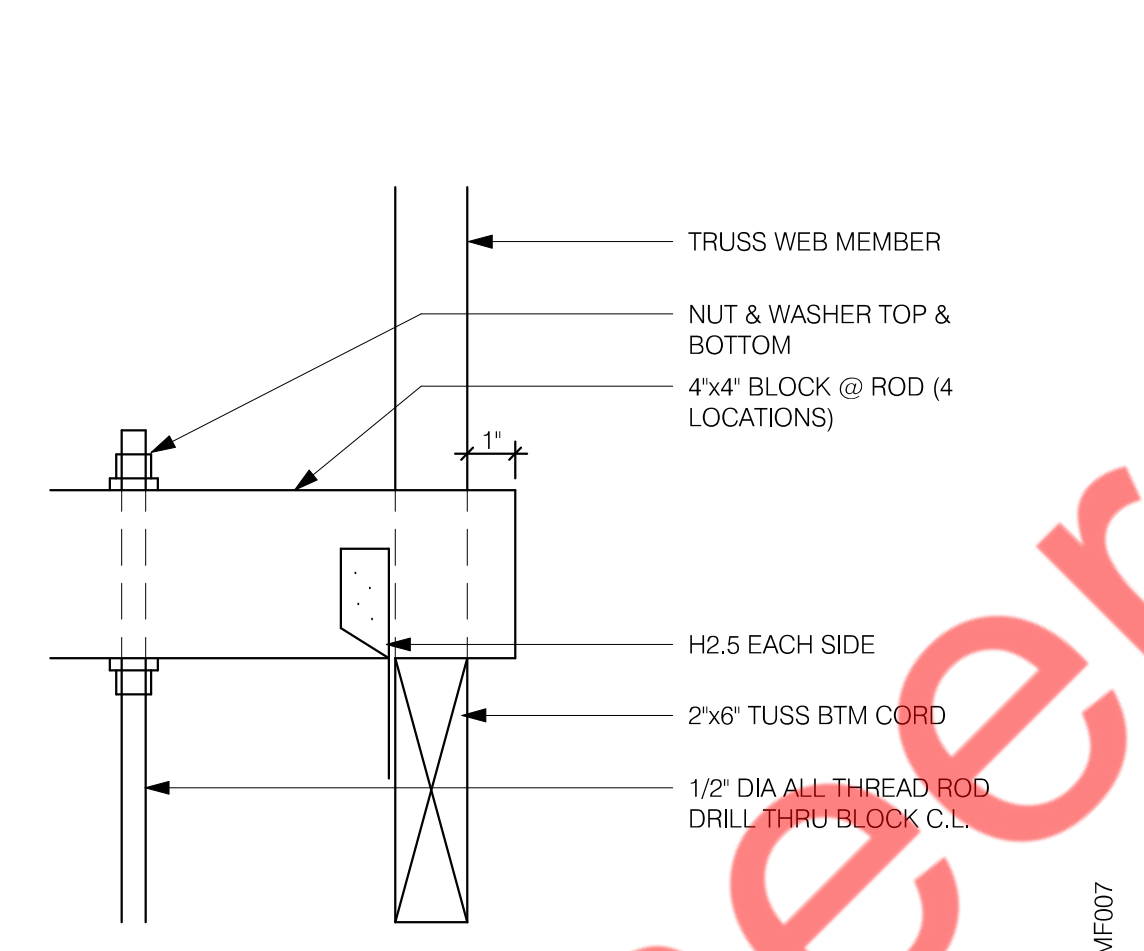
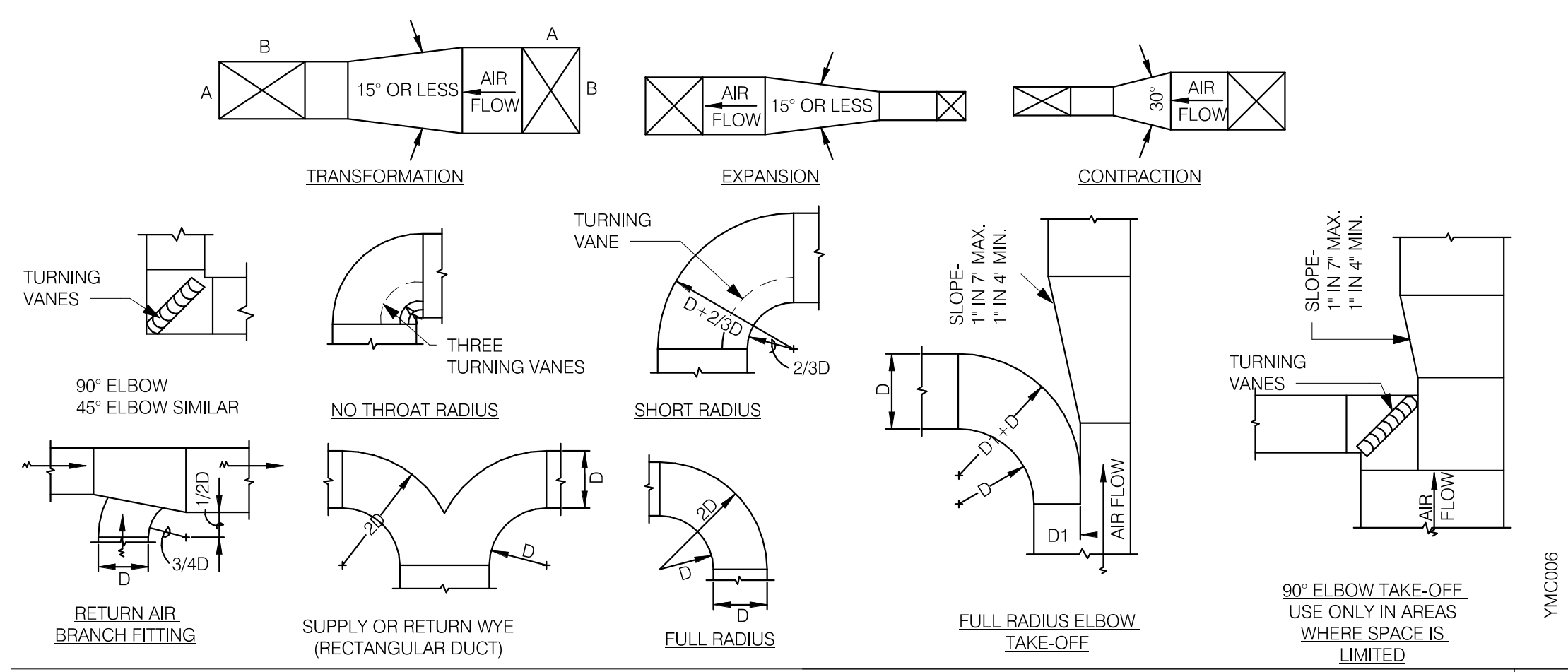
ACCUREX

SAUCY, WILDWOOD

HOOD DETAILS (6 OF 6)

M3.5

PLOT DATE:



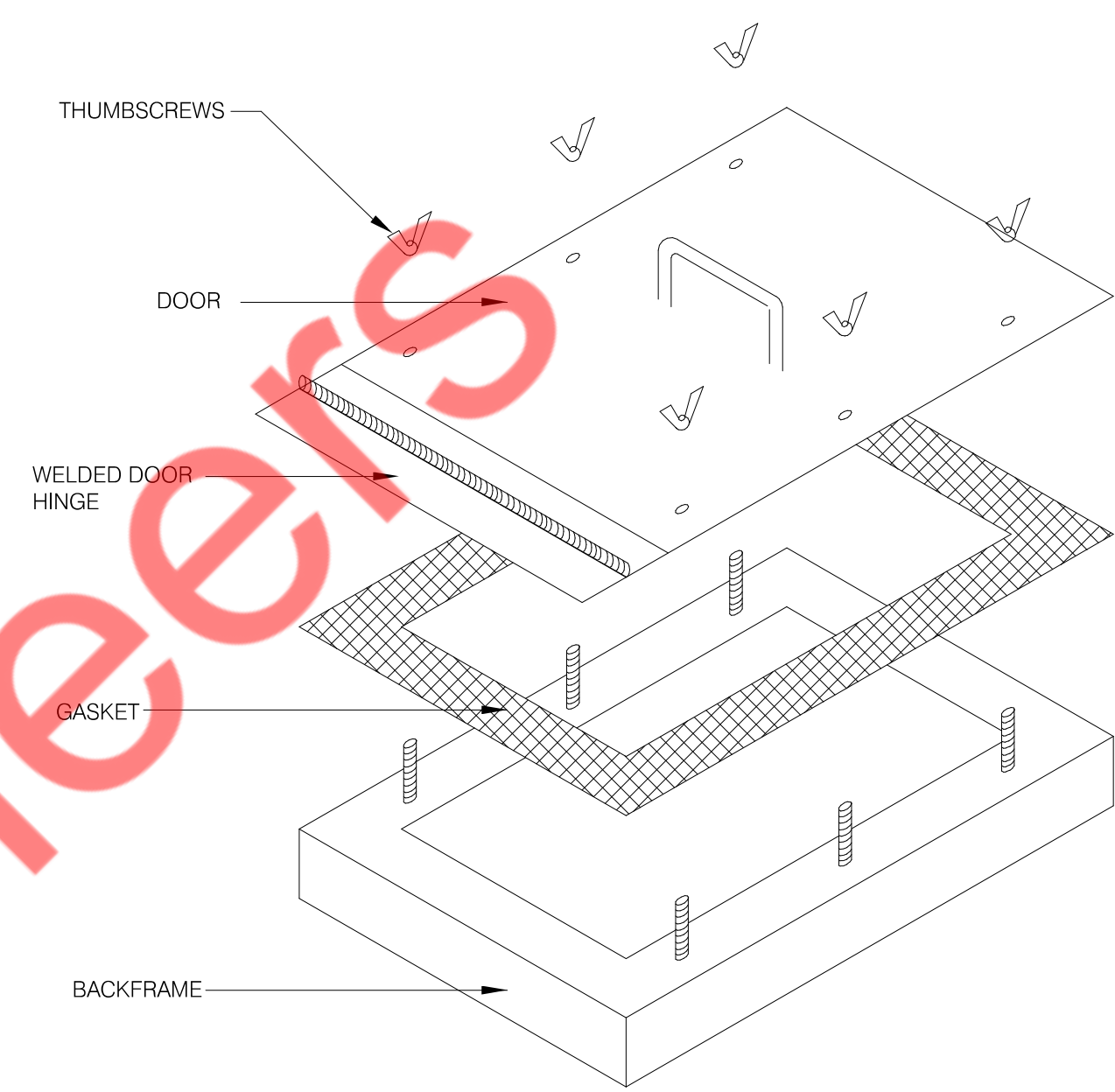
Property of NY Engineers

SAUCY, WILDWOOD

**MECHANICAL
DETAILS (1 OF
2)**

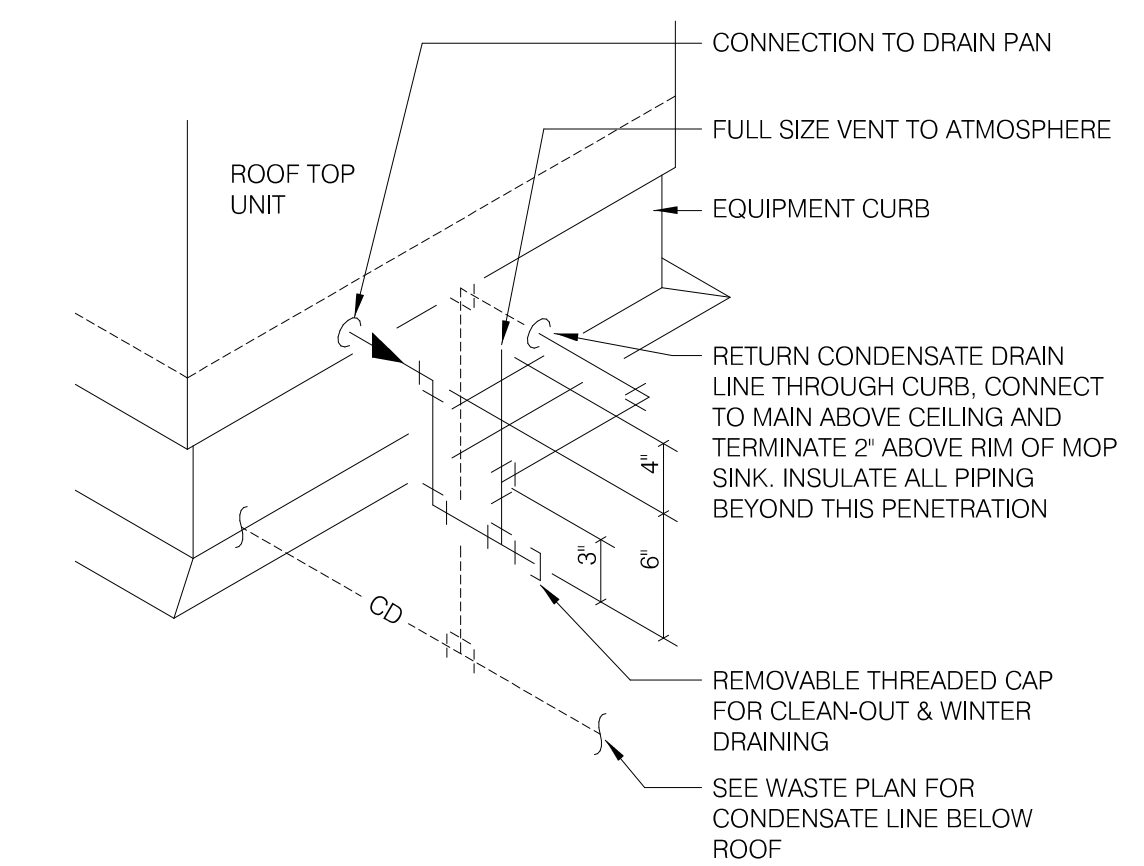
M4.0

PLOT DATE:

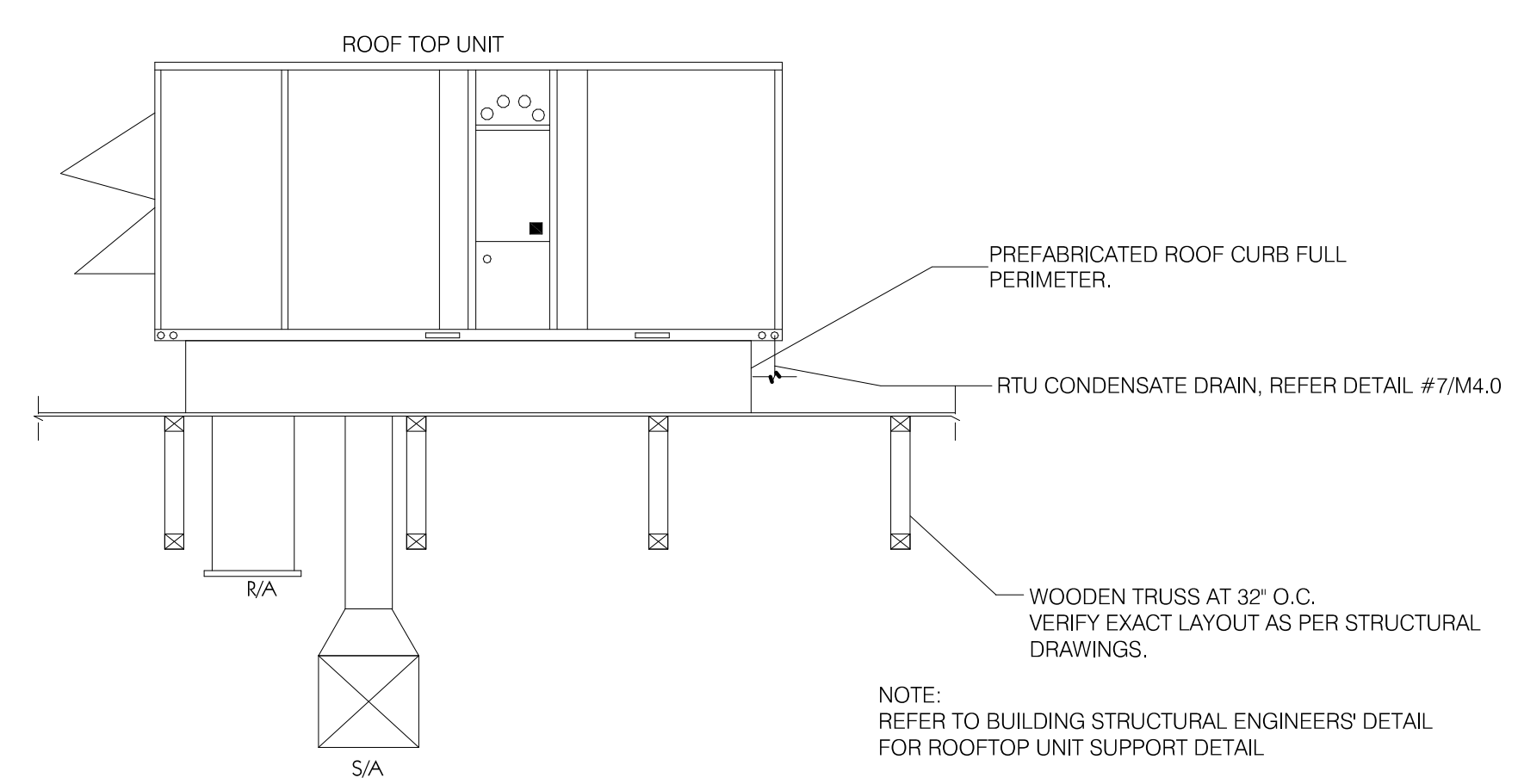


- NOTES:
1. ACCESS DOOR IS TO BE DUCTMATE ULTIMATE DOOR II OR EQUAL.
 2. ACCESS DOOR IS TO BE U.L. LISTED # 65X3.
 3. ACCESS DOOR IS TO MEET OR EXCEED THE REQUIREMENTS OF NFPA 96, 2008 EDITION AT ALL LOCATIONS REQUIRED BY LOCAL CODE.

GREASE DUCT ACCESS DOOR DETAIL NTS **C**

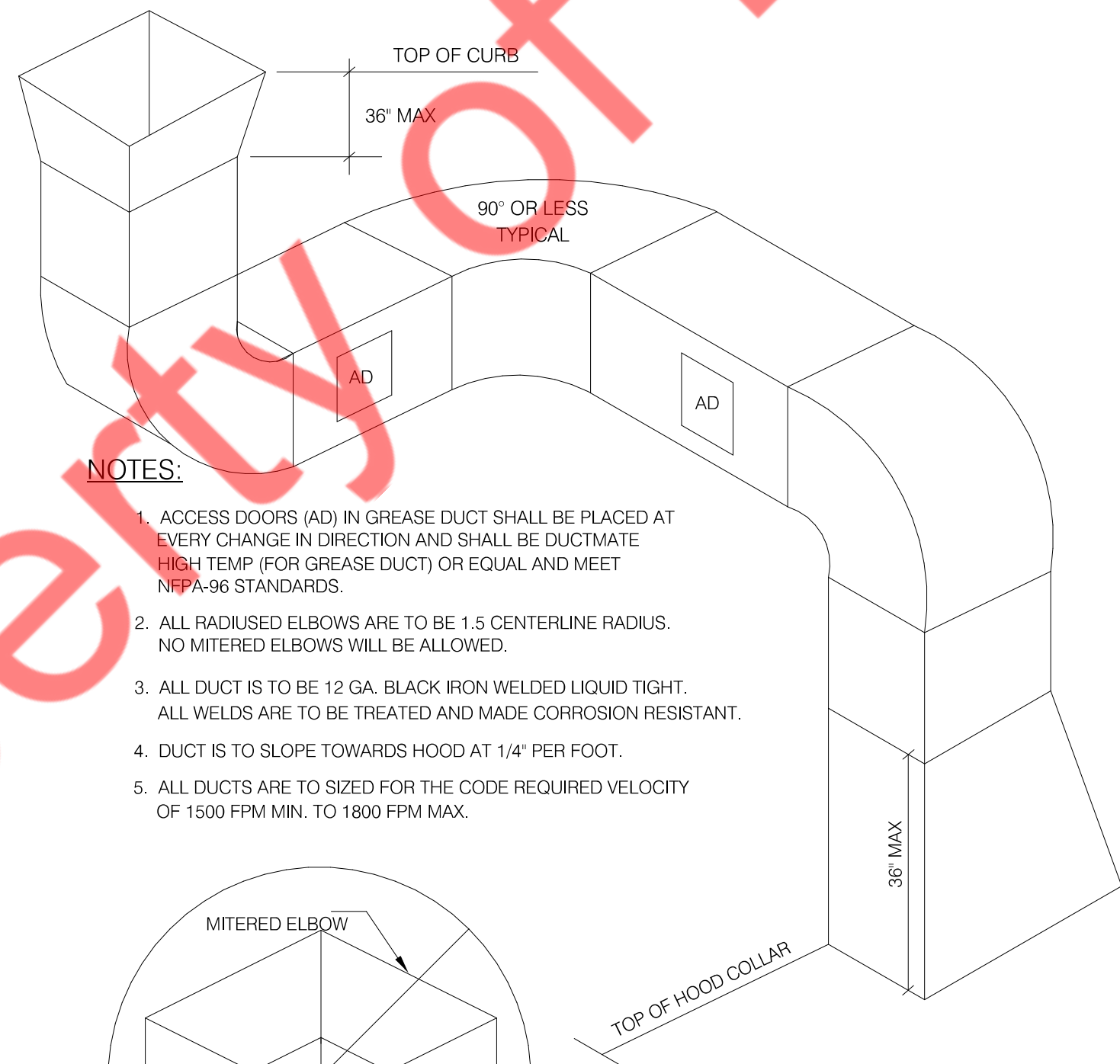


RTU CONDENSATE DETAIL NTS **B**



NOTE:
REFER TO BUILDING STRUCTURAL ENGINEERS' DETAIL FOR ROOFTOP UNIT SUPPORT DETAIL.

RTU DETAILS NTS **A**



- NOTES:
1. ACCESS DOORS (AD) IN GREASE DUCT SHALL BE PLACED AT EVERY CHANGE IN DIRECTION AND SHALL BE DUCTMATE HIGH TEMP (FOR GREASE DUCT) OR EQUAL AND MEET NFPA-96 STANDARDS.
 2. ALL RADIUSSED ELBOWS ARE TO BE 1.5 CENTERLINE RADIUS. NO MITERED ELBOWS WILL BE ALLOWED.
 3. ALL DUCT IS TO BE 12 GA. BLACK IRON WELDED LIQUID TIGHT. ALL WELDS ARE TO BE TREATED AND MADE CORROSION RESISTANT.
 4. DUCT IS TO SLOPE TOWARDS HOOD AT 1/4" PER FOOT.
 5. ALL DUCTS ARE TO SIZED FOR THE CODE REQUIRED VELOCITY OF 1500 FPM MIN. TO 1800 FPM MAX.

TYPICAL GREASE DUCT DETAIL NTS **D**

SAUCY, WILDWOOD

**MECHANICAL
DETAILS (2 OF
2)**

M4.1

PLOT DATE:



PROTECTED BY ENGINEERS

SAUCY, WILDWOOD

5085 SUNDANCE TRAIL
WILDWOOD FLORIDA 34785

DUCTWORK 3D
VIEW

M4.2

PLOT DATE:

DUCTWORK 3D VIEW NTS

A

COMcheck Software Version COMcheckWeb Mechanical Compliance Certificate

Project Information: Energy Code, Project Title, Location, Climate Zone, Project Type

Construction Site: 5001 SARDINE TRAIL, WILDLWOOD, Florida 32705

Mechanical Systems List

- 1. Heating: 1 each - Central Furnace, Gas, Capacity = 250 MBtu/h...
2. Heating: 1 each - Central Furnace, Gas, Capacity = 150 MBtu/h...
3. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
4. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
5. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
6. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
7. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
8. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
9. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...
10. Cooling: 1 each - Single Package VAV, Capacity = 10 MBtu/h...

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical system complies with the applicable code requirements...

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 1 of 11.

Table with 5 columns: Section # & Req. ID, Mechanical Rough-In Inspection, Plans Verified Value, Field Verified Value, Compliance?, Comments/Assumptions.

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 7 of 11.

Signature: MICHAEL TORRES

COMcheck Software Version COMcheckWeb Inspection Checklist

Energy Code: 90.1 (2019) Standard. Requirements: 100.0% were addressed directly in the COMcheck software...

Table with 3 columns: Section # & Req. ID, Plan Review, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 2 of 11.

Table with 5 columns: Section # & Req. ID, Rough-In Electrical Inspection, Plans Verified Value, Field Verified Value, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 9 of 11.

Table with 5 columns: Section # & Req. ID, Fire/Alarm/Inspection, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 10 of 11.

Table with 5 columns: Section # & Req. ID, Final Inspection, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 10 of 11.

Table with 5 columns: Section # & Req. ID, Plumbing Rough-In Inspection, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 11 of 11.

Table with 5 columns: Section # & Req. ID, Final Inspection, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 11 of 11.

Table with 5 columns: Section # & Req. ID, Mechanical Rough-In Inspection, Plans Verified Value, Field Verified Value, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 11 of 11.

Table with 5 columns: Section # & Req. ID, Final Inspection, Compliance?, Comments/Assumptions.

Additional Comments/Assumptions:

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 11 of 11.

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 8 of 11.

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 8 of 11.

Project Title: SAUCY BY KFC, FL. Report date: 05/22/25. Data Name: SAUCY BY KFC, FL. Page: 8 of 11.

SAUCY, WILDWOOD

ENERGY COMPLIANCE

M5.0

PLOT DATE:

System Checksums

By Trial

Single Zone

RTU-1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 17		Mo/Hr: Sum of		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling		Heating		
Outside Air:		OADB/WB/HR: 90 / 79 / 131		OADB: Peaks		OADB: 34		OADB: 34		OADB: 34		SADB		Ra Plenum		
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Space Sens	Coil Peak
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h
Envelope Loads																
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0
Roof Cond	6,545	0	6,545	6	6,672	9	-2,966	5.45	-2,966	5.45	0.00	0	0	0.00	0	0
Glass Solar	27,634	0	27,634	24	30,106	41	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Glass/Door Cond	7,028	0	7,028	6	6,989	10	-18,417	33.84	-18,417	33.84	4.27	0	0	0.00	0	0
Wall Cond	2,435	0	2,435	2	2,253	3	-2,322	4.27	-2,322	4.27	0.00	0	0	0.00	0	0
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Floor	0	0	0	0	0	0	-3,207	5.89	-3,207	5.89	0.00	0	0	0.00	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Infiltration	9,251	0	9,251	8	2,307	3	-6,295	11.57	-6,295	11.57	0.00	0	0	0.00	0	0
Sub Total ==>	52,894	0	52,894	46	48,328	66	-33,207	61.01	-33,207	-33,207	61.01	0	0	0.00	0	0
Internal Loads																
Lights	8,154	0	8,154	7	8,154	11	0	0.00	0	0.00	0.00	0	0	0.00	0	0
People	15,400	0	15,400	13	7,700	11	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Misc	8,562	0	8,562	7	8,562	12	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Sub Total ==>	32,116	0	32,116	28	24,416	34	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Ceiling Load																
Ventilation Load	0	0	31,184	27	0	0	0	0.00	0	0.00	38.99	0	0	0.00	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Grand Total ==>	85,010	0	116,194	100.00	72,745	100.00	-33,207	-54,426	100.00	-33,207	-54,426	100.00	0	0	0.00	0

COOLING COIL SELECTION										
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb						
Main Clg	11.1	133.6	90.4	4,017	76.8	64.9	73.3	56.3	53.9	58.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	11.1	133.6								

AREAS			
Gross Total	Glass		
	ft² (%)		
Floor	1,991		
Part	0		
Int Door	0		
ExFlr	115		
Roof	1,991	0	0
Wall	1,623	834	51
Ext Door	73	73	100

HEATING COIL SELECTION					
Capacity	Coil Airflow	Ent	Lvg		
MBh	cfm	°F	°F		
Main Htg	-57.2	4,017	67.3	79.4	
Aux Htg	0.0	0	0.0	0.0	
Preheat	0.0	0	0.0	0.0	
Humidif	0.0	0	0.0	0.0	
Opt Vent	0.0	0	0.0	0.0	
Total	-57.2				

Project Name: SAUCY BY KFC
Dataset Name: SAUCY ILDWOOD FL 23-04-25.TRC

TRACE® 700 v6.3.3 calculated at 01:35 PM on 05/22/2025
Alternative - 1 System Checksums Report Page 1 of 2

System Checksums

By Trial

Single Zone

RTU-2,3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: Sum of		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 79 / 129		OADB: Peaks		OADB: 34		OADB: 34		OADB: 34		SADB		Ra Plenum		
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Space Sens	Coil Peak
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h
Envelope Loads																
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0
Roof Cond	0	4,794	4,794	5	0	0	0	0.00	0	0	0.00	0	0	0.00	0	0
Glass Solar	893	0	893	1	1,063	2	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Glass/Door Cond	829	0	829	1	919	2	-2,095	6.38	-2,095	6.38	0.00	0	0	0.00	0	0
Wall Cond	1,737	1,634	3,371	4	1,689	3	-1,737	9.53	-1,737	9.53	0.00	0	0	0.00	0	0
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Floor	0	0	0	0	0	0	-2,632	8.02	-2,632	8.02	0.00	0	0	0.00	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Infiltration	3,090	0	3,090	3	1,000	2	-2,144	6.53	-2,144	6.53	0.00	0	0	0.00	0	0
Sub Total ==>	6,548	6,428	12,976	14	4,650	9	-8,608	37.41	-8,608	-12,280	37.41	0	0	0.00	0	0
Internal Loads																
Lights	6,451	0	6,451	7	6,451	12	0	0.00	0	0.00	0.00	0	0	0.00	0	0
People	6,050	0	6,050	7	3,025	6	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Misc	36,868	0	36,868	40	36,868	71	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Sub Total ==>	49,368	0	49,368	53	46,343	90	0	0.00	0	0.00	0.00	0	0	0.00	0	0
Ceiling Load																
Ventilation Load	790	-790	0	0	750	1	0	0.00	0	0.00	64.57	0	0	0.00	0	0
Adj Air Trans Heat	0	0	31,260	34	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Exhaust Heat	0	-988	-988	-1	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0
Grand Total ==>	56,707	4,650	92,616	100.00	51,744	100.00	-9,080	-32,826	100.00	-9,080	-32,826	100.00	0	0	0.00	0

COOLING COIL SELECTION										
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb						
Main Clg	8.9	106.5	74.6	2,999	79.0	65.9	75.2	57.1	54.5	59.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	8.9	106.5								

