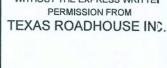


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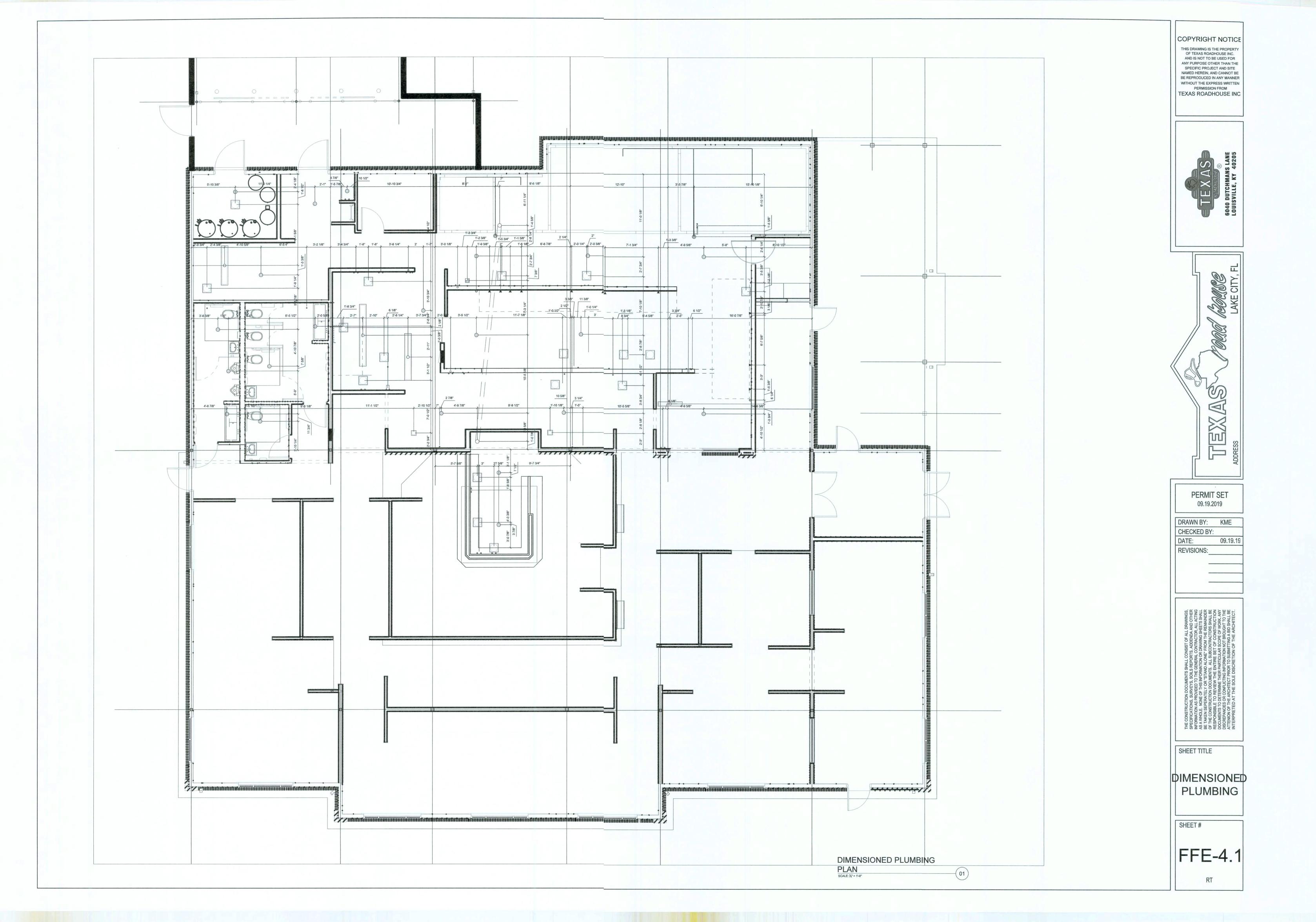
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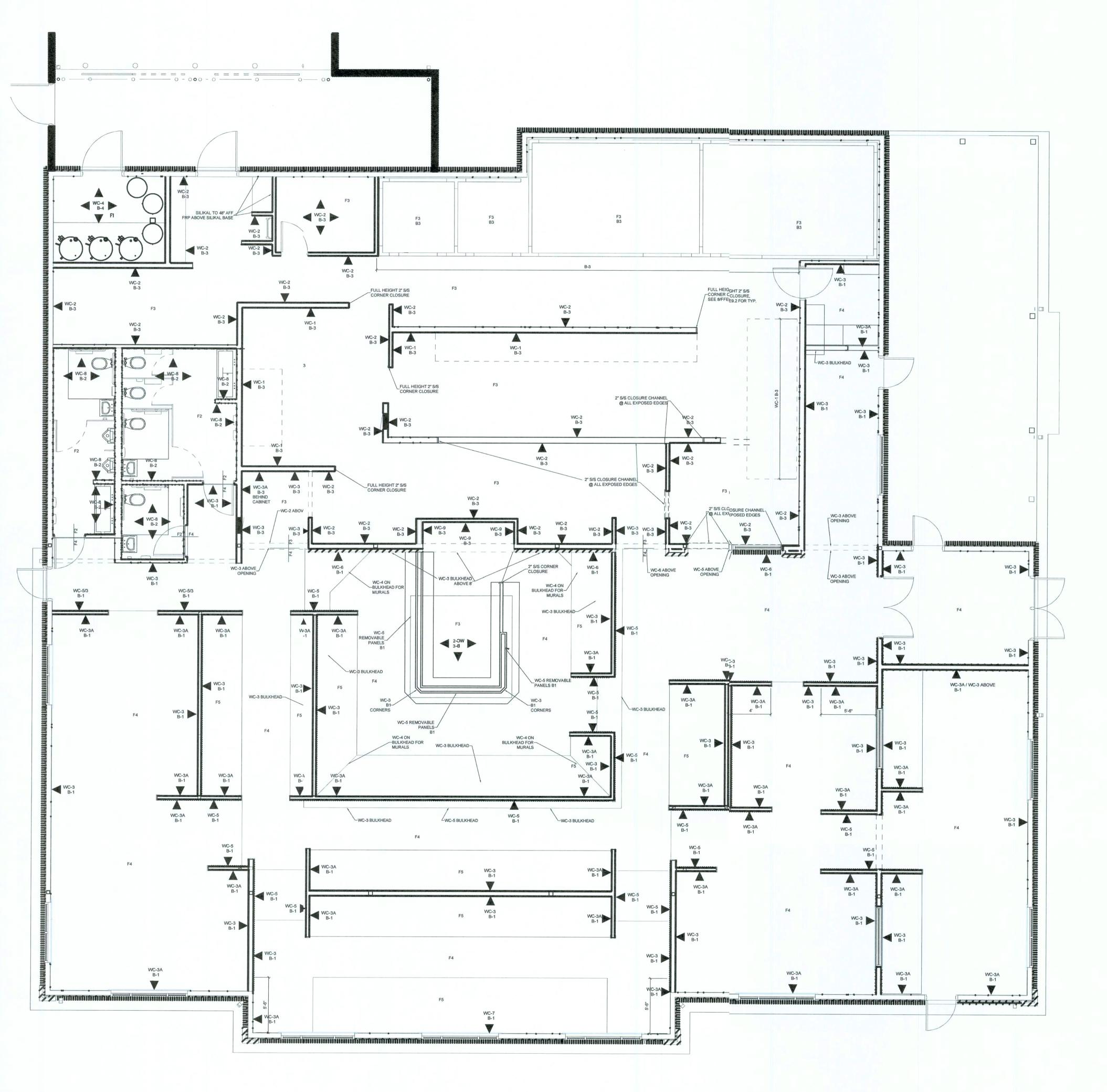
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WALL COVERINGS

WC-1 STAINLESS STEEL WALL PANELS, OVER ½" DUROCK BEHIND ALL COOKING EQUIPMENT STAINLESS STEEL WALL PANELS

WC-2 MARLITE BRAND FRP PANELING AS MANUFACTURED BY MASONITE CORP. OR EQUAL COLOR WHITE ALL FRP COVERED WALLS TO HAVE 1/2 PLYWOOD BACKING THROUGHOUT BUILDING.

OVER ½" PLYWOOD IN OTHER AREAS SPECIFIED (20 GA. MINIMUM, USE BATTEN STRIPS AT SEAMS) TYPE 304 #3

WC-3A PLYWOOD WALL COVERING FRAMED WITH 1 X 4 CEDAR BEHIND BOOTHS AND TRASH ENCLOSURES AND POS STANDS

WC-5 CORRUGATED METAL SIDING 2 1/2 INCH GAVALUME 26 GAUGE

BRICK VENEER - OWENS CORNING - HIGH DESERT CB-418953

WC-7 BEVELED CEDAR SIDING TO 48" AFF. APPLY TEXTURED STUCCO FINISH PAINTED WITH THE WHITE WHEAT IN #149 ALKYD SEMI GLOSS PAINT ABOVE SIDING TO CEILING TRIM

WC-8 CERAMIC TILE 12" X 12" AMERICAN OLEAN - KENDAL SLATE,

SEE ARCHITECTURAL GROUT: TEC #925 SABLE FOR BATHROOM WALL DETAILS

WC-9 MARLITE BRAND FRP PANELING AS MANUFACTURED BY MASONITE CORP. OR EQUAL COLOR BLACK

WC-4 CONCRETE BOARD TO 18"AFF - GYPSUM BOARD ABOVE

WC-3 BEVELED CEDAR SIDING -WESTERN RED CEDAR 11/16"X8"KD

DENSITY— 12% MC, FLAME SPREAD 69 (CLASS 2)

PROVIDE CORROSION RESISTANT NAILS

F4 CONCRETE - NATURAL FINISH BLACK

COLORING ADDED TO CONCRETE IN AL

DINING AREAS (SEE STRUCT FOR MIX)

WC-6 BRICK VENEER - PHOENIX #114-06, OVERSIZE, F-06955 B1 PINE BASE BOARD 2X6

COLOR: CARLISLE BLACK KS03

FLOORING

F2 QUARRY TILE- 6"X 6" AMERICAN OLEAN FAWN GRAY ABRASIVE GRAIN Q06 W TEC #925 SABLE GROUT. PROVIDE JOINTS IN FLOOR TILE AT ALL FLOOR SLAB CONTROL JOINTS

COLORING ADDED TO CONCRETE IN ALL DINING AREAS (SEE STRUCT FOR MIX)

F5 WOOD-1"X 6" YELLOW PINE GRADE D OR BETTER TONGUE AND GROOVE NAILED TO FURRING STRIPS

B2 QUARRY TILE COVE BASE TO MATCH F2

BOARD 18" HIGH ON WALL. B3 SILIKAL QUARTZ BLEND #4

B4 BLACK RUBBER BASE

FLOORING COVE TO FLOOR AND TO WALL.
INSTALL BASE OVER 1/2" DUROCK CEMENT

F1 CONCRETE - NATURAL FINISH

F3 SILIKAL QUARTZ BLEND #4

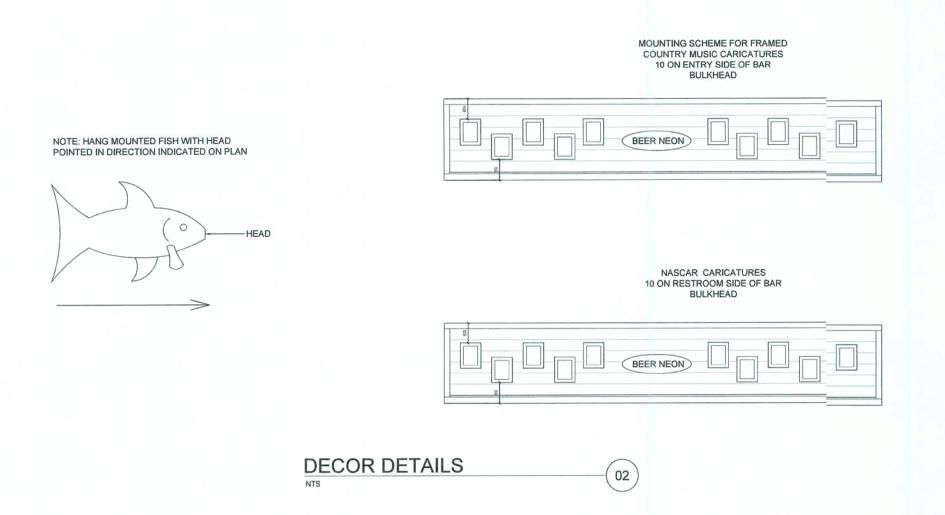
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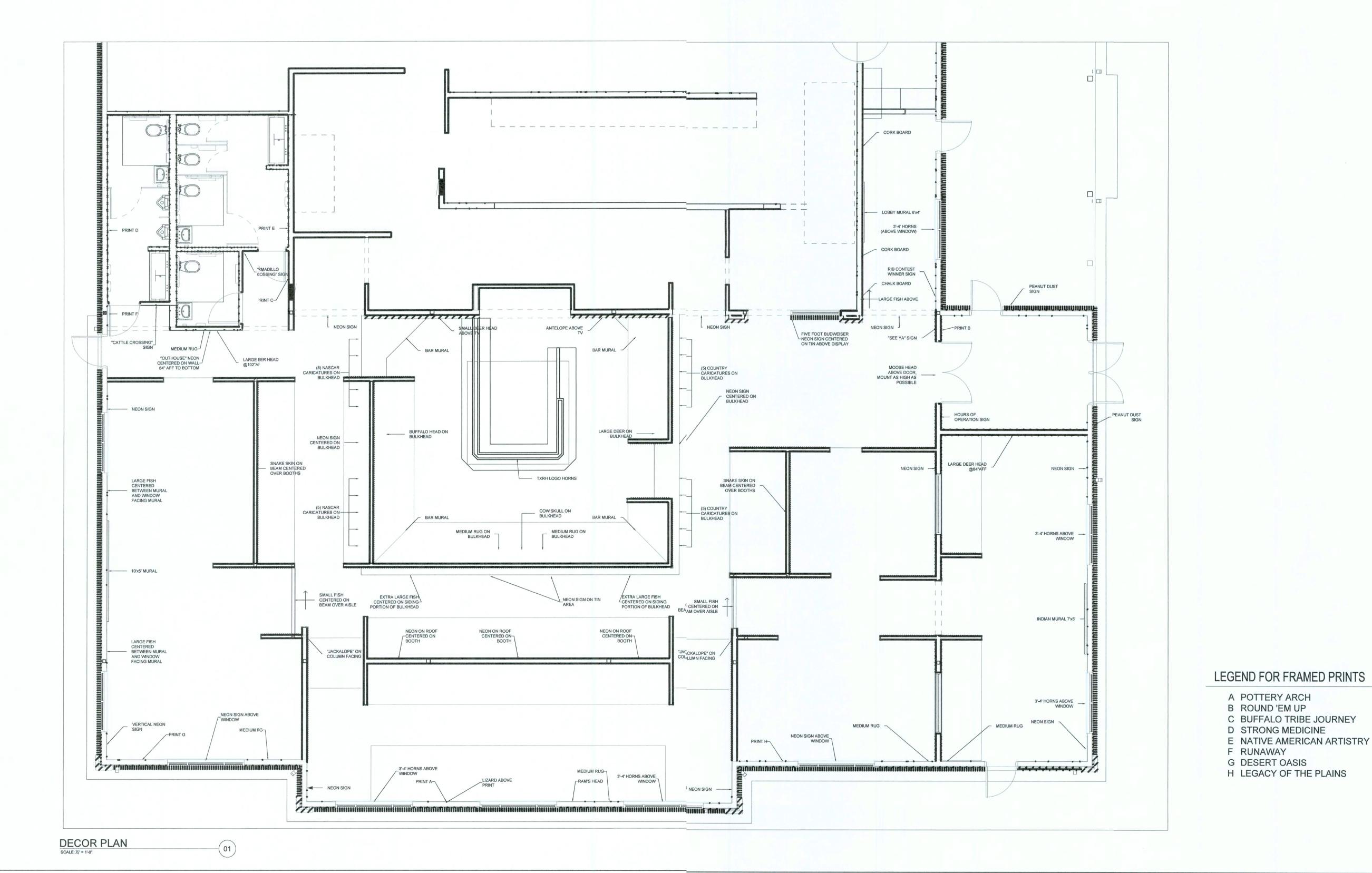
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FINISH PLAN

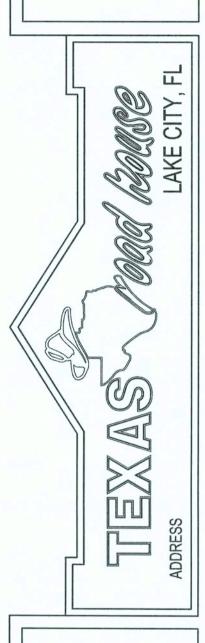
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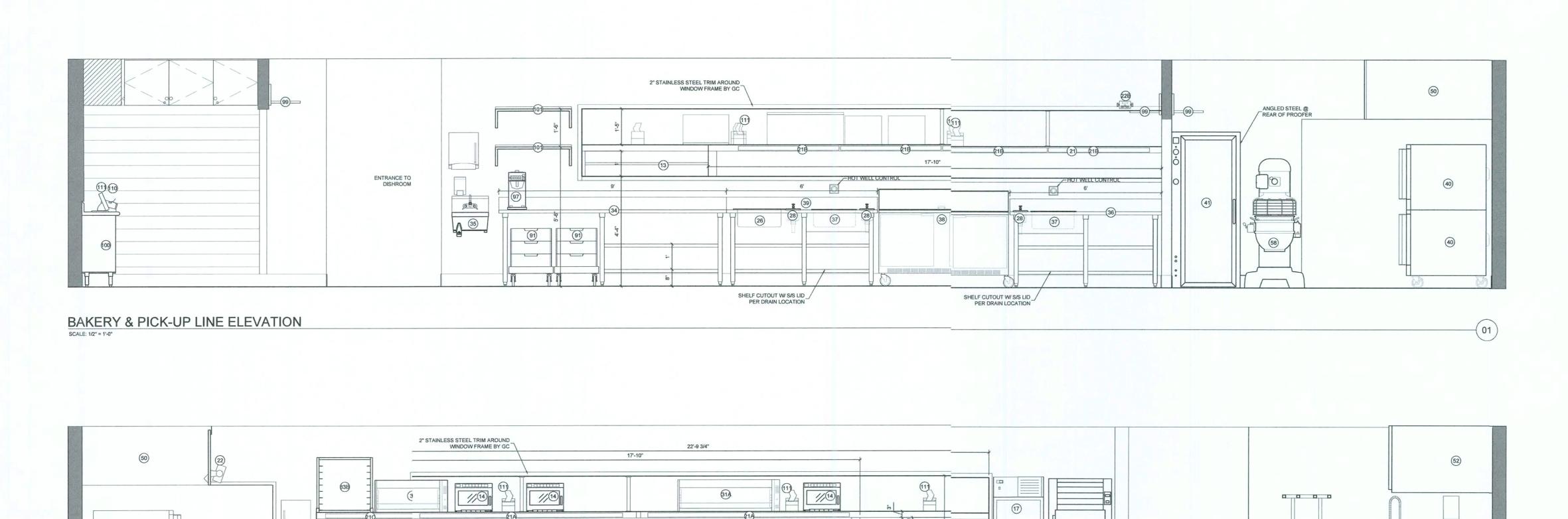
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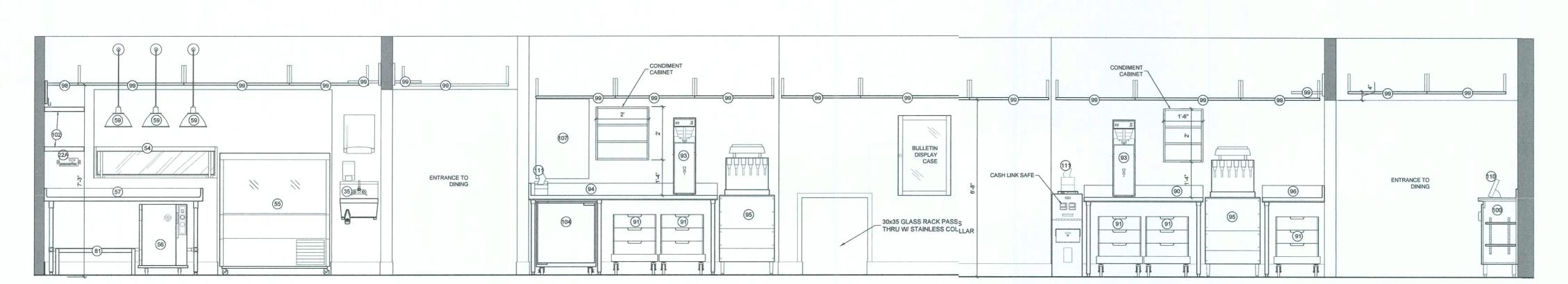
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BEVERAGE, ORDER PICK-UP AREA & BAKERY ELEVATION

DISHROOM, COOKLINE & HOT PREP ELEVATION

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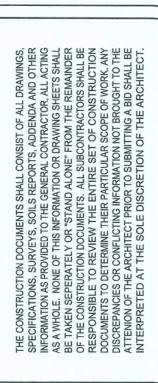


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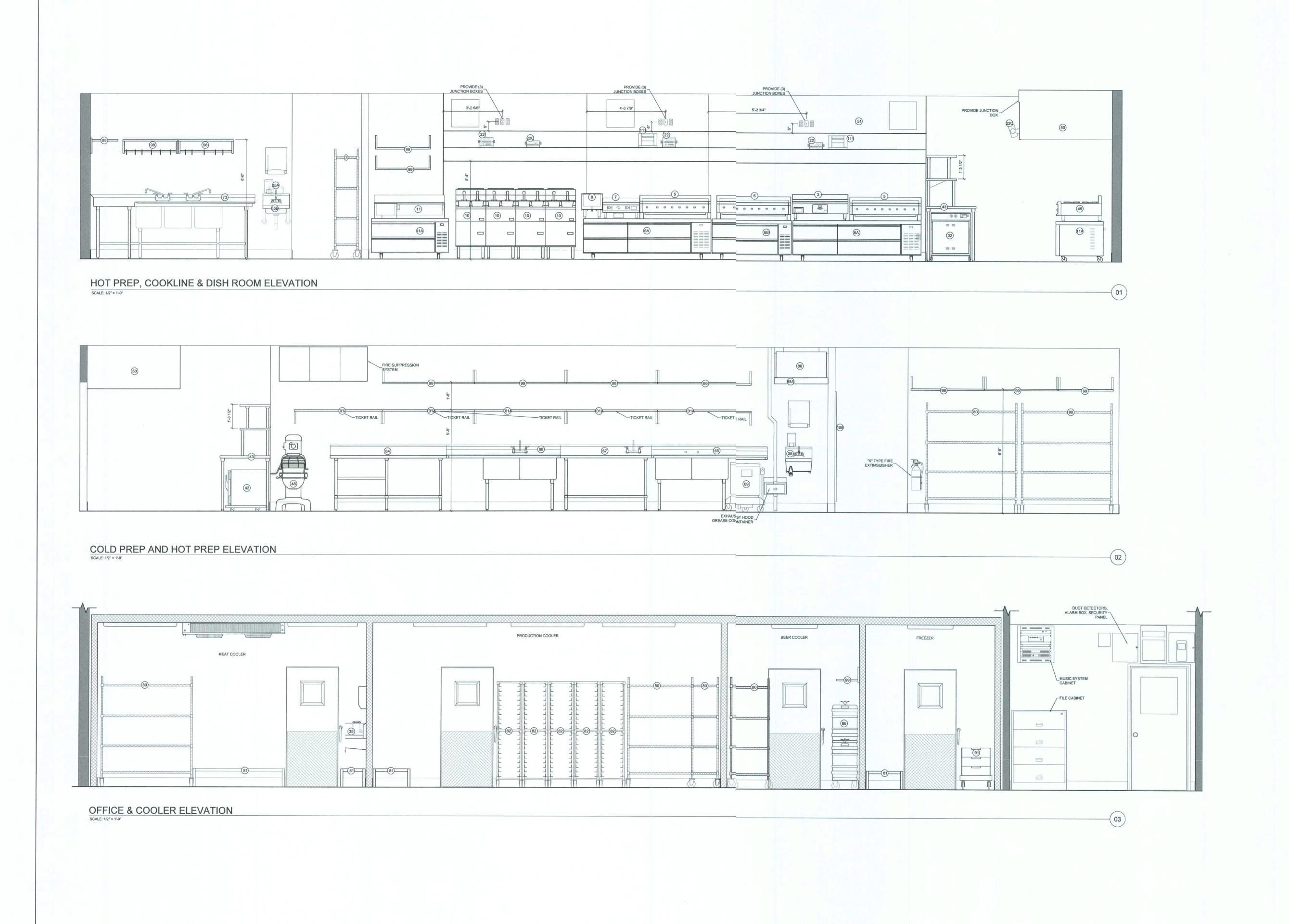


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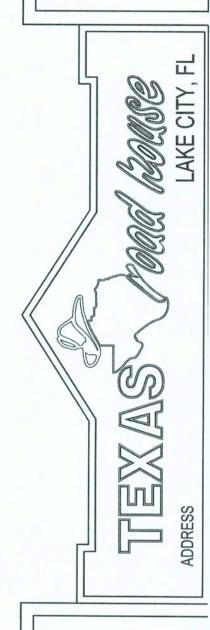
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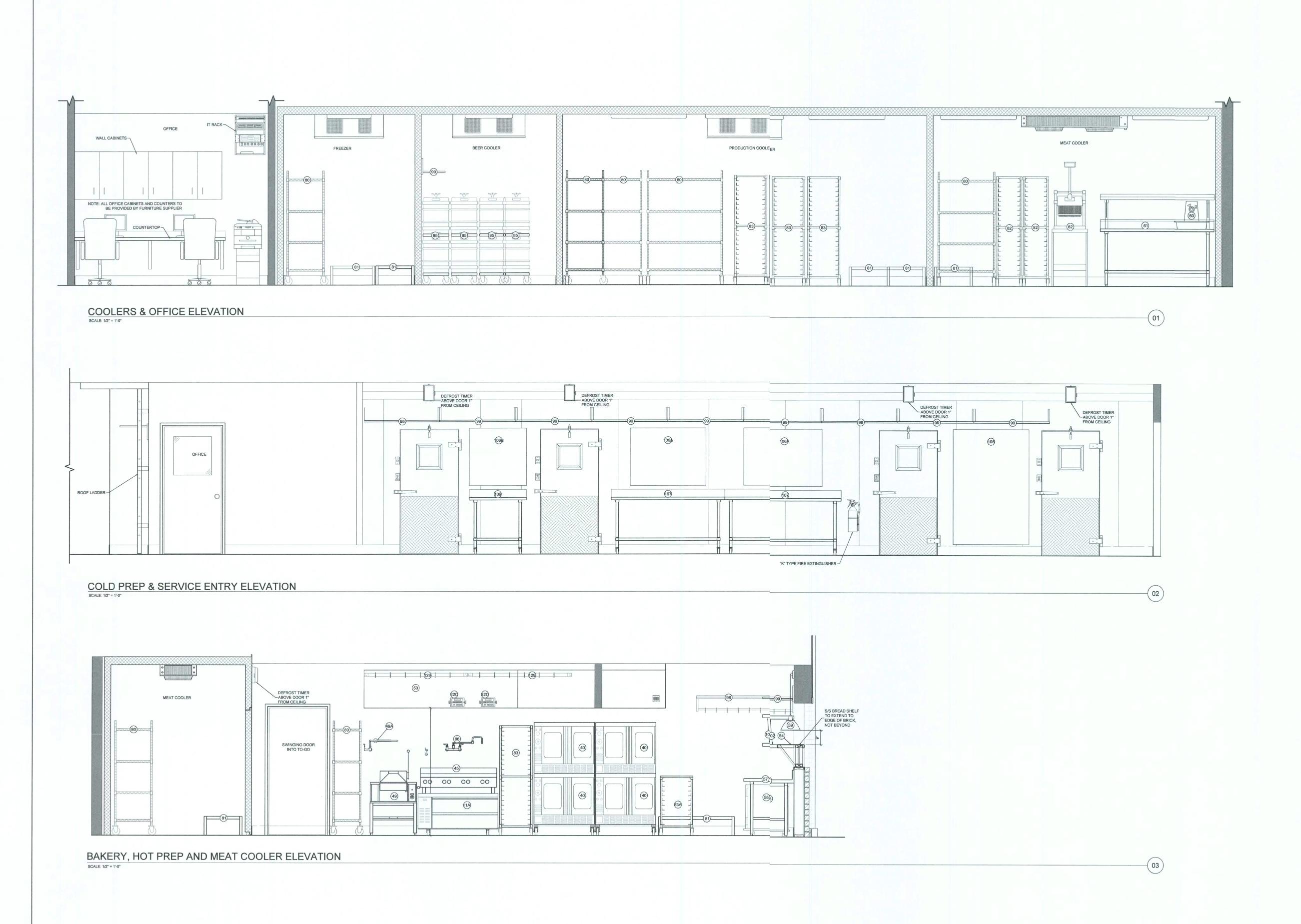
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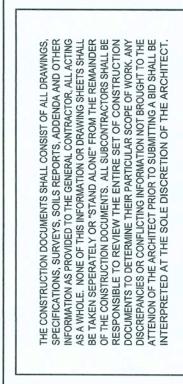
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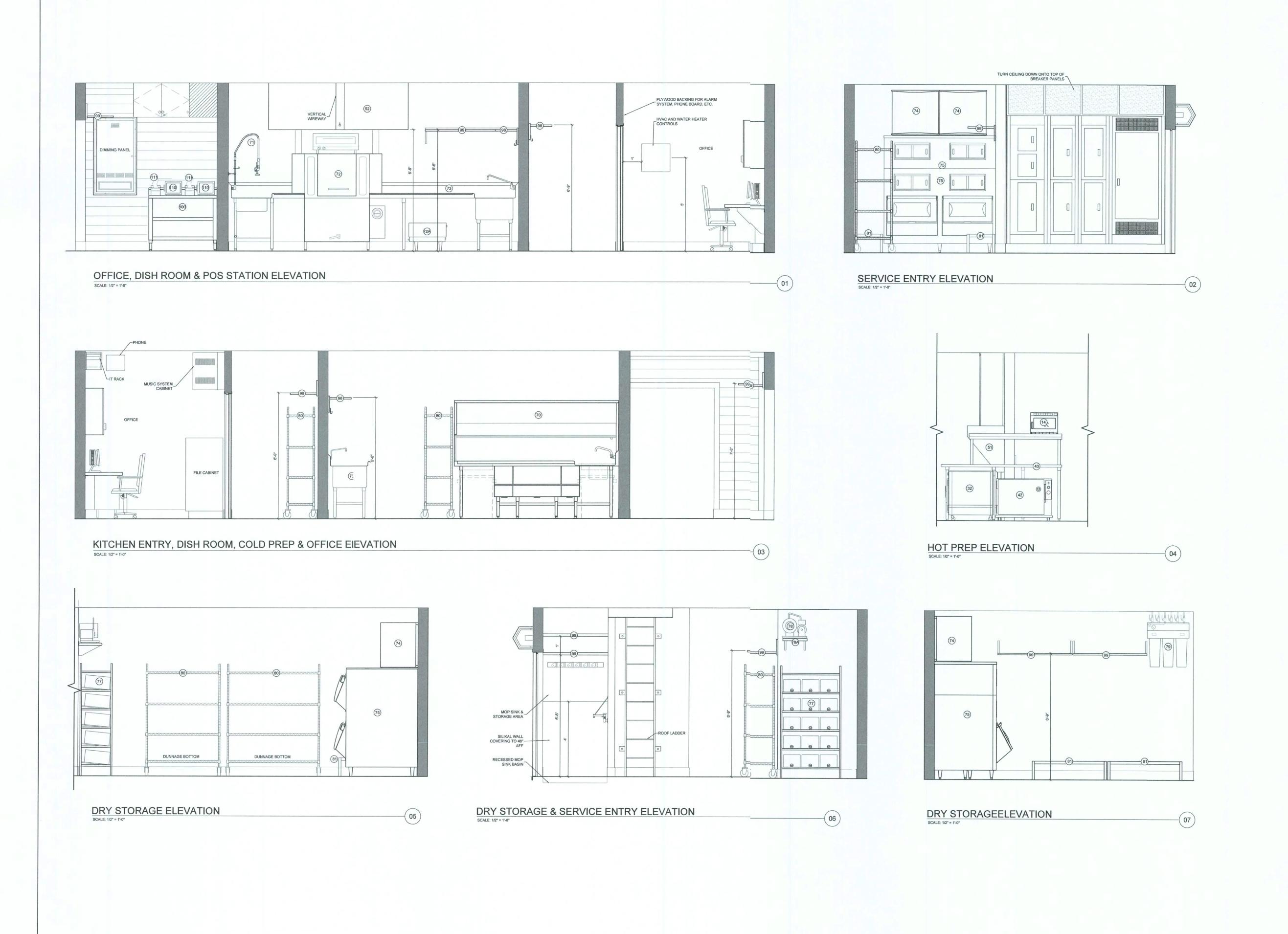


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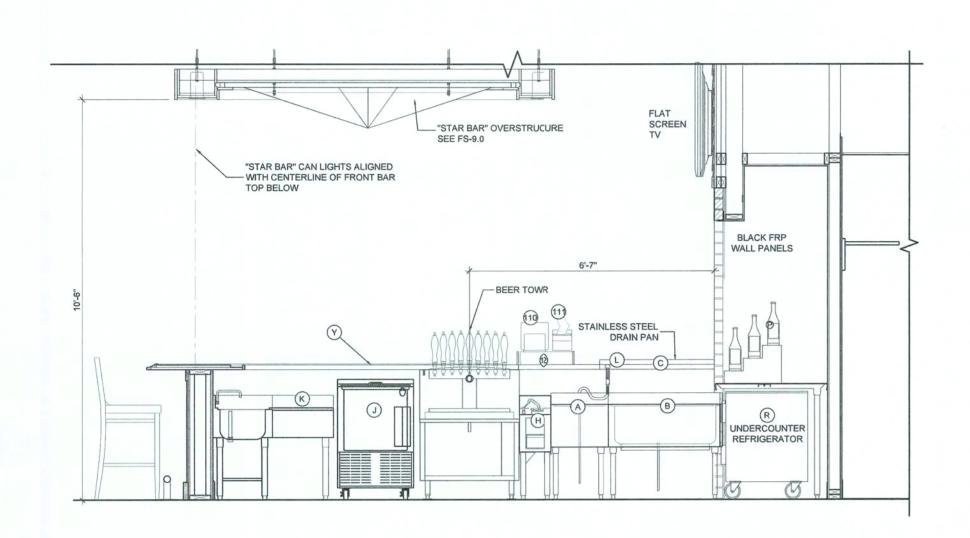
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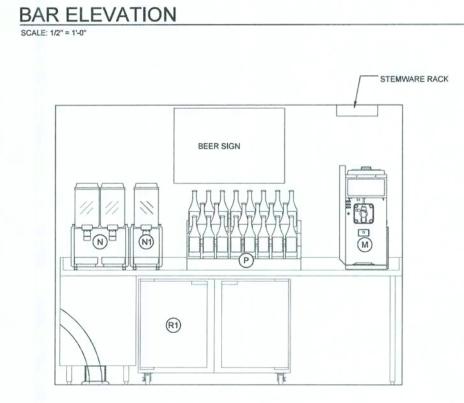
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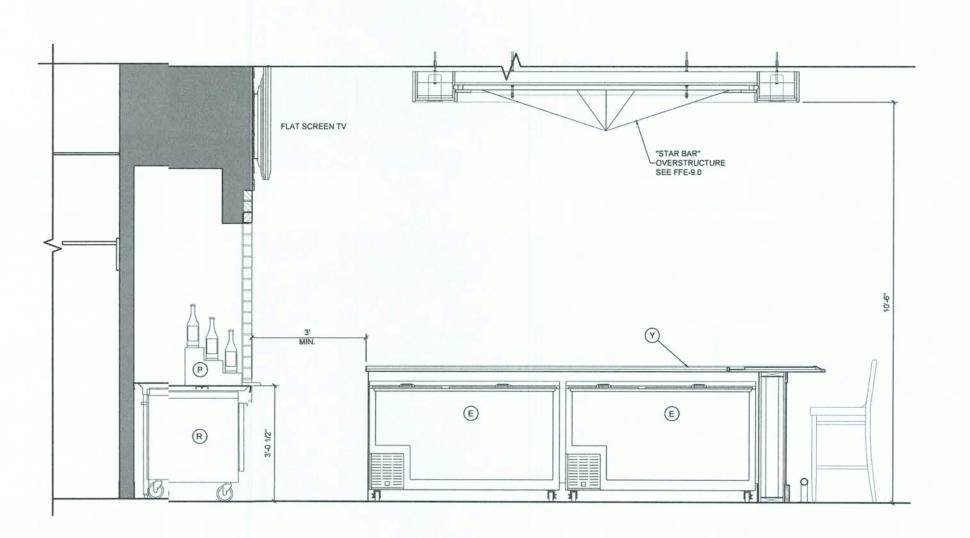
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BAR ELEVATION
SCALE: 1/2" = 1'-0"



BAR EL EVATION

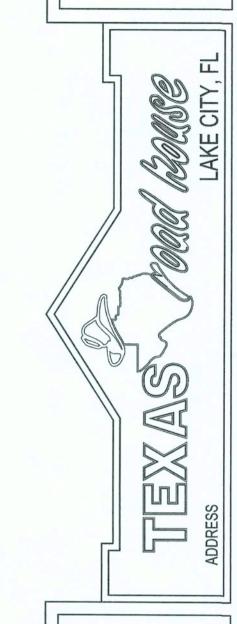
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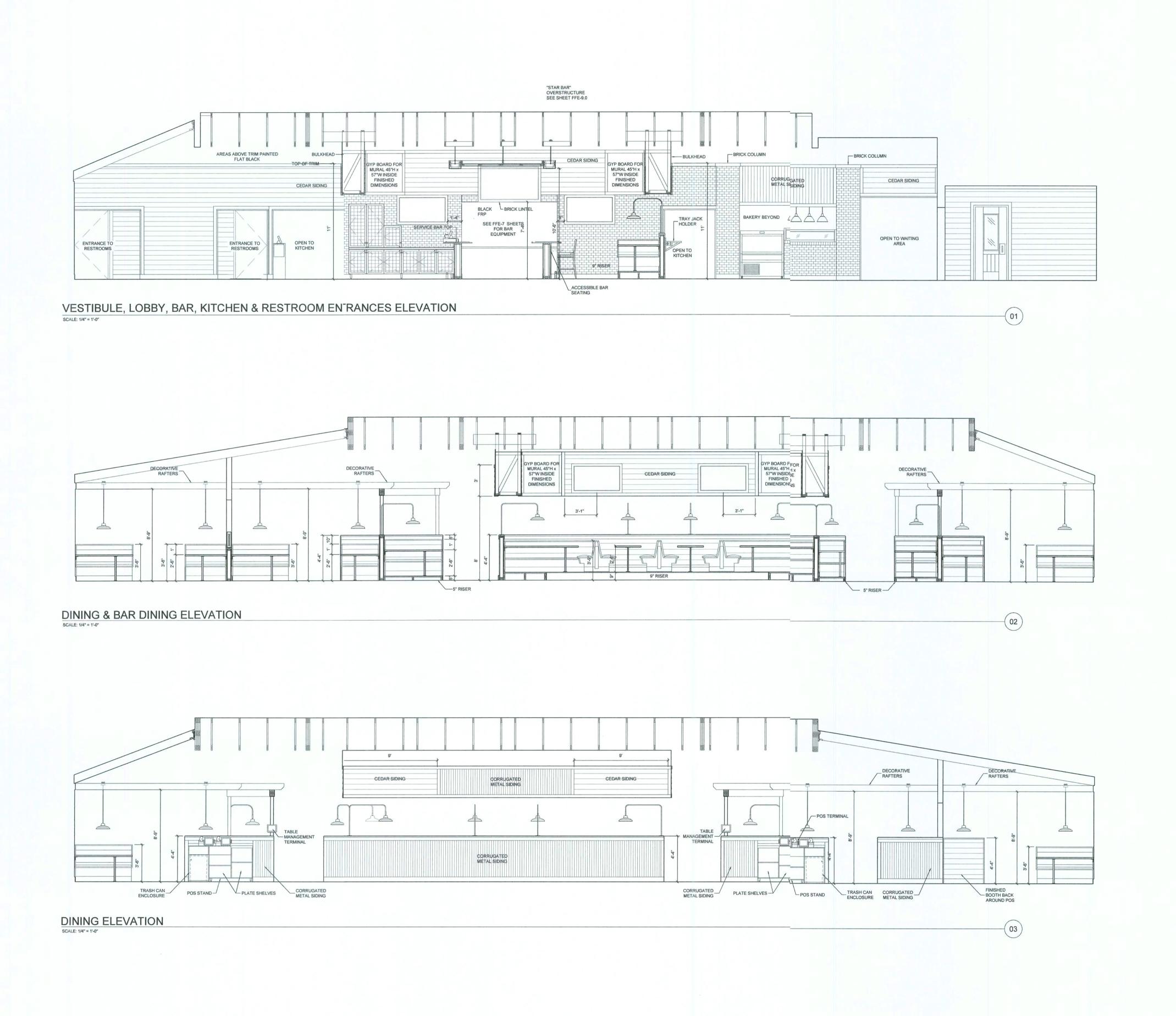
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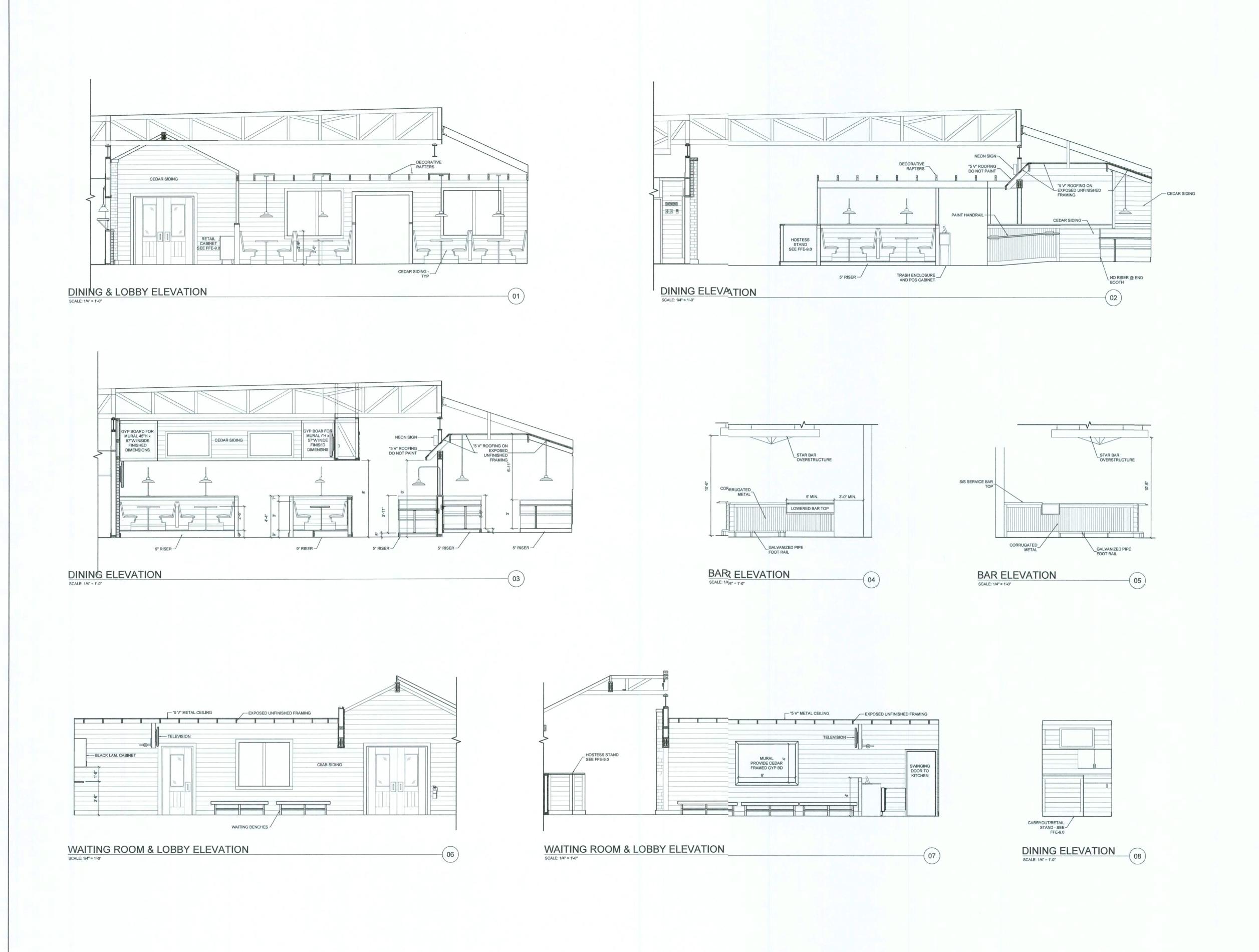
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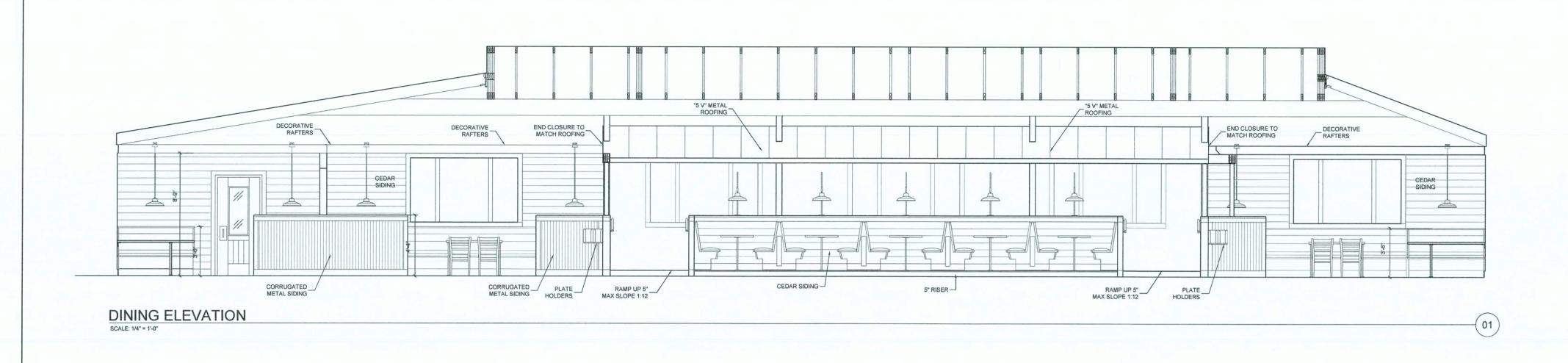
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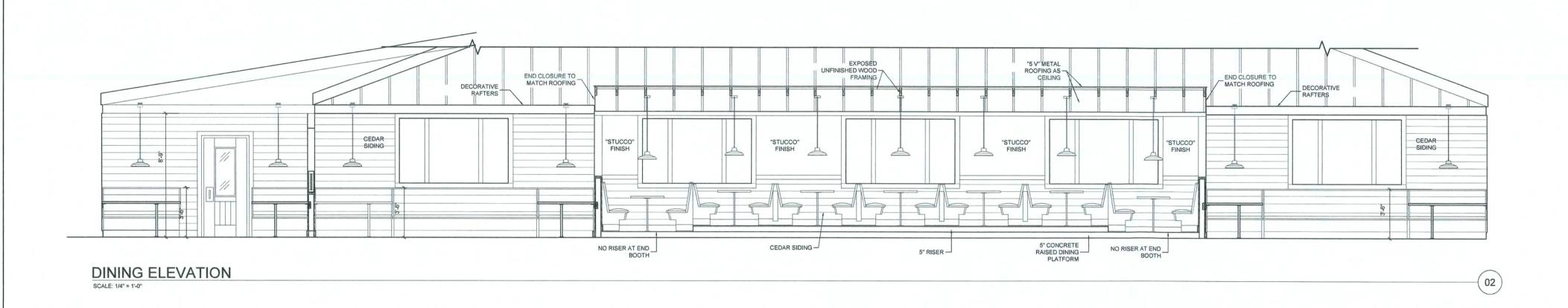
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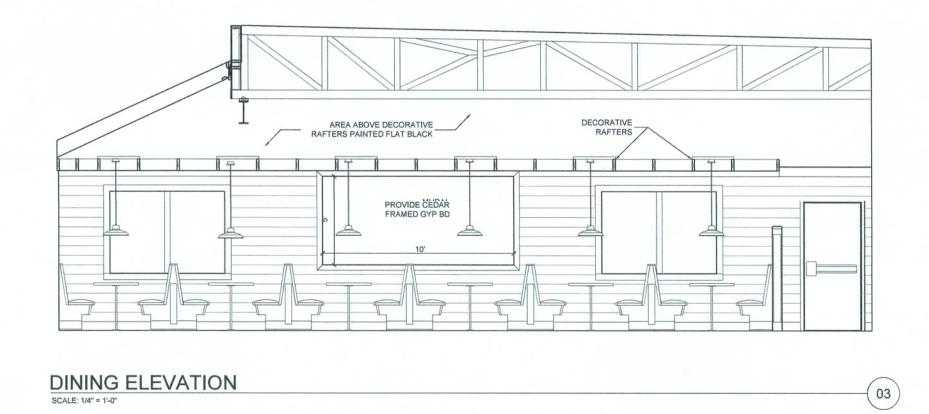
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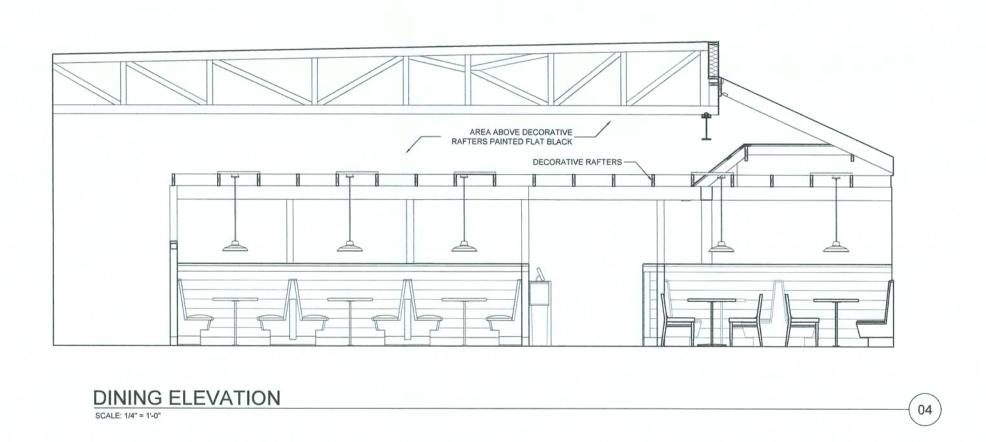
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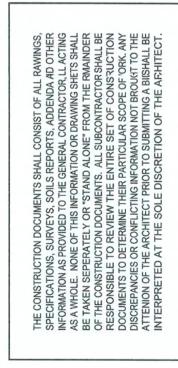
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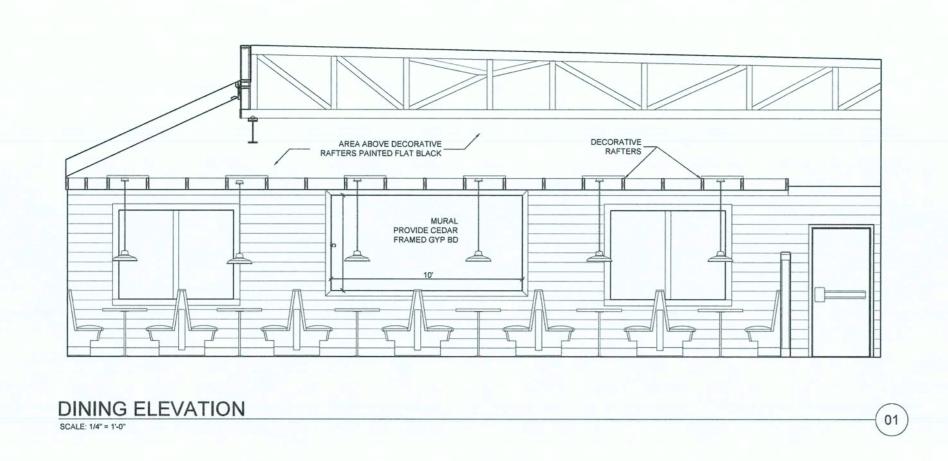


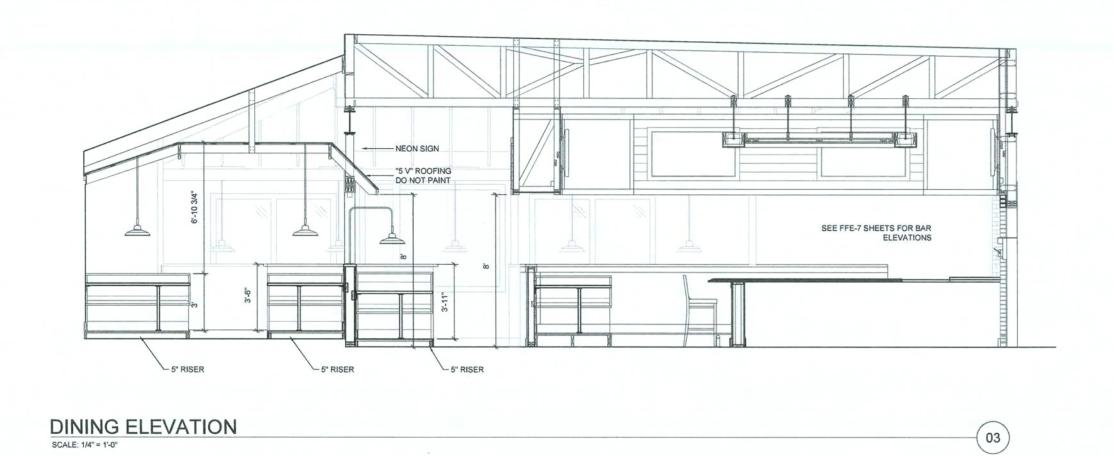
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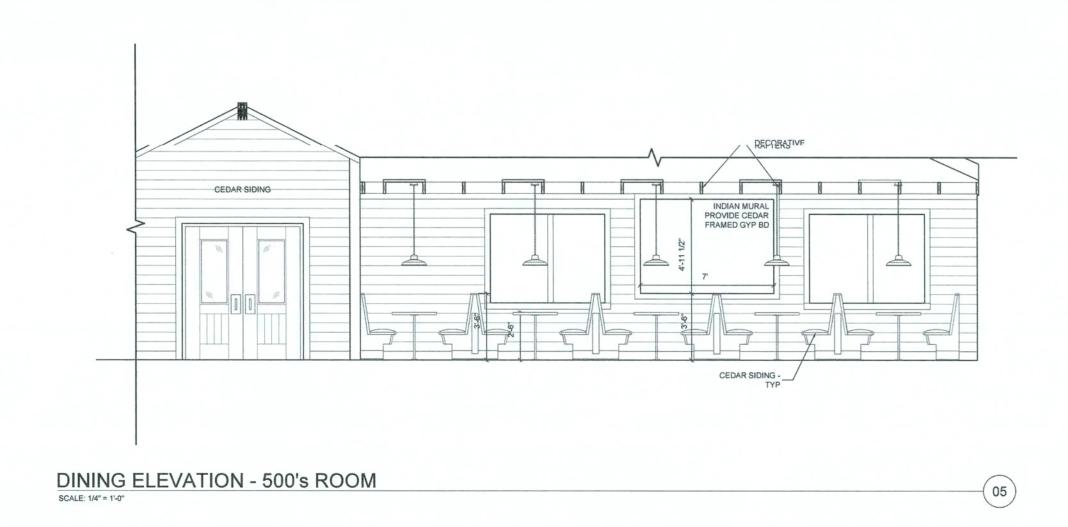
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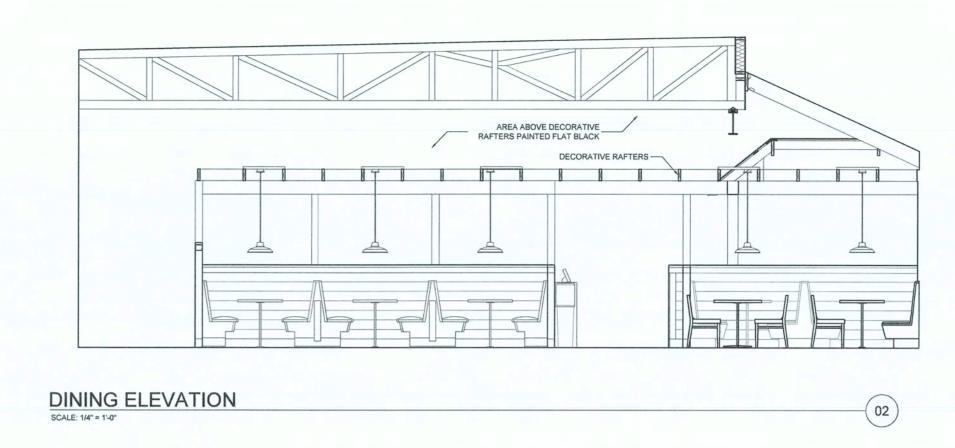
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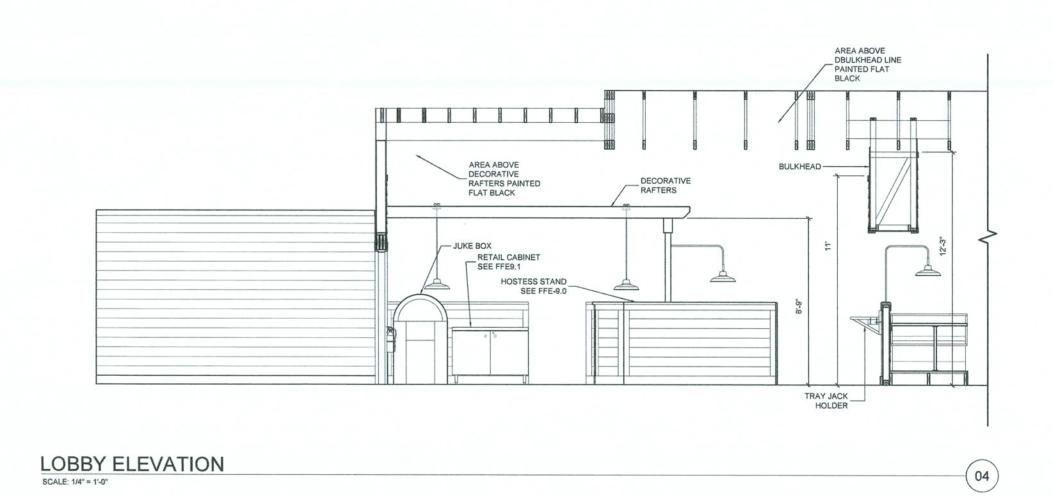
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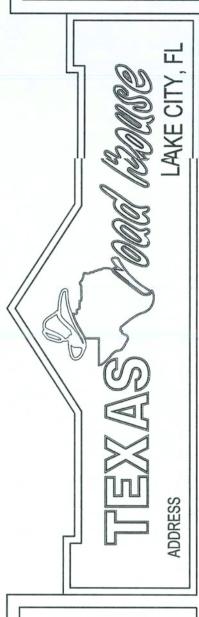






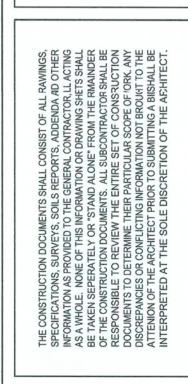
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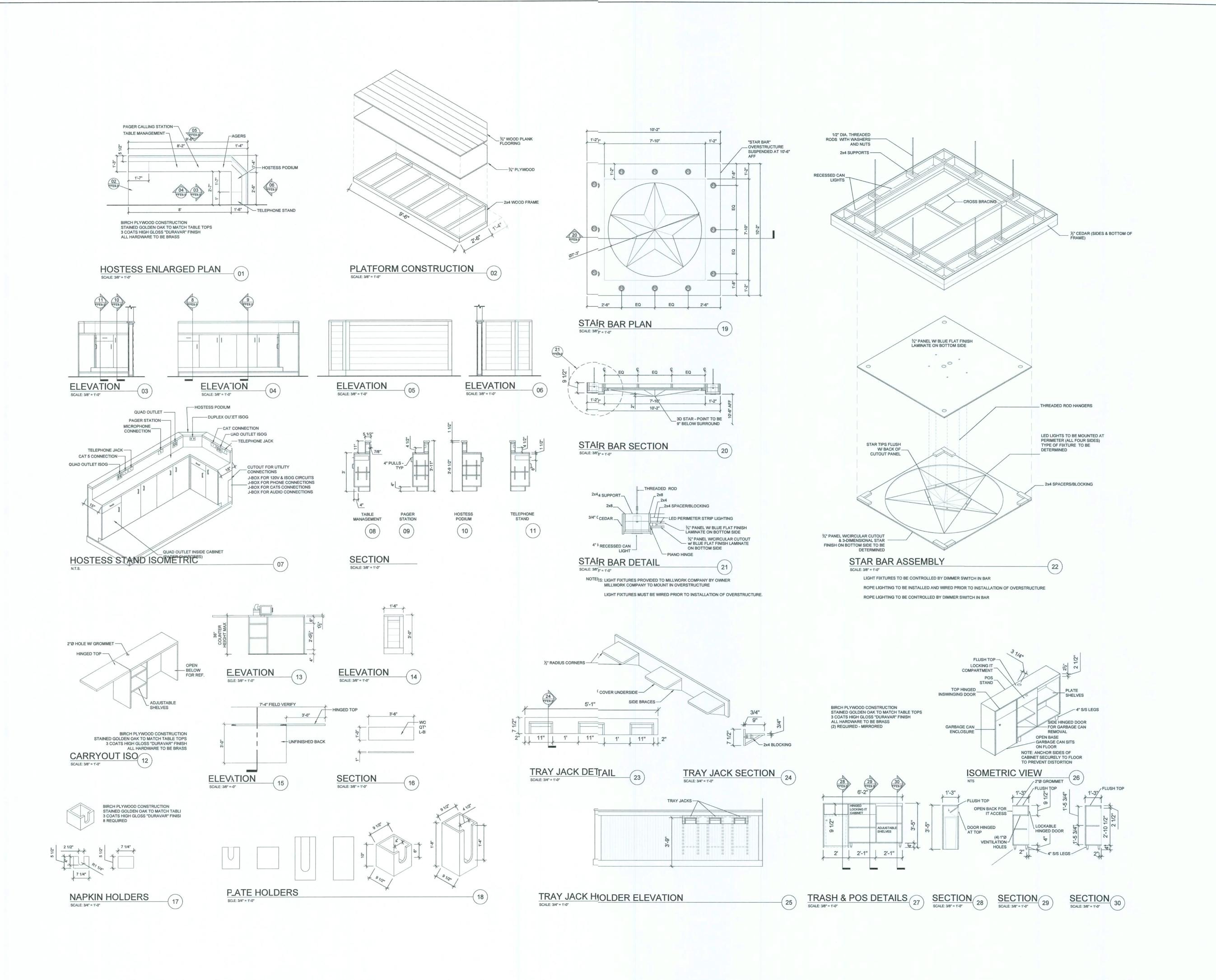


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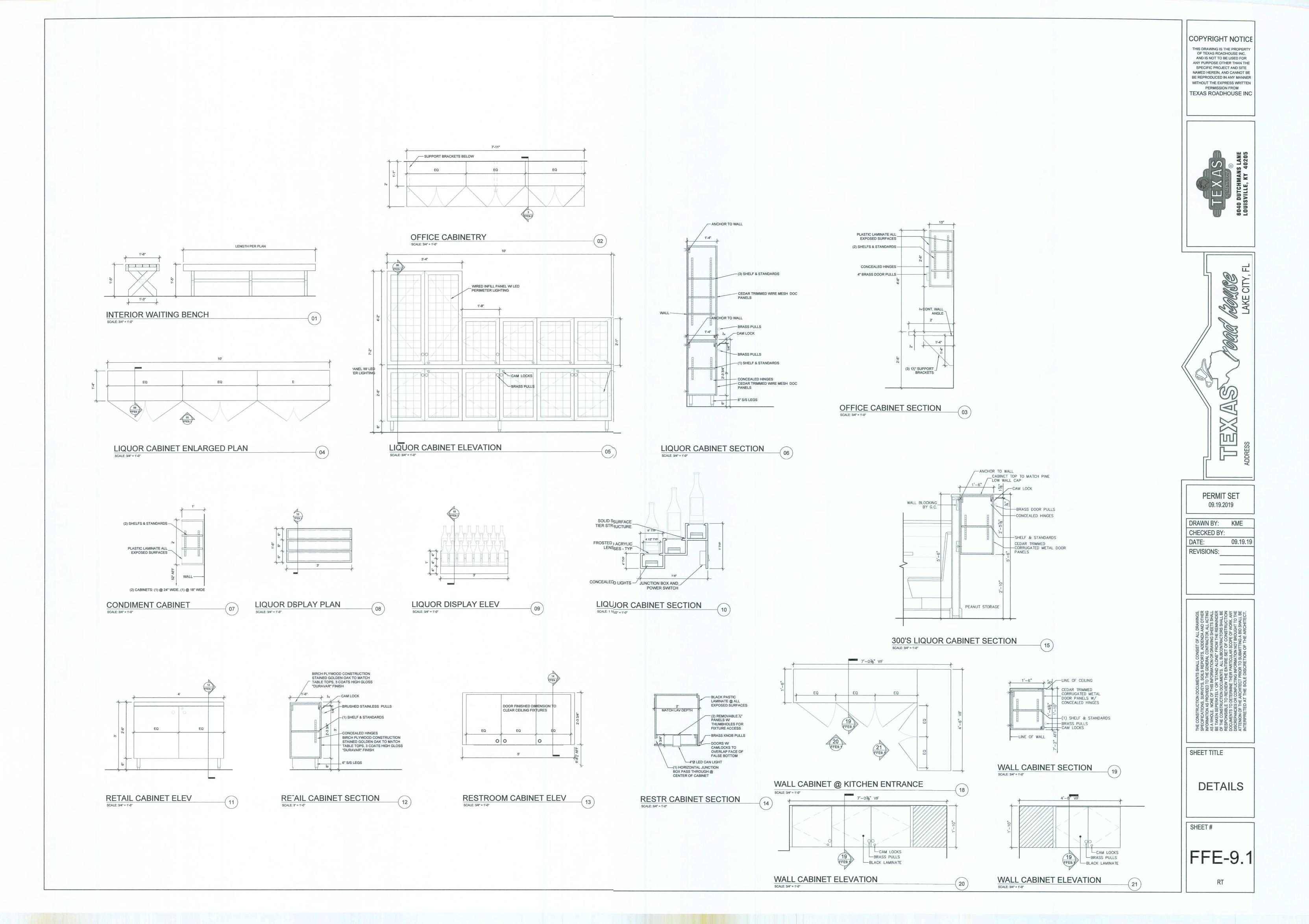
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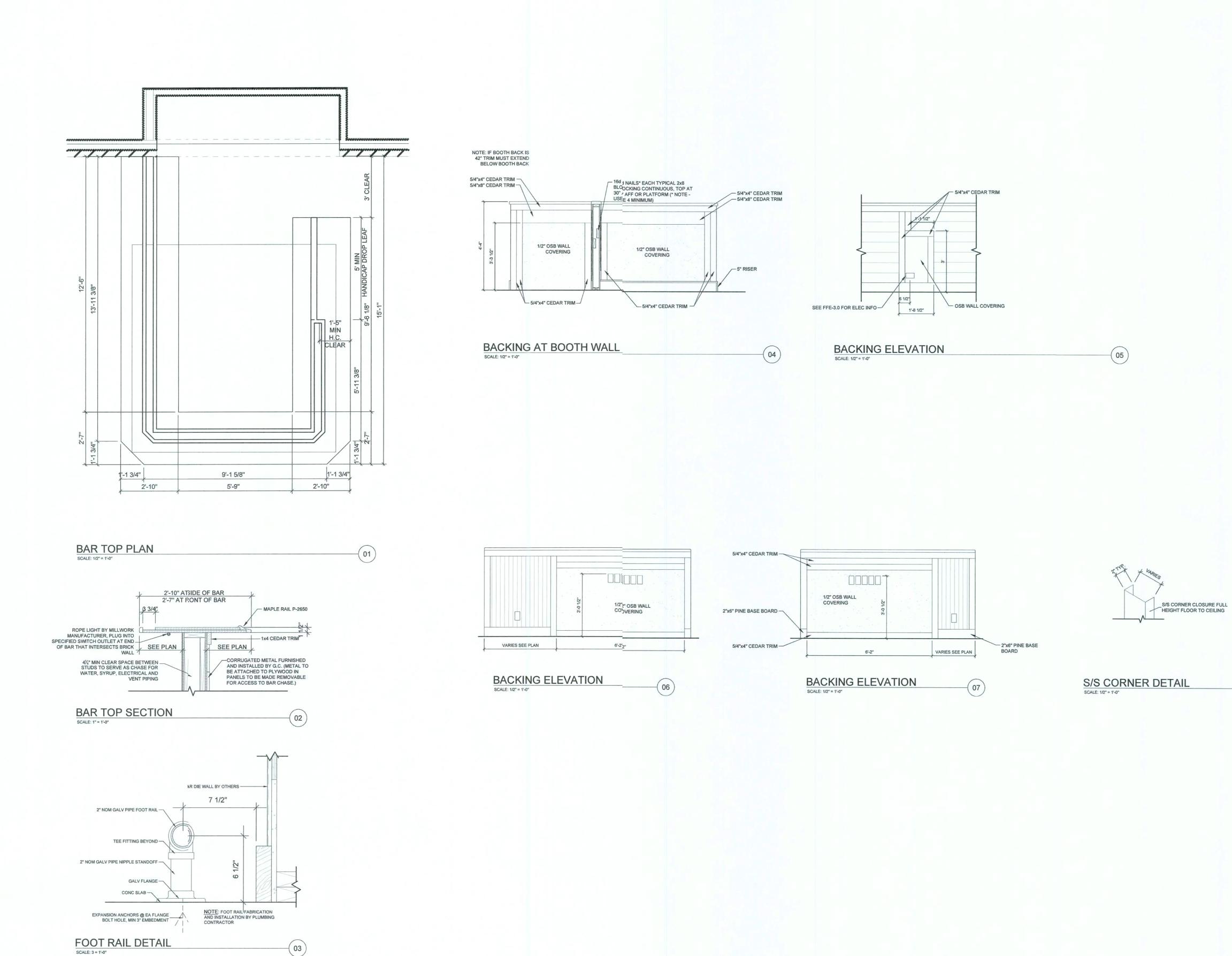
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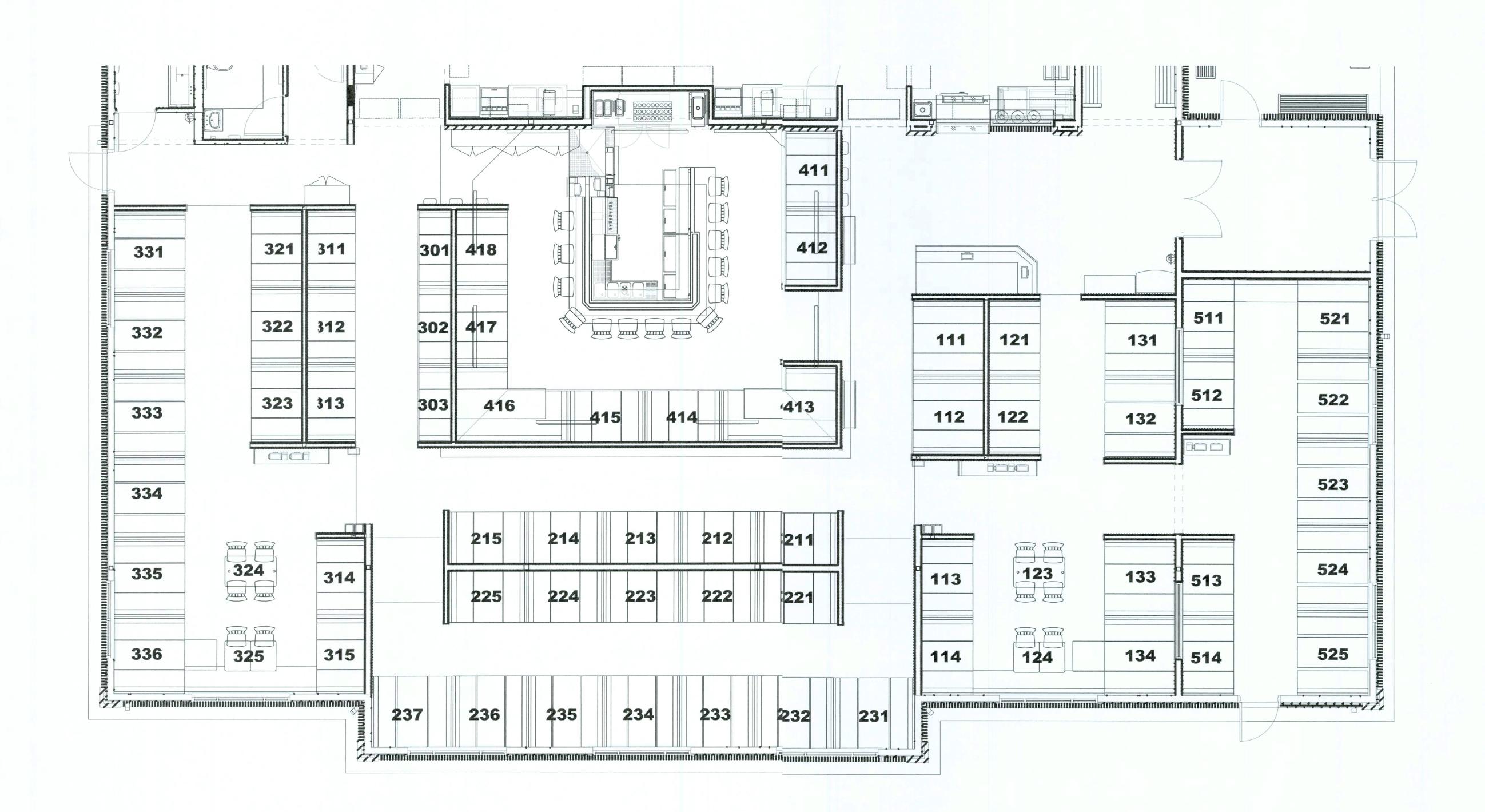
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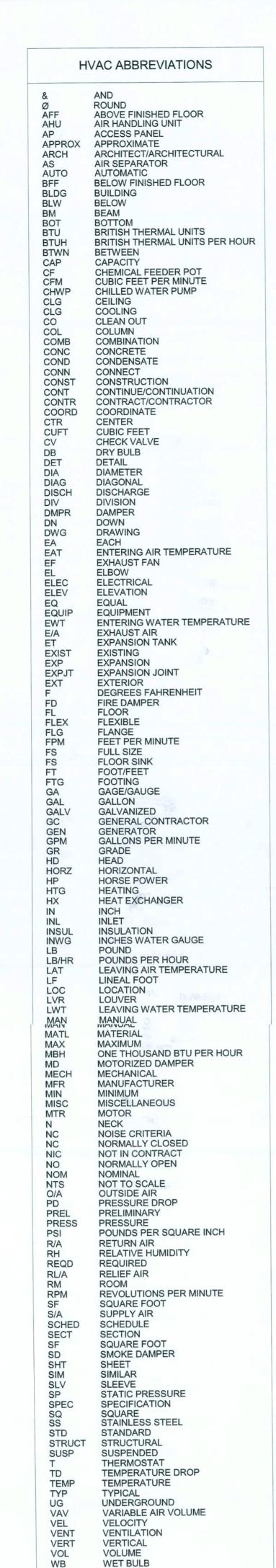
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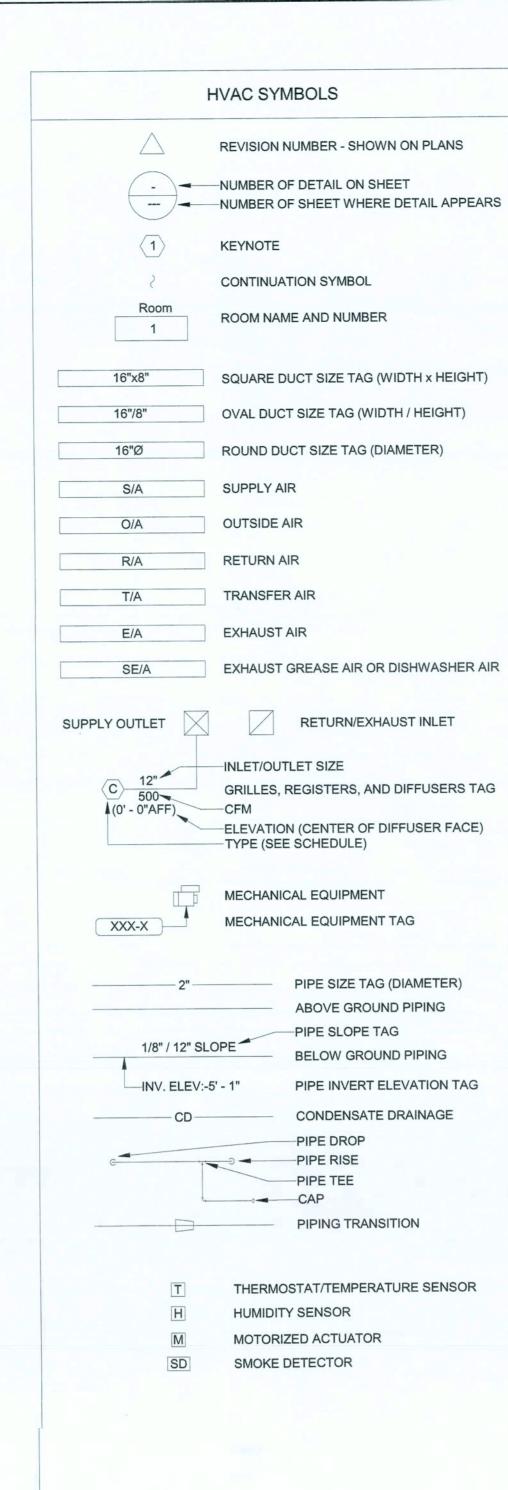
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NO EXCLUSIONS FROM OR LIMITATIONS IN THE LANGUAGE USED IN THE CONTRACT DOCUMENTS SHALL BE INTERPRETED AS MEANING THAT THE EQUIPMENT, APPURTENANCES, AND/OR ACCESSORIES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM ARE NOT TO BE PROVIDED AS REQUIRED. THE SEPARATE DIVISIONAL CONTRACT DOCUMENTS DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY TO PROVIDE THE WORK WHICH IS INDICATED ON ANY OF THE DIVISIONAL CONTRACT DOCUMENTS. REVIEW AND COORDINATE THE SCOPE OF WORK WITH ALL DOCUMENTS AND TRADES TO OR APPROVED EQUAL. PROVIDE 3" THICK WRAP (2 LAYERS). ASSURE A COMPLETE AND FUNCTIONAL SYSTEM IS BID AND INSTALLED. REFER TO HVAC BOOK SPECIFICATIONS FOR MORE PROJECT REQUIREMENTS AND INFORMATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS REQUIRED TO COMMENCE AND COMPLETE HVAC WORK. SUBMIT FULL SUBMITTALS OF ALL HVAC EQUIPMENT AND MATERIALS TO THE ENGINEER FOR REVIEW, THE BOOK SPECIFICATIONS, ONE OF THOSE MANUFACTURERS SHALL BE PROVIDED UNLESS A REQUEST FOR SUBSTITUTION HAS BEEN SUBMITTED PRIOR TO BID AND THE MANUFACTURER SUBSEQUENTLY IS LISTED AS AN ACCEPTABLE MANUFACTURER IN AN ADDENDUM. FOR ALL

WHETHER IT IS EXACTLY AS SPECIFIED OR NOT. WHERE ALTERNATE MANUFACTURERS ARE LISTED IN EQUIPMENT WHICH HAS BEEN SCHEDULED DIRECTLY ON THE DESIGN DRAWINGS, PROVIDE WITHIN THE WHERE INDICATED ON HVAC EQUIPMENT SCHEDULES, EXTERNAL STATIC PRESSURE IS DEFINED AS SUBMITTAL A PERFORMANCE SCHEDULE FOR THE PROPOSED EQUIPMENT IN THE SAME FORMAT AS INCLUDED ON THE DRAWINGS. FAILURE TO PROVIDE REQUIRED PERFORMANCE SCHEDULE WILL RESULT IN REJECTION OF THE ENTIRE SUBMITTAL. BIND COMPLETE SUBMITTALS IN A THREE RING BINDER(S) WITH A TITLE SHEET AND IDENTIFICATION ON

FRONT AND SIDE OF THE BINDER. CONTACT ENGINEER FOR PRIOR APPROVAL TO SUBMIT PDF EMAILED SUBMITTALS. SUBMIT ALL HVAC PRODUCTS SUBMITTALS ALL AT ONE TIME. PARTIAL SUBMITTALS WILL NOT BE ACCEPTED FOR REVIEW AND APPROVAL. INDEX ALL ITEMS AS APPLICABLE. SUBMITTALS THAT DEVIATE FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL LIST ALL DIFFERENCES IN A COVER LETTER ATTACHED TO FRONT OF THE SUBMITTAL. ANY UNLISTED DEVIATIONS FOUND DURING REVIEW WILL RESULT IN THE REJECTION OF THE ENTIRE SUBMITTAL. FOR ITEMS REVIEWED AND MARKED "REJECTED" OR "REVISE AND RESUBMIT", ONLY ONE ADDITIONAL RE-SUBMITTAL WILL BE REVIEWED TO VERIFY PRODUCT COMPLIANCE WITH THE CONTRACT DOCUMENTS. SHOULD FURTHER SUBMITTALS BE REQUIRED BY THE ENGINEER TO VERIFY THE SUBMITTAL WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, THE HOURLY RATE OF \$150.00 WILL BE BILLED TO THE CONTRACTOR FOR MATERIALS. THE ENGINEER'S TIME SPENT ON THE REVIEW.

THE CONTRACT DOCUMENTS AND SUBMITTALS OF ALL TRADES SHALL BE COORDINATED AND BE VIEWED IN CONNECTION AND CONJUNCTION WITH EACH OTHER TO INSURE THE PROPER LOCATION AND INSTALLATION OF ALL DEVICES AND EQUIPMENT. MAKE PARTICULAR NOTE OF LOCATIONS AND DIMENSIONS SHOWN ON THE ARCHITECTURAL FLOOR PLANS AND ELEVATIONS.

HVAC DRAWINGS INDICATE THE SCHEMATIC LAYOUT AND LOCATION OF THE HVAC SYSTEM COMPONENTS. UNLESS SPECIFIC DIMENSIONS ARE NOTED, THE ACTUAL LOCATION OF THESE COMPONENTS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR IN COORDINATION WITH THE WORK OF OTHER TRADES, THE USE OF MANUFACTURER'S SUBMITTALS, AND SIMILAR CERTIFIED DATA. ALL HVAC EQUIPMENT INSTALLED OUTDOORS SHALL BE SECURED TO ITS SUPPORT AS DETAILED BY THE STRUCTURAL ENGINEER FOR THE REQUIRED WIND LOAD DESIGN.

ALL EXPOSED MATERIALS, RTU UNITS, AND REMOTE CONDESING COILS, SHALL BE CONSTRUCTED OF NON-FERROUS MATERIALS AND BE PAINTED WITH SALTWATER PROTECTIVE COATING.

INSTALL AND TEST ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN ADEQUATE SERVICE SPACE AS REQUIRED. SERVICE SPACE SHALL BE CLEAR OF DUCTS, PIPES, CONDUITS, WALL STUDS, CEILING HANGERS, AND ANY OTHER CONSTRUCTION APPURTENANCE.

CONTRACTOR SHALL COORDINATE AND PROVIDE ALL CEILING/FLOOR/WALL ACCESS PANELS THAT MAY BE REQUIRED FOR THE INSTALLATION, INSPECTION, AND SERVICE OF HVAC EQUIPMENT WHETHER OR NOT IT IS SHOWN. ACCESS PANELS TO BE SELECTED BY THE ARCHITECT.

ALL HVAC EQUIPMENT SHALL BE LABELED WITH ENGRAVED, LAMINATED, PLASTIC SIGNS. SIGNS SHALL BE 1/8" THICK AND A MINIMUM OF 1-3/4" HIGH WITH 1" HIGH LETTERS. LENGTH OF THE SIGN SHALL BE THE SUM OF THE LETTERS/NUMBERS PLUS 3/4" ON EACH END. EXTERIOR SIGNS SHALL BE UV RATED, DESIGNATED AND MANUFACTURED TO BE EXPOSED TO THE ELEMENTS.

ALL WALL MOUNTED THERMOSTATS AND SIMILAR SENSORS SHALL BE INSTALLED AT A CENTER LINE ELEVATION OF 4'-O" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS. LOCATION OF DOUBLE GASKETED. ACCESS DOOR SHALL NOT REQUIRE TOOLS TO BE OPENED. THE SENSORS SHALL BE COORDINATED WITH THE OTHER TRADES FOR A NEAT APPEARANCE. FINAL LOCATION OF THE SENSORS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. WHEN INSTALLED ON EXTERIOR WALLS, PROVIDE AN INSULATED SUB-BASE.

AT PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 40 HOURS OF TRAINING ON THE OPERATION AND MAINTENANCE OF THE HVAC EQUIPMENT.

CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON PARTS AND LABOR FROM THE DATE OF SUBSTANTIAL COMPLETION.

SUPPLY, RETURN, TRANSFER, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE GALVANIZED SHEET METAL. SEAL ALL DUCT JOINTS WITH HARDCAST. ALL CONCEALED SUPPLY, RETURN, TRANSFER, AND OUTSIDE AIR DUCTS SHALL BE INSULATED WITH BLANKET TYPE INSULATION WITH VAPOR BARRIER (MINIMUM R = 6.0). ALL EXPOSED RECTANGULAR SUPPLY, RETURN, TRANSFER, AND OUTSIDE AIR DUCTWORK SHALL BE INTERNALLY INSULATED WITH RIGID FIBROUS DUCTBOARD WITH AN EPA LISTED ANTIMICROBIAL COATING (MINIMUM R = 6.0). ALL DUCTWORK INSULATION SHALL BE LABELED AND MARKED AT REQUIRED INTERVALS PER THE FLORIDA BUILDING CODE, SECTION 604. ALL EXPOSED ROUND SUPPLY, RETURN, TRANSFER, AND EXHAUST AIR DUCTWORK SHALL NOT BE INSULATED UNLESS OTHERWISE SPECIFIED.

FLEXIBLE DUCTS SHALL BE FACTORY INSULATED WITH 3/4" THICK GLASS FIBER AND INCLUDE A VINYL VAPOR JACKET AND HELIX STEEL WIRE. "THERMAFLEX" TYPE MAKE OR APPROVED EQUAL. FLEXIBLE DUCT SHALL BE ATTACHED WITH "THERMAFLEX" WRAP LOCK SERIES 0902 CLAMPS. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 6'-O". FLEXIBLE DUCTWORK SHALL NOT BE USED IN EXPOSED

ROOFTOP UNIT NATIONAL ACCOUNT

THE ROOFTOP UNITS SPECIFIED SHALL BE PURCHASED THROUGH TRANE/HARSHAW TRANE NATIONAL ACCOUNTS BY OWNER. THE SUCCESSFUL CONTRACTOR SHALL CONTRACT TRANE /HARSHAW TRANE NATIONAL ACCOUNTS FOR DELIVERY INFORMATION. FOR DELIVERY INFORMATION, CONTACT JIM AIGNER @ (502)-499-7000, FAX (502)499-7870 E-MAIL JRAIGNER@TRANE.COM

YES NO **HVAC DESIGN REQUIRES** X DUCT SMOKE DETECTOR FIRE DAMPER(S) X SMOKE DAMPER(S) FIRE RATED ENCLOSURE FIRE RATED ROOF/FLOO CEILING ASSEMBLY X FIRE STOPPING

HVAC LEGENDS AND NOTES

LEVEL 1 HVAC PLAN

ROOF HVAC PLAN

HVAC DETAILS HVAC SCHEDULES Sheet List - Mechanical

SMOKE CONTROL

HVAC GENERAL NOTES

KITCHEN HOOD AND ASSOCIATED EXHAUST DUCTWORK SHALL BE FABRICATED AND INSTALLED IN FULL COMPLIANCE WITH THE REQUIREMENTS OF NFPA-96 AND THE FLORIDA BUILDING CODE, INCLUDING CLEARANCES FROM COMBUSTIBLE SURFACES, FIRE PROTECTION, AND LOCAL CODE REQUIREMENTS. EXHAUST GREASE DUCTWORK TO BE FULLY WELDED STAINLESS STEEL. ENCAPSULATE DUCT IN 3M FIRE BARRIER 15A DUCT WRAP (UL 1978, ASTME E119 AND NFPA 96 RATED FOR 2 HOUR PROTECTION),

DISHWASHER DUCTWORK TO BE FULLY WELDED STAINLESS STEEL, WITH NO LOCATIONS CONSTRUCTED THAT PREVENT MOISTURE COLLECTED ON THE INSIDE OF THE DUCT FROM DRAINING BACK TO THE DISHWASHER.

ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF "SMACNA" DUCT CONSTRUCTION STANDARDS. ALL DUCTWORK SHALL BE LEAK TESTED IN ACCORDANCE WITH SMACNA AND ASHRAE STANDARDS, AND BE WITNESSED BY THE TEST AND BALANCE AGENCY. DUCTS WITH A LEAKAGE RATE MORE THAN 2% WILL BE REJECTED. PROVIDE LEAKAGE TEST RESULTS TO ENGINEER. FABRICATE AND SEAL DUCTWORK TO THE 2" W.G. PRESSURE CLASS AND SEAL TO SEAL CLASS C.

NOT INCLUDING LOSSES DUE TO UNIT MOUNTED FILTERS OR MIXING BOXES. THOSE LOSES SHALL BE PART OF THE EQUIPMENT INTERNAL LOSSES, SAME AS THOSE CAUSED BY COILS, CABINET, ETC.

ALL NEW DUCTWORK SHALL NOT BE STORED IN UNCLEAN AREAS. PROTECT ALL DUCTWORK FROM DUST AND DEBRIS WHILE IT IS STORED ON SITE. WHILE UNDER CONSTRUCTION, ALL INSTALLED DUCTWORK SHALL BE TEMPORARILY SEALED WITH VISQUEEN PRIOR TO TEST AND BALANCE IN ORDER TO LIMIT ACCUMULATION OF CONSTRUCTION DUST INSIDE DUCTWORK SYSTEM. IF EITHER OF THESE PROCEDURES IS NOT CONDUCTED, THE ENTIRE ASSOCIATED DUCTWORK SYSTEM AND HVAC EQUIPMENT SHALL BE CLEANED TO THE ENGINEER'S SATISFACTION.

WHERE THE CEILING SPACE IS USED AS A RETURN AIR PLENUM, ALL ELECTRICAL WORK IN THAT SPACE SHALL COMPLY WITH THE REQUIREMENTS OF NFPA-70 (NEC) AS IT RELATES TO THAT APPLICATION. EXPOSED WIRE SHALL BE PLENUM RATED. THE USE OF PVC WITHIN THE PLENUM IS STRICTLY PROHIBITED. COORDINATE WITH OTHER INSTALLERS TO PREVENT THE INSTALLATION OF PROHIBITED ALL DUCTWORK ELBOWS SHALL INCLUDE AIR FLOW DIRECTIONAL VANES AS PER "SMACNA" DUCT

CONSTRUCTION STANDARDS. SPLITTER VANES SHALL BE PROVIDED IN ALL ELBOWS AND DUCT OFFSETS WITH ANGLES BETWEEN 15 DEGREE AND 90 DEGREES AS PER FIG. 2-5 OF THE SMACNA MANUAL 90 DEGREE ELBOWS SHALL HAVE TURNING VANES.

PROVIDE CONICAL SPIN-IN FITTINGS AT ALL CONNECTIONS OF ROUND SHEET METAL OR FLEXIBLE SUPPLY AIR DUCTS TO RIGID RECTANGULAR DUCT.

DUCTWORK, AIR DEVICES, AND OTHER ITEMS OF THE AIR DISTRIBUTION SYSTEM SHALL BE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE AND NOT FROM THE CEILING OR CEILING SUSPENSION SYSTEM. AIR DEVICES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE FROM AT LEAST TWO POINTS. COORDINATE LOCATION OF AIR DEVICES, WALLCAPS, ROOFCAPS, AND LOUVERS WITH ALL OTHER TRADES.

ALL BALANCING DAMPERS SHALL BE OPPOSED BLADE TYPE. PROVIDE A ONE FOOT LONG PLASTIC STRIP OF MATERIAL FROM ALL DAMPER HANDLES TO ASSIST TEST AND BALANCE AGENCY IN IDENTIFYING ALL DAMPERS. REMOVE MATERIAL FROM EXPOSED DAMPERS AFTER SUBSTANTIAL COMPLETION.

IN AREAS WHERE THE BALANCING DAMPER INSTALLATION PROHIBITS ACCESS FOR TEST AND BALANCE, PROVIDE MANUAL REMOTE CABLE CONTROL EQUAL TO YOUNG REGULATOR MODEL 830ACC/270-896. ACCESS TO END OF CABLE TO BE FLUSH IN CEILING NEATLY CONCEALED WITH THREADED CAP. PAINT CAP TO MATCH CEILING COLOR. INDICATE LOCATIONS OF ALL CAPS IN A FLOOR PLAN INCLUDED IN THE SUBMITTALS AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO INSTALLATION.

CONTRACTOR SHALL TEST ALL DUCT MOUNTED SMOKE DETECTORS, AIR HANDLING UNIT AND EXHAUST FAN INTERLOCKS AND FIRE ALARM CONNECTIONS AND REPORT ANY DEFICIENCIES TO OWNER. RETEST AS REQUIRED UNTIL ALL ARE FUNCTIONAL.

CONTRACTOR SHALL COORDINATE AND PROVIDE ALL DUCTWORK ACCESS PANELS THAT MAY BE REQUIRED FOR THE INSTALLATION, INSPECTION, AND SERVICE OF HVAC DAMPERS, SENSORS, ETC., WHETHER OR NOT IT IS SHOWN. DUCT ACCESS DOORS SHALL BE MINIMUM 12" X 12" INSULATED AND

PROVIDE FLEXIBLE CONNECTIONS BETWEEN ALL AIR MOVING APPARATUS AND DUCTWORK RECOMMENDED WIDTH IS 4".

PROVIDE P-TRAPS AT ALL CONDENSATE DRAIN LINE CONNECTIONS. SLOPE DRAIN LINES TOWARD THE POINT OF DISCHARGE (MIN 1/8"/FOOT). INSULATE CONDENSATE DRAIN LINES WITH 1" THICK SEAMLESS CLOSED CELL UV RESISTANT RUBBER PIPE INSULATION. CONDENSATE DRAIN LINES TO BE COPPER. LINES SHALL BE ONE DIAMETER LARGER THAN THE UNIT DRAIN CONNECTION, BUT NOT LESS THAN 3/4 INCH. PROVIDE CLEANOUTS AT ALL CHANGES OF DIRECTION.

THE OWNER SHALL RETAIN THE SERVICES OF A COMMISSIONING AGENT TO PROVIDE COMMISSIONING IN ACCORDANCE WITH FBC SECTION C408.

MARSHALL'S RULE 69A3.012 F.A.C.:

THE FOLLOWING IS A LIST OF ALL CODES ADOPTED DECEMBER 31, 2017 BY THE STATE FIRE

HVAC CODE CRITERIA

* FLORIDA BUILDING CODE 6TH EDITION (2017) - ALL SECTIONS * FLORIDA ENERGY EFFICIENCY CODE (FBC 2017), FLORIDA ENERGY CODE SOFTWARE: **ENERGYGAUGE USA VERSION 6.00** * FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017)

69A-3.012 STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION ADOPTED. (1) EXCEPT AS SPECIFICALLY MODIFIED BY STATUTE OR BY THE STATE FIRE MARSHAL'S RULES, THE "FLORIDA FIRE PREVENTION CODE, 6TH EDITION (2017)," WHICH IS COMPRISED OF THE FLORIDA SPECIFIC EDITION OF NFPA 101, THE LIFE SAFETY CODE (2015 EDITION) AND THE FLORIDA SPECIFIC EDITION OF NFPA 1, THE FIRE CODE (2015 EDITION), ARE HEREBY ADOPTED AND INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THOSE BUILDINGS AND STRUCTURES SPECIFIED IN PARAGRAPHS (A) AND (B) OF SUBSECTION (1) OF SECTION 633.206, F.S. IN ADDITION, THE FOLLOWING STANDARDS, EXCEPT AS SPECIFICALLY MODIFIED IN THE RULE CHAPTERS IN RULE TITLE 69A, ARE HEREBY ADOPTED AND INCORPORATED BY REFERENCE AND SHALL TAKE EFFECT ON THE EFFECTIVE DATE OF THIS RULE, AS A PART OF THE UNIFORM FIRE SAFETY STANDARDS ADOPTED BY RULE BY THE STATE FIRE MARSHAL AND ARE APPLICABLE TO THOSE BUILDINGS AND STRUCTURES SPECIFIED IN PARAGRAPHS (A) AND (B) OF SUBSECTION (1) OF SECTION 633.206, F.S.:

NFPA 13, 2013 EDITION, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS NFPA 70, 2014 EDITION, NATIONAL ELECTRIC CODE

NFPA 72, 2013 EDITION, NATIONAL FIRE ALARM AND SIGNALING CODE NFPA 90A, 2015 EDITION, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND

VENTILATING SYSTEMS NFPA 90B, 2015 EDITION, STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND

AIR-CONDITONING SYSTEMS NFPA 96, 2014 EDITION, STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS

AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS, INC. (ASHRAE) (INCLUDING ALL APPROVED ADDENDUM):

ASHRAE FUNDAMENTALS 2017 * ASHRAE GUIDELINE 4-2008, PREPARATION OF OPERATING AND MAINTENANCE DOCUMENTATION

* ASHRAE GUIDELINE 11-2009, FIELD TESTING OF HVAC CONTROL COMPONENTS * ASHRAE STANDARD 55-2013, THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY

ASHRAE STANDARD 62.1-2016, VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY ASHRAE STANDARD 90.1-2013, ENERGY EFFICIENT DESIGN OF NEW BUILDINGS EXCEPT LOW-RISE

ASHRAE STANDARD 111-2008, MEASUREMENT, TESTING, ADJUSTING AND BALANCING OF BUILDING HEATING, VENTILATION AND AIR-CONDITIONING SYSTEMS

ASHRAE STANDARD 126-2016. METHODS OF TESTING HVAC AIR DUCTS ASHRAE STANDARD 152-2014, VENTILATION FOR COMMERCIAL COOKING OPERATIONS

SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) (INCLUDING

ALL APPROVED ADDENDUM): * HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, 3RD EDITION, 2005

 * HVAC SYSTEM DUCT DESIGN, 4TH EDITION, 2006 * HVAC AIR DUCT LEAKAGE TEST MANUAL, 2ND EDITION, 2012

LOCAL CODES AND ORDINANCES

NOTE: TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THESE HVAC DESIGN DRAWINGS COMPLY WITH THE ABOVE CODE CRITERIA. WHEN TWO OR MORE CODES OR STANDARDS ARE IN CONFLICT, THE MORE STRINGENT SHALL APPLY.

PROJECT LOCATION		LAKE CITY, FLORIDA
OUTDOOR SUMMER TEMP (DB/WB)	DEG F/DEG F	93.8/75.9
OUTDOOR WINTER TEMP (DB)	DEG F	29.6
NDOOR SUMMER TEMP (DB/WB)	DEG F/DEG F	75.0/62.6
NDOOR WINTER TEMP (DB)	DEG F	70.0
LOOR INSULATION	R-VALUE	R-0
VALL INSULATION (TOTAL)	R-VALUE	R-21
ROOF INSULATION (TOTAL)	R-VALUE	R-20
WINDOW GLASS TYPE	U-VALUE, SHADE COEF	U-0.5, SC-0.5

TAG	AREA	NUMBER OF	OUTSIDE AIR	OUTSIDE AIR	EXHAUST AIR
	(SQ FT)	PEOPLE	REQUIRED (CFM)	PROVIDED (CFM)	PROVIDED (CFM
RTU-1	1,147	73	668	900	-
RTU-2	1,658	112	1,205	1,400	-
RTU-3	2,089	112	1,366	1,400	-
RTU-4	-	-	-	6,000	-
RTU-5	1,831	19	356	1,400	-
EF-1	-	-	-	-	1,840
EF-2	-	-	-	-	1,875
EF-3	-	-	-	•	1,596
EF-4		-	-	-	1,596
EF-5	-	-	-	-	1,288
EF-6	-	-	-	-	1,288
EF-7	-	-	-	-	1,000
EF-8	-	-	-	-	525
TOTAL AIR BAL	ANCE			11,100	11,008

1. CONTRACTOR SHALL CONFIRM THE ABOVE INSULATION VALUES WITH THE ARCHITECT, BUILDING ENVELOP SUBMITTALS, AND ENERGY CALCULATIONS PRIOR TO THE START OF CONSTRUCTION. MECHANICAL SUBMITTALS SHALL INCLUDE A CONFIRMATION LETTER STATING THEIR

AIR CONDITIONING LOAD CALCULATIONS ARE ATTACHED TO THE ENERGY EFFICIENCY CODE

THE REQUIRED OUTSIDE AIR DOCUMENTED IN THE CALCULATION SUMMARY ABOVE IS BASED ON CALCULATIONS RESULTING FROM ASHRAE STANDARD 62.1-2013. THESE CALCULATIONS ARE ATTACHED TO THE ENERGY EFFICIENCY CODE FORMS.

> APPROVED (Subject to Revisions) Life Safety Services Columbia County Fire Rescue Florida State Fire inspector # 136416

92 CFM POSITIVE

400 N. Ashley Dr.,

Ste. 600

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9942 CURRIE DAVIS DR. STE H., TAMPA, FL 33619 (813) 995-0300 FLORIDA EB# 0027845 TEL (813) 995-0300 WWW.EMERALDMEP.COM

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MICHAEL A. COSTELLO

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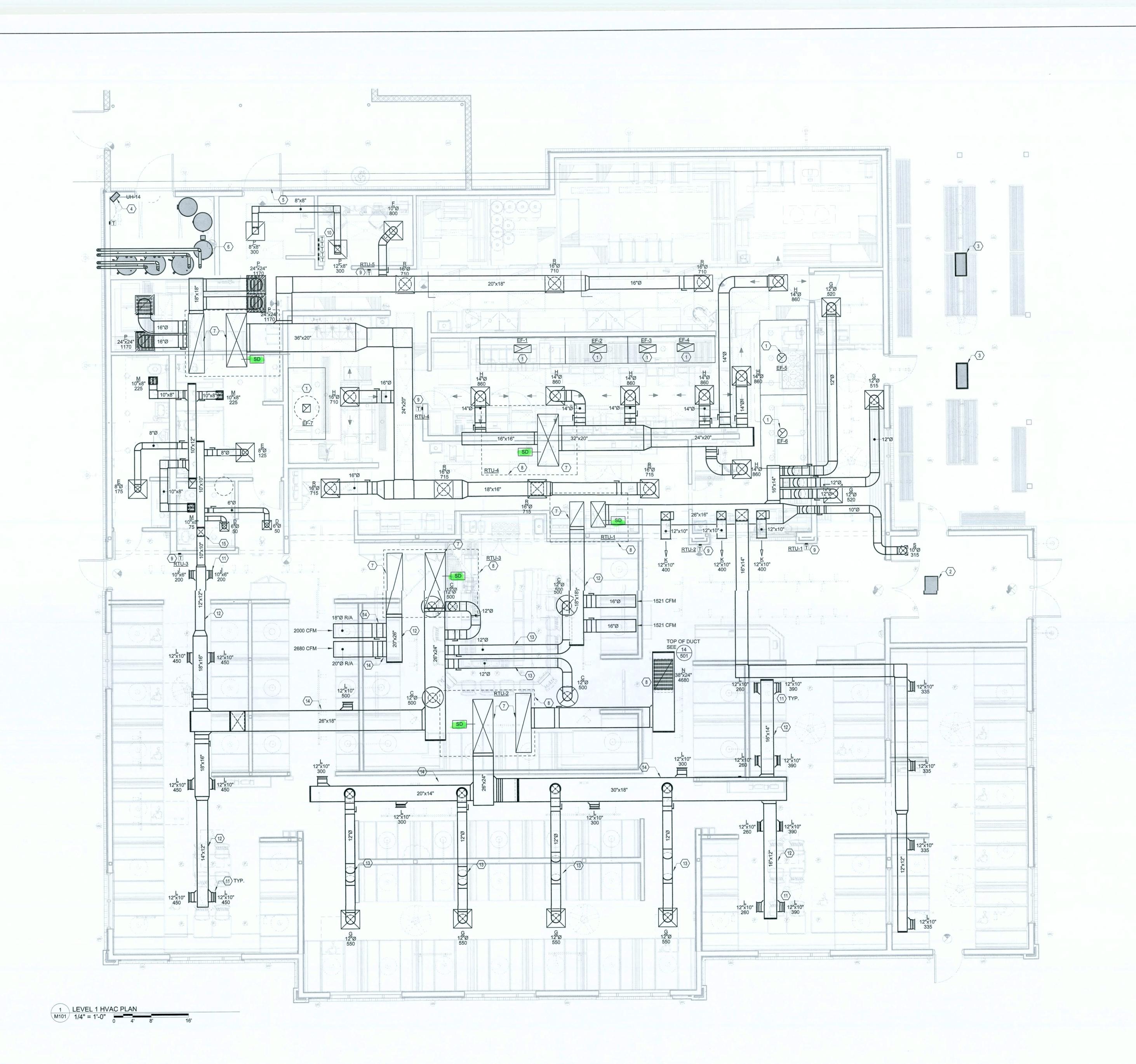
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DATE: 09/19/2019 DRAWN BY CHECKED BY

SHEET TITLE HVAC LEGENDS

AND NOTES

SHEET NUMBER



KEYNOTES

- . KITCHEN HOOD . INSTALL HOODS IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. SUSPEND FROM STRUCTURE AS REQUIRED BY STRUCTURAL ENGINEERS & HOOD EQUIPMENT SUPPLIER INSTALLATION WITH STRUCTURAL CONDITIONS PRIOR ROUGH-IN- REFER TO HOOD DRAWINGS.
- . FAN-FORCED MOUNTED CEILING HEATER, FURNISHED BY OWNER. INSTALLED BY ELECTRICAL CONTRACTOR
- 3. FAN-FORCED SURFACE MOUNTED CEILING HEATER, FURNISHED BY OWNER. INSTALLED BY ELECTRICAL
- 4. UNIT HEATER.

CONTRACTOR

- 5. INSTALLED OWNER FURNISHED FLY FAN.
- 6. WATER HEATER CONCENTRIC VENTS, SEE DETAILS.
- 7. COORDINATE DUCT PENETRATION THROUGH TRUSSES WITH TRUSS MANUFACTURER.
- B. ROOFTOP UNIT LOCATED ON ROOF, REFER TO MECHANICAL ROOF PLAN. SEE DETAIL 10/M501.
- . THERMOSTAT REMOTE SENSOR FOR RTU DESIGNATED. INTERLOCK WITH CORRESPONDING THERMOSTAT IN OFFICE. MOUNT ON WALL @ 66" A.F.F.
- ROOFTOP UNIT AND UNIT HEATER THERMOSTATS INTERLOCKED WITH CORRESPONDING REMOTE SENSOR. MOUNT ON WALL @ 66" A.F.F.
- 11. REFER TO DIFFUSER MOUNTING DETAIL 15/M501.
- 12. DUCT TO RUN BELOW TRUSSES AND ABOVE TRELLIS. 13. NO FLEXIBLE DUCTWORK ALLOWED FOR EXPOSED DUCT.
- 14. DUCTWORK EXPOSED, HOLD AS HIGH AS POSSIBLE. COORDINATE WITH STRUCTURE.
- 15. DUCT TO RUN ABOVE BATHROOM CEILING AND ELBOW DOWN ONLY AFTER PENETRATING WALL.

architects

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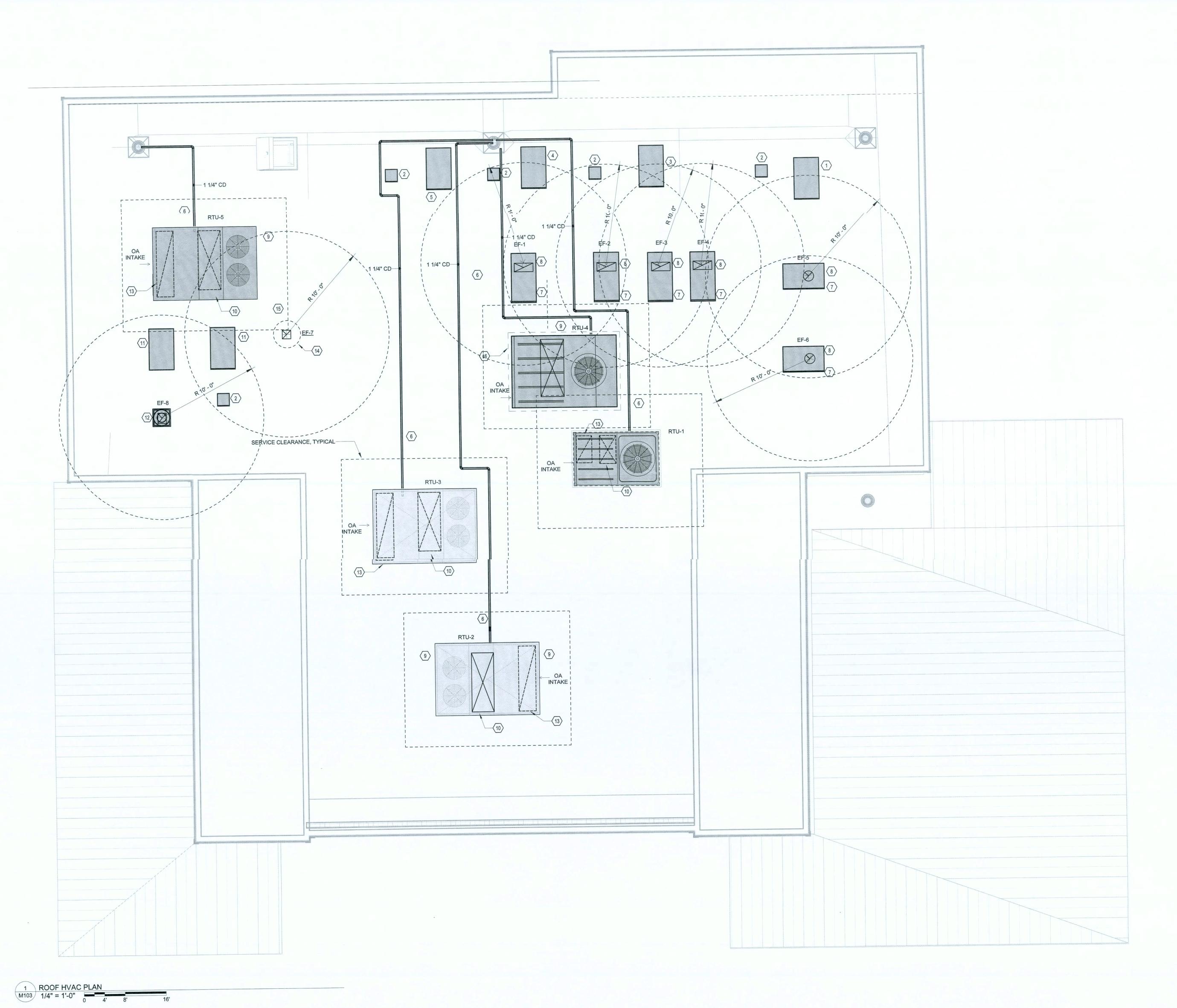
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PROJECT INFORMATION BLOCK 188014 09/19/2019 DRAWN BY:

CHECKED BY: SHEET TITLE

LEVEL 1 HVAC PLAN

SHEET NUMBER



CONDENSING UNIT FOR MEAT COOLER, FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER. PROVIDE SEACOAST COATING ON CONDENSER COIL IN FIELD.

- PROVIDE REFRIGERANT PIPE GOOSENECK. COORDINATE WITH ROOFING AND REFRIGERATION CONTRACTORS.
- 3. CONDENSING UNIT FOR WALK-IN FREEZER, FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER. PROVIDE SEACOAST COATING IN FIELD.
- 4. CONDENSING UNIT FOR BEER COOLER, FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER. PROVIDE SEACOAST COATING IN FIELD.
- CONDENSING UNIT FOR WALK-IN FREEZER, FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER. PROVIDE SEACOAST COATING IN FIELD.
- 6. ROUTE 1-1/4" CONDENSATE PIPING TO NEAREST STORM DRAIN. SEE M501/1 FOR MORE DETAILS.
- KITCHEN HOOD EXHAUST FAN ON FULL PERIMETER INSULATED ROOF CURB.COORDINATE FLASHING AND WEATHERPROOFING WITH G.C.
- 8. EXHAUST GREASE DUCT OPENING; REFER TO M101 FOR CONTINUATION.
- ROOFTOP UNIT ON FULL PERIMETER INSULATED ROOF CURB; COORDINATE FLUSHING AND WEATHER PROOFING WITH G.C.
- 10. SUPPLY AIR DUCT OPENINGS; REFER TO M101 FOR CONTINUATION.
- 11. CONDENSING UNIT FOR ICE MACHINE FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER. PROVIDE SEACOAST COATING IN FILED.
- 12. EXHAUST FAN IN FULL PERIMETER INSULATED ROOF CURB; COORDINATE FLUSHING AND WEATHER PROOFING WITH G.C.
- 13. RETURN AIR OPENING, REFER TO M101 FOR CONTINUATION.
- 14. DISHWASHER HOOD EXHAUST FAN ON FULL PERIMETER INSULATED ROOF CURB; COORDINATE FLUSHING AND
- WEATHER PROOFING WITH G.C. 15. DISHWASHER EXHAUST DUCT; REFER TO M101 FOR

CONTINUATION.

16. THE TERMINATION POINT OF EF-1 SHALL BE A MINIMUM OF 10' 0" FROM INTAKE POINT OF RTU-4. IF TRUSS LAYOUT DICTATES THAT EQUIPMENT LOCATION CANNOT PERMIT THIS CLEARANCE, REMOVE WEATHER HOOD FROM RTU-4 AND ADD A ROOF MOUNTED DUCTWORK EXTENSION TO PROVIDE CLEARANCE.

GENERAL NOTES

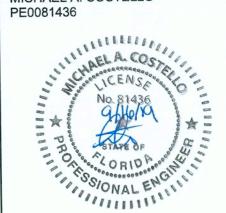
COORDINATE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH STRUCTURAL AND PROVIDE ALL OFFSETS AS MAY BE REQUIRED . MAINTAIN A MINIMUM OF 10'-0" BETWEEN OUTSIDE AIR INTAKES AND EXHAUST FANS/PLUMBING VENT TERMINATION. EQUIPMENT SHALL BE SECURED TO STRUCTURE PER REQUIRED WIND RATING.

architects 400 N. Ashley Dr., P: 813 - 323 - 9233 Lic. #: AA - 0003590 Tampa, FL 33602 W: www.bdgllp.com

ENGINEERING INC. 9942 CURRIE DAVIS DR. STE H., TAMPA, FL 33619 FEL (813) 995-0300 FLORIDA EB# 0027845 TEL (813) 995-0300 WWW.EMERALDMEP.COM

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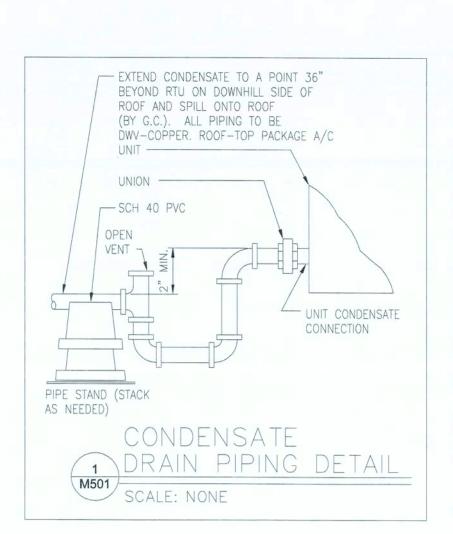
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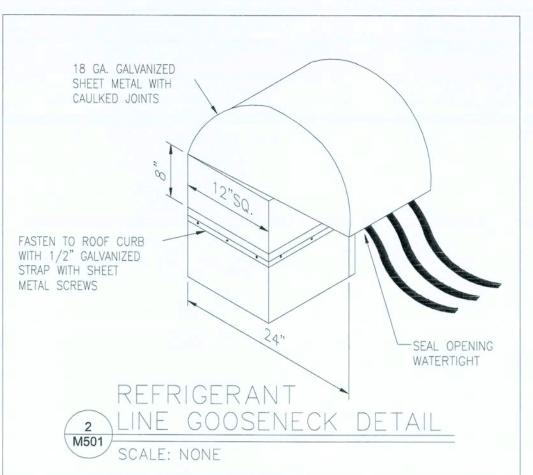
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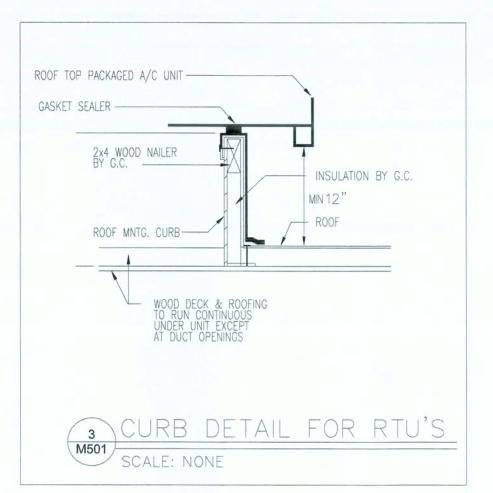
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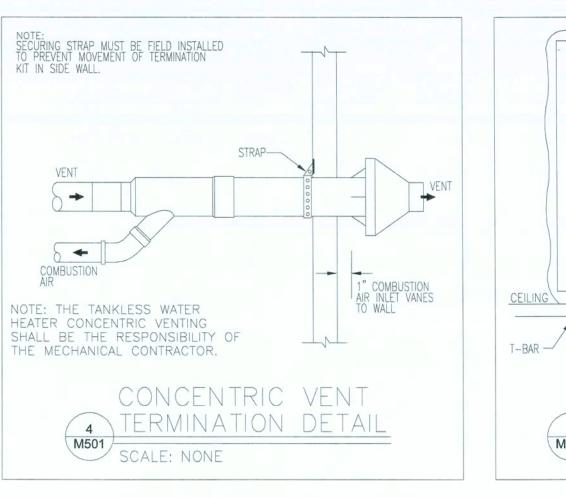
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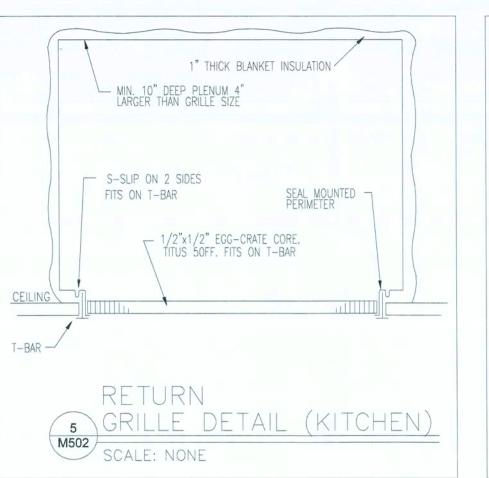
ROOF HVAC PLAN

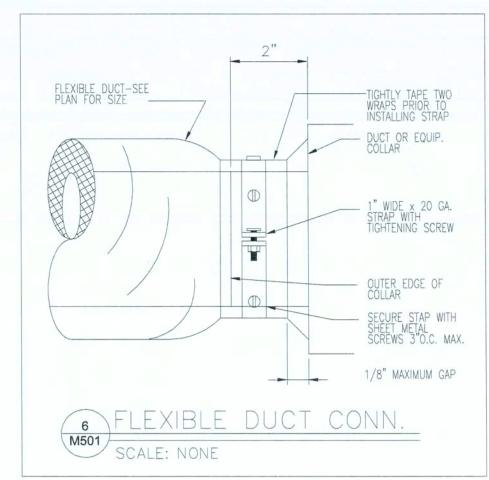


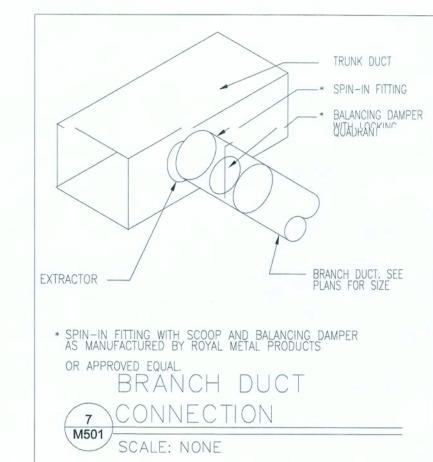


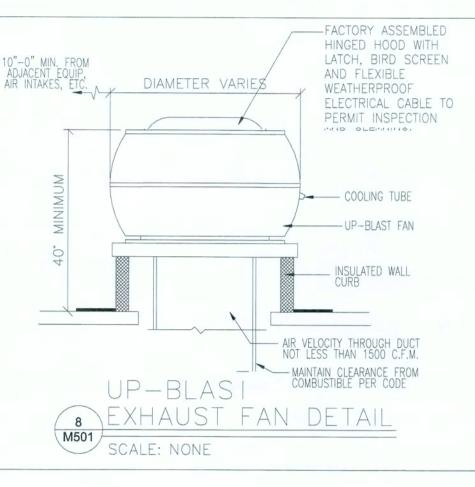


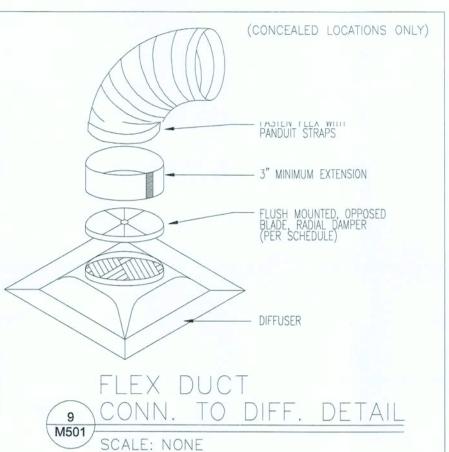


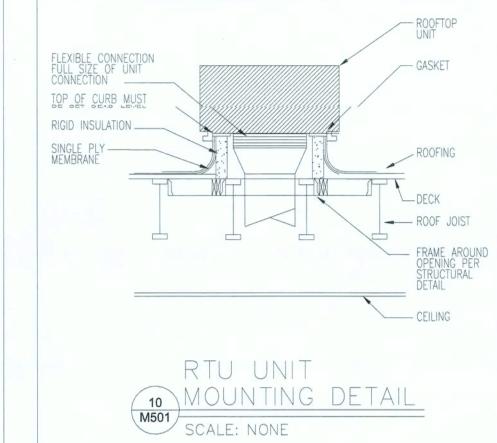


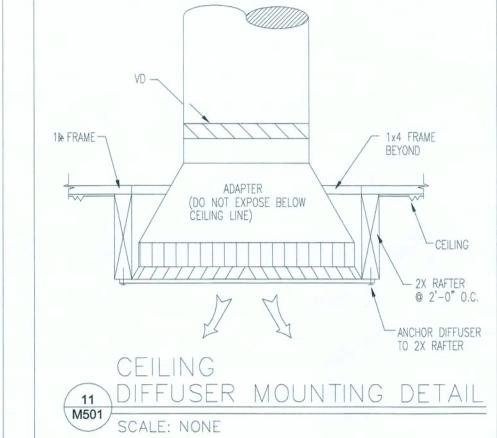


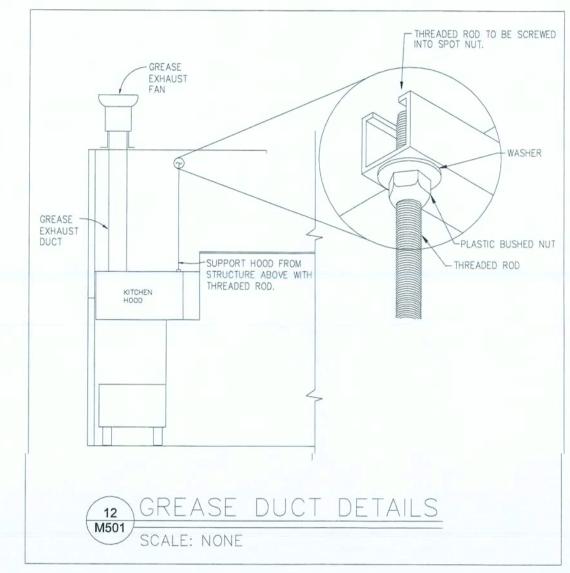


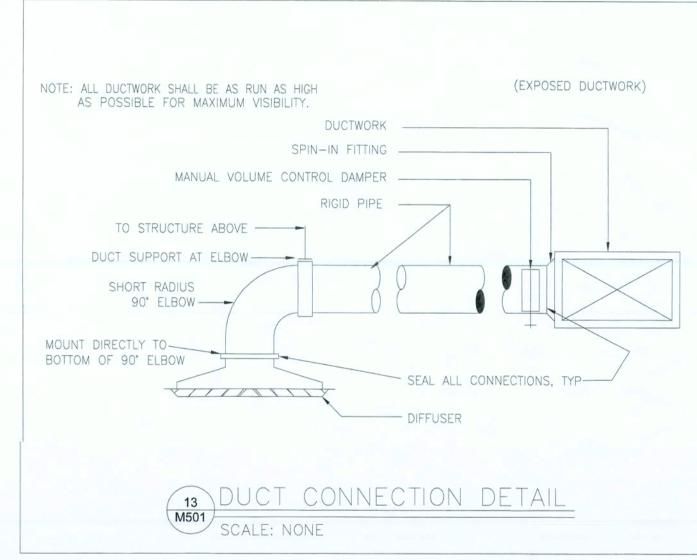


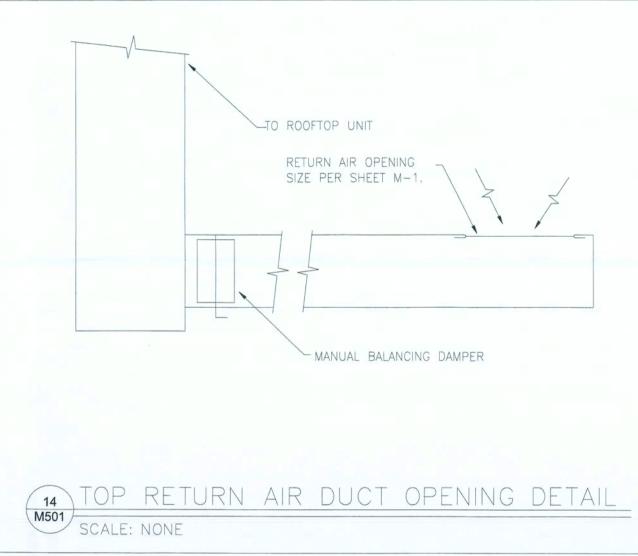


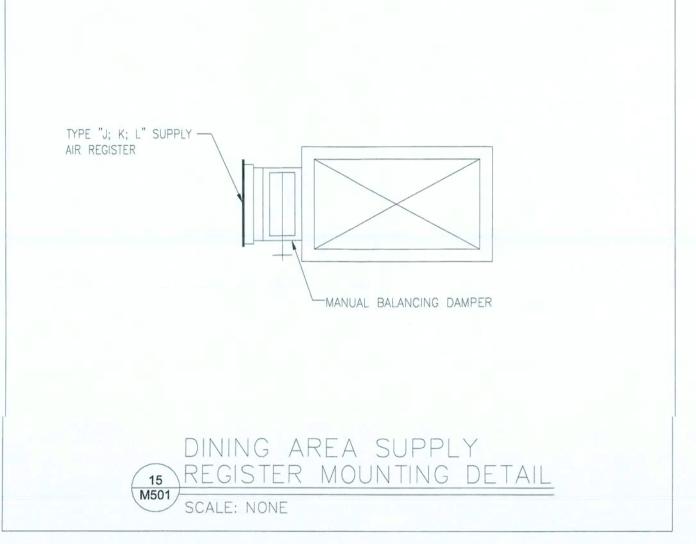


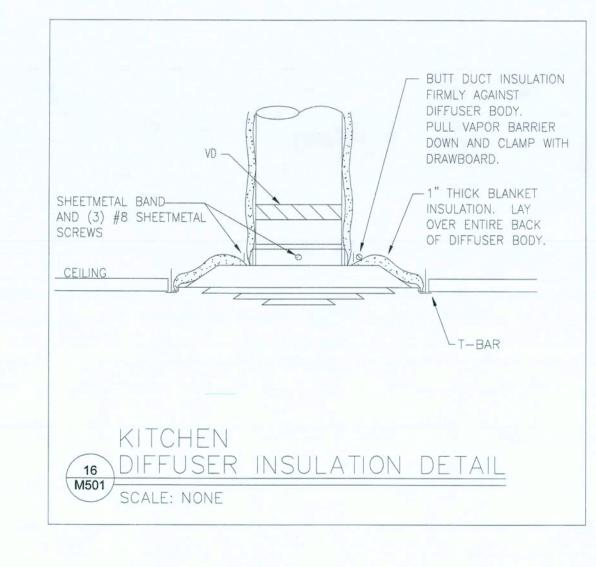


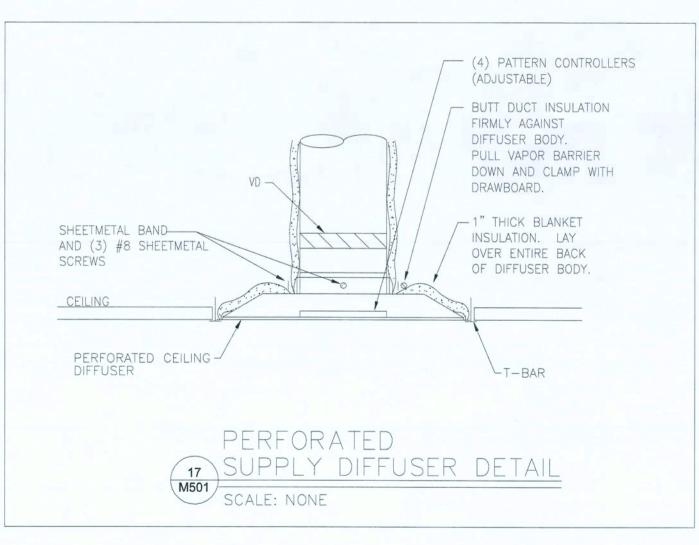


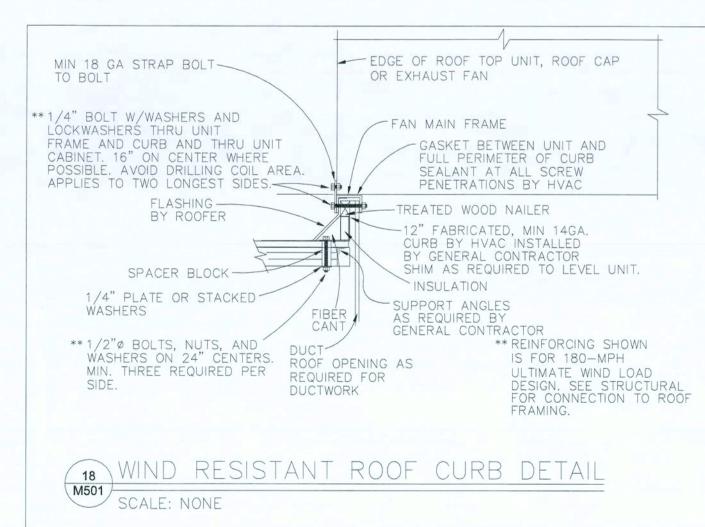


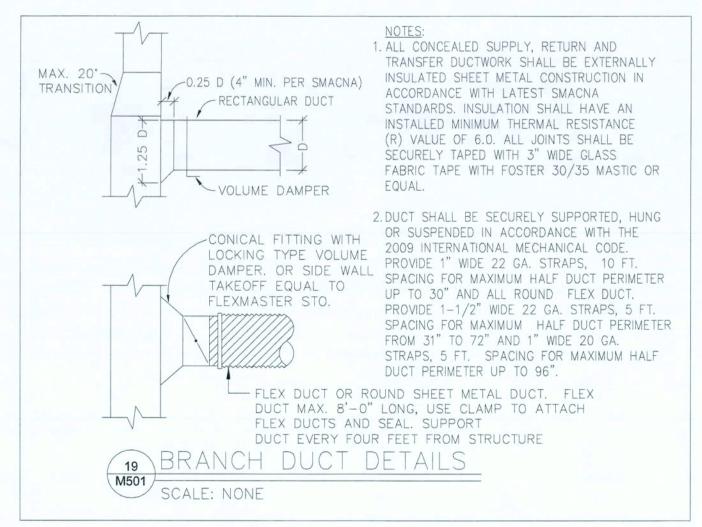














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HVAC DETAILS

HVAC CONTROLS SEQUENCE

OWNER SHALL FURNISH THERMOSTATS AND REMOTE TEMPERATURE SENSORS. CONTRACTOR SHALL INSTALL, PROVIDE ALL WIRING, AND PROGRAMING TO ACCOMMODATE THE SEQUENCE OF OPERATIONS BELOW. ALL WIRING SHALL BE WITH TWISTED SHIELDED CABLE. PROVIDE PHENOLIC LABEL ON ALL THERMOSTATS AND SENSORS INDICATING CORRESPONDING ROOF TOP UNIT.

- A. HVAC CONTROLS TO BE STANDALONE TYPE.
- B. WHEN IN THE THE OCCUPIED MODE. THE THERMOSTAT SHALL BE SET IN THE "FAN ON" POSITION AND THE SUPPLY FAN SHALL RUN CONTINUOUSLY. THE MOTORIZED OUTSIDE AIR DAMPER SHALL REMAIN OPEN. IN THE COOLING MODE, THE COMPRESSOR(S) SHALL BE MODULATED AS REQUIRED TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 75 DEGREES F AS SENSED BY THE REMOTE TEMPERATURE SENSOR. IN THE HEATING MODE, THE ELECTRIC STRIP HEATER SHALL BE MODULATED AS REQUIRED TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 70 DEGREES F. PROVIDE HUMIDITY CONTROL OVERRIDE SEQUENCE WITH HOT GAS REHEAT COIL.
- WHEN IN THE UNOCCUPIED MODE, THE THERMOSTAT SHALL BE SET IN THE "AUTO FAN" POSITION AND THE SUPPLY FAN SHALL RUN ONLY WHEN A CALL FOR COOLING OR HEATING IS MADE. THE MOTORIZED OUTSIDE AIR DAMPER SHALL REMAIN CLOSED. IN THE COOLING MODE, THE COMPRESSOR(S) SHALL BE MODULATED AS REQUIRED TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 85 DEGREES F AS SENSED BY THE REMOTE TEMPERATURE SENSOR. IN THE HEATING MODE, THE ELECTRIC STRIP HEATER SHALL BE CYCLED AS REQUIRED TO MAINTAIN A SPACE TEMPERATURE SET POINT OF 60 DEGREES F.
- D. RTU-4 (100% OUTSIDE AIR UNIT) SHALL AUTOMATICALLY GO INTO OCCUPIED MODE SEQUENCE WHENEVER EF-1, EF-2, EF-3, EF-4, OR EF-5 IS ENERGIZED.
- E. RTU-5 SHALL AUTOMATICALLY GO INTO OCCUPIED MODE SEQUENCE WHENEVER EF-6 IS
- F. TEST AND BALANCE CONTRACTOR SHALL HOLD THREE SEPARATE 2 HOUR TRAINING SESSIONS (SUMMER AND WINTER) WITH STORE MANAGER TO ENSURE THEIR KNOWLEDGE OF PROPERLY USING THE HVAC CONTROLS.

AIR DEVICE SCHEDULE

				TYPE				MTG				DUT	Y				
MARK	NECK SIZE	FACE SIZE	DIFFUSER	REGISTER	GRILLE	CFM	T-BAR	SURFACE	WALL	THROW	SUPPLY	RETURN	EXHAUST	FT. THROW AT 150 FPM	TITUS MODEL NO.	MAX. NC	NOTES
А	8"ø		X			125-249		X		ADJUST	X			3	TMRA-AA	26	3,5
В	10"ø		X			250-399		X		ADJUST	X			4	TMRA-AA	27	4,5
С	12"ø		X			400-600		X		ADJUST	X			5	TMRA-AA	27	4,5
D	6"ø	12"x12"	X			50-100		X		4-WAY	X			3	TMS	13	3,5
E	8"ø	24"x24"	×			100-249	X			4-WAY	X			3	TMSA-AA	17	3,5
F		24"x24"	X			250-409	X			4-WAY	X			4	TMSA-AA	20	2,3,5
G	12"ø	24"x24"	×			410-600	X			4-WAY	X			5	TMSA-AA	27	4,5
Н	14"ø	24"x24"	×			601-900	Χ			3-WAY	X			12	TDCA-AA-A3	29	3,5
	14"ø	24"x24"	X			601-900	X			2-WAY	X			18	TDCA-AA-S2	33	3,5
J	10"x6"			X		200-299		DUC	т	ADJUST	X			8	272FL	22	1,4,5,6
K	12"x10"			X		200-700			X	ADJUST	X			11	272FL	25	1,4,5,6
L	12"×10"			X		200-700		DUC	T	ADJUST	X			11	272FL	25	1,4,5,6
М	10"x8"	12"x12"			×	225-400		×		NA			X	NA	50F	27	3,5
N	38"x24"				X	3500-5500	X			NA		X		NA	50FF	22	_
P	16"ø	24"x24"			×	1000-1 00	X			NA		×		NA	50FF	24	
Q	12"ø	24"x24"	X			400-600	X			ADJUST	×			9	PAS	35	3,5
R	16"ø	24"x24"	X			601-900	X			AD.JUST	×			11	DAS	43	35
S	10"ø	12"x12"	×			50-315		X		4-WAY	X			3	TMS	13	3,5

NOTES: 1. OPPOSED BLADE DAMPER. 2. SEE MOUNTING DETAIL 11/M-4 FOR METAL CEILING INSTALLATION. 3. PAINTED TO MATCH CELLING

BALANCING DAMPER.

4. PAINTED BLACK IN WAITING AND DINING AREA.
5. PROVIDE A REDUCER WHERE THE DUCT AND THE NECK SIZE DO NOT MATCH
6. FOR J, K & L DIFFUSERS, PROVIDE WITH EXTRACTOR AND GRILLE-MOUNTED

HVAC GENERAL NOTES

THE ROOF TOP UNITS, ROOF CURBS, AND ALL ACCESSORIES SHOWN IN THE SCHEDULE ON THIS SHEET SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. DUCTWORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE SUBMITTALS, PAYMENT, DELIVERY, STORAGE (IF REQUIRED), OFFLOADING, CONSTRUCTION, SCHEDULE, STARTUP, ETC. WITH EQUIPMENT SUPPLIER AS IF THEY WERE A SUB-CONTRACTOR. CONTRACTOR SHALL PROVIDE CLEAN FILTERS AT THE END OF CONSTRUCTION, PRIOR TO TEST AND BALANCE. OWNER HAS A NATIONAL SALES ACCOUNT AGREEMENT WITH TRANE/HARSHAW (CONTACT JIM AIGNER AT 502-499-7000, FAX 502-499-7870, EMAIL JRAIGNER@TRANE.COM).

THE FANS, ROOF CURBS, KITCHEN HOODS, AND ALL ACCESSORIES SHOWN IN THE SCHEDULES ON THIS SHEET SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. DUCTWORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE SUBMITTALS, PAYMENT, DELIVERY, STORAGE (IF REQUIRED), OFFLOADING, CONSTRUCTION, SCHEDULE, STARTUP, ETC. WITH EQUIPMENT SUPPLIER AS IF THEY WERE A SUB-CONTRACTOR. CONTRACTOR SHALL PROVIDE CLEAN FILTERS AT THE END OF CONSTRUCTION, PRIOR TO TEST AND BALANCE. OWNER HAS A NATIONAL SALES ACCOUNT AGREEMENT WITH TRANE/HARSHAW (CONTACT JIM AIGNER AT 502-499-7000, FAX 502-499-7870, EMAIL JRAIGNER@TRANE.COM).

DUCT MOUNTED SMOKE DETECTORS SHALL BE FURNISHED BY OWNER'S SECURITY SYSTEMS CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. DETECTORS SHALL COMPLY WITH UL 268A AND BE PHOTOELECTRIC TYPE AND INSTALLED IN THE SUPPLY AIR DUCT AND RETURN AIR DUCT. HVAC DRAWINGS INDICATE THE APPROXIMATE LOCATION OF DUCT DETECTORS. HVAC CONTRACTOR SHALL ASSIST THE ELECTRICAL CONTRACTOR IN LOCATING AND INSTALLING THE DETECTORS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHEN RECOMMENDED CLEARANCES CAN NOT BE MAINTAINED, SIMULATE A SMOKE AIRFLOW TEST OF EACH DEVICE AND PROVIDE A COPY OF THE FIELD TEST TO THE ENGINEER. PROVIDE A DUCT ACCESS DOOR ADJACENT TO EACH DUCT MOUNTED SMOKE DETECTOR TO FACILITATE INSPECTION OF DUCT DETECTOR TUBES.

THE OWNER SHALL RETAIN THE SERVICES OF A NEBB AND/OR AABC CERTIFIED TEST AND BALANCE AGENCY TO PERFORM FINAL TESTING AND BALANCING OF ALL HVAC SYSTEMS. RECORD ALL DATA ON STANDARD "AABC" OR OTHER APPROVED FORMS, AND SUBMIT TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL COORDINATE CONSTRUCTION, SCHEDULE, STARTUP, ETC. WITH TEST AND BALANCE AGENCY AS IF THEY WERE A SUB-CONTRACTOR. CONTRACTOR SHALL COORDINATE CLOSELY WITH THE TEST AND BALANCE AGENCY AND PROVIDE ALL ADDITIONAL SHEAVES AND BELTS (REGARDLESS IF OWNER FURNISHED EQUIPMENT) AS MAY BE REQUIRED. MELINK CORPORATION IS THE ONLY APPROVED TEST AND BALANCE CONTRACTOR (CONTACT TAMMY MUNCY AT 513-271-1615, FAX 513-271-4603).

UNIT HEATER SCHEDULE		
UNIT HEATER TAG		UH-1
AIR FLOW	CFM	
ELECTRIC STRIP HEATER		
TOTAL CAPACITY	KW/STEPS	5/1
ENT. AIR TEMP (DB)	DEG F	40
LVG. AIR TEMP (DB)	DEG F	80
UNIT MCA	AMPS	24.1
UNIT MOCP	AMPS	30
VOLTAGE	V/PH/HZ	208/1/60
WEIGHT	LBS	25
MANUFACTURER	-	MARKEL
MODEL	-	F1F5105N
NOTES	-	ALL
NOTES:		
1. PROVIDE SINGLE POINT P	OWER CONNECTION	I.
2. PROVIDE FACTORY DISCO	NNECT SWITCH.	
3. PROVIDE BUILT-IN FACTOR	RY THERMOSTAT.	
4. PROVIDE FACTORY WALL	CEILING BRACKET.	
UNIT HEATER IS PROVIDE TO AVOID PIPES FROM FR		ICAL ROOM 110

						OOF														
		GENE	RAL					FAN				HEATING	CAPACITY	COOLING	CAPACITY		ELECT	RICAL DATA	A	NOTES
MARK	AREA SERVED	BASIS OF DESIGN-	NOMINAL	TYPE OF	UNIT WEIGHT	TYPE OF	CFM	MIN.		MOTOR		INPUT			SENS.	MCA	MOCP	PHASE	VOLTS	
		TRANE MODEL	TONS	SYSTEM	(LBS.)	UNIT		0.A.	HP (MAX.)	PHASE	VOLT	(MBH)	(MBH)	(MBH)	(MBH)					
RTU-1	LOBBY/WAITING	YHC120E3RHA	10	CONSTANT VOLUME	1,936	PACKAGED ROOFTOP	3,850	900	2.75	3	208	250.0	200.0	119.09	93.10	50.3	60	3	208	1,2,3,4,5,7,8 9,10,11,17 ,2 7
RTU-2	DINING 1/DINING 2	YHD180F3RHA	15	CONSTANT VOLUME	2,964	PACKAGED ROOFTOP	6,000	1,400	2.75	3	208	350.0	284.0	199.22	149.82	72.0	90	3	208	1,5,7,9,10,11,12, 15,16,17,18,
RTU-3	DINING 3/BAR-LOUNGE	YHD180F3RHA	15	CONSTANT VOLUME	2,964	PACKAGED ROOFTOP	6,000	1,400	2.75	3	208	350.0	284.0	199.22	149.82	72.0	90	3	208	1,5,7,9,10,11,12, 15,16,17,18,
RTU-4	KITCHEN	RRU241E3DFA	20	CONSTANT VOLUME	3,093	PACKAGED ROOFTOP	6,000	6,000	2.75	3	208	651.0	651.0	263.61	176.17	105.0	125	.3	208	1,11,19,20,21,2 23,24,25,26,
RTU-5	KITCHEN	YHD180F3RHA	15	CONSTANT VOLUME	2,964	PACKAGED ROOFTOP	6,000	1,400	2.75	3	208	350.0	284.0	199.22	149.82	72.0	90	3	208	1,5,7,9,10,11,12 14,15,16,18,

21. MODULATING DIRECT FIRED-GAS 22. DUAL REFRIGERATION CIRCUITS

23. SPLIT FACE COOLING COILS WITH TXV'S.

2. MICROPROCESSOR CONTROLS 3Ø 3. MOTORIZED DAMPER 0-50% 3HP 4. STANDARD PANEL 2" PLEATED FILTERS MERV 7 5. STANDARD CONDENSER COIL WITH FIOPS HAIL GUARD 6. POWERED CONVENIENCE OUTLET 3Ø

8. DISCHARGE AIR SENSING TUBE

DUAL SETPOINT THERMOSTAT WITH 16. SUPPLY AIR SENSING TUBE. SYSTEM LIGHT SENSOR WITH REMOTE 17. HOT GAS REHEAT. ROOM SENSOR EQUAL TO BAYSENSO17A. 18. DOWNFLOW ECONOMIZER WITH BAROMETRIC RELIEF 10. REMOTE ROOM SENSOR (FLO) 11. R-410A 12. 120V CONVENIENCE OUTLET. 13. HINGED ACCESS PANEL

14. FIOPS 2" PLEATED FILTERS MERV 8

24. REFRIGERANT CAPACITY CONTROL 27. PROVIDE A CONDENSATE (APR) - 1ST STAGE. 25. 100% OA HOOD WITH MOTORIZED OA DAMPER. 19. MICROPROCESSOR BASED CONTROL FOR 100% OA CONTROL 26. 2" PERMANENT ALUMINUM MESH 20. ADREMOTE OPERATOR DISPLAY (ROD)

WATER-LEVEL DETECTION DEVICE CONFORMING TO UL508 IN THE PRIMARY DRAIN PAN OF THE UNIT TO SHUTDOWN WHEN HIGH WATER LEVEL OCCURES. OA FILTER.

						E	XHA	UST	FAN	SC	HED	ULE											
							MOTOR				FAN	DIMENS	IONS/	WEIGHT		CURB DIMENSIONS/WEIGHT							
HOOD TAGS	TAG	MODEL	CFM	HOOD	DUCT	TOTAL	RPM	HP	V/PH	AMP	В	С	D		T SQ	WEIGHT	CURE	3 OD	ROOF	WEIGHT	CURB	NOTES	
COOKLINE FRY	EF-1	LSB135B8C2C1A2A0A	1840	0.570	0.269	0.839	1838	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
COOKLINE RIB GRILL	EF-2	LSB135B8C2C1A2A0A	1875	0.600	0.279	0.879	1875	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
COOKLINE BROIL	EF-3	LSB135B8C2C1A2A0A	1596	0.730	0.225	0.955	1716	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
COOKLINE BROIL	EF-4	LSB135B8C2C1A2A0A	1596	0.730	0.225	0.955	1716	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
HOT PREP	EF-5	LSB135C8C2C1A2A0A	1288	0.222	0.134	0.356	1260	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
HOT PREP	EF-6	LSB135C8C2C1A2A0A	1288	0.222	0.134	0.356	1260	1.50	208/3	4.4	56.00	53.75	29.00			396	54.0 ×	26.5	50.5 X 23.5	65	YES	1,2,3,4,5,6	
DISH	EF-7	150RH5B	1000	0.340	0.340	0.680	1379	0.50	115/1	8.8	34.75	27.50			24	66	22.5 ×	22.5	19.5 x 19.5	23	NO	3,4,5	
RESTROOM	EF-8	ACE-D 100C15	525			0.375	1550 MAX	1/8	115/1	3.1	18.63	16.38			18	40	16.5 ×	(16.5	13.5 X 13.5	10	NO	3,4,5	

- 1. LS FANS ARE ETL APPROVED PER UL782 TO BE MOUNTED ON 18" HIGH ROOF CURB 2. 40" DISCHARGE ABOVE ROOF MUST BE MAINTAINED
- 3. SHIM CURB LEVEL 4. CENTER FAN ON CURB (MINIMUM 12" ABOVE ROOF SURFACE)
- 5. FASTEN FAN CURB CAP TO CURB WITH SCREWS

6. DUCT TERMINATION MINIMUM 18" ABOVE ROOF

									KIT	CHEN	HOOD S	CHEDU	JLE										
	HOOD		EXH	EXHAUST AIRFLOW		EXHAUST COLLARS		ACCESSORIES										TAB PORTS					
HOOD TAG	TVDE	MODEL	ETL MIN	DESIGN	TOTAL	QTY.	SIZE (IN.)	VELOCITY	LIGHT	FIXTURES	EXTRACTORS	EXTRACTOR	GREASE		EILING TE	RIM	WIRE	WAY	1/4 SIDE	WEIGHT (LBS.)	CAPTURE JET FAN	EXHAUST	SUPPLY
HOOD TAG	TIPL	WODEL	CFM/FT.	CFM/FT.	EXHAUST	Q.III.	3121 (114.)	(FPM)	QTY.	RATING	EXTRACTORS	SIZE	DRAIN/PAN	LEFT	FRONT	RIGHT	LIGHT	FAN	PANELS			(IN. W.C.)	(IN. W.C.
50 PREP		EH	155	161	2576	2	12" ø	1640	12	1.2 KW	(16) KSA	16" X 20"	(2) PAN	YES	YES	YES	YES	YES	(2)	1600			
51.1 FRYER	I	KVL2	106	230	1840	1	12" ø	2343			(4) KSA	20" X 13"	(1) PAN	NO	YES	YES				540	(1)	0.44	0.25
51.2 RIB	1	KVL2	146	274	1875	1	12" ø	2387	1	28 W	(4) KSA	20" X 13"	(1) PAN	NO	YES	NO				460	(1)	0.47	0.25
51.3 BROIL	1	KVL2	146	304	3192	2	12" ø	2032	2	56 W	(6) KSA	20 X 13"	(1) PAN	YES	YES	NO				720	(1)	0.63	0.25
52 DISH	(I	DW	N/A	N/A	1000	1	10" X 10"	1440	3	300 W			(1) DRAIN				YES	YES		300			
			TOTAL EXHAL	JST AIRFLOW	10,483																		



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MICHAEL A. COSTELLO



MECHANICAL SEAL 9/16/2019 12:11:34 PM ISSUE BY DATE DESCRIPTION

PROJECT INFORMATION BLOCK

JOB# 09/19/2019 DRAWN BY: CHECKED BY:

HVAC SCHEDULES

SHEET TITLE

SHEET NUMBER

ELECTRICAL GENERAL NOTES

- 1. THE EQUIPMENT ROUGH-INS AS SHOWN ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, IN SOME INSTANCE, THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY UPON THE CONTRACTOR.
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C. AND STATE AND LOCAL CODES AS THEY APPLY.
- 3. SWITCHGEAR & PANELS SHALL BE W.R., CONTROLS, SEE NOTES SHEET
- 4. ALL DISCONNECT SWITCHES SHALL BE RATED FOR GENERAL DUTY U.O.N.
- 5. STARTERS AND RELATED WIRING SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR, OVERLOAD UNITS SHALL BE INSTALLED AS PER NAME PLATE DATA ON EQUIPMENT. EXCEPT FOR SUCH ITEMS ARE NORMALLY SUPPLIED WITH STARTERS INSTALLED (HVAC UNITS, DISHWASHERS ECT.) AT THEIR POINT OF MANUFACTURE, ALL STARTERS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR WILL MOUNT ALL SUCH STARTERS, AS DIRECTED, FURNISHING SUPPORTING STRUCTURES WHERE NECESSARY.
- 6. ANY FEELS ASSOCIATED WITH CONSTRUCTION AND INSPECTION SHALL BE BORNE BY THE CONTRACTOR IN ORDER TO DELIVER TO THE OWNER A FINISHED BUILDING, READY FOR OCCUPANCY AND 100% OPERATION.
- 7. TWO COPIED OF OPERATION AND MAINTENANCE MANUALS FOR THE EQUIPMENT HEREIN INSTALLED SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE BUILDING FOR OCCUPANCY.
- 8. ALL PANELBOARDS AND EMERGENCY LIGHTING DISCONNECT SWITCHES SHALL BE LABELED WITH RESPECT TO THEIR TITLE, VOLTAGE, AND PHASE: I.F. PANEL "A" 120/208/30 LABEL SHALL BE PHENOLIC PLASTIC WITH WHITE LETTERS AND BLACK BACKGROUND. LABELS SHALL BE PERMANENTLY FIXED TO THE EQUIPMENT.
- 9. PANELBOARDS SHALL CONTAIN A TYPEWRITTEN DIRECTORY WITH A PLASTIC COVER AFFIXED TO THE INSIDE DOOR.
- 10. CONTRACTOR SHALL SUBMIT 6 COPIES OF SHOP DRAWINGS TO THE ARCHITECT / ENGINEER FOR APPROVAL FOR ALL EQUIPMENT AND DEVICES INSTALLED. THERE WILL BE NO SHOP DRAWINGS UNTIL DRAWINGS HAVE BEEN SUBMITTED & REVIEWED BY ARCH. / ENGR..
- 11. ANY DEVIATION FROM PLANS WITHOUT PRIOR APPROVAL OF THE ARCHITECT SHALL BE CAUSE FOR THE REJECTION OF MATERIALS AND OR METHODS, AND ANY COST INCURRED TO CORRECT SUCH DEVIATION TO SATISFACTION OF THE A/E SHALL BE BORNE BY THE CONTRACTOR.
- 12. ANY COST INCURRED DUE TO LACK OF COOPERATION AMONG THE TRADES SHALL BE BORNE BY THE CONTRACTOR.
- 13. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE PLANS AND THE BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR, BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
- 14. TRADE NAMES ARE GIVEN TO CLARIFY TYPE OF PRODUCT AND QUALITY DESIRED.
- 15. CONTRACTORS SHALL VERIFY SERVICE VOLTAGE WITH UTILITY COMPANY, AND REVISE BALANCE PANEL AS REQUIRED.
- 16. CONTRACTOR SHALL VERIFY LOCATION OF PARKING LOT LUMINARIES AND PYLON SIGNS ON INDIVIDUAL SITE PLAN.
- 17. ALL REMOTE EQUIPMENT ON ROOF OR GROUNDS SHALL HAVE A DISCONNECT SWITCH AT EACH PIECE OF EQUIPMENT. FURNISH FUSED DISCONNECTS AS REQUIRED BY THE N.E.C..
- 18. ALL RECEPTACLES, JUNCTION BOXES, AND EQUIPMENT SHALL BE WATERPROOF.
- 19. INSULATED ALL CONDUIT PASSING THROUGH WALK-IN COOLER, FILL AROUND CONDUIT WITH DUCT-IN SEAL WHERE IT PASSED THROUGH COOLER WALL OR CEILING.

- 20. ALL EXTERIOR CONDUIT FOR WIRING SHOULD BE MINIMIZED BY ROUTING IN CEILING SPACE. NO EXTERIOR CONDUIT WILL BE ACCEPTED,
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE SUPPLY TERMINALS FROM THE POWER COMPANY. THE SERVICE EQUIPMENT SHALL MEET OR EXCEED THIS RATING PER N.E.C..
- 22. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY, PRIOR TO ANY INDIVIDUAL CIRCUIT'S INSTALLATION, TO VERIFY WITH ALL OTHER TRADES CONCERNED THAT THE CIRCUIT WITH DEVICES AS DRAWN IS ADEQUATE IN SIZE AND MAKE-UP FOR THE MECHANICAL AND / OR KITCHEN EQUIPMENT TO BE INSTALLED. IF ANY CONFLICT IN VOLTAGE, PHASE, OR LOAD IS ENCOUNTERED WHICH WOULD ALTER THE CIRCUIT SIZE, THIS CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER IMMEDIATELY. FAILURE TO DO SO SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT CIRCUIT CHANGE DIRECTLY UPON THE CONTRACTOR.
- 23. ALL ITEMS IN THE NOTES, SCHEDULES, AND LEGEND MAY NOT NECESSARILY APPEAR ON THESE DRAWINGS.
- 24. FOR POWER CIRCUITS MINIMUM WIRE SIZE SHALL BE #12 AWG AND MINIMUM CONDUIT SIZE SHALL BE 3/4" C.. ALL WIRING SHALL BE RUN IN
- 25. WIRING SHOWN IN THE PANEL SCHEDULE IS THE MINIMUM REQUIRED. RUNS IN EXCESS OF 90'-0" (ONE WAY) SHALL BE SIZED PER THE N.E.C. MAXIMUM 3% V.D..
- 26. COORDINATE WITH LOCAL UTILITIES FOR THEIR REQUIREMENTS. 27. PROVIDE GFI OUTLETS (GFI CIRCUIT BREAKERS IN PANELBOARDS) WHERE RECEPTACLE'S TEST/RESET BUTTONS ARE NOT LOCATED IN A READILY ACCESSIBLE LOCATION.
- 27A. ALL OUTLETS SHALL COMPLY WITH 2011 NEC 2010.8(B)(2) WHICH REQUIRE RESTROUMS, OUTDOORS, ROUFS, MECHANICAL ROOMS AND KITCHEN / BARS, TO BE GFCI PROTECTED. PROVIDE EITHER INDIVIDUAL GFI CIRCUIT BREAKERS, UNLESS SPECIFICALLY NOTED O THE DRAWINGS OR SCHEDULES, ALSO SEE 2011 NEC 647.6(B), REFERENCING ISOLATED GROUND RECEPTACLES. (VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION ON N.E.C. ADDITION ENFORCED.)
- 27B. IG-GFI RECEPTACLES SHALL BE LEGRAND #1595-IGTRO OR APPROVED EQUAL, PROVIDE ISOLATED GROUND RECEPTACLES PER N.E.C. 647.6(B) FOR TERMINATION OF BRANCH CIRCUITS EQUIPMENT GROUNDING CONDUCTORS. (VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION ON
- N.E.C. ADDITION ENFORCED.) 28. PROVIDE A 120 VOLT RECEPTACLE WITHIN 25 FEET OF ALL HVAC EQUIPMENT ON THE ROOF.
- 29. THE P.O.S. AND TABLE CHECK COMMUNICATION CABLE IS FURNISHED AND INSTALLED BY THE OWNER.
- 30. SEE SHEET FS-2 FOR POWER SHEET ROUGH-IN PLAN.
- 31. ALL FIXTURES TO BE PROPERLY SECURED TO PREVENT MOVING ONCE
- 32. ALL CONDUIT (RIGID & FLEXIBLE) SHALL BE PROPERLY SECURED & NOT ALLOWED TO LAY ON THE FLOOR, ETC.
- 33. TELEPHONE BACKBOARD TO BE RECESSED IN WALL.

FIXTURE TYPE

LUMINAIRE FIXTURE

SCALE: NOT TO SCALE

COVER

E5

OUTLET OR JUNCTION BOX-

LUMINAIRE FIXTURE

(1) COORDINATE DIMENSION WITH ACCUSERV.

EASY ACCESS OF EXIT DOOR.

34. PROVIDE RACEWAY BETWEEN REMOTE BALLAST AND LIGHT FIXTURE COMPLYING WITH N.E.C., UL, AND MANUFACTURER REQUIREMENTS FOR CONDUIT, BOX, AND WIRE INSULATION VOLTAGE RATING AND LOCATION.

HOOD FIRE SUPPRESSION SYSTEM

- 1. E.C. TO FURNISH INTERLOCK OF ALL EQUIPMENT BELOW THE HOOD, SHUTTING OFF ALL SERVICE, INCLUDING CONTROL VOLTAGE UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM.
- 2. E.C. TO FURNISH AND INSTALL AN OCTAGON SHAPED HANDY BOX FOR THE PULL STATION AT 54" A.F.F WITH 1/2" C. TO 6" ABOVE THE CEILING. 3. VERIFY LOCATION OF PULL STATION. UNIT MUST BE PLACED WITHIN

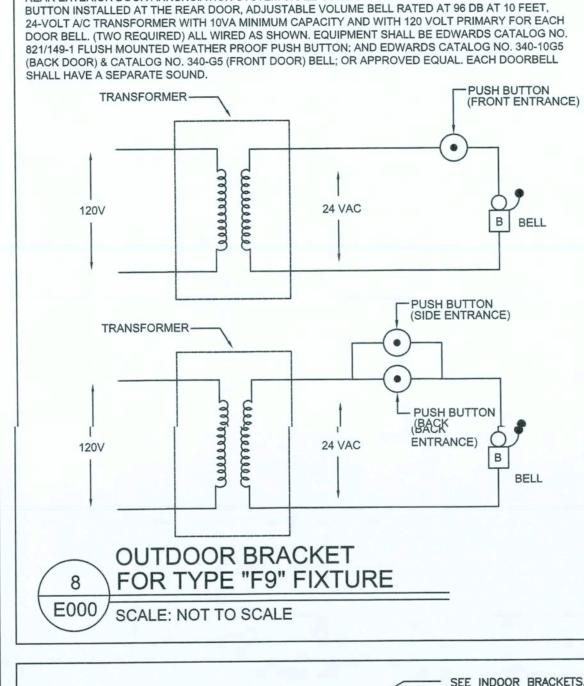


FIGURE TYPE "OWB-V" - FIXTURE 9 TYPICAL

OUTDOOR BRACKET

3 \ FOR TYPE "F9" FIXTURE

REAR EXTERIOR DOOR ANNUNCIATION SYSTEM SHALL CONSIST OF A WEATHERPROOF PUSH

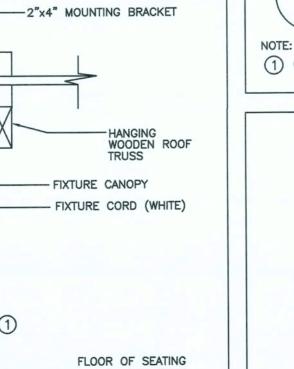
E000 SCALE: NOT TO SCALE

(1) COORDINATE DIMENSIONS WITH ACCUSERV

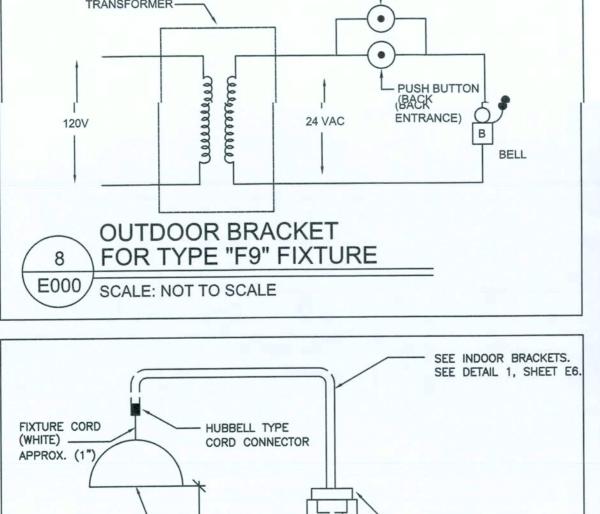
3 x 3 x 1/2 CRS

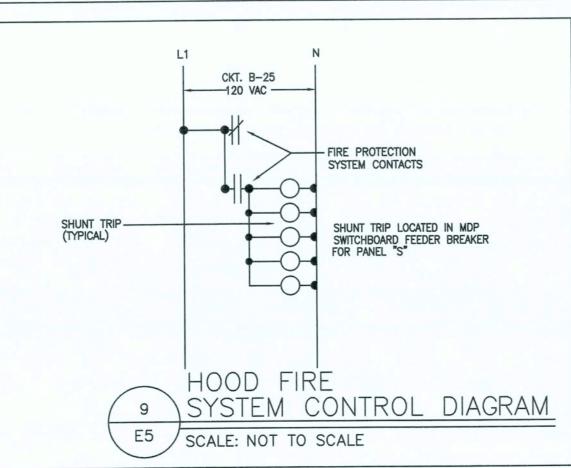
4 x 3 x 1/2 CRS

MATERIAL: 1/2" CONDUIT TYP



5 FIXTURE TYPE "F4B" - TYPICAL E5 SCALE: NOT TO SCALE





ELECTRICAL SYMBOL LEGEND

LUMINAIRE FIXTURE SCHEDULE

F1 2' X 4' RECESSED LED FIXTURE

ELECTRONIC BALLAST

ELECTRIC BALLAST

R6 6" LED RECESSED CAN LIGHT

W/ ALZAK TRIM 27K

W/ ALZAK TRIM 27K

ENSE TRIM

F4CW WITH SCREWS.

F4CW-5

F4CW-9

F4D

F4D-5

F4D-9

F4DW

F4D2-5

F4DW-9

F4E

F4E-5

F4E-9

F4EW

F4EW-5

F4EW-9

R6B 4" LED RECESSED DOWNLIGHT

WITH DIFFUSING LENS AND

F2 2-LAMP FLUORESCENT STRIP FIXTURE

NON-DIMMING DRIVER (6200 LM)

F3A 6" RECESSED FRAME-IN INCANDESCENT

F3B 6" RECESSED FRAME-IN INCANDESCENT

F2A FREEZER / COOLER LIGHTING, FULLY ENCLOSED

IMPACT RESISTANT ACRYLIC SHIELD.

R6A 6" LED RECESSED CAN LIGHT, 1000 LUMENS

IALO H99RTAT RECESSED HOUSING

DOWNLIGHT W/ 5" BLACK STEP BAFFLE

F3C 6" RECESSED EYEBALL TRIM W/ BLACK BAFFLE

F4A 16" GREEN PENDANT FIXTURE, WITH CORD

F4C INCLUDED, TO BE CENTERED OVER TABLE.

F4C-9 GROMMET, AND GASKET. SECURE FIXTURES

F4 3/4" COUPLING AND CORD CONNECTOR (TB2930)

BLACK FLATBACK 8W TRACK FIXTURES

SERIES FIXTURES AND GASKET.

TRACK HEADS AS INDICATED

F6 6" CEILING CYLINDER, BLACK, SURFACE

F9A "L" BRACKET FOR FIXTURE TYPE F9 WITH

GROMMET AND GASKET. (OWB)

F10 EMERGENCY LIGHT UNIT, BLACK FINISH

BATTERY BACKUP.

BLACK FINISH.

FULL CUT-OFF

F13 RECESSED INCANDSCENT

STEM BY OTHERS.

LOCATION

LED. 90 MINUTE BATTERY BACKUP.

LED EXIT LIGHT UNIT (WITHOUT HEADS)

WITH RED LETTER AND REMOTE HEAD

CAPABILITY, BLACK FINISH. 90 MINUTE

F11C LED EXIST LIGHT UNIT (WITHOUT HEADS) WITH

LOUVERED STEP LIGHT, BLACK FINISH

F14A (5 BLADE) 52" PADDLE FAN, BLACK STEM HUNG.

NEMA 7HX6V SPREAD, BRONZE FINISH WITH

NEMA 7HX6V SPREAD, BRONZE FINISH WITH

BLACK IN COLOR. GOOSENECK ARM INCLUDED WITH FIXTURE FOR TOWER. SEE EXTERIOR

ELEVATIONS FOR EXACT LOCATIONS. EC TO

WOOD WITH 6 WOOD SCREWS MINIMUM.

IS FURNISHED WITH REMOTE BALLAST

MOUNTED ON ROOF, EC TO FURNISH

UL LISTED WET LOCATION LED FIXTURE,

F18 6" LED RECESSED CAN LIGHT, GU24 OR E26,

F22 MEAT COOLER UNDERCOUNTER LIGHT, LED

F23 CENTER BAR UNDERCOUNTER LIGHT, LED. 50FT

1) ALL FIXTURES SHALL BE SUPPLIED BY OWNER.

6) SITE LIGHTING NOTE (HIDE IF NOT APPLICABLE).

2) NOT ALL FIXTURES ON FIXTURE SCHEDULE MAY APPEAR ON DRAWING.

3) ALL LAMPS SHALL BE MANUFACTURED BY PHILLIPS LIGHTING. NO EXCEPTIONS.

4) ONLY LAMP WATTAGE AS SHOWN ON LIGHTING FIXTURE SCHEDULE MAY BE USED.

5) ALL LIGHTING FIXTURES AVAILABLE THROUGH ACCUSERV - DANA BRUCE OR SANDY HINES 877-707-7378.

SLIMELINE SURFACE MTD, 2FT, 2000 LM, 5000K

WITH 6 WOOD SCREWS MINIMUM

FOR EXACT LOCATIONS.

FOR EXACT LOCATIONS.

LIGHTING NOTES:

F19 HOOD LIGHTS

F20 HOOD LIGHTS

WITH BLACK TRIM (650 LM)

F17FC UL LISTED WET LOCATION LED FIXTURE,

FURNISH OCTAGON BOX & ATTACH COVER TO

BLACK IN COLOR, GOOSENECK ARM INCLUDED

ELEVATIONS FOR EXACT LOCATIONS. FIXTURE

WITH FIXTURE FOR TOWER. SEE EXTERIOR

OCTAGON BOX & ATTACH COVER TO WOOD

BLACK IN COLOR, GOOSENECK ARM INCLUDED

BLACK IN COLOR. GOOSENECK ARM INCLUDED

WITH FIXTURE FOR TOWER. SEE EXTERIOR

WITH FIXTURE FOR TOWER. SEE EXTERIOR

STEM BY OTHERS. (DAMP LOCATION)

BRACKET. SEE DRAWING FOR EXACT

BRACKET. SEE DRAWING FOR EXACT

F15 FLAG POLE LED LIGHT WITH PHOTOCELL

F15/PC FLAG POLE LED LIGHT WITH PHOTOCELL

F16 UL LISTED WET LOCATION LED FIXTURE.

F16FC UL LISTED WET LOCATION LED FIXTURE,

RED LETTERS AND REMOTE HEAD CAPABILITY BLACK FINISH. HIGH OUTPUT. DAMP LOCATION.

F14 (5 BLADE) 52" PADDLE FAN, BLACK STEM HUNG. NONE

F11A REMOTE EMERGENCY HEAD WITH PLATE,

BLACK FINISH WITH TWO LAMPS.

F11B LED EXIT LIGHT UNIT WITH RED LETTERS,

90 MINUTE BATTERY BACKUP

90 MINUTE BATTERY BACKUP.

F12 LED WALL-PACK, WITH PHOTOCELL,

F9B "L" BRACKET FOR FIXTURE TYPE F9 CORNER

ADAPTOR COUPLING FOR TYPES F4C, D, AND E

EXTERIOR LED FLOOD WITH WALL BRACKET

MOUNT WITH GROUND, GRMMET, AND GASKET.

(F9A, F9B) AND COUPLING, BRONZE, 4000K

DUAL HEAD W/ SELF DIAGNOSTICS, (4)-1W

F4C-5 MOUNTING BRACKET W/ GROUND, ARM

DOWNLIGHT W/ 5" BLACK STEP BAFFLE TRIM

& GASKETED INDUSTRIAL LED FIXTURE, 5000K,

NCLUDED (50W)

-F32T8 / 735

LED (73W), 5000K

INCLUDED (11W)

INCLUDED (11W)

INCLUDED (9.5W)

65WR30-WHITE

1-60W SILVER

1-60W SILVER

-60W SILVER

-60W SILVER

-60W SILVER

I-60W PINK I-60W SILVER

-60W SILVER

1-60W SILVER

-60W SILVER

-60W PINK

-60W SILVER

-60W SILVER

1-60W PINK

1-60W SILVER

1-60W SILVER

I-60W PINK

1-60W PINK

4000K

BR30-FL9-PNK-LED

NCLUDED (4W)

NCLUDED (15W)

HALOGEN (5W)

INCLUDED (5W)

INCLUDED (24W)

NCLUDED (13W)

NCLUDED (39W)

NCLUDED (39W)

1-LED2, 3000 LM,

1-LED2, 82 DEGREE

BEAM ANGLE FLAT

1-A19 LED (12W)

GREENCREATIVE

12A19G4DIM/827

1-A19 LED (12W) GREENCREATIVE

12A19G4DIM/827

INLCUDED (12W)

3500K LED

-LED (26W)

11-LED BULBS PER

LENS (31W)

4000K (31W)

4000K

1-(25W) TUBE

LARGE PINK LED (9W) WAC LIGHTING

BR30-FL9-PNK-LED P5774-31

INCLUDED (39W) LED RAB LIGHTING

LARGE PINK LED (9W) PROGRESS LIGHTING

1-60W PINK

-60W PINK

1-8W CF

CATALOG NO.

CREE

CR24-50L-40K-S

C-2-32-120-GEB

96-4-L62/850-HIAFR-DR-UNV

C6-12W / LR6-27K

LR6-10L-27K-120-DR

SUPPLIED BY MILLWORK

GENLTYE 1002P1/1076

GENLTYE 1002P1/1076

GENLTYE 1002P1/1027

/RLMM15BLK TYPE F4C

/RLMM14BLK TYPE F4C-5

/RLMM16BLK TYPE F4C-9

/RLMM17BLK TYPE F4CW

/RLMM18BLK TYPE F4CW-5

/RLMM19BLK TYPE F4CW-9

/RLMM20BLK TYPE F4D

/RLMM21BLK TYPE F4D-5

/RLMM22BLK TYPE F4D-9

/RLMM23BLK TYPE F4DW

/RLMM24BLK TYPE F4DW-5

/RLMM25BLK TYPE F4DW-9

/RLMM13BLK TYPE F4E

/RLMM26BLK TYPE F4E-5

/RLMM27BLK TYPE F4E-9

/RLMM28BLK TYPE F4EW

/RLMM29BLK TYPE F4EW-5

/RLMM30BLK TYPE F4EW-9

/RLMM40BLK TYPE F4G-9

TB2930 / GRCO75PLG

LTK-704-BK

FELED39N

OWB-V

ACCUSERV

ACCUSERV

DUAL LITE

ELV4D-I-B

DUAL LITE

LTURB3-0

ITHONIA

ITHONIA

LITHONIA

RAB LIGHTING

P6803/31

CRAFTMADE

C52BLB5/52BL

CRAFTMADE

RAB LIGHTING

RAB LIGHTING

WPLED13NS/PC

PROGRESS LIGHTING

WITH P8716-01 MTG KIT

OPXL52OFB/ B552S-OFB

FFLED39SFN/PC MCB

FFLED39SFN/PC MCB

HI-LITE MANUFACTURING

H-922333AC-930L-A-BLK

HI-LITE MANUFACTURING

H-922333AC-69-FLAT

TROY LIGHTING

TROY LIGHTING

RC6/LR6-7L-35K-GU24-E26

LLMS-2-L20/850-S-RD-WRS / 120-

KB-685-BK

LT6BB-DR

H.E. WILLIAMS

13MM-CL-50 KIT

DRV-120 FLEXTEC

100W A19 TUFF SKIN SUPPLIED BY ACCUSERV

00W A19 TUFF SKIN SUPPLIED BY ACCUSERV

CRDB0605

QM-S-3R-120/277-ELN

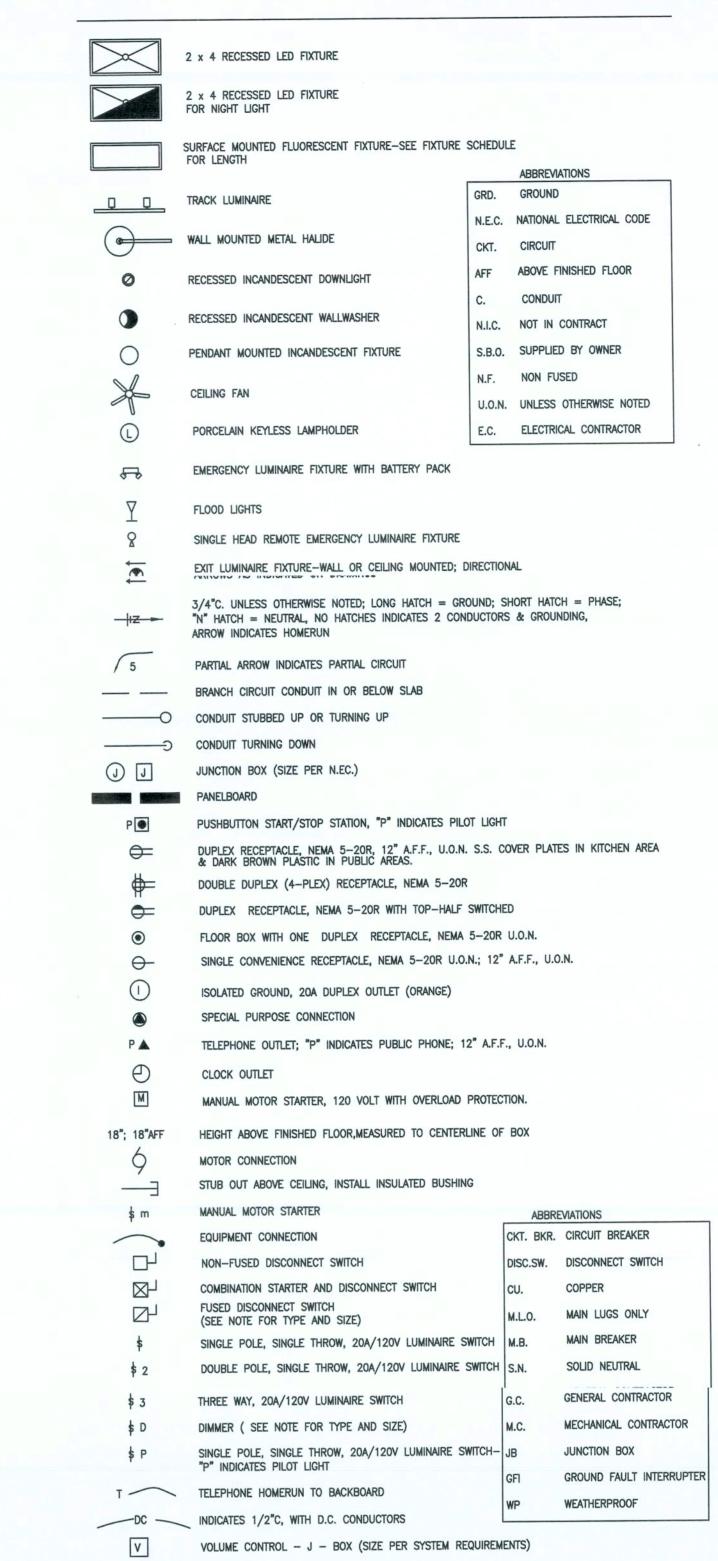
LHQM-S-3R-HORO

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ROY KF-688-EG

H.E. WILLIAMS

LITHONIA



	ACCUERV SCHEDULE	
ITEM	DESCRIPTION	CATALOG NO.
MECHANICAL ROOM HEATER	2' X 4' RECESSED LED FIXTURE WITH DIFFUSING LENS AND ELECTRONIC BALLAST	BERHUHAA520 BERHUHAAB10 BERUHAAMT2
VESTIBULE HEATER	300 CFM 5KW 208V ADJ TO 3800W OR 2500W RECESS MOUNTING ENCLOSURE ONLY FOR FFCH TRIM RING FOR MT ON PERMANENT CEILING 1 POLE WALL TSTAT	BERFFCH558 BERFFCHRE BERFFCHTK BERMS26
	300 CFM 5KW 208V ADJ TO 3800W OR 2500W SURFACE MOUNTING ENCLOSURE ONLY FOR FFCH 1 POLE WALL TSTAT	BERFFCH558 BERFFCHSE BERMS26
EXTERIOR HEATER	2 ELEMENT ENCLOSER PAINTED STELL, 60A SYM. ELEMENT 208V 1500W METAL SHEATH, WIRE GUARD, PROTECTIVE SAFETY SCREEN AJUSTABLE TILT MOUNTING BRACKET	MARFRP236AS MARF3MS15208 MARFW23 MARFRPATMB
CORD REEL	10FT 13 AMP 14G KITCHEN LEASH RETRACTABLE DUAL DUPLEX FLAT BLADE KITCHEN LEASH CEILING MOUNT BRACKET	APCKL-101214-D APCKLCB
HAND DRYER	110-120V, 10 AMP, 1200 WATTS AUTOMATIC, ALUMINUM BLACK RECESSED ADA KIT	K-162P KKR-973

SPEAKER

J-BOX FOR TV CABLE

TRANSFORMER

PUSHBUTTON

BUZZER/BELL

MOTION SENSOR

DUCT SMOKE DETECTOR

1) CONTACT DANA BRUCE OR SANDY HINES AT 877-707-7378 FOR ALL ITEMS FROM ACCUSERV.

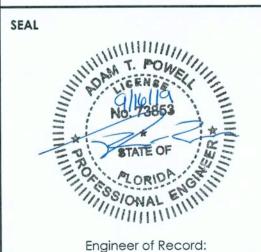
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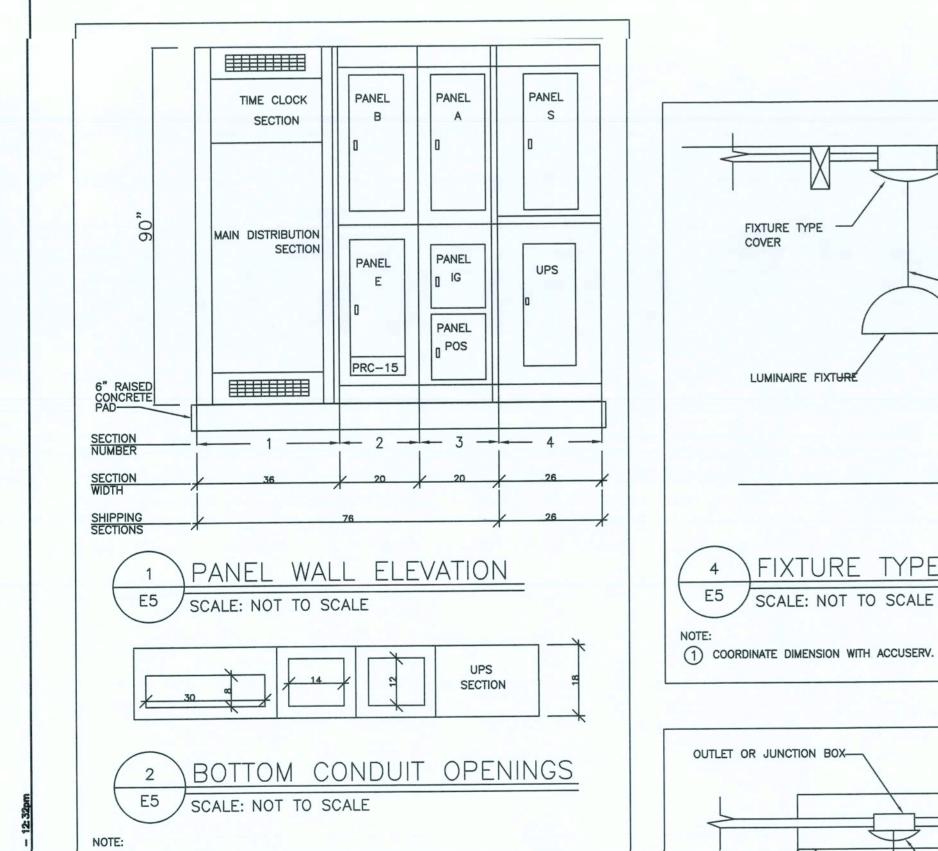
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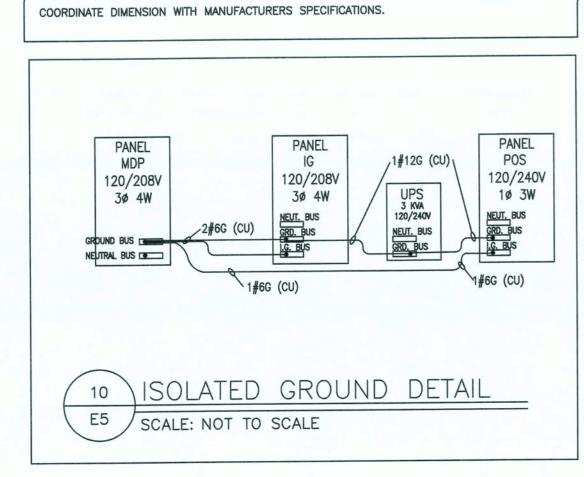
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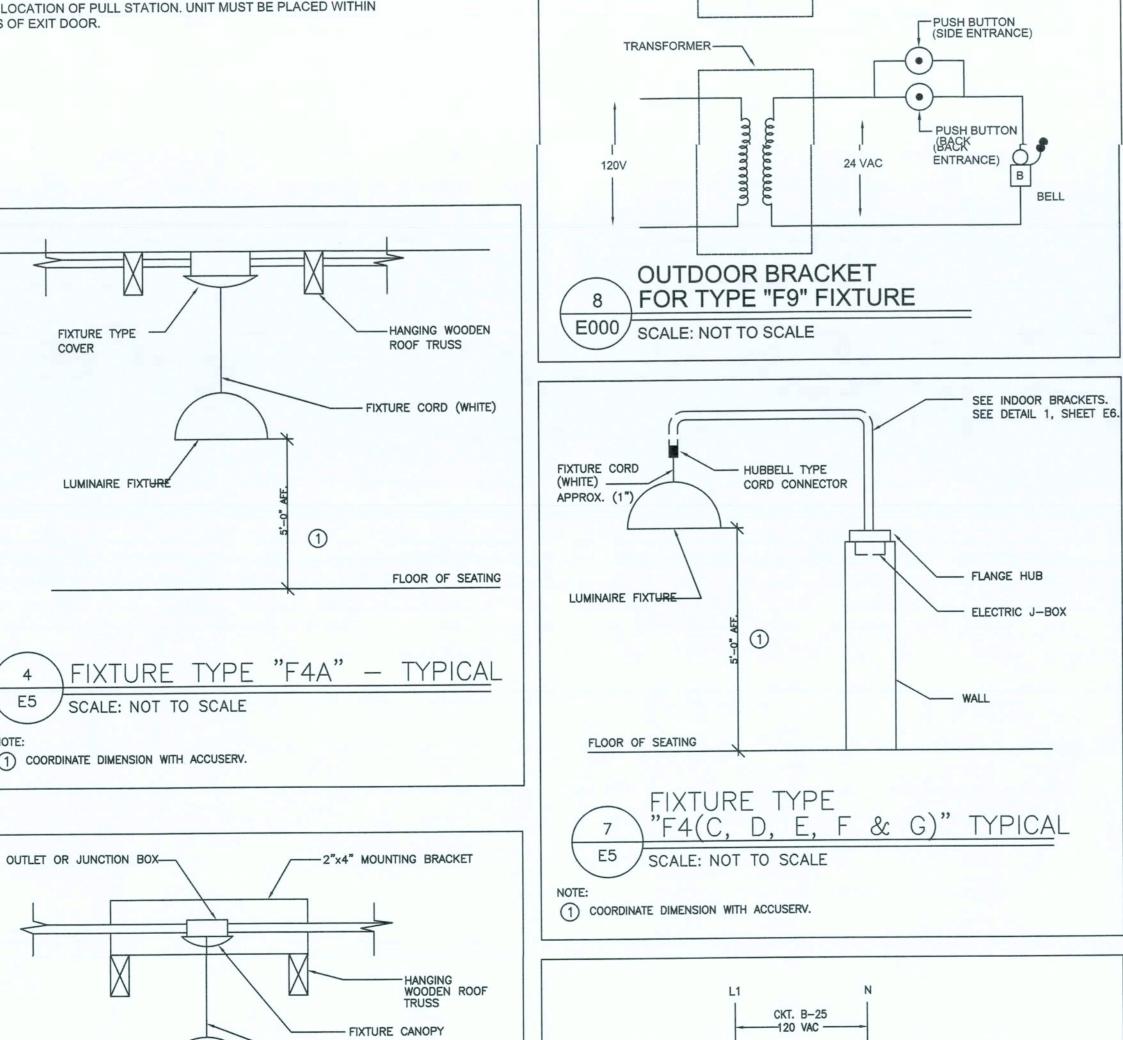
ELECTRICAL SYMBOLS AND ABBREIVATIONS

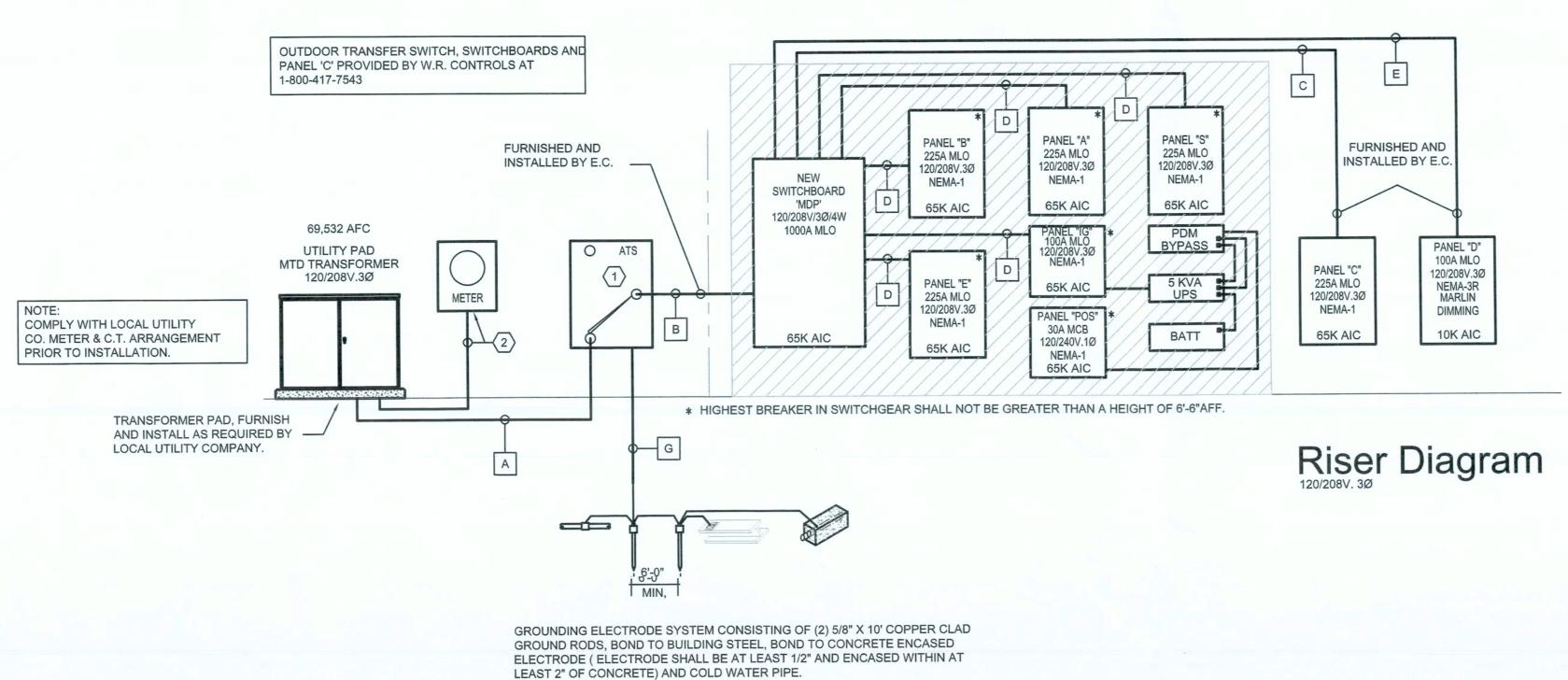
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	RISER DIAGRAM - WIRE TAG LEGEND
А	4 SETS: (4) #350 MCM AL. IN 3 1/2"C. EACH
В	4 SETS: (4) #350 MCM AL, (1) #2/0 CU E.G. IN 3 1/2"C. EACH
С	(4) #300 MCM AL, (1) #4 CU E.G. IN 3"C.
D	WIRED BY IFS MANUFACTURER.
E	(4) #1 AL, (1) #8 CU E.G. IN 1 1/2"C.
G	#3/0 CU GRD AND 5/8" DRIVEN RODS PER NEC AND LOCAL CODE. BOND TO BUILDING STEEL AND/OR COLD WATER WHERE APPLICABLE.

— (KEYED DRAWING NOTES ——

100% RATED, 65KAIC 1000/3P/NEMA 3R SERVICE RATED TRANSFER SWITCH WITH 1000A BREAKER PROTECTION, ON NORMAL AND EMERGENCY SIDE. (FURNISHED BY OWNER AND INSTALLED BY E.C.). TRANSFER SWITCH SHALL BE 3-POLES. GENERATOR CONNECTED SHALL NOT BE CONFIGURED AS SEPARATELY DERIVED SOURCE

UTILITY COMPANY METER, PROVIDE 1-1/4" EMPTY CONDUIT.

GENERAL NOTES

- TEXAS ROADHOUSE TO SUPPLY THE FOLLOWING ELECTRICAL DISTRIBUTION EQUIPMENT. EC TO SUPPLY ALL LABOR TO UNLOAD AND INSTALL DISTRIBUTION EQUIPMENT:
- A) SWITCHBOARD MDP WITH FACTORY INSTALLED PANELBOARDS MDP, A, B, E, S, POS & IG. B) PANELBOARDS C AND D WILL BE SUPPLIED AS LOOSE COMPONENTS:
- BACK BOX, INTERIOR & TRIM. FACTORY INSTALLED TIME CLOCK. CONNECT TO E-26. D) MAIN EXTERIOR 1000 AMP DISCONNECT SWITCH.
- E) FACTORY INSTALLED TVSS. CONNECT TO IG- 14/16/18
- EC TO CHECK AD TIGHTEN ALL ELECTRICAL CONNECTIONS BEFORE ENERGIZING.
- ALL CABLING BETWEEN THE MDP MAIN BREAKERS AND THE INDIVDUALL PANELBOARDS IN PANEL WALL IS FACTORY SUPPLIED. EC IS RESPONSIBLE FOR THE FIELD TERMINATION OF EACH CABLE.
- ALL WIRING BETWEEN PANELBOARD E, PANELBOARD IG, THE FACTORY SUPPLIED TIME CLOCKS AND THE FACTORY SUPPLIED LIGHTING CONTROL SYSTEM IS FACTORY INSTALLED.
- FACTORY INSTALLED 120 VAC SHUNT TRIP DEVICE IN MDP BREAKER THAT FEEDS PANEL S. . SWITCHBOARD WILL SHIP IN (1) VERTICAL SECTION AS SHOWN ON SHEET

EC TO SUPPLY AND INSTALL ALL MATERIALS REQUIRED TO ACTIVATE THE

ALL CONDUITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

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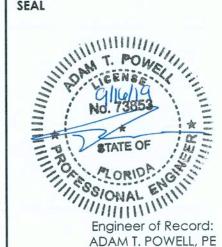
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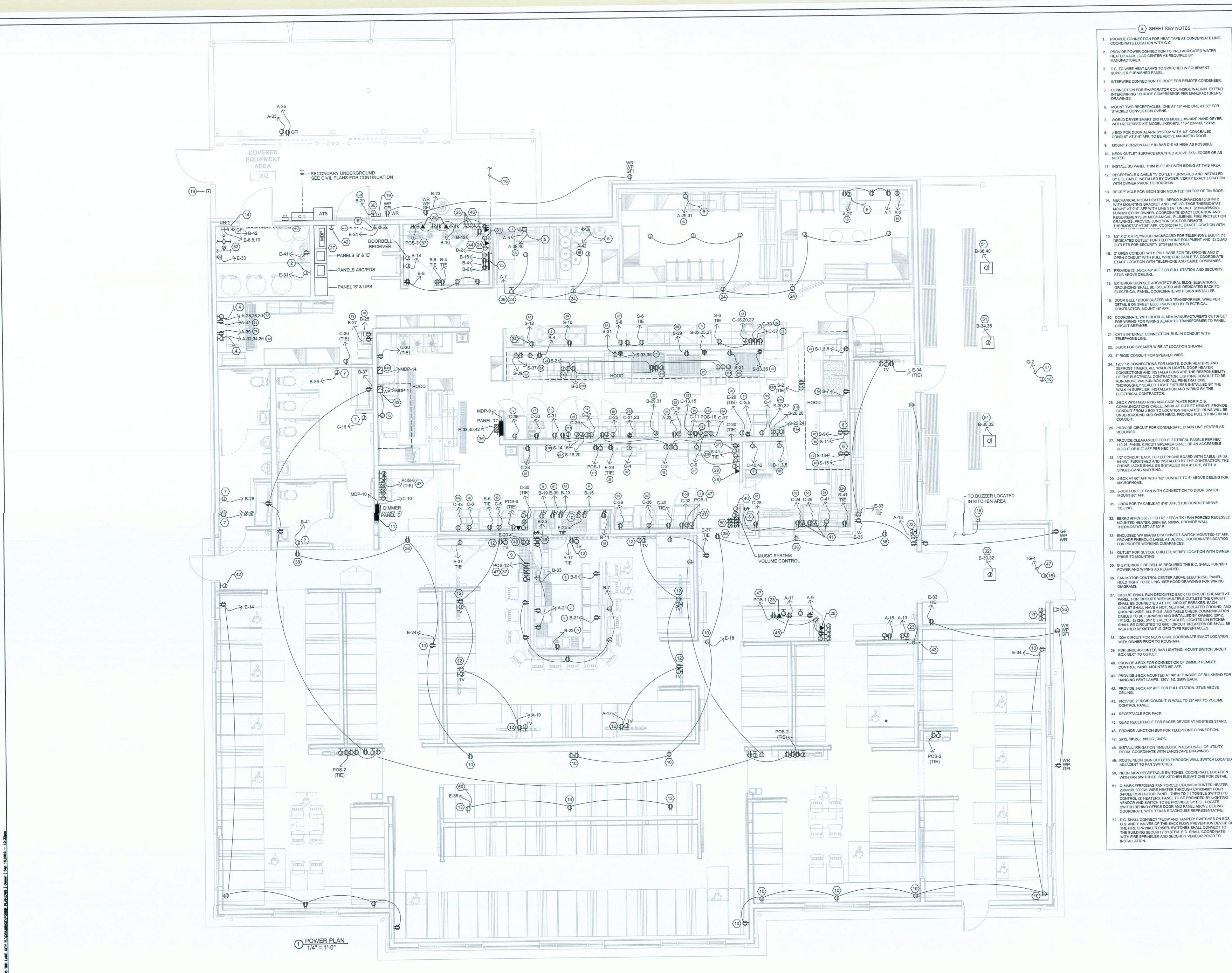
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CHECKED BY:

ELECTRICAL RISER DIAGRAM

SHEET NUMBER

E001



- (#) SHEET KEY NOTES -

- PROVIDE CONNECTION FOR HEAT TAPE AT CONDENSATE LINE. COORDINATE LOCATION WITH G.C.
- PROVIDE POWER CONNECTION TO PREFABRICATED WATER HEATER RACK LOAD CENTER AS REQUIRED BY
- 3. E.C. TO WIRE HEAT LAMPS TO SWITCHES IN EQUIPMENT
- 4. INTERWIRE CONNECTION TO ROOF FOR REMOTE CONDENSER.
- 5. CONNECTION FOR EVAPORATOR COIL INSIDE WALK-IN. EXTEND INTERIWIRING TO ROOF COMPRESSOR PER MANUFACTURER'S
- WORLD DRYER SMART DRI PLUS MODEL #K-162P HAND DRYER,
- WITH RECESSED KIT MODEL #KKR-973, 110-120V/1Ø, 1200W.
- . J-BOX FOR DOOR ALARM SYSTEM WITH 1/2" CONCEALED CONDUIT AT 5'-6" AFF. TO BE ABOVE MAGNETIC DOOR.
- MOUNT HORIZONTALLY IN BAR DIE AS HIGH AS POSSIBLE.
- 10. NEON OUTLET SURFACE MOUNTED ABOVE 2X8 LEDGER OR AS 11. INSTALL SO PANEL TRIM IS FLUSH WITH SIDING AT THIS AREA.
- 12. RECEPTACLE & CABLE TV OUTLET FURNISHED AND INSTALLED BY E.C. CABLE INSTALLED BY OWNER. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 4. MECHANICAL ROOM HEATER BERKO HUHAA520/B10/UHMT2 WITH MOUNTING BRACKET AND LINE VOLTAGE THERMOSTAT. MOUNT AT 9'-0" AFF WITH LINE STAT ON UNIT. (208V/3Ø/5KW). FURNISHED BY OWNER. COORDINATE EXACT LOCATION AND REQUIREMENTS W/ MECHANICAL, PLUMBING, FIRE PROTECTION DRAWINGS. PROVIDE JUNCTION BOX FOR REMOTE
- 15. 1/2" X 2' X 4' PLYWOOD BACKBOARD FOR TELEPHONE EQUIP. (1) DEDICATED OUTLET FOR TELEPHONE EQUIPMENT AND (2) QUAD OUTLETS FOR SECURITY SYSTEM VENDOR.
- 16. 2" OPEN CONDUIT WITH PULL WIRE FOR TELEPHONE AND 2" OPEN CONDUIT WITH PULL WIRE FOR CABLE TV, COORDINATE EXACT LOCATION WITH TELEPHONE AND CABLE COMPANIES.
- 7. PROVIDE (3) J-BOX 48" AFF FOR PULL STATION AND SECURITY. STUB ABOVE CEILING.
- 18. EXTERIOR SIGN SEE ARCHITECTURAL BLDG. ELEVATIONS. GROUNDING SHALL BE ISOLATED AND DEDICATED BACK TO ELECTRICAL PANEL, COORDINATE WITH SIGN INSTALLER.
- 19. DOOR BELL / DOOR BUZZER AND TRANSFORMER. WIRE PER DETAIL 8 ON SHEET E000, PROVIDED BY ELECTRICAL CONTRACTOR. MOUNT 48" AFF.
- 20. COORDINATE WITH DOOR ALARM MANUFACTURER'S CUTSHEET FOR WIRING FOR WIRING ALARM TO TRANSFORMER TO PANEL CIRCUIT BREAKER.
- 21. CAT 5 INTERNET CONNECTION. RUN IN CONDUIT WITH TELEPHONE LINE.
- 22. J-BOX FOR SPEAKER WIRE AT LOCATION SHOWN. 23. 1" RIGID CONDUIT FOR SPEAKER WIRE.
- 24. 120V 1Ø CONNECTIONS FOR LIGHTS, DOOR HEATERS AND CONNECTIONS AND INSTALLATIONS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. LIGHTING CONDUIT TO BE RUN ABOVE WALK-IN BOX AND ALL PENETRATIONS
- J-BOX WITH MUD RING AND FACE PLATE FOR P.O.S.
 COMMUNICATIONS CABLE, J-BOX AT OUTLET HEIGHT. PROVIDE CONDUIT FROM J-BOX TO LOCATION INDICATED. RUNS WILL BE UNDERGROUND AND OVER HEAD. PROVIDE PULL STRING IN ALL
- 26. PROVIDE CIRCUIT FOR CONDENSATE DRAIN LINE HEATER AS
- 27. PROVIDE CLEARANCES FOR ELECTRICAL PANELS PER NEC 110.26. PANEL CIRCUIT BREAKER SHALL BE AN ACCESSIBLE HEIGHT OF 6'-7" AFF PER NEC 404.8.
- 28. 1/2" CONDUIT BACK TO TELEPHONE BOARD WITH CABLE (24 GA., 64 4W). FURNISHED AND INSTALLED BY THE CONTRACTOR. THE PHONE JACKS SHALL BE INSTALLED IN A 4" BOX, WITH A SINGLE-GANG MUD RING.
- 29. J-BOX AT 60" AFF WITH 1/2" CONDUIT TO 6" ABOVE CEILING FOR MICROPHONE.
- 30. J-BOX FOR FLY FAN WITH CONNECTION TO DOOR SWITCH. MOUNT 86" AFF.
- 32. BERKO #FFCH558 / FFCH RE / FFCH-TK / FAN FORCED RECESSED MOUNTED HEATER, 208V/1Ø, 5000W. PROVIDE WALL THERMOSTAT SET AT 60° F. 33. ENCLOSED WP 60A/3Ø DISCONNECT SWITCH MOUNTED 43" AFF.
- FOR PROPER WORKING CLEARANCES. 34. OUTLET FOR GLYCOL CHILLER, VERIFY LOCATION WITH OWNER
- PRIOR TO MOUNTING. 35. IF EXTERIOR FIRE BELL IS REQUIRED THE E.C. SHALL FURNISH
- POWER AND WIRING AS REQUIRED. 36. FAN MOTOR CONTROL CENTER ABOVE ELECTRICAL PANEL,
- HOLD TIGHT TO CEILING. SEE HOOD DRAWINGS FOR WIRING 37. CIRCUIT SHALL RUN DEDICATED BACK TO CIRCUIT BREAKER AT
- PANEL, FOR CIRCUITS WITH MULTIPLE OUTLETS THE CIRCUIT SHALL BE CONNECTED AT THE CIRCUIT BREAKER. EACH CIRCUIT SHALL HAVE A HOT, NEUTRAL, ISOLATED GROUND, AND GROUND WIRE. ALL P.O.S. AND TABLE CHECK COMMUNICATION CABLES TO BE FURNISHD AND INSTALLED BY OWNER. (2#12, 1#12IG., 1#12G., 3/4" C.) RECEPTACLES LOCATED LIN KITCHEN SHALL BE CIRCUITED TO GFCI CIRCUIT BREAKERS OR SHALL BE WEATHER RESISTANT IG-GFCI TYPE RECEPTACLES.
- 38. 120V CIRCUIT FOR NEON SIGN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 39. FOR UNDERCOUNTER BAR LIGHTING, MOUNT SWITCH UNDER BOX NEXT TO OUTLET.
- 40. PROVIDE J-BOX FOR CONNECTION OF DIMMER REMOTE CONTROL PANEL MOUNTED 60" AFF. 41. PROVIDE J-BOX MOUNTED AT 96" AFF INSIDE OF BULKHEAD FOR
- HANGING HEAT LAMPS. 120V, 1Ø, 250W EACH. 42. PROVIDE J-BOX 48" AFF FOR PULL STATION. STUB ABOVE
- 43. PROVIDE 2" RIGID CONDUIT IN WALL TO 28" AFF TO VOLUME CONTROL PANEL.
- 44. RECEPTACLE FOR FACP.
- 45. QUAD RECEPTACLE FOR PAGER DEVICE AT HOSTESS STAND. 46. PROVIDE JUNCTION BOX FOR TELEPHONE CONNECTION. 47. 2#12, 1#12G., 1#12IG., 3/4"C.
- 48. INSTALL IRRIGATION TIMECLOCK IN REAR WALL OF UTILITY ROOM. COORDINATE WITH LANDSCAPE DRAWINGS.
- ROUTE NEON SIGN OUTLETS THROUGH WALL SWITCH LOCATED ADJACENT TO FAN SWITCHES.
- 50. NEON SIGN RECEPTACLE SWITCHES. COORDINATE LOCATION WITH FAN SWITCHES. SEE KITCHEN ELEVATIONS FOR DETAIL.
- 51. Q-MARK #FRP236AS FAN FORCED CEILING MOUNTED HEATER, 208V/1Ø, 3000W, WIRE HEATER THROUGH CP1004801 FOUR 3-POLE CONTACTOR PANEL, THEN TO (1) TOGGLE SWITCH TO CONTROL (3) HEATERS. PANEL TO BE PROVIDED BY LIGHTING VENDOR AND SWITCH TO BE PROVIDED BY E.C.. LOCATE NO. SWITCH BEHIND OFFICE DOOR AND PANEL ABOVE CEILING.
- 52. E.C. SHALL CONNECT "FLOW AND TAMPER" SWITCHES ON BOS O.S. AND Y VALVES OF THE BACK FLOW PREVENTION DEVICE ON THE FIRE SPRINKLER RISER. SWITCHES SHALL CONNECT TO THE BUILDING SECURITY SYSTEM. E.C. SHALL COORDINATE WITH FIRE SPRINKLER AND SECURITY VENDOR PRIOR TO

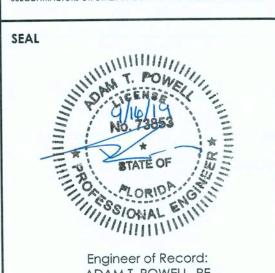
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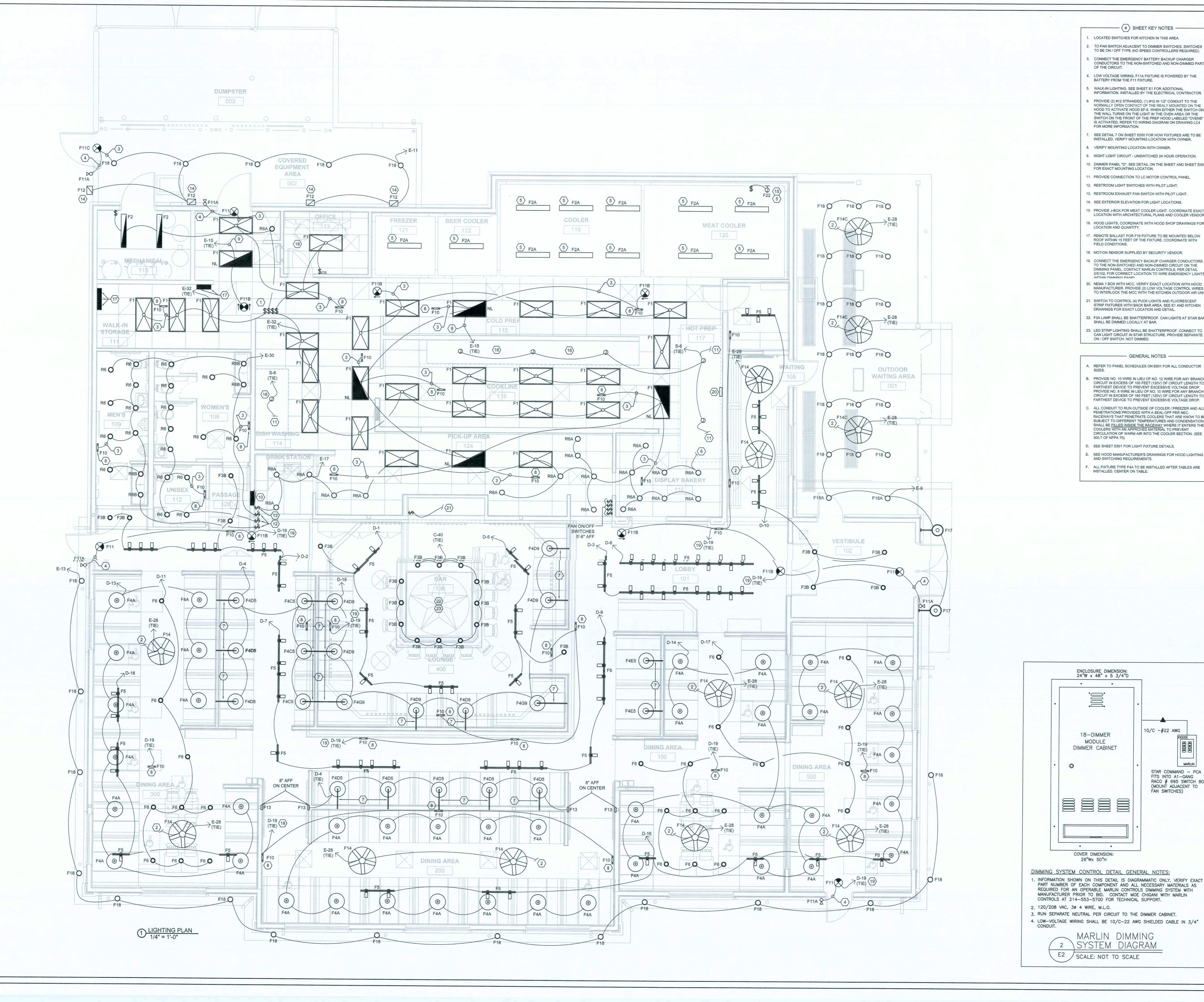
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angle$ sheet key notes -

- LOCATED SWITCHES FOR KITCHEN IN THIS AREA.
- . TO FAN SWITCH ADJACENT TO DIMMER SWITCHES. SWITCHES
- TO BE ON / OFF TYPE (NO SPEED CONTROLLERS REQUIRED). . CONNECT THE EMERGENCY BATTERY BACKUP CHARGER CONDUCTORS TO THE NON-SWITCHED AND NON-DIMMED PART
- OF THE CIRCUIT. . LOW VOLTAGE WIRING. F11A FIXTURE IS POWERED BY THE
- BATTERY FROM THE F11 FIXTURE.
- . WALK-IN LIGHTING. SEE SHEET E1 FOR ADDITIONAL INFORMATION. INSTALLED BY THE ELECTRICAL CONTRACTOR. . PROVIDE (2) #12 STRANDED, (1) #12 IN 1/2" CONDUIT TO THE
- NORMALLY OPEN CONTACT OF THE REALY MOUNTED ON THE HOOD TO ACTIVATE HOOD EF-6. WHEN EITHER THE SWITCH ON THE WALL TURNS ON THE LIGHT IN THE OVEN AREA OR THE SWITCH ON THE FRONT OF THE PREP HOOD LABELED "OVENS" IS ACTIVATED. REFER TO WIRING DIAGRAM ON DRAWING LC4 FOR MORE INFORMATION.

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- SEE DETAIL 7 ON SHEET E000 FOR HOW FIXTURES ARE TO BE INSTALLED. VERIFY MOUNTING LOCATION WITH OWNER.
- 8. VERIFY MOUNTING LOCATION WITH OWNER. 9. NIGHT LIGHT CIRCUIT - UNSWITCHED 24 HOUR OPERATION.
- 10. DIMMER PANEL "D", SEE DETAIL ON THE SHEET AND SHEET E000 FOR EXACT MOUNTING LOCATION.
- 1. PROVIDE CONNECTION TO LC MOTOR CONTROL PANEL.
- 12. RESTROOM LIGHT SWITCHES WITH PILOT LIGHT.
- 13. RESTROOM EXHAUST FAN SWITCH WITH PILOT LIGHT.
- 14. SEE EXTERIOR ELEVATION FOR LIGHT LOCATIONS.
- 15. PROVIDE J-BOX FOR MEAT COOLER LIGHT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS AND COOLER VENDOR.
- 16. HOOD LIGHTS, COORDINATE WITH HOOD SHOP DRAWINGS FOR LOCATION AND QUANTITY.
- 7. REMOTE BALLAST FOR F16 FIXTURE TO BE MOUNTED BELOW ROOF WITHIN 15 FEET OF THE FIXTURE. COORDINATE WITH FIELD CONDITIONS.
- 18. MOTION SENSOR SUPPLIED BY SECURITY VENDOR.
- 19. CONNECT THE EMERGENCY BACKUP CHARGER CONDUCTORS TO THE NON-SWITCHED AND NON-DIMMED CIRCUIT ON THE DIMMING PANEL. CONTACT MARLIN CONTROLS, PER DETAIL 2/E102, FOR CORRECT LOCATION TO WIRE EMERGENCY LIGHTS WITHIN DIMMING PANEL
- 20. NEMA 1 BOX WITH MCC. VERIFY EXACT LOCATION WITH HOOD MANUFACTURER. PROVIDE (2) LOW VOLTAGE CONTROL WIRES
- TO INTERLOCK THE MCC WITH THE KITCHEN OUTDOOR AIR UNIT. 1. SWITCH TO CONTROL (4) PUCK LIGHTS AND FLUORESCENT STRIP FIXTURES WITH BACK BAR AREA. SEE E1 AND KITCHEN DRAWINGS FOR EXACT LOCATION AND DETAIL.
- 22. F3A LAMP SHALL BE SHATTERPROOF. CAN LIGHTS AT STAR BAR
- SHALL BE DIMMED LOCALLY AT BAR.
- 23. LED STRIP LIGHTING SHALL BE SHATTERPROOF. CONNECT TO CAN LIGHT CIRCUIT IN STAR STRUCTURE. PROVIDE SEPARATE

ON / OFF SWITCH. NOT DIMMED.

— GENERAL NOTES ———

- A. REFER TO PANEL SCHEDULES ON E601 FOR ALL CONDUCTOR
- 3. PROVIDE NO. 10 WIRE IN LIEU OF NO. 12 WIRE FOR ANY BRANCH CIRCUIT IN EXCESS OF 100 FEET (120V) OF CIRCUIT LENGTH TO FARTHEST DEVICE TO PREVENT EXCESSIVE VOLTAGE DROP. PROVIDE NO. 8 WIRE IN LIEU OF NO. 10 WIRE FOR ANY BRANCH CIRCUIT IN EXCESS OF 160 FEET (120V) OF CIRCUIT LENGTH TO FARTHEST DEVICE TO PREVENT EXCESSIVE VOLTAGE DROP.
- PENETRATIONS PROVIDED WITH A SEAL-OFF PER NEC. SUBJECT TO DIFFERENT TEMPERATURES AND CONDENSATION SHALL BE <u>FILLED INSIDE THE RACEWAY</u> WHERE IT ENTERS THE COOLERS WITH AN APPROVED MATERIAL TO PREVENT CIRCULATION OF WARM AIR INTO THE COOLER SECTION. (SEE 300.7 OF NFPA 70).

. ALL CONDUIT TO RUN OUTSIDE OF COOLER / FREEZER AND ALL

D. SEE SHEET E501 FOR LIGHT FIXTURE DETAILS.

ENCLOSURE DIMENSION: 24"W x 48" x 5 3/4"D

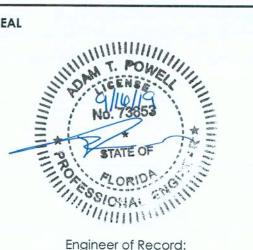
18-DIMMER MODULE DIMMER CABINET

COVER DIMENSION: 26"Wx 50"H

MARLIN DIMMING SYSTEM DIAGRAM

- . SEE HOOD MANUFACTURER'S DRAWINGS FOR HOOD LIGHTING AND SWITCHING REQUIREMENTS.
- ALL FIXTURE TYPE F4A TO BE INSTALLED AFTER TABLES ARE INSTALLED. CENTER ON TABLE.

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Engineer of Record: ADAM T. POWELL, PE

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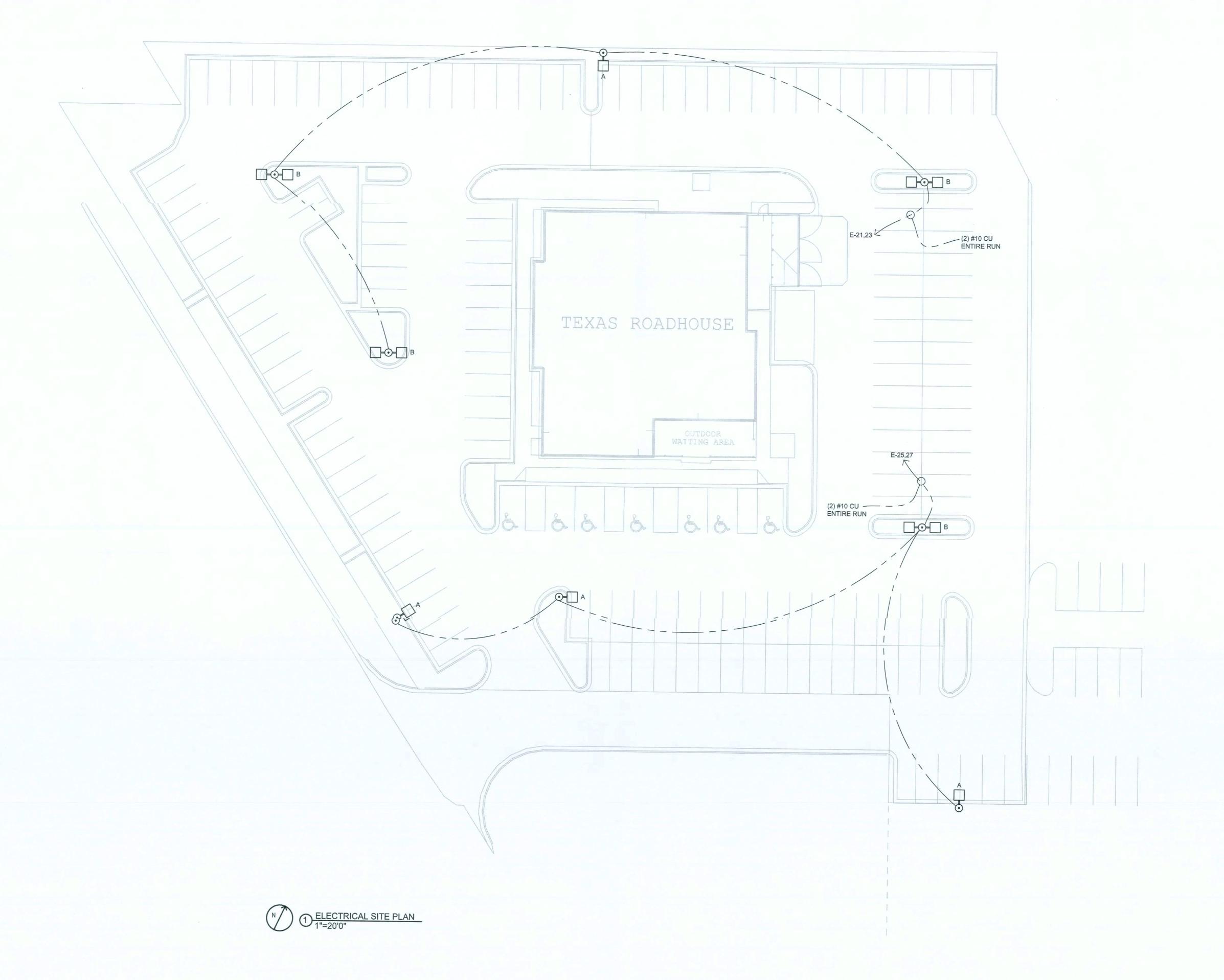
PROJECT INFORMATION BLOCK 09/19/2019 DRAWN BY:

CHECKED BY: SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

E102





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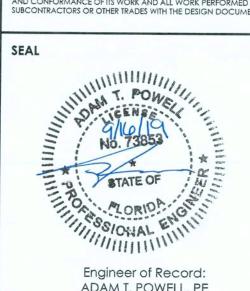
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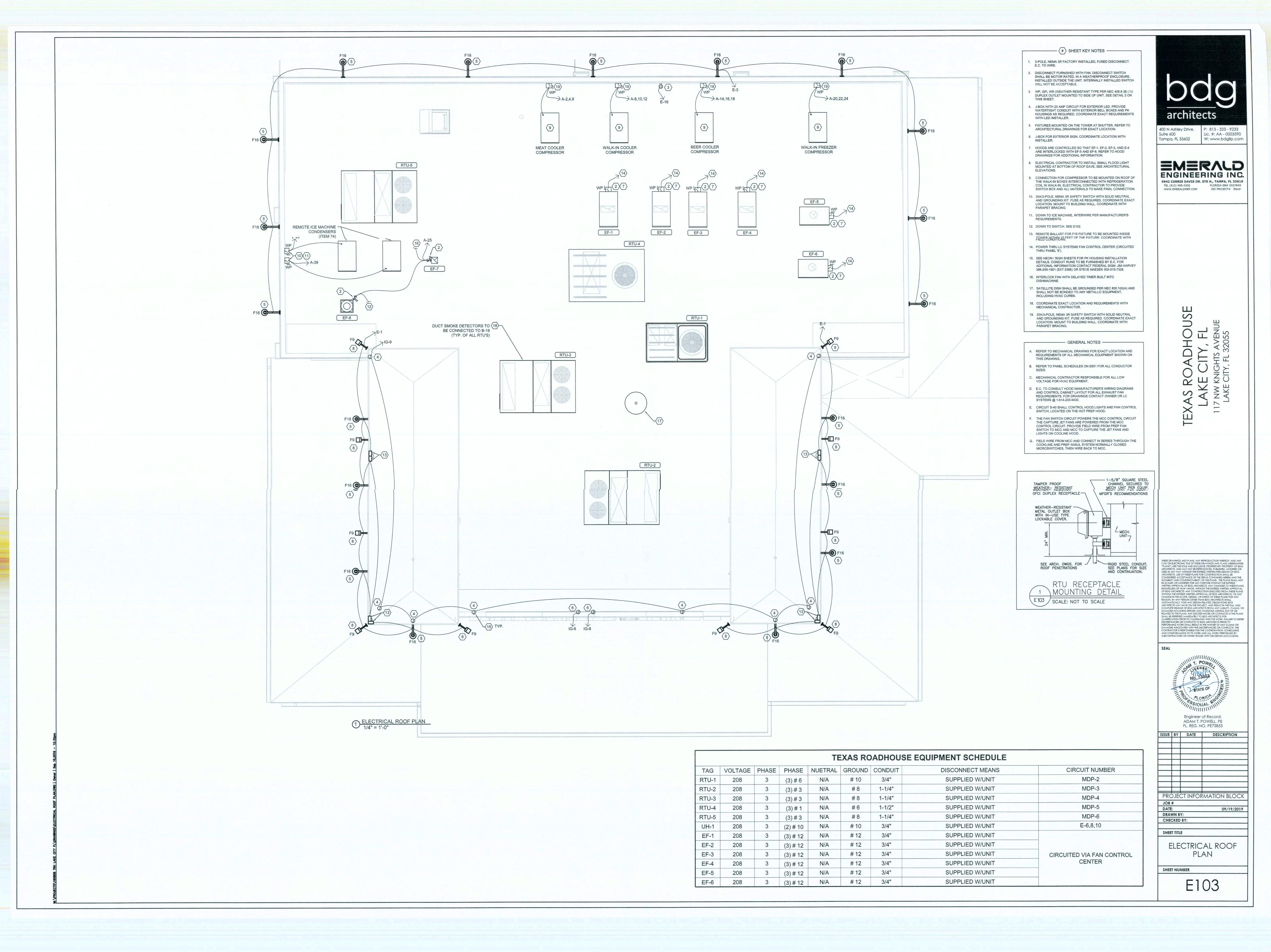
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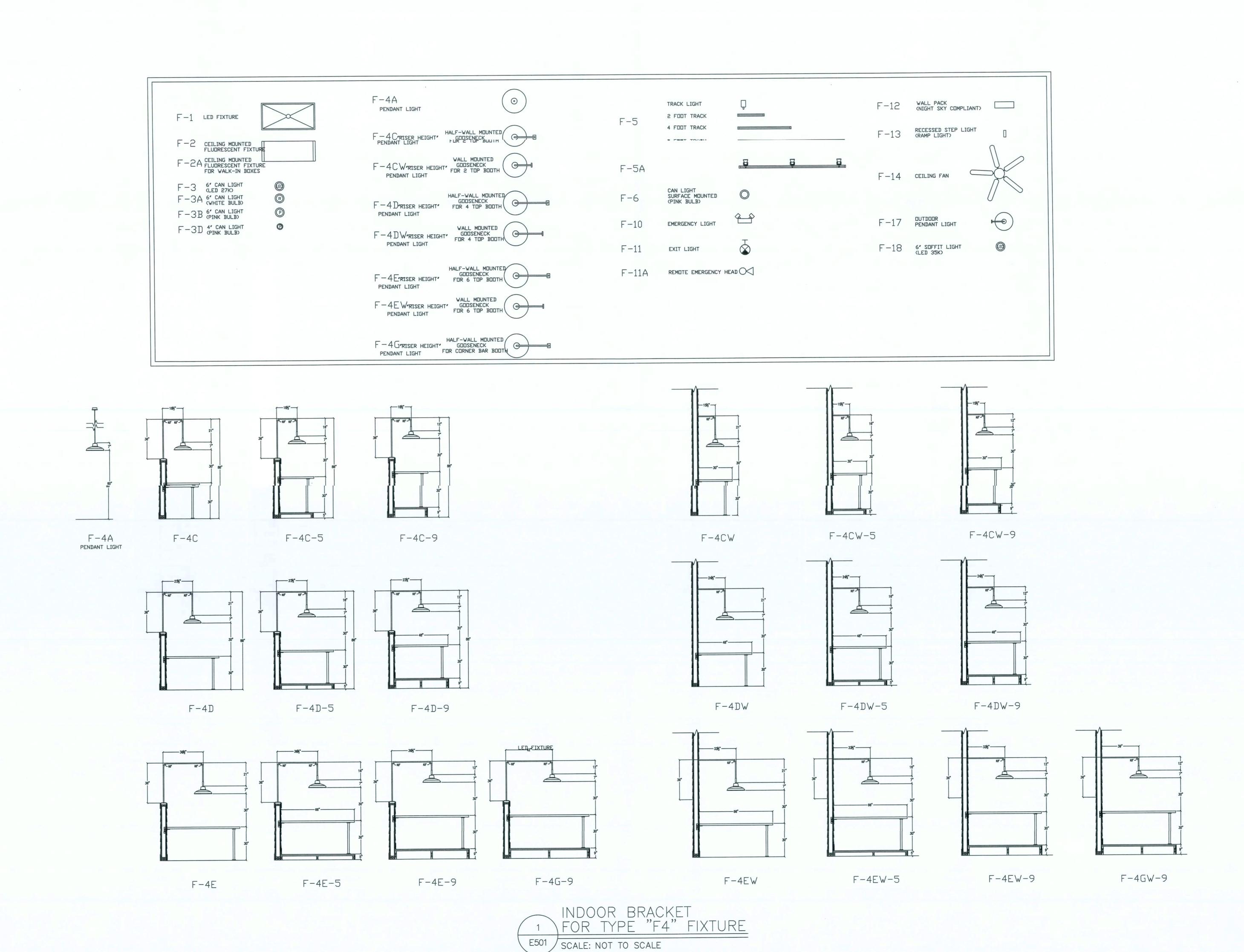
SHEET TITLE

ELECTRICAL SITE PLAN

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E102.1





NOTE:

1 COORDINATE DIMENSIONS WITH ACCUSERV.



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Engineer of Record: ADAM T. POWELL, PE

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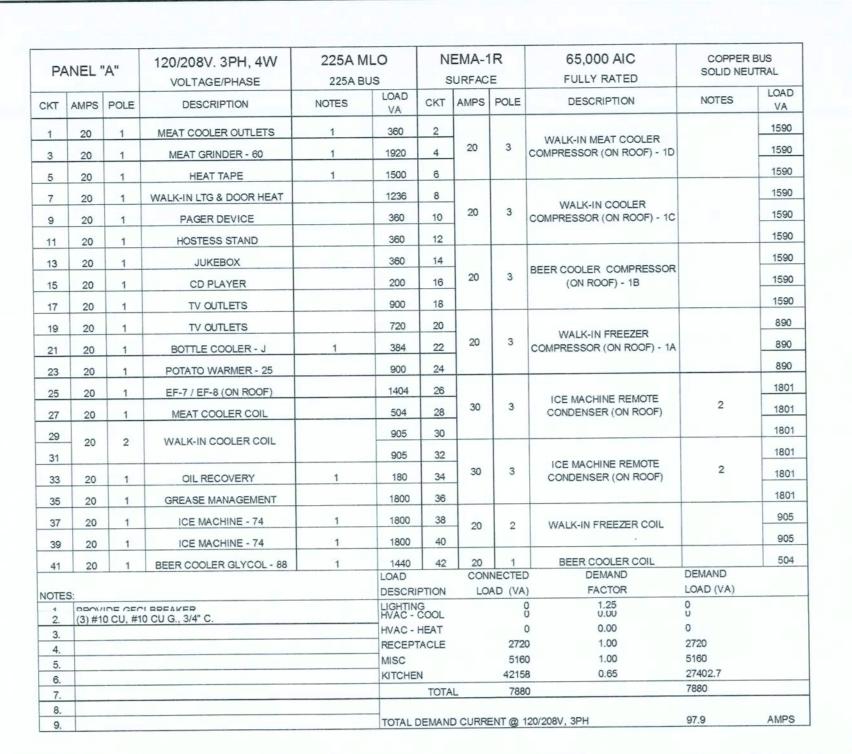
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JOB	#		
DATE	:		09/19/2019

DRAWN BY: CHECKED BY:

SHEET TITLE ELECTRICAL DETAILS

SHEET NUMBER

E501



PA	NEL '	'E"	120/208V. 3PH, 4W VOLTAGE/PHASE	225A ML 225A BU			EMA-1		65,000 AIC FULLY RATED	COPPER SOLID NE	
CKT	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA
1	20	1	TOWER FLOOD LIGHTS	1	750	2	20	1	DISPLAY AND PREP LIGHTS		55
3	20	1	EXTERIOR BLDG LIGHTS	1	600	4	20	1	REAR BLDG. SECURITY LTG		300
5	20	1	TOWER LIGHTS	1	500	6					1667
7	20	1	TOWER FLOOD LIGHTS	1	750	8	30	3	MECHANICAL ROOM HEATER	4	1667
9	20	1	EXTERIOR LIGHTS	1	138	10					1667
	20	1	EXTERIOR BLDG LIGHTS	1	48	12	20	1	PREP AREA & OFFICE LIGHTS		578
11	20	1	EXTERIOR LIGHTS	1	144	14	20	1	NEON OUTLETS		900
13		1	NIGHT LIGHT / EMERG. CKT.	5	250	16	20	1	ROOF OUTLETS		1260
15	20		KITCHEN LIGHTS		166	18	20	1	NEON OUTLETS		1620
17	20	1	EXTERIOR LIGHTS	1	500	20	20	1	STAR BAR LED		1000
19	20	1	EXTERIOR LIGHTS		742	22	20	1	SPARE		0
21	20	2	SITE LIGHTING		742	24	20	1	NEON OUTLETS		720
23					636	26	20	1	TIME CLOCK		1000
25	20	2	SITE LIGHTING		636	28	20	1	DINING / WAITING FANS		1500
27			2017111711 00		1320	30	20	1	RESTROOM LIGHTS		204
29	20	1	COLD WELL - 26	6		32	20	1	DISH ROOM & PREP LTG		508
31	20	1	GAS WATER HEATER	6	180		20	1	NEON OUTLETS		1260
33	20	1	CONVENIENCE RCPT	6	720	34					540
35	20	11	VISUAL PAGING		900	36	20	1	TIN CABLING OUTLETS		3170
37	20	1	VISUAL PAGING		540	38	30	3	FAN CONTROL CENTER LC		
39	20	111	CHILLED BEVERAGE - N1	6	660	40	1 30		SYSTEM		3170
41	20	1	WATER SOFTENER		LOAD	42	CON	NECTED	DEMAND	DEMAND	3170
NOTE	٥.				DESCRI	PTION		AD (VA		LOAD (VA)	
-	_	CIRCIII	TS ARE ROUTED THROUGH SMAR	RT BREAKER	LIGHTIN	G		9247	1.25	11558.75	
1.		A. TC3-C		better it that if	HVAC -	COOL			0.00	0	
2.					HVAC -			2520	0.00	0 2520	
	COOR	DINATE	ITS WITH SIGN .		ACLE		2423		24231		
3.	THESE CIDCUITS ARE POLITED THROUGH SMART PREAKER				MISC KITCHEN			1980		1287	
3.	THESE CIRCUITS ARE ROUTED THROUGH SMART BREAKER, ZONE A. TC2-CB.					TOTAL		3599		38309.75	
4.		DINATE V	WIRING WITH MECHANICAL CON	TRACTOR							
5.	_		DLE LOCK-ON DEVICE								
6			BREAKER.		TOTAL DEMAND CURRENT @ 120/208V, 3PH					109.9	AMPS

PA	NEL "	G"	120/208V. 3PH, 4W 100A ML VOLTAGE/PHASE 225A BUS						65,000 AIC FULLY RATED	COPPER BUS SOLID NEUTRAL	
СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA
1					1440	2	20	1	EXTERIOR TAKE OUT SIGN	1,2,3	463
3	20	2	3KVA UPS		1080	4	20	1	EXTERIOR SIGN	1,2,3	926
5	20	1 MONUMENT SIGN 1,2,3 1647		6	20	1	EXTERIOR SIGN (FRONT)	1,2,3	1008		
7	20	1	MONUMENT SIGN	1,2,3	1647	8	20	1	EXTERIOR SIGN (FRONT)	1,2,3	1008
9	20	1	MONUMENT SIGN	1,2,3		10	20	1	SPARE		0
11	20	1	MONUMENT SIGN	1,2,3	1647	12	20	1	SPARE		0
13	20	1	SPARE		0	14					0
15	20	1	SPARE		0	16	20	3	TVSS		0
17	20	1	SPARE		0	18					0
OTES					LOAD DESCRIP	PTION		NECTED	DEMAND FACTOR	DEMAND LOAD (VA)	
		CIRCUIT	TS ARE ROUTED THROUGH SMA	RT BREAKER.	LIGHTING	3		0	0.00	0	
1.		. TC1-C			HVAC - C	COOL		0	0.00	0	
_	COORE	INATE II	NSTALLATION REQUIREMENTS \	WITH SIGN	HVAC - H	HEAT		0	0.00	0	
2.	SUPPL				RECEPT	ACLE		0	0.00	0	
	NEON	150 70	ANSFORMERS ARE UL 2161 LIS	TED AND	MISC			12514	1.00	12513.6	
			ONDARY GROUND FAULT PROTE		KITCHEN	¥.		10610	0.65	6896.76	
3.						TOTAL		12514		12513.6	
	DEDIC	GROUNDING FOR THESE CIRCUITS SHALL BE ISOLATED AND DEDICATED. COORDINATE WITH SIGN / NEON / LED INSTALLER					CURRE	NT @ 12	0/208V, 3PH	34.7	AMPS

PA	ANEL'	В"	120/208V. 3PH, 4W VOLTAGE/PHASE	225A N 225A B			EMA-1		65,000 AIC FULLY RATED	COPPER SOLID NE	
СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA
1					1200	2	20	1	FACP	2	0
3	20	3	MIXER - 58		1200	4	20	1	SECURITY SYSTEM		1500
5					1200	6	20	1	SECURITY SYSTEM		1500
7	20	1	USB OUTLETS @ BAR	1	900	8	20	1	OFFICE OUTLETS		720
9	20	1	MUG FROSTER - E	1	852	10	20	1	OFFICE OUTLETS		540
11	20	1	COCKTAIL MACHINE - M	1	1560	12	20	1	MUSIC SYSTEM		800
13	20	1	U/C REFRIG R1	1	900	14	20	1	CABLE TV OUTLETS		1000
15	20	1	LIQUOR DISPLAY - P	1	500	16	20	1	TELEPHONE BACKBOARD		360
17	20	1	GLASS WASHER - G	1	864	18	20	1	DUCT SMOKE DETECTORS	3	380
19	20	1	CHILLED BEV. MACHINE - N	1	660	20	20	1	FLY FAN REAR DOOR		828
21	20	1	MUG FROSTER - E	1	852	22	20	1	BACK DOOR ALARM SYSTEM		200
23	20	1	EXTERIOR OUTLETS	1	540	24	20	1	BACK DOOR CAMERA OUTLET		1000
25	20	1	CARBONATOR - 78	1	840	26	20	1	HAND DRYER - RESTROOMS		1200
27	20	1	CARBONATOR - 78	1	756	28	20	1	HAND DRYER - RESTROOMS		1200
29					1872	30	-00		EXTERIOR WAITING HEATER		1500
31	25	2	TRIPLE HOT WELLS - 23	4	1872	32	20	2	EXTERIOR WAITING HEATER		1500
33	20	1	GP OUTLETS @ BAR	1	360	34	-00		EXTERIOR WAITING HEATER		1500
35	20	1	UNDER BAR LIGHTS	1	1000	36	20	2	EXTERIOR WAITING REATER		1500
37	20	1	GP OUTLETS		1080	38			SYTERIOR WAITING LIFATER		1500
39	20	1	HAND DRYER - RESTROOMS		1200	40	20	2	EXTERIOR WAITING HEATER		1500
41	20	1	HAND DRYER - RESTROOMS		1200	42	20	1	IRRIGATION TIME CLOCK		100
71	20	<u> </u>	THE DITTER THE THE DITTE		LOAD			NECTED		DEMAND	
NOTE	S:				DESCRI		LO	AD (VA)		LOAD (VA)	
1.	PROV	DE GFC	BREAKER. DLE LOCK-ON DEVICE.		LIGHTIN	G		1000	1.25	1250	
3.			WIRING WITH MECHANICAL CON	TRACTOR.	HVAC -	HEAT		(0.00	0	
4.			#10 CU EG., 1/2" C.		RECEPT	TACLE		4240	1.00	4240	
5.					MISC			20468		20468	
6.					KITCHE	N		16028	3 0.65	10418.2	
7.						TOTA	L	41736	6	36376.2	
8.											
9.					TOTAL !	DEMAN	CURRE	ENT @ 1	20/208V, 3PH	101.0	AMF

PA	NEL "	S"	120/208V. 3PH, 4W VOLTAGE/PHASE	225A N 225A B			EMA-		65,000 AIC FULLY RATED	COPPER SOLID NEI	
СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	СКТ	AMPS		DESCRIPTION	NOTES	LOAD
1					3000	2	20	1	12 BUTTON TIMER - 22C	1	1000
3	35	3	TILT SKILLET - 49	2	3000	4	20	1	FRYER - 9		360
					3000	6	20	1	KITCHEN OUTLETS	1	1440
5	20	4	REFRIG. STAND - 11A	1	372	8	20	1	VEGGIE SLICER - 76	1	1200
7	20	1	CONVECTION OVEN - 40	1	720	10	20	1	SALAD SPINNER - 69	1	600
9	20	1		1	720	12	20	1	BEER GLYCOL - 88	1	1200
11	20	1	CONVECTION OVEN - 40				20		DELIT OF TOTAL		1966
13	20	1	CONVECTION OVEN - 40	1.	720	14	25	2	HEAT LAMPS - 21A	2	1966
15	20	1	CONVECTION OVEN - 40	1	720	16	_				
17	20	2	COOK & HOLD - 32	1	1508	18	25	2	HEAT LAMPS - 21B	2	1851
19					1508	20	-				1851
21	20	1	REFRIG. EQUIP. STAND - 6A	1	372	22	25	2	HEAT LAMPS - 21A	2	1966
23					4747	24	-			-	1966
25	50	3	GRIDDLE - 3	4	4747	26	25	2	HEAT LAMPS - 21B	2	1851
27					4747	28					1851
29	20	1	REFRIG. EQUIP. STAND - 6B	1	372	30	20	2	HEAT LAMPS - 21C		1040
31	20	1	REFRIG. EQUIP. STAND - 6C	1	372	32					1040
33	40		GRIDDLE - 7	3	3006	34	20	2	HEAT LAMPS - 21D		1050
35	40	2	GRIDDLE - 7	5	3006	36	20				105
37	20	1	FRYER FILTER - 10A	1	1200	38	20	1	LIGHT BOX - 21E		240
39	20	1	REFRIG. STAND - 11A	1	372	40	20	1	HOOD LIGHTS		127
41	20	1	10 BUTTON TIMER - 22	1	1000	42	20	1	SPARE		0
71	20	-			LOAD			NECTED	DEMAND	DEMAND	
OTE	S:				DESCRI		LO	AD (VA)	FACTOR	LOAD (VA)	
1.			I BREAKER.		LIGHTIN			1273	1.25	1591.25 0	
2.			#10 CU EG., 3/4" C.		HVAC -			0	0.00	0	
	(2) #8 CU, (1) #10 CU EG., 3/4" C.				HVAC -			1440		1440	
4.	(3) #8	CU, (1) ;	#10 CU EG., 3/4" C.		MISC	MOLL		0		0	
5.					KITCHE	N		63257		41116.92	
6. 7.					KITOTAL	TOTA	L	65970		44148.17	
8.	-					IOIA		00010			
9.					TOTAL DEMAND CURRENT @ 120/208V, 3PH					122.5	AMPS

	PAI	NEL "P	os"	120/208V. 3PH, 4W VOLTAGE/PHASE	30A M			EMA-1		65,000 AIC FULLY RATED		PER BUS NEUTRAL
D	СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD	СКТ	AMPS		DESCRIPTION	NOTES	s LOAD VA
3	1	20	1	HOSTESS STAND		360	2	20	1	P.O.S. TERMINAL, PRINTER	1	360
6	3	20	1	OFFICE COMPUTER	1	360	4	20	1	SPARE		0
08	5	20	1	SPARE		0	6	20	1	P.O.S. TERMINAL, PRINTER	1	360
08	7	20	1	SPARE		0	8	20	1	SPARE		0
	9	20	1	SPARE		0	10	20	1	P.O.S. TERMINAL	1	360
	11	20	1	SPARE		0	12	20	1	P.O.S. TERMINAL, PRINTER	1	360
	13	20	1	SPARE		0	14	20	1	SPARE		0
	15			AMAN OUROUNT REPEALIER	9	0	16	20	1	P.O.S. PRINTERS	1	360
	17	20	2	MAIN CIRCUIT BREAKER		0	18	20	1	SPARE		0
						LOAD		CONN	ECTED	DEMAND	DEMAND	
	NOTE					DESCRI	PTION	LOA	D (VA)	FACTOR	LOAD (VA))
_	1.		CT TO IS	SOLATED GROUND BAR.		LIGHTING	3		0	0.00	0	
	2.	CONTAL	-01 10 1	SOBTIED CHOOLE BY		HVAC - (COOL		0	0.00	0	
	3.	_				HVAC - H	HEAT		0	0.00	0	
	4.	+				RECEPT	ACLE		0	0.00	0	
	5.	+				MISC			2520	1.00	2520	
	6.					KITCHEN	ı		0	0.65	0	
	7.	-					TOTAL		2520	"	2520	
-	8.					TOTAL D			NT @ 12	0/240V, 1PH		10.5 AMPS
	0.											

CKT	PANEL "C"		VOLTAGE/PHASE	225A MLO 225A BUS		NEMA-1R SURFACE			FULLY RATED	COPPER BUS SOLID NEUTRAL	
	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	СКТ	AMPS	POLE	DESCRIPTION	NOTES	LO V
1	20	1	BUN TOASTER - 33	1	1776	2	20	1	REFRIG. W/ COLD TOP - 38		11
3				2	0	0 4 20 1		1	SINGLE HOT WELL - 37		16
5	25	2	CHEESE MELTER - 31	2	1799 6 20 1		ICE TEA BREWER - 93		18		
7	20	4	SPARE		0	8	20	1	ICE TEA BREWER - 95		14
9	20	1	SINGLE HOT WELL - 37		1656	10	20	1	WORK TABLE OUTLET		1
11	20	1	MICROWAVE OVEN - 14		2160	12				2	25
	20	1	WIGHOVAVE OVER 14		1872	14	30	2	VESTIBULE HEATER	3	25
13	25	2	TRIPLE HOT WELLS - 23	2	1872	16	20	1	HAND DRYER - RESTROOMS		1:
15			MICOCANAVE OVEN 44		2160	18	20		TOTAL DITTER NEOTHER		6
17	20	1	MICROWAVE OVEN - 14		900	20	20	3	MIXER - 48		6
19	20	1	POTATO WARMER - 25								6
21	25	2	CHEESE MELTER - 31	2	1799	22			DEEDIG DICDLAY CASE SE		7
23					1799	24	20	1	REFRIG. DISPLAY CASE - 55		
25	20	1	REFRIG. COLD TOP - 19		900	26	20	1	BREAD WARMING CAB 56		9
27	20	1	MICROWAVE OVEN - 14		2160	28	20	1	REFRIG. DISPLAY CASE - 55		1
29	20	1	U/C REFRIG - 16		900	30	20	1	KITCHEN OUTLETS		
31	20	1	REFRIG. COLD TOP - 15		900	32	20	1	U/C REFRIG 104		9
33	20	1	LETTUCE CRISPER - 17		600	34	20	1	COFFEE MAKER - 97		1
35	20	1	UPRIGHT REFRIG 12		696	36	20	1	ICE TEA BREWER - 93		1
37	20	1	MICROWAVE OVEN - 14		2160	38	20	1	SODA DISPENSER - 95		1
39	20	1	U/C HOT CABINET - 42		900	40	20	2	PROOFING CABINET - 41		1
41	20	1	HANGING HEAT LAMPS - 59		250	42					1
43	20	1	U/C REFRIG - 104		900	44	20	1	SPARE		_
45	20	1	SPARE		0	46	20	1	SPARE		
41	20	1	OI MINE		~			-			-
49	20	1	SPARE		0	50	20	1	SPARE		+
51	20	1	SPARE		0	52	20	1	SPARE		+
53	20	1	SPARE		0	54	20	1	SPARE		+
55	20	1	SPARE		0	56	20	1	SPARE		-
57	20	1	SPARE		0	58	20	1	SPARE		_
59	20	1	SPARE		0	60	20	1	SPARE		_
61	20	1	SPARE		0	62	20	1	SPARE		
63	20	1	SPARE		0	64	20	1	SPARE		
65	20	1	SPARE		0	66	20	1	SPARE		
67	20	1	SPARE		0	68	20	1	SPARE		
69	20	1	SPARE		0	70	20	1	SPARE		
71	20	1	SPARE		0	72	20	1	SPARE		
	20				LOAD	NOTICE!		NECTE		DEMAND	
NOTES		UDE CEC	NADEAKED		LIGHTI	RIPTION NG	LC	DAD (VA) FACTOR 0 1.25	LOAD (VA)	
1.			#10 CU EG., 3/4" C.			COOL		9	0.00	0	
3.) #10 CU EG., 3/4" C.			HEAT		72	0 0.00	0 720	
4. 5.	-				MISC	PTACLE		620		6200	
6.					KITCHI	EN		4740		30809.74	
7.						TOTA	AL	692	0	6920	

PANEL "D"		'D"	120/208V. 3PH, 4W VOLTAGE/PHASE	100A MLO 100A BUS		NEMA-1R SURFACE			10,000 AIC FULLY RATED	COPPER BUS SOLID NEUTRAL	
СКТ	AMPS	POLE	DESCRIPTION	NOTES	LOAD VA	CKT	AMPS	POLE	DESCRIPTION	NOTES	LOAE VA
1	20	1	TRACK LIGHTS @ BAR AREA		88	2	20	1	TRACK LIGHTS @ RSTRM		204
3	20	1	TRACK LIGHTS @ ENTRY		120	4	20	1	DINING LIGHTS (PENDANT)		860
5	20	1	TRACK LIGHTS @ BAR AREA	_	56	6	20	1	DINING LIGHTS (PENDANT)		720
7	20	. 1	TRACK LIGHTS		72	8	20	1	TRACK LIGHTS @ ENTRY		80
9	20	1	TRACK LIGHTS		72	10	20	1	ENTRY LIGHTS		16
11	20	1	DINING LIGHTS		84	12	20	1	TRACK LIGHTS @ WAITING		72
13	20	1	DINING LIGHTS		660	14	20	1	DINING LIGHTS		540
15	20	1	BAR LIGHTS		480	16	20	1	TRACK LIGHTS @ DINING		64
17	20	1	DINING LIGHTS		84	18	20	1	TRACK LIGHTS @ DINING		48
19	20	1	EMERG. / EXIT LTG DINING	1,2	100	20	20	1	DO NOT USE		0
OTES	3.				LOAD DESCRIP	PTION		NECTED ND (VA)	DEMAND FACTOR	DEMAND LOAD (VA)	
1.	1	DE HAND	DLE LOCK-ON DEVICE		LIGHTING	3		4420	1.25	5525	
NON DIMMED & MON CHARTCHED CIRCUIT FOR EMERCENCY					HVAC - COOL			b	62.68	S	
2.	NON-DIMMED & NON-SWITCHED CIRCUIT FOR EMERGENCY LIGHTING.			HVAC - HEAT		0	0.00	0			
					RECEPTA	CLE		0	0.00	0	
					MISC			0	1.00	0	
						TOTAL		4420		5525	
					TOTAL DE	EMAND	CURREN	NT @ 120)/208V, 3PH	15.	3 AMPS

PANEL "MDP" 120/208V. 3PH, 4W WR CONTROLS VOLTAGE/PHASE		1000A MLO 65,000 AIC 1000A BUS SERIES RATED					
DESCRIPTION		NOTES		LOAD VA			
DISH MACHINE - 72		17600					
RTU-1		14500					
RTU-2	2	20700					
RTU-3		20700					
RTU-4		30200					
RTU-5		20700					
PANEL 'A'				50038			
PANEL 'B'				41736			
PANEL 'C'				54320			
PANEL 'D'		4		4420			
PANEL 'E'				37978			
PANEL 'IG'	TVSS			23124			
225 225 3 PANEL 'S'			5				
BOOSTER HEATER		24000					
	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA			
USE OF INTEGRATED BREAKERS TO ALLOW USE S. PANELS INTEGRATED EQUIPMENT RATING	LIGHTING HVAC - COOL HVAC - HEAT	15940 0 0	1.25 0.00 1.00	19925 0 0			
.A. OF ORDERED EQUIPMENT PRIOR TO CIRCUIT	RECEPTACLE MISC	11640 191373	1.00 1.00	11640 191373			
(PANELS PER NEC 110.22 (B). THE MARKING ATE THE FOLLOWING: "CAUTION - ENGINEERED ITEM RATED 65K AMPERES. IDENTIFIED ITS REQUIRED.	TOTAL 223033 0.65			367909			
CH WITH CURRENT LIMITING TYPE FUSES.		586.5 AMI					
AT TE VTS CH	E THE FOLLOWING: "CAUTION - ENGINEERED EM RATED <u>65K</u> AMPERES. IDENTIFIED IS REQUIRED.	ANELS PER NEC 110.22 (B). THE MARKING E THE FOLLOWING: "CAUTION - ENGINEERED EM RATED 65K AMPERES. IDENTIFIED TOTAL S REQUIRED. H WITH CURRENT LIMITING TYPE FUSES. TOTAL DEMAND C	ANELS PER NEC 110.22 (B). THE MARKING E THE FOLLOWING: "CAUTION - ENGINEERED EM RATED 65K AMPERES. IDENTIFIED TOTAL 441985 S REQUIRED. H WITH CURRENT LIMITING TYPE FUSES. TOTAL DEMAND CURRENT @	ANELS PER NEC 110.22 (B). THE MARKING E THE FOLLOWING: "CAUTION - ENGINEERED EM RATED 65K AMPERES. IDENTIFIED TOTAL 441985 S REQUIRED. H WITH CURRENT LIMITING TYPE FUSES. TOTAL DEMAND CURRENT @			



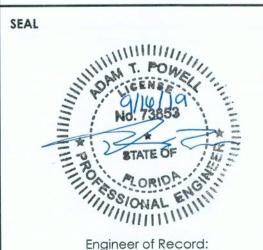
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