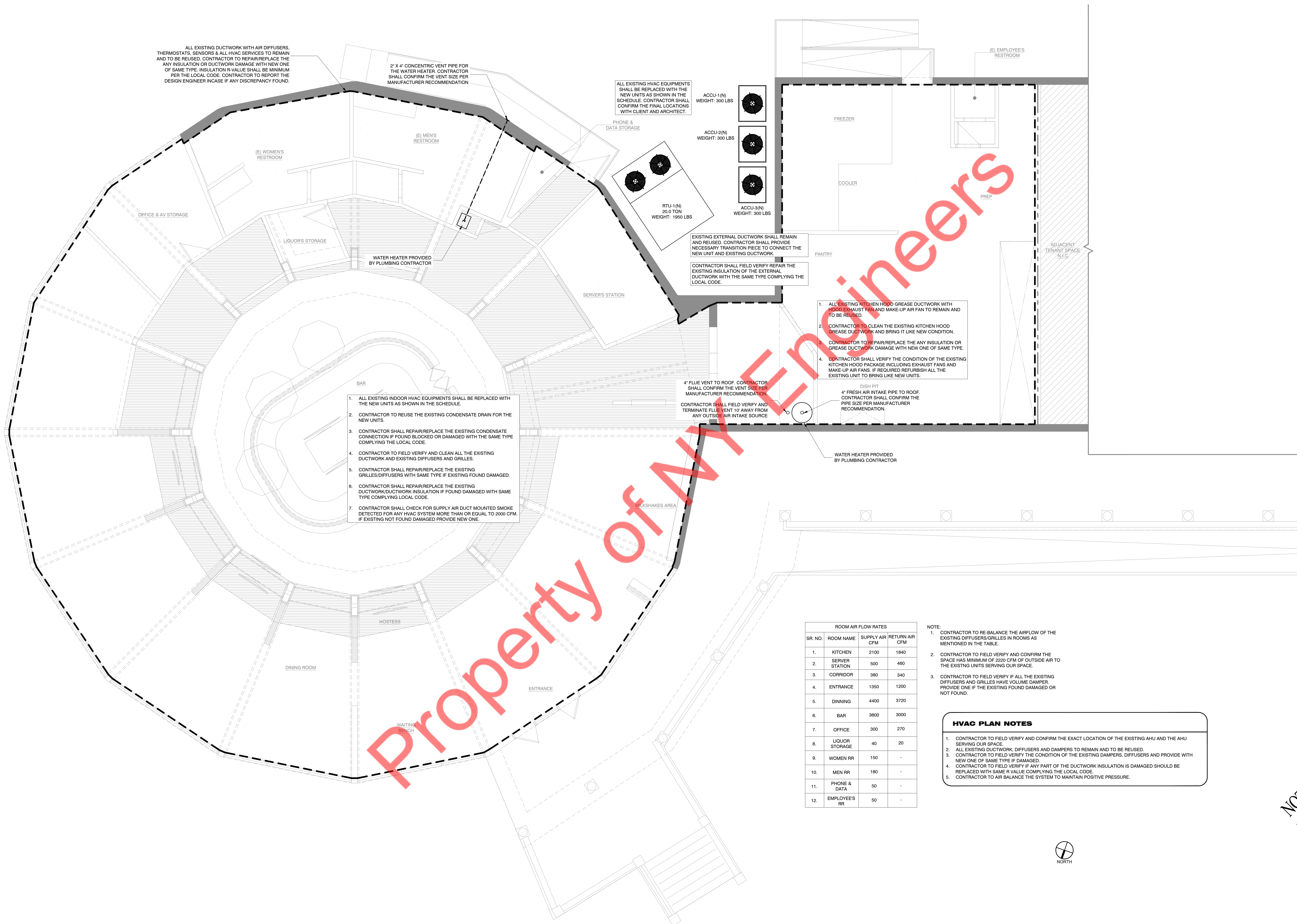


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NOT FOR CONSTRUCTION



ALL EXISTING DUCTWORK WITH AIR DIFFUSERS, THERMOSTATS, SENSORS & ALL HVAC SERVICES TO REMAIN AND TO BE REUSED. CONTRACTOR TO REPAIR/REPLACE THE ANY INSULATION OR DUCTWORK DAMAGE WITH NEW ONE OF SAME TYPE. INSULATION R VALUE SHALL BE MINIMUM PER THE LOCAL CODE. CONTRACTOR TO REPORT THE DESIGN ENGINEER INCASE IF ANY DISCREPANCY FOUND.

2" X 4" CONCENTRIC VENT PIPE FOR THE WATER HEATER. CONTRACTOR SHALL CONFIRM THE VENT SIZE PER MANUFACTURER RECOMMENDATION.

ALL EXISTING HVAC EQUIPMENTS SHALL BE REPLACED WITH THE NEW UNITS AS SHOWN IN THE SCHEDULE. CONTRACTOR SHALL CONFIRM THE FINAL LOCATIONS WITH CLIENT AND ARCHITECT.

PHONE & DATA STORAGE

ACCU-1(N)
WEIGHT: 300 LBS

ACCU-2(N)
WEIGHT: 300 LBS

RTU-1(N)
20.0 TON
WEIGHT: 1950 LBS

ACCU-3(N)
WEIGHT: 300 LBS

EXISTING EXTERNAL DUCTWORK SHALL REMAIN AND REUSED. CONTRACTOR SHALL PROVIDE NECESSARY TRANSITION PIECE TO CONNECT THE NEW UNIT AND EXISTING DUCTWORK.

CONTRACTOR SHALL FIELD VERIFY REPAIR THE EXISTING INSULATION OF THE EXTERNAL DUCTWORK WITH THE SAME TYPE COMPLYING THE LOCAL CODE.

1. ALL EXISTING KITCHEN HOOD GREASE DUCTWORK WITH HOOD EXHAUST FAN AND MAKE-UP AIR FAN TO REMAIN AND TO BE REUSED.
2. CONTRACTOR TO CLEAN THE EXISTING KITCHEN HOOD GREASE DUCTWORK AND BRING IT LIKE NEW CONDITION.
3. CONTRACTOR TO REPAIR/REPLACE THE ANY INSULATION OR GREASE DUCTWORK DAMAGE WITH NEW ONE OF SAME TYPE.
4. CONTRACTOR SHALL VERIFY THE CONDITION OF THE EXISTING KITCHEN HOOD PACKAGE INCLUDING EXHAUST FANS AND MAKE-UP AIR FANS. IF REQUIRED REPAIR/REPLACE ALL THE EXISTING UNIT TO BRING LIKE NEW UNITS.

4" FLUE VENT TO ROOF. CONTRACTOR SHALL CONFIRM THE VENT SIZE PER MANUFACTURER RECOMMENDATION.
CONTRACTOR SHALL FIELD VERIFY AND TERMINATE FLUE VENT 10' AWAY FROM ANY OUTSIDE AIR INTAKE SOURCE.

DISH PIT
4" FRESH AIR INTAKE PIPE TO ROOF. CONTRACTOR SHALL CONFIRM THE PIPE SIZE PER MANUFACTURER RECOMMENDATION.

WATER HEATER PROVIDED BY PLUMBING CONTRACTOR

1. ALL EXISTING INDOOR HVAC EQUIPMENTS SHALL BE REPLACED WITH THE NEW UNITS AS SHOWN IN THE SCHEDULE.
2. CONTRACTOR TO REUSE THE EXISTING CONDENSATE DRAIN FOR THE NEW UNITS.
3. CONTRACTOR SHALL REPAIR/REPLACE THE EXISTING CONDENSATE CONNECTION IF FOUND BLOCKED OR DAMAGED WITH THE SAME TYPE COMPLYING THE LOCAL CODE.
4. CONTRACTOR TO FIELD VERIFY AND CLEAN ALL THE EXISTING DUCTWORK AND EXISTING DIFFUSERS AND GRILLES.
5. CONTRACTOR SHALL REPAIR/REPLACE THE EXISTING GRILLES/DIFFUSERS WITH SAME TYPE IF EXISTING FOUND DAMAGED.
6. CONTRACTOR SHALL REPAIR/REPLACE THE EXISTING DUCTWORK/DUCTWORK INSULATION IF FOUND DAMAGED WITH SAME TYPE COMPLYING LOCAL CODE.
7. CONTRACTOR SHALL CHECK FOR SUPPLY AIR DUCT MOUNTED SMOKE DETECTED FOR ANY HVAC SYSTEM MORE THAN OR EQUAL TO 2000 CFM. IF EXISTING NOT FOUND DAMAGED PROVIDE NEW ONE.

ROOM AIR FLOW RATES			
SR. NO.	ROOM NAME	SUPPLY AIR CFM	RETURN AIR CFM
1.	KITCHEN	2100	1840
2.	SERVER STATION	500	460
3.	CORRIDOR	380	340
4.	ENTRANCE	1350	1200
5.	DINNING	4400	3720
6.	BAR	3600	3000
7.	OFFICE	300	270
8.	LIQUOR STORAGE	40	20
9.	WOMEN RR	150	-
10.	MEN RR	180	-
11.	PHONE & DATA	50	-
12.	EMPLOYEES RR	50	-

- NOTE:
1. CONTRACTOR TO RE-BALANCE THE AIRFLOW OF THE EXISTING DIFFUSERS/GRILLES IN ROOMS AS MENTIONED IN THE TABLE.
 2. CONTRACTOR TO FIELD VERIFY AND CONFIRM THE SPACE HAS MINIMUM OF 2220 CFM OF OUTSIDE AIR TO THE EXISTING UNITS SERVING OUR SPACE.
 3. CONTRACTOR TO FIELD VERIFY IF ALL THE EXISTING DIFFUSERS AND GRILLES HAVE VOLUME DAMPER. PROVIDE ONE IF THE EXISTING FOUND DAMAGED OR NOT FOUND.

- HVAC PLAN NOTES**
1. CONTRACTOR TO FIELD VERIFY AND CONFIRM THE EXACT LOCATION OF THE EXISTING AHU AND THE AHU SERVING OUR SPACE.
 2. ALL EXISTING DUCTWORK, DIFFUSERS AND DAMPERS TO REMAIN AND TO BE REUSED.
 3. CONTRACTOR TO FIELD VERIFY THE CONDITION OF THE EXISTING DAMPERS, DIFFUSERS AND PROVIDE WITH NEW ONE OF SAME TYPE IF DAMAGED.
 4. CONTRACTOR TO FIELD VERIFY IF ANY PART OF THE DUCTWORK INSULATION IS DAMAGED SHOULD BE REPLACED WITH SAME R VALUE COMPLYING THE LOCAL CODE.
 5. CONTRACTOR TO AIR BALANCE THE SYSTEM TO MAINTAIN POSITIVE PRESSURE.



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PROJECT

CHEEBURGER

REVISIONS DATES:

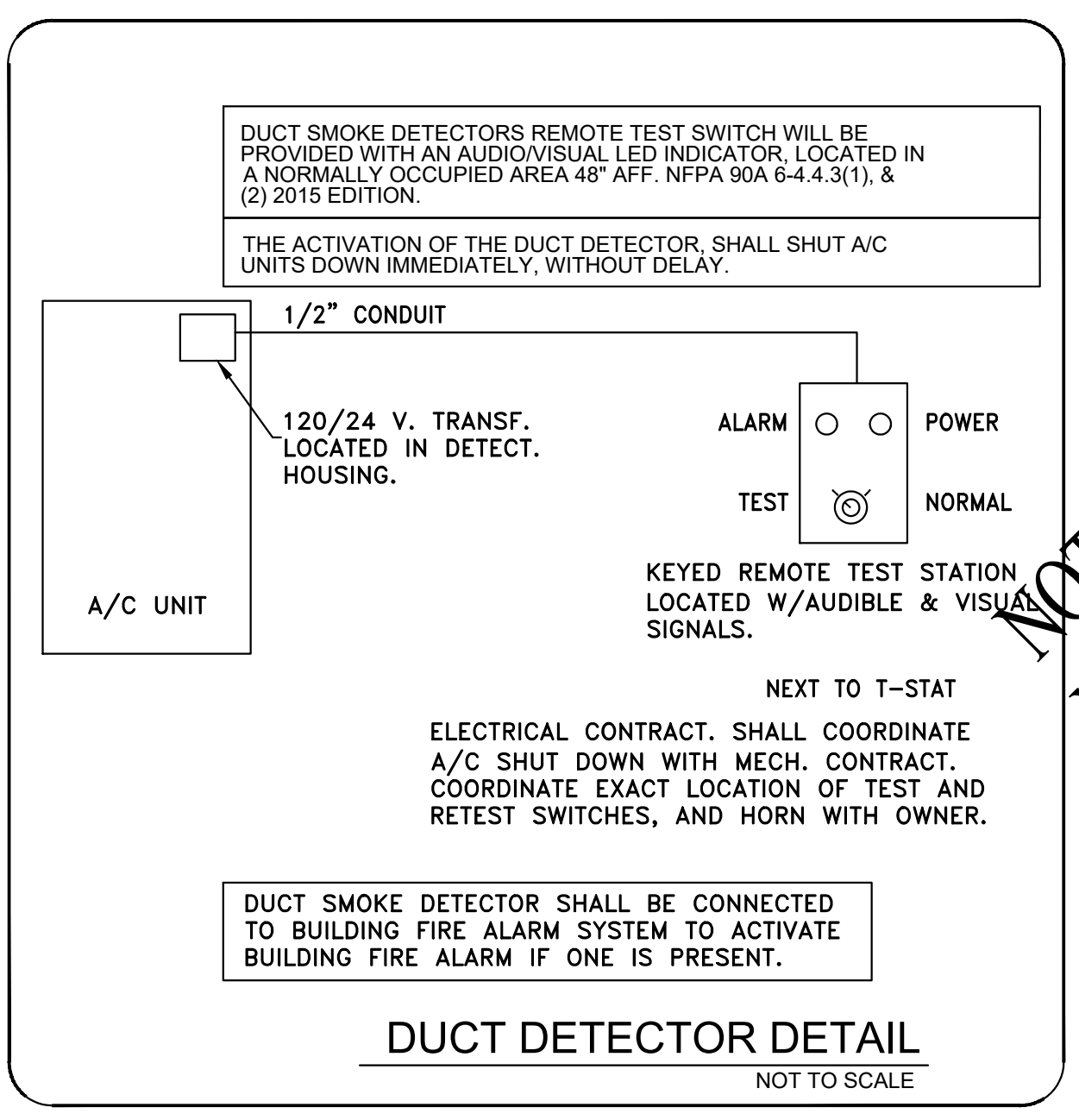
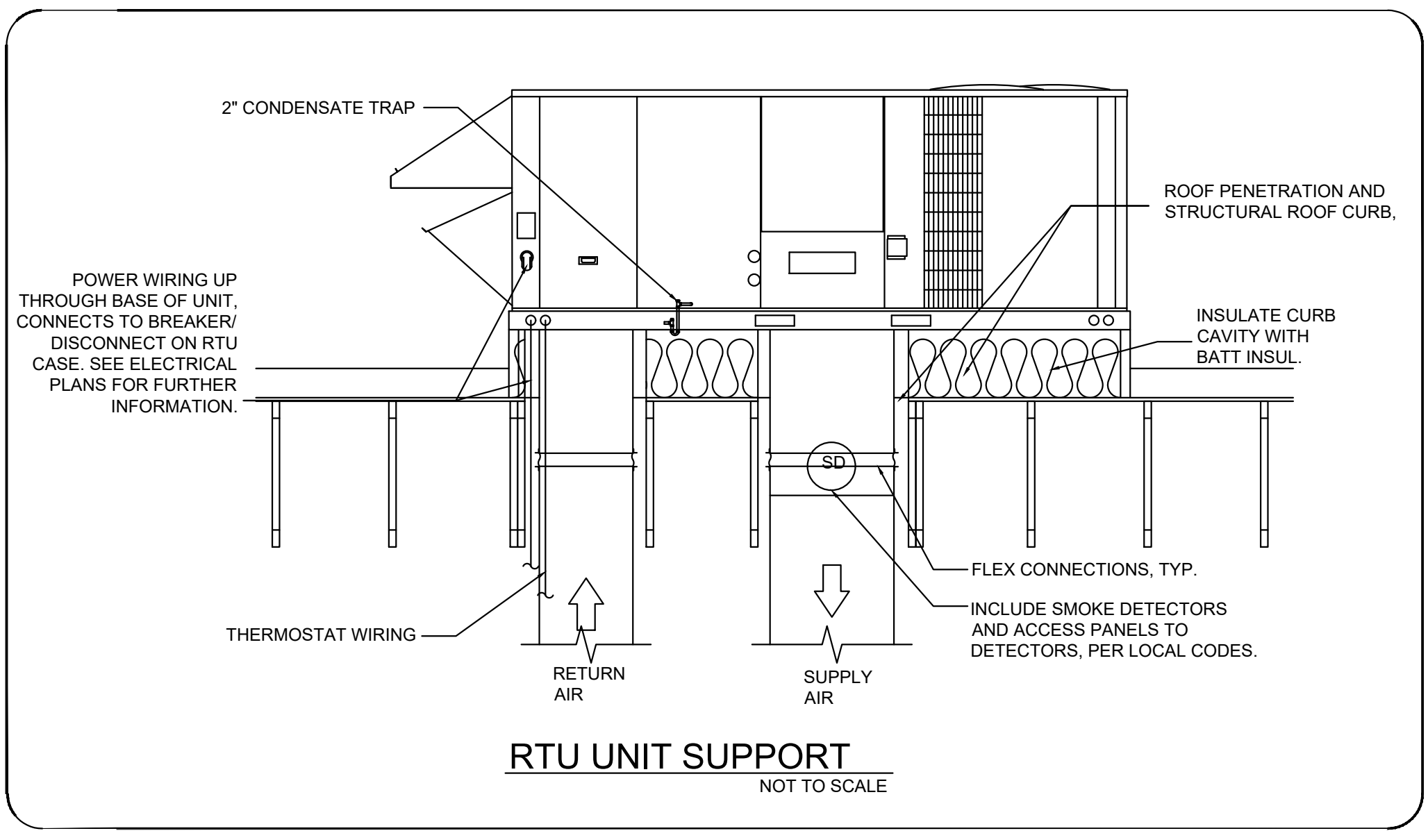
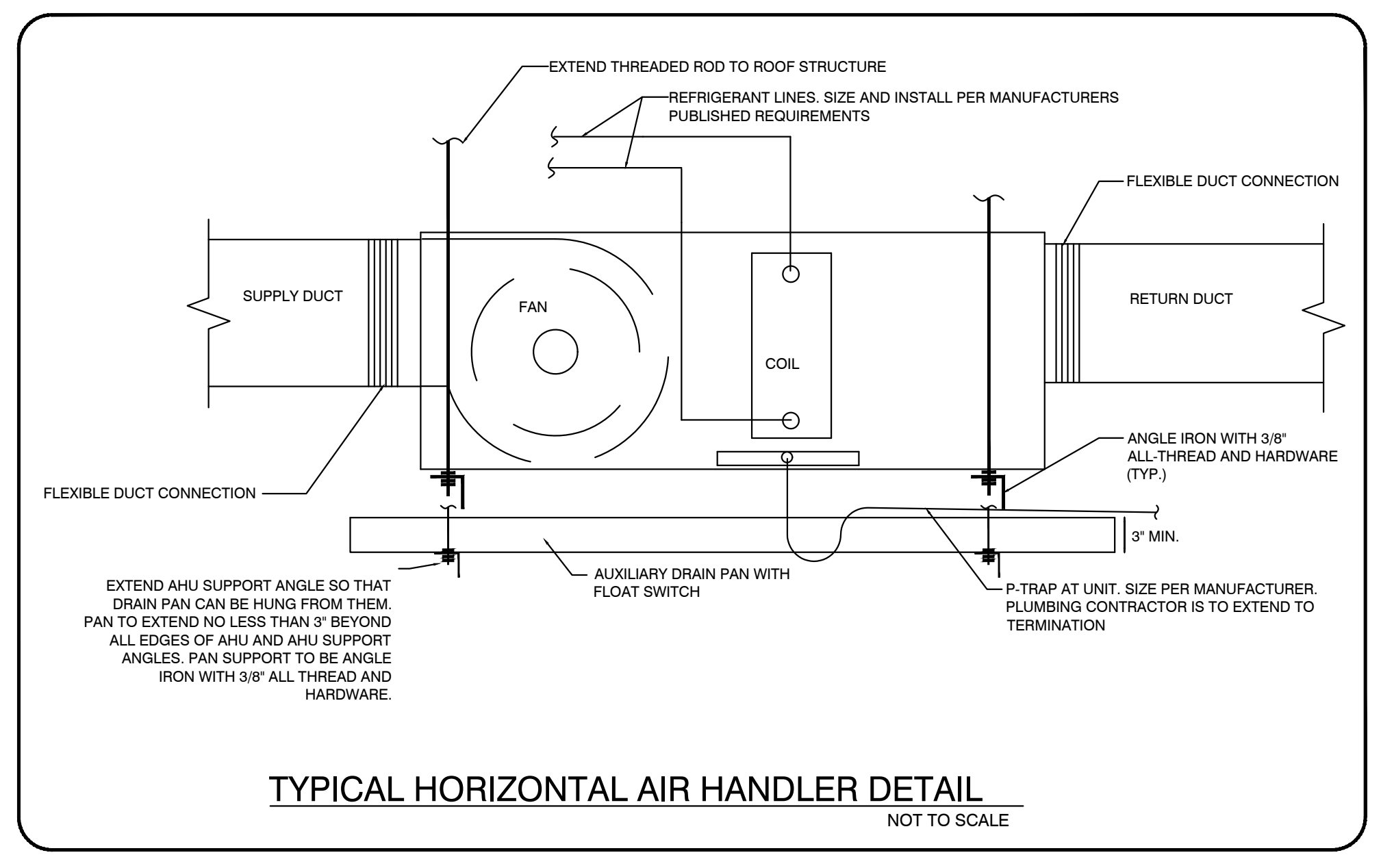
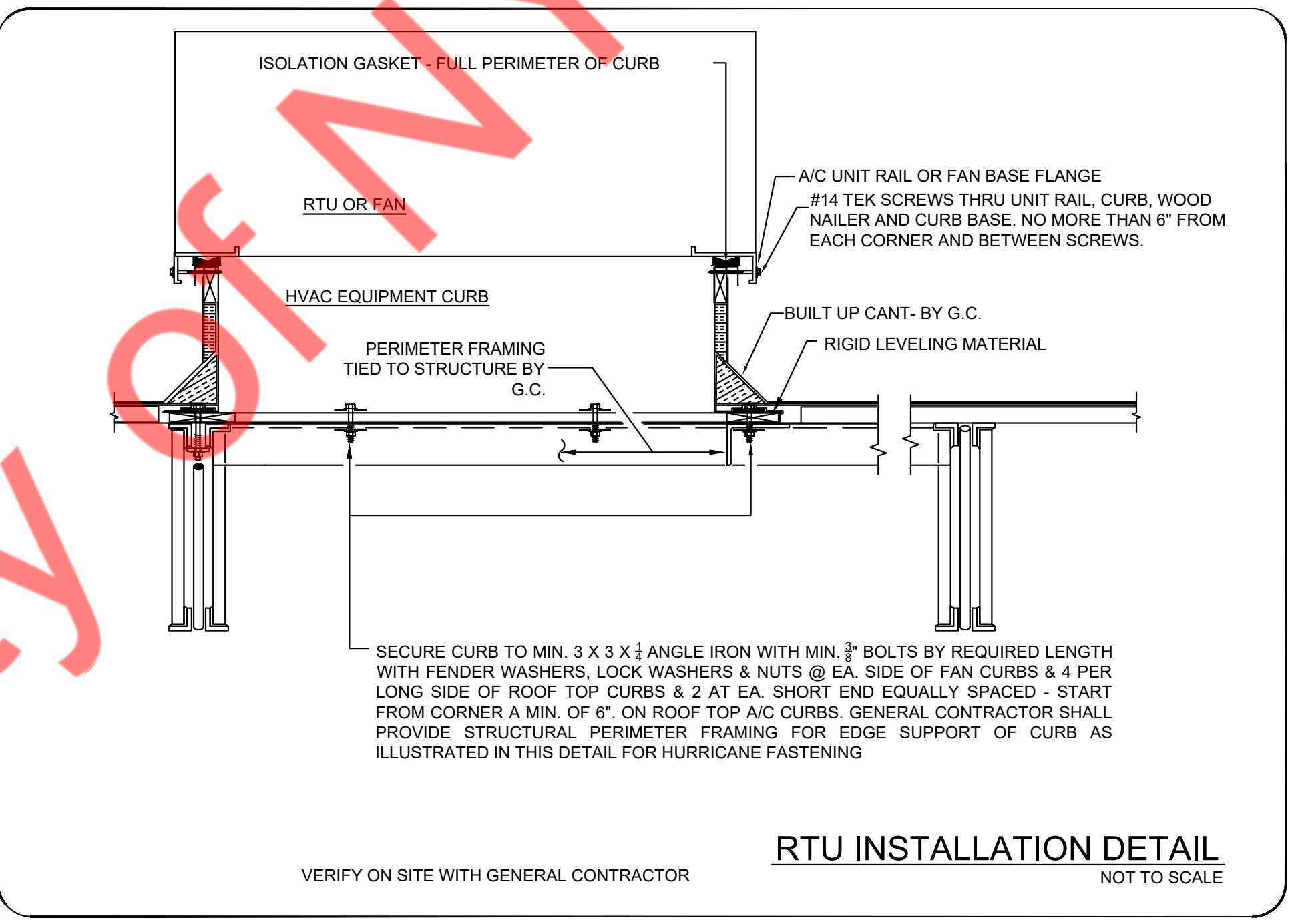
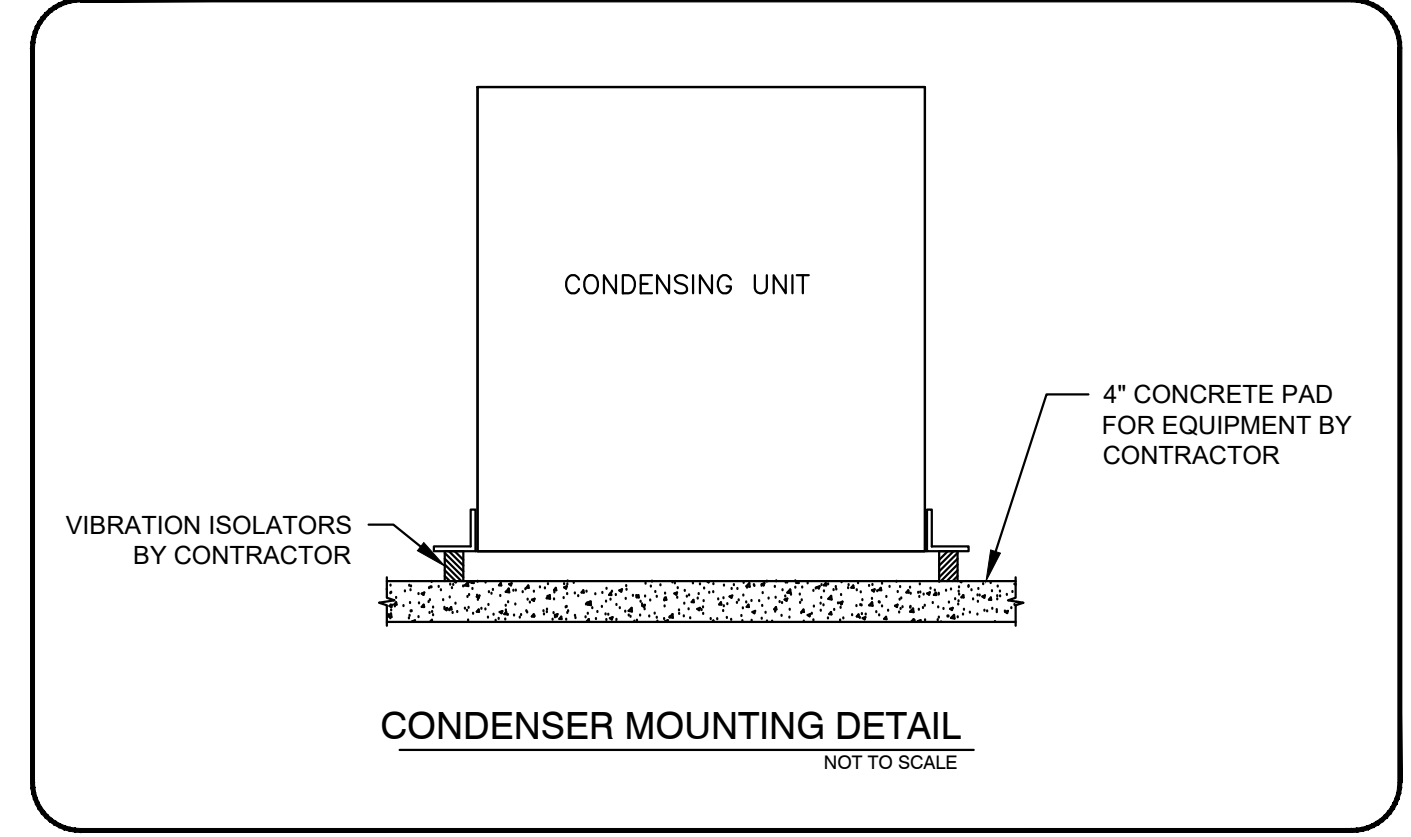
PROFESSIONAL SEAL

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ISSUE DATE: 06.06.23
PROJECT #: 282E.1268E
DRAWN BY: NYE
CHECKED BY: NYE

MECHANICAL DETAILS

M-3



SCOPE OF WORK

REUSE THE EXISTING ELECTRICAL METER. REUSE EXISTING 1200A, 120/208V, 3-PHASE, 4-WIRE MAIN ELECTRICAL PANEL "MDP". REUSE EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "A". REUSE EXISTING 225A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "B". REUSE EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "C". REUSE EXISTING 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "D". ALL THE LIGHTING SHALL BE EXISTING TO REMAIN ALONG WITH THE CONTROLS WHOSE OPERATING CONDITIONS TO BE VERIFIED IN FIELD BY THE ELECTRICAL CONTRACTOR. ALL NECESSARY WIRING AND NEW LIGHTING (IF ANY) FOR THE PROJECT SPACE INCLUDING WIRING FOR VENTILATION EQUIPMENT. COORDINATE WITH G.C. FOR LOW VOLTAGE WIRING.

ELECTRICAL PLAN NOTES

- ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET.
- CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT, NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK.
- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRIC CODE AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION FOR ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
- ALL ELECTRICAL NOT BEING REUSED MUST BE REMOVED IN ITS ENTIRETY.
- ALL CONDUIT IN OR UNDERGROUND OR IN CONCRETE MUST BE RIGID GALVANIZED STEEL.
- CIRCUIT BREAKERS AND PANELS TO BE BOLT ON TYPE.
- ALL EQUIPMENT SHALL BE APPROVED BY UL OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY.
- ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY NEC 250.146.
- SUBMIT SERVICE ENTRANCE EQUIPMENT FOR SEPARATE APPROVAL.
- ALL LOW VOLTAGE MUST BE IN CONDUIT TO ABOVE THE DROP CEILING. BRIDAL RINGS OR "J" HOOKS REQUIRED.
- SEPARATE PERMITS ARE REQUIRED FOR ALL LOW VOLTAGE SUCH AS TELEPHONE, DATA, THERMOSTAT, MUSIC, ALARMS ETC.
- SEPARATE PERMIT REQUIRED FOR SIGNAGE.
- PRIOR TO ANY CONSTRUCTION WORK BEGINNING AN ON-SITE MEETING WITH GENERAL CONTRACTORS IS REQUIRED.
- ELECTRICIAN MUST BE ON SITE FOR ALL INSPECTIONS.
- MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. ALL CONDUCTORS SHALL BE COPPER AND UNLESS OTHERWISE NOTED THIN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS. PLASTIC AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE N.E.C. OR LOCAL CODES.
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE THAT CERTIFICATE OF OCCUPANCY IS ISSUED. WARRANTY SHALL BE PROVIDED IN WRITING. PROVIDE COPY TO LL.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
- ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE CIRCUIT BREAKERS.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.
- MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF

- APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. NEMA, AND IEC.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRED CAULKING REQUIRED OF HIS WORK.
- ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH TYPE WRITTEN DIRECTORIES.
- ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 24" A.F.F. UNLESS NOTED OTHERWISE, AND VERTICALLY MOUNTED.
- ALL LIGHT SWITCHES TO BE AT 42" A.F.F.
- ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- BREAKER AND PANELS - ALL CURRENT CARRYING BUSSES SHALL BE COPPER. ALL GROUND BUS BARS SHALL BE COPPER. PANEL BOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC HOLES. ALL C.R. RATINGS SHALL BE AS INDICATED ON PANEL BOARD SCHEDULES.
- DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
- THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL CONFIRM WITH ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO A ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- VOLTAGE DROP FOR ALL BRANCH CONDUCTORS SHALL NOT EXCEED 3% WHERE VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL INCREASE SIZE OF CONDUCTORS.
- CONTRACTOR SHALL PROVIDE GF I TYPE BREAKER FOR ALL EXTERIOR 120V CIRCUITS OR GF I PROTECTION - FOR THE WHOLE CIRCUIT.
- GAS PIPING SHALL BE BONDED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE ENTRY WITH SERVICE PROVIDER PRIOR TO DETERMINING EXACT LOCATION OF THE METER BOX IN ORDER TO AVOID DISCREPANCIES BETWEEN DRAWINGS AND JOB CONDITIONS.
- ALL OUTDOOR EQUIPMENT SHALL BE WEATHERPROOF.
- CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL.
- OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRE CAULKING REQUIRED OF HIS WORK.
- ABSOLUTELY NO FLEXIBLE CONDUIT IS PERMITTED IN DEMISING WALLS. FLEXIBLE CONDUIT IS PERMITTED FOR SHORT FINAL CONNECTIONS ONLY (IF 5' OR LESS).
- EXPOSED CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES, PARALLEL OR IN RIGHT ANGLES TO THE BUILDING STRUCTURE. DO NOT LOOP EXCESS FLEXIBLE CONDUIT IN CEILING SPACE OR WALL CAVITY. NO CONDUIT TO BE SUPPORTED FROM THE ROOF DECK.
- CABLE TYPES AC AND NM CABLES ARE NOT ACCEPTABLE. TYPE MC CABLE, ELECTRIC METALLIC TUBING (EMT) AND RIGID GALVANIZED CONDUIT ARE PERMITTED.
- ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN COMPLIANCE WITH NEC AND UL REQUIREMENTS.
- ALL PANELS TO BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS.
- 7-DAY 24-HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES AND STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN LIT DURING ALL MALL BUSINESS HOURS.
- TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRIC SERVICE. ANY/ALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL AND WILL BE COMPLETED BY TENANT/TENANT'S GC AT TENANT'S SOLE EXPENSE.
- ALL ELECTRICAL PANELS TO BE MOUNTED ON PLYWOOD BACKER BOARD.
- PANEL PHASE LOADS TO BE BALANCED WITHIN 10%.
- ELECTRICAL PANELS MAY NOT BE RECESSED IN DEMISING PARTITIONS. SURFACE MOUNT OR PULL FUR OUT WALL TO ACHIEVE FLUSH FINAL APPEARANCE.
- COORDINATE ALL CONCRETE TRENCHING/CORING TO ENSURE THAT ANY UNDERSLAB UTILITIES, ETC. ARE NOT DAMAGED DURING FLOOR CUT. ANY DAMAGE TO BE REPAIRED AT TENANT'S EXPENSE. PRIOR APPROVAL AND COORDINATION WITH PROPERTY MANAGEMENT IS REQUIRED FOR ALL CONCRETE CUTTING.
- CONFIRM ELECTRICAL METER REQUIREMENTS WITH MALL OPERATIONS.

GENERAL LIGHTING NOTES

- UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE.
- ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.

ELECTRICAL LEGEND

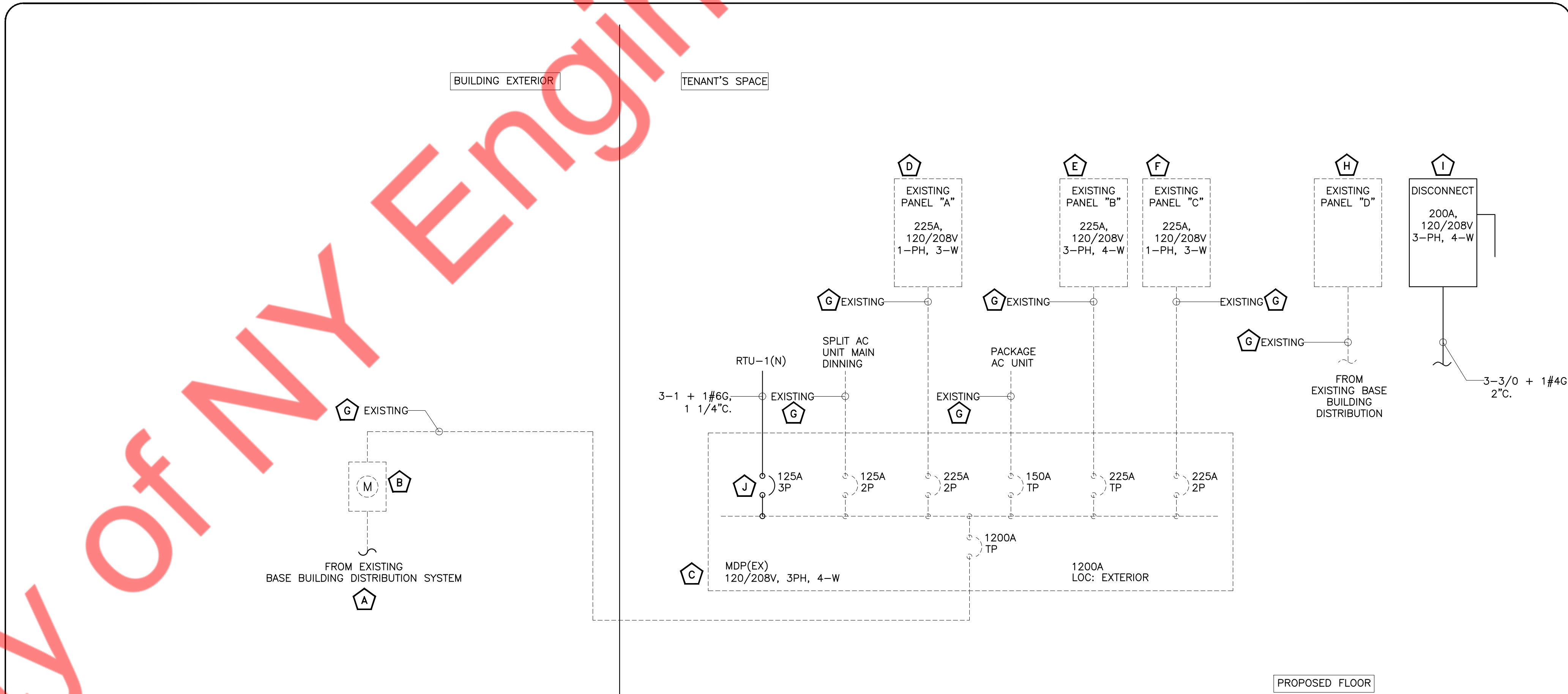
SYMBOL	DESCRIPTION
[Symbol]	EXHAUST FAN
[Symbol]	COMBINATION EXHAUST FAN/LIGHT (REFER TO MECHANICAL PLANS)
[Symbol]	JUNCTION BOX
[Symbol]	BATTERY BACK UP EXT LIGHT
[Symbol]	BATTERY BACK UP EMERGENCY LIGHT
[Symbol]	WALL SWITCH (SINGLE, DOUBLE,)
[Symbol]	WALL SWITCH (3 WAY, 4 WAY)
[Symbol]	WALL SWITCH (TIMER)
[Symbol]	OCCUPANCY SENSOR WALL SWITCH
[Symbol]	SINGLE RECEPTACLE
[Symbol]	DUPLEX RECEPTACLE
[Symbol]	DUPLEX RECEPTACLE, 48" TO AFF AT KITCHEN, BATHS AND TOPS
[Symbol]	HALF SWITCHED DUPLEX RECEPTACLE
[Symbol]	230 VOLT RECEPTACLE
[Symbol]	QUADRUPLUX RECEPTACLE
[Symbol]	FLOOR MOUNTED, FLUSH DUPLEX RECEPTACLE
[Symbol]	FLOOR MOUNTED, FLUSH QUAD. RECEPTACLE
[Symbol]	FLOOR MOUNTED, FLUSH 230 VOLT RECEPTACLE
[Symbol]	CEILING MOUNTED DUPLEX RECEPTACLE
[Symbol]	ELECTRICAL PANEL
[Symbol]	DISCONNECT SWITCH
[Symbol]	USB CHARGER RECEPTACLE
[Symbol]	TELEVISION OUTLET
[Symbol]	TELEPHONE OUTLET
[Symbol]	TELEPHONE/DATA OUTLET
[Symbol]	DATA OUTLET
[Symbol]	FLOOR MTD. FLUSH TELEPHONE/DATA OUTLET
[Symbol]	QUAD. DATA OUTLET RJ45

ABBREVIATIONS:
 ABOVE FINISH FLOOR= A.F.F.
 BELOW COUNTER= BC
 COUNTER TOP LEVEL= C
 PUSH BUTTON= PB
 UNDER CABINET= UC
 GROUND FAULT INTERRUPTER= GFCI
 VERIFY PRIOR TO INSTALL= V-I
 WEATHER PROOF= WP
 ELECTRICAL CONTRACTOR=E.C.
 EXHAUST FAN= EF
 WATER HEATER= WH
 RECIRCULATION PUMP= RCP
 AIR HANDLING UNIT= AHU
 AUTHORITY HAVING JURISDICTION= A.H.J. AIR COOLED CONDENSING UNIT= ACCU

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	NO. OF LAMPS	LAMP WATTAGE	MOUNTING
(E)	EXISTING LIGHTING FIXTURE TO REMAIN							

LIGHT FIXTURE SCHEDULE NOTES:
 REFER TO SHEET A-2 - REFLECTED CEILING PLAN IN ARCHITECTURAL DRAWINGS FOR MORE INFORMATION ON COLORS AND TRIMS REQUIRED.
 (*) EXISTING FIXTURES ARE ACCEPTABLE, IF THEY NEED TO BE REPLACED, REPLACE W/ EXACT MATCH OR MATCH SCHEDULE.
 SUBSTITUTIONS TO THE ABOVE FIXTURE SCHEDULE MUST BE SUBMITTED 14 DAYS PRIOR TO BID & REVIEWED BY THE ARCHITECT, ENGINEER & OWNER. SUBSTITUTIONS WILL NOT BE REVIEWED AFTER THIS TIME. SUBMITTAL PACKAGES MUST INCLUDE COLOR, CUT SHEETS, ALL PHOTO METRICS & FIXTURE SAMPLES FOR ALL DECORATIVE FIXTURES, LANDSCAPE FIXTURES & OUTDOOR FIXTURES. WITHOUT THIS INFORMATION NO REVIEW WILL BE PROVIDED.



ELECTRICAL RISER KEYED NOTES:

- EXISTING ELECTRICAL SERVICE OF 1200A, 120/208V, 3-PHASE, 4-WIRE FOR THE PROJECT SPACE TO REMAIN. E.C. SHALL COORDINATE WITH BASE BUILDING/LANDLORD/OWNER FOR EXACT POWER DISTRIBUTION PRIOR TO COMMENCING ANY WORK. E.C. SHALL INFORM ENGINEER ON RECORD FOR ANY DISCREPANCIES. BASE BID ACCORDINGLY.
- EXISTING 1200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL METER TO REMAIN. E.C. SHALL COORDINATE WITH BASE BUILDING/LANDLORD/OWNER FOR EXACT LOCATION. E.C. TO VERIFY OPERABLE CONDITION OF EXISTING ELECTRICAL METER IN FIELD AND PROVIDE NEW IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING 1200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL MAIN MCB PANEL "MDP" TO REMAIN (NAME TO BE CONFIRMED ON FIELD). E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "A" TO REMAIN. E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING 225A(M.L.O.), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "B" TO REMAIN (NAME TO BE CONFIRMED ON FIELD). E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "C" TO REMAIN (NAME TO BE CONFIRMED ON FIELD). E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING FEEDERS SHALL REMAIN. E.C. TO VERIFY OPERABLE CONDITION OF FEEDERS IN FIELD AND PROVIDE NEW IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- EXISTING 120/208V, 1-PHASE, 3-WIRE OUTDOOR ELECTRICAL PANEL "D" TO REMAIN (NAME TO BE CONFIRMED ON FIELD). E.C. SHALL TRACE THE EXACT POWER DISTRIBUTION IN FIELD. ALSO E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- NEW 200A, 120/208V, 3-PHASE, 4-WIRE DISCONNECT SWITCH FOR NEW RTU-1(N). E.C. COORDINATE WITH ARCHITECT/OWNER/MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POWER REQUIREMENT BEFORE COMMENCING ANY WORK. BASE BID ACCORDINGLY.
- E.C. SHALL REPLACE THE EXISTING (1) 70A/2P BREAKER WITH (1) 125A/3P BREAKER FOR THE NEW RTU UNIT RTU-1(N) IN THE EXISTING "MDP" PANEL ALONG WITH THE NEW FEEDER AS MENTIONED IN THE RISER DIAGRAM. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR THE EXACT POWER REQUIREMENTS BEFORE COMMENCING ANY WORK. MAKE SURE THAT THE NEWLY ADDED BREAKER SHALL BE COMPATIBLE WITH THE EXISTING "MDP" PANEL BEFORE COMMENCING ANY WORK. BASE BID ACCORDINGLY.

ELECTRICAL RISER SYMBOLS

[Symbol]	NEW
[Symbol]	EXISTING ITEM/FEEDER TO REMAIN
[Symbol]	EXISTING ITEM/FEEDER TO BE DISCONNECTED & REMOVED

FEEDER SIZE SCHEDULE:-

AMPS	FEEDER SIZE
1200A	THREE SETS OF (4-600KCM, 1#3/0G, 4" C.)
225A	4-4/0, 1#6G, 2" C.
150A	3-1/0, 1#6G, 1 1/4" C.
125A(2P)	2-1, 1#6G, 1 1/4" C.
125A(3P)	3-1, 1#6G, 1 1/4" C.

E.C. TO VERIFY THE RATING, SIZE AND OPERABLE CONDITION OF EXISTING ELECTRICAL FEEDER/CONNECTION IN FIELD. INFORM ENGINEER FOR ANY DISCREPANCY FOUND BEFORE COMMENCING ANY WORK.

ELECTRICAL GENERAL NOTE:

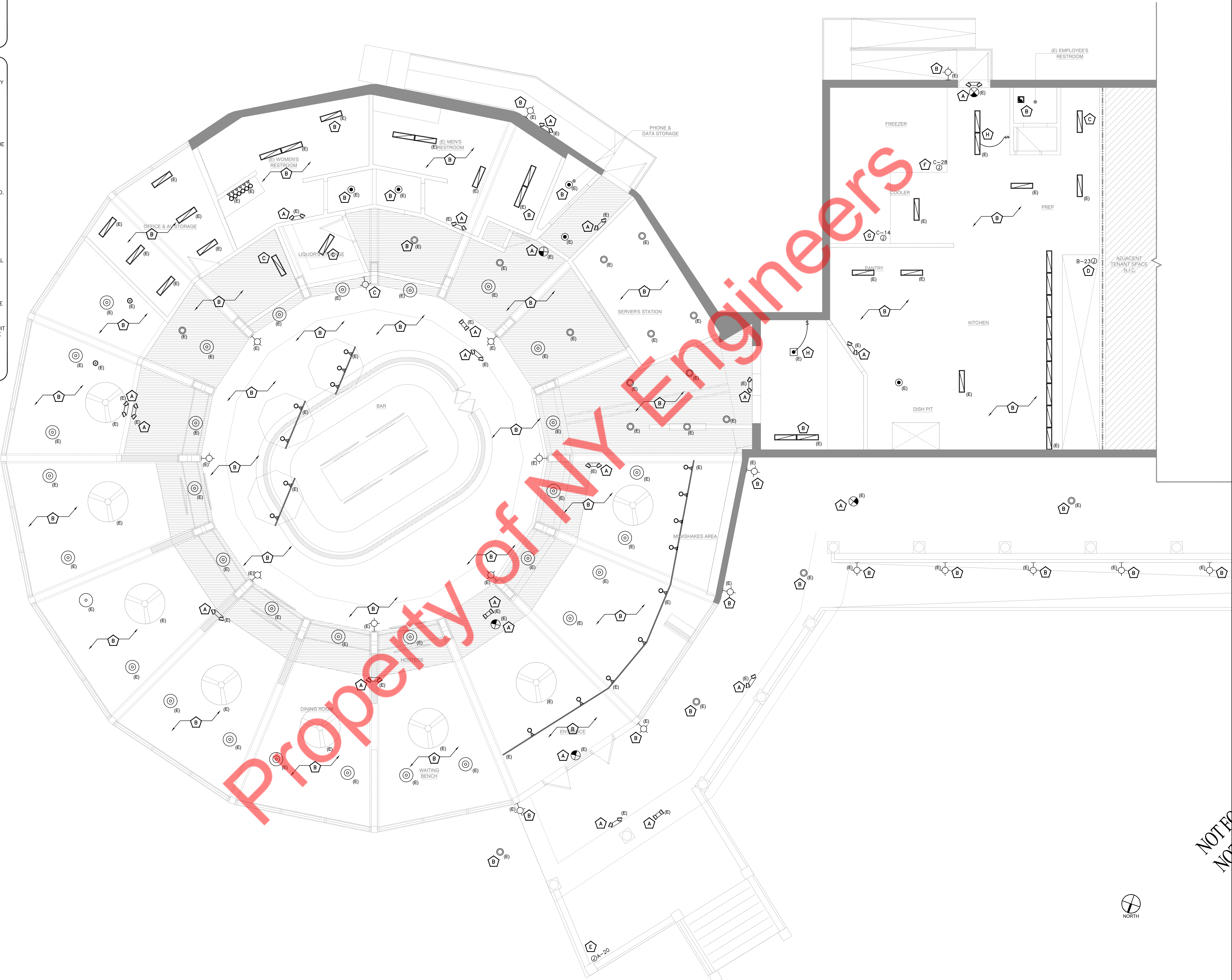
- RISER DIAGRAM SHOWN IS FOR REFERENCE PURPOSE ONLY. E.C. SHALL VERIFY EXACT POWER DISTRIBUTION IN FIELD AND INFORM ENGINEER ON RECORD FOR ANY DISCREPANCY.
- E.C. SHALL VERIFY INCOMING SERVICE AMPERAGE, WIRE SIZING AND DISTRIBUTION IN FIELD. COORDINATE WITH OWNER/ARCHITECT.
- ELECTRICAL CONTRACTOR TO COORDINATE FAULT CURRENT (ISC) RATING WITH UTILITY COMPANY AND AHJ PRIOR TO COMMENCING ANY WORK.
- E.C. TO VERIFY OPERABLE CONDITIONS OF EXISTING DEVICES IN FIELD. REPLACE/RECTIFY IF FOUND INOPERABLE. BASE BID ACCORDINGLY.

ELECTRICAL LIGHTING LIGHTING NOTES:

1. ALL THE LIGHTING FOR THE TENANT SPACE SHALL REMAIN AS IT IS ALONG WITH THE LIGHTING CONTROLS AS SHOWN IN THE DRAWINGS. ELECTRICAL CONTRACTOR SHALL VERIFY ALL THE LIGHTING CONTROLS ARE IN COMPLIANCE WITH THE IECC-2018.
2. ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.
3. E.C. TO PROVIDE MANUAL OVERRIDE SWITCH AS PER IECC 2018. E.C. TO COORDINATE THE LOCATION WITH ARCHITECT/OWNER.

ELECTRICAL LIGHTING PLAN KEYED NOTES:

- A** EXISTING EMERGENCY AND EXIT LIGHT FIXTURES DENOTED BY (E) SHALL REMAIN AND SHALL BE CIRCUITED TO THE RESPECTIVE EXISTING ELECTRICAL PANEL. E.C. TO COORDINATE WITH OWNER/ARCHITECT. E.C. TO VERIFY THE OPERABLE CONDITION IN FIELD AND REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- B** EXISTING LIGHT FIXTURE IN THIS AREA DENOTED BY (E) SHALL REMAIN CONNECTED TO THE RESPECTED EXISTING ELECTRICAL PANEL ALONG WITH THEIR CONTROLS. E.C. TO COORDINATE WITH OWNER/ARCHITECT. E.C. SHALL VERIFY THE OPERABLE CONDITION OF THE EXISTING ELECTRICAL CIRCUIT AND CONTROLS. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- C** CONNECT NEW LIGHTING FIXTURE TO EXISTING LIGHTING CIRCUIT IN SAME AREA VIA EXISTING LIGHTING CONTROLS. E.C. TO VERIFY THE OPERABLE CONDITION OF EXISTING ELECTRICAL CIRCUIT & EXISTING LIGHTING CONTROL IN FIELD. E.C. TO ENSURE THAT EXISTING LIGHTING CONTROL IS COMPLYING WITH 2020 FLORIDA BUILDING CODES (IECC-2018) REQUIREMENTS. UPDATE/PROVIDE NEW CONTROLS AS REQUIRED. BASE BID ACCORDINGLY.
- D** EXISTING KITCHEN HOOD LIGHTING ALONG WITH ITS CIRCUIT AND CONTROL TO REMAIN. E.C. SHALL VERIFY OPERABLE CONDITION OF THE CIRCUIT IN THE FIELD. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- E** PROVIDE DISCONNECT SWITCH, TIMER AND OTHER ELECTRICAL CONNECTIONS FOR EXTERIOR SIGN. E.C. SHALL COORDINATE EXACT POWER REQUIREMENT, LOCATION AND MOUNTING DETAILS WITH OWNER/LANDLORD & SIGN VENDOR.
- F** EXISTING WALK-IN FREEZER LIGHTING ALONG WITH ITS CIRCUIT AND CONTROL SHALL REMAIN. E.C. SHALL VERIFY OPERABLE CONDITION OF THE CIRCUIT AND CONTROL IN THE FIELD. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- G** EXISTING WALK-IN COOLER LIGHTING ALONG WITH ITS CIRCUIT AND CONTROL SHALL REMAIN. E.C. SHALL VERIFY OPERABLE CONDITION OF THE CIRCUIT AND CONTROL IN THE FIELD. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- H** LIGHTING CONTROL IN THE ROOM SHALL NOT BE WITH AUTOMATIC MEANS AS PER NEC 110.26(D). BASE BID ACCORDINGLY.



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ELECTRICAL LIGHTING PLAN

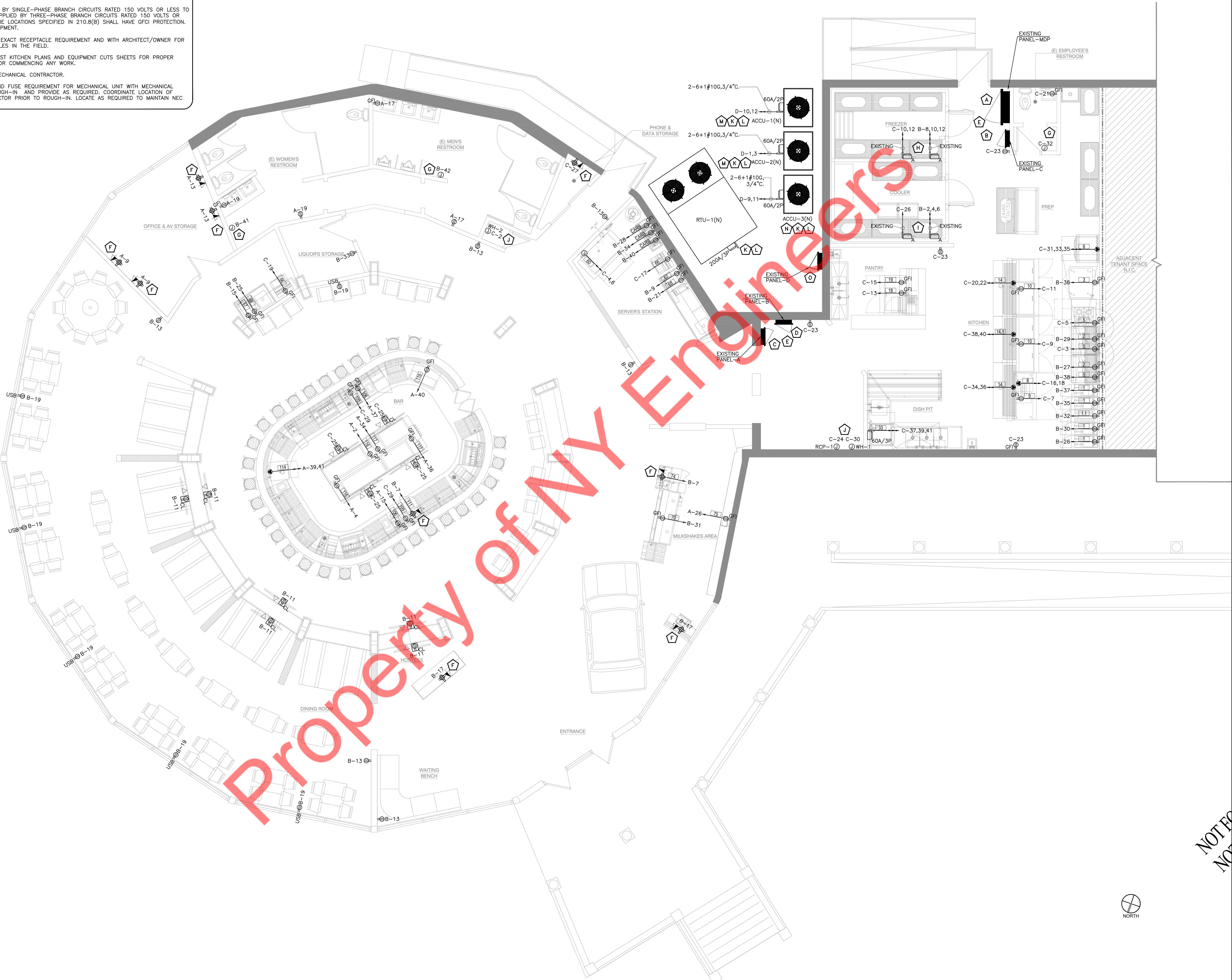
E-2

POWER PLAN-FLOOR GENERAL NOTES:

- E.C. TO PROVIDE DEDICATED ISOLATED GROUNDED(DIG) OUTLETS TO POS EQUIPMENT.
- ALL LOW VOLTAGE WIRING TO BE IN CONDUIT U.N.O BY AHJ.
- 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. PROVIDE GFCI RATED BREAKER AT PANEL FOR KITCHEN EQUIPMENT.
- E.C. SHALL COORDINATE WITH THE EQUIPMENT VENDOR FOR EXACT RECEPTACLE REQUIREMENT AND WITH ARCHITECT/OWNER FOR EXACT LOCATION AND MOUNTING HEIGHT OF THE RECEPTACLES IN THE FIELD.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE LATEST KITCHEN PLANS AND EQUIPMENT CUTS SHEETS FOR PROPER EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS PRIOR COMMENCING ANY WORK.
- COORDINATE EXACT LOCATION OF HVAC EQUIPMENTS WITH MECHANICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. COORDINATE LOCATION OF DISCONNECT WITH MANUFACTURER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES

POWER PLAN-FLOOR KEYED NOTES:

- A** EXISTING 1200A, 120/208V, 3-PHASE, 4-WIRE MAIN ELECTRICAL MCB PANEL "MDP" TO REMAIN. E.C. TO FIELD VERIFY EXACT RATING & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- B** EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "C" TO REMAIN. E.C. TO FIELD VERIFY EXACT RATING & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- C** EXISTING 225A(M.L.O.), 120/208V, 1-PHASE, 3-WIRE ELECTRICAL PANEL "A" TO REMAIN. E.C. TO FIELD VERIFY EXACT RATING & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- D** EXISTING 225A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "B" TO REMAIN. E.C. TO FIELD VERIFY EXACT RATING & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- E** ELECTRICAL CONTRACTOR SHALL VERIFY THE INSTALLATION OF ELECTRICAL PANELS IN COMPLIANCE WITH N.E.C. ARTICLE 110.26(A) AND (B). E.C. SHALL FIELD VERIFY THAT THE PANELS ARE UNRESTRICTED AND THE AREA WHERE THE PANELS ARE PLACED SHALL NOT BE USED AS A STORAGE SPACE.
- F** ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER/LOW VOLTAGE VENDOR FOR EXACT LOCATION AND POWER REQUIREMENTS AND MAKE PROVISIONS ACCORDINGLY. BASE BID ACCORDINGLY.
- G** JUNCTION BOX FOR THE RESTROOM HAND DRYER. E.C. SHALL COORDINATE WITH OWNER/ARCHITECT FOR THE EXACT LOCATION & MOUNTING HEIGHT AND WITH MANUFACTURER FOR THE EXACT POWER REQUIREMENTS PRIOR TO BID. BASE BID ACCORDINGLY.
- H** EXISTING ELECTRICAL FIXTURES AND CONNECTIONS OF WALK IN FREEZER UNIT SHALL REMAIN AND SHALL BE CIRCUITED TO THE EXISTING PANEL. E.C. SHALL VERIFY THE OPERABLE CONDITION OF THE EXISTING BRANCH CIRCUIT, BREAKER AND ELECTRICAL FIXTURES IN THE FIELD. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- I** EXISTING ELECTRICAL FIXTURES AND CONNECTIONS OF WALK IN COOLER UNIT SHALL REMAIN AND SHALL BE CIRCUITED TO THE EXISTING PANEL. E.C. SHALL VERIFY THE OPERABLE CONDITION OF THE EXISTING BRANCH CIRCUIT, BREAKER AND ELECTRICAL FIXTURES IN THE FIELD. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY.
- J** ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE WH-1 & WH-2 WATER HEATER'S MANUFACTURER FOR THE EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- K** ELECTRICAL CONTRACTOR SHALL COORDINATE FOR EXACT LOCATION OF MECHANICAL EQUIPMENTS WITH MECHANICAL DRAWINGS.
- L** ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
- M** INDOOR UNIT FOR ACCU-1(N) & ACCU-2(N) UNIT SHALL FEED FORM THE ELECTRICAL PANEL "MDP". E.C. TO COORDINATE WITH OWNER/MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POWER REQUIREMENT.
- N** INDOOR UNIT FOR ACCU-3(N) UNIT SHALL FEED FORM THE ELECTRICAL PANEL "MDP" VIA NEW BREAKER 60/2P THROUGH NEW FEEDER (2-6+1#10G,3/4"). E.C. HAS TO CHECK THE SPACES AVAILABLE FROM THE EXISTING PANEL "MDP". E.C. SHALL VERIFY EXACT LOCATION AND POWER REQUIREMENT IN FIELD AND INFORM ENGINEER ON RECORD FOR ANY DISCREPANCY BEFORE COMMENCING ANY WORK. BASE BID ACCORDINGLY.
- O** EXISTING 120/208V, 1-PHASE, 3-WIRE OUTDOOR ELECTRICAL PANEL "D" TO REMAIN (NAME TO BE CONFIRMED ON FIELD). E.C. TO FIELD VERIFY EXACT SIZE, LOCATION & OPERABLE CONDITION OF THE PANEL. REPLACE IF FOUND INOPERABLE. BASE BID ACCORDINGLY. ALSO MAKE SURE THAT THE PANEL HAS RESPECTIVE NEMA ENCLOSURE.



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ELECTRICAL POWER PLAN

E-3

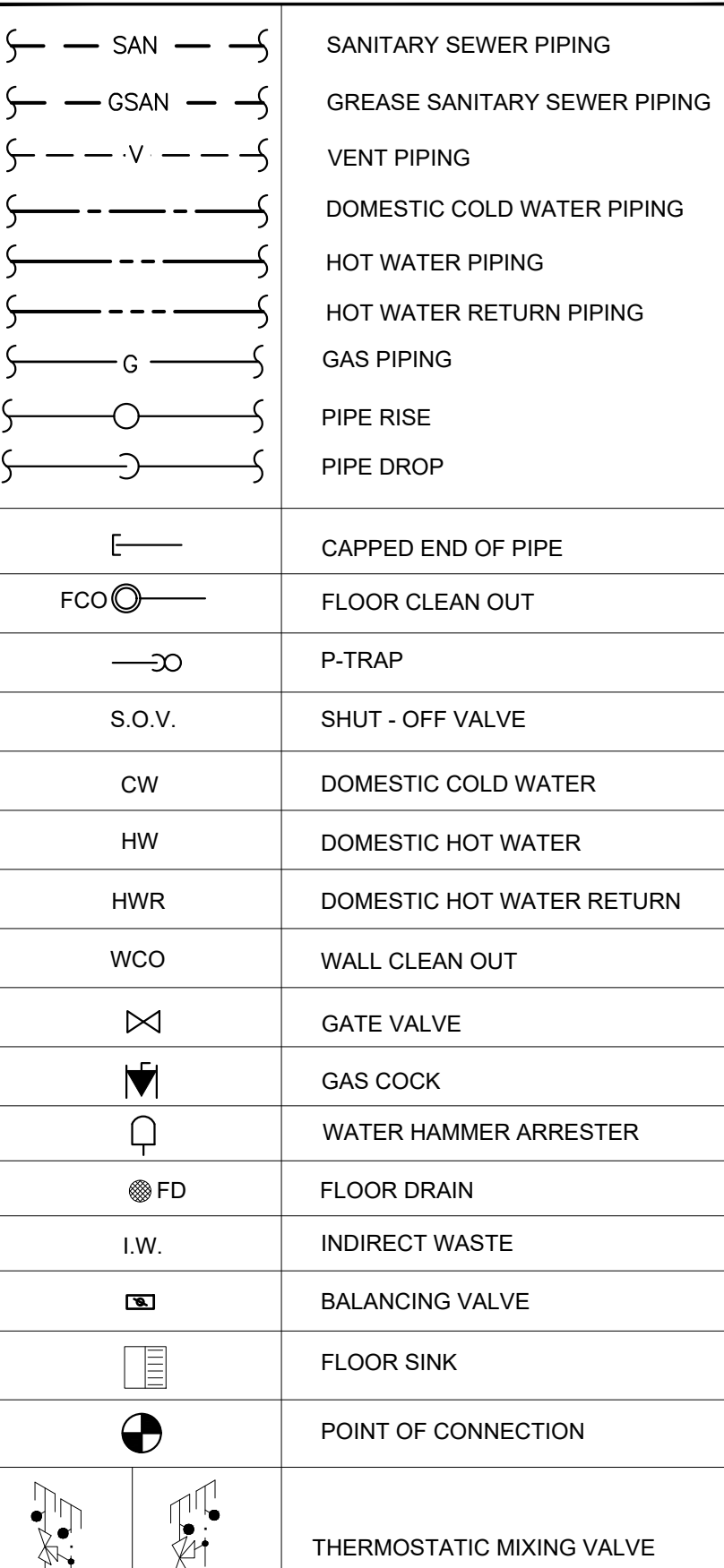
SCOPE OF WORK

PROVIDE ALL PLUMBING FOR NEW RESTAURANT & BAR WITHIN AN EXISTING BUILDING SHELL, INCLUDING ALL WATER, GAS, GREASE & SANITARY LINES AND CONNECT TO EXISTING UTILITIES. REUSE THE EXISTING UNDERGROUND EXTERIOR GREASE INTERCEPTOR. PROVIDE ONE NEW GAS INSTANTANEOUS WATER HEATER & ONE NEW GAS TANK TYPE WATER HEATER.

PLUMBING NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT NOTIFY ARCHITECT ENGINEER BEFORE BIDDING, ORDERING OR PRECEDING WITH WORK.
3. ALL EQUIPMENT WHICH IS TO REMAIN MUST BE REFURBISHED TO A LIKE NEW CONDITION.
4. PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
5. ALL MATERIALS SHALL BE NEW.
6. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
7. REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
8. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS. PLUMBING CONTRACTOR TO OBTAIN PERMITS AND APPROVED SUBMITS FROM THE BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
9. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
10. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
11. VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES.
12. EXPOSED WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER. WATER PIPING IN WALLS AND UNDERGROUND MAY BE "PEX" TYPE PIPING THAT MEETS ANSIS/ASTM STANDARD 61.
13. SOIL, WASTE, VENT AND RAINWATER PIPING SHALL BE PVC BUT MAY NOT RUN THRU RATED ASSEMBLIES OR IN FLENUMS.
14. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS. COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
15. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE GROUP AS PER CODE AND WITH GOOD ENGINEERING PRACTICE.
16. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS; EXCEPT AT WATER HEATER AS PER CODE.
17. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD.
18. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE. SMOKE AND WATER RESISTANT PENETRATIONS SHALL BE PROVIDED BETWEEN PIPE AND WALL. FIRE RATED PENETRATIONS TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS AS PART OF THE PLUMBER'S WORK.
19. PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM THE DATE OF CERTIFICATION. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE WITHIN 72 HOURS OF NOTIFICATION AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED. PROVIDE COPY TO LL.
20. STUDDOR MINIMAXI AIR ADMITTANCE VALVES MAY NOT BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF.
21. PROVIDE CHROME PLATED COMBINATION COVER PLATE AND CLEAN OUT PLUG OR ACCESS PANEL FOR ALL CLEANOUTS.
22. NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR FLENUMS.
23. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
24. WATER PIPING INSULATION SHALL BE 1" THICK ARMAFLEX INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR ALL HOT WATER PIPING. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
25. CONDENSATE DRAIN LINES TO BE RUN UNDER SLAB IN PVC SCH 40 PIPE AND STUBBED OUT OF WALL TO UNIT. THE IN OF AC TO BE BY OTHER TRADES WITH 1/2" THICK ARMAFLEX INSULATION MAY BE USED IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. SEE PLUMBING DRAWINGS FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40 FOR SIZE AND LOCATION OF PIPING. PVC WILL BE MIN. SCHEDULE 40.
26. PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.
27. NO JOINTS UNDERGROUND FOR COPPER.
28. PLUMBING FIXTURES SHALL COMPLY WITH 2020 FLORIDA BUILDING CODE, PLUMBING, 7TH EDITION.
29. WATER HAMMER ARRESTORS AS PER 2020 FLORIDA BUILDING CODE, PLUMBING, 7TH EDITION.
30. PLUMBING CONTRACTOR SHALL REVIEW ALL BID DOCUMENTATION.
31. PLUMBING CONTRACTOR SHALL REVIEW WALL FINISHES @ LOCATION REQUIRING BARRIER-FREE COMPLIANCE (EXAMPLE: CENTER LINE TO TOILET).
32. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL.
33. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER. PROVIDE A COPY TO LL.

PLUMBING LEGEND



FOOD SERVICE EQUIPMENT CONTRACTOR

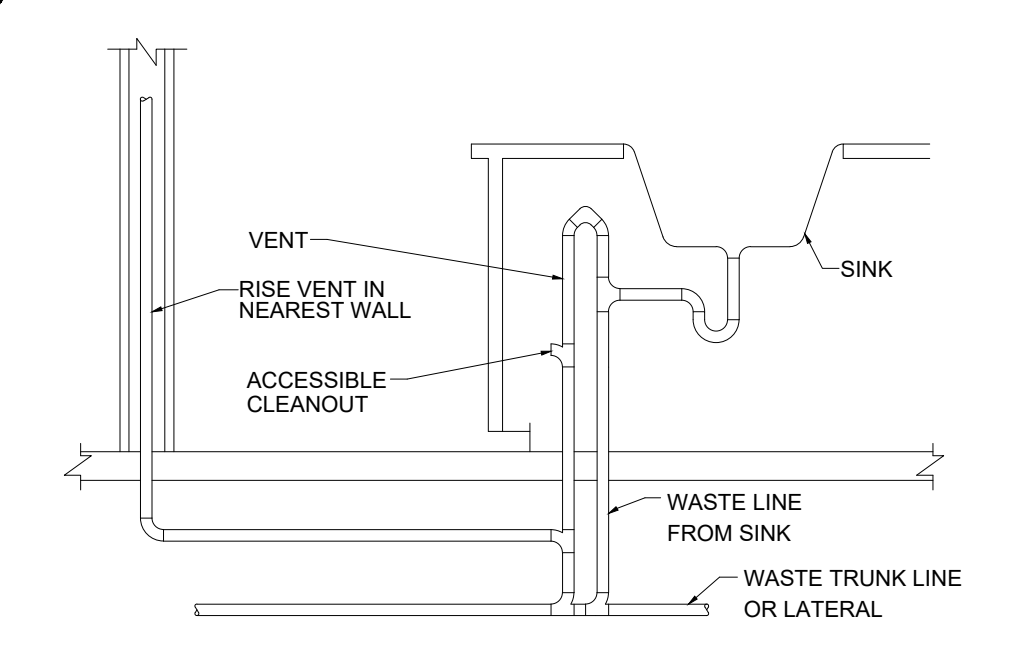
FOOD SERVICE EQUIPMENT CONTRACTORS SHALL FURNISH ALL FAUCETS & DRAINS WITH TAILPIECES FOR ALL FOOD SERVICE EQUIPMENT.

PLUMBING CONTRACTOR

PLUMBING CONTRACTOR SHALL FURNISH ALL VALVES, TRAPS, STOPS, GREASE TRAPS, SHUT-OFFS, PIPING OR OTHER MATERIALS REQUIRED FOR ROUGH-IN AND FINAL CONNECTION TO FOOD SERVICE EQUIPMENT. THIS CONTRACTOR TO MAKE ALL FINAL CONNECTIONS TO EQUIPMENT & INSTALL ALL INDIRECT WASTE FROM EQUIPMENT TO FUNNEL DRAIN OR FLOOR SINK. ALL PIPING TO BE CONCEALED IN PARTITIONS OR PIPE CHASES.

EXISTING CONDITONS NOTES

STOP AND READ
THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED. THIS SHALL HOLD TRUE FOR FIRST GENERATION AND 2ND GENERATION SPACES. WHEN DEMOLITION IS REQUIRED, THAT WILL BE PERMITTED TO EXPOSE CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTALLY AND VERTICAL, ELECTRICAL SERVICE/PANELS LOCATION AND VOLTS/PHASE, LOCATION/QTY OF ROOF MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSIONS, DOOR SWINGS FOR DOORS TO REMAIN AND ETC. IF NOT VERIFIED AND DISCOVERED AT A LATER TIME THE CONTRACTOR SHALL REIMBURSE THE ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E. PITCH OF SANITARY LINES, ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMENT, STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.

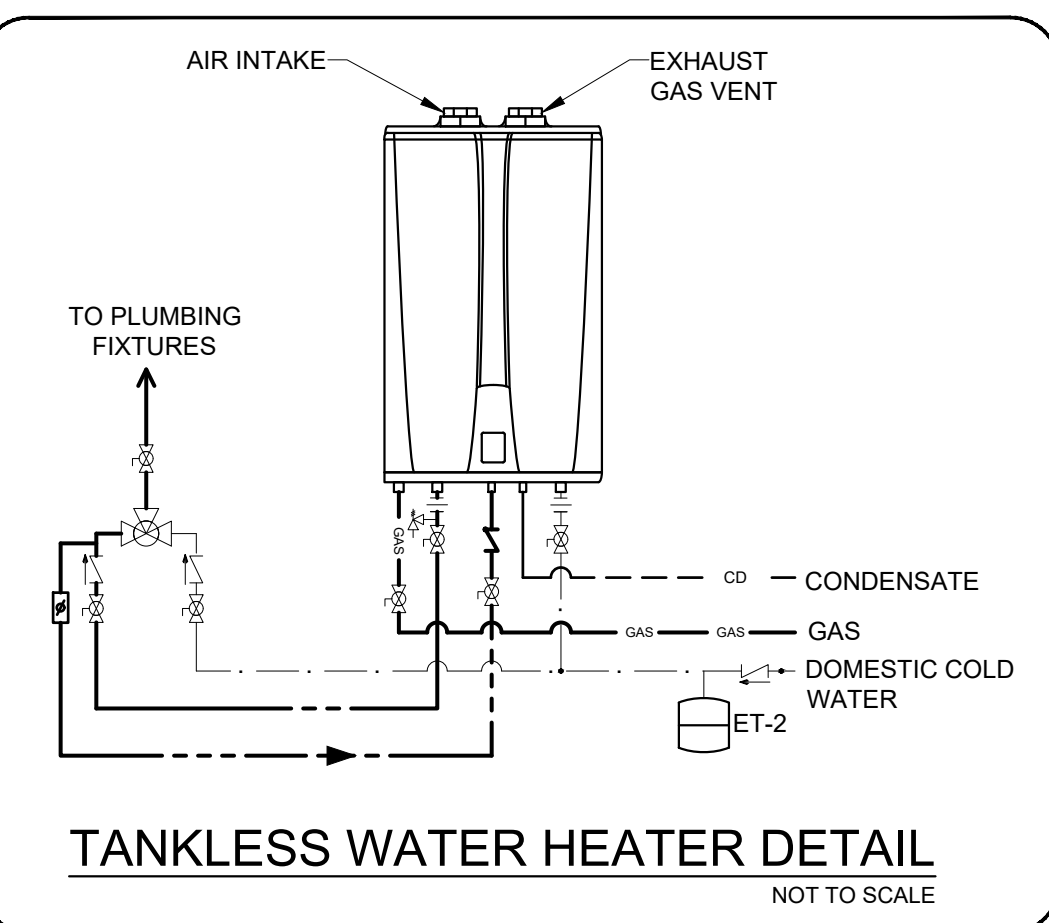


ISLAND SINK PLUMBING CONNECTION
NOT TO SCALE

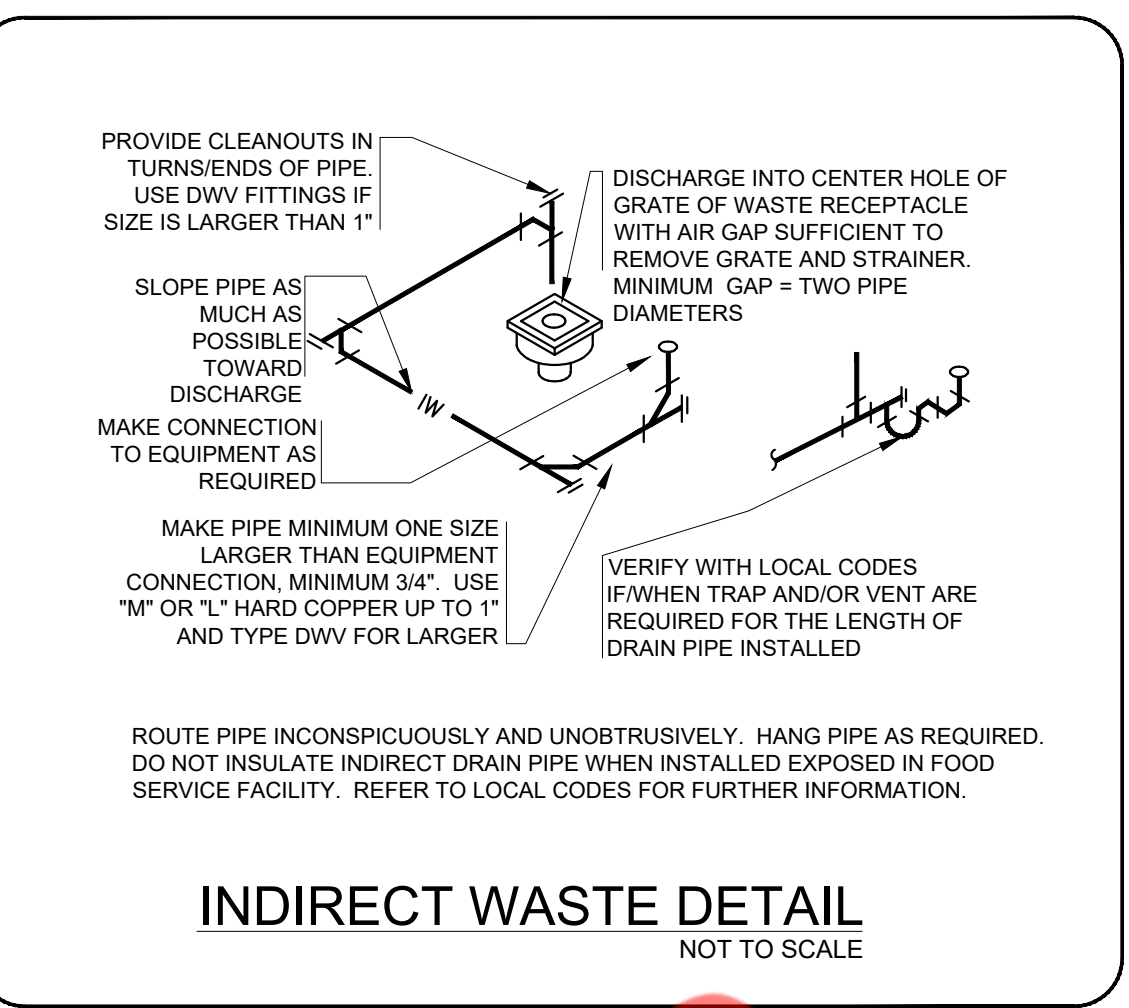
RECIRCULATION PUMP SCHEDULE

MANUFACTURER & MODEL	GRUNDFOS UP 15-18 BS
EQUIPMENT TAG	RCP-1
STATUS	NEW
QUANTITY	1
GPM	2
WATER TEMP. (°F)	140
PUMP TYPE	IN-LINE
MHP	88 WATTS
VPH/HZ	115/160
RPM	2280
SERVICE FACTOR	1.0

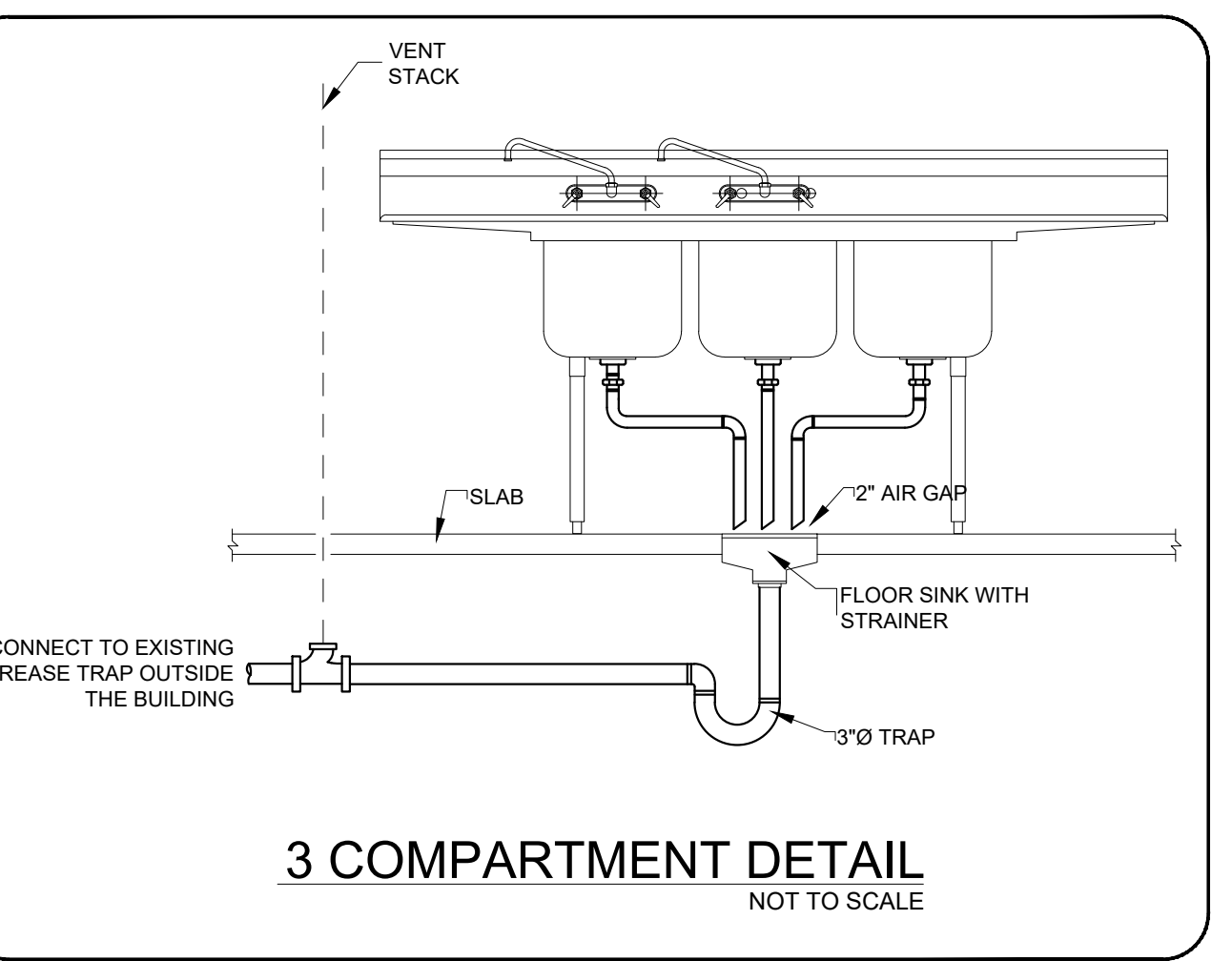
NOTE:
PROVIDE AQUA STAT WITH AUTOMATIC TIMER KIT FOR THE TEMPERATURE CONTROL OF HOT WATER SYSTEM. COORDINATE ELECTRICAL REQUIREMENTS FOR TIMER WITH ELECTRICAL CONTRACTOR.



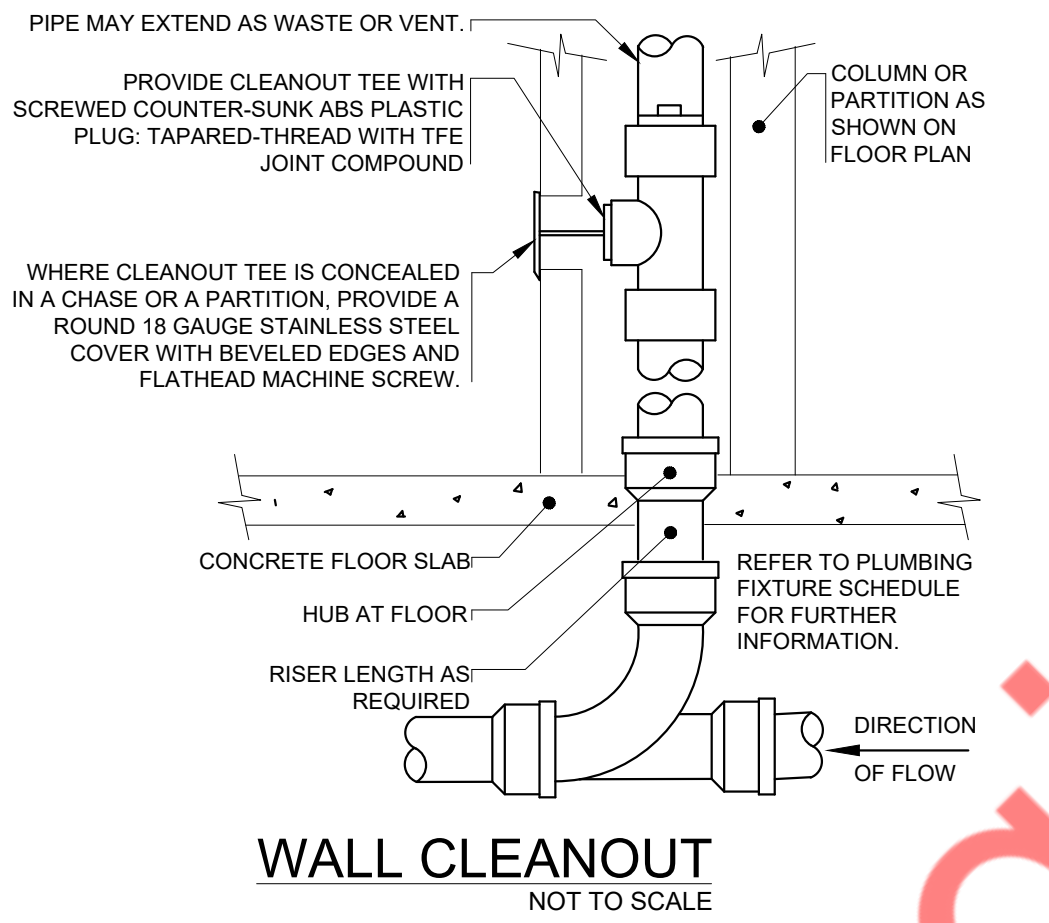
TANKLESS WATER HEATER DETAIL
NOT TO SCALE



INDIRECT WASTE DETAIL
NOT TO SCALE

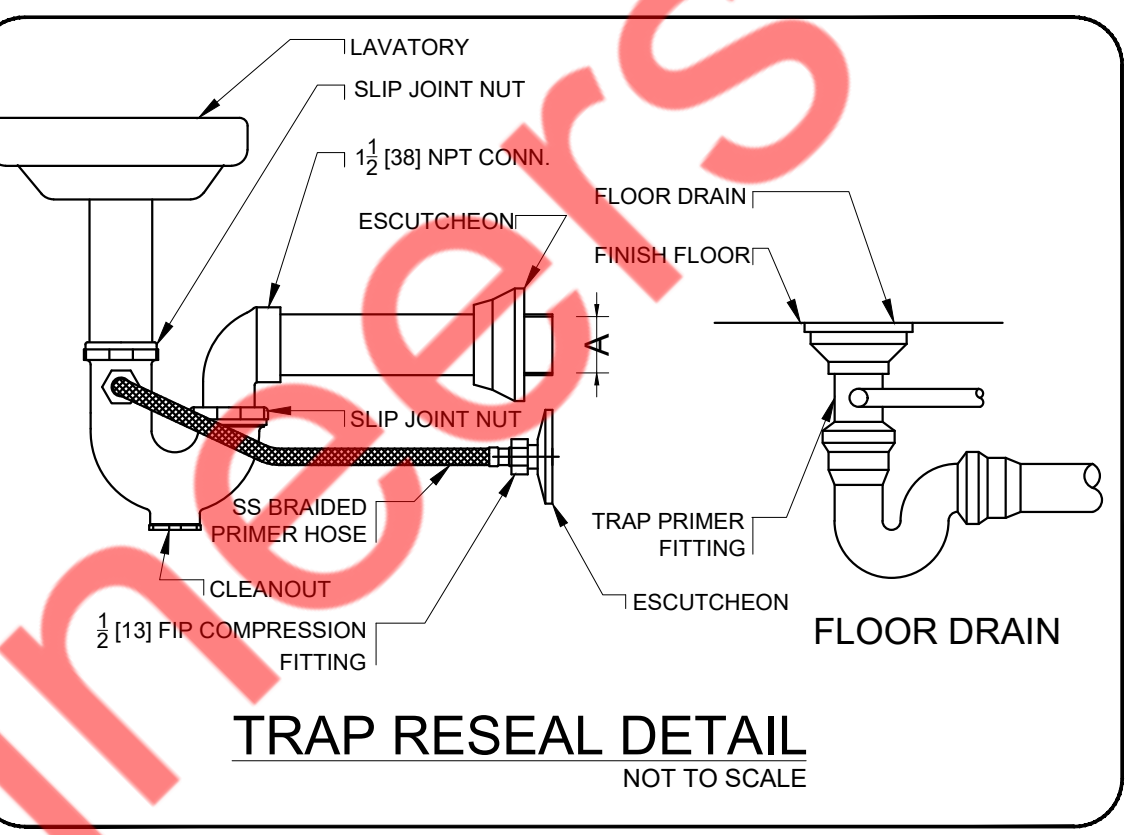


3 COMPARTMENT DETAIL
NOT TO SCALE

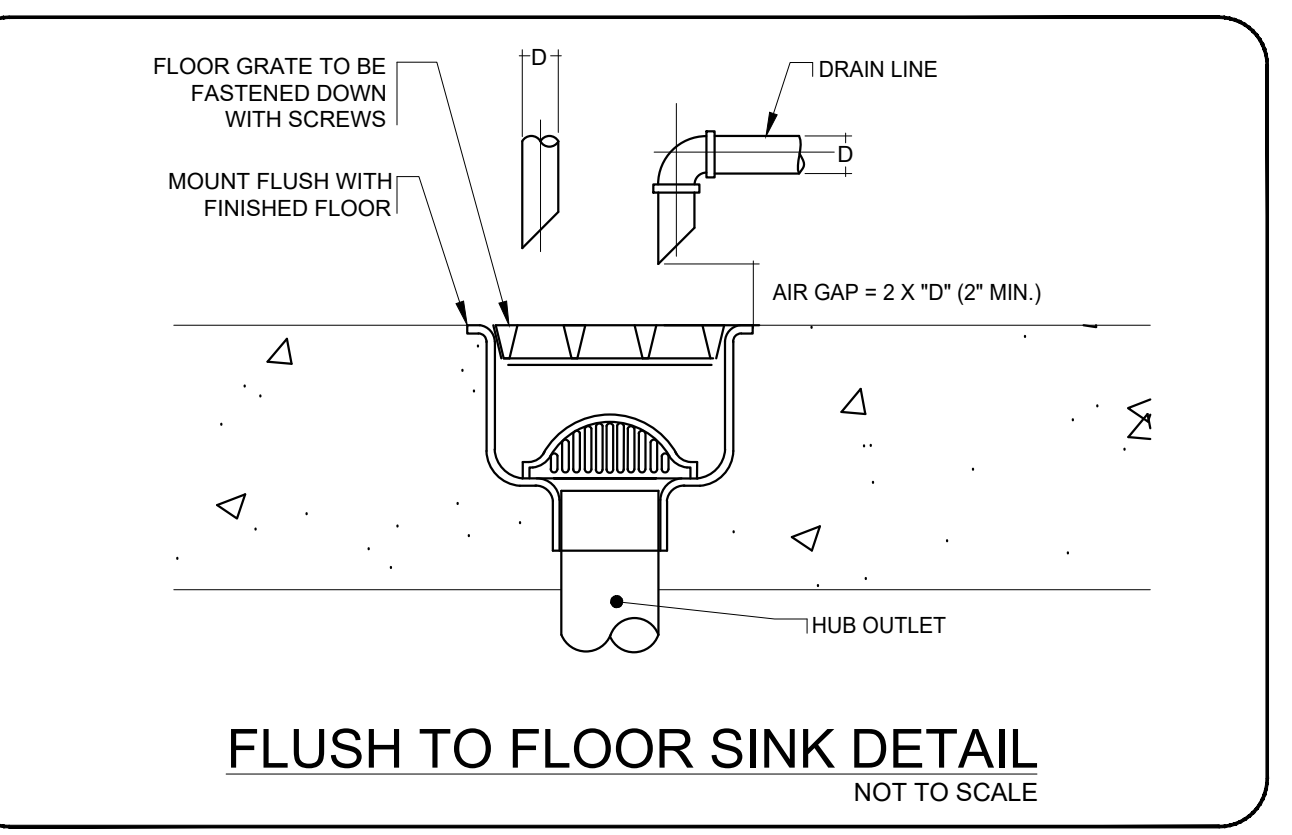


WALL CLEANOUT
NOT TO SCALE

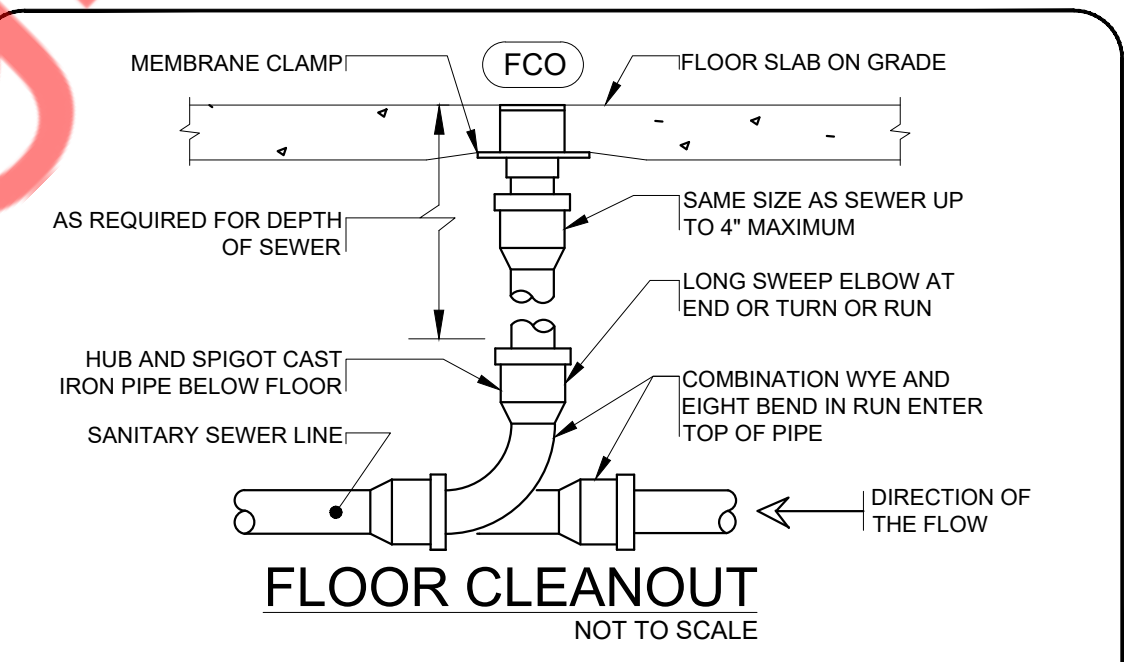
WALL CLEANOUT DETAIL NOTES
1) PROVIDE WCO WHERE SHOWN ON PLANS, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT.
2) LOCATE ABOVE FIXTURE FLOOR RIM WITHIN 4" OF FLOOR.
3) CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.
4) LONG SWEEP AT END OF LINE OR COMBINATION WYE AND EIGHT BEND IN RUN OF LINE.
5) CLEAN OUT FACE SHALL BE WITHIN 4" OF WALL SURFACE. PROVIDE A PIPE EXTENSION IF REQUIRED.



TRAP REVEAL DETAIL
NOT TO SCALE

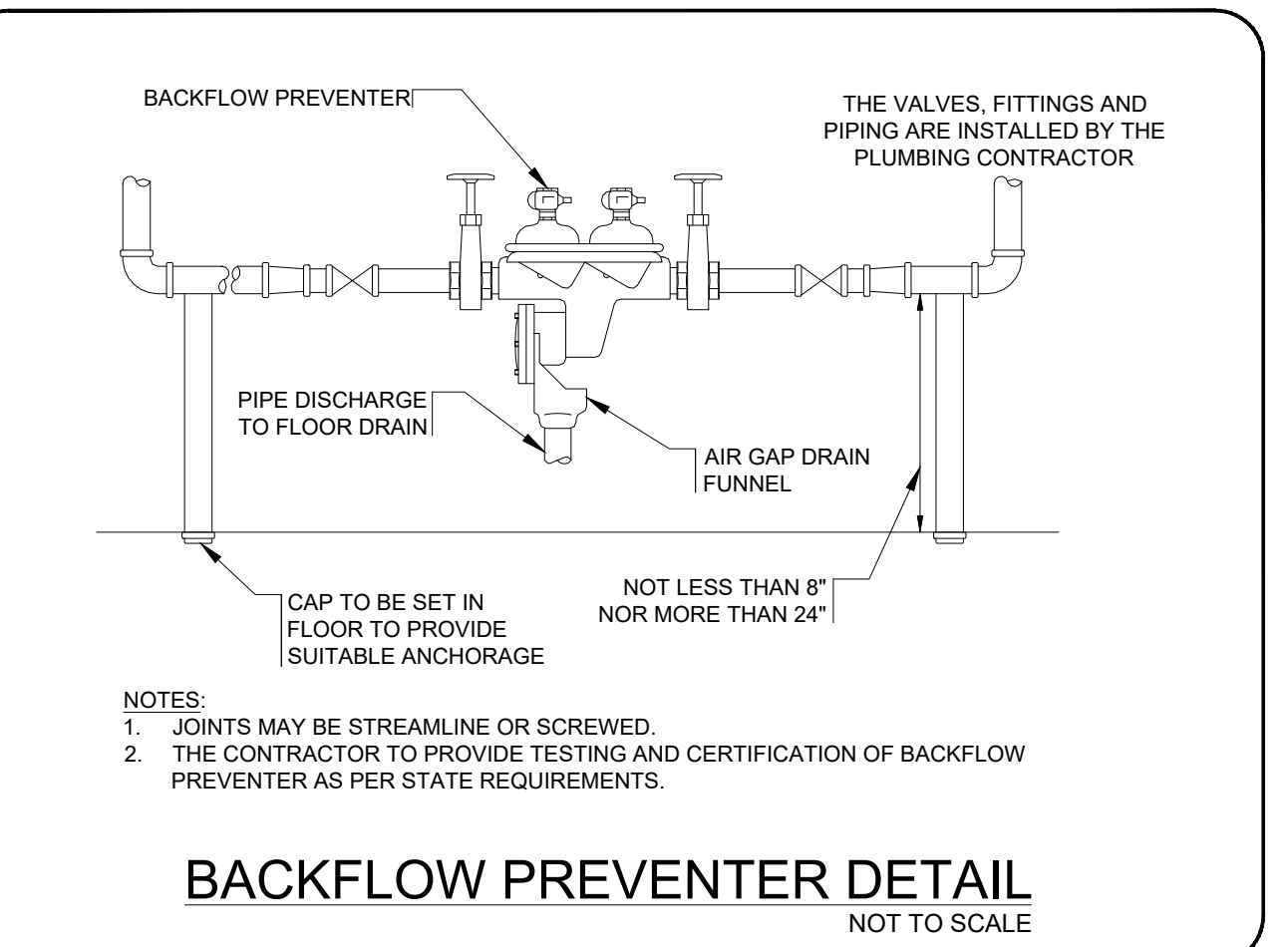


FLUSH TO FLOOR SINK DETAIL
NOT TO SCALE



FLOOR CLEANOUT
NOT TO SCALE

FLOOR CLEANOUT DETAIL NOTES
1) LOCATE CLEANOUT AT THIS LOCATIONS:
A) BUILDING EXIT
B) AT TURNS OF PIPES GREATER THAN 45 DEGREES
C) AT 90° INTERVALS ON STRAIGHT RUNS
D) WHERE IS SHOWN ON PLANS
E) WHERE IS 18" CLEAR AROUND



BACKFLOW PREVENTER DETAIL
NOT TO SCALE

TANKLESS WATER HEATER SCHEDULE

MANUFACTURER	NAVIEN
MODEL	NPE-180A2
EQUIPMENT TAG	WH-2
STATUS	NEW
QUANTITY	1
CAPACITY	TANKLESS
FUEL	GAS
BTU/HR	150,000
TOTAL FLOW RATE	6.0 GPM*
UNIFORM ENERGY FACTOR	0.95
AIR INTAKE/ EXHAUST	2"Ø / 2"Ø
VOLTAGE	120/1/60
AMPERAGE	2
WEIGHT (EMPTY)	73 LBS

NOTES:
1. *50°F TEMPERATURE RISE. SET TEMP @ 120°F.
2. INSTALL NEW EXPANSION TANK (ET-2) AMTRON MODEL THERM-X-TROL ST-1 AS PER LOCAL CODE REQUIREMENTS.
3. WATER HEATER COMES WITH INBUILT RECIRCULATION PUMP. CONNECT HWR LINE TO WHC DIRECTLY.

STORAGE WATER HEATER SCHEDULE

MANUFACTURER	AO SMITH
MODEL	BTH-120(A)
EQUIPMENT TAG	WH-1
STATUS	NEW
QUANTITY	1
CAPACITY	60 GALLONS
FUEL	GAS
BTU/HR	120,000
TOTAL FLOW RATE	197 GPH*
THERMAL EFFICIENCY	95%
AIR INTAKE/ EXHAUST	4"Ø / 4"Ø
VOLTAGE	120/1/60
AMPERAGE	5
WEIGHT (EMPTY)	460 LBS

NOTES:
1. *70°F TEMPERATURE RISE. SET TEMP @ 140°F.
2. INSTALL NEW EXPANSION TANK (ET-1) AMTRON MODEL THERM-X-TROL ST-1 AS PER LOCAL CODE REQUIREMENTS.

RESTROOM FIXTURE SCHEDULE

Item No.	Qty.	Description	Manufacturer	Model	Water	Waste	Usage	Spec
EX-LAV	6	LAVATORY	EXISTING TO REMAIN	EXISTING TO REMAIN	1/2"	1/2"	E	
EX-WC	6	WATER CLOSET	EXISTING TO REMAIN	EXISTING TO REMAIN	E	E	E	
EX-UR	2	URNAL	EXISTING TO REMAIN	EXISTING TO REMAIN	E	E	E	

KITCHEN EQUIPMENT PLUMBING SCHEDULE

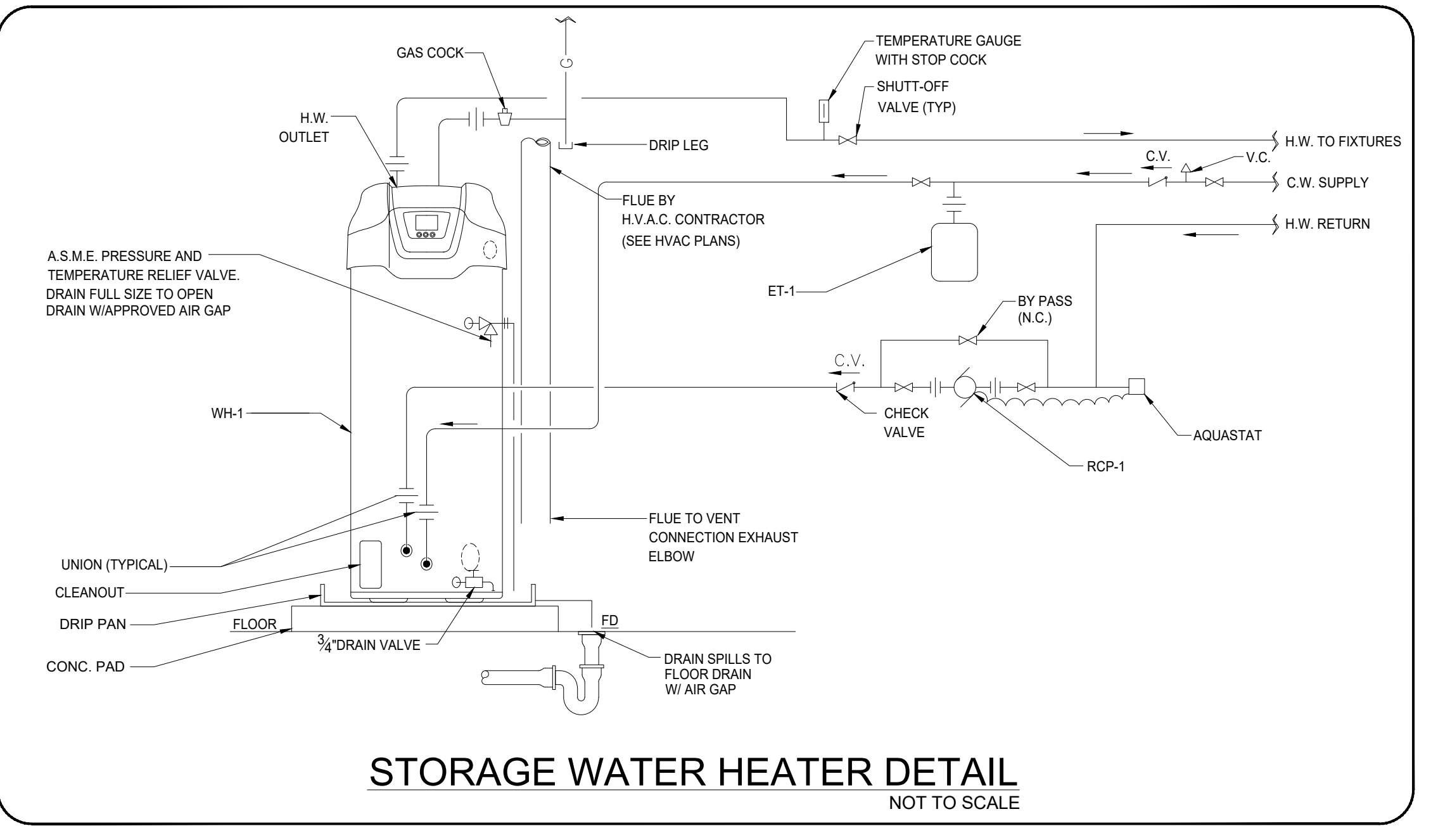
Item No.	Qty.	Description	Manufacturer	Model	WATER		WASTE	
					Hot	Cold	Direct	Indirect
20	1	2 COMP SINK	JOHN BOOS & CO	ZB184-2D18				2"
20.1	1	FAUCET, WALL MOUNT	T & S BRASS	B-0231	1/2"	1/2"		
20.2	1	WASTE VALVE	T & S BRASS	B-3940				2"
30	1	MOP SINK**	JOHN BOOS & CO	PBMS2016-12	1/2"	1/2"		3"
31	2	HAND SINK, WALL MOUNT	JOHN BOOS & CO	PBHS-W-0909-P-SSLR	1/2"	1/2"		1-1/2"
32	1	DISHTABLE, 'L' SHAPE	JOHN BOOS & CO	SDT4-7096SBK-R				2"
32.2	1	PRE-RINSE FAUCET, WALL MOUNT	T & S BRASS	B-0133	1/2"	1/2"		
33	1	WAREWASH	HOBART US FOODSERVICE	AM15-1				1-1/2"
34	1	DISHTABLE, STRAIGHT	JOHN BOOS & CO	DT3B18244-2D18L				2"
35	2	FAUCET, WALL MOUNT	T & S BRASS	B-0231	1/2"	1/2"		
36	4	WASTE VALVE	T & S BRASS	B-3940				2"
60	1	ICE MAKER W/O BIN	HOSHIZAKI AMERICA	KN-1301SAJ		1/2"		3/4"
60.1	1	FILTER SYSTEM, ICE MAKER	HOSHIZAKI AMERICA	H9320-52		1/2"		
61	1	BIN ICE	HOSHIZAKI AMERICA	B-1500SS				3/4"
65	1	BEVERAGE COUNTER W/ FAUCET	JOHN BOOS & CO	4CB4R10-3096-R	1/2"	1/2"	2"	2"
66	2	BEVERAGE DISPENSER	LANCER	ICD 2300 STD				3/4"
67	2	COFFEE/TEA MAKER	BUNN	38700.0009		1/2"		
68	2	COFFEE MAKER	BUNN	23001.0069		1/2"		
69	1	BEVERAGE COUNTER W/ FAUCET	JOHN BOOS & CO	4CB4R10-3048-L	1/2"	1/2"	2"	2"
70	1	ICE CREAM DIPPING CABINET	MASTERBILT	DD-66L				1/4"
71	1	DIPPER WELL	FMP	117-1339		1/2"		1"
72	1	UNDERBAR DRY STORAGE	KROWNE	KR24-S24				1"
73	1	UNDERBAR HANDSINK	KROWNE	KR24-12ST	1/2"	1/2"	1-1/2"	
101	10	UNDERBAR GLASS RACK	KROWNE	KR24-GS83				1"
102	3	CRAFT COCKTAIL MULTI-STATION	KROWNE	KR24-MS2R-10				1"
104	3	UNDERBAR MIXOLOGY SINK	KROWNE	KR24-MD8		1/2"	1/2"	1"
106	2	UNDERBAR BLENDER STATION	KROWNE	KR24-12BD	1/2"	1/2"	1-1/2"	
113	1	UNDERBAR HANDSINK	KROWNE	KR24-12ST	1/2"	1/2"	1-1/2"	
114	1	GLASSWASHER	KROWNE	GWH-24		3/4"	3/4"	1"
TMV	9	THERMAL MIXING VALVE	WATTS	LFMMV		1/2"	1/2"	
FS	20	FLOOR SINKS	ZURN	Z1900-23-31 (ZS1900 IF IN EXPOSED AREAS)				3"
FD	8	FLOOR DRAINS*	ZURN	ZS415 W/ TYPE BS STRAINER				3/4"

* HOT WATER 140°F, ** PROVIDE TMV AS PER SCHEDULE. *PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS, **ADAPTOR REQUIRED

ENERGY CONSERVATION NOTES

1. AS PER 2020 FBC-ENERGY CONSERVATION CODE (ADOPTS IECC 2018) C404.4, PIPING FROM A WATER HEATER TO THE TERMINATION OF HEATED WATER FIXTURE SUPPLY PIPE SHALL BE INSULATED IN ACCORDANCE WITH TABLE C404.2.10 OF MINIMUM PIPE INSULATION THICKNESS.

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	MINIMUM PIPE INSULATION THICKNESS		
	INSULATION CONDUCTIVITY	NOMINAL PIPE OR TUBE SIZE (INCHES)	
	CONDUCTIVITY (BTU IN / (H FT2 °F))	1 to < 1 1/2	1 1/2 to < 4
141-200	0.25-0.29	1.5	1.5
105-140	0.21-0.28	1.0	1.0
40-60	0.21-0.27	0.5	0.5
2. AS PER 2020 FBC-ENERGY CONSERVATION CODE (ADOPTS IECC 2018) C404.6.1, AUTOMATIC CONTROLS SHALL BE INSTALLED THAT LIMITS THE OPERATION OF A RECIRCULATING PUMP AND THE SYSTEM RETURN PIPE SHALL BE A DEDICATED RETURN PIPE OR A COLD WATER SUPPLY PIPE.
3. AS PER 2020 FBC-ENERGY CONSERVATION CODE (ADOPTS IECC 2018) C404.7, PUMPS SHALL HAVE CONTROLS THAT COMPLY WITH BOTH OF THE FOLLOWING:
 - A. THE CONTROL SHALL START THE PUMP UPON RECEIVING A SIGNAL FROM THE ACTION OF A USER OF A FIXTURE OR APPLIANCE, SENSING THE PRESENCE OF A USER OF A FIXTURE OR SENSING THE FLOW OF HOT OR TEMPERED WATER TO A FIXTURE FITTING OR APPLIANCE.
 - B. THE CONTROL SHALL LIMIT THE TEMPERATURE OF THE WATER ENTERING THE COLD-WATER PIPING TO 104°F (40°C).



STORAGE WATER HEATER DETAIL
NOT TO SCALE

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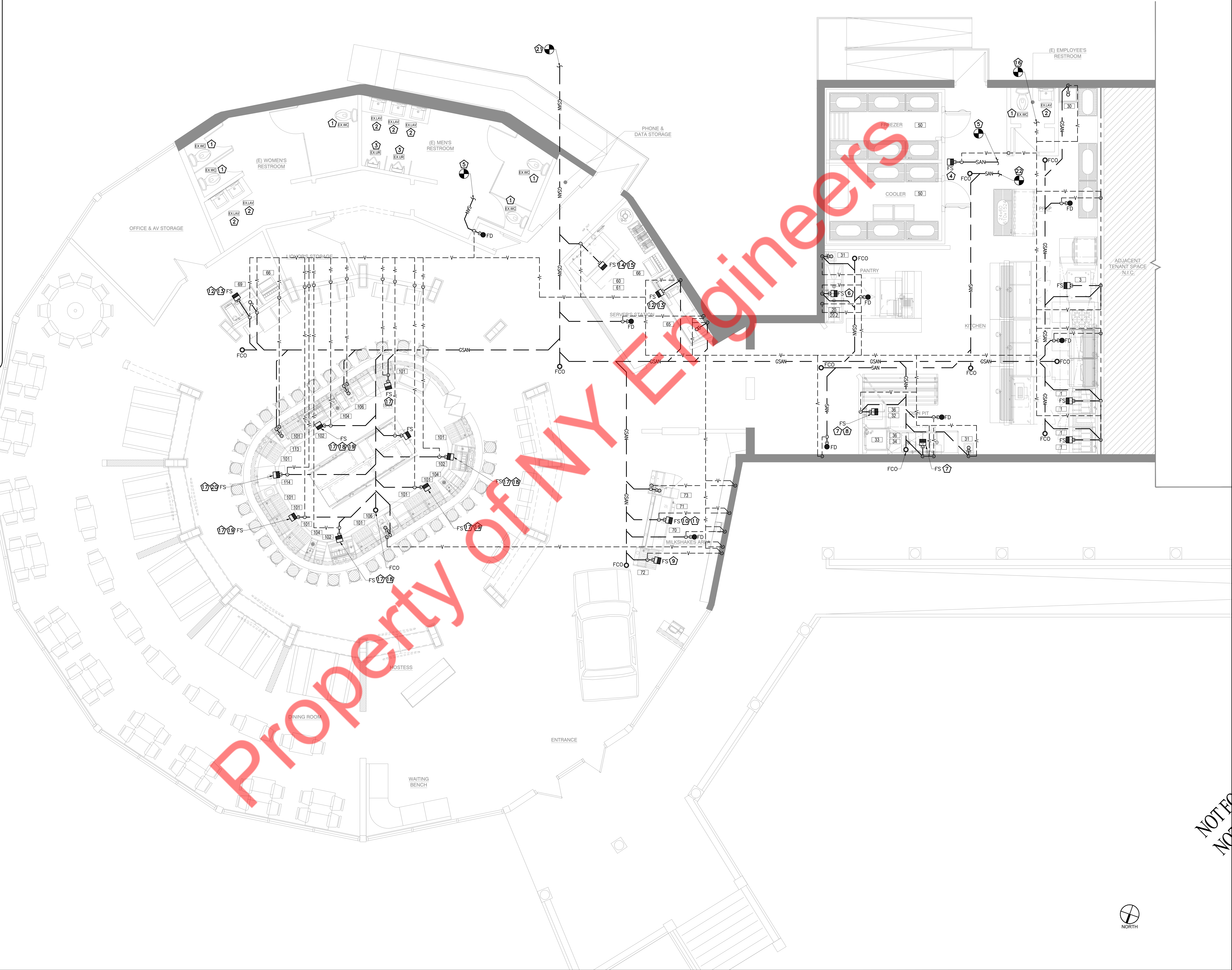
PLUMBING LEGENDS, NOTES, DETAILS & SCHEDULES

SANITARY KEY NOTES

- 1 EXISTING WATER CLOSET TO REMAIN WITH EXISTING SANITARY & VENT PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 2 EXISTING LAVATORY TO REMAIN WITH EXISTING SANITARY & VENT PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 3 EXISTING URINAL TO REMAIN WITH EXISTING SANITARY & VENT PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 4 ROUTE INDIRECT WASTE FROM WALK-IN COOLER/FREEZER TO FLOOR SINK WITH APPROVED AIRGAP.
- 5 EXTEND & CONNECT NEW 3" SANITARY WASTE PIPING TO EXISTING SANITARY LINE OF ADEQUATE SIZE IN AREA. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION, ROUTING AND INVERT OF EXISTING SANITARY MAIN AND UPGRADE EXISTING LINE IF REQUIRED.
- 6 ROUTE INDIRECT WASTE FROM 2 COMPARTMENT SINK TO FLOOR SINK WITH APPROVED AIRGAP.
- 7 ROUTE INDIRECT WASTE FROM DISHTABLE SINKS TO FLOOR SINK WITH APPROVED AIRGAP.
- 8 ROUTE INDIRECT WASTE FROM WAREWASH TO FLOOR SINK WITH APPROVED AIRGAP. CONTRACTOR TO MAKE SURE THAT DRAIN WATER TEMPERING KIT SHOULD BE INSTALLED PROPERLY IN THE WAREWASH.
- 9 ROUTE INDIRECT WASTE FROM DRY STORAGE CABINET TO FLOOR SINK WITH APPROVED AIRGAP.
- 10 ROUTE INDIRECT WASTE FROM ICE CREAM DIPPING CABINET TO FLOOR SINK WITH APPROVED AIRGAP.
- 11 ROUTE INDIRECT WASTE FROM DIPPER WELL TO FLOOR SINK WITH APPROVED AIRGAP.
- 12 ROUTE INDIRECT WASTE FROM BEVERAGE COUNTER DRAIN TO FLOOR SINK WITH APPROVED AIRGAP.
- 13 ROUTE INDIRECT WASTE FROM BEVERAGE DISPENSER TO FLOOR SINK WITH APPROVED AIRGAP.
- 14 ROUTE INDIRECT WASTE FROM ICE MAKER TO FLOOR SINK WITH APPROVED AIRGAP.
- 15 ROUTE INDIRECT WASTE FROM ICE BIN TO FLOOR SINK WITH APPROVED AIRGAP.
- 16 EXTEND & CONNECT NEW 4" VENT PIPING TO EXISTING VENT LINE OF ADEQUATE SIZE IN AREA. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING VENT MAIN AND UPGRADE EXISTING LINE WITH VTR IF REQUIRED.
- 17 ROUTE INDIRECT WASTE FROM GLASS RACK TO FLOOR SINK WITH APPROVED AIRGAP.
- 18 ROUTE INDIRECT WASTE FROM COCKTAIL MULTI STATION TO FLOOR SINK WITH APPROVED AIRGAP.
- 19 ROUTE INDIRECT WASTE FROM MIXOLOGY SINK TO FLOOR SINK WITH APPROVED AIRGAP.
- 20 ROUTE INDIRECT WASTE FROM GLASSWASHER TO FLOOR SINK WITH APPROVED AIRGAP. CONTRACTOR TO MAKE SURE THAT DRAIN WATER TEMPERING KIT SHOULD BE INSTALLED PROPERLY AT THE OUTLET OF GLASSWASHER.
- 21 EXTEND & CONNECT NEW 4" GREASE SANITARY WASTE PIPING TO EXISTING GREASE SANITARY LINE OF ADEQUATE SIZE IN AREA WITH EXISTING 1000 GALLONS GREASE INTERCEPTOR. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION, ROUTING AND INVERT OF EXISTING SANITARY MAIN AND UPGRADE EXISTING LINE IF REQUIRED. CONTRACTOR TO MAKE SURE THAT GREASE INTERCEPTOR IS MINIMUM 1000 GALLONS CAPACITY & CAN BE REUSED. IF NOT NOTIFY THE ENGINEER PRIOR TO START OF WORK.
- 22 EXTEND & CONNECT NEW 4" SANITARY WASTE PIPING TO EXISTING SANITARY LINE OF ADEQUATE SIZE IN AREA. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION, ROUTING AND INVERT OF EXISTING SANITARY MAIN AND UPGRADE EXISTING LINE IF REQUIRED.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WITH KITCHEN CONSULTANT / ARCHITECT FOR FINAL EQUIPMENT SELECTION.
2. SLOPE OF DRAINAGE PIPING SHALL BE 1/8" PER FOOT OF RUN FOR PIPE 3" TO 6" AND 1/4" PER FOOT OF RUN FOR PIPE 2-1/2" AND SMALLER. VENT PIPING SHALL BE PITCHED TO DRAIN.
3. CONTRACTOR TO FIELD VERIFY FEASIBILITY OF SLAB PENETRATION AS PER STRUCTURAL REQUIREMENT.
4. ALL MATERIAL INDICATED AND IMPLIED ON THESE DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
5. ALL CLEANOUTS TO BE ACCESSIBLE.
6. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS.
7. CONTRACTOR TO FIELD VERIFY THE EXISTING SANITARY & GREASE SANITARY PIPING SIZE, LOCATION & INVERT.
8. ALL SANITARY & GREASE SANITARY PIPES RUNNING UNDER THE SLAB.



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SANITARY PLAN & NOTES

WATER KEY NOTES

- 1 EXISTING WATER CLOSET TO REMAIN WITH EXISTING COLD WATER PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 2 EXISTING LAVATORY TO REMAIN WITH EXISTING COLD WATER & HOT WATER PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 3 EXISTING URINAL TO REMAIN WITH EXISTING COLD WATER PIPING CONNECTIONS WITH ASSOCIATED ACCESSORIES AND FITTINGS. CONTRACTOR TO FIELD VERIFY THE CONDITION OF EXISTING PIPING AND REPLACE IF REQUIRED.
- 4 EXTEND TO CONNECT NEW 3/4" CW PIPING TO EXISTING CW LINE FOR THE EXISTING WATER CLOSET CONNECTION.
- 5 EXTEND TO CONNECT NEW 1/2" CW & HW PIPING TO EXISTING CW & HW LINE FOR THE EXISTING LAVATORY CONNECTION.
- 6 EXISTING LAVATORY TO REMAIN. PROVIDE NEW COLD WATER & HOT WATER PIPING CONNECTIONS TO EXISTING LAVATORY WITH ASSOCIATED ACCESSORIES AND FITTINGS.
- 7 NO TAP OFF TO BE TAKEN BEFORE BFP.
- 8 EXTEND & CONNECT NEW 1-1/2" COLD WATER PIPING TO EXISTING COLD WATER LINE OF ADEQUATE SIZE IN AREA. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING COLD WATER MAIN AND UPGRADE EXISTING LINE IF REQUIRED.
- 9 CONTRACTOR TO FIELD VERIFY THE REQUIREMENT OF NEW WATER METER AND BFP WITH LANDLORD/OWNER. PROVIDE NEW AS SHOWN IF NOT EXISTING.
- 10 PROVIDE THERMOSTATIC MIXING VALVE FOR ALL HAND SINKS, KITCHEN SINKS & LAVATORIES.
- 11 WATER PIPES RUNNING UNDER THE SLAB.
- 12 COLD WATER PIPE FOR ICE MAKER TO BE CONNECTED TO ICE MAKER FILTER SYSTEM.
- 13 EXTEND TO CONNECT NEW 3/4" CW PIPING TO EXISTING CW LINE FOR THE EXISTING URINAL CONNECTION.

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WITH KITCHEN CONSULTANT / ARCHITECT FOR FINAL EQUIPMENT SELECTION.
2. CONTRACTOR TO FIELD VERIFY FEASIBILITY OF SLAB PENETRATION AS PER STRUCTURAL REQUIREMENT.
3. ALL MATERIAL INDICATED AND IMPLIED ON THESE DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO FIELD VERIFY THE EXISTING WATER PIPING SIZE AND LOCATION.
5. ALL WATER PIPES ARE RUNNING ABOVE THE CEILING UNLESS UNTIL SPECIFIED.
6. CW/HW/HWR PIPING TO BE PROVIDED WITH INSULATION AS PER 2020 FLORIDA BUILDING CODE, ENERGY CONSERVATION, 7TH EDITION BASED ON 2018 IECC (REFER NOTES ON SHEET P-1).
7. PROVIDE BRANCH PRV IF PRESSURE EXCEEDS 80 PSI.
8. PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTORS, BALANCING VALVES AND SHUT-OFF VALVES AS REQUIRED.
9. NEW WATER HEATERS DRAIN SPILLS TO FLOOR DRAIN.



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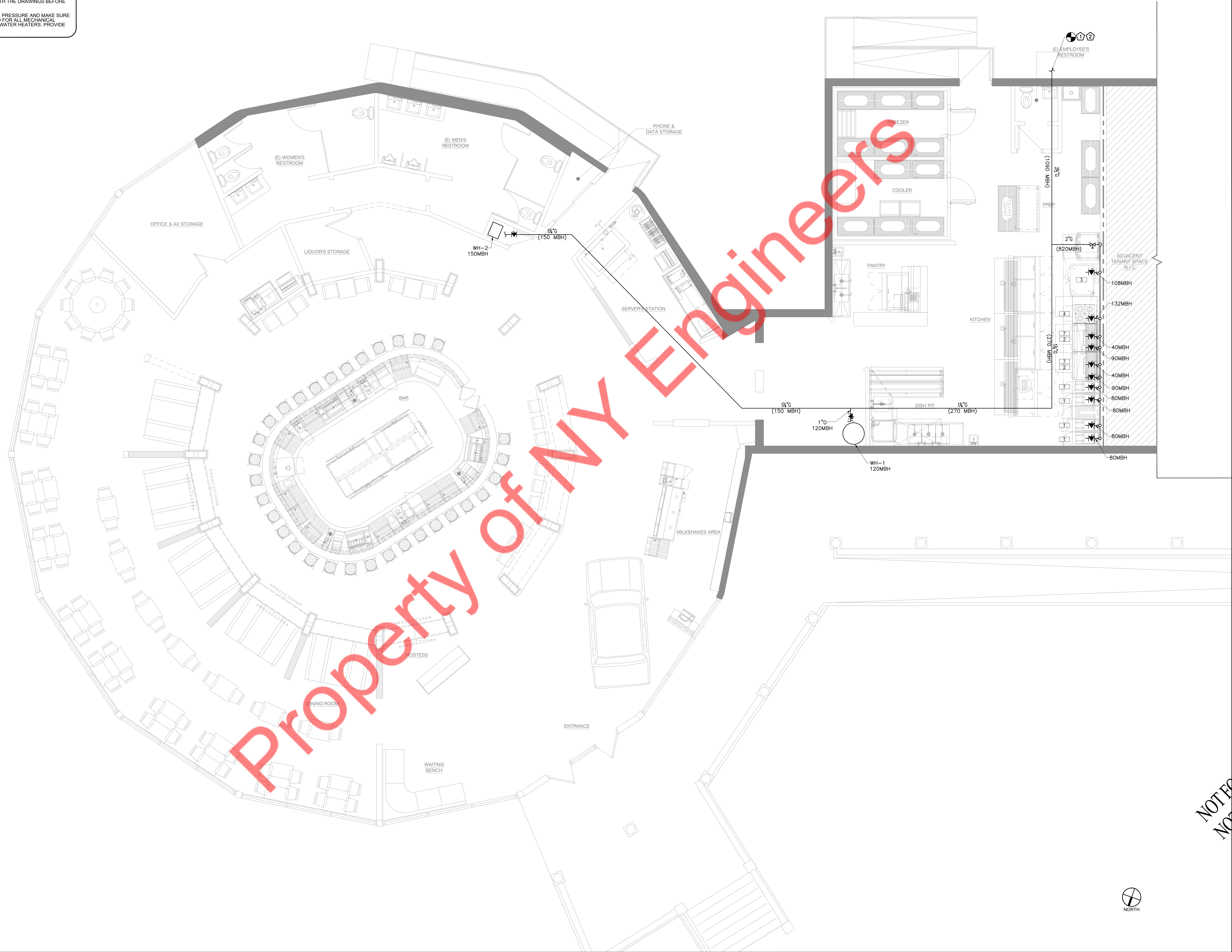
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WATER PLAN & NOTES

GAS KEY NOTES

- 1. CONNECT NEW 2 1/2" GAS LINE TO EXISTING GAS METER. CONTRACTOR TO FIELD VERIFY SIZE, PRESSURE AND LOCATION OF GAS METER WITH LAND OR UTILITY COMPANY AND UPGRADE IF REQUIRED. CONTRACTOR TO FIELD VERIFY THE LENGTH FROM THE EXISTING GAS METER TO THE FARTHEST GAS FIXTURE AND LET THE ENGINEER KNOW IF IT IS NOT MATCHING WITH THE DRAWINGS BEFORE STATING THE WORK.
- 2. CONTRACTOR TO FIELD VERIFY EXISTING AVAILABLE PRESSURE AND MAKE SURE TO PROVIDE ADEQUATE INLET PRESSURE REQUIRED FOR ALL MECHANICAL EQUIPMENTS, KITCHEN EQUIPMENT AND GAS FIRED WATER HEATERS. PROVIDE PRESSURE REGULATOR IF REQUIRED.



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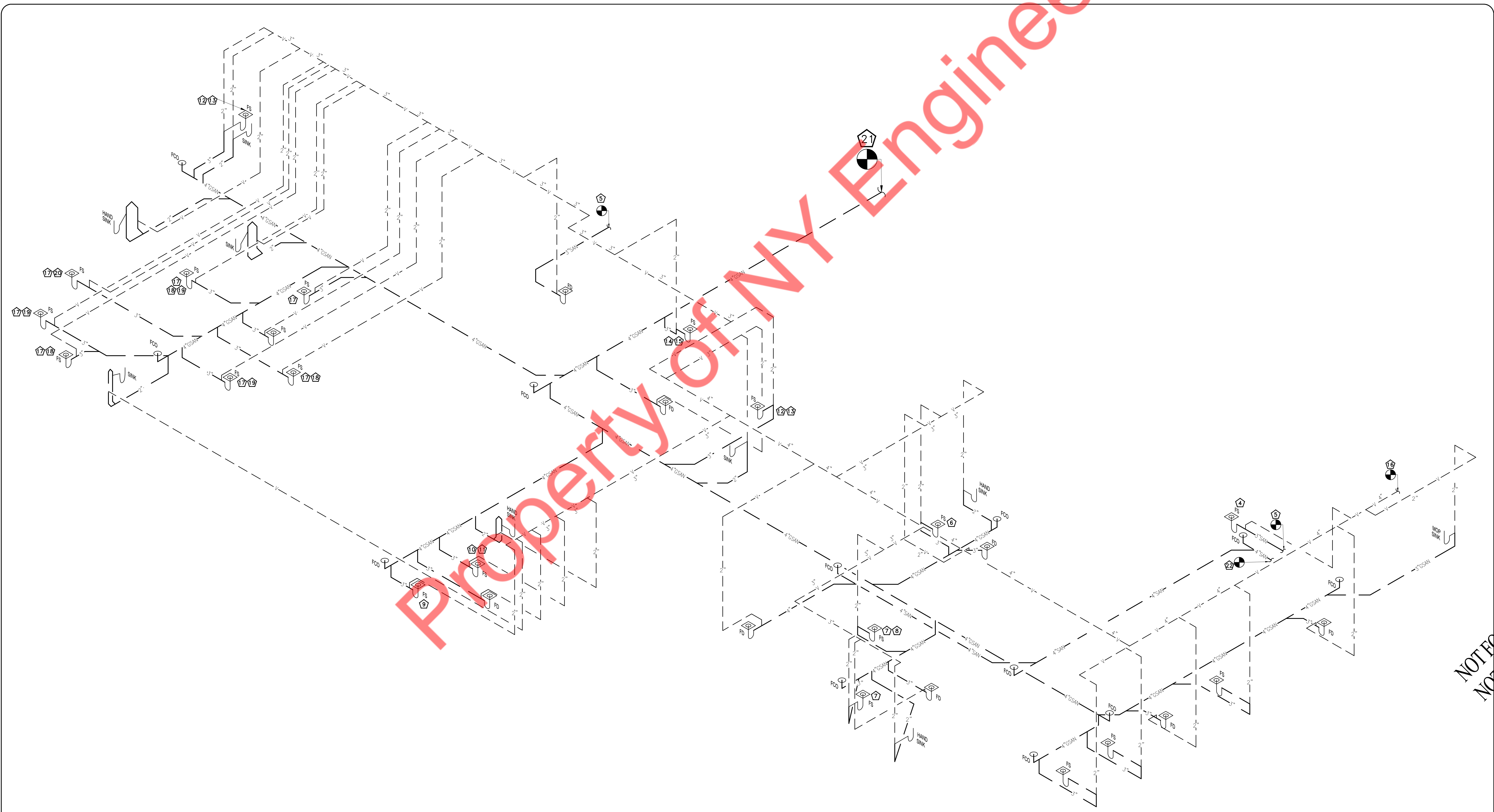
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GAS PLAN & NOTES

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GENERAL NOTE
REFER PLUMBING SANITARY FLOOR PLAN ON SHEET P-2 FOR SANITARY KEY NOTES.



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GENERAL NOTE
REFER PLUMBING WATER FLOOR PLAN ON SHEET P-3 FOR WATER KEY NOTES.