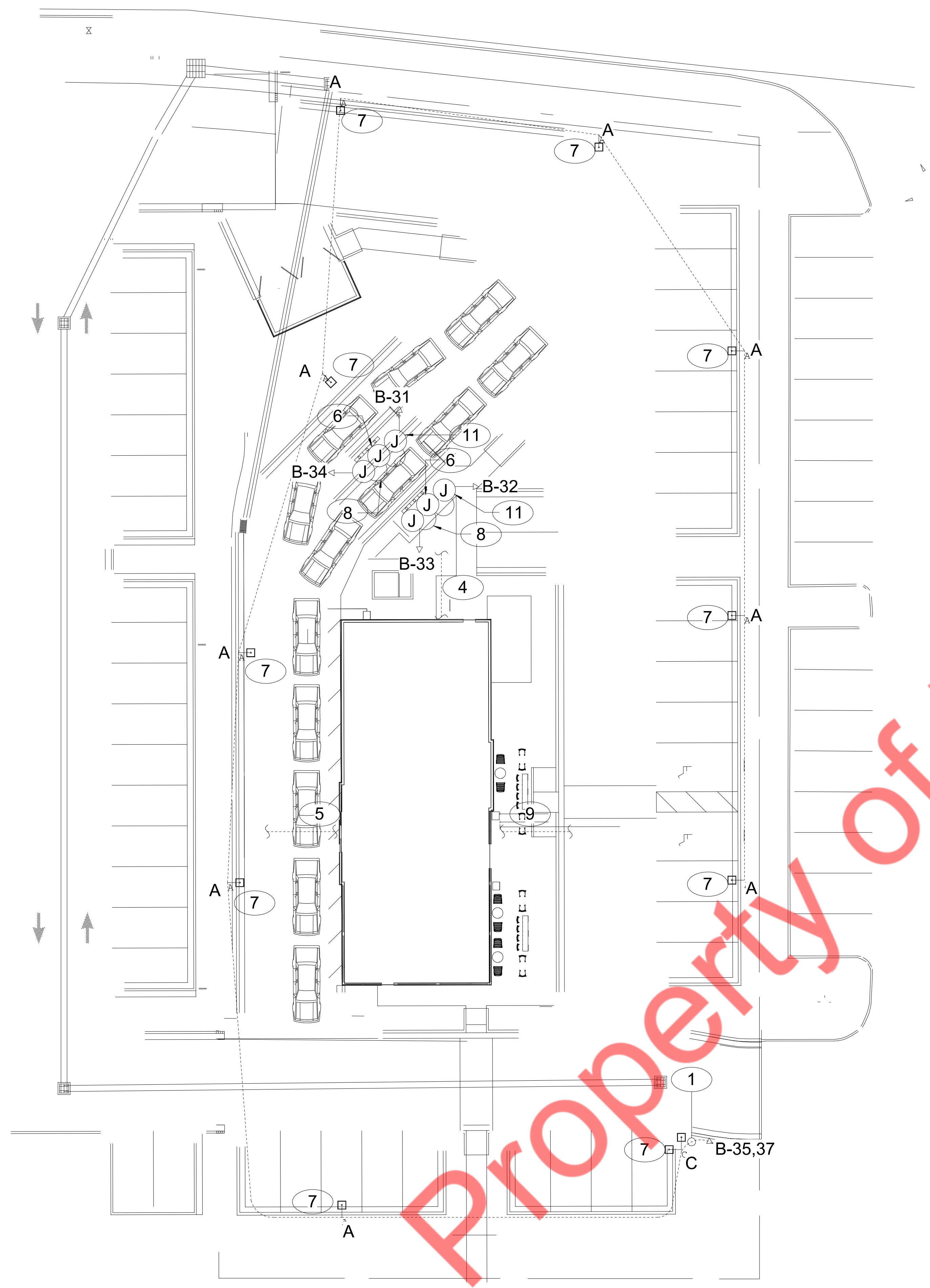
AREAS			
Gross Total	Glass		
	ft² (%)		
Floor	1,575		
Part	0		
Int Door	0		
ExFlr	94		
Roof	1,575	0	0
Wall	1,147	69	6
Ext Door	24	24	100

HEATING COIL SELECTION					
Capacity	Coil Airflow	Ent	Lvg		
MBh	cfm	°F	°F		
Main Htg	-34.9	2,999	64.7	74.7	
Aux Htg	0.0	0	0.0	0.0	
Preheat	0.0	0	0.0	0.0	
Humidif	0.0	0	0.0	0.0	
Opt Vent	0.0	0	0.0	0.0	
Total	-34.9				

Project Name: SAUCY BY KFC
Dataset Name: SAUCY ILDWOOD FL 23-04-25.TRC

TRACE® 700 v6.3.3 calculated at 01:35 PM on 05/22/2025
Alternative - 1 System Checksums Report Page 2 of 2

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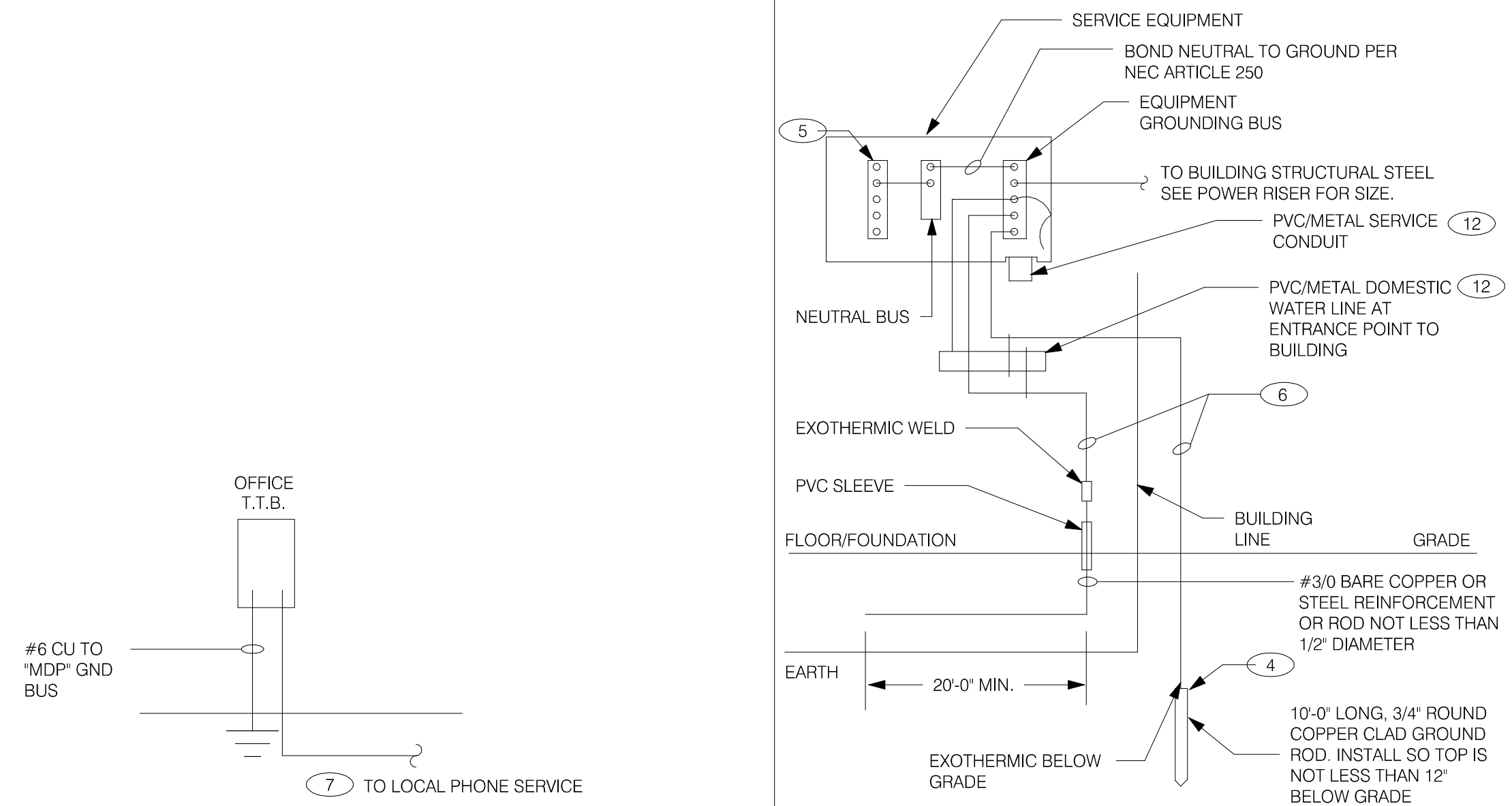


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|--|---|
| <p>1 REFER TO ELECTRICAL PANEL SCHEDULE ON THE SHEET E2.1 FOR WIRE AND CONDUIT SIZE. CONDUIT SHALL BE DIRECT BURIED.</p> <p>2 JUNCTION BOX FOR MENU BOARD. COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION OF MENU BOARD IN FIELD.</p> <p>3 NOT USED.</p> <p>4 PROPOSED LOCATION OF UNDERGROUND ELECTRIC SERVICE FROM UTILITY COMPANY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION WITH UTILITY COMPANY/OWNER/LANDLORD BASED ON THE PROJECT SITE LOCATION.</p> <p>5 PROPOSED LOCATION OF UNDERGROUND TELEPHONE SERVICE FROM TELEPHONE UTILITY COMPANY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION WITH TELEPHONE COMPANY/OWNER/LANDLORD BASED ON THE PROJECT SITE LOCATION.</p> <p>6 JUNCTION BOX FOR ORDER CONFIRMATION BOARD/ SPEAKER POST. CONTRACTOR SHALL COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION IN FIELD.</p> <p>7 SITE LIGHTING POLE WITH LIGHT FIXTURE MOUNTED ON IT. SITE LIGHTING DETAILS: LUMEN: 10000-15000 LUMEN; NEUTRAL WHITE; FULL CUTOFF LUMINAIRE. ALL SITE LIGHTING FIXTURE SHALL COMPLY WITH LOCAL AHJ REQUIREMENTS AND ENERGY CODES. COORDINATE WITH ARCHITECT/OWNER FOR FINAL LIGHT FIXTURE SELECTION, FINISH, COLOR AND WATTAGE. REFER TO SHEET E1.1 FOR SITE PHOTOMETRIC CALCULATIONS SUMMARY AND LIGHT FIXTURE DETAILS.</p> | <p>8 CONTRACTOR SHALL PROVIDE UNDERGROUND CONDUITS FOR MENU BOARD AND SPEAKER/ORDER CONFIRMATION BOARD. CONTRACTOR SHALL REFER TO ARCHITECTURAL SHEET A6.0 AND PROVIDE THE BELOW MENTIONED CONDUITS:
(3) 1" CONDUIT FOR MENU BOARD ;
(1) FOR POWER CONNECTION,
(1) FOR DATA AND
(1) SPARE WITH PULL STRING FOR FUTURE.</p> <p>9 PROVIDE (4) 1" CONDUIT FOR SPEAKER POST/ORDER CONFIRMATION ;
(1) FOR POWER CONNECTION,
(2) FOR VOICE/DATA AND
(1) SPARE WITH PULL STRING FOR FUTURE.</p> <p>10 PROPOSED WATER SERVICE ENTRY TIE-IN POINT. REFER PLUMBING LAYOUT (SHEET P2.0) FOR FURTHER DETAILS.</p> <p>11 LIGHTING FIXTURE CONTROLLED BY TIME-CLOCK. CONTRACTOR SHALL PROVIDE ELECTRICAL CONNECTION ACCORDINGLY.</p> <p>12 JUNCTION BOX FOR PREVIEW BOARD. COORDINATE WITH ARCHITECT/OWNER FOR EXACT LOCATION OF MENU BOARD IN FIELD.</p> |
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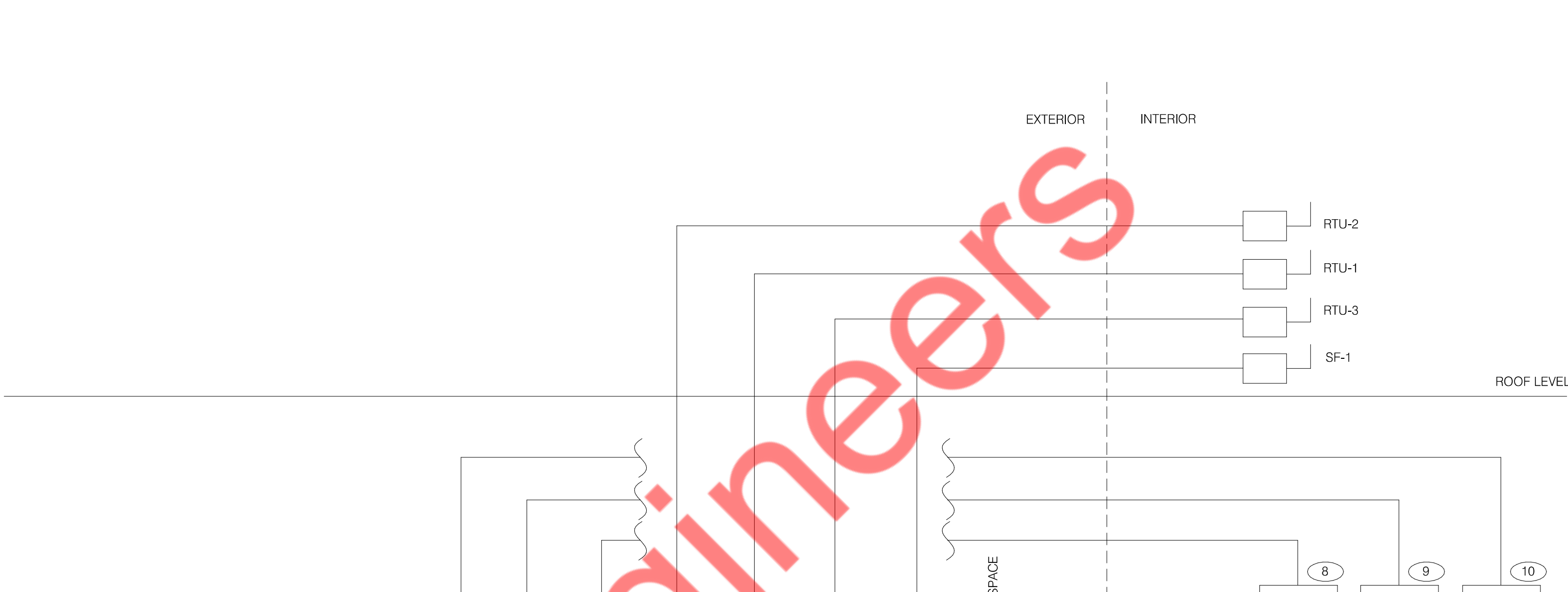
SAUCY, WILDWOOD

**ELECTRICAL
SITE PLAN**

E1.0

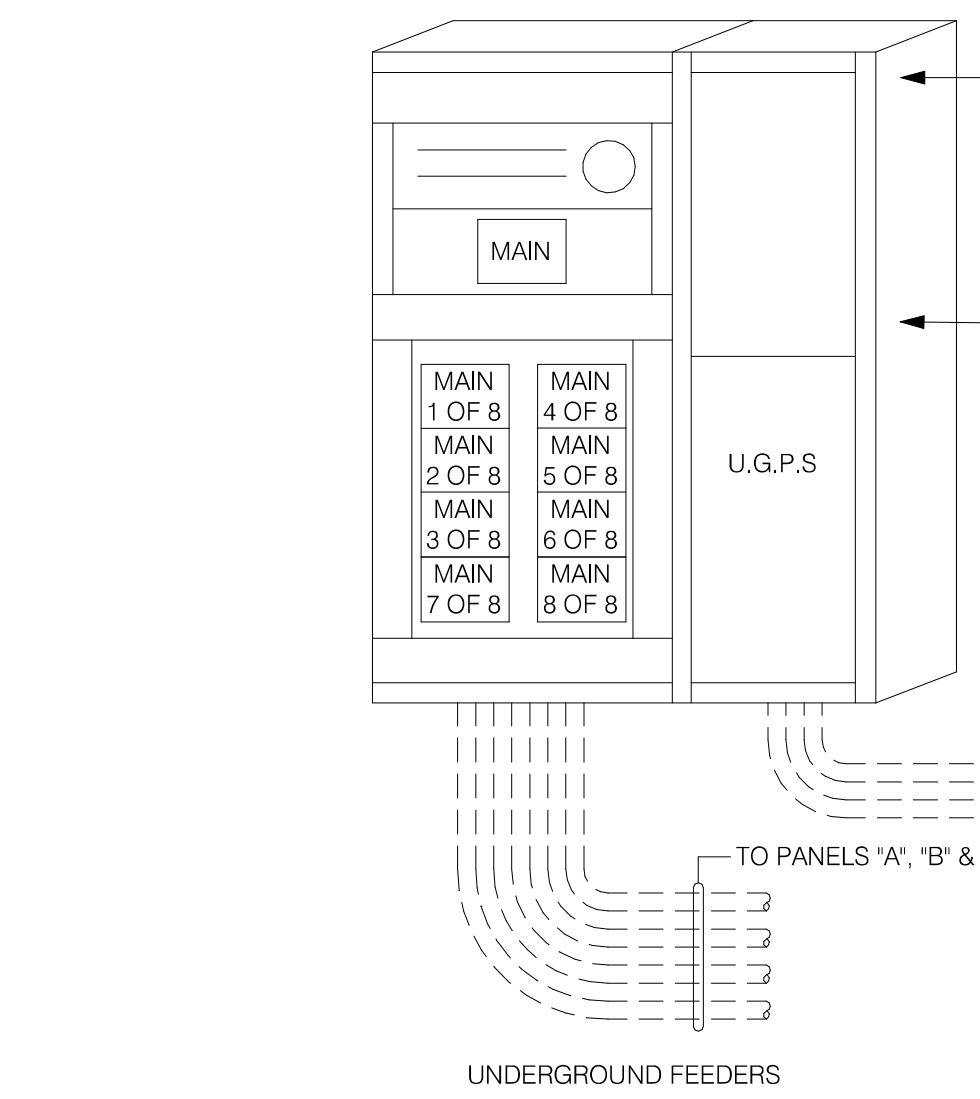


G SERVICE GROUNDING DETAILS NTS



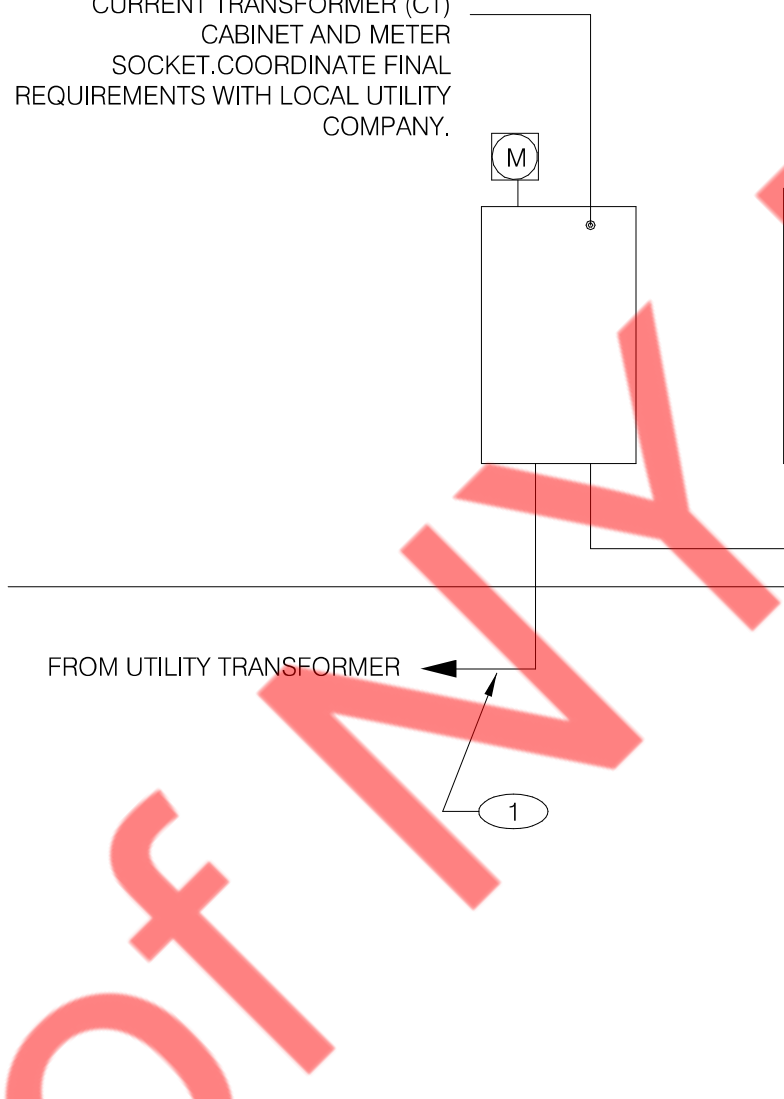
A SINGLE LINE DIAGRAM NTS

F TELEPHONE BOARD GROUNDING DETAILS NTS



E POINT OF SERVICE INDICATION NTS

F TELEPHONE BOARD GROUNDING DETAILS NTS



A SINGLE LINE DIAGRAM NTS

- ONE LINE DIAGRAM GENERAL NOTES**
- A. THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CIRCUIT BREAKERS LOCATED AT THE DISTRIBUTION PANEL "MDP" AND THE DOWNSTREAM A.I.C. RATED CIRCUIT BREAKERS AT PANELS "A", "B" & "C" BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE BY THE UTILITY.
 - B. THE NFPA-70 'SIX SWITCH' MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
 - C. E.C. TO COORDINATE WITH OWNER/LANDLORD AND VERIFY SCOPE OF WORKS DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS FOR ELECTRICAL SYSTEM PRIOR TO BIDDING AND ROUGH-IN.
 - D. IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE ENGINEER FOR A DECISION BEFORE PROCEEDING. E.C. SHALL COORDINATE AND VERIFY AVAILABLE SHORT CIRCUIT CURRENT WITH LOCAL UTILITY IN FIELD AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
 - E. CT CABINET AND METER SHALL BE PROVIDED BY UTILITY. COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
 - F. ALL WIRING SHOWN SHALL BE COPPER TYPE 'THHN/THWN' UNLESS NOTED OTHERWISE AND EXCEPT FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD MAY BE ALUMINUM.
 - G. ALL INSTALLATION SHALL MEET THE REQUIREMENTS OF RELEVANT NATIONAL, STATE AND LOCAL CODES AS REQUIRED BY AUTHORITY HAVING JURISDICTION PER PROJECT LOCATION.
 - H. ABOVE RISER DIAGRAM IS FOR REFERENCE PURPOSE ONLY.
 - I. E.C. SHALL VERIFY THE INCOMING SERVICE AMPERAGE, VOLTAGE, NUMBER OF PHASES, WIRE SIZE AND DISTRIBUTION IN FIELD.
 - J. E.C. SHALL VERIFY THE EXACT POWER DISTRIBUTION & INCOMING CONNECTION TO ALL PANELS IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND.
 - K. E.C. SHALL ENSURE THAT THE VOLTAGE DROP IS WITHIN THE LIMIT AS MENTIONED BY THE LOCAL AHJ REQUIREMENTS.
 - L. CONTRACTOR SHALL PROVIDE ALL REQUIRED ACCESSORIES/DEVICES/MATERIAL AS REQUIRED FOR PROPER FUNCTIONING OF ELECTRICAL SYSTEM AS PER CODES AND LOCAL AHJ REQUIREMENTS.

- ONE LINE DIAGRAM KEY NOTES**
- 1 PROPOSED 600A 120/208V, 3-PHASE, 4W ELECTRICAL SERVICE FROM THE UTILITY COMPANY. INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER LOCAL UTILITY COMPANY REQUIREMENTS. ROUTE (2) 4-350KCMIL IN 3"C TO UTILITY TRANSFORMER. COORDINATE ELECTRICAL SERVICE REQUIREMENTS WITH LOCAL UTILITY. E.C. TO COORDINATE WITH LANDLORD/UTILITY COMPANY FOR EXACT LOCATION AND FOR MORE DETAILS.
 - 2 PROPOSED 600A (MCB), 120/208V, 3-PH, 4W MAIN SWITCH BOARD (MDP) FOR THE PROJECT SPACE. PANEL MSB SHALL BE SERVICE ENTRANCE RATED. E.C. SHALL COORDINATE WITH OWNER/ LANDLORD FOR EXACT LOCATION.
 - 3 CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH LOCAL UTILITY COMPANY. E.C. SHALL SELECT THE SWITCHGEAR RATINGS IN ACCORDANCE WITH THE AIC RATINGS PROVIDED BY LOCAL UTILITY COMPANY.
 - 4 E.C. SHALL PROVIDE (3) 3/4" X 10' COPPER GROUND RODS INSTALLED 12' APART AND CONNECT GROUND SYSTEM PER NEC ARTICLE 250.
 - 5 E.C. SHALL PROVIDE PANEL "MDP" WITH AN ISOLATED GROUND BUS. BOND ISOLATED GROUND BUS TO COMMON GROUND.
 - 6 #2/0 GROUND IN 3/4" PVC TO GROUNDING COUNTERPOISE. PROVIDE AS PER NEC AND LOCAL AHJ REQUIREMENTS.
 - 7 PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE. FOR TELEPHONE SERVICE REQUIREMENTS COORDINATE WITH LOCAL SERVICE PROVIDER AND CABLE PROVIDER. BASE BID ACCORDINGLY.
 - 8 PROPOSED 200A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL "A". E.C. TO COORDINATE WITH OWNER/ARCHITECT FOR LOCATION. BASE BID ACCORDINGLY.
 - 9 PROPOSED 200A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL "B". E.C. TO COORDINATE WITH OWNER/ARCHITECT FOR LOCATION. BASE BID ACCORDINGLY.
 - 10 PROPOSED 100A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL "C". E.C. TO COORDINATE WITH OWNER/ARCHITECT FOR LOCATION. BASE BID ACCORDINGLY.
 - 11 PROVIDE THE GROUNDING AS PER APPLICABLE VERSION OF NEC CODE AND LOCAL AHJ.
 - 12 CONTRACTOR TO VERIFY AND PROVIDE PVC/METAL CONDUIT/PIPE AS PER LOCAL AHJ REGULATIONS.

2X4 FLUORESCENT FIXTURE 2X4 FLUORESCENT FIXTURE WITH BATTERY PACK 1X4 FLUORESCENT FIXTURE 1X4 FLUORESCENT FIXTURE WITH BATTERY PACK DOWNLIGHT FIXTURE SUSPENDED DOWNLIGHT FIXTURE PENDANT MOUNTED LIGHT FIXTURE TRACK MOUNTED PENDANT LIGHT FIXTURE DIRECTIONAL FIXTURE, TRACK MOUNTED DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY COOLER FIXTURE EXIT SIGN (WALL MOUNTED) EXIT SIGN (CEILING MOUNTED) SECURITY STROBE	NL NIGHTLIGHT CEILING MOUNTED SPEAKER WALL MOUNTED SPEAKER JUNCTION BOX WALL MOUNTED JUNCTION BOX TELEPHONE OUTLET DEDICATED GROUNDED OUTLET DUPLEX GROUNDED OUTLET DOUBLE DUPLEX GROUNDED OUTLET GROUND FAULT DUPLEX OUTLET GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED GROUND FAULT DEDICATED OUTLET CEILING DUPLEX OUTLET DUPLEX ISOLATED GROUND OUTLET DOUBLE DUPLEX ISOLATED GROUND OUTLET DEDICATED ISOLATED GROUND SPECIAL PURPOSE OUTLET CEILING SPECIAL PURPOSE OUTLET ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED. HOLD UP EMERGENCY BUTTON ELECTRICAL MOTOR DUCT MOUNTED SMOKE DETECTOR CONNECTION TO EQUIPMENT	FUSIBLE DISCONNECT SWITCH WITH STARTER FUSIBLE DISCONNECT SWITCH NON-FUSIBLE DISCONNECT SWITCH PHOTOCELL RAIN SENSOR FLUORESCENT WALL MOUNT FIXTURE EMERGENCY LIGHT SINGLE POLE, SINGLE THROW TOGGLE SWITCH SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT WALL MOUNTED OCCUPANCY SENSOR RELAY CONDUIT RUN, UNDERGROUND SMOKE DETECTOR EXTERIOR WALL FIXTURE EXTERIOR DECORATIVE WALL FIXTURE EXTERIOR DECORATIVE WALL FIXTURE WEATHERPROOF GROUND FAULT
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D ELECTRICAL LEGEND NTS

C ONE LINE DIAGRAM GENERAL NOTES NTS

B ONE LINE DIAGRAM KEY NOTES NTS

SAUCY, WILDWOOD

RISER DIAGRAM AND LEGEND

E2.0

PLOT DATE:

Branch Panel: A

Location: Supply From: MDP
 Mounting: Recessed
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: SERIES
 Mains Type: MCB
 Mains Rating: 225 A
 MCB Rating: 200 A

Notes:

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT	
1	#6_GAS FRYER	12	20 A	1	250 VA	667 VA		1	20 A	12	#8_REACH-IN REFRIGERATOR	2	
3	#1_REFRIGERATOR	12	20 A	1		480 VA	667 VA	1	20 A	12	#8_REACH-IN REFRIGERATOR	4	
5	#1_REFRIGERATOR	12	20 A	1			480 VA	747 VA	1	20 A	12	#28_SANDWICH/SALAD PREP	6
7	#6_GAS FRYER	12	20 A	1	840 VA	1440 VA		1	20 A	12	#26_DISPENSER, FROZEN BEVERAGE	8	
9	#6_GAS FRYER	12	20 A	1		840 VA	1020 VA	1	20 A	12	#24_DISPENSER	10	
11	#24_DISPENSER	12	20 A	1			1020 VA	1440 VA	1	20 A	12	#26_DISPENSER, FROZEN BEVERAGE	12
13	#22_ICE MAKER	12	20 A	1	1771 VA	1771 VA		1	20 A	12	#22_ICE MAKER	14	
15	#5_REACH-IN FREEZER	12	20 A	1		1320 VA	4347 VA						16
17	#4_CABINET, MOBILE, WARMING &...	10	25 A	1			2040 VA	4347 VA	2	60 A	6	#7_GRIDDLE	18
19	#2_HOLDING CABINET	12	20 A	1	1908 VA	--			1	--		SHUNT TRIP	20
21	#12_BREADER/SIFTER	12	20 A	1		184 VA	184 VA		1	20 A	12	#12_BREADER/SIFTER	22
23	#14_CHICKEN PREP SINK	12	20 A	1			184 VA	6304 VA					24
25	#3_HOLDING CABINET	12	20 A	2	1435 VA	6304 VA			3	60 A	6	#17_DISHWASHER	26
27						1435 VA	6304 VA						28
29	ANSUL SYSTEM	12	20 A	1			1000 VA	180 VA	1	20 A	12	KITCHEN DISPLAY SCREEN	30
31	OFFICE SECURITY SYSTEM	12	20 A	1	540 VA	360 VA			1	20 A	12	UTILITY RECEPTACLE/VA	32
33	OFFICE COMPUTER	12	20 A	1		360 VA	180 VA		1	20 A	12	OFFICE VIDEO TRAINING UNIT	34
35	OFFICE TELE/UTILITY RECEPTACLE	12	20 A	1			540 VA	400 VA	1	20 A	12	BASE STATION- D/T COMM. SYSTEM	36
37	CCTV AND DVR MONITOR	12	20 A	1	400 VA	500 VA			1	20 A	12	MUSIC SYSTEM	38
39	IRRIGATION TIMER	12	20 A	1		360 VA	0 VA		1	20 A		Spare	40
41	Spare	20 A	1				0 VA	0 VA	1	20 A		Spare	42
Total Load:					18187 VA		17682 VA			18683 VA			
Total Amps:					152 A		147 A			156 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	50731 VA	65.00%	32975 VA	Total Connected Load: 54551 VA Total Estimated Demand: 36795 VA Total Connected Current: 151 A Total Estimated Demand Current: 102 A System Voltage: 120/208 Wye
Power	0 VA	0.00%	0 VA	
Receptacle	3820 VA	100.00%	3820 VA	

Notes:

Branch Panel: B

Location: Supply From: MDP
 Mounting: Recessed
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: SERIES
 Mains Type: MCB
 Mains Rating: 225 A
 MCB Rating: 200 A

Notes:

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT	
1	P.O. SYSTEM	12	20 A	1	720 VA	720 VA		1	20 A	12	KITCHEN DISPLAY SCREEN	2	
3	SLIDING WINDOW	12	20 A	1		500 VA	1000 VA	1	20 A	12	J-BOX FOR DRIVE THRU WINDOW	4	
5	RECEPTACLE-LOCKERS	12	20 A	1			720 VA	5866 VA	2	20 A	12	#18_POWER SOAK	6
7	KITCHEN DISPLAY SCREEN	12	20 A	1	720 VA	5866 VA							8
9	RECEPTACLE-LOCKERS	12	20 A	1		720 VA	2100 VA						10
11	RECEPTACLE-LOCKERS	12	20 A	1			720 VA	2100 VA					12
13					930 VA	930 VA							14
15	WALK-IN COOLER	12	20 A	3		930 VA	930 VA						16
17							930 VA	930 VA					18
19					1320 VA	696 VA							20
21	WALK-N FREEZER	12	20 A	3		1320 VA	696 VA						22
23							1320 VA	696 VA					24
25					696 VA	403 VA							26
27	EF-2	12	20 A	3		696 VA	172 VA						28
29							696 VA	720 VA					30
31	DIGITAL PREVIEW BOARD	12	20 A	1	250 VA	250 VA							32
33	DRIVE THRU MENU BOARD/SPEAKER...	12	20 A	1			1000 VA	1000 VA					34
35							950 VA	0 VA					36
37	SITE LIGHTING	12	20 A	2	950 VA	0 VA							38
39	Spare	20 A	1				0 VA	0 VA					40
41	Spare	20 A	1				0 VA	0 VA					42
Total Load:					14451 VA		11065 VA			15648 VA			
Total Amps:					125 A		92 A			135 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	11731 VA	65.00%	7625 VA	Total Connected Load: 41164 VA Total Estimated Demand: 38158 VA Total Connected Current: 114 A Total Estimated Demand Current: 106 A System Voltage: 120/208 Wye
Lighting	4400 VA	125.00%	5500 VA	
Motor	4753 VA	100.00%	4753 VA	
Other	14240 VA	100.00%	14240 VA	
Power	0 VA	0.00%	0 VA	
Receptacle	6040 VA	100.00%	6040 VA	

Notes:

Branch Panel: C

Location: Supply From: MDP
 Mounting: Recessed
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: SERIES
 Mains Type: MCB
 Mains Rating: 125 A
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT	
1	RECEPTACLE - DINING AREA	12	20 A	1	1080 VA	1080 VA		1	20 A	12	RECEPTACLE - DINING AREA	2	
3	RECEPTACLE - DINING AREA	12	20 A	1		1080 VA	1080 VA		1	20 A	12	RECEPTACLE - DINING AREA	4
5	COUNTER TOP RECEPTACLE - DINING...	12	20 A	1			540 VA	720 VA	1	20 A	12	RECEPTACLE - DINING AREA	6
7	DIGITAL MONITOR - DINING AREA	12	20 A	1	180 VA	900 VA			1	20 A	12	KIOSK RECEPTACLE	8
9	RECEPTACLE - SAUCY SORIEE WALL &...	12	20 A	1		360 VA	360 VA		1	20 A	12	FULFILLMENT SAFE	10
11	FRONT COUNTER POS	12	20 A	1			180 VA	360 VA	1	20 A	12	RECEPTACLE - FRONT COUNTER	12
13	RECEPTACLE - DINING AREA	12	20 A	1	360 VA	1200 VA			1	20 A	12	HAND DRYER - WOMEN'S TOILET	14
15	HAND DRYER - MEN'S TOILET	12	20 A	1		1200 VA	1200 VA		1	20 A	12	HAND DRYER - STAFF TOILET	16
17	RECEPTACLE - EXTERIOR	12	20 A	1			720 VA	500 VA	1	20 A	12	WH-1	18
19	WH-2	12	20 A	1	500 VA	180 VA			1	20 A	12	DIGITAL HOOD	20
21	CEILING RECEPTACLES - DINING AREA	12	20 A	1		360 VA	540 VA		1	20 A	12	RECEPTACLE - UTILITY AREA	22
23	RECEPTACLES - EXTERIOR	12	20 A	1			900 VA	480 VA	1	20 A	12	EXTERIOR - FANS	24
25	LIGHTING - BOH & OFFICE	12	20 A	1	526 VA	457 VA			1	20 A	12	LIGHTNG - EXTERIOR	26
27	LIGHTING - EXTERIOR	12	20 A	1		1094 VA	594 VA		1	20 A	12	LIGHTING - DINING	28
29	LIGHTING - DINING	12	20 A	1			1490 VA	144 VA	1	20 A	12	LIGHTING - RESTROOMS	30
31	LIGHTING - WALK-IN'S	12	20 A	1	120 VA	1200 VA			1	20 A	12	LIGHTING EXTERIOR	32
33	TIMECLOCK	12	20 A	1		500 VA	1200 VA		1	20 A	12	EXTERIOR SIGNAGE	34
35	EXTERIOR SIGNAGE DT	12	20 A	1			1500 VA	0 VA	1	20 A		Spare	36
37	Spare	20 A	1		0 VA	0 VA			1	20 A		Spare	38
39	Spare	20 A	1			0 VA	0 VA		1	20 A		Spare	40
41	Spare	20 A	1				0 VA	0 VA	1	20 A		Spare	42
Total Load:					7762 VA		9568 VA			7534 VA			
Total Amps:					65 A		80 A			63 A			

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	8204 VA	125.00%	10255 VA	Total Connected Load: 24863 VA Total Estimated Demand: 26449 VA Total Connected Current: 69 A Total Estimated Demand Current: 73 A System Voltage: 120/208 Wye
Other	5580 VA	100.00%	5580 VA	
Receptacle	10980 VA	95.54%	10490 VA	
Lighting	100 VA	125.00%	125 VA	

Notes:

Branch Panel: MDP

Location: Supply From: Surface
 Mounting: Surface
 Enclosure: Type 3R

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: N/A
 Mains Type: N/A
 Mains Rating: 600 A
 MCB Rating: 600 A

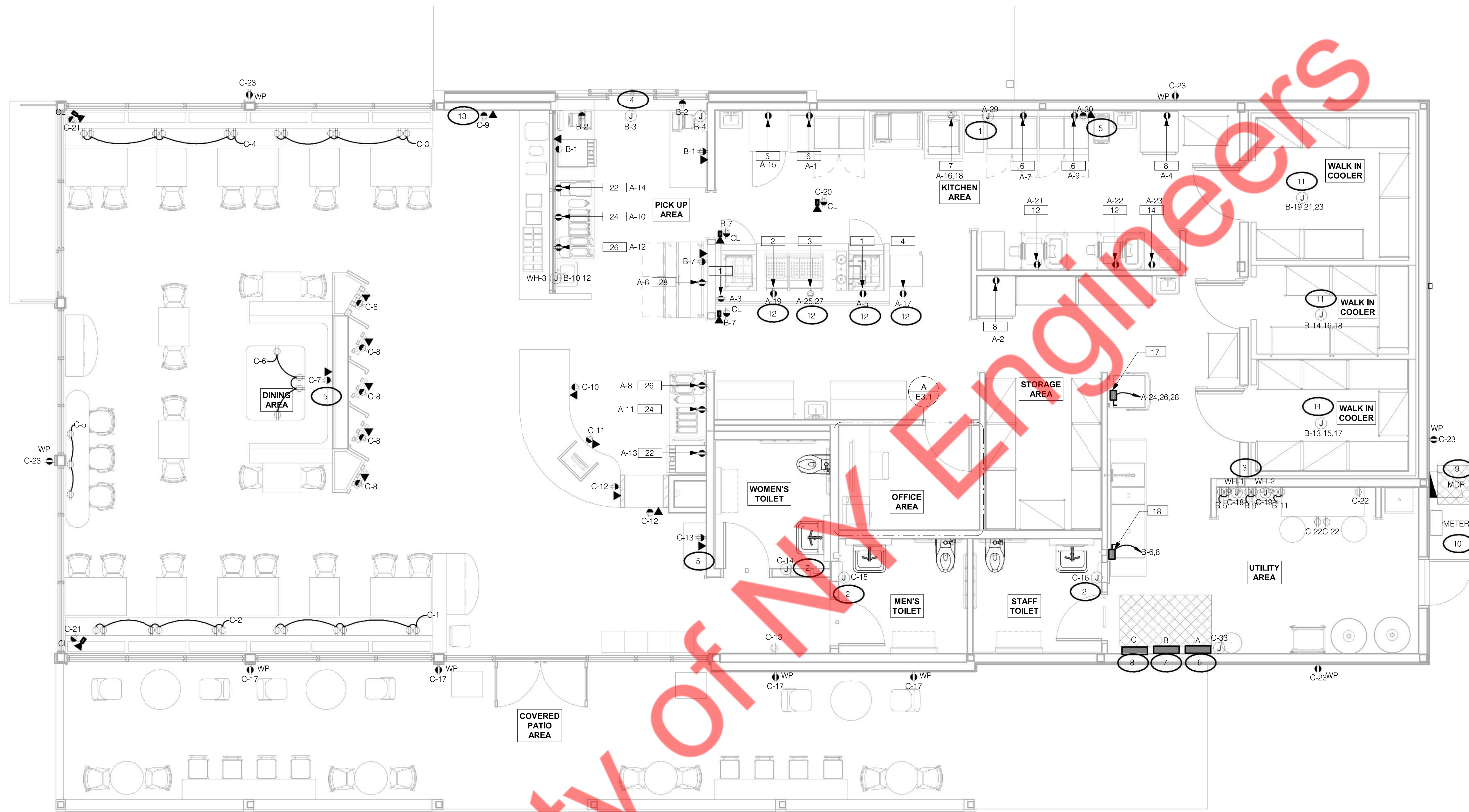
Notes:

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT		
1					7762 VA	14451 VA							2	
3	PANEL C		3	100 A	3		9568 VA	11065 VA		3	200 A	3/0	PANEL B	4
5								7534 VA	15648 VA					6
7	PANEL A		3/0	200 A	3	18187 VA	5043 VA			3	60 A	6	RTU-2	8
9							17682 VA	5043 VA						10
11					9126 VA	5043 VA								12
13								18683 VA	5043 VA					14
15	RTU-1		1	110 A	3		9126 VA	5043 VA		3	60 A	6	RTU-3	16
17								9126 VA	5043 VA					18
19					4515 VA	--				1	--		Space	20
21	SF-1		8	50 A	3		4515 VA	--		1	--		Space	22
23								4515 VA	--	1	--		Space	24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42
Total Load:					64127 VA		62043 VA			65593 VA				
Total Amps:					537 A		517 A			549 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	62462 VA	65.00%	40601 VA	Total Connected Load: 191762 VA Total Estimated Demand: 167656 VA Total Connected Current: 532 A Total Estimated Demand Current: 465 A System Voltage: 120/208 Wye
HVAC	71184 VA	100.00%	71184 VA	
Lighting	12604 VA	125.00%	15755 VA	
Motor	4753 VA	100.00%	4753 VA	
Other	19820 VA	100.00%	19820 VA	
Power	0 VA	0.00%	0 VA	
Receptacle	20840 VA	73.99%	15420 VA	
Lighting	100 VA	125.00%	125 VA	

Notes:

- A. PROVIDE ISOLATED GROUND FOR REQUIRED CIRCUITS. REFER POWER PLAN FOR RECEPTACLES AND ASSOCIATED CIRCUITS REQUIRED ISOLATED GROUND.
- B. BREAKER SIZES, EQUIPMENT LOADS, AND FINAL CONNECTIONS MUST BE VERIFIED WITH FINAL EQUIPMENT SPECIFICATIONS.
- C. ALL CIRCUITING SHOWN IS FOR REFERENCE PURPOSE ONLY. E.C. SHALL VERIFY THE ELECTRICAL REQUIREMENT FOR CIRCUITING IN FIELD AS PER THE FINAL ELECTRICAL LOAD AND INFORM ENGINEER FOR ANY DISCREPANCIES. BASE BID ACCORDINGLY.
- D. E.C. SHALL COORDINATE WITH WALK-IN SUPPLIER FOR THE BREAKER AND CABLE REQUIREMENT AND ACCORDINGLY PROVIDE THE ELECTRICAL CONNECTIONS AS PER REQUIREMENTS IN FIELD.
- E. ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED



POWER PLAN 1/4" = 1'-0" **A**

- A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.
- C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.
- D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURERS SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURERS SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.
- J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.

- K. ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS, INSTALLED IN THE LOCATIONS SPECIFIED IN 210.8(B) SHALL HAVE GFCI PROTECTION. IF GFI RECEPTACLE IS NOT AVAILABLE THEN PROVIDE THE GFI BREAKER IN PANELS.
- L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- M. CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.
- N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY."
- O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.
- P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.
- Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.
- R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.
- S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

- 1 JUNCTION BOX FOR ANSUL SYSTEM. LOCATE ABOVE CEILING.
- 2 JUNCTION BOX FOR 120V CONNECTION TO WASHBAR STATION/HAND DRYER IN RESTROOM. COORDINATE FINAL MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- 3 E.C. TO COORDINATE THE EXACT LOCATION OF PLUMBING EQUIPMENTS WITH PLUMBING CONTRACTOR. PROVIDE THE ELECTRICAL CONNECTION AS PER FINAL SELECTION OF PLUMBING EQUIPMENT IN FIELD.
- 4 JUNCTION BOX FOR AUTOMATED SLIDING DOOR (IF REQUIRED), ELECTRICAL REQUIREMENTS FOR AUTOMATIC SLIDING DOOR SHALL BE COORDINATED WITH SLIDING DOOR SUPPLIER / MANUFACTURER. COORDINATE WITH ARCHITECT FOR FINAL LOCATION OF SLIDING DOORS.
- 5 COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF OUTLET WITH ARCHITECT/OWNER.
- 6 NEW 200A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL 'A' FOR THE PROJECT SPACE. E.C. SHALL COORDINATE WITH LANDLORD/OWNER FOR THE EXACT LOCATION OF THE ELECTRICAL PANEL 'A' IN FIELD.
- 7 NEW 200A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL 'B' FOR THE PROJECT SPACE. E.C. SHALL COORDINATE WITH LANDLORD/OWNER FOR THE EXACT LOCATION OF THE ELECTRICAL PANEL 'B' IN FIELD.

- 8 NEW 100A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL 'C' FOR THE PROJECT SPACE. E.C. SHALL COORDINATE WITH LANDLORD/OWNER FOR THE EXACT LOCATION OF THE ELECTRICAL PANEL 'C' IN FIELD.
- 9 NEW 600A (MCB) 120/208V, 3-PHASE, 4W ELECTRICAL PANEL 'MDP' FOR THE PROJECT SPACE. E.C. SHALL COORDINATE WITH LANDLORD/OWNER FOR THE EXACT LOCATION OF THE ELECTRICAL PANEL 'MDP' IN FIELD.
- 10 NEW 600A, 3PHASE, 4W ELECTRICAL UTILITY METER AND CT CABINET FOR THE PROJECT SPACE. E.C SHALL VERIFY THE EXACT LOCATION OF THE ELECTRICAL UTILITY METER AND CT CABINET WITH THE ARCHITECT/LANDLORD/OWNER IN FIELD.
- 11 REFER TO ROOF PLAN FOR LOCATION OF CONDENSING UNIT. CONTRACTOR SHALL COORDINATE WITH WALK-IN COOLER SUPPLIER/OWNER FOR EXACT ELECTRICAL REQUIREMENTS, AND ACCORDINGLY PROVIDE THE ELECTRICAL CONNECTIONS. REFER TO ROOF POWER PLAN FOR LOCATION OF CONDENSER UNITS.
- 12 E.C SHALL COORDINATE THE FLOOR OUTLETS LOCATION AND EXACT POWER PROVISION/REQUIREMENT WITH THE OWNER/EQUIPNET VENDOR FOR EQUIPMENTS IN THIS AREA. REPORT ENGINEER ON RECORD FOR ANY DISCREPANCY PRIOR BIDDING. BASE BID ACCORDINGLY.
- 13 POWER FOR DIGITAL TICKER. E.C. SHALL COORDINATE EXACT LOCATION, MOUNTING HEIGHT OF ELECTRICAL OUTLET IN FIELD WITH ARCHITECT/OWNER.

GENERAL NOTES - ELECTRICAL POWER PLAN NTS **C**

KEY NOTES - ELECTRICAL POWER PLAN NTS **B**

SAUCY, WILDWOOD

POWER PLAN

E3.0

PLOT DATE:

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:

- * AS A SAFETY PATH TO GROUND.
- * AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

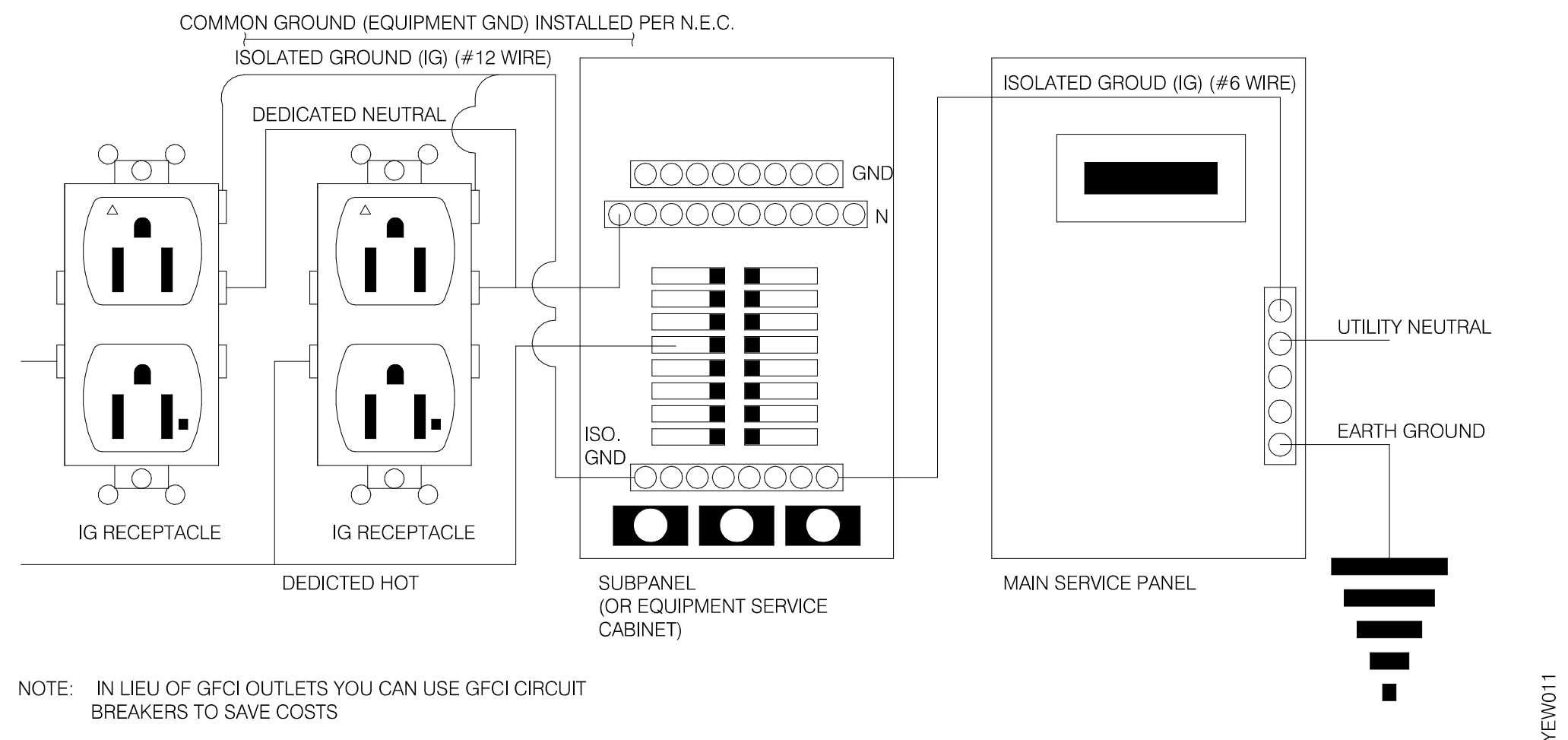
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

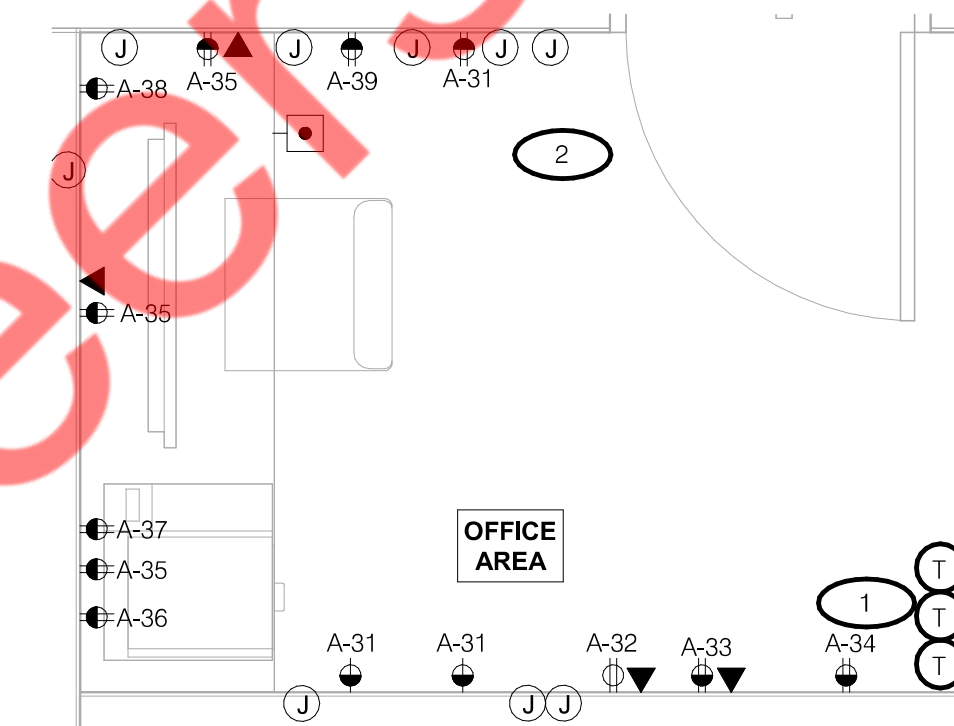
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE "PHASE ALIGNED" WITH THE "B" PHASE OF BUILDING SUBPANEL "A".



P.O.S. ISOLATED GROUND SYSTEM NTS

B



COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS.

ENLARGE POWER PLAN NTS

A

- 1 THERMOSTAT CONTROLS. COORDINATE WITH MECHANICAL CONTRACTOR EXACT LOCATION OF THERMOSTAT CONTROL AND FOR MORE DETAILS.
- 2 COORDINATE EXACT LOCATION OF THE RECEPTACLE IN FIELD WITH ARCHITECT/OWNER.

SAUCY, WILDWOOD

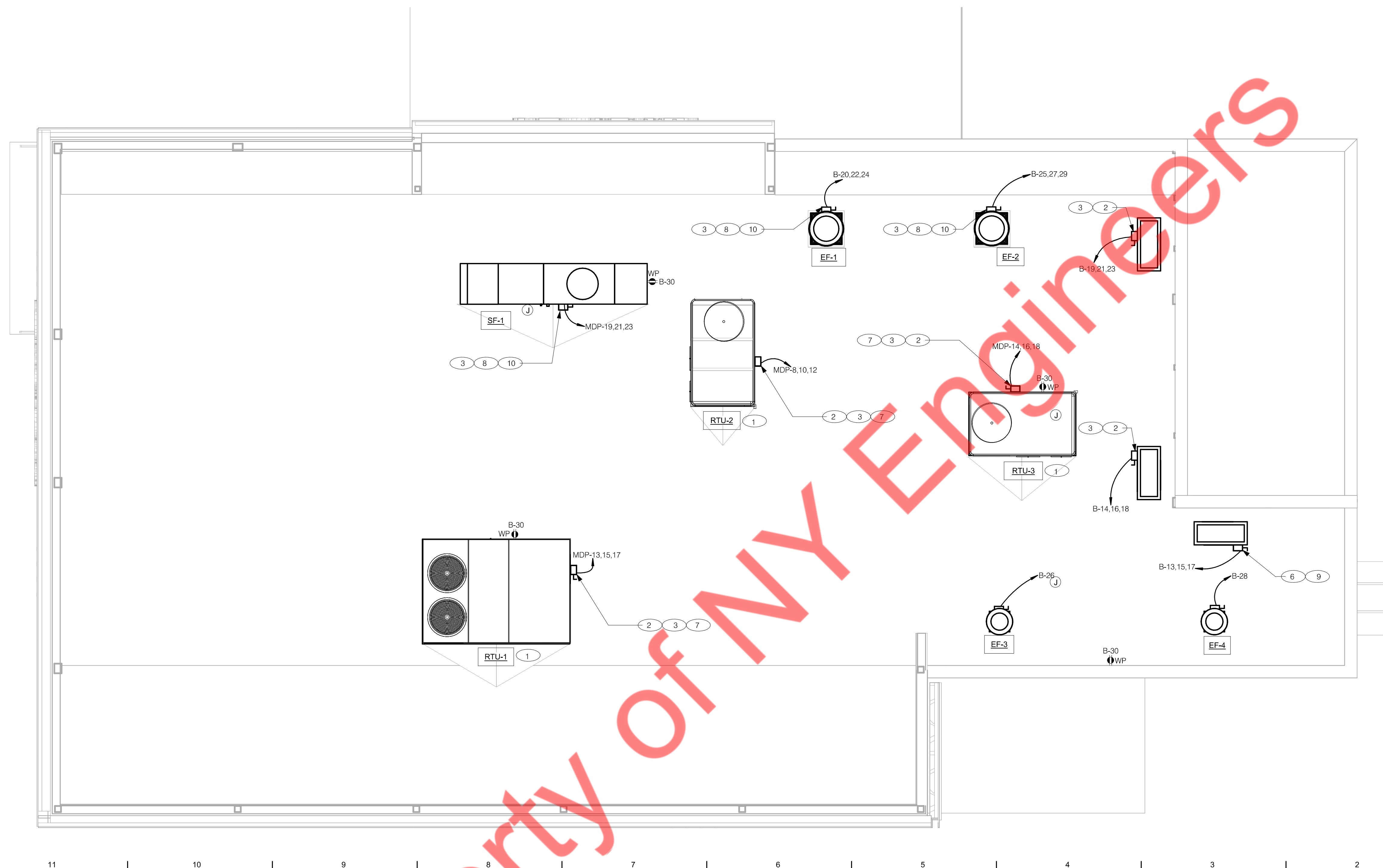
ENLARGED
POWER PLAN
AND DETAILS

E3.1

KEY NOTES NTS

C

PLOT DATE:



POWER ROOF PLAN 1/4" = 1'-0" **A**

A. CONTRACTOR SHALL ENSURE NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
 B. CONTRACTOR SHALL COORDINATE ALL CUTS IN ROOFING MEMBRANE TO BE MINIMAL AND IN ACCORDANCE WITH ROOFING MANUFACTURERS AND INSTALLERS REQUIREMENTS.
 C. FOR FINAL ELECTRICAL CONNECTION REQUIREMENTS, MECHANICAL SCHEDULE SHALL BE REFERRED BY THE CONTRACTOR.
 D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS, UNLESS NOTED OTHERWISE.
 E. E.C. SHALL ENSURE THAT ALL EXHAUST FANS CONDUITS SHALL BE ROUTED INSIDE OF CURB.
 F. COORDINATE WITH RTU MANUFACTURER FOR ROUTING RECOMMENDATIONS FOR ALL CONDUITS TO AND FROM RTU. CONDUITS SHALL BE ROUTED INSIDE OF RTU CURB.
 G. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ALL WIRING AND CONDUITS SHALL BE CONCEALED.

H. CONTRACTOR TO ENSURE ALL OUTLETS AND JUNCTION BOXES BEHIND SIGNAGE SHALL BE RECESSED OR FLUSH WITH BUILDING FINISH SURFACE.
 I. INSTALL BOXES AND CONDUITS IN SUCH LOCATIONS WHERE THEY ARE LOCATED WITHIN CONCRETE POURS PRIOR TO POURING OF CONCRETE. COORDINATE WITH OTHER TRADES.
 J. PROVIDE UNISTRUT MOUNTING SYSTEM FOR DISCONNECT SWITCHES AND RECEPTACLES.
 K. PROVIDE ALL REQUIRED DISCONNECT SWITCH, WIRE, CONDUITS AS PER MECHANICAL EQUIPMENT REQUIREMENTS.
 L. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT CONTROLLING OF MECHANICAL EQUIPMENTS.

- 1 PROVIDE CONNECTION FROM RETURN AIR DUCT SMOKE DETECTORS TO MECHANICAL CONTROL CIRCUIT PER DETAIL 15/E6.0, AND FIRE ALARM SYSTEM (IF PRESENT).
- 2 SPECIFIED RTU SHALL BE SUPPLIED THROUGH THE BASE ELECTRICAL CONNECTIONS AND FACTORY INSTALLED HACR DISCONNECT SWITCH WITH WEATHER TIGHT ENCLOSURE AND ACCESS THROUGH SWINGING DOOR.
- 3 ELECTRICAL POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT. COORDINATE EXACT CONNECTION REQUIREMENT WITH MECHANICAL CONTRACTOR.
- 4 EF-1 SHALL BE CONNECTED AND CONTROLLED THROUGH LIGHTING CIRCUIT IN THE REST ROOMS
- 5 PROVIDE 30A/2P/3R DISCONNECT AND 3/4" WITH REQUIRED CONDUCTORS TO JUNCTION BOX IN CEILING ABOVE ICE CUBER. MAKE FINAL CONNECTION TO ICE CUBER AND ASSOCIATED CONDENSING UNIT. REFER TO POWER PLAN E3.0 FOR CIRCUITING CONTINUATION TO ICE CUBER.
- 6 REFER TO POWER PLAN E3.0 FOR CIRCUITING CONTINUATION TO COOLER/FREEZER WALK-IN BOX.
- 7 UNIT SHALL BE PROVIDED WITH BUILT-IN DISCONNECT, SINGLE POINT WIRING, AND CONVENIENCE OUTLET.
- 8 30A/1P/3R DISCONNECT SWITCH FOR FAN.
- 9 VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER. PROVIDE ALL APPURTENANCES FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 10 SUPPLY AND EXHAUST FAN SHALL BE INSTALLED BY MECHANICAL CONTRACTOR. E.C. SHALL PROVIDE THE ELECTRICAL CONNECTION AND CONTROLS. HOOD FAN SHALL BE CONTROLLED BY SWITCH IN FACE OF HOOD. SEE MECHANICAL DRAWINGS FOR MORE DETAILS.

GENERAL NOTES - ELECTRICAL POWER ROOF PLAN NTS **C**

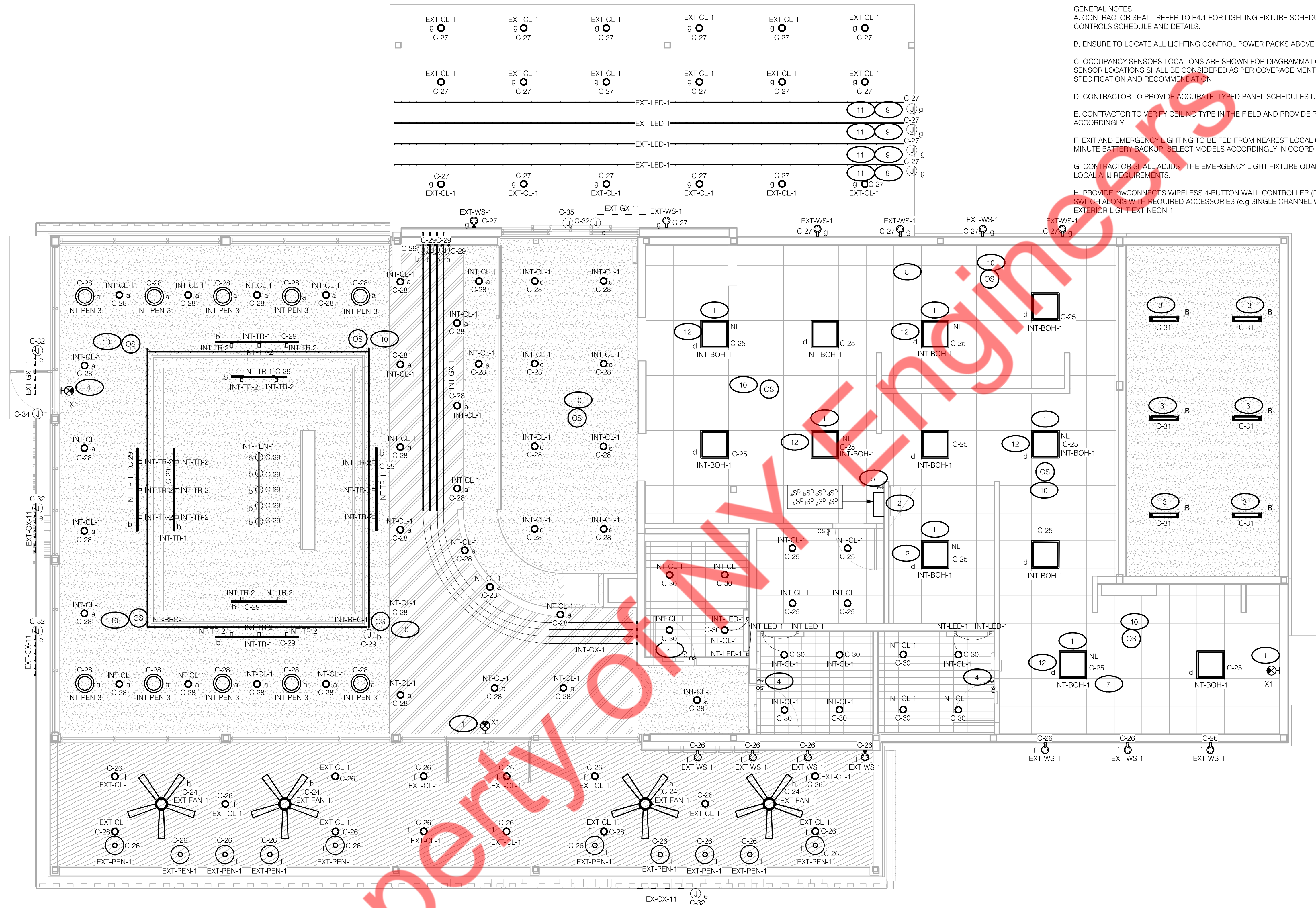
KEY NOTES - ELECTRICAL POWER ROOF PLAN NTS **B**

SAUCY, WILDWOOD

ROOF POWER PLAN

E3.2

PLOT DATE:



GENERAL NOTES:
 A. CONTRACTOR SHALL REFER TO E4.1 FOR LIGHTING FIXTURE SCHEDULE AND E4.2 FOR LIGHTING CONTROLS SCHEDULE AND DETAILS.
 B. ENSURE TO LOCATE ALL LIGHTING CONTROL POWER PACKS ABOVE ACCESSIBLE CEILING.
 C. OCCUPANCY SENSORS LOCATIONS ARE SHOWN FOR DIAGRAMMATICAL PURPOSES. FINAL OCCUPANCY SENSOR LOCATIONS SHALL BE CONSIDERED AS PER COVERAGE MENTIONED IN MANUFACTURER SPECIFICATION AND RECOMMENDATION.
 D. CONTRACTOR TO PROVIDE ACCURATE, TYPED PANEL SCHEDULES UPON JOB COMPLETION.
 E. CONTRACTOR TO VERIFY CEILING TYPE IN THE FIELD AND PROVIDE PROPER MOUNTING HARDWARE ACCORDINGLY.
 F. EXIT AND EMERGENCY LIGHTING TO BE FED FROM NEAREST LOCAL CIRCUIT AND HAVE INTEGRAL 90 MINUTE BATTERY BACKUP. SELECT MODELS ACCORDINGLY IN COORDINATION WITH ARCHITECT/OWNER.
 G. CONTRACTOR SHALL ADJUST THE EMERGENCY LIGHT FIXTURE QUANTITY AND LOCATION TO MEET THE LOCAL AHJ REQUIREMENTS.
 H. PROVIDE mCONNECT'S WIRELESS 4-BUTTON WALL CONTROLLER (PSC-DM-WS-400-BLE-SR) DIMMER SWITCH ALONG WITH REQUIRED ACCESSORIES (e.g SINGLE CHANNEL WIRELESS ROOM CONTROLLER) FOR EXTERIOR LIGHT EXT-NEON-1

ELECTRICAL LIGHTING PLAN 1/4" = 1'-0" **A**

- 1 PROVIDE FIXTURE WITH INTEGRAL 90 MINUTE BATTERY BACK-UP. SEE CONTROLS SCHEDULE ON SHEET E3.2 FOR MORE INFORMATION.
- 2 COORDINATE FINAL SWITCH LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. (1) ON/OFF SWITCH SHALL CONTROL KITCHEN. (1) ON/OFF SWITCH SHALL CONTROL EXTERIOR LIGHTS. (4) DIMMING SWITCHES SHALL CONTROL WAITING AND SERVING AREAS AND (1) DIMMING SWITCH FOR CONTROL EXT-NEON LIGHTS. REFER TO LIGHTING CONTROL DETAIL ON THIS SHEET.
- 3 LIGHTING FURNISHED WITH WALK IN COOLER/FREEZER. COORDINATE COOLER/FREEZER LIGHTING CONTROL AND CONNECTION WITH WALK IN COOLER/FREEZER MANUFACTURER AND OWNER.
- 4 PROVIDE OCCUPANCY WALL SWITCH WITH ADDITIONAL RELAY FOR CONTROL OF LOCAL EXHAUST FAN. SET OFF TIME TO 20 MINUTES FOR RESTROOM/OFFICE APPLICATIONS. SET DIP SWITCH TO AUTOMATIC ON.
- 5 PROVIDE 2 HOUR OVERRIDE SWITCH. COORDINATE EXACT LOCATION WITH OWNER REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO LIGHTING CONTROL DETAIL ON THIS SHEET.
- 6 NOT USED.
- 7 LIGHTING NEAR THE ELECTRICAL PANELS SHALL NOT BE CONTROLLED BY ANY AUTOMATIC MEANS AND SHALL BE COMPILED AS PER NEC 110.26(D)
- 8 HOOD LIGHTING SUPPLIED ALONG WITH HOOD. E.C. TO PROVIDE THE ELECTRICAL CONNECTION IN COORDINATION WITH HOOD SUPPLIER.
- 9 JUNCTION BOX FOR STRIP LIGHT. FINAL LOCATION STRIP LIGHT(EXT-LED-1)OF TO BE COORDINATED IN FIELD WITH THE ARCHITECT/OWNER.
- 10 PROVIDE LOW VOLTAGE OCCUPANCY SENSOR. PROVIDE POWER PACK(S) AS REQUIRED. INTERCONNECT OCCUPANCY SENSORS SO THAT ANY SENSOR WILL TRIGGER ALL LIGHTS. SET OFF TIME AS PER APPLICABLE ENERGY CODE.
- 11 E.C. SHALL COORDINATE WITH CANOPY SUPPLIER/MANUFACTURER FOR THE CANOPY LIGHTS. PROVIDE ELECTRICAL SUPPLY ACCORDINGLY.
- 12 WIRE FIXTURE MARKED AS NIGHT LIGHT (NL) AHEAD OF SWITCHING FOR CONTINUOUS OPERATIONS.

SAUCY, WILDWOOD

LIGHTING PLAN

E4.0

PLOT DATE:

LIGHT FIXTURE									LAMP				
TYPE	QTY	LOCATION	DESCRIPTION	MRG/CATALOG NUMBER	HEIGHT	LUMEN OUTPUT	BEAM SPREAD	COLOR TEMP	QTY/FIX	DESCRIPTION	CATALOG NUMBER	WATTS	VOLTS
INT-CL-1	62	OPEN CEILING PENDANT	WHITE INTEGRATED LED CYLINDER 3000K WITH ADJUSTABLE AIRCRAFT CABLE FOR MOUNTING WHITE FINISH	<u>LED-RDL-EX-4-3P12-5CCT-WH-SM</u>	5"	1400	30	3000K	1	LED	<u>LED</u>	12W	120 volts
INT-GX-1	152FT	INTERIOR NEON LIGHT	FLEX NEON LRUDR8 0.8" ROUND LENS INDOOR/OUTDOOR 24VDC LEFT/RIGHT & UP/DOWN BEND, STATIC WHITE, WARM DIM & TUNABLE WHITE	<u>PURE EDGE: FN-LRUDR8-5W5-CUSTOM-TC-EEW</u>	-	342 LM/FT	165	27K	N/A	LED	<u>LED</u>	4.4W/FT	120 volts
EX-LED-1	148FT	EXTERIOR NEON LIGHT	FLEX NEON LRUDR8 0.8" ROUND LENS INDOOR/OUTDOOR 24VDC LEFT/RIGHT & UP/DOWN BEND, STATIC WHITE, WARM DIM & TUNABLE WHITE	<u>PURE EDGE: FN-LRUDR8-5W5-CUSTOM-TC-EEW</u>	-	342 LM/FT	165	27K	N/A	LED	<u>LED</u>	4.4W/FT	120 volts
INT-PEN-1	5	OPEN AREAS / DINING AREA	PENDANT LIGHT	<u>BOCK: 20240716-GLOBE-WH-06</u> <u>ERAL9016/G9/SNAKE-5FT-SP-RAL2000</u> <u>SATCO:</u> <u>S11234 SATCO 5W/LED/G9/830/CL/DIM</u>	-	-	-	-	-	LED	<u>LED</u>	6 watts	120V
INT-PEN-3	10	OPEN AREAS / DINING AREA	TBD	<u>TBD</u>	-	-	-	-	-	LED	<u>LED</u>	15 watts	<u>TBD</u>
EXT-PEN-1	10	EXTERIOR LIGHTS	EXTERIOR PENDANT LIGHT	<u>OP2120 SHORT CAPL30K(L) M VOLT AC</u>	-	-	-	3000K	-	LED	<u>LED</u>	10 watts	120 volts
INT-REC-1	72FT	OPEN AREAS / DINING AREA	RECESSED LINEAR LIGHT FIXTURE	<u>CORONET: LSR3 RECESSED</u>	-	-	-	-	N/A	LED	<u>LED</u>	7.5 WATTS/FT	120 volts
EX-CL-1	32	EXTERIOR ADJUSTABLE ARTWORK LIGHTS	4" WET RATED LED DOWNLIGHT WHITE FINISH DIMMABLE VIA TRAIAC WITH 5CCT (2700 3000 3500 4000) EC TO SET ALL LIGHTS TO 3000K	<u>ENVISION: LED-DJIBX-ADJ-4-18-5CCT-WH-R</u>	3 1/4"	1,500	38	<u>2700K 3000K</u> <u>3500K 4000K</u> <u>5000K</u>	1	LED	<u>LED</u>	18 watts	120 volts
EXT-GX-11	20	EXTERIOR LIGHTS	TBD	<u>TBD</u>	-	-	-	-	1	TBD	<u>TBD</u>	15 watts	120 volts
INT-BOH-1	12	KITCHEN LIGHTS	2X2 BACK LIT LED PANEL COLOR SELECTABLE AND LUMEN SELECTABLE WITH EM BATTERY BACK UP	<u>ENVISION: LED-BPL-2X2-3M40-4CCT-EMB</u>	2 3/4"	2200/3300/4400	N/A	3000K 3500K 4000K 5000K	1	LED	<u>LED</u>	40 watts	120 volts
INT-TR-1	62FT	DINING AREA	CONTECH LT-8 SINGLE CIRCUIT TRACK, WHITE	<u>CONTECH: LT SERIES, SINGLE CIRCUIT LINE VOLTAGE</u> <u>TRACK, LT-8</u>	4 1/4"	650	38	3000K	1	LED	<u>LED</u>	6 watts	120 volts
INT-TR-2	19	DINING AREA	TRACK LIGHTS CYLINDRICAL	<u>LF ILLUMINATION :TZA01-B-J-13C-92-30-M-D1-1-WW</u>	4 1/4"	650	38	3000K	1	LED	<u>LED</u>	13 watts	120 volts
INT-LED-1	6	RESTROOM AREA	DRIVERLESS TOP WHITE STATIC BENDING LED NEON	<u>DL-AC-FLEX2-LNTB-EC</u>	-	-	-	-	1	LED	<u>LED</u>	4.2W/FT	120 volts
EXT-WS-1	12	EXTERIOR WALL LIGHT	THE BLADE OUTDOOR LED FAÇADE FITTING SPECIFICALLY CONCEIVED TO ILLUMINATE FACADES WITH CRI: RA80.	<u>RGBW3.DMX.0.2S.L.C30.2.45/60.G.PC/M/T</u>	5 3/4"	3203	WALL WASH	3000K	1	LED	<u>LED</u>	15 watts	120 volts
X1	3	EXIT SIGN	UNIVERSAL MOUNT EXIT SIGN WHITE FINISH RED LETTERS	<u>ELITE: ELX-LED-703-R-W</u>	8"	N/A	N/A	N/A	1	LED	<u>LED</u>	4 watts	120 volts
EXT-FAN-1	4	EXTERIOR FAN	OUTDOOR CEILING FAN 52", 5 BLADES, 3000K, GLASS SHADES	<u>KICHLER: 310126SBK</u>	8"	N/A	N/A	3000K	1	LED	<u>LED</u>	57 watts	120 volts

Property of SAUCY, WILDWOOD ONLY Engineers

SAUCY, WILDWOOD

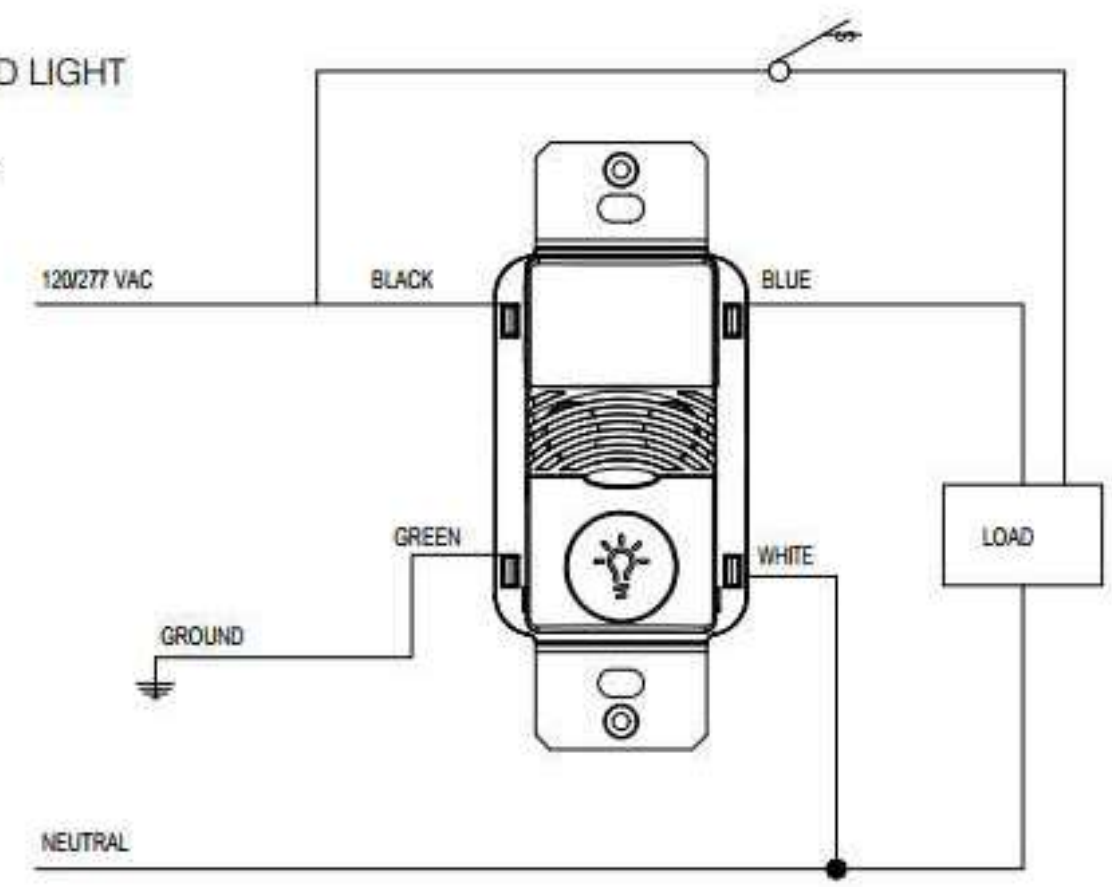
**LIGHTING
FIXTURE
SCHEDULE**

E4.1

MANUAL MODE OPERATION:
 PUSHBUTTON PRESS IS REQUIRED TO TURN LOAD ON.
 LOAD TURNS OFF WHEN SENSOR TIMES OUT OR BY PRESSING PUSH BUTTON.
 IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

AUTOMATIC MODE OPERATION:
 WHEN SENSOR ACTIVATES LOAD TURNS ON. PUSHBUTTON CAN BE USED TO TURN LOAD ON OR OFF. IF PUSHBUTTON IS USED TO TURN LOAD OFF, SENSOR MUST TIME OUT FIRST, BEFORE LOAD CAN TURN BACK ON AUTOMATICALLY.
 IF DAYLIGHT SENSOR IS ENABLED AND LIGHT LEVEL IS ABOVE SETPOINT, LOAD WILL NOT TURN ON.

SENSOR TYPES INCLUDE:
 ONW-D-1001-MV-N



WIRING DIAGRAM - LOW VOLTAGE WALL SWITCH SENSOR NTS

C

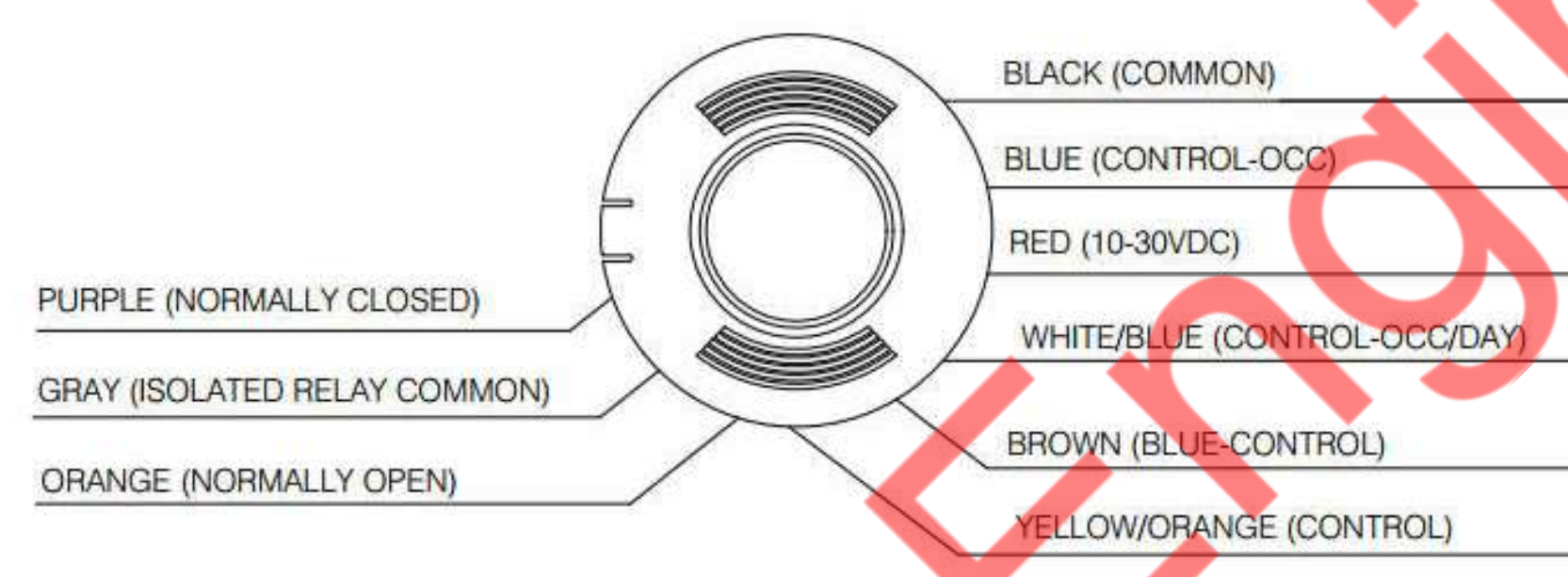
OAC AND VAC MANUAL MODE OPERATION:

1. SWITCHES ARE REQUIRED TO TURN LOAD ON.
2. LOAD TURNS OFF WHEN SENSOR TIMES OUT OR WITH SWITCH.

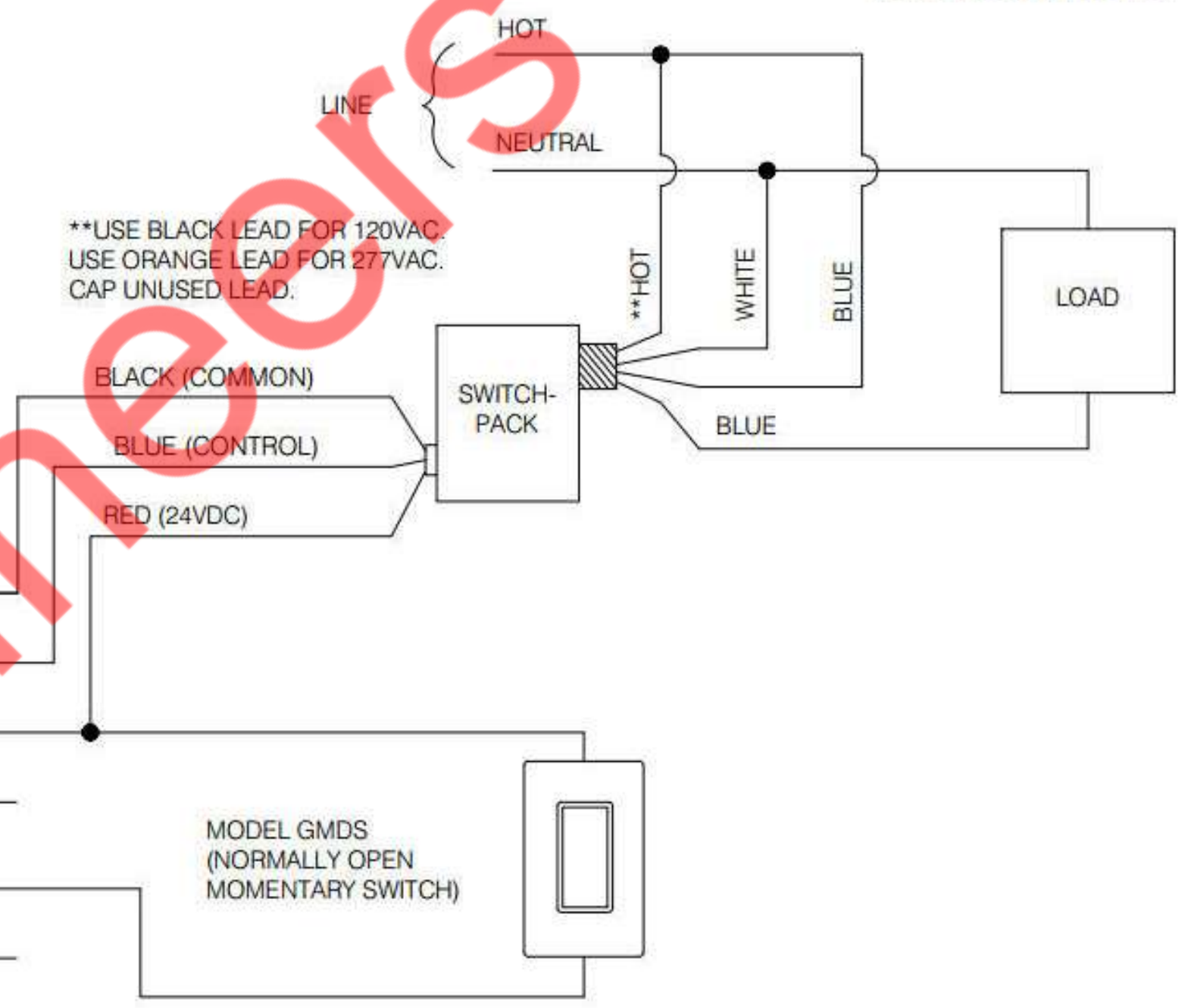
OAC AUTOMATIC MODE OPERATION:

1. WHEN SENSOR ACTIVATES LOAD TURNS ON.
2. SWITCH CAN BE USED TO TURN LOAD ON OR OFF.

RECOMMENDED WIRE:
 18-3 AWG STRANDED WIRE SHIELDED OR NON/SHIELDED



**USE BLACK LEAD FOR 120VAC, USE ORANGE LEAD FOR 277VAC, CAP UNUSED LEAD.

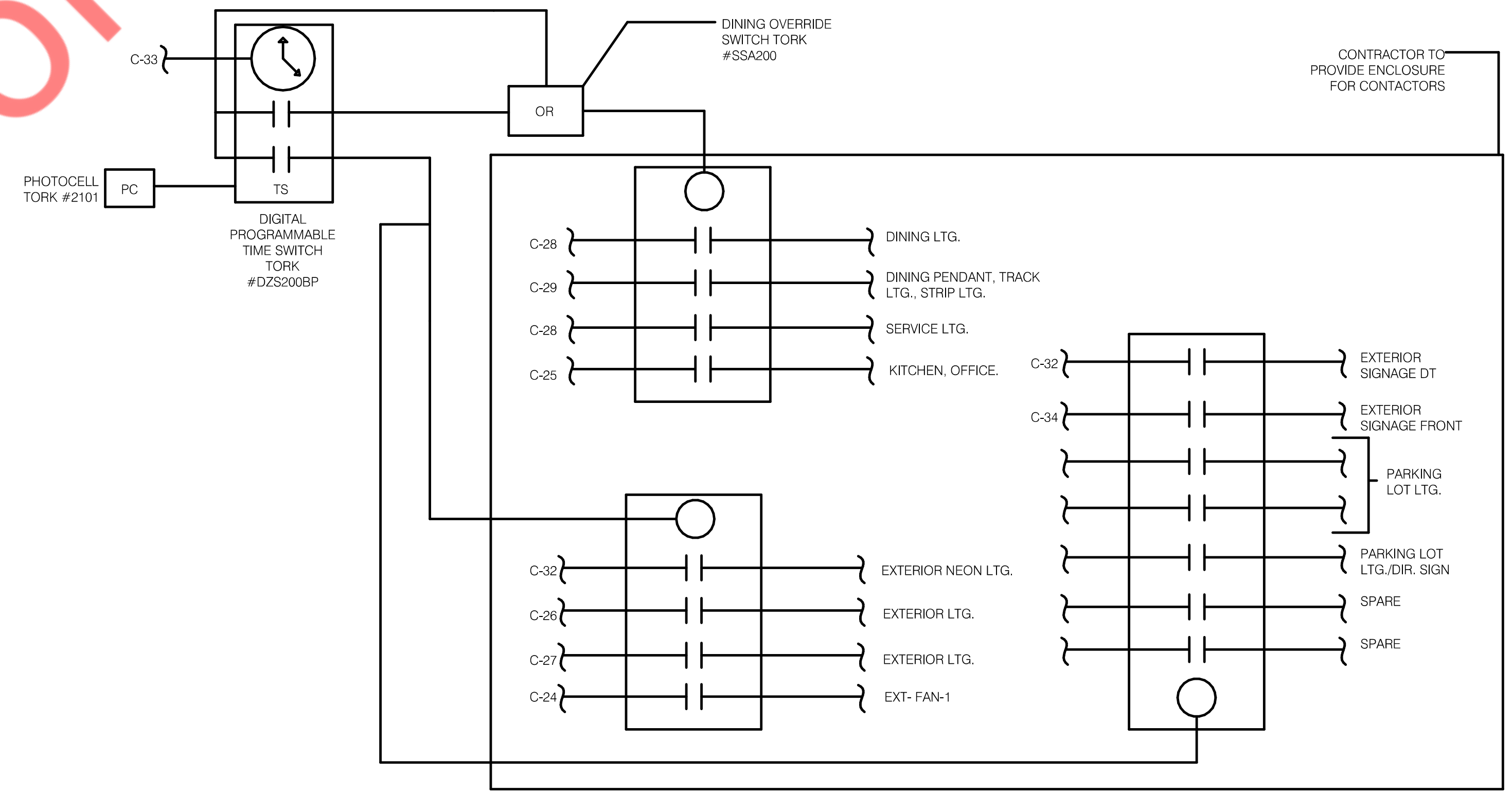


NOTES

1. SP20-RD4 SWITCHPACK SHOWN, 120/277VAC 20AMP RATING.

WIRING DIAGRAM - LOW VOLTAGE CEILING SENSOR NTS

B



LIGHTING CONTROL DETAILS NTS

A

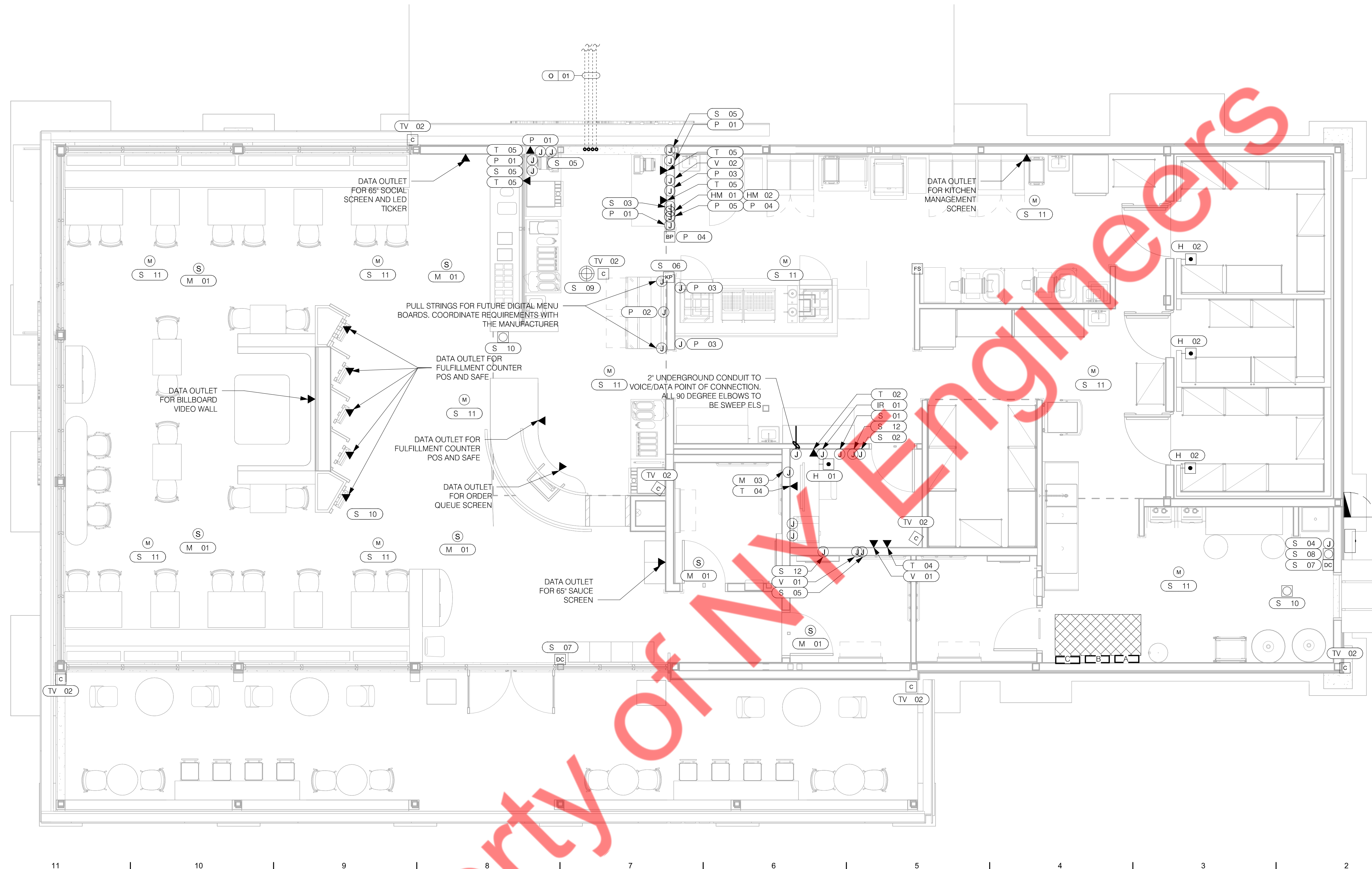
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SAUCY, WILDWOOD

LIGHTING CONTROL DETAILS

E4.2

PLOT DATE:



COMMUNICATIONS PLAN 1/4" = 1'-0" **A**

COMMUNICATIONS LEGEND NTS **C**

⊕	HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)	⊕	DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)	M	MOTION DETECTOR
S	MUSIC SYSTEM SPEAKERS	⊕	'SOUND ALERT' DEVICE	OC	OCCUPANCY SENSOR, CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0
⊕	SECURITY STROBE	KP	KEYPAD (MTD AT 48" A.F.F.)	FS	HOOD FIRE SUPPRESSION SYSTEM PULL STATION
J	J-BOX	AS	ALARM SIREN ABOVE CLG	B	BUMP PAD (MOUNT AT FRONT COUNTER)
◀	2" x 4" J-BOX W/ DATA PORTS			⊕	USB OUTLET

A. ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETRY ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

B. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.) TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED BY OWNER. SEE SCOPE OF WORK SHEETS.

C. REFER TO SHEETS E3.0 AND E3.1 FOR ELECTRICAL INFORMATION ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

D. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

E. G.C. TO COORDINATE SECURITY CAMERA QUANTITY AND LOCATION WITH KFC FRANCHISE.

COMMUNICATIONS NOTES NTS **B**

COMMUNICATIONS ROUGH-IN SCHEDULE

COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H	01	UNDER COUNTER HOLD-UP BUTTON		
H	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	2x4 J-BOX FLUSH MOUNTED IN WALK-IN WALL BY COOLER MANUFACTURER WITH 1/2" CONDUIT TO OUTSIDE OF COOLER NEAR KITCHEN CEILING. SECURITY SYSTEM INSTALLER TO INSTALL HOLD-UP BUTTON FACING DOWN AND RUN WIRING
HM	01	D/T J-BOX	+96" U.O.N.	4x4x4" DEEP (MIN.) J-BOX BLW. CEILING W/ (1) 2-1/2" CONDUIT TO HM-02 & HM-07.
HM	02	D/T TIMER J-BOX	+66" A.F.F.	4x4x4" DEEP (MIN.) J-BOX @ D/T TIMER W/ (1) 2-1/2" CONDUIT TO HM-01 & (1) 1" CONDUIT TO HM-04.
IR	01	IRRIGATION TIMER	+80" A.F.F.	4x4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES. PLAN 3 / E3.1.
M	01	SPEAKER, CEILING MOUNTED	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN
M	03	MUSIC SYSTEM J-BOX	+60" A.F.F.	4x4 J-BOX W/ COVER AND W/ 1/2" CONDUIT TO ABV. CEILING FOR MUSIC SYSTEM. FOR RECEIVER, AMPLIFIER & SPEAKERS SEE SCOPE OF WORK
P	01	POS J-BOX	+24" A.F.F.	2x4 J-BOX W/ 3/4" CONDUIT TO ABOVE CEILING
P	02	KITCHEN MONITOR J-BOX	@ CLG.	2x4 J-BOX FLUSH @ CEILING. FOR PACK LINE / FUTURE ON-LINE PROJECTION MONITOR J-BOX
P	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2x4x4" DEEP (MIN.) J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CEILING.
P	04	BUMP PAD J-BOX	+24" A.F.F.	2x4 J-BOX W/ (1) 3/4" CONDUIT TO P-05.
P	05	KITCHEN MONITOR J-BOX	+90" A.F.F.	2x4 J-BOX W/ (1) 3/4" CONDUIT TO P-04 AND (1) 3/4" CONDUIT TO ABOVE CEILING.
S	01	J-BOX SECURITY SYSTEM	+48" A.F.F.	4x4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02.
S	02	J-BOX SECURITY SYSTEM	+106" A.F.F.	4x4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01.
S	03	J-BOX SECURITY SYSTEM	+24" A.F.F.	2x4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE
S	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2x4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING

COMMUNICATIONS ROUGH-IN SCHEDULE

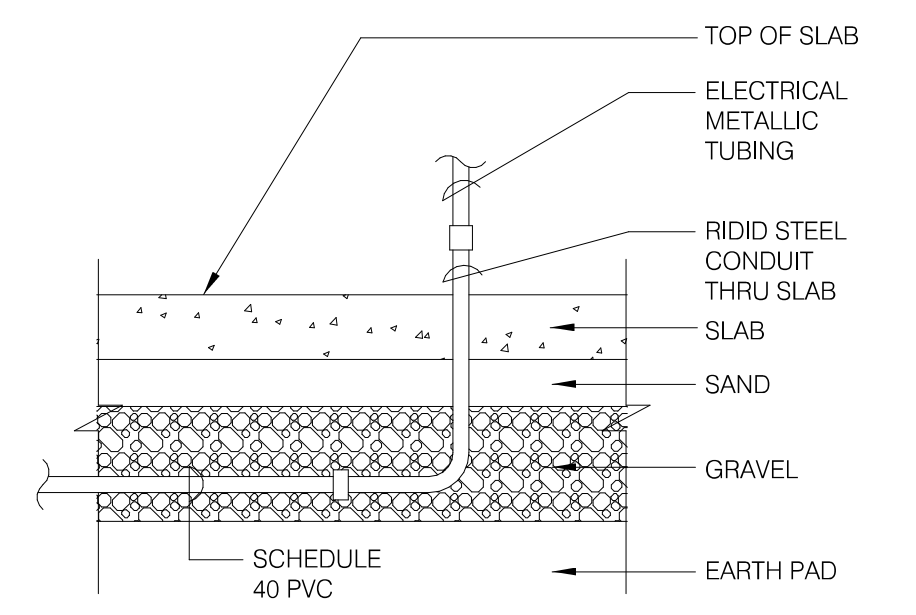
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2x4 J-BOX W/ 3/4" CONDUIT TO ABOVE CEILING.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2x4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2x4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S	08	'SOUND ALERT' DEVICE	B.O. CEILING	CONNECT TO SECURITY SYSTEM
S	09	SECURITY STROBE LIGHT	B.O. CEILING	CONNECT TO SECURITY SYSTEM
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM
S	11	MOTION DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2x4 J-BOX FOR SECURITY DVR.
T	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2x4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2x4 J-BOX w/ DUPLEX RECEPTACLE (INT. MODEM + EXT. MODEM); ROUTE 1" CONDUIT ABOVE CEILING.
T	05	POS CAT5 CABLE JACK	+24" A.F.F.	2x4 J-BOX; ROUTE 1" CONDUIT ABOVE CEILING
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. CEILING MTD. ON BACK SIDE OF BULKHEAD. 2x4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4x4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
V	02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2x4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
O	01	UNDERGROUND DATA CONDUITS	U.G.	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DET. 3/E7.0.

SAUCY, WILDWOOD

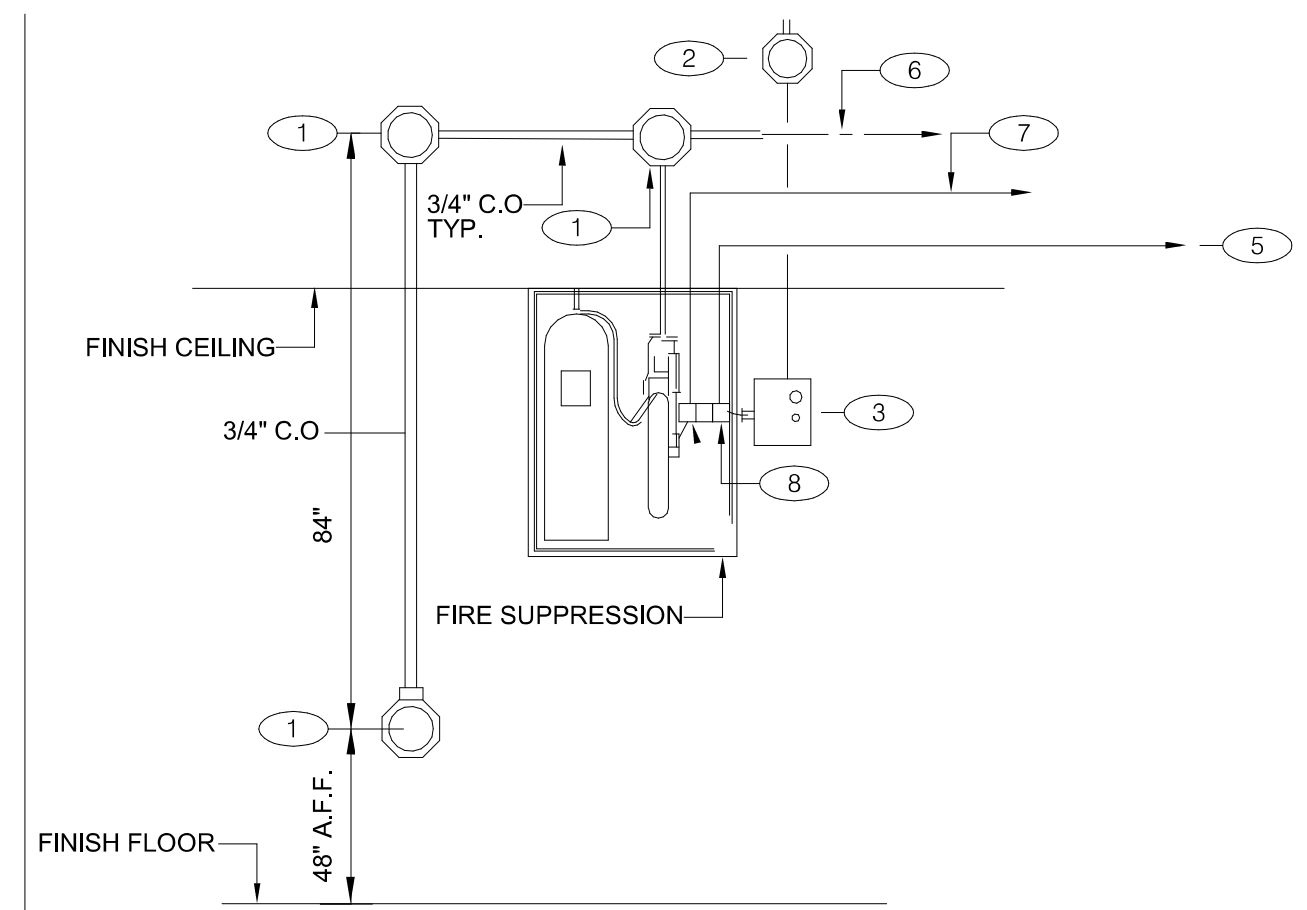
COMM. PLAN SCHEDULE

E5.0

PLOT DATE:



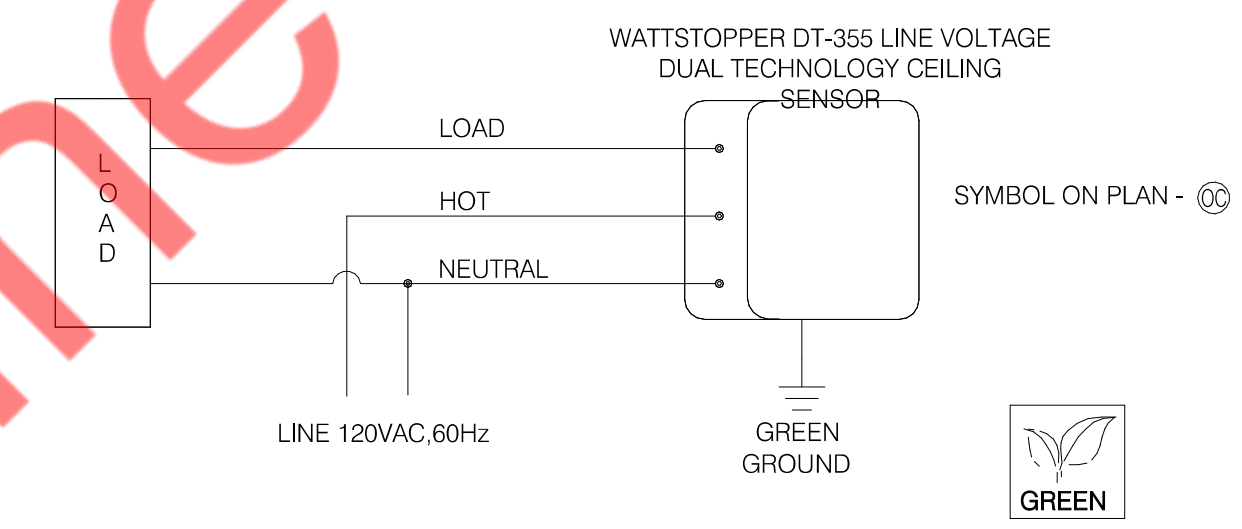
NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.



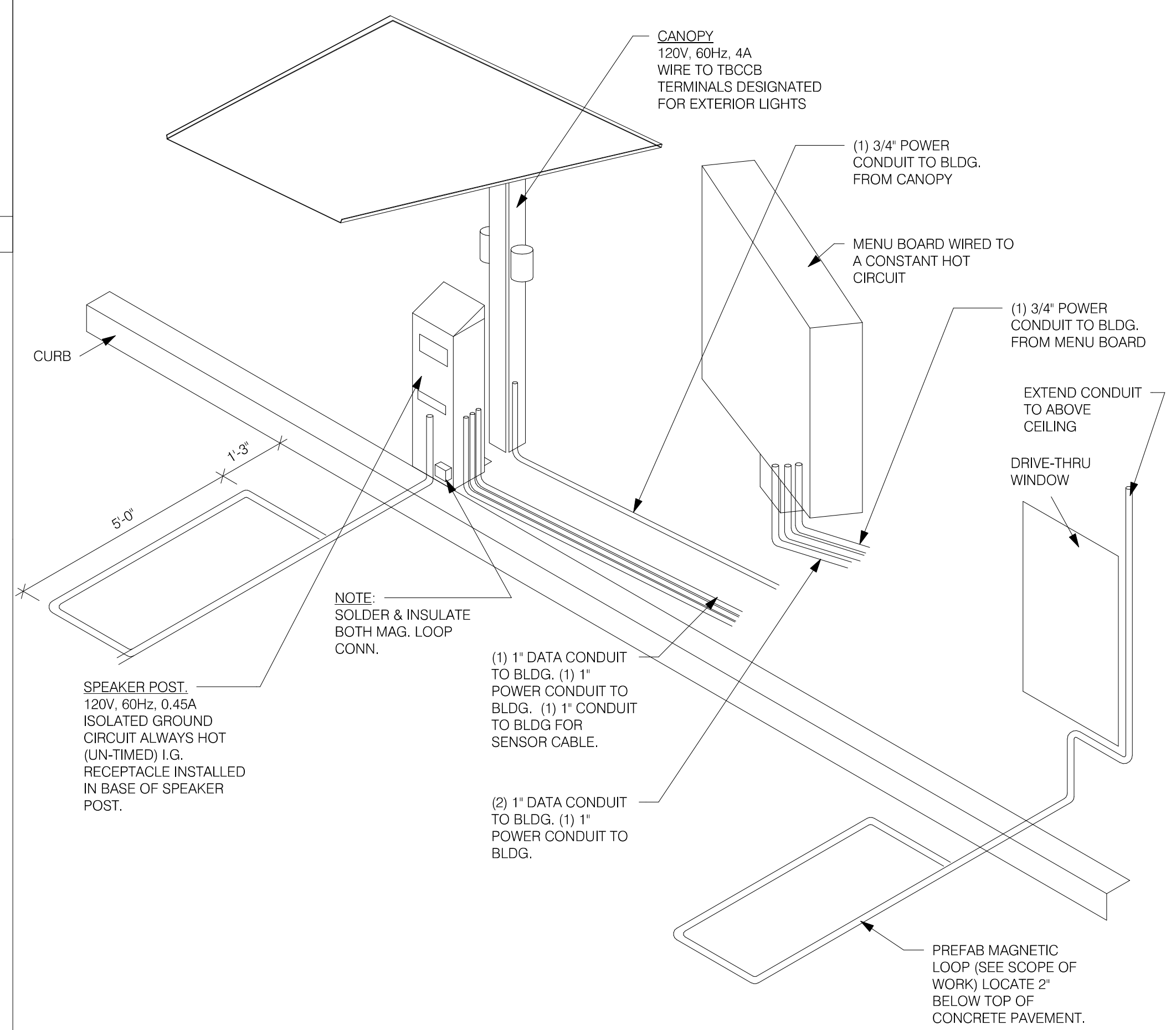
- GENERAL NOTES:**
 1. REFER TO SHEET M3.0
- KEY NOTES:**
- 1 PROVIDE 4" OCTAGONAL J-BOX.
 - 2 PROVIDE J-BOX , AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. CONNECT TO TBANS. SEE SHEET 7.1.
 - 3 TBANS INSTALLED BY ELECTRICAL CONTRACTOR.
 - 4 PROVIDE CONNECTIONS TO TBANS BOX FOR HOOD SHUTDOWN. SEE SHEET E7.1 FOR TBANS WIRING DIAGRAM.
 - 5 PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN INTERFACE THROUGH MICROSWITCH ON HOOD.
 - 6 CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
 - 7 PROVIDE INTERCONNECTION BETWEEN FIRE SUPPRESSION MICROSWITCH AND TBANS. SEE SHEET E7.1.
 - 8 FIRE SUPPRESSION SYSTEM TO INCLUDE TWO MICROSWITCHES. EACH MICO SWITCH SHALL HAVE A COMMON, NORMALLY OPEN AND NORMALLY CLOSED POLE.

UNDER SLAB CONDUIT N.T.S. **H**

FIRE SUPPRESSION SYSTEM WIRING DIAGRAM N.T.S. **C**



CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. **B**



DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. **A**

NOT USED N.T.S. **G**

NOT USED N.T.S. **D**

NOT USED N.T.S. **F**

NOT USED N.T.S. **E**

Property of NY Engineers

SAUCY, WILDWOOD

ELECTRICAL LINE DIAGRAM DETAILS

E6.0

PLOT DATE:

YES006A

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
 Project Title: SAUCY, WILDWOOD FL
 Project Type: New Construction

Construction Site: 5085 SUNDANCE TRAIL, WILDWOOD, Florida 34785
 Owner/Agent:
 Designer/Contractor: MICHAEL TOBIAS, NY ENGINEERS, 382 NE 191ST STREET SUITE 49674, MI, Florida 33179

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Dining: Cafeteria/Fast Food	4700	0.76	3572
Total Allowed Watts =			3572

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt.	E (C X D)
1-Dining: Cafeteria/Fast Food				
LED: INT-CL-1: WHITE INTEGRATED LED CYLINDER 3: Other:	1	62	12	744
LED: INT-GX-1: FLEX NEON LRUDR8 0.8" ROUND L: Other:	1	152	4	608
LED: INT-PEN-1: PENDANT LIGHT: Other:	1	5	6	30
LED: INT-PEN-3: Other:	1	10	15	150
LED: INT-REC-1: RECESSED LINEAR LIGHT FIXTURE: Other:	1	72	8	576
LED: INT-BOH-1: 2X2 BACK LIT LED PANEL COLOR SE: Other:	1	12	40	480
LED: INT-TR-1: CONTECH LT-8 SINGLE CIRCUIT TRA: Other:	1	62	6	372
LED: INT-TR-2: TRACK LIGHTS CYLINDRICAL: Other:	1	19	13	247
LED: INT-LED-1: DRIVERLESS TOP WHITE STATIC BEN: Other:	1	6	4	25
Total Proposed Watts =			3257	

Interior Lighting PASSES: Design 9% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MICHAEL TOBIAS
 Name - Title Signature Date 06/05/25

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
 Data filename: Page 1 of 6

COMcheck Software Version COMcheckWeb
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
 Project Title: SAUCY, WILDWOOD FL
 Project Type: New Construction
 Exterior Lighting Zone: 3 (Other (LZ3))

Construction Site: 5085 SUNDANCE TRAIL, WILDWOOD, Florida 34785
 Owner/Agent:
 Designer/Contractor: MICHAEL TOBIAS, NY ENGINEERS, 382 NE 191ST STREET SUITE 49674, MI, Florida 33179

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
EXTERIOR AREA (Exterior Lobby)	1800 ft ²	0.67	Yes	1206
EXTERIOR AREA (Illuminated length of facade wall or surface)	70 ft	3.75	No	262
PARKING AREA (Parking area)	32000 ft ²	0.06	Yes	1920
Total Tradable Watts (a) =				3126
Total Allowed Watts =				3388
Total Allowed Supplemental Watts (b) =				500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
 (b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt.	E (C X D)
EXTERIOR AREA (Exterior Lobby, 1800 ft²): Tradable Wattage				
LED: EX-LED-1: FLEX NEON LRUDR8 0.8" ROUND L: Other:	1	148	4	631
LED: EXT-PEN-1: EXTERIOR PENDANT LIGHT: Other:	1	10	10	100
LED: EX-CL-1: 4" WET RATED LED DOWNLIGHT WHIT: Other:	1	32	18	576
LED: EXT-GX-11: Other:	1	17	15	255
LED: EXT-WS-1: THE BLADE OUTDOOR LED FAÇADE F: Other:	1	7	15	105
EXTERIOR AREA (Illuminated length of facade wall or surface, 70 ft): Non-tradable Wattage				
LED: EXT-GX-11: Other:	1	3	15	45
LED: EXT-WS-1: THE BLADE OUTDOOR LED FAÇADE F: Other:	1	5	15	75
PARKING AREA (Parking area, 32000 ft²): Tradable Wattage				
LED: A: SITE LIGHTS: Other:	1	8	189	1512
LED: B: SITE LIGHTS: Other:	1	1	378	378
Total Tradable Proposed Watts =				3577

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
 Data filename: Page 2 of 6

Exterior Lighting PASSES: Design 1% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

MICHAEL TOBIAS
 Name - Title Signature Date 06/05/25

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
 Data filename: Page 3 of 6

COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 90.1 (2019) Standard

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
4.2.2, 9.4.3, 9.7 [PR4]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.7 [PR3]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
 Data filename: Page 4 of 6

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10]	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
8.4.3 [EL11]	New buildings have electrical energy use measurement devices installed, where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to control system and displayed graphically.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.4.1.1 [EL1]	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as "REQ") and optional choice controls (labeled as "ADD1" and "ADD2") are implemented.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.4.1.1 [EL2]	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.4.1.1f [EL13]	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
9.4.1.4 [EL3]	Automatic lighting controls for exterior lighting installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.4.1.4d [EL21]	Outdoor parking area luminaires $\geq 78W$ and ≤ 24 ft height controlled to reduce wattage by 50% when area unoccupied over 15 minutes. Controlled power limited to $\leq 1500W$.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.4.1.3 [EL4]	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.6.2 [EL8]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [F16]	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
8.7.2 [F17]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.2.2.3 [F18]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
9.4.2 [F19]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
9.4.4 [F20]	At least 75% of all permanently installed lighting fixtures in dwelling units have ≥ 35 lm/W efficacy or a ≥ 45 lm/W luminaire efficacy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: SAUCY, WILDWOOD FL Report date: 06/05/25
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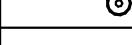

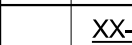

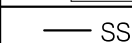
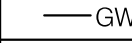
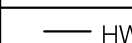
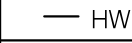
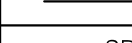
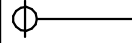
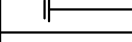
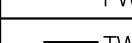
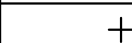
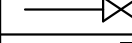
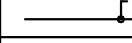






SAUCY, WILDWOOD

ENERGY COMPLIANCE

E7.0

PLOT DATE:

1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
2. ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.
3. VERIFY LOCATION OF SANITARY SEWER ON SITE PLAN AND REVISE SEWER SYSTEM AS REQUIRED.
4. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODE. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.
5. CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
6. VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS AND OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
7. PLUMBING FIXTURE VENTS SHALL TERMINATE MINIMUM OF 12 INCHES FROM VERTICAL SURFACES AND 10 FEET FROM OUTSIDE AIR INTAKES.
8. PROVIDE GAS PIPING TO UNITS AND MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
9. PROVIDE SHUT-OFF VALVES ON HOT & COLD WATER LINES TO FIXTURES AND APPLIANCES. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.
10. PROVIDE LEVER HANDLE GAS SHUT-OFF VALVE IN BRACH PIPING OF EACH APPLIANCE. INSTALL OWNER FURNISHED QUICK DISCONNECT, FLEXIBLE PIPE (IF ALLOWED BY CODE) AND RESTRAINING DEVICE. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE IF GAS PRESSURE IS GREATER THAN 10" WC DOWSTREAM OF THE GAS METER.
11. VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED.
12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN REQUIREMENTS. MAKE ALL ROUGH-IN AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT UNLESS OTHERWISE NOTED.
13. REFER TO MECHANICAL DRAWINGS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.
14. GAS LINES SHALL BE SUPPORTED.
15. FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH FLOOR SURFACE.
16. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
17. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR SHALL BE MINIMUM 2 TIMES DIAMETER OF INDIRECT DRAIN.
18. VERIFY DEPTH, SIZE, LOCATION, AND CONDITION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK ON PROJECT. NOTIFY OWNER IMMEDIATELY OF CONDITIONS THAT EXIST WHICH WOULD CAUSE THE DESIGN TO BE ALTERED.
19. COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
20. PROVIDE BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.
21. PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN. PROVIDE GAS PIPING TO UNITS. MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
22. THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH OWNER PRIOR TO CONSTRUCTION. FAILURE OF CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE RESPONSIBILITY FOR SUBSEQUENT RELOCATION DIRECTLY UPON CONTRACTOR.
23. ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.
24. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING FIXTURES OR EQUIPMENT.
25. PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.
26. CPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.
27. UNLESS PROHIBITED BY LOCAL CODE, USE THE FOLLOWING MATERIAL FOR PLUMBING PIPING:
 - 27.1. FOR WATER SUPPLY DISTRIBUTION SYSTEM: TYPE L COPPER PIPING & CORRESPONDING FITTINGS PER 2023 FLORIDA PLUMBING CODE SECTION 605
 - 27.2. FOR SANITARY WASTE & VENT SYSTEM: SCH 40 PVC & CORRESPONDING FITTINGS PER 2023 FLORIDA PLUMBING CODE SECTION 702.
 - 27.3. FOR GAS PIPING (ABOVE GROUND): SCH 40 BLACK STEEL & CORRESPONDING FITTINGS.

SYMBOLS	ABBREV.	DESCRIPTION
	Y.B.	YARD BOX
	R.D.	ROOF DRAIN
	A.P.	ACCESS PANEL
	V.T.R.	VENT THRU ROOF
	V.B.F.	VENT BELOW FLOOR
	U.T.R.	UP THRU ROOF
	V.C.P.	VITRIFIED CLAY PIPE
	C.I.	CAST IRON
	(TYP.)	TYPICAL
	(N)	NEW
	(E)	EXISTING
	F.D.	FLOOR DRAIN
	H.D.	HUB DRAIN
	O.F.D.	OVERFLOW DRAIN
	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
		PLUMBING EQUIPMENT DESIGNATION
		KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DESCRIPTION.
	SS	SOIL OR WASTE (SANITARY)/WASTE STUB
	GW	SOIL OR WASTE (GREASE WASTE)/WASTE STUB
	G	GAS / GAS STUB
	CW	COLD WATER/ CW STUB
	HW	HOT WATER / HW STUB
	HWR	HOT WATER RETURN
	V	SANITARY VENT
	S.D.	STORM DRAIN
	O.D.	OVERFLOW DRAIN
	F.C.O.	FLOOR CLEANOUT
	W.C.O.	WALL CLEANOUT
	FW	FILTERED WATER
	TW	PREMIXED TEMPERATURE WATER
	H.B.	HOSE BIBB
	S.O.V.	SHUT-OFF GATE VALVE
	S.O.C.	SHUT-OFF GAS COCK
	C.V.	CHECK VALVE
	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
	B.V.	BALL VALVE
	C.W.	COLD WATER BELOW GRADE
	E.C.O.	EXTERIOR CLEAN OUT
	BFP	BACK FLOW PREVENTER
	FU	FIXTURE UNIT

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
ECO-1	EXTERIOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
FS-1	FLOOR SINK	4"	2"	--	--	--	6	--	PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	JOSAM / MODEL: JPF54-PVC ZURN / MODEL: FD-2370-PV4-DS-F
FS-2	FLOOR SINK	3"	2"	--	--	--	6	--	CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	JOSAM / MODEL: 49034AS WADE / MODEL: 9144 ZURN / MODEL: Z-1900-32
FD-1	FLOOR DRAIN	3"	2"	--	--	--	2	--	PVC FLOOR DRAIN 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A WADE / MODEL: 1103
HD-1	HUB DRAIN	3"	2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019
ECO-1	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
WCO-1	WALL CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 WADE / MODEL: 8560E ZURN / MODEL: Z-1448-BP
HB-1	HOSE BIBB	--	--	3/4"	--	--	--	2.5/1	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL BRONZE BOX.	JOSAM / MODEL: 71000 WADE / MODEL: 8600L ZURN / MODEL: Z-1300
WC-1	WATER CLOSET	4"	2"	1/2"	--	--	4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER VALVE TYPE TOILET, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSONITE #95 OR EQUIVALENT. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS.	AM. STD. "MADERA" / MODEL: 3451.001
LAV-1	LAVATORY	1-1/4"	1-1/2"	1/2"	--	1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPASH, ADA ACCESSIBLE. FLAT GRID STRAINER, BRAIDED WATER LINES. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. ELECTRONIC SENSOR TYPE FAUCET, ADA COMPLIANT. SEE 5/P6.0 FOR LAV SUPPORT DETAIL, 0.5 GPM AERATOR	SINK: KOHLER K-2084 FAUCET: KOHLER K-18140-CP AERATOR: KOHLER K-18140-CP
30	HAND SINK	1-1/2"	1-1/2"	1/2"	--	1/2"	2	1.5	STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS. FAUCET. PROVIDE W/SINGLE KNEE PEDAL, BRAIDED WATER LINES, 0.5 GPM AERATOR.	ATOSA USA MRS-HS-18 -- -- --
38	MOP SINK	3"	2"	1/2"	1/2"	--	3	2.25	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPLASH. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	-- -- -- --
18/19	POWER SOAK SINK	INDIRECT	--	(2)1/2"	(2)1/2"	--	--	3	INSTALL OWNER PROVIDED FIXTURE AND ACCESSORIES.	SINK: 200P22108R21D1PKFC FAUCET: T&S BRASS SPP-D800 -- --
14	CHICKEN PREP SINK	3"	2"	1/2"	1/2"	--	2"	1.5	CUSTOM MADE CHICKEN PREP SINK. INSTALL OWNER PROVIDED FIXTURE AND ACCESSORIES.	-- -- -- --
GI-1	GREASE INTERCEPTOR	4"	(2)2"	--	--	--	--	--	PRECAST 1,500 GALLON GREASE INTERCEPTOR PROVIDED BY CIVIL CONTRACTOR. SEE CIVIL PLANS FOR EXTERIOR GREASE INTERCEPTOR LOCATION.	-- -- -- --
MV-1	MIXING VALVE	--	--	1/2"	1/2"	--	--	--	THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LFLM495 LAWLER SERIES 310 LEONARD SERIES 170
32	TANKLESS WATER HEATER	--	--	1-1/4"	1-1/4"	--	--	--	GAS FIRED TANKLESS WATER HEATER, 95% THERMAL EFF., 199,900 BTU/H INPUT, 5 GPH @ 80 DEG. RISE RECOVERY, RATE, 2" PVC FLUE & INTAKE, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, ELECTRONIC IGNITION SYSTEM AND ELECTRONIC CONTROLS. HEATER IS PROVIDED WITH IN-BUILT WATER HEATER. PROVIDE WITH EXPANSION TANK.	NAVIEN NPE-240A2 EXPANSION TANK - AMTROL ST-5 --
WH-2	POINT OF USE WATER HEATER	--	--	1/2"	1/2"	--	--	--	ELECTRIC INSTA-HOT WATER HEATER, SPECS: 4.1 KW/208V/1PH, FLOW RATE = 0.5 GPM. PROVIDE HEATER BENEATH HAND SINK ON TABLE COUNTER NEAR DRIVE THRU AREA.	EEMAX SPEX4277T ML -- --
ET-1	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 2 GALLON CAPACITY.	AMTROL ST-5 --
TD-1	TRENCH DRAIN	3"	2"	--	--	--	6	--	CUSTOM MADE TRENCH DRAIN 8L x 10'W. CONFIRM EXACT REQUIREMENTS WITH KITCHEN CONTRACTOR.	-- -- -- --
	WATER FILTER	--	--	3/4"	--	--	--	4	MODEL TO BE SELECTED BY KITCHEN CONTRACTOR.	SELECTO WATER FILTER SERIES

GENERAL NOTES - PLUMBING NTS

PLUMBING LEGEND NTS

PLUMBING FIXTURE SCHEDULE NTS

Fixture	Qty.	Drain			Cold Water		Hot Water	
		D.F.U.	SAN F.U.	GW F.U.	Total D.F.U.	Total C.W.F.U.	Total H.W.F.U.	Total H.W.F.U.
Water Closet (WC-1)	3	4	12		12	10	30	
Lavatory (LAV-1)	3	1	3		3	1.5	4.5	1.5
Hand Sink (Tag #30)	5	1		4	4	1.5	7.5	1.5
Mop Sink (Tag #38)	1	5		5	5	2.25	2.25	2.25
Power Soak Sink (Tag #18/19)**	1				3	3	3	3
Chicken Prep Sink (Tag #14)	1	5		5	5	1.5	1.5	1.5
Pot Filler (Tag #21)	1					0.5	0.5	
Ice Maker (Tag #22)**	2					0.5	1	
Warewasher (Tag #17)**	1							2
Misc. Kitchen Equipment	5					0.5	2.5	
Hose Bib (HB-1)	2					2.5	5	
Floor Sink (FS-1)	5	6		30	30			
Hub Drain (HD-1)	4	5	10	10	20			
Floor Drain (FD-1)	7	5	15	20	35			
Trench Drain (TD-1)	1	5		5	5			
Total			40	79	119		57.75	20.75

Notes:
 1. F.U. values based on 2023 Florida Building Code, Plumbing, tables 709.1, 709.2, E103.3 (2) & (3)
 2. ** Select fixture drains indirectly to floor sink. Need not be considered twice in drainage calculations.

Pipe Sizing				
Grease Waste	79	F.U.	MINIMUM 4" REQUIRED, SIZE PROVIDED = 4".	
Sanitary Waste	119	F.U.	MINIMUM 4" REQUIRED, SIZE PROVIDED = 4".	
Hot Water	20.75	F.U.	GPM MIN 1" REQUIRED, SIZE PROVIDED = 1".	
Cold Water	78.5	F.U.	GPM MIN 1.5" REQUIRED, SIZE PROVIDED = 1.5".	

PLUMBING FIXTURE COUNT NTS

GREASE INTERCEPTOR CALCULATIONS		Quote: 8EA37BA1	
Reference No. 83335		Project Name: KFC-3	
Step 1: Flow rate to grease interceptor			
Fixture flow rate: (cu in / 231) = gal x 0.75 / 2 min = 2 min flow rate			
NAME	TYPE	DIMENSIONS	QTY
Chicken Prep Sink (Tag #14)	Prep Sink One Bowl	16" x 16" x 10"	1
Floor Drain (FD-1)	Floor Drain	N/A	1
Floor Drain (FD-1)	Floor Drain Emergency	N/A	4
Floor Sink (FS-1)	Floor Sink	N/A	2
Trench Drain (TD-1)	Trench Drain	N/A	1
Hand Sink	Hand Sink	10" x 14" x 5"	5
Hub Drain (HD-1)	Floor Drain	N/A	2
Ice Maker (Tag #22)	Ice Machine (with drain)	N/A	1
Mop Sink (Tag #38)	Mop Basin	21" x 21" x 6"	1
Power Soak Sink (Tag #18)	3 Compartment Sink	20" x 16" x 14" (3)	1
Warewasher (Tag #17)	Dishwasher (Door Type)	60 gal.	1
Total			70.95 GPM
Step 2: Grease Production			
Number of Seats x 4 turns per seat x Grease Production Value x Days between pump-out = Grease output			
Number of seats in facility: 79			
Grease production value: 0.035 lbs per serving (Fried Chicken: High / No flatware) Days between pump-outs: 90 days			
79 x 4 x 0.035 x 90 = 995.4 lbs of FOG			

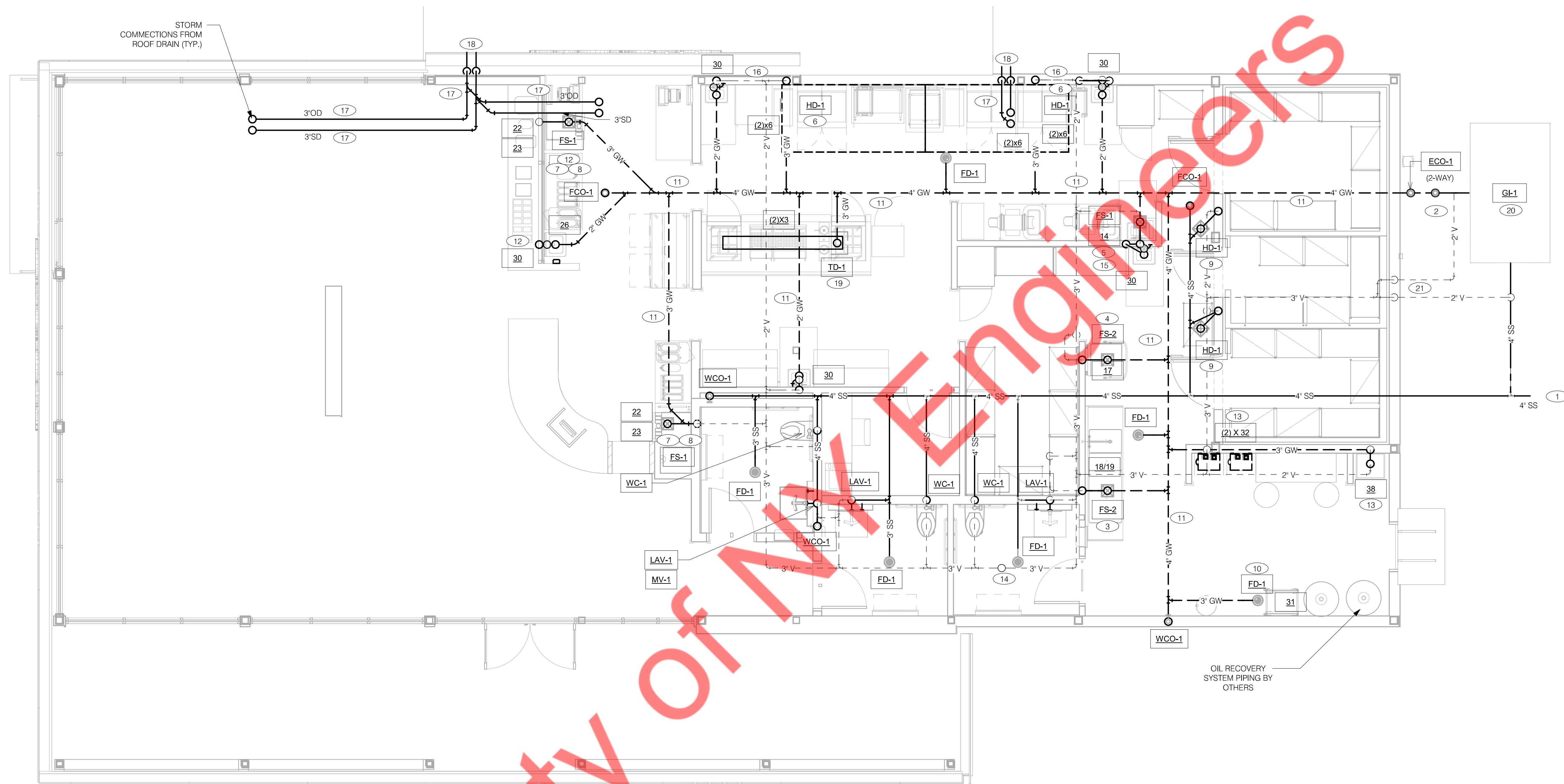
SAUCY, WILDWOOD

PLUMBING SCHEDULES AND NOTES

P1.0

GREASE INTERCEPTOR CALCULATIONS NTS

PLLOT DATE:



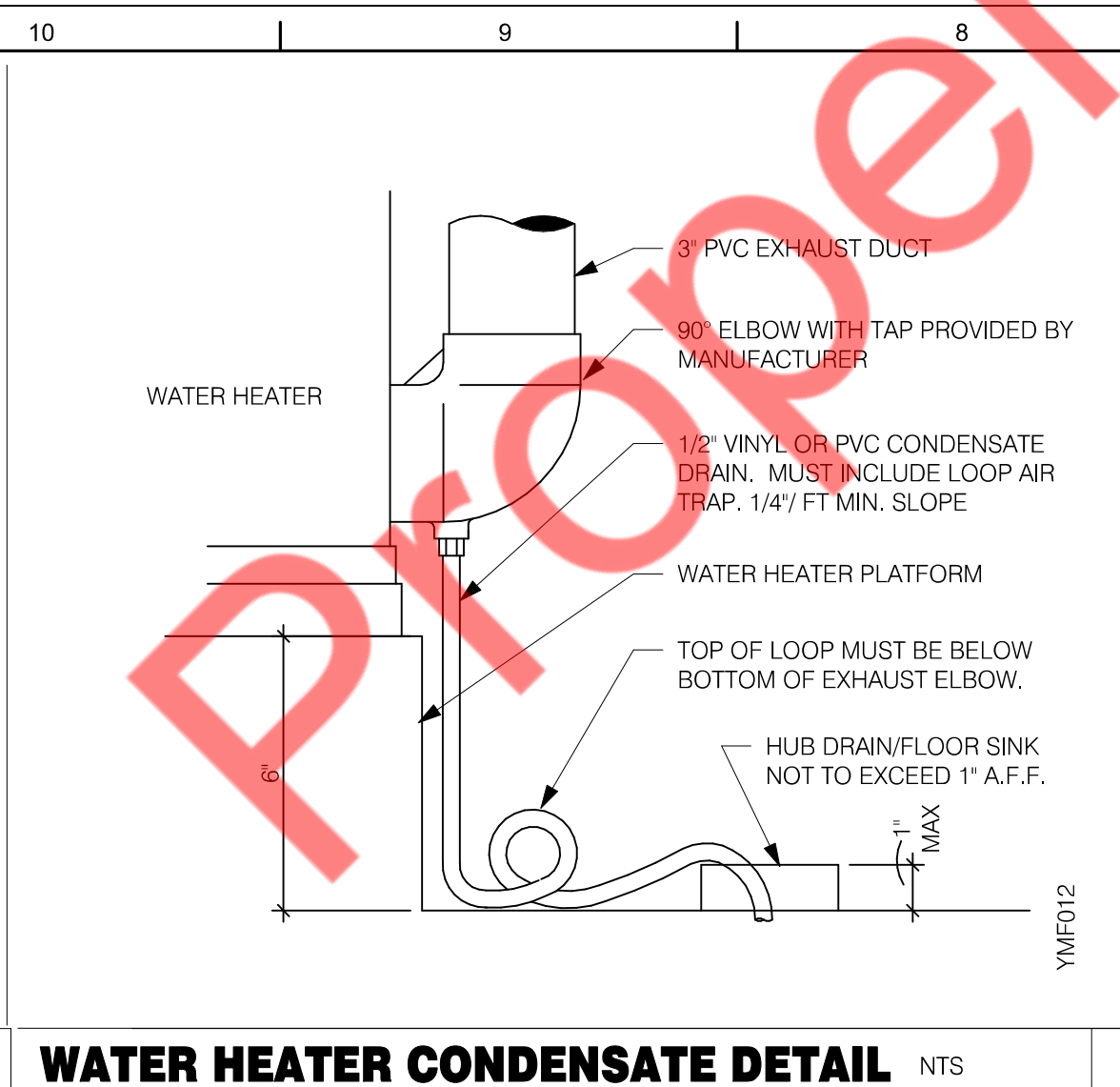
WASTE & VENT PIPING PLAN 1/4" = 1'-0" **A**

AREA DRAINING TO ROOF DRAINS = 3650 SQ.FT.
 4.7" INCH PER HOUR AVERAGE RAINFALL CONSIDERED FOR PROJECT

PER 2023 FLORIDA PLUMBING CODE SECTION 1106.2.1:
 STORM WATER GPM FOR AREA = 3650 X 4.7 X 0.0104 = 178.4 GPM
 NO. OF ROOF DRAINS = 3
 GPM PER STORM DRAIN = 178.4/3 = 59.5 GPM

PER 2023 FLORIDA PLUMBING CODE TABLE 1106.2:
 MINIMUM 3" ROOF DRAINS & 3" OVERFLOW DRAINS REQUIRED TO HANDLE 60 GPM EACH. (3" DRAIN RATED FOR 87 GPM EACH).

PER 2023 FLORIDA PLUMBING CODE TABLE 1106.3:
 MINIMUM 3" VERTICAL STORM PIPE REQUIRED TO HANDLE DRAIN FROM (1) ROOF DRAIN.
 MINIMUM 3" VERTICAL STORM PIPE REQUIRED TO HANDLE DRAIN FROM (2) ROOF DRAINS.



WASTE & VENT PLAN NOTES NTS **C**

A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.

B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.

C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS

D. CONDENSATE DRAIN FROM RTU UNITS WILL BE ROUTED TO ROOF STORM DRAIN NETWORK.

- 1 CONNECT NEW SANITARY LINE TO SEWER UTILITY. REFER CIVIL UTILITY PLAN FOR CONTINUATION.
- 2 CONNECT NEW GREASE LINE TO GREASE INTERCEPTOR PROVIDED BY CIVIL CONTRACTOR. REFER CIVIL UTILITY PLAN FOR CONTINUATION.
- 3 ROUTE INDIRECT WASTE FROM POWER SOAK SINK (TAG #18/19) TO FLOOR SINK (FS-2). PROVIDE AIR GAP PER LOCAL CODE.
- 4 ROUTE INDIRECT WASTE FROM DISHWASHER (TAG #17) TO FLOOR SINK (FS-2). PROVIDE AIR GAP PER LOCAL CODE.
- 5 ROUTE INDIRECT WASTE FROM CHICKEN PREP SINK (TAG #14) TO FLOOR SINK (FS-1). PROVIDE AIR GAP PER LOCAL CODE.
- 6 ROUTE GREASE WASTE FROM FRYERS (TAG #6) TO HUB DRAIN (HD-1). PROVIDE AIR GAP PER LOCAL CODE.
- 7 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MAKER (TAG #22) TO FLOOR SINK. PROVIDE AIR GAP PER LOCAL CODE.
- 8 PROVIDE WASTE LINES FROM DRINK DISPENSER (TAG #23) TO FLOOR SINK. PROVIDE AIR GAP PER LOCAL CODE.
- 9 PROVIDE 3/4" PVC CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO RUN INSIDE WALL AND OUTFALL AT HUB DRAIN AS PER COOLER MANUFACTURER. EXPOSED PORTION OF CONDENSATE SHALL BE COPPER. (HEAT ROPE IS SUPPLIED W/ FREEZER CONDENSATE).
- 10 ROUTE INDIRECT WASTE FROM BIB RACK (TAG #31) & WATER FILTER TO FLOOR DRAIN (FD-1). PROVIDE AIR GAP PER LOCAL CODE.

- 11 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- 12 WALL ADJACENT TO SANITARY FIXTURE IS AT HALF HEIGHT. PROVIDE AIR ADMITTANCE VALVE (AAV) FOR VENTING SANITARY FIXTURE.
- 13 ROUTE INDIRECT WASTE FROM WATER HEATER (TAG #32) TO MOP SINK. PROVIDE AIR GAP PER LOCAL CODE. REFER DETAIL I/P6.0 AND DETAIL D/P2.0.
- 14 4" VENT UP THROUGH ROOF.
- 15 HAND SINK (TAG #30) & FLOOR SINK (FS-1) SHARE COMMON SANITARY PIPE & VENT PIPE.
- 16 RUN VENT PIPE FOR HUB DRAIN (HD-1) IN WALL TO AVOID CLASH WITH KITCHEN HOOD.
- 17 STORM & OVERFLOW PIPE RUNNING HORIZONTALLY ABOVE FALSE CEILING FROM ROOF DRAIN ABOVE. PROVIDE 1/8" PER FOOT SLOPE FOR THE SAME.
- 18 DROP DOWN STORM & OVERFLOW PIPES IN WALL. DRAIN TO GROUND OUTSIDE. COORDINATE EXACT LOCATION WITH CIVIL CONTRACTOR.
- 19 ROUTE INDIRECT WASTE FROM HOLDING STATIONS (TAG #3) ABOVE TO TRENCH DRAIN (TD-1). PROVIDE AIR GAP PER LOCAL CODE.
- 20 1500 GREASE INTERCEPTOR PROVIDED BY CIVIL CONTRACTOR. REFER CIVIL UTILITY PLANS FOR EXACT LOCATION OF INTERCEPTOR.
- 21 UNDERGROUND VENT PIPES FOR GREASE INTERCEPTOR.

STORM WATER CALCULATIONS NTS

E WATER HEATER CONDENSATE DETAIL NTS

D WASTE & VENT PLAN NOTES NTS **C**

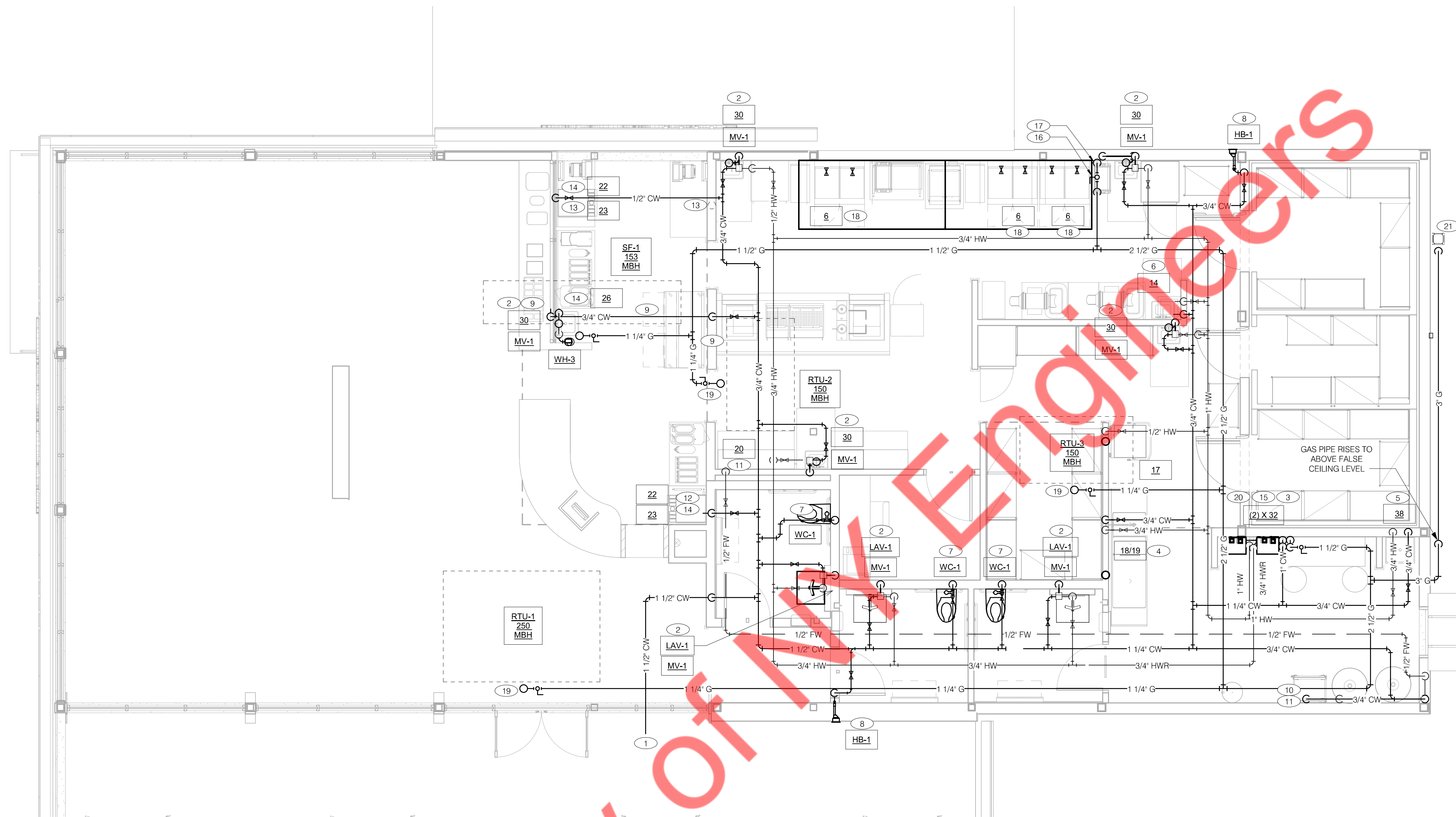
KEYNOTES - WASTE AND VENT NTS **B**

SAUCY, WILDWOOD

WASTE AND VENT PLAN

P2.0

PLOT DATE:



WATER & GAS PLAN 1/4" = 1'-0" **A**

- A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF "WATER VALLEYS". REFER TO ROOF PLAN FOR LOCATIONS.
- B. REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.
- C. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.
- D. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
- E. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER TO SERVE CARBONATOR. DRAIN RELIEF TO FLOOR SINK WITH AIR GAP

- 1. CONNECT 1-1/2" WATER SUPPLY DISTRIBUTION LINE TO EXISTING CW LINE AND RPZ. CONTRACTOR TO FIELD VERIFY EXISTING CW LINE AND EXISTING RPZ SIZE AND LOCATION.
- 2. 1/2" TEMPERED WATER LINE DOWN IN WALL TO HAND SINKS (TAG #30) & LAVATORY (LAV-1).
- 3. 1" HOT AND COLD WATER LINES TO #2 WATER HEATERS (TAG #32). PIPE CONDENSATE LINE, T&P DISCHARGE TO MOP SINK. PROVIDE WITH EXPANSION TANK. LEAVE MINIMUM 30" CLEARANCE IN FRONT AND 12" ABOVE AND BELOW FOR SERVICING.
- 4. 3/4" HOT AND COLD WATER LINES DOWN IN WALL TO POWER SOAK SINK (TAG # 18/19).
- 5. PROVIDE 3/4" HOT AND COLD WATER LINES DOWN IN WALL TO MOP SINK (TAG #38).
- 6. PROVIDE 1/2" HOT & COLD WATER LINE DOWN IN WALL TO CHICKEN PREP SINK (TAG #14).
- 7. 1" COLD WATER LINE DOWN IN WALL TO WATER CLOSET (WC-1).
- 8. PROVIDE 3/4" CW CONNECTION TO HOSE BIB (HB-1). ROUGH-IN @ 24" A.F.F.
- 9. 3/4" CW LINE DOWN IN WALL. TAKE (1) 1/2" COLD WATER TAP OFF TO HAND SINK (TAG #30) & (1) 1/2" COLD WATER TAP OFF TO INSTA-HOT ELECTRIC WATER HEATER (WH-3) BENEATH SINK. PROVIDE 1/2" HOT WATER CONNECTION FROM WH-3 TO HAND SINK.
- 10. 3/4" COLD WATER LINE DOWN IN ADJACENT WALL AND BRING BACK TO WATER FILTER. FW1 LINE WILL PROVIDE FILTERED WATER TO ICE MACHINES (TAG #22), COFFEE/TEA MACHINE (TAG #27), POT FILLER (TAG #21) & DRINK DISPENSER (TAG # 23). AVOID ROUTING PIPING IN FRONT OF WINDOW OVERHEAD.
- 11. PROVIDE ASSE 1022 APPROVED STAINLESS STEEL DUAL CHECK VALVES WITH ATMOSPHERIC PORT & STRAINER BFP FOR 1/2" COLD WATER LINE TO WATER FILTER & 1/2" FILTERED WATER LINE TO POT FILLER (TAG #21) & COFFEE/TEA BREWER (TAG #26).

- 12. ROUTE BUNDLED SYRUP LINES IN CEILING CONDUIT FROM BIB RACK (TAG #31) TO DRINK DISPENSER (TAG #23) AND FILTERED WATER LINES FROM WATER FILTER TO ICE MAKER (TAG #22) & COFFEE/TEA BREWER (TAG #26). SEE DRAWINGS P6.0 FOR REFERENCE.
- 13. ROUTE THIS CONDUIT SECTION OF BUNDLED LINES DOWN IN ADJACENT WALL AND IN SLAB UNDERGROUND ALL THE WAY TO EQUIPMENT. RAISE PIPES OUT FROM UNDERNEATH THE EQUIPMENT. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT CONTRACTOR.
- 14. PROVIDE ASSE 1012 APPROVED BACKFLOW PREVENTER ON 1/2" FILTERED WATER LINE TO ICE MAKER (TAG #22). ALSO PROVIDE 1/2" CW LINE WITH SHUT-OFF VALVE. REFER TO KEYNOTE #20 ON SHEET P5.0 FOR CONNECTION DETAILS.
- 15. 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATERS. PIPE INTAKE THRU ROOF AND EXHAUST THRU REAR WALL AS RECOMMENDED BY MANUFACTURER. SEE SHEET M2.0 AND DETAIL 6/P6.0. PLEASE NOTE THAT WATER HEATERS ARE INSTALLED IN CEILING. LEAVE AT LEAST 30" CLEARANCE IN FRONT FOR SERVICING.
- 16. PROVIDE EMERGENCY GAS SHUT-OFF VALVE. COORDINATE EXACT LOCATION WITH HOOD CONTRACTOR.
- 17. GAS MANIFOLD ALONG WALL TO COOKING EQUIPMENT. MOUNTING HEIGHT @ 12" A.F.F.
- 18. (2) 1" GAS CONNECTIONS TO FRYER (TAG #6). PROVIDE WITH FLEXIBLE HOSE KIT, DIRT LEG & OTHER REQUIRED ACCESSORIES.
- 19. ROUTE 1" GAS LINE UP TO ROOF AND PROVIDE GAS CONNECTION TO RTU UNIT. PROVIDE WITH DIRT LEG, FLEXIBLE CONNECTION AND OTHER GAS ACCESSORIES.
- 20. ROUTE 1-1/2" GAS LINE DOWN ALONG WALL AND PROVIDE GAS CONNECTION TO WATER HEATERS WH-1 & WH-2.
- 21. CONNECT NEW GAS METER TO GAS UTILITY LINE. COORDINATE EXACT LOCATION WITH GAS UTILITY. PROVIDED GAS METER MUST PROVIDE 2000 CFH CAPACITY & 8"-10.5" W.C. OUTLET PRESSURE. PROVIDE GAS PRESSURE REDUCING VALVE IF PRESSURE EXCEEDS 10.5" W.C.

WATER & GAS PLAN NOTES NTS **C**

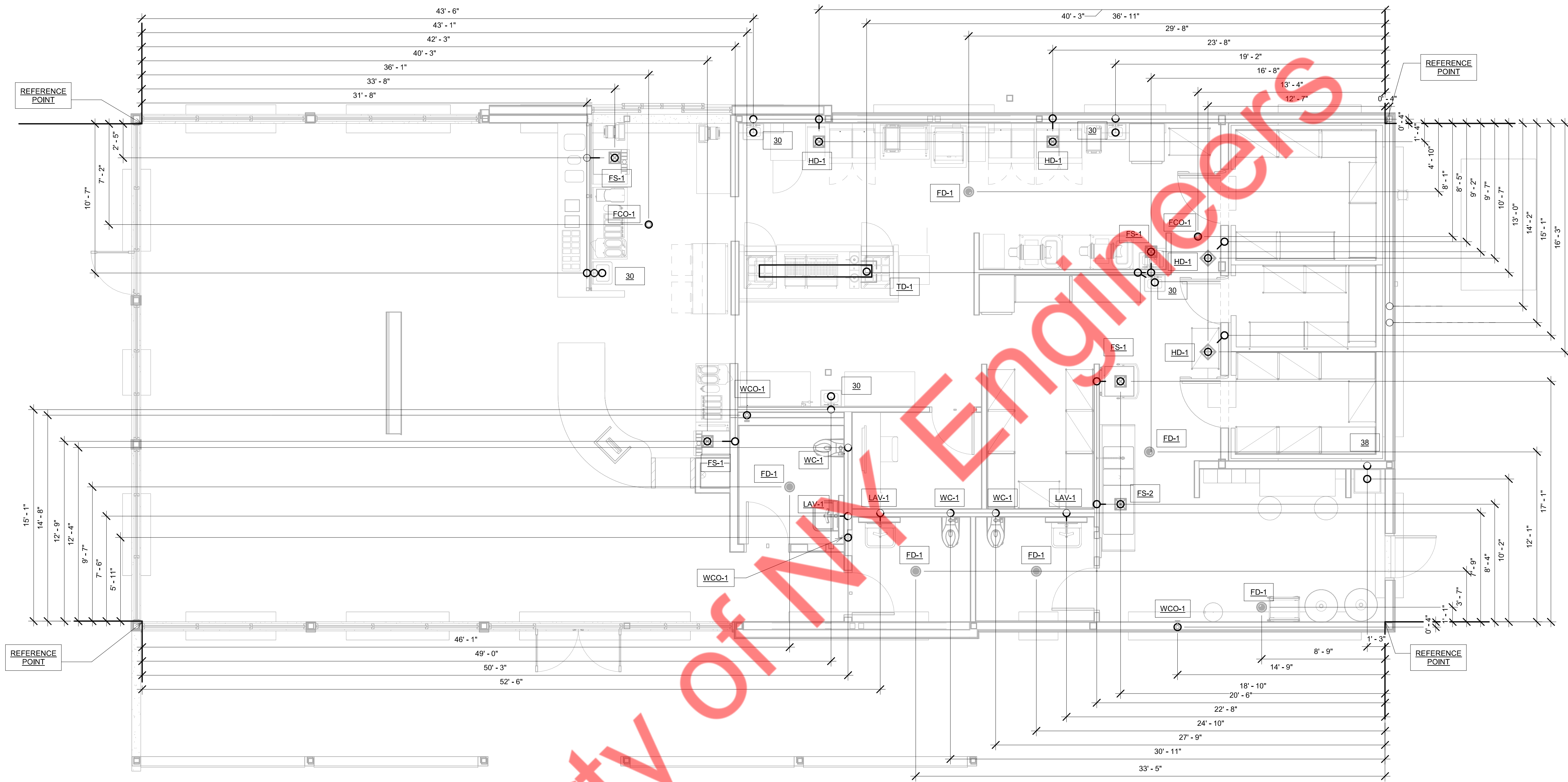
KEYNOTES - WATER AND GAS NTS **B**

SAUCY, WILDWOOD

WATER AND GAS PLAN

P3.0

PLOT DATE:



PLUMBING ROUGH-IN PLAN 1/4" = 1'-0" **A**

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS-1	FLOOR SINK			--
FS-2	FLOOR SINK			EPOXY COATED CAST IRON
HD-1	HUB DRAIN			--
32	WATER HEATER	CW	+84" A.F.F.	--
WC-1	WATER CLOSET	CW	+29" A.F.F.	
LAV-1	LAVATORY	W	+24" A.F.F.	VERIFY w/ADA REQUIREMENTS
LAV-1	LAVATORY WASTE LINE	TW	+18" A.F.F.	VERIFY w/ADA REQUIREMENTS
30	HAND SINK	TW	+24" A.F.F.	RIM OF LAV @ +2-8" A.F.F.
38	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR
38	MOP SINK FAUCET	CW/HW	+36" A.F.F.	--
18	3-COMPARTMENT SINK	W	+19" A.F.F.	--
19	3-COMPARTMENT SINK FAUCET	CW/HW	+18" A.F.F.	--
14	CHICKEN PREP SINK	W	+19" A.F.F.	--
14	CHICKEN PREP SINK FAUCET	CW/HW	+38" A.F.F.	--
HB-1	HOSE BIB	CW	+18" A.F.F.	--

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
17	WAREWASHER	HW	+12" A.F.F.	--
8	GAS FRYER	G	+12" A.F.F.	--
21	POT FILLER	FW	+42" A.F.F.	VERIFY w/KITCHEN CONTRACTOR
22	ICE MAKER	FW	+84" A.F.F.	VERIFY w/KITCHEN CONTRACTOR
23	DRINK DISPENSER	FW	+24" A.F.F.	VERIFY w/KITCHEN CONTRACTOR
27	COFFEE/TEA DISPENSER	FW	+24" A.F.F.	VERIFY w/KITCHEN CONTRACTOR
31	BIB RACK	W		

PLUMBING ROUGH-IN SCHEDULE NTS **C**

- ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS AND EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM CORRECTNESS OF DIMENSIONS INDICATED HEREIN.

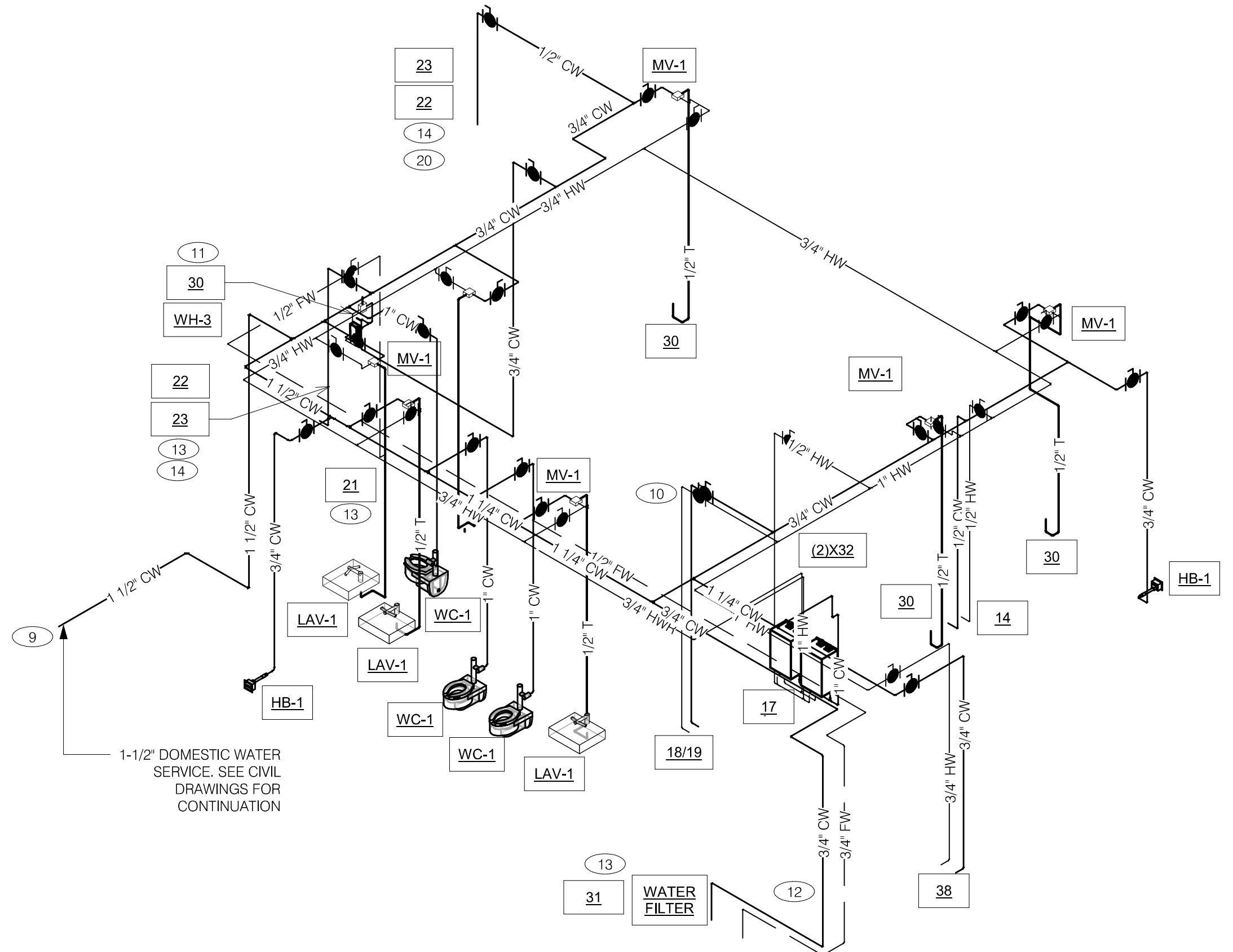
PLUMBING ROUGH-IN NOTES NTS **B**

SAUCY, WILDWOOD

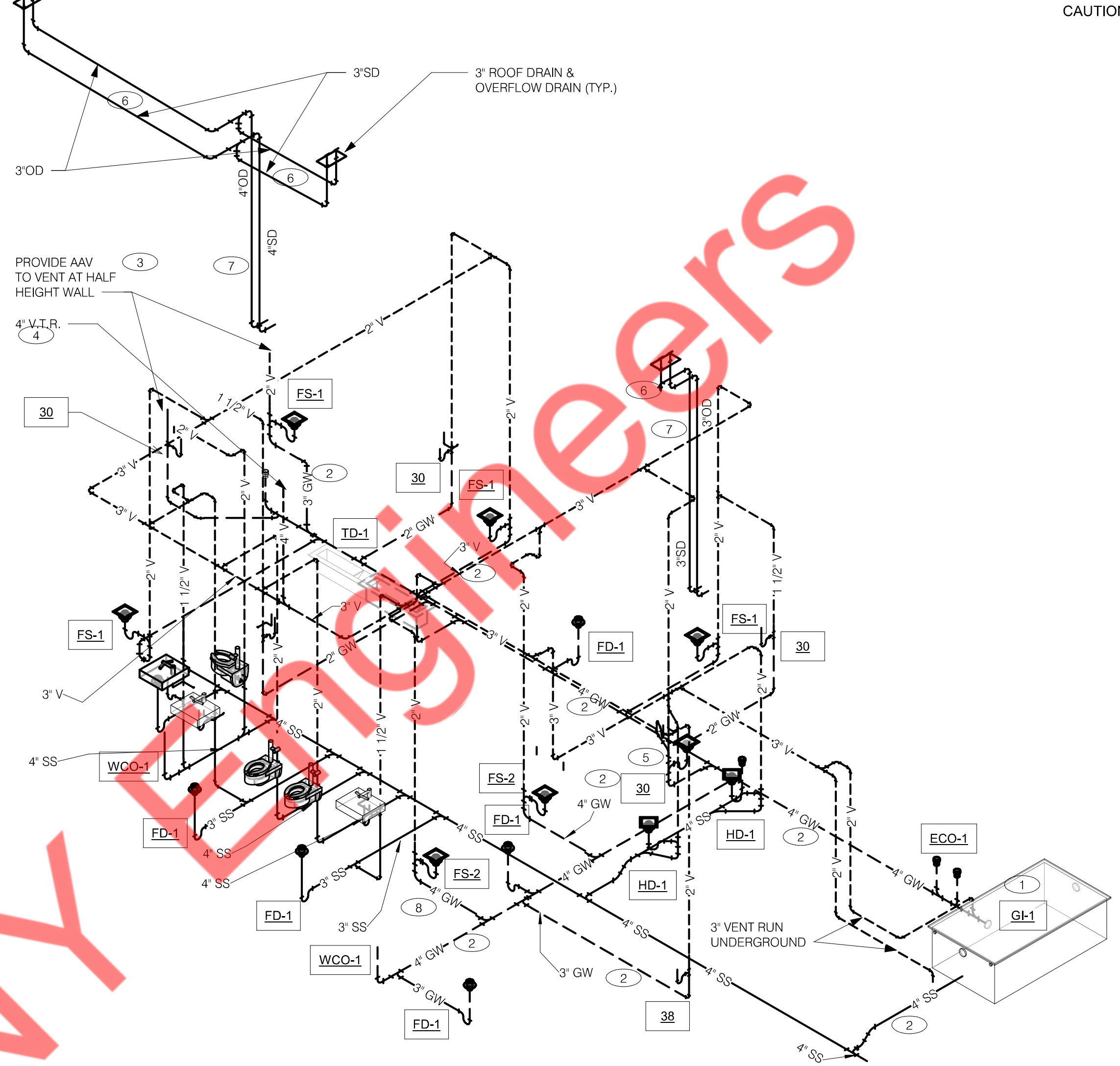
PLUMBING ROUGH-IN PLAN

P4.0

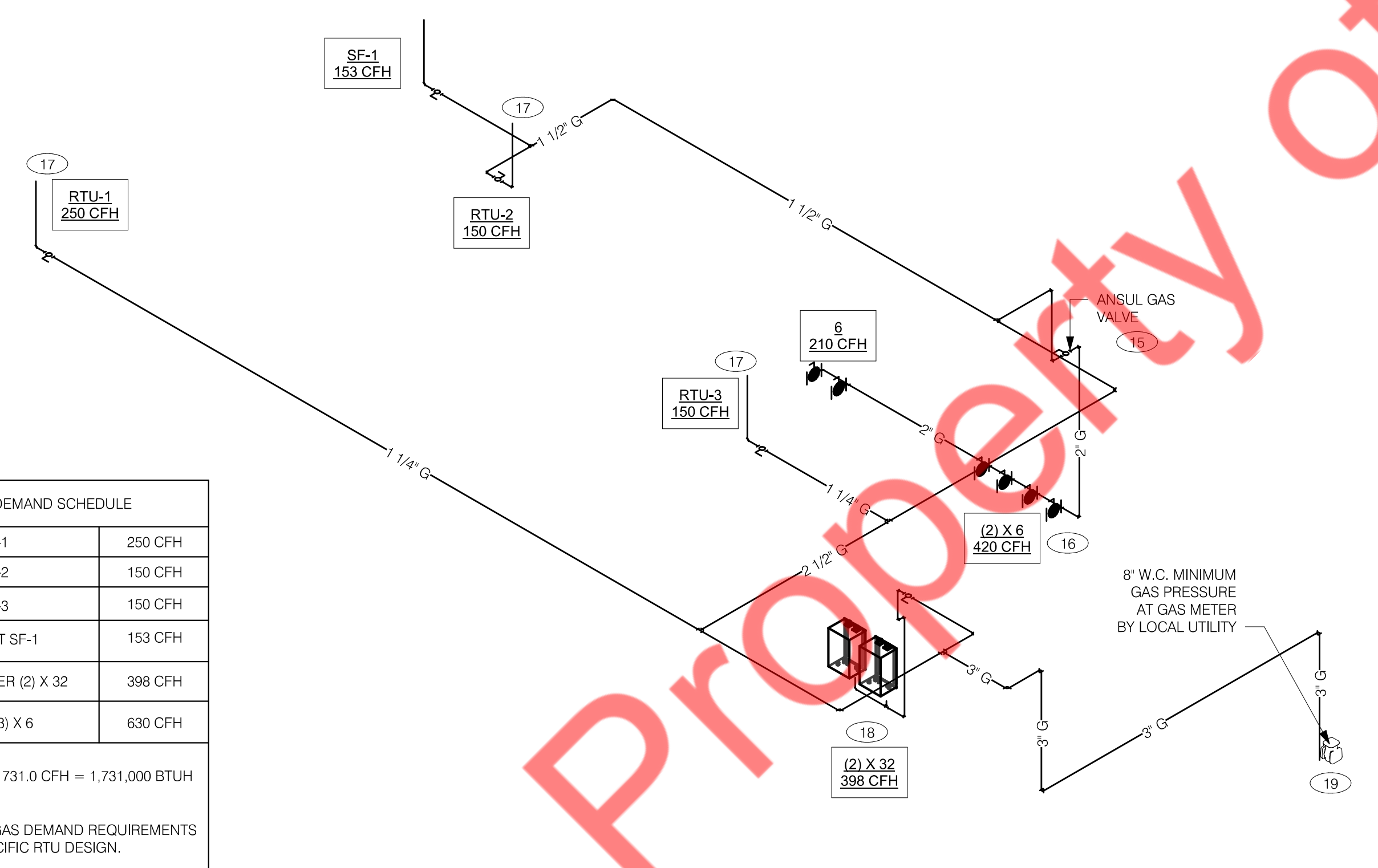
PLOT DATE:



WATER ISOMETRIC NTS **D**



WASTE AND VENT ISOMETRIC NTS **A**

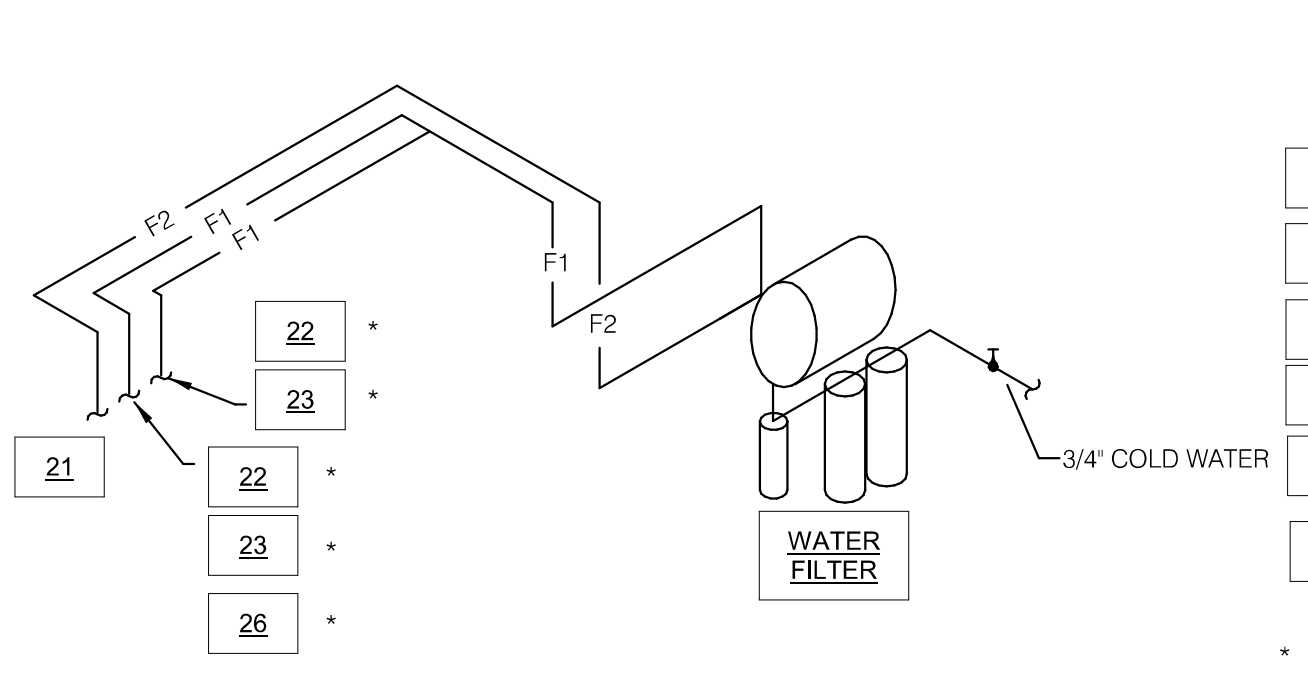


GAS ISOMETRIC NTS **E**

GAS DEMAND SCHEDULE	
RTU-1	250 CFH
RTU-2	150 CFH
RTU-3	150 CFH
MAU UNIT SF-1	153 CFH
WATER HEATER (2) X 32	398 CFH
FRYER (3) X 6	630 CFH
TOTAL DEMAND	1731.0 CFH = 1,731,000 BTUH

NOTE:
COORDINATE GAS DEMAND REQUIREMENTS WITH SITE-SPECIFIC RTU DESIGN.

PIPE SIZE BASED ON 200' OF PIPE AND 8" W.C. OPERATING PRESSURE



- FILTERED EQUIPMENT AND LINES:**
- WATER FILTER
- FILTERED LINE (COLD WATER)**
- 22 - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER *
 - 22 - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER *
 - 23 - DRIVE-THRU BEVERAGE DISPENSER *
 - 23 - SELF-SERVE BEVERAGE DISPENSER *
 - 26 - ICED TEA BREWER *
 - 21 - POT FILLER
- * FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

FILTERED WATER ISOMETRIC NTS **B**

- 1500 GREASE INTERCEPTOR PROVIDED BY CIVIL CONTRACTOR. REFER CIVIL UTILITY PLANS FOR EXACT LOCATION OF INTERCEPTOR.
- ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
- WALL ADJACENT TO SANITARY FIXTURE IS AT HALF HEIGHT. PROVIDE AIR ADMITTANCE VALVE (AAV) FOR VENTING SANITARY FIXTURE.
- 4" VENT UP THROUGH ROOF.
- HAND SINK (TAG #30) & FLOOR SINK (FS-1) SHARE COMMON SANITARY PIPE & VENT PIPE.
- STORM & OVERFLOW PIPE RUNNING HORIZONTALLY ABOVE FALSE CEILING FROM ROOF DRAIN ABOVE. PROVIDE 1/8" PER FOOT SLOPE FOR THE SAME.
- DROP DOWN STORM & OVERFLOW PIPES IN WALL. DRAIN TO GROUND OUTSIDE. COORDINATE EXACT LOCATION WITH CIVIL CONTRACTOR.
- PROVIDE NO HUB CAST IRON PIPE FOR FIRST 10 FEET OF PIPE FROM CONNECTION TO FLOOR SINK FS-2
- CONNECT 1-1/2" WATER SUPPLY DISTRIBUTION LINE TO EXISTING CW LINE AND RPZ. CONTRACTOR TO FIELD VERIFY EXISTING CW LINE AND EXISTING RPZ SIZE AND LOCATION.
- (2) 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO POWER SOAK SINK (TAG #18/19).
- 3/4" CW LINE DOWN IN WALL. TAKE (1) 1/2" COLD WATER TAP OFF TO HAND SINK (TAG #30) & (1) 1/2" COLD WATER TAP OFF TO INSTA-HOT ELECTRIC WATER HEATER (WH-3) BENEATH SINK. PROVIDE 1/2" HOT WATER CONNECTION FROM WH-3 TO HAND SINK.
- 3/4" COLD WATER LINE DOWN IN ADJACENT WALL AND BRING BACK TO WATER FILTER. FW1 LINE WILL PROVIDE FILTERED WATER TO ICE MACHINES (TAG #22), COFFEE/TEA MACHINE (TAG#27), POT FILLER (TAG #21) & DRINK DISPENSER (TAG #23). AVOID ROUTING PIPING IN FRONT OF WINDOW OVERHEAD.
- PROVIDE ASSE 1022 APPROVED STAINLESS STEEL DUAL CHECK VALVES WITH ATMOSPHERIC PORT & STRAINER BFP FOR 1/2" COLD WATER LINE TO WATER FILTER & 1/2" FILTERED WATER LINE TO POT FILLER (TAG #21) & COFFEE/TEA BREWER (TAG #26).
- PROVIDE ASSE 1012 APPROVED BACKFLOW PREVENTER ON 1/2" FILTERED WATER LINE TO ICE MAKER (TAG #22). ALSO PROVIDE 1/2" CW LINE WITH SHUT-OFF VALVE.
- PROVIDE EMERGENCY GAS SHUT-OFF VALVE. COORDINATE EXACT LOCATION WITH HOOD CONTRACTOR.
- (2) 1" GAS CONNECTIONS TO FRYER (TAG #6). PROVIDE WITH FLEXIBLE HOSE KIT, DIRT LEG & OTHER REQUIRED ACCESSORIES.
- ROUTE 1" GAS LINE UP TO ROOF AND PROVIDE GAS CONNECTION TO RTU UNIT. PROVIDE WITH DIRT LEG, FLEXIBLE CONNECTION AND OTHER GAS ACCESSORIES.
- ROUTE 1-1/2" GAS LINE DOWN ALONG WALL AND PROVIDE GAS CONNECTION TO WATER HEATERS (TAG #32). PROVIDE WITH FLEXIBLE HOSE KIT, DIRT LEG & OTHER REQUIRED ACCESSORIES.
- CONNECT NEW GAS METER TO GAS UTILITY LINE. COORDINATE EXACT LOCATION WITH GAS UTILITY. PROVIDED GAS METER MUST PROVIDE 2000 CFH CAPACITY & 8"-10.5" W.C. OUTLET PRESSURE. PROVIDE GAS PRESSURE REDUCING VALVE IF PRESSURE EXCEEDS 10.5" W.C.
- TAKE 1/2" CW CONNECTION FOR ICE MACHINE (TAG #22) FROM ABOVE. PROVIDE FLEXIBLE PIPING BELOW CEILING LEVEL TO CONNECT TO ICE MACHINE. COORDINATE EXACT REQUIREMENT WITH EQUIPMENT VENDOR. REPORT BACK TO ENGINEER FOR ANY DISCREPANCIES.

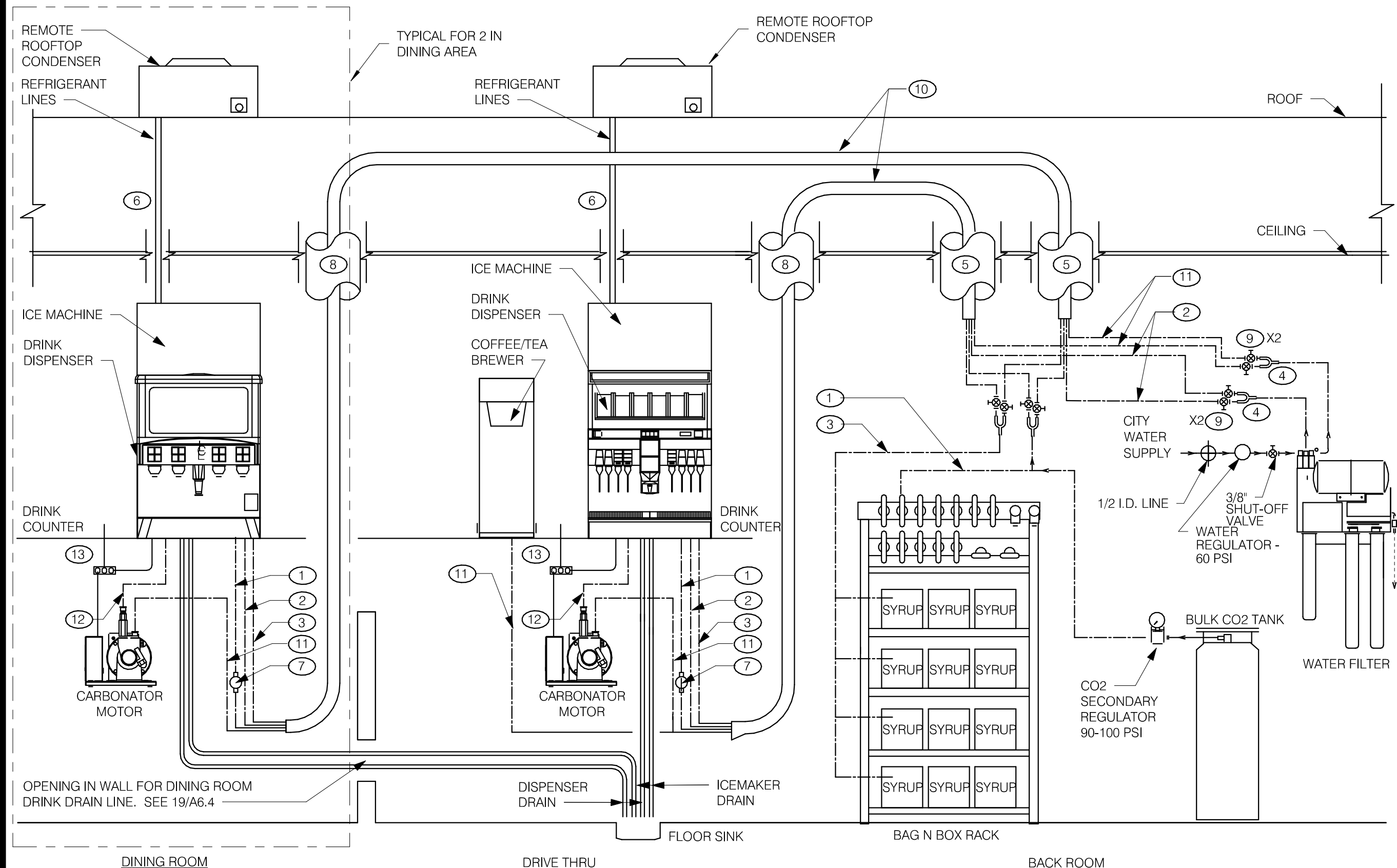
KEYNOTES - ISOMETRICS NTS **C**

SAUCY, WILDWOOD

RISER DIAGRAMS

P5.0

PLOT DATE:



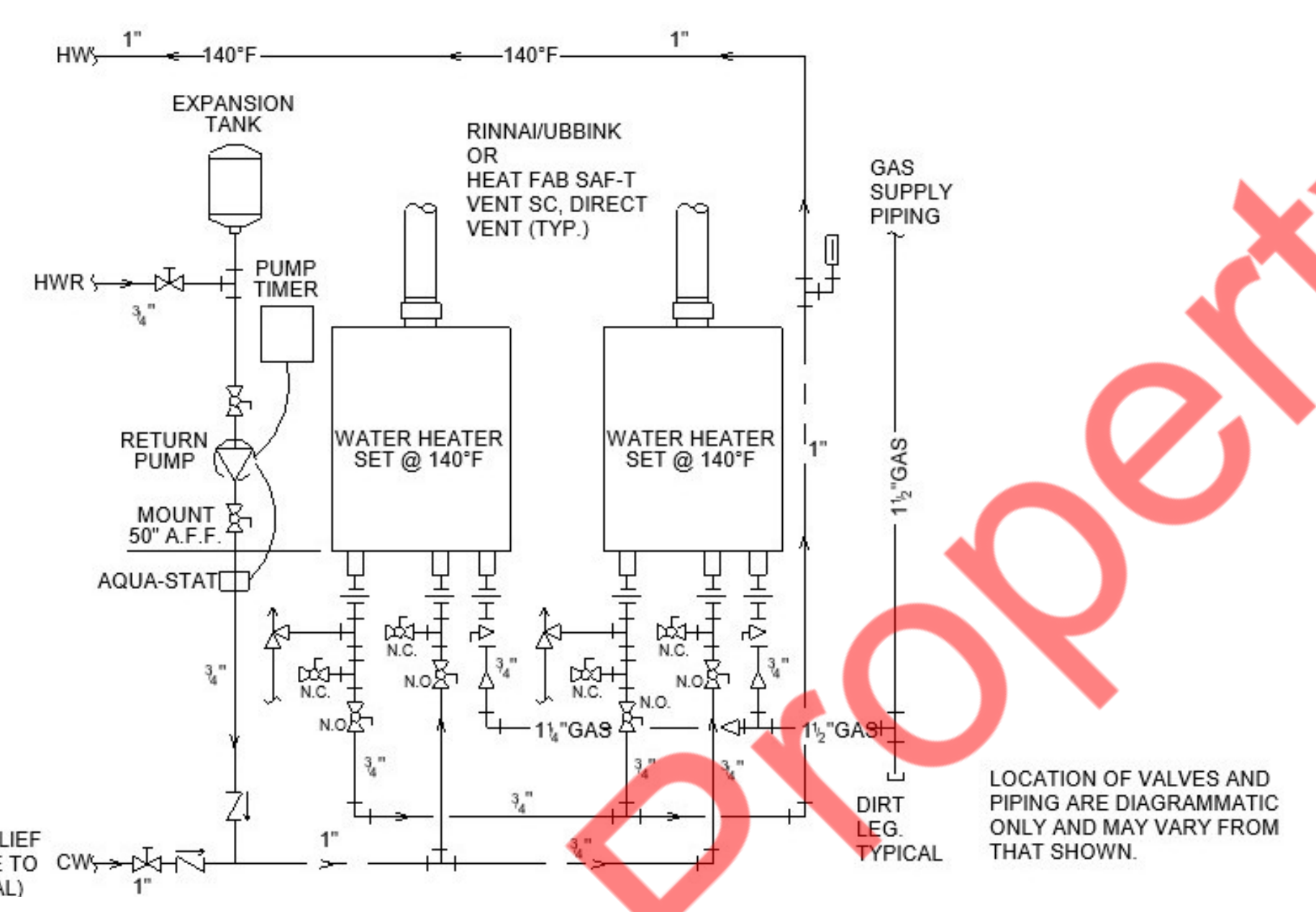
- GENERAL NOTES:**
- OVERALL FILTER DIMENSIONS: 21" WIDE x 12" DEEP x 48 1/2" HIGH
 - SEE DETAIL SCOPE OF WORK FOR SCOPE DEFINITIONS.
 - ROUGH-INS SHALL BE PROVIDED BY CONTRACTOR.
 - INSTALLATION SHALL COMPLY WITH STATE AND LOCAL PLUMBING CODES.
 - FILTER SHALL BE PROTECTED AGAINST FREEZING.
 - USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
 - DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
 - SEE EQUIPMENT PLAN FOR LOCATION.
 - SEE DETAIL 3 THIS SHEET FOR BUNDLE DETAILS
 - "Y" FOR ICE MACHINES SUPPLY LINES SHALL BE INSTALLED @ FILTER OUTLET.
 - BACKFLOW PREVENTERS FOR FILTER ASSEMBLY ARE PROVIDED.

THERE ARE TWO SELF-SERVE DRINK/ICE SYSTEMS WHICH SHARE A COMMON FLOOR SINK WITH THE D/T DRINK/ICE SYSTEM.

EQUIPMENT RATING:
 ED250 DISPENSER - 115V, 3.5 AMPS
 ED300 DISPENSER - 115V, 4.0 AMPS
 CARBONATOR - 115V, 60 Hz, 7.0 AMPS
 BOOSTER ASSEMBLY - 115V, 60 Hz, 6.5 AMPS

- KEY NOTES:**
- 1 3/8" CO₂ LINE
 - 2 3/8" FILTERED WATER LINE - ICE MACHINES
 - 3 3/8" SYRUP LINES
 - 4 1/2" X 3/8" X 3/8" "Y"
 - 5 BUNDLED TUBING CEILING PENETRATION.
 - 6 STAINLESS CHASE SURFACE MOUNTED FROM CEILING TO TOP OF ICE MACHINE
 - 7 PRE-SET CO₂ REGULATOR
 - 8 RECESSED 4" DIA. PVC VERTICAL CHASE FOR DRINK SYSTEM BUNDLED TUBING SYSTEM.
 - 9 3/8" SHUT-OFF VALVES BARB FITTINGS
 - 10 DRINK SYSTEM BUNDLED TUBING. SEE DETAIL 6/P6.0
 - 11 3/8" FILTERED WATERLINE - COFFEE/TEA MACHINES & CARBONATOR
 - 12 3/8" LINE FOR PRESSURIZED FILTERED WATER
 - 13 ELECTRICAL FOR DRINK SYSTEM. SEE SHEET E3.0

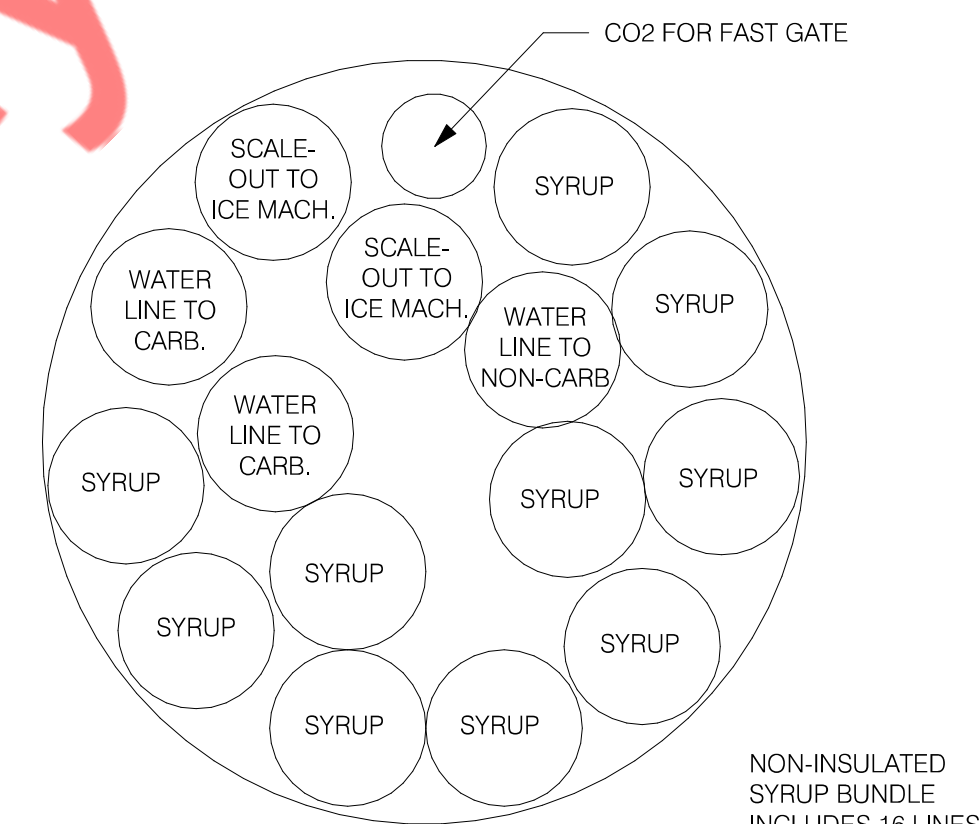
DRINK SYSTEM SCHEMATIC NTS **H**



ASME RATED T & P RELIEF VALVE. PIPE FULL SIZE TO FLOOR DRAIN. (TYPICAL)

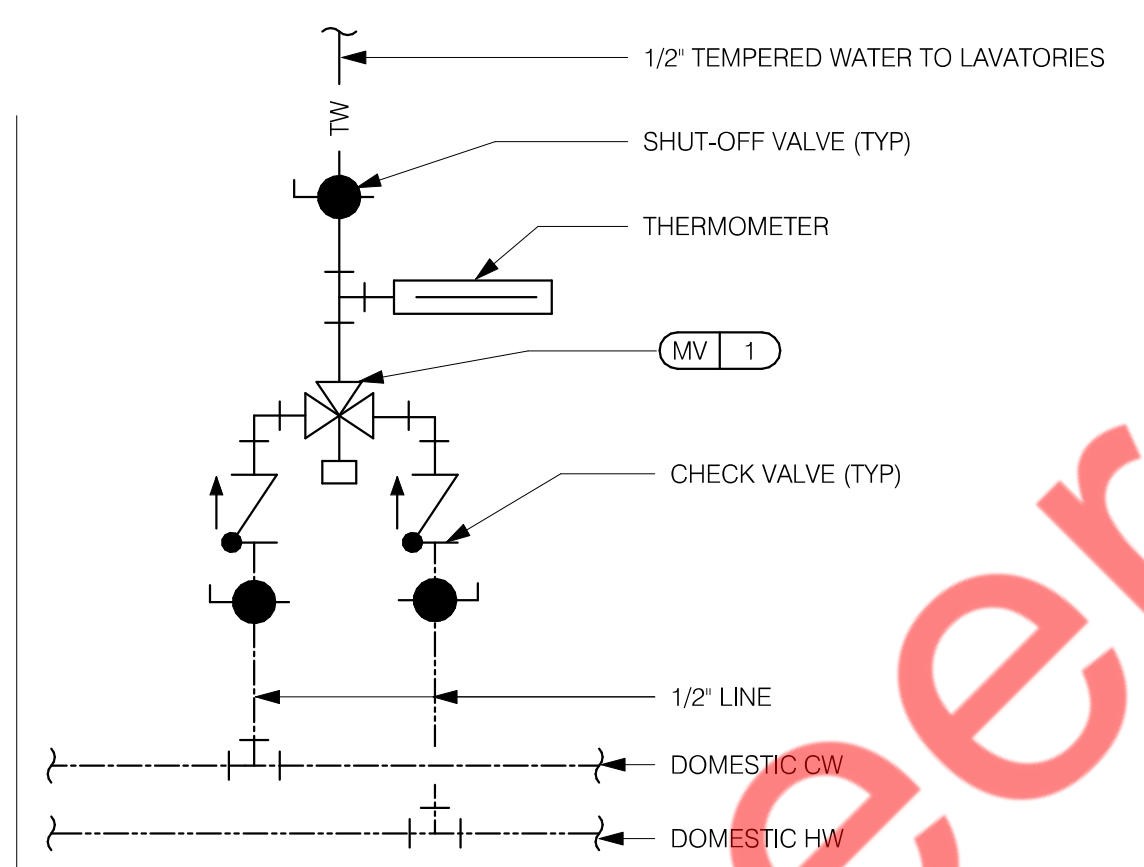
LOCATION OF VALVES AND PIPING ARE DIAGRAMMATIC ONLY AND MAY VARY FROM THAT SHOWN.

TANKLESS WATER HEATER NTS **I**

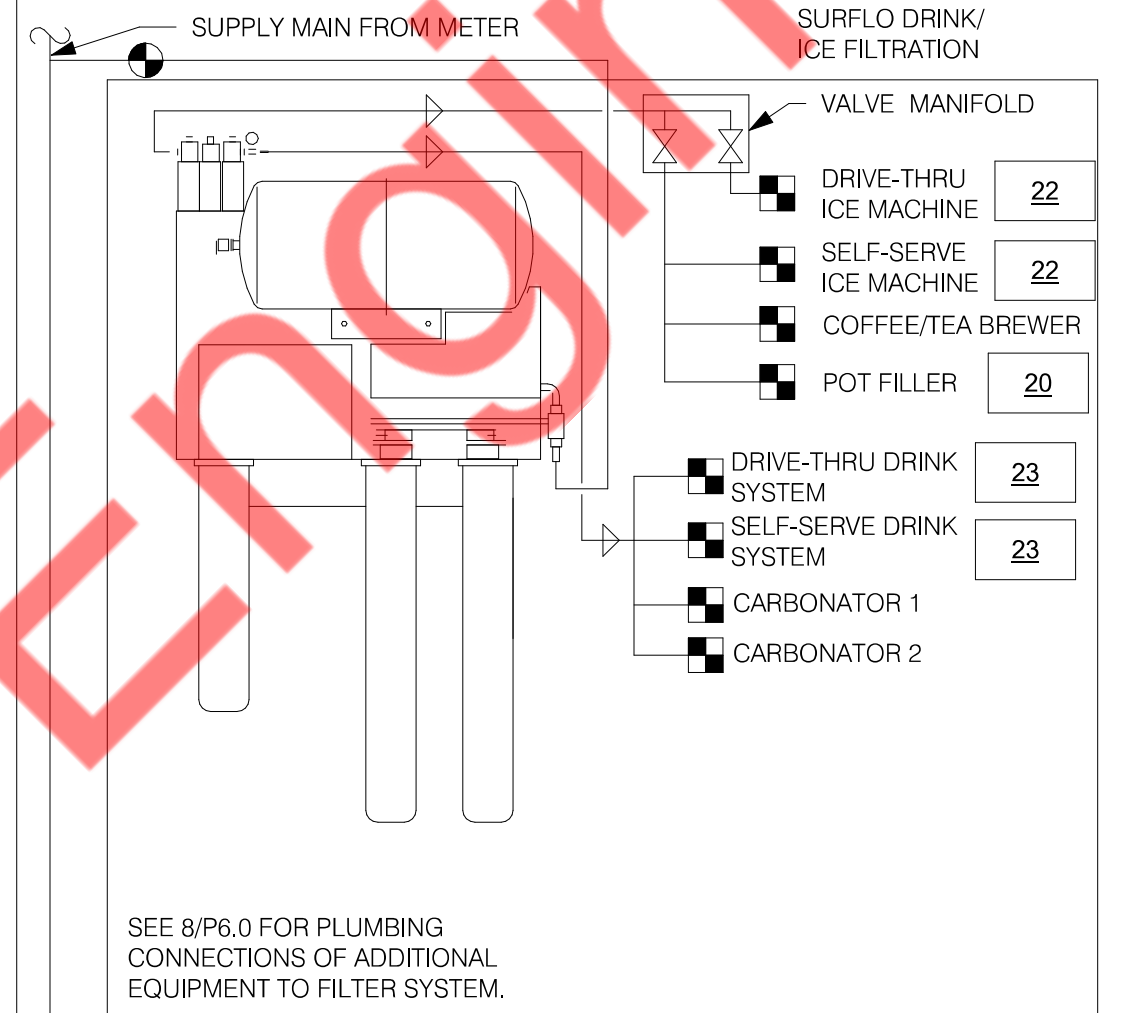


NON-INSULATED SYRUP BUNDLE INCLUDES 16 LINES

SYRUP BUNDLE CONFIGURATION NTS **G**

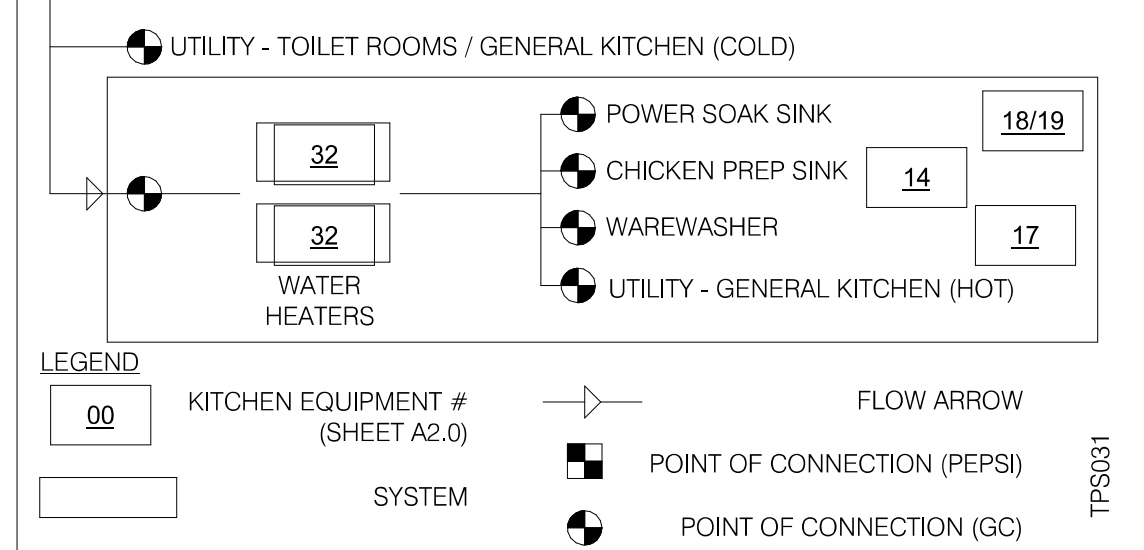


TEMPERING VALVE NTS **F**

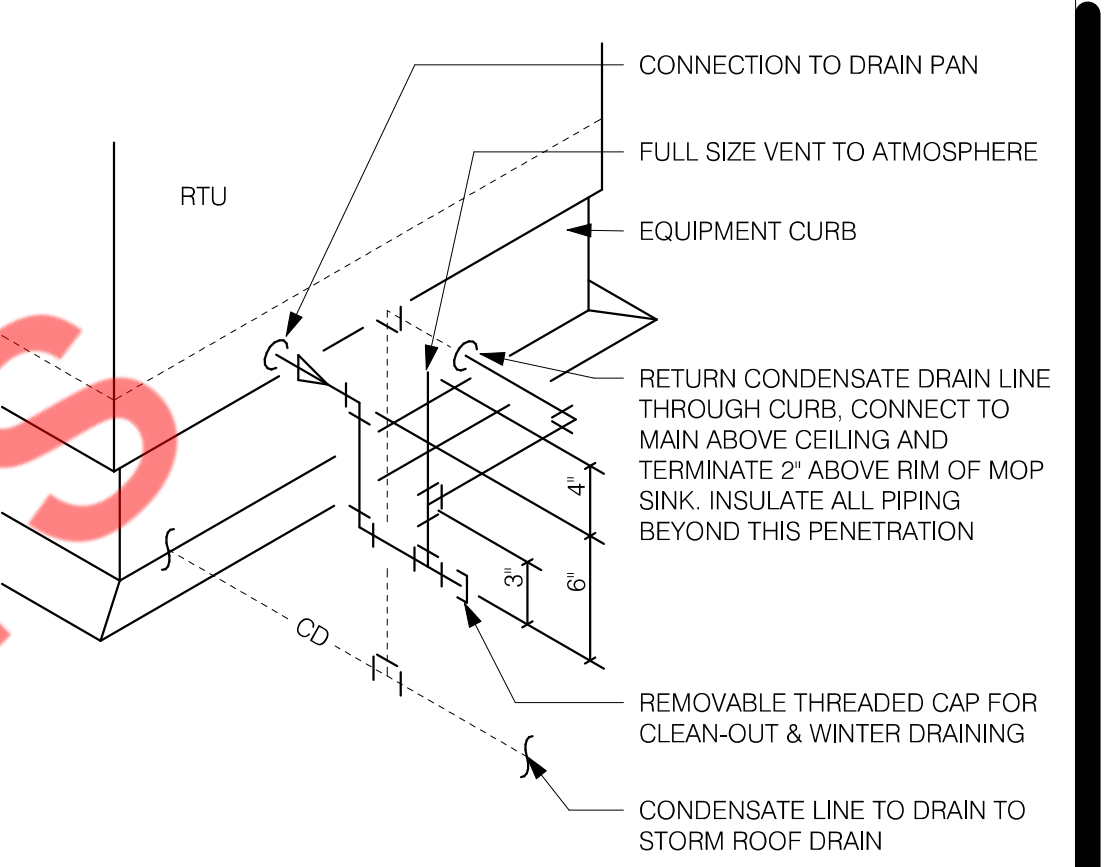


SEE 8/P6.0 FOR PLUMBING CONNECTIONS OF ADDITIONAL EQUIPMENT TO FILTER SYSTEM.

WATER FILTRATION SCHEMATIC NTS **E**

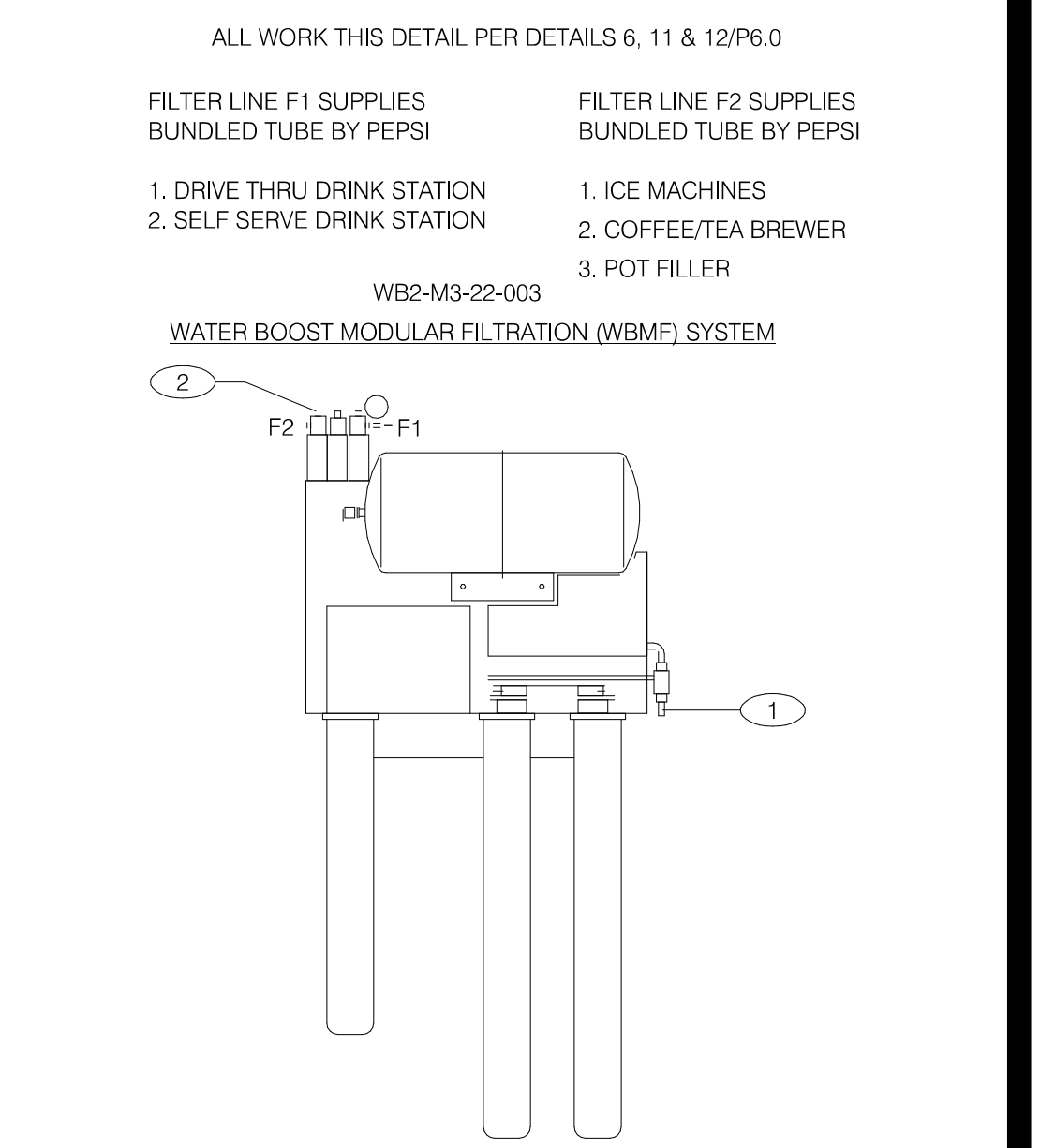


LAVATORY SUPPORT NTS **D**



RTU CONDENSATE NTS **C**

NOT USED NTS **B**



- KEY NOTES:**
- 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
 - 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

- GENERAL NOTES:**
- OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH
 - SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
 - INSTALLATION SHALL COMPLY WITH STATE AND LOCAL PLUMBING CODES.
 - THE UNIT SHALL BE PROTECTED AGAINST FREEZING.
 - USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
 - DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
 - SEE SHT. A2.0 FOR LOCATION.

WATER FILTER SYSTEM NTS **A**

SAUCY, WILDWOOD

PLUMBING DETAILS

P6.0

PLOT DATE:

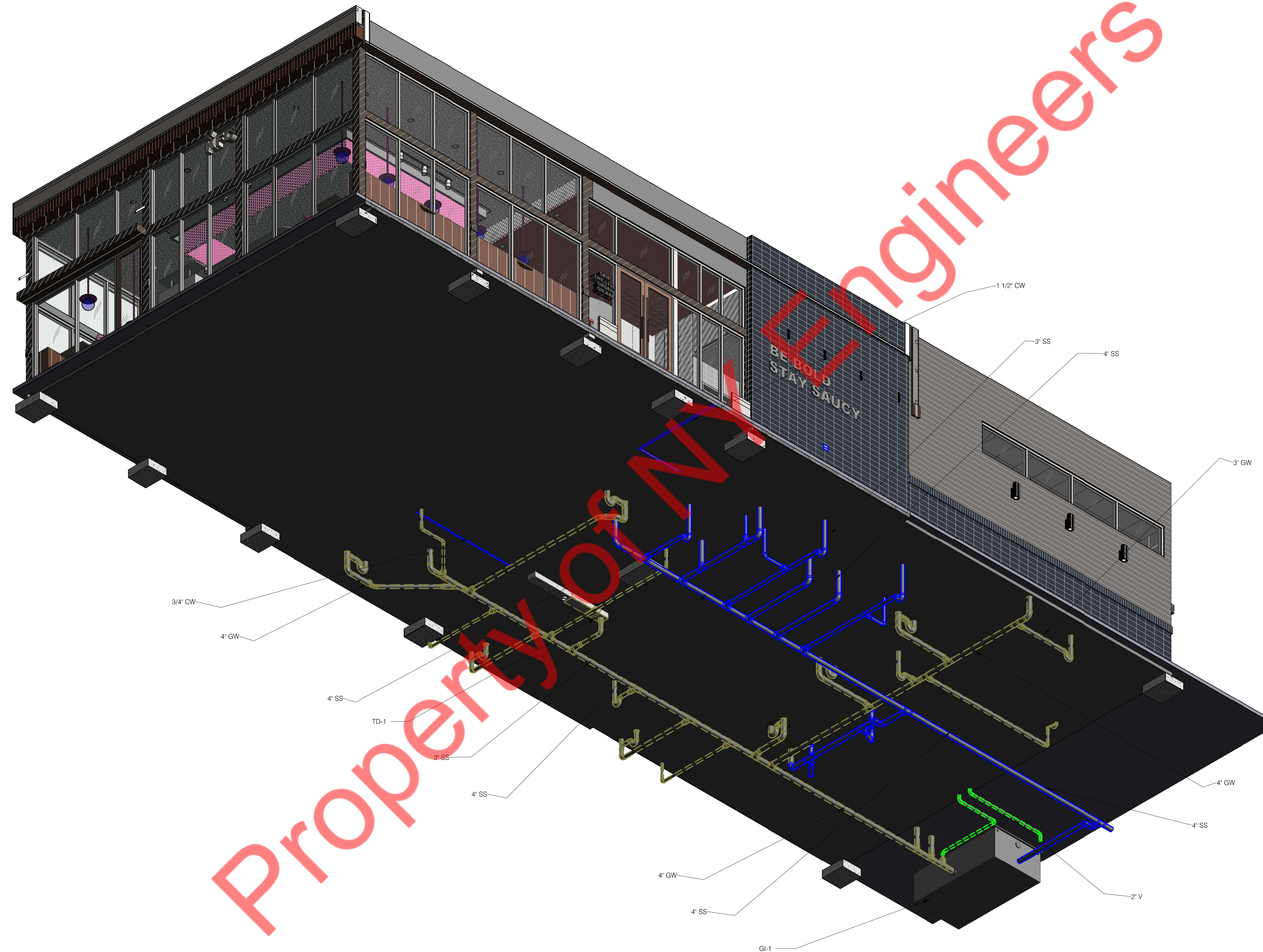


SAUCY, WILDWOOD

PLUMBING
PIPING 3D VIEW

P6.1

PLOT DATE:



Property of Properly Engineered

SAUCY, WILDWOOD

PLUMBING U/G
PIPING 3D VIEW

P6.2

PIPING U/G 3D VIEW NTS

A

PLOT DATE: