SCOPE OF WORK:

TO SHOW INTERIOR RENOVATION OF AN EXISTING 1262sf COMMERCIAL BUILDING

INDEX:

PROJECT DATA:

PROJECT NAME: BRITTANY'S CUPCAKES

PROJECT ADDRESS: 224 N MARION AVE, LAKE CITY, FLORIDA, 32055

PROJECT ZONING: STORES/1 STORY (1100)

DESIGN CODE: FLORIDA BUILDING CODE 2020 7TH EDITION, FLORIDA FIRE PREVENTION CODE 2018, AND ASCE-7-16

SQUARE FOOTAGE: 12625F (+/-)

STORIES: 1 STORY

OCCUPANCY LOAD: 23

OCCUPANCY TYPE: A-2 (BAKERY)

CONSTRUCTION TYPE: V-B UNSPRINKLED/ UNPROTECTED

ENCLOSURE: ENCLOSED BUILDING

FIRE CODE: NFPA 101 FIRE PREVENTION CODE 2018

PROJECT ANALYSIS:

2020 FLORIDA ACCESSIBILITY ANALYSIS
100% ADA COMPLIANT: YES
VERTICAL ACCESSIBILITY: N/R
IDENTIFY 20% HANDICAP UPGRADES: YES
AN ACCESSIBLE ENTRANCE: YES
AN ACCESSIBLE ROUTE TO ALTERED AREA: YES
ACCESSIBLE RESTROOM(S): YES
ACCESSIBLE FOUNTAIN: N/R

PLUMBING REQUIREMENTS FOR BUILDINGS:
OCCUPANT LOAD: 23 PER FBC 1004.1.2
23 / 2 = 12 MEN, 12 WOMEN
PER FBC 403.1

		REQUIRED	PROVIDED
MEN	WC	1	1
	LAV	1	1
WOMEN	WC	1	1
	LAV	1	1
SVC	FTN	-	-
	WC	1	1

GENERAL NOTES:

1. ALL CONSTRUCTION MUST COMPLY WITH ALL GOVERNING CODES.

2. ALL CONTRACTORS AND SUB-CONTRACTORS WILL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE CONSTRUCTION DOCUMENTS AND WILL VERIFY EXISTING SITE AND BUILDING CONDITIONS PRIOR TO SUBMITTING A BID.

3. SUB-CONTRACTORS BEFORE STARTING THEIR WORK WILL CHECK AND VERIFY THEIR PARTICULAR RELATED REQUIREMENTS FOR COMPLIANCE ALONG WITH MEASUREMENTS, SURFACE LEVELS, SURFACE CONDITIONS NEAR & ABOUT THEIR WORK. IT WILL BE CONCLUDED THAT EACH BIDDER UNDERSTANDS AND KNOWS WHAT WILL BE REQUIRED.

4. THIS ENGINEER AND HIS PROFESSIONAL CONSULTANTS WILL NOT HAVE CONTROL OF & WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK ON THE PROJECT OR FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK ON THIS SITE.

5. ALL CONTRACTORS WILL PROVIDE ADEQUATE BRACING AND/OR SHORING TO INSURE STRUCTURAL STABILITY OF THE BUILDING AND ALL RELATED BUILDING COMPONENTS, I.E.: STRUCTURAL WALLS, INTERIOR WALL ASSEMBLIES ETC., DURING THE CONSTRUCTION PHASE OF THIS PROJECT.

6. ALL WORK WILL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCE & PRESERVE MAXIMUM HEADROOM & AVOID OMISSIONS. EACH CONTRACTOR WILL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED BY CODE AND NEEDS TO COMPLETE THIS WORK.

7. ALL MATERIAL USED WILL BE NEW & BEAR UL LABELS WHERE REQUIRED & MEET NEMA STANDARDS.

8. LAYOUT ALL PARTITIONS BEFORE BEGINNING CONSTRUCTION TO PREVENT ERRORS BY DISCREPANCY. ALL DRYWALL PARTITIONS WILL BE INSTALLED AS NOTED ON THE DRAWINGS.
DO NOT SCALE THE DRAWINGS.

9. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING, CUTTING, AND/OR INSTALLING MATERIAL, PRODUCT OR EQUIPMENT. IN THE EVENT OF ANY DISCREPANCIES, CONTACT THE ENGINEER BEFORE PROCEEDING WITH THAT WORK.

10. ALL SUB-CONTRACTORS WILL PROVIDE A CERTIFICATE OF INSURANCE TO THE OWNER PRIOR TO STARTING ANY WORK ON THIS PROJECT. CERTIFICATE OF INSURANCE CAN NOT BE TERMINATED OR CANCELED WITHOUT 10 DAYS PRIOR WRITTEN NOTICE TO THE OWNER.

11. NO SUBSTITUTIONS OF ANY KIND FOR MATERIALS SPECIFIED ON THESE CONSTRUCTION DOCUMENTS IS ALLOWED. NO "EQUIVALENT" SUBSTITUTIONS WILL BE MADE, UNLESS APPROVED IN WRITING BY THE ENGINEER & APPROVED BY THE OWNER DUE TO THE LACK OF AVAILABILITY OF ORIGINAL, U.O.N. IN THESE DOCUMENTS

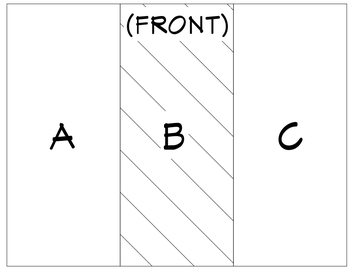
12. EACH CONTRACTOR IS RESPONSIBLE FOR THE FIRST CLASS WORKMANSHIP & WILL ASSUME ALL RESPONSIBILITY FOR THE CARE AND PROTECTIONS OF HIS OWN WORK & MATERIAL FRO DAMAGE. HE WILL MAKE GOOD ANY DAMAGE TO HIS OWN OR OTHER WORK CAUSED BY HIMSELF OR WORKMAN EMPLOYED BY HIM.

13.EACH CONTRACTOR WILL ABIDE BY LOCAL AREA STANDARDS & RELATED OSHA STANDARDS FOR THE SAFETY OF THEIR EMPLOYEES ON SITE. THIS ENGINEER AND HIS PROFESSIONAL CONSULTANTS WILL BE HELD HARMLESS BY THE: OWNER, GC, AND RELATED AWARDED TRADES, ON THIS PROJECT FOR ACCIDENTS OR INJURIES CAUSED OR ACCRUED ON THIS PROPERTY DURING CONSTRUCTION PHASES OF THIS PROJECT.

14. SHOULD FIRE ALARM & SPRINKLER DRAWINGS BECOME A REQUIREMENT, IT WILL BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR AND TO BE SUBMITTED AS SEPARATE PERMIT ISSUE.

KEY PLAN

A- ASSEMBLY
B- BAKERY (PROJECT)
C- VACANT



PLUMBING NOTES:

A - CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIELD ASSESSMENT TO VERIFY & ENSURE INFORMATION WITHIN THESE DRAWINGS ARE AN ACCURATE REPRESENTATION.

B - THE WORK SHALL CONFORM TO ALL FEDERAL, STATE & LOCAL CODES/ORDINANCES. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.

C - ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCES. ALL MATERIAL, WORKMANSHIP AND EQUIPMENT SHALL BE GUARANTEED FOR ONE YEAR AFTER SYSTEM HAS BEEN ACCEPTED.

D - DO NOT SCALE DRAWINGS

E - PLUMBING CONTRACTOR SHALL MAINTAIN A CURRENT SET OF PLUMBING DRAWINGS AT THE PROJECT SITE TO BE USED FOR CONSTRUCTION PROGRESS, REVIEW & FUTURE "AS-BUILTS". ALL MARKS AND REVISIONS SHALL BE MADE WITH RED PENCIL/PEN AND SHALL BE LEGIBLE & ACCURATE. SUBMIT DRAWINGS TO EOR AT THE COMPLETION OF WORK FOR REVISION.

F - SANITARY WASTE AND VENT PIPING ABOVE GRADE SHALL BE SCH. 40 SOLVENT WELDED FITTINGS. COLD WATER PIPING SHALL BE SCH. 40 W/ MATCHING SOLVENT WELDED FITTINGS. HOT WATER PIPING SHALL BE SCH. 40 CPVC W/ MATCHING SOLVENT WELDED FITTINGS.

G - PLUMBING FIXTURES SHALL BE AS SCHEDULED ON DRAWING. PROVIDE CONTROL STOP VALVES IN EA. SUPPLY TO EA. FIXTURE. THE FINISH OF FITTINGS, ACCESSORIES & SUPPLY EXPOSED TO VIEW SHALL BE CHROME PLATED.

H - PENETRATIONS: PROVIDE CHROME PLATED BRASS ADJUSTABLE ESCUTCHEON PLATES AT EXPOSED PIPE PENETRATIONS THROUGH WALLS, PARTITIONS, CEILINGS & FLOORS.

I - TESTING WATER SYSTEM: TEST THE ADDED PORTION OF THE PLUMBING SYSTEM @ 150% OF DESIGN PRESSURE, BUT NOT LESS THAN 100 PSIG. ALLOW PRESSURE TO REMAIN FOR 24 HOURS. INSPECT EVERY JOINT FOR LEAKS WHILE UNDER TEST PRESSURE. REPAIR ALL LEAKS DETECTED WITH NEW MATERIAL & RETEST.

