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Harnett COUNTY NORTH CAROLINA

Reviewed for Fire Code Compliance
Harnett COUNTY NORTH CAROLINA Leslie Jackson
10/07/2026 8:35:16 AM

CentralPermitting@Harnett.org
(910) 893-7525 ext:1
420 McKinney Pkwy (physical)
PO Box 65 (mailing)
Lillington, NC 27546

COMMERCIAL BUILDING APPLICATION

Site Address: ~~459~~ 445 Leslie Campbell Ave, Bouies Creek, NC 27506 **PIN**: _____

Owner: Campbell University **Phone**: _____ **Email**: _____

Description of Proposed Work: Upfit of Sushi Restaurant to Shake Smart **Total Job Cost**: $ $150,000

GENERAL CONTRACTOR INFORMATION

* Must be owner or licensed contractor. Address, company name & phone must match information on license.

Westroc Construction, LLC — General Contractor's Company Name
(252) 382-1025 — Phone
~~PO Box 1367, Wrightsville Beach, NC 28580~~ 1400 Old Lamplighter Way Wilmington, NC 28403 — Address
operations@westrocnc.com — Email
68478 — License #
DocuSigned by: Michael Barnhill E713A37EE9514F8... — Signature of Owner/Contractor/Officer of Corp.
$ $120,000 **Building Cost** (excluding trades)

ELECTRICAL CONTRACTOR INFORMATION

Description of Work: Lights and Outlets Service Size: 100 Amps T-Poles: YES ☐ NO ☒

Electrical Solutions NC — Electrical Contractor's Company Name
(910 237-0246 — Phone
902 Friendly Rd Dunn NC 28334 — Address
electricalsolutionsnc@gmail.com — Email
U22659 — License #
DocuSigned by: D80CD1A6FAF94AC... — Signature of Owner/Contractor/Officer of Corp.
$ 20,000 **Electrical Cost**

MECHANICAL/HVAC CONTRACTOR INFORMATION

Description of Work: N/A # of Units: _____

_____ — Mechanical Contractor's Company Name
_____ — Phone
_____ — Address
_____ — Email
_____ — License #
_____ — Signature of Owner/Contractor/Officer of Corp.
$ _____ **Mechanical Cost**

PLUMBING CONTRACTOR INFORMATION

Description of Work: Sink and Drain # of Baths: _____

Lira Plumbing — Plumbing Contractor's Company Name
(984) 308-4794 — Phone
~~2000 Brentwood RD STE 4, Raleigh, NC 27604~~ 566 Rose Ln Raleigh, NC 27510 — Address
liraplumbing@gmail.com — Email
29810 — License #
Signed by: DE3A87EAD5E1457... — Signature of Owner/Contractor/Officer of Corp.
$ 10,000 **Plumbing Cost**

APPLICATION CONTINUES ON BACK

Docusign Envelope ID: 6877346F-A3C4-82C3-8142-C5B324D09310

Harnett COUNTY NORTH CAROLINA

REFRIGERATION CONTRACTOR INFORMATION

N/A

Refrigeration Contractor's Company Name _____ Phone _____

Address _____ Email _____

License # _____ Signature of Owner/Contractor/Officer of Corp. _____

SPRINKER CONTRACTOR INFORMATION

N/A

Sprinkler Contractor's Company Name _____ Phone _____

Address _____ Email _____

License # _____ Signature of Owner/Contractor/Officer of Corp. _____

FIRE ALARM CONTRACTOR INFORMATION

N/A

Fire Alarm Contractor's Company Name _____ Phone _____

Address _____ Email _____

License # _____ Signature of Owner/Contractor/Officer of Corp. _____

Driveway Access - NC Department of Transportation Driveway Access/Permit? YES ☐ NO ☒

I hereby certify that I have the authority to complete this application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes and in the Harnett County Zoning Ordinance. I state the information on the aforementioned contractors is correct as it is known to me and that **by signing below I have obtained all subcontractors permission to obtain these permits** and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of all changes.

EXPIRED PERMIT FEES - 6 months to 2 years re-issue fee is $150.00. After 2 years re-issue fee is as per current fee schedule.

DocuSigned by: Michael Barnhill F713A37FF9514F8...

Signature of Owner/Contractor/Officer of Corp.