ELECTRICAL NOTES:

A - THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK AS INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE EOR AS SOON AS POSSIBLE; FIELD ALLOCATED DECISIONS IN ARE NOT TO BE PERFORMED WITHOUT EOR APPROVAL TO ADDRESS THESE ISSUES.

B - CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND FAMILIARIZE HIMSELF/HERSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL & COMMUNICATIONS INSTALLATION. IT IS CONTRACTORS RESPONSIBILITY TO MAKE PROVISIONS TO THE COST THEREOF.

C - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CODE/ ORDINANCE AUTHORITATIVE JURISDICTION & THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE. THE SPECIFICATION, CODES & STANDARDS LISTED ARE UTILIZED IN THIS PROJECT: NFPA-70, NFPA-101, UL, NEMA, ANSI, FED. SPEC., IPCEA, IEEE, OSHA.

D - DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO ENGINEERING PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNERS REPRESENTATIVE/ CONSULTANT.

E - IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.

MECHANICAL NOTES:

A - IT IS CONTRACTORS RESPONSIBILITY TO ASSESS REFERENCED INFORMATION WITHIN THESE PLANS TO ENSURE ACCURACY PRIOR TO BID, OR COMMENCEMENT OF WORK

B - ALL WORK SHALL BE DONE IN CONFORMITY WITH THE LATEST EDITION OF ALL APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION

C - ALL INFORMATION ILLUSTRATED WITHIN THESE PLANS ARE ACCORDING TO CONSTRUCTION DOCUMENTATION PROVIDED, OR INFORMATION GATHERED BY EOR TO THE BEST OF THEIR ABILITY. EOR MAKES NO REPRESENTATION FOR THE ACCURACY OF GIVEN INFORMATION AS ILLUSTRATED WITHIN DRAWINGS. INFORMATION, MATERIALS, EQUIPMENT, DIMENSIONS, CONDITIONS, ETC SHALL BE FIELD VERIFIED

D - ALL WORK SHALL BE DONE IN STRICT COORDINATION AND AS APPROVED BY OWNER. ALL INTERRUPTIONS IN THE FUNCTIONING OF MECHANICAL SYSTEMS SHALL BE DONE DURING OFF-PEAK, OR UNOCCUPIED TIME (STRICTLY APPROVED BY OWNER).

E - CONTRACTOR IS RESPONSIBLE FOR COORDINATING INFORMATION REQUEST AND WORK PERFORMED. ANY REQUEST FOR INFORMATION PERTAINING TO CONFLICT OF WORK BEING PERFORMED THAT IS ILLUSTRATED ON THESE PLANS IS TO BE REFERENCED TO EOR THE MOMENT IT IS NOTICED.

F - ALL A/R GRILLES SHALL BE PROVIDED WITH PROTECTIVE CONSTRUCTION FILTERS AND A/C UNITS SHALL HAVE THEIR FILTERS REPLACED NEW ONES AT THE END OF THE CONSTRUCTION PERIOD.

Location Map

Scale - No Scale

Parcel Map

Scale - No Scale

KYLE S. McDONOUGH LICENSE No. 83601 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Kyle S. McDonough using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Kyle McDonough
2022.05.12
09:40:24 -04'00'

Project Analysis/
Project Data/
General Notes

Kyle Mcdonough
William Brown

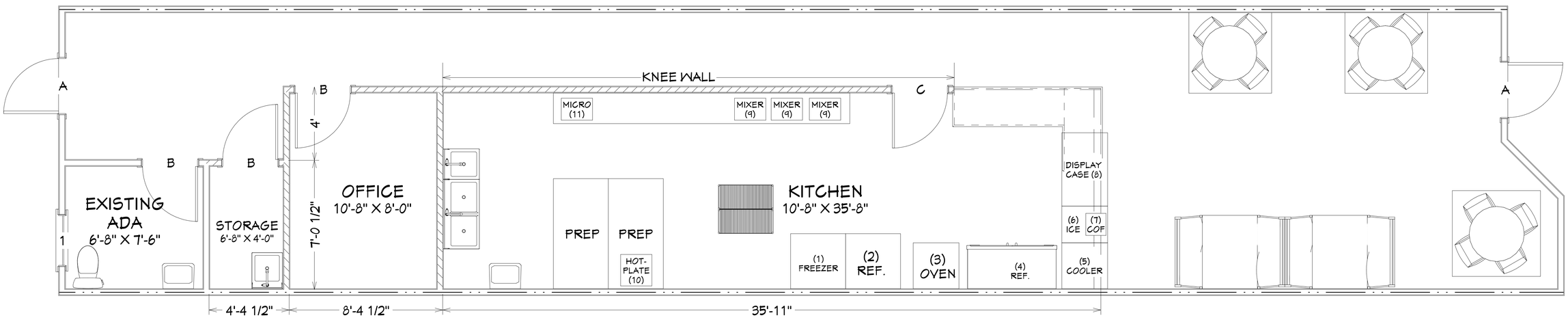
Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

DATE 04/25/22
DRAWN KEB
JOB # 2022-113

SHEET A101



FLOOR PLAN

SCALE - 3/8" = 1'

Window Schedule - 7' Header Height

Description:	Sym.:	Hdr.:	King/Crip.:
21054 Fixed Glass Window	1	N/R	N/R

Door Schedule

Description:	Sym.:	Hardware:
3070 Hinged Exterior Door	A	Lever
3070 Hinged Interior Door	B	Lever
3040 Hinged Interior Door	C	N/R (Double-Swing)

WALL FLOOR & CEILING FINISH NOTE:

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES.

- CLASS A: FLAME SPREAD INDEX 0-25; SMOKE - DEVELOPED INDEX 0-450

- CLASS B: FLAME SPREAD INDEX 26-75; SMOKE - DEVELOPED INDEX 0-450

- CLASS C: FLAME SPREAD INDEX 76-200; SMOKE - DEVELOPED INDEX 0-450

PER 2020 FBC 7TH EDITION/TABLE 803.9 - ROOMS & ENCLOSED SPACE, ALL WALL & CEILING FINISHES SHALL BE OF "C" CLASS FINISHES

FLOOR FINISHES PER SECTION 804

- CLASS II

Appliance Schedule

Sym.:	Make/Model & Description
1	ATOSA MBF8501GR, 27" SOLID DOOR REACH-IN FREEZER
2	ATOSA MCF8705GR, 27" GLASS DOOR REACH-IN REF.
3	MSDE-2-GG STANDARD DEPTH CONVECTION OVEN
4	54" MERCHANDISE FRIDGE
5	27" BEVERAGE COOLER
6	MANITOWOC UDE0065A NEO 20" UNDER-COUNTER ICEMAKER
7	COFFEE MAKER
8	OMCAN REFRIGERATED DISPLAY CASE MODEL 44504
9	KITCHENAID KSM8990DP COUNTER-TOP MIXER
10	WINCO EICS-18 COUNTER-TOP INDUCTION COOKER
11	SPECTRUM EMW-1000SD COMMERCIAL MICROWAVE

Interior Layout Plans

Kyle Mcdonough
William Brown

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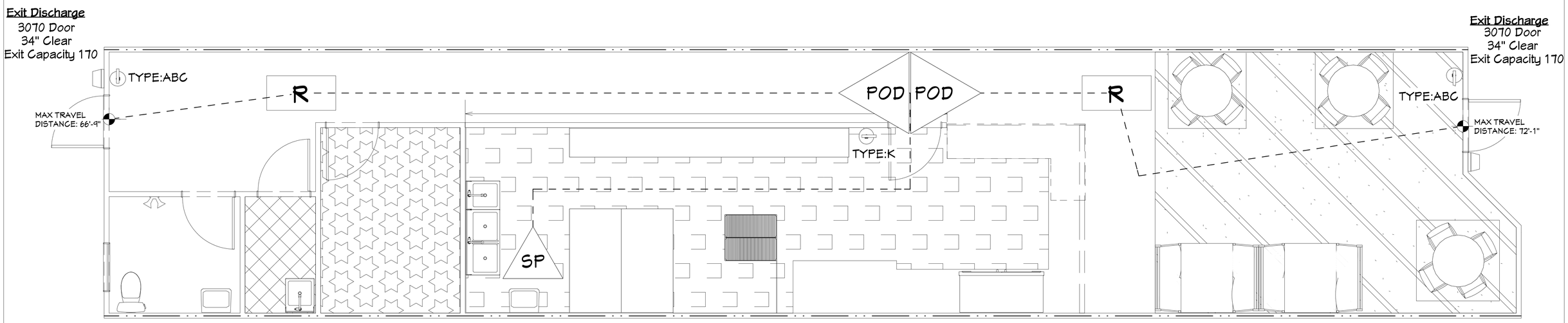
Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

DATE 04/29/22
DRAWN BY KWEB
JOB # 2022-173

SHEET A102



LIFE SAFETY PLAN

SCALE - 3/8" = 1'

DINING	SF	MAX OCC.	SEAT COUNT
Non-Fixed 1 per 15 (Gross)	289	19	19
Staff Area 1 per 100sf (Gross)	87	1	-
Kitchen Area 1 per 100sf (Net)	239	3	-
Storage 1 per 300sf (Gross)	267	1	-

Life Safety Plan Legend	
SP	Starting Point
POD	Point of Decision
	Exit Sign w/ Emergency Flood Lighting & Battery Back-Up
	Emergency Light Fixture w/ Battery Back-Up
	Fire Extinguisher
R	Emergency 24 Hr. Light w/ Battery Back-Up**
	U-419: 2 hr. Wall Separation

Assembly Use Analysis

Code Requirements	Project Information ±1262 S.F. UnSprinkled UnProtected	Code References Used 2020 FBC 7th Edition	 2018 Fire Prevention Code NFPA 101
Occupancy Use:	Group A2 (Bakery)	303.3 - Assembly	NFPA 101.6.1.11
Required Separation:	2-Hr (U-419)	508.4	NFPA 101 6.1.14.4.1 (B)
Construction Type:	Type V-B	603	
Occupant Load:	23 (Max)	1004.1.2	NFPA 101 7.3.1.2
Egress Width:	68"	1005.1	NFPA 101 7.3.3.1
Max Travel Distance:	72'-1"	1017.2 (200' Allowed)	NFPA 101.37.2.6.1 (200' Allowed)

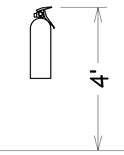
Bakery Egress

Egress Width Doors

23 Occupants * 0.2
= 34" of Egress Required (Min.)
= 68" of Egress Provided

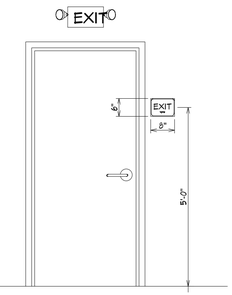
68" / 0.2 = 340 Occ. Capacity (Actual 23)

"AMEREX" MODEL B500 / B500T HAND HELD
TYPE A, B, C, #5 OR EQUAL AS INDICATED
ON PLAN. (MOUNT NO MORE THAN 5'-0"
A.F.F. FROM TOP OF EXTINGUISHER TO FLOOR)
PROVIDE TYPE 'K' @ KITCHEN AREAS



Fire Extinguisher Mounting Height

Scale - 1/2" = 1'



Exit Door Signage Detail

Scale - 1/2" = 1'

Life Safety Plan

Kyle Mcdonough
William Brown

Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

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DRAWN KWEB
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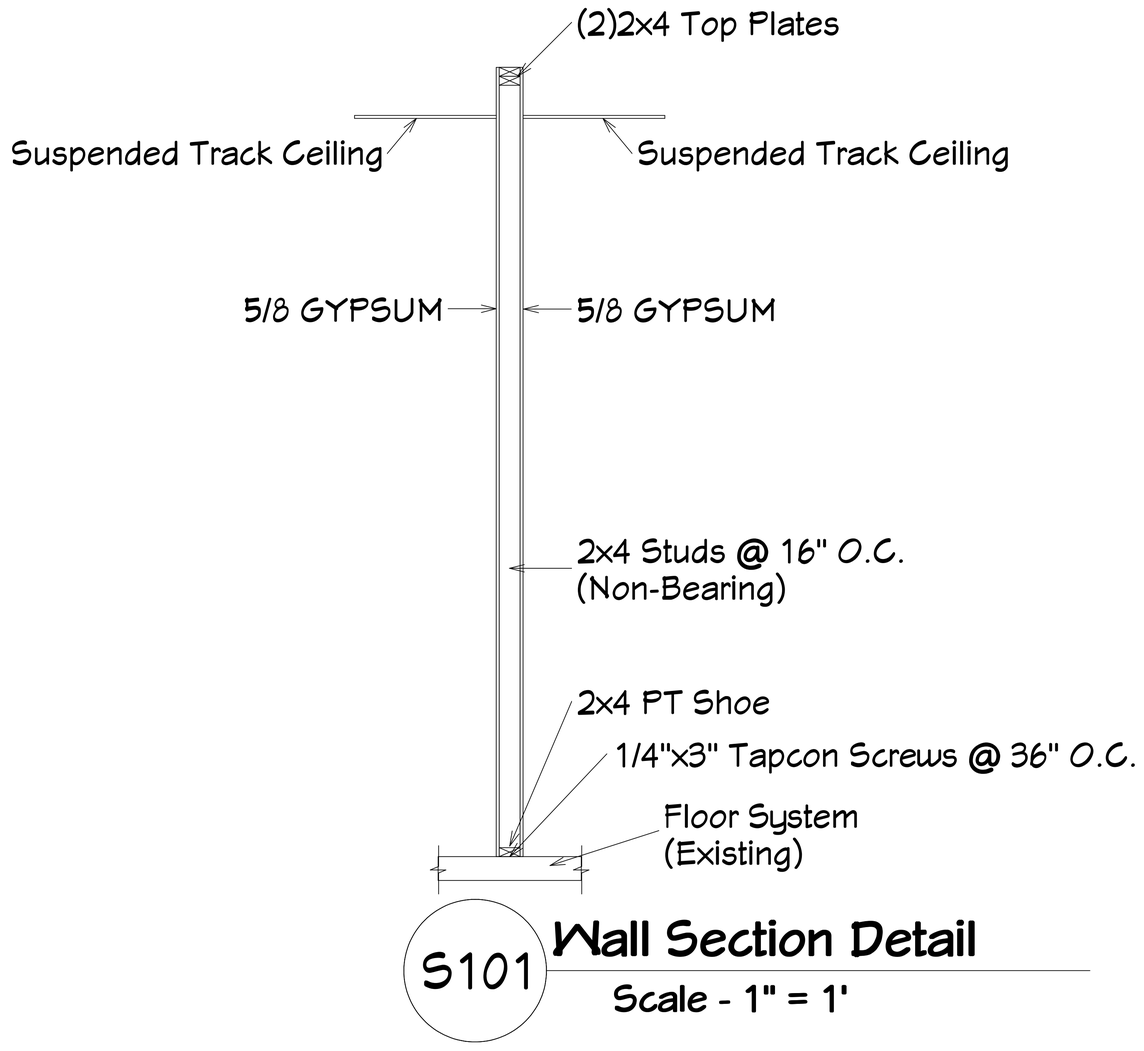
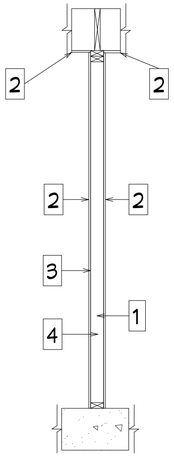
SHEET A103



S101 **Wall Section Detail**

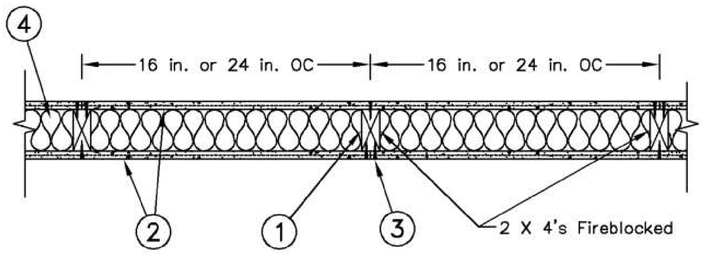
Scale - 1" = 1'

****Note: Fire Wall Separation to be Field Verified****



F1 **Partition Fire Wall Detail**

Scale - 5/8" = 1'



Configuration A

Fire Wall & Ceiling Notes:

Design No.: U419 - 2hr Wall Rating, STC: 53, System Thickness: 6-1/8"

1. Wood Studs — Nom 2x4 SYP#2, spaced 16 in. OC, effectively firestopped
2. Gypsum Board* — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates with 1-5/8 in. long Type S screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Vertical joints need not be staggered on opposite sides of wall. Horizontal joints of vertically applied panels need not be backed by studs. Finish rating 23 min
3. Joints and Screwheads — Panel joints covered with paper tape and two layers of joint compound. Screwheads covered with two layers of joint compound.
4. Batts and Blankets* — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities.

Wall Sections & Details

Kyle McDonough
William Brown

Interior Renovation of an Existing Commercial Parcel

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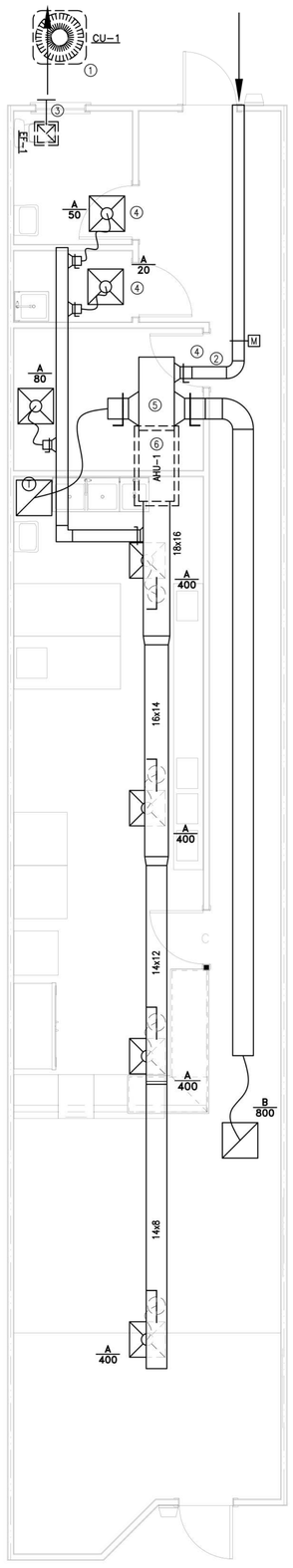


SPLIT SYSTEM COOLING AIR CONDITIONING UNIT SCHEDULE

PLAN MARK	NOMINAL TONS	MANUFACTURER – CARRIER		AIR FLOWS		FAN DATA				COOLING COIL						INDOOR UNIT ELECT. DATA				OUTDOOR UNIT ELECT. DATA			MIN. SYSTEM SEER	STATUS
		INDOOR UNIT	OUTDOOR UNIT	TOTAL CFM	OA CFM	EXT. SP	TOT. SP	HP	TYPE	DESIGN CONDITIONS				SEN. MBH	TOTAL MBH	HEAT KW	MCA	MOCP	VOLT/ PHASE	MCA	MOCP	VOLT/ PHASE		
										EDB	EWB	LDB	LWB											
AHU-1/CU-1	5	FB4CNF-060	25ACC4-60	1750	200	0.40	–	3/4	D	79	65	56	54	41.0	55.9	10	53.8	60	208/1	27.5	40	208/1	14.0	NEW

NOTES:
1. PROVIDE FIELD INSTALLED ELECTRIC UN-LOADER ACCESSORY FOR CONDENSING UNIT CU-1.
2. PROVIDE LOW-AMBIENT ACCESSORY FOR CONDENSING UNIT CU-1.

DESIGN CONDITIONS

EXTERIOR DESIGN CONDITIONS
SUMMER DRY/WET BULB 96°F/77°F
WINTER DRY BULB 29°F

INTERIOR DESIGN CONDITIONS
SUMMER 75°F +/- 3°
50% R.H. +/- 10%
WINTER 72°F

DIFFUSER SCHEDULE

TYPE	SERVICE	CFM RANGE		MODULE SIZE	NECK	MODEL
		MIN	MAX			
A	SUPPLY-CEILING	0	100	24x24	6"	TITUS – OMNI
		101	200	24x24	8"	TITUS – OMNI
		201	325	24x24	10"	TITUS – OMNI
		326	500	24x24	12"	TITUS – OMNI
		501	700	24x24	14"	TITUS – OMNI
		701	825	24x24	15"	TITUS – OMNI
B	RETURN/EXHAUST CEILING	0	150	24x24	6"	TITUS 50F
		151	255	24x24	8"	TITUS 50F
		256	420	24x24	10"	TITUS 50F
		421	675	24x24	12"	TITUS 50F
		676	825	24x24	14"	TITUS 50F
		826	1200	24x24	16"	TITUS 50F
		1301	3000	24x48	22"	TITUS 50F

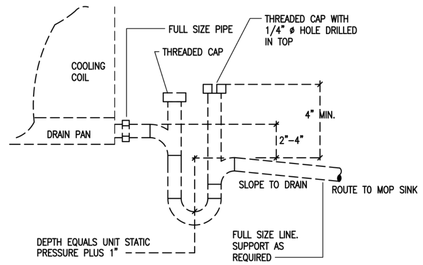
NOTES:
1. DIFFUSER RUNOUT SIZE SHALL BE DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED ON DRAWINGS.
2. COORDINATE COLOR OF DIFFUSERS WITH INTERIOR DESIGNER.
3. PROVIDE OPTIONAL MOLDED INSULATION BLANKET R-6 FOR SUPPLY AND RETURN DIFFUSERS.

GENERAL NOTES AND SPECIFICATIONS

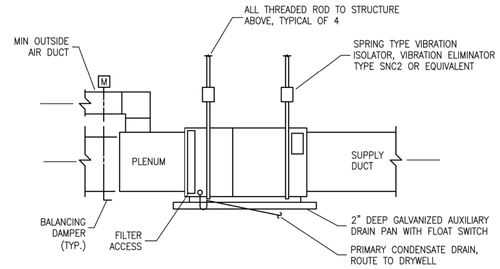
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE – MECHANICAL, 7TH EDITION.
2. BIDDING CONTRACTORS SHALL PERFORM A SITE VISIT TO VERIFY THE BUILDING AND STRUCTURE CONDITIONS PRIOR TO PROVIDING PRELIMINARY PRICE OR ORDER OF EQUIPMENT.
3. ALL AIR DISTRIBUTION COMPONENTS SHALL COMPLY WITH SECTION 13-410 OF THE FBCB.
4. SUPPLY AND RETURN DUCTS FOR THE SPACE SHALL BE RIGID, FIBERGLASS DUCT-BOARD, 1.5" THICK, FLEXIBLE DUCTS SHALL BE R-6.5 CLASS 1, NOT EXCEED 10'. WHERE BRANCH DUCTS EXCEED 10' IN LENGTH PROVIDE ROUND SHEET-METAL DUCT EXTENSION INSULATED WITH 2" FIBERGLASS DUCT WRAP PRIOR TO TRANSITION TO FLEXIBLE DUCT.
5. NEW SPLIT SYSTEMS FOR THE BUILDING SHALL BE BY CARRIER OR APPROVED EQUAL. PROVIDE 1" MEDIUM EFFICIENCY PLEATED FILTERS, SPUN-WEB THROW-AWAY TYPE NOT ACCEPTABLE, PROVIDE NEW PROGRAMMABLE THERMOSTATS, COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ORDER AND/OR INSTALLATION OF EQUIPMENT.
6. TEST AND BALANCE SHALL BE BY MECHANICAL CONTRACTOR.
7. PROVIDE 1 YEAR WARRANTY ON LABOR AND MATERIAL BY CONTRACTOR, AND MANUFACTURER'S WARRANTY ON EQUIPMENT.
8. ANY FIELD CHANGES AS A RESULT OF VALUE ENGINEERING SHALL BE COMMUNICATED TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF VALUE ENGINEERING WORK. ENGINEERING PLAN REVISIONS REQUIRED BY BUILDING INSPECTORS TO MATCH VALUE ENGINEERING CHANGES SHALL BE COMPENSATED TO THE ENGINEER AT A NEGOTIATED AMOUNT BY THE SUB-CONTRACTOR ENACTING THE VALUE ENGINEERING CHANGE.

AHU-1 SEQUENCE OF OPERATION

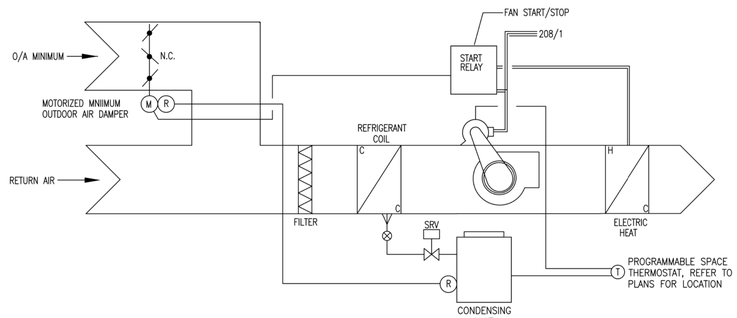
1. SUPPLY FAN IS ENERGIZED BY A TWO POSITION SWITCH. WHEN THE SWITCH IS CLOSED IT SHALL ENERGIZE THE SYSTEM PROVIDING POWER TO ALL COMPONENTS AND LOW VOLTAGE CONTROL TO ALL CONTROL DEVICES, AND OPEN THE MINIMUM OUTSIDE AIR DAMPER.
2. SYSTEM SHALL BE CONTROLLED WITH A WALL MOUNTED THERMOSTAT DEVICE CONTROLLING SPACE TEMPERATURE. THE THERMOSTAT SHALL INCLUDE OFF-AUTO-COOLING-HEATING MODES AND TIME-DAY-WEEK SCHEDULING CAPABILITIES. THERMOSTAT SHALL BE SET TO "AUTO" MODE.
3. WHEN THE SPACE TEMPERATURE RISES ABOVE THE SETPOINT THE COMPRESSOR/S SHALL CYCLE TO MAINTAIN ROOM TEMPERATURE SETPOINT.
4. THE SUPPLY FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.
5. WHEN THE SPACE TEMPERATURE FALLS BELOW THE SETPOINT THE ELECTRIC HEAT SHALL ENERGIZE TO MAINTAIN ROOM TEMPERATURE SETPOINT.
6. THE SYSTEM SHALL IMPOSE A 30 SECOND TIME DELAY TO RESTART THE SUPPLY FAN, COMPRESSORS, AND CONDENSER FANS AFTER SYSTEM SHUT DOWN.



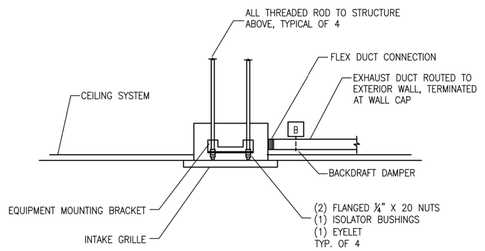
CONDENSATE DRAIN DETAIL
NOT TO SCALE



AHU-1 DETAIL
NOT TO SCALE



CONTROL SCHEMATIC – AHU-1
NOT TO SCALE



EXHAUST FAN MOUNTING DETAIL
NOT TO SCALE

MECHANICAL LEGEND

- CEILING SUPPLY DIFFUSER
- CEILING RETURN GRILLE
- CEILING EXHAUST GRILLE/FAN
- STARTING COLLAR W/DAMPER
- (T) THERMOSTAT
- (H) HUMIDISTAT
- (DW) DRY WELL
- (T) TEMPERATURE SENSOR
- (M) MOTORIZED DAMPER
- DUCT SMOKE DETECTOR
- DUCT SMOKE DETECTOR'S AUDIBLE AND VISUAL INDICATOR
- N.O. NORMALLY OPEN
- FLEXIBLE DUCT
- RELATIVE ROOM PRESSURE – NEUTRAL
- RELATIVE ROOM PRESSURE – POSITIVE
- RELATIVE ROOM PRESSURE – NEGATIVE
- SUPPLY DIFFUSER
- RETURN REGISTER
- EXHAUST REGISTER
- VAV 2-7 VARIABLE AIR VOLUME TERMINAL UNIT WITH ELECTRIC HEAT
- FIRE DAMPER W/ACCESS DOOR
- SMOKE DAMPER W/ACCESS DOOR
- (H) DUCT MOUNT HIGH LIMIT HUMIDISTAT

PLAN NOTES

1. EXISTING CONDENSING UNIT ON CONCRETE HOUSEKEEPING
2. PROVIDE 8"ø WITH MOTORIZED DAMPER. TERMINATE AT WALL CAP
3. 6" SHEET-METAL EXHAUST DUCT, TERMINATE AT RESPECTIVE WALL CAP.
4. 3/4" DOOR UNDERCUT
5. NEW FULL RETURN PLENUM WITH RUN-OUTS, AS SHOWN.
6. EXISTING AIR HANDLER SUSPENDED ABOVE CEILING, ROUTE FULL SIZE CONDENSATE TO MOP SINK.

FAN SCHEDULE

PLAN MARK	BASIC OF DESIGN	TYPE	CFM	STATIC PRESS. IN. WG.	FAN RPM	MOTOR		VOLT/ PHASE	DRIVE TYPE	INTERLOCK
						FLA	HP			
EF-1	LOREN COOK 90C15DH	CEILING	70	0.33	1165	–	40W	115/1	D	OCC SENSOR

NOTES:
1. PROVIDE BACKDRAFT DAMPER, VIBRATION ISOLATION KIT, DISCONNECT AND SPEED CONTROLLER FOR EF-1.

FLOOR PLAN – MECHANICAL
SCALE: 1/4" = 1'-0"

Mechanical Plan

Kyle Mcdonough
William Brown

Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

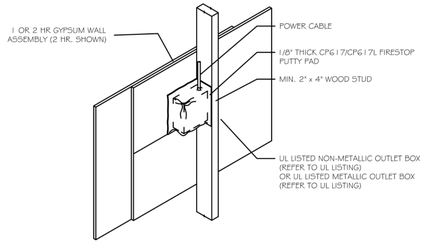
DATE 04/23/22
DRAWN BY WEB
JOB # 2022-173

SHEET M-1

ELECTRICAL LEGEND

$	TOGGLE SWITCH – SINGLE POLE – QUIET TYPE 20 AMP, 120/277 VOLT HUBBELL NO. HBL1221I WITH NO. P1 COVERPLATE – 46" MOUNTING HEIGHT U.N.O. PROVIDE MOTION SENSOR SWITCH WHERE REQUIRED PER FL ENERGY CODE 415
$M	SAME AS ABOVE EXCEPT MOTION SENSOR
CM	CEILING MOUNTED MOTION SENSOR – LOW VOLTAGE
PP	LOW VOLTAGE POWER PACK FOR CEILING MOUNTED MOTION SENSOR
	DUPLEX RECEPTACLE – 20 AMP, 120 VOLT, 3 WIRE GROUNDING, HUBBELL NO. 5352I WITH NO. P8 COVERPLATE, 18 INCH MOUNTING HEIGHT, U.N.O.
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20 AMP, 120 VOLT, 3 WIRE GROUNDING. HUBBELL NO. GF5352IA WITH NO. HPS1I COVERPLATE, 46 INCH MOUNTING HEIGHT, U.N.O. EXTERIOR LOCATIONS SHALL BE MOUNTED AT 18" A.F.F.
	DATA/TELEPHONE OUTLET – 4 INCH SQUARE JUNCTION BOX WITH 1–GANG EXTENSION RING, BLANK COVER PLATE – 18 INCH MOUNTING HEIGHT, U.N.O. PROVIDE 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
J	JUNCTION BOX.
	MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT.
	LIGHTING AND/OR POWER PANELBOARD.
	WIRING IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALLS.
	WIRING IN CONDUIT, RUN CONCEALED BELOW FLOOR.
	HOMERUN TO PANELBOARD – NUMBER OF ARROWS DENOTES QUANTITY OF CIRCUITS. CROSSMARKS INDICATE QUANTITY OF NO. 12 CONDUCTORS. RUNS VOID OF CROSSMARKS ARE 1/2 INCH CONDUIT, 3 NO. 12, U.N.O. DO NOT COMBINE HOMERUNS EXCEPT AS SPECIFICALLY INDICATED ON THE PLAN.
WP	DENOTES WEATHERPROOF – MOUNT RECEPTACLES HORIZONTALLY AND PROVIDE TAYMAC 60350 COVERPLATE, FOR SWITCHES PROVIDE TAYMAC 40110 COVERPLATE.
	DISCONNECT SWITCH, "3 60/40 N3R" DENOTES 3 POLE, 60 AMPS, 40 AMPS FUSES N3R DENOTES DISCONNECT NEMA RATING.

WALL OPENING PROTECTIVE MATERIALS (CUV)
AS TESTED TO ANSI/UL 263 1OR 2 HR RATING



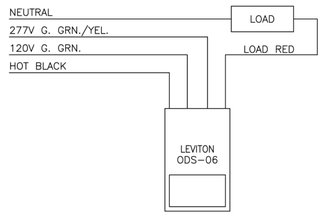
NOTE: WEHRE BOXES BACK UP TO ONE ANOTHER OR ARE VERY CLOSE TOGETHER IN THIS WALL, ADD A LAYER OF 5/8" TYPE "X" FIRECODE SCREWED TO STUD BETWEEN THEM

CP617 PUTTY PADS, FOR USE WITH MAX 4 BY 4 IN. FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES IN 1 AND 2 HR. FIRE RATED GYPSUM WALLBOARD WALL ASSEMBLIES FRAMED WITH MIN 3–1/2 IN. DEEP WOOD OR STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. MIN 1/8 IN. THICK MOLDABLE PUTTY PADS ARE TO BE INSTALLED TO COMPLETELY COVER THE EXTERIOR SURFACES OF THE OUTLET BOX (EXCEPT FOR THE SIDE OF THE OUTLET BOX AGAINST THE STUD) AND COMPLETELY SEAL AGAINST THE STUD WITHIN THE STUD CAVITY. WHEN MOLDABLE PUTTY PAD OUTLET BOX PROTECTIVE MATERIAL IS USED ON BOXES ON BOTH SIDES OF WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN OUTLET BOXES ON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK TO BACK.

CP617 FIRESTOP PUTTY PADS, FOR USE WITH MAX 4 BY 3–3/4 BY 3 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY CARLON ELECTRICAL PRODUCTS, MADE FROM POLYVINYL CHLORIDE, AND BEARING A 2 HR. RATING UNDER THE " OUTLET BOXES AND FITTINGS CLASSIFICATION FOR FIRE RESISTANCE CATEGORY IN THE FIRE RESISTANCE DIRECTORY. PUTTY PADS AND BOXES FOR USE IN 1 AND 2 HR FIRE RATED GYPSUM WALLBOARD ASSEMBLIESM, FRAMED WITH MIN 3–1/2 IN. DEEP WOOD STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. OUTLET BOX SECURED TO WOOD STUD BY MEANS OF TWO NAILING TABS SUPPLIED WITH THE OUTLET BOX. MIN 1/8 IN. THICK MOLDABLE PUTTY PADS ARE TO BE INSTALLED TO COMPLETELY COVER THE EXTERIOR SEAL AGAINST THE STUD WITHIN THE STUD CAVITY. OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES. WHEN MOLDABLE PUTTY PAD OUTLET BOX PROETECTIVE MATERIAL IS USED ON BOXES ON BOTH SIDES OF WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN BOXES ON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK TO BACK

CP617 FIRESTOP PUTTY PADS, FOR USE WITH MAX 2–1/4 BY 3–3/4 BY 2–1/4 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY PASS AND SEYMORE INC., AND BEARING A 2 HR. RATING UNDER THE " OUTLET BOXES AND FITTINGS CLASSIFICATION FOR FIRE RESISTANCE CATEGORY IN THE FIRE RESISTANCE DIRECTORY. PUTTY PADS AND BOXES FOR USE IN 1 AND 2 HR FIRE RATED GYPSUM WALLBOARD ASSEMBLIESM, FRAMED WITH MIN 3–1/2 IN. DEEP WOOD STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. OUTLET BOX SECURED TO WOOD STUD BY MEANS OF TWO NAILING TABS SUPPLIED WITH THE OUTLET BOX. MIN 1/8 IN. THICK MOLDABLE PUTTY PADS ARE TO BE INSTALLED TO COMPLETELY COVER THE EXTERIOR SEAL AGAINST THE STUD WITHIN THE STUD CAVITY. OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES. WHEN MOLDABLE PUTTY PAD OUTLET BOX PROETECTIVE MATERIAL IS USED ON BOXES ON BOTH SIDES OF WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN BOXES ON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK TO BACK

CP617 FIRESTOP PUTTY PADS, FOR USE WITH MAX 4 BY 3–3/4 BY 3 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY ALLIED MOLDED PRODUCTS, INC., MADE FROM FIBER REINFORCED THERMOPLASTIC AND BEARING A 2 HR RATING UNDER THE " OUTLET BOXES AND FITTINGS CLASSIFICATION FOR FIRE RESISTANCE" CATEGORY IN THE FIRE RESISTANCE DIRECTORY. PUTTY PADS AND BOXES FOR USE IN 1 HR FIRE RATED GYPSUM WALLBOARD ASSEMBLIESM, FRAMED WITH MIN 3–1/2 IN. DEEP WOOD STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. OUTLET BOX SECURED TO WOOD STUD BY MEANS OF TWO NAILING TABS SUPPLIED WITH THE OUTLET BOX. MIN 1/8 IN. THICK MOLDABLE PUTTY PADS ARE TO AE INSTALLED TO COMPLETELY COVER THE EXTERIOR SEAL AGAINST THE STUD WITHIN THE STUD CAVITY. OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES. WHEN MOLDABLE PUTTY PAD OUTLET BOX PROETECTIVE MATERIAL IS USED ON BOXES ON BOTH SIDES OF WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN BOXES ON OPPOSITE SIDES OF THE WALL MAY BE LESS THAN 24 IN. PROVIDED THAT THE BOXES ARE NOT INSTALLED BACK TO BACK

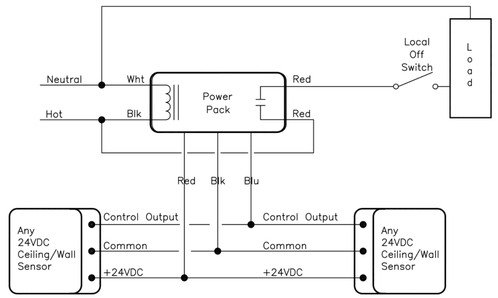


OCCUPANCY DETECTOR WIRING DIAGRAM

NOTES:
1. THIS DIAGRAM AND ALL PART NUMBERS ARE BASED ON "LEVITON" PRODUCTS.
2. PROVIDE SENSORS IN ALL ROOMS AS REQUIRED BY FBC 13–415.1

NOT TO SCALE EDLC_WS57001B

LIGHTING CONTROL DETAIL



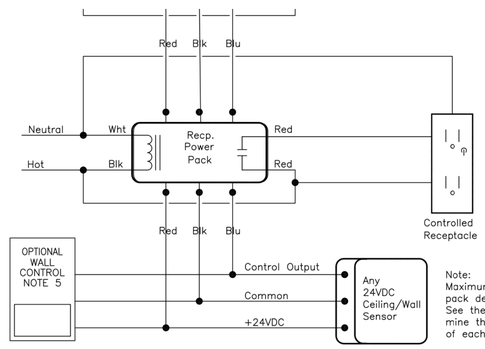
Note:
Maximum number of sensors per power pack depends on the model of sensor. See the product data sheet to deter–mine the specific current consumption of each sensor.

Multiple Occupancy Sensors Using One Power Pack

NOT TO SCALE

CEILING LIGHTING CONTROL DETAIL

NOTES:
1. THIS DIAGRAM AND ALL PART NUMBERS ARE BASED ON "WATTSTOPPER" PRODUCTS.
2. PROVIDE SENSORS IN ALL ROOMS AS REQUIRED BY FBC 13–415.1



Note:
Maximum number of sensors per power pack depends on the model of sensor. See the product data sheet to deter–mine the specific current consumption of each sensor.

NOT TO SCALE

LGT/RECEPTACLE CONTROL DETAIL

NOTES:
1. PROVIDE VACANCY SENSOR IN LOCATIONS INDICATED. INSTALL IN ALL OFFICE LOCATIONS PER ASHRAE 90.1
2. CONTRACTOR TO ADJUST SENSITIVITY LEVEL BASED ON ROOM SIZE AND FURNITURE LAYOUT, SET TIME OUT ON SENSOR TO 12 MIN. (ALL SENSORS MUST BE FIELD ADJUSTED, DONT INSTALL WITH FACTORY SETTING) PROVIDE SENSOR MASKING KIT AS REQUIRED
3. PROVIDE 20A., 24 VOLT RELAY IN AREAS INDICATED TO AUTOMATICALLY DISCONNECT 120 VOLT RECEPTACLE POWER WHEN NO OCCUPANCY IS DETECTED. RELAY SHALL BE MANUFACTURED BY SAME MANUFACTURER AS THE POWER PACK TO INSURE COMPATIBLE VOLTAGE AND POWER RATING REQUIRED TO CONTROL RECEPTACLE AS INDICATED
4. PROVIDE DUPLEX RECEPTACLES IN AREAS INDICATED WITH HALF–SWITCHED OUTLETS. OUTLETS SHALL EACH HAVE A PERMANENT LABEL INDICATING TOP HALF OF RECEPTACLES ARE CONTROLLED.
4. OPTIONAL LOW VOLTAGE WALL SENSOR CAN BE USED IF CEILING SENSOR IS NOT REQUIRED FOR ROOM COVERAGE. DELETE LOCAL SWITCH BETWEEN LGT RELAY PACK AND LGT. LOAD.

ELECTRICAL SPECIFICATIONS:

1. VERIFY ALL EQUIPMENT CIRCUIT BREAKER SIZES PRIOR TO ORDERING GEAR THE INSTALLATION SHALL COMPLY WITH ALL LOCAL, STATE, COUNTY LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL INSTALLATIONS, AND WITH THE REGULATIONS OF THE NFPA WHERE SUCH REGULATIONS DO NOT CONFLICT WITH THOSE LAWS. OBTAIN ALL PERMITS AS REQUIRED.
2. NOTIFY THE ARCHITECT/OWNER/BUILDER OF ANY IMPACT FEES REQUIRED BY THE COUNTY OR LOCAL UTILITY CO.
3. ALL MATERIALS, EQUIPMENT AND APPARATUS SHALL BE NEW, OF CURRENT MANUFACTURE AND SHALL BEAR THE SEAL OF APPROVAL OF THE UNDERWRITERS LABORATORIES. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT A NEAT APPERANCE WHEN COMPLETED.
4. FURNISH AND INSTALL ALL EQUIPMENT NECESSARY FOR TEMPORARY LIGHTING AND POWER FOR ENTIRE JOB SITE. ENERGY COST PAID BY OTHERS.
5. IN GENERAL, THE CONDUIT INSTALLATION SHALL FOLLOW THE LAYOUT SHOWN ON THE PLANS. THIS LAYOUT IS HOWEVER DIAGRAMMATIC ONLY, AND WHERE CHANGES ARE NECESSARY DUE TO STRUCTURAL CONDITIONS, OTHER APPARATUS OR OTHER CAUSES, SUCH CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER. IT IS RECOGNIZED THAT BRANCH CIRCUIT ROUTING SHOWN ON THE DRAWINGS MAY NOT ALWAYS BE THE MOST ECONOMICAL OR THE MOST FEASIBLE METHOD. ROUTING MAY BE CHANGED BY THE CONTRACTOR AND INSTALLED PER THE LATEST NEC.
6. ALL CONDUCTORS SMALLER THAN 3/0 SHALL BE COPPER THHN WITH NOT LESS THAN 98% CONDUCTIVITY. CONDUCTORS 10–14 MAY BE SOLID OR STRANDED
7. ALL RECEPTACLE CIRCUITS SHALL BE SEPERATE FROM LIGHTING CIRCUITS. ALL NON–LINEAR LOADS SHALL HAVE A SEPERATE NUETRAL WIRE FOR EACH CIRCUIT.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY CATALOG NUMBERS IN THE FIXTURE SCHEDULE TO ENSURE IT MATCHES THE DESCRIPTION GIVEN AND FOR PROPER CEILING MOUNTING, REQUIRED ACCESSORIES, ETC.
9. ALL CONDUIT AND BOXES PASSING THROUGH OR INSTALLED WITHIN FIRE WALLS AND SMOKE WALLS SHALL BE INSTALLED SO AS TO MAINTAIN THE INTEGRITY OF THE WALL THROUGH WHICH IT PASSES. BOXES TO BE INSTALLED WITH 1/8" OF WALL SURFACE.
10. THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED BY HIM UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL REPLACE, WITHOUT ADDITIONAL CHARGE, ALL WORK OR MATERIAL WHICH MAY DEVELOP DEFECTS, ORDINARY WEAR AND TEAR OR DAMAGE RESULTING FROM IMPROPER HANDLING EXCEPTED, WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF FINAL INSPECTION AND ACCEPTANCE FROM THE ARCHITECT OR OWNER. BALLASTS SHALL BE INCLUDED BUT LAMPS SHALL BE EXCLUDED.

LIGHTING FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER AND CATALOG NO.		VOLT	INPUT VA	LAMP NO.	LAMP TYPE	REMARKS
A	2X4 LAY IN LED	COOPER	24FP6440C	120	62	–	4000K LED	–
B	2X2 LAY IN LED	COOPER	22FP4240C	120	32	–	4000K LED	–
C	6" RECESSED CAN LED	COOPER	RL560WH12935/H750ICAT	120	12	–	3500K LED	–
D	STRIP LIGHT LED	COOPER	4WSL–LD2–60–SRS–UNV–L840–CD1–U	120	56	–	4000K LED	–
EM1	EMERGENCY LIGHT INTERIOR	COOPER	APEL	120	1.5	–	LED	–
EX	EXIT/EMERGENCY COMBO LIGHT	COOPER	APC7R	120	1.5	–	LED	–
F	SURFACE MOUNTED LED	BARN LIGHT	BLE–F–WHS16–XXX–FM–NA–WGG–FST–NA–E26	120	12	–	4000K LED	PROVIDE LED LAMP
G	WALL PACK LED	COOPER	XTOR3B–W–XX	120	26	–	4000K LED	–
P	PENDANT LIGHT LED	BARN LIGHT	BLE–C–WHS12–SBK–NA–FST–NA–LED16–3000K	120	16	–	3000K LED	–

GENERAL NOTES:

1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY CATALOG NUMBERS IN THE FIXTURE SCHEDULE TO ENSURE IT MATCHES THE DESCRIPTION GIVEN AND FOR PROPER CEILING MOUNTING, REQUIRED ACCESSORIES, ETC.
2. CONNECT EXIT LIGHTS AND EMERGENCY BALLASTS OF FIXTURES DENOTED AS EMEGENCY TO UNSWITCHED LIGHTING CIRCUIT
3. SEE ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
4. EXAMINE EXISTING CONDITIONS PRIOR TO BID AND COMPARE WITH NEW WORK. REPORT ANY OBSERVED DESCREPANCIES.
5. INTERLOCK EXHAUST FAN WITH RESPECTIVE AHU. PROVIDE REQUIRED #12 WIRE IN CONDUIT. SEE MECHANICAL DRAWINGS, FAN SCHEDULE, FOR INTERLOC
6. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE ADEQUATE WORKING SPACE IN FRONT OF ALL PANELBOARDS, MOTOR STARTERS AND FUSED DISCONNECT SWITCH. WORKING SPACE SHALL BE CLEAR OF PIPES AND DUCTS. ANY CODE VIOLATION AS A RESULT OF LACK OF COORDINATION SHALL BE RECTIFIED AT NO COST TO OWNER.
7. LOAD CALCULATION/ TOTAL CONNECTED LOAD SHOWN AT BOTTOM OF PANEL SCHEDULES.
8. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE.

Electrical Notes & General Details

Kyle McDonough William Brown

Brittany's Cupcakes
Interior Renovation of an Existing Commercial Parcel
224 N Marion Ave, Lake City, FL 32055

DATE 04/25/22
DRAWN BY KEB
JOB # 2022-173

SHEET E-1

SCHEDULE OF BRANCH CIRCUIT PANEL "EP1"

MAIN: 125 AMP MLO:125 MCB: NO
SPEC: EXISTING
MOUNTING: SURFACE

VOLTAGE: 120/240V, 3C 3W
GRND BUS: YES LOCATION: EXISTING TENANT SPACE
AIC SYMM: 22,000 FED FROM: METER CENTER

DESCRIPTION	WIRE	GND	COND.	TRIP	CKT.	KVA	NOTES	KVA	CKT.	TRIP	COND.	GND	WIRE	DESCRIPTION
HVAC - EXISTING	#6	#8	1"	30	1	10		1.0	2	20	1/2"	#12	#12	EXTERIOR LIGHTING
					3				4					
LIGHTING - EXISTING	#12	#12	1/2"	20	5	1.0		1.0	6	20	1/2"	#12	#12	EXHAUST FANS
LIGHTING EXISTING	#12	#12	1/2"	20	7	1.0		1.0	8		1/2"	#12	#12	EXIT LIGHTING
RECEPTACLES - EXISTING	#12	#12	1/2"	20	9	1.5			10					
RECEPTACLES EXISTING	#12	#12	1/2"	20	11	1.5			12					
					13			10	14	30	1"	#8	#6	TANKLESS W/H
REFRIGERATOR & FREEZEZR (#1 & #2)	#12	#12	1/2"	20	15	1.5			16					
COOLER & BEVERAGE (#4 & #5)	#12	#12	1/2"	20	17	1.0			18					
COFFEE MAKER (#7)	#12	#12	1/2"	20	19	1.5			20					
ICE MAKER & DISPLAY (#6 & #8)	#12	#12	1/2"	20	21	1.0			22					
(3) MIXERS (#9)	#12	#12	1/2"	20	23	1.5			24					
INDUCTION COOKER (#10)	#12	#12	1/2"	20	25	1.5			26					
MICROWAVE (#11)	#12	#12	1/2"	20	27	1.5			28					
KITCHEN RECEPTACLES (GENERAL)	#12	#12	1/2"	20	29	1.0			30					
CONVECTION OVEN (#3)	#4	#6	1"	60	31	12			32					
					33				34					
OFFICE/STORAGE RECEPTACLES	#12	#12	1/2"	20	35	1.0			36					
					37				38					
					39				40					
							TOTAL KVA		36.8					

EXISTING

Electrical Load Calculation

Panel – "EP-1"

Brittany's Cupcakes

Existing Service Size: 125-**amp 230/240 Volt 1 Phase 3 Wire**

Total sf 1262 +/-

Existing Load Allowances

Fluorescent Areas(A)	=	2000 VA
EM Lighting (EM/EH)	=	1000 VA
Exit Lighting	=	2 VA
Receptacles	=	3000 VA

New Receptacles

Ref/Freezer	725 VA + 242 VA	966 x 100% =	966 VA
Cooler/Beverage*	840 VA + 840 VA	1680 x 100% =	1680 VA
Coffee Maker*	1800 VA	1800 x 100% =	1800 VA
Ice Maker/Display	610 VA + 782 VA	1392 x 100% =	1392 VA
Mixers	504 VA x 3	1512 x 100% =	1512 VA
Induction Cooker	1800 VA	1800 x 100% =	1800 VA
Microwave	1440 VA	1440 x 100% =	1440 VA
Convection Oven	12000 VA	12000 x 100% =	12000 VA
Kitchen General (GFCI)	10 x 360 VA =	3600 x 100% =	3600 VA
Office/Storage	5 x 360 VA =	1800 x 100% =	1800 VA

Special Loads

Water Heater	1 x 10000 VA =	10000 x 100% =	10000 VA

Total Load 43992 VA

240/1.73 = 415 43992/415 = 106 Amps

*** ASTERIK MEANS WE DID NOT RECEIVE APPLIANCE INFORMATION, LOADS ARE BASED ON ALLOWANCE**

****NOTE: EXISTING ALLOWANCE TABULATIONS ARE BASED ON BEST OBSERVATION FROM INFORMATION PROVIDED. IF ANY ISSUES ARE ERADICATED DURING FIELD INSTALL/IMPLEMENTATION PLEASE NOTIFY EOR IMMEDIATELY FOR FURTHER INSTRUCTION****

Power Plan

Kyle Mcdonough
William Brown

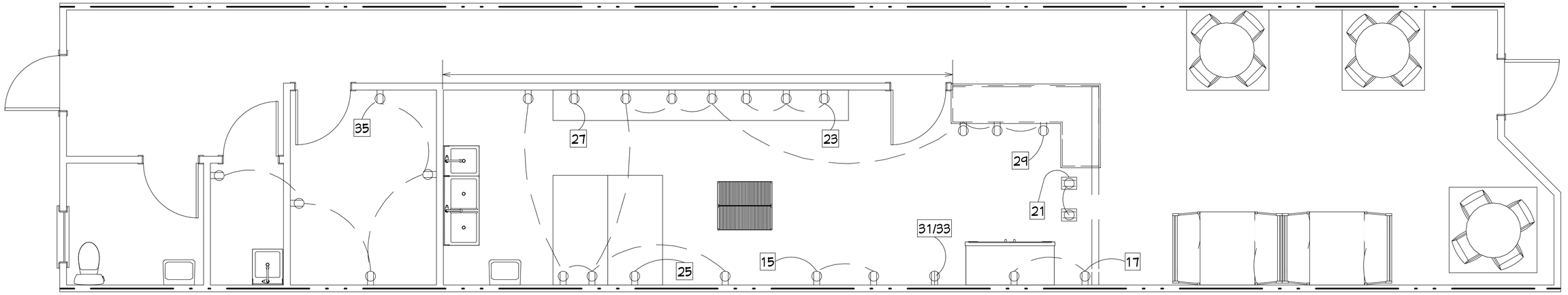
Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

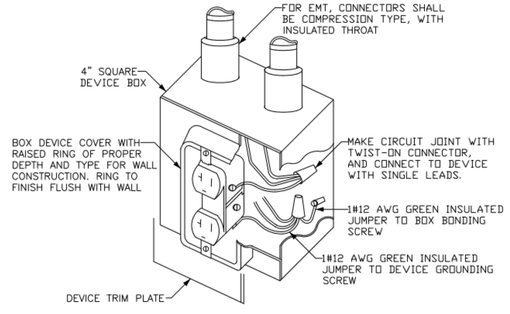
DATE 04/29/22
PROJECT NO. KWEB
JOB # 2022.113

SHEET E-2



POWER FLOOR PLAN

SCALE - 3/8" = 1'



TYPICAL DUPLEX RECEPTACLE INSTALLATION

NOT TO SCALE

Power Floor Plan

Kyle Mcdonough
William Brown

Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

DATE 04/25/22
DRAWN KEB
JOB # 2022-173

SHEET E-3

PLUMBING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	MANUFACTURER	WASTE	CW	HW
WC-1	WATER CLOSET, ADA 16-1/2" HEIGHT, ELONGATED TOILET. VITREOUS CHINA, FLOOR MOUNTED, FLOOR OUTLET, TANK TYPE, LOW CONSUMPTION 1.6 GPF. SEAT INSTALLED MIN. 18" FROM FINISH FLOOR TO TOP OF SEAT SEAT: EXTRA HEAVY DUTY PLASTIC, OPEN FRONT SEAT LESS COVER WITH CONCEALED CHECK AND STAINLESS STEEL HINGE POST. ACCESSORIES: HEAVY DUTY WAX BOWL RING. WAX GASKET FOR SETTING ANY FLOOR TYPE WATER CLOSET BOWL.	KOHLER K-3979 BEMIS CHURCH OLSONITE OATEY 31190	3"	1/2"	-
L-1	LAVATORY, ADA WALL HUNG LAVATORY, VITREOUS CHINA, FAUCET HOLES ON 4" CENTERS. FAUCET: 4" CENTERSET CAST BRASS FAUCET, SINGLE LEVER HOT AND COLD WATER MIXING TEMPERED WATER: PROVIDE WATER TEMPERATURE LIMITING DEVICE (THERMOSTATIC MIXING VALVE) THAT CONFORMS TO ASSE 1070 PER FPC 416.5 STOPS/ACCESSORIES: 1/2" CHROME PLATED BRASS WHEEL HANDLE ANGLED STOP, CHROME PLATED STEEL FLANGE AND 12" FLEXIBLE CHROME PLATED COPPER LAVATORY RISERS. GRID DRAIN WITH OFFSET TAILPIECE AND CHROME PLATED P-TRAP MOUNT AT HANDICAPPED HEIGHT, PROVIDE BLOCKING IN WALL FOR MOUNTING OF LAVATORY SUPPLY LAV-GUARD INSULATION KIT.	McGUIRE MANUFACTURING TRUEBRO MODEL#102G	1-1/4"	1/2"	1/2" 110°F
SFS	FLOOR SINK 12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON 1/2 GRATE, ABS DOME STRAINER.	ZURN FD2375-NH3	3"	-	-
MS	MOP SINK	PROVIDED BY OTHERS. INSTALLED BY CONTRACTOR.	3"	1/2"	1/2"
FD	FLOOR DRAIN DUCO CAST IRON BODY AND FLASHING COLLAR WITH SLOTTED SEDIMENT BUCKET, 12" SQUARE NICKEL BRONZE TOP. PROVIDE 1/2" TRAP PRIMER CONNECTION.	JAY R. SMITH 2240	3"	1/2"	-
IM	ICEMAKER AND FILTER BANK ASSEMBLY	PROVIDED OTHERS. INSTALLED BY CONTRACTOR.	-	1/2"	-
HS	HAND SINK	PROVIDED OTHERS. INSTALLED BY CONTRACTOR.	2"	1/2"	1/2" 110°F
S-1	3-COMPARTMENT SINK	PROVIDED OTHERS. INSTALLED BY CONTRACTOR.	2"	3/4"	3/4" 140°F
IB	ICE BIN	PROVIDED OTHERS. INSTALLED BY CONTRACTOR.	1 1/2"	-	-

PLUMBING LEGEND

ABBREVIATIONS & SYMBOLS:

	WALL CLEAN OUT
	FLOOR CLEAN OUT
A/C	ABOVE CEILING
AP	ACCESS PANEL
B/G	BELOW GROUND
B/F	BELOW FLOOR
BFP	BACK FLOW PREVENTER
EX.	EXISTING
HD	HUB DRAIN
VTR	VENT THROUGH ROOF
TP	TRAP PRIMER
WH	WATER HEATER
FW	FILTERED WATER
COOG	CLEANOUT ON GRADE
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
	POINT OF CONNECTION - NEW WORK TO EXISTING

PLUMBING FIXTURES:

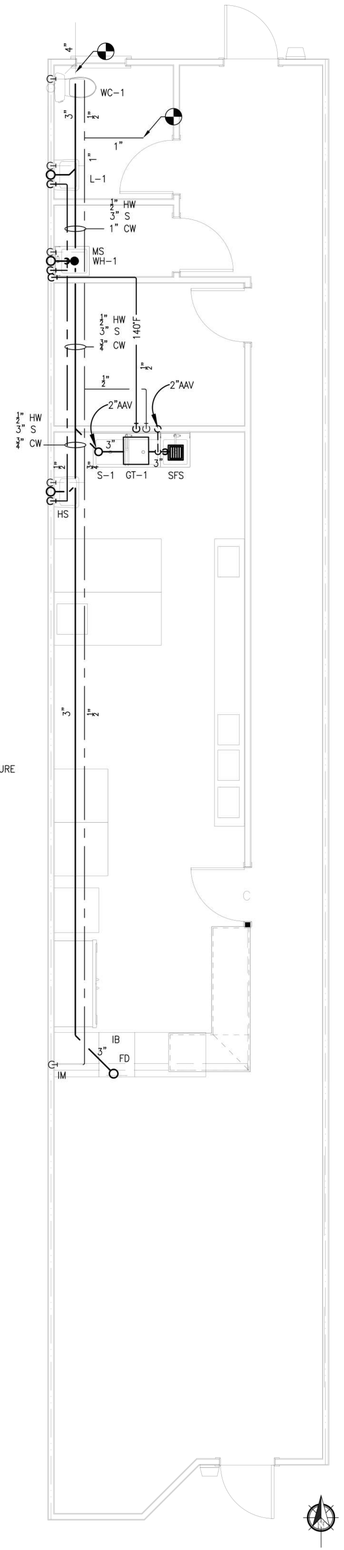
FD	FLOOR DRAIN
WH	WALL HYDRANT
HB	HOSE BIBB
L	LAVATORY
MS	MOP SINK
S	SINK
SA-A	SHOCK ARRESTOR - P.P.I SIZE
SS	SERVICE SINK
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
WC	WATER CLOSET
WB	WASHER BOX
TMV	THERMOSTATIC MIXING VALVE
GI	GREASE INTERCEPTOR

PIPING & VALVES:

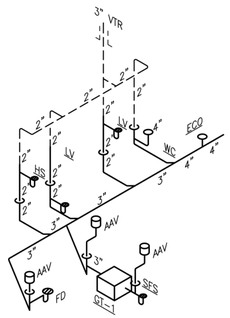
NEW SANITARY (S)	BALL VALVE
NEW COLD WATER (CW)	BUTTERFLY VALVE
110° HOT WATER (110°F)	GATE VALVE
140° HOT WATER (140°F)	GLOBE VALVE
NEW GREASE WASTE (GW)	STRAINER
NEW VENT (V)	PIPE UNION
EXISTING SANITARY (S)	CHECK VALVE
EXISTING COLD WATER (CW)	ASME PRESSURE/TEMPERATURE RELIEF VALVE
EXISTING HOT WATER (HW)	TEMPERED WATER MIXING VALVE
	PIPE UP
	PIPE DOWN
	SHOCK ARRESTOR

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE - PLUMBING, NFPA 70, NFPA 101, AND THE AMERICAN DISABILITIES ACT (ADA).
2. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING AND ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
3. SLEEVE AND FIRE STOP PENETRATIONS OF RATED WALLS, FLOORS, CEILINGS AND ROOFS. FLASH AND COUNTERFLASH ROOF PENETRATIONS.
4. PROVIDE SIX SETS (GC DETERMINE EXACT QUANTITY) OF SHOP DRAWINGS OF PLUMBING FIXTURES, PIPING MATERIALS/FITTINGS, INSULATION, VALVES, AND EQUIPMENT FOR REVIEW BY ENGINEER OF RECORD. SHOP DRAWINGS SHALL BE ASSEMBLED BY THE CONTRACTOR IN A BOUND BOOKLET AND BE COMPLETE INCLUDING ALL ITEMS REQUIRED IN THE PLUMBING CONTRACT. IN-COMPLETE BOOKLETS PUT TOGETHER BY A FIXTURE MANUFACTURER WILL BE REJECTED AND RETURNED.
5. PLUMBING SERVICE ROUTING IS BASED ON SITE LIMITED SITE VISIBILITY, AS NO AS-BUILT DRAWINGS EXIST FOR THE FACILITY. PLUMBING CONTRACTOR TO DETERMINE SITE SPECIFIC SERVICE ROUTING AND SERVICE FLOW PRIOR TO TIE-IN AND NEW SERVICE LAYOUT.



FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



RISER DIAGRAM - GREASE WASTE AND SANITARY
SCALE: NO SCALE

Plumbing Notes & General Details

Kyle McDonough Williams Brown

Interior Renovation of an Existing Commercial Parcel

Brittany's Cupcakes

224 N Marion Ave, Lake City, Fl, 32055

DATE 04/23/22
DRAWN BY KNEB
JOB # 2022-173

SHEET P-1