9/28/2026

Date

APPLICATION CONTINUES ON BACK

Docusign Envelope ID: 6877346F-A3C4-82C3-8142-C5B324D09310

Harnett COUNTY NORTH CAROLINA

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

x
_____ General Contractor _____ Owner _____ Officer/Agent of the Contractor or Owner

Does hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

_____ Has 3 or more employees and has obtained workers' compensation insurance to cover them,

x
_____ Has 1 or more subcontractors and has obtained workers' compensation insurance to cover them,

_____ Has 1 or more subcontractors who has their own policy of workers' compensation insurance covering themselves,

_____ Has no more than 2 employees and no subcontractors,

While working on the project for which this permit is sought and it is understood that the Central Permitting Department issuing the permit may require certificates of workers' compensation insurance coverage from any person, firm, or corporation carrying out the work prior to issuance of the permit or at any time during the permitted work.

DocuSigned by:
Michael Barnhill
F713A37FF9514F8...
Signature of Owner/Contractor/Officer of Corporation

9/28/2026
Date

SHAKE SMART

459 LESLIE CAMPBELL AVE, BUIES CREEK, NC 27506

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES, LAWS, RULES, & REGULATIONS OF ALL LEGALLY CONSTITUTED PUBLIC AUTHORITIES HAVING JURISDICTION. ALL CODES SHALL GOVERN OVER THESE CONSTRUCTION DOCUMENTS, GC IS TO VERIFY ALL LOCAL CODES AND SPECIFICATIONS AND REPORT ARCHITECT OF ANY CONFLICTS BETWEEN THE DRAWINGS AND GOVERNING CODES PRIOR TO BEGINNING CONSTRUCTION. IN CASE OF CONFLICT BETWEEN REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.
2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS & INSPECTIONS REQUIRED FOR CERTIFICATE OF OCCUPANCY. BUILDING PERMITS SHALL BE PROMPTLY AND CONSPICUOUSLY POSTED AT THE BUILDING SITE AT ALL TIMES DURING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES. NOTIFY ARCHITECT IMMEDIATELY IF CONFLICTS EXIST BETWEEN EXISTING UTILITIES AND NEW CONSTRUCTION. PATCH, REPAIR, AND/OR REPLACE ALL ADVERSELY AFFECTED FINISHES AND SURFACES AS REQ'D. UPON COMPLETION OF CONSTRUCTION. ALL PARKING AREA PAVEMENT AND NEW CONCRETE PADS SHALL TRANSITION SMOOTHLY.
4. UNLESS OTHERWISE PROVIDED IN CONTRACT DOCUMENTS, CONTRACTOR TO PROVIDE AND PAY FOR ALL LABOR, CONSTRUCTION EQUIPMENT AND MACHINERY, TOOLS, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK. CONTRACTOR TO PAY ALL SALES, CONSUMER, USE AND OTHER SIMILAR TAXES FOR WORK, OR PORTIONS THEREOF PROVIDED BY CONTRACTOR, WHICH ARE LEGALLY ENACTED AT TIME OF CONSTRUCTION.
5. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING CONTRACTOR'S BEST SKILL AND ATTENTION, CONTRACTOR TO BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND SHALL COORDINATE ALL PORTIONS OF THE WORK SO THAT THE WORK AS A WHOLE SHALL BE EXECUTED AND COMPLETED WITHOUT CONFLICT OR DELAY.
6. CONTRACTOR SHALL BE RESPONSIBLE TO OWNER FOR THE ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH CONTRACTOR.
7. CONTRACTOR WARRANTS TO THE OWNER THAT ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THIS CONTRACT WILL BE NEW, UNLESS OTHERWISE SPECIFIED AND ALL WORK WILL BE OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH CONTRACT DOCUMENTS.
8. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS, EQUIPMENT INSTALLATION INSTRUCTIONS AND SHOP DRAWINGS OF ALL TRADES TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE WORK REQUIRED. NO WORK SHALL BE PERFORMED AT ANY TIME WITHOUT CONSTRUCTION DOCUMENTS, OR WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA, OR SAMPLES FOR SUCH PORTION OF THE WORK.
9. THE CONTRACTOR ACKNOWLEDGES AND AGREES THAT THE CONTRACT DOCUMENTS ARE SUFFICIENT TO PROVIDE FOR THE COMPLETION OF THE WORK AND SHALL INCLUDE WORK, WHETHER OR NOT SHOWN OR DESCRIBED, WHICH REASONABLY MAY BE INFERRED TO BE REQUIRED OR USEFUL FOR THE COMPLETION OF THE WORK IN ACCORDANCE WITH APPLICABLE LAWS, CODES, AND PROFESSIONAL STANDARDS.
10. THE CONTRACTOR SHALL ADHERE TO THE DRAWINGS AND SPECIFICATIONS. SHOULD ANY ERROR OR INCONSISTENCY APPEAR REGARDING THE TRUE MEANING AND/OR INTENT OF THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE ARCHITECT WHO WILL MAKE ANY NECESSARY CLARIFICATION, INTERPRETATION, OR REVISION AS REQUIRED.
11. IF THE CONTRACTOR DISCOVERS AN ERROR OR INCONSISTENCY AND PROCEEDS WITH WORK WITHOUT NOTIFYING THE OWNER & ARCHITECT OF ANY SUCH DISCREPANCIES, HE SHALL ASSUME ALL CHARGES AND MAKE ANY CHANGES TO HIS WORK MADE NECESSARY BY HIS FAILURE TO OBSERVE AND/OR REPORT THE CONDITION.
12. ALL ITEMS NECESSARY TO PRODUCE A FINISHED INSTALLATION, WHETHER LISTED OR NOT, ARE TO BE INCLUDED AT NO EXTRA COST, AND NO EXTRAS WILL BE ALLOWED. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, CODES AND OTHER REGULATORY REQUIREMENTS AND PASS STATUTORY INSPECTIONS.
13. CONTRACTOR SHALL NEVER SCALE DRAWINGS. LOCATIONS FOR ALL PARTITIONS, WALLS, CEILINGS, ETC. WILL BE DETERMINED BY DIMENSIONS ON THE DRAWINGS. ANY SUCH DIMENSIONS MISSING FROM THE PLANS MUST BE BROUGHT TO THE ATTENTION OF THE OWNER & ARCHITECT IMMEDIATELY.
14. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS/DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR VERIFY ALL DIMENSIONS ON THESE PLANS PRIOR TO COMMENCING CONSTRUCTION.
16. WALL CONSTRUCTION DIMENSIONS ARE FROM FINISH FACE TO FINISH FACE U.N.O CONTRACTOR SHALL COMPENSATE FOR SUCH WHEN LAYING OUT OR MEASURING FOR CHALK LINES.
17. THE CONTRACTOR SHALL PROVIDE CRITICAL CLEARANCES, TOLERANCES, AND DIMENSIONS AS INDICATED ON THE DRAWINGS, REQUIRED BY CODE, OR REQUIRED BY MANUFACTURERS. THESE CRITICAL DIMENSIONS ARE NOT OPTIONAL. THE ARCHITECT SHALL BE ADVISED IMMEDIATELY IF EXISTING CONDITIONS DO NOT PERMIT CRITICAL DIMENSIONS AS SHOWN. NO CONSIDERATION WILL BE GIVEN TO ANY CLAIM BASED ON DIFFERENCES BETWEEN THE ACTUAL DIMENSIONS AND THOSE INDICATED IN THE DRAWINGS.
18. THE CONTRACTOR SHALL BE ACQUAINTED WITH THE DIMENSIONS OF ALL EQUIPMENT INCLUDED IN THIS PROJECT TO ENSURE THAT PREPARATIONS CAN BE MADE TO PROVIDE ENTRY INTO THE FACILITY WITH SUFFICIENT CLEARANCE, AND TO ENSURE THAT ADEQUATE FLOOR SPACE IS AVAILABLE.
19. CONTRACTOR TO VERIFY FIT & FINISH REQUIREMENTS FOR ALL PROJECT COMPONENTS, WITH OWNER, PRIOR TO ORDERING MATERIALS. REPORT CONFLICTING INFORMATION TO OWNER PRIOR TO PROCEEDING WITH WORK.
20. CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION & CONSTRUCTION DEBRIS AS REQUIRED BY FEDERAL, STATE, AND LOCAL ORDINANCES.
21. CONTRACTOR SHALL COORDINATE THE REQUIREMENTS OF ANY AND ALL DRAWINGS INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER & ARCHITECT PRIOR TO ANY WORK.
22. IF THE INTENT OF THE DRAWINGS & SPECIFICATIONS ARE UNCLEAR, THE CONTRACTOR SHALL ASK THE ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH WORK, IN THE FORM OF A WRITTEN R.F.I. (REQUEST FOR INFORMATION). THE ARCHITECT SHALL THEN RESPOND IN WRITING TO ALL APPROPRIATE PARTIES.
23. CONTRACTOR SHALL REFER TO THESE DOCUMENTS, AS WELL AS SPECIFICATIONS, FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. CONTRACTOR SHALL VERIFY WITH OWNER, PRIOR TO ORDERING, WHICH ITEMS THE OWNER SHALL SUPPLY. ALL ITEMS NOT MARKED AS 'OWNER SUPPLIED' ARE TO BE SUPPLIED BY THE CONTRACTOR. UNLESS NOTED OTHERWISE ALL ITEMS ARE TO BE INSTALLED BY GENERAL CONTRACTOR.
24. ALL FINISHES, SPECIFIED OR NOT, SHALL BE APPROVED BY OWNER/ARCHITECT FOR SUITABILITY PRIOR TO APPLICATION.
25. IF THE CONTRACTOR PROPOSES A MATERIAL OR EQUIPMENT SUBSTITUTION, HE SHALL PROVIDE ALL APPROPRIATE DOCUMENTATION AND INFORMATION REQUIRED TO DETERMINE WHETHER OR NOT THE SUBSTITUTION IS EQUAL TO THE SPECIFICATION. WHERE SPECIAL ITEMS REQUIRE EXTENDED LEAD TIME PREVENTING INSTALLATION BY PROJECTED MOVE IN DATE, CONTRACTOR IS TO PROPOSE AN AVAILABLE ALTERNATE FOR APPROVAL BY OWNER/ARCHITECT AS WELL AS TO PREPARE PRICING FOR POSSIBLE TEMPORARY ASSEMBLIES AND/OR FINISHES.
26. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF WORK, MATERIALS, FIXTURES, ETC. FROM LOSS, DAMAGE, FIRE, THEFT, ETC.
27. WHEREVER THE TERM "OR EQUAL" IS USED, IT SHALL MEAN EQUAL PRODUCT AS APPROVED IN WRITING BY ARCHITECT.
28. "TYPICAL" MEANS TYPICAL FOR ALL SIMILAR CONDITIONS UNO.
29. ALL REQUIRED FIREPROOFING IS TO BE UL APPROVED. CONTRACTOR SHALL STENCIL/LABEL ON ALL RATED WALLS IN CONCEALED AREAS THE FOLLOWING: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS".
30. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY ANCHORING, INWALL FRAMING, AND BLOCKING AS NECESSARY PER CODE AND/OR TO CARRY SHELF, HANGING, AND VALANCE LOADS, RAILINGS, ETC.
31. PROVIDE SILICONE SEALANT AT ALL JOINTS AND INTERFACES OF ALL COUNTERTOPS, EQUIPMENT AND WALLS.
32. PROJECT SHALL BE LEFT CLEANED AND POLISHED AFTER COMPLETION OF WORK.
33. MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISHES SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES.
34. INSTALLATION SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS IN THE CASE OF PROPRIETARY PRODUCTS AND SYSTEMS. OTHER INSTALLATION SHALL BE ACCORDING TO RELATED REFERENCED NATIONAL STANDARDS OR TRADE ASSOCIATION'S APPLICABLE STANDARDS.
35. CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS REQUIRED TO MEET SAFETY CODES AS REQUIRED BY ALL APPLICABLE FEDERAL, STATE AND LOCAL GOVERNING ORDINANCES, CODES & REGULATIONS.

PROJECT NOTES

VERIFY CONDITIONS

CONTRACTOR SHALL FIELD VERIFY ALL BUILDING CONDITIONS PRIOR TO BID.

PROJECT NARRATIVE

THIS PROJECT IS CONVERSION EXISTING KITCHEN FOR SHAKE SMART OF 500 SQ. FT. LOCATED AT SECOND LEVEL OF STUDENT CENTER BUILDING WITH LIMITED WORK AS LISTED BELOW:

1. REMOVE EXISTING EQUIPMENT AND SALVAGE WHEN NOT REQUIRED PER NEW WORK PLAN.
2. INSTALL NEW KITCHEN EQUIPMENT AND MILLWORK.
3. REWORK ELECTRICAL AS REQUIRED PER NEW EQUIPMENT.
4. REWORK PLUMBING AS REQUIRED PER NEW EQUIPMENT.

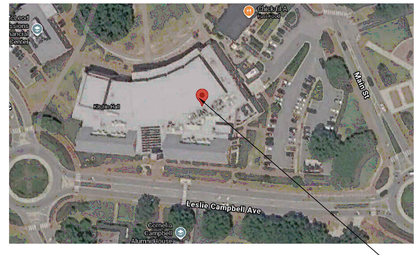
ALL EXISTING WALLS, CEILING, DOORS, EMERGENCY EXITS, LIGHT FIXTURES, FIRE ALARM AND HVAC ARE TO REMAIN.

CODE INFORMATION

BUILDING:	2018 N.C. BUILDING CODE
MECHANICAL:	2018 N.C. MECHANICAL CODE
ELECTRICAL:	2020 N.C. ELECRICAL CODE
PLUMBING:	2018 N.C. PLUMBING CODE
FIRE:	2018 N.C. FIRE CODE
ENERGY:	2018 N.C. ENERGY CONSERVATION CODE
ACCESSIBILITY:	2009 N.C. ACCESSIBILITY CODE (A117.1)

ABBREVIATIONS

ADD'L	ADDITIONAL
AFF	ABOVE FINISH FLOOR
ASF	ABOVE SUB FLOOR
ATS	ABOVE TOP OF SLAB
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
B/	BOTTOM OF
CJ	CONSTRUCTION JOINT
CLG	CEILINGS
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DW	DRYWALL
DWG	DRAWING
EA	EACH
EC	ELEC. CONTRACTOR
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EPS	EXPANDED POLYSTYRENE
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FIN	FINISH
FLR	FLOOR
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GYP	GYPSUM
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LAV	LAVATORY
LIN	LINEAR
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MC	MECH. CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURE (R) (ING)
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	PLUMB. CONTRACTOR
PL	PLASTIC LAMINATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PREFAB	PREFABRICATED
PVC	POLYVINYL CHLORIDE
R	RADIUS
RD	ROOF DRAIN
RECP	RECEPTACLE
REINF	REINFORCING
REQ'D	REQUIRED
RES	RESILIENT
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATIONS
STL	STELL
STRUCT	STRUCTURAL
T&G	TONGUE AND GROOVE
T/	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
W/	WITH
W/O	WITHOUT
WWF	WELDED WIRE FABRIC



VICINITY MAP

LIST OF DRAWINGS

1. G1 PROJECT COVERSHEET
2. G2 BUILDING DATA SHEET
3. D1 DEMOLITION PLAN
4. I1 EQUIPMENT PLAN, REFLECTED CEILING PLAN & SCHEDULES
5. I2 FINISHES PLAN AND INTERIOR ELEVATIONS
6. P1 PLUMBING PLAN
7. E1 ELECTRICAL COVERSHEET
8. E2 ELECTRICAL POWER PLAN & SCHEDULES

SEPTEMBER, 2026

REVISIONS	BY

SEAL AND SIGNATURE

NORTH CAROLINA PROFESSIONAL SEAL 049994 ENGINEER JAYKUMAR R. PATEL

09.05.26

GreenTech Consulting, Inc.
BUILDING SYSTEMS ENGINEERING
200 MORRISVILLE SQUARE WAY, SUITE 101
MORRISVILLE, NC 27650
Voice - 216.681.9136
jpatel@greentc.com
GREENTECH LICENSE # C-2720

SHAKE SMART AT STUDENT UNION

459 Leslie Campbell Ave, Buise Creek, NC 27506

PROJECT COVERSHEET

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	G1
OF	SHEETS

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Shake Smart At Student Uninin
Address: 459 Leslie Campbell Ave, Buies Creek, NC Zip Code 27506
Owner/Authorized Agent: Jay Patel Phone # (216) 681-9136 E-Mail jpatel@greentc.com
Owned By: Private
Code Enforcement Jurisdiction: County

CONTACT:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	N.A.			(____)____	
Civil	N.A.			(____)____	
Electrical	GreenTech Consulting	Jaykumar Patel	049994	(216)681-9136	jpatel@greentc.com
Fire Alarm	N.A.			(____)____	
Plumbing	GreenTech Consulting	Jaykumar Patel	049994	(216)681-9136	jpatel@greentc.com
Mechanical	N.A.			(____)____	
Sprinkler	N.A.			(____)____	
Structural	N.A.			(____)____	
Retaining Walls >5' High				(____)____	
Other				(____)____	

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: Select one

2018 NC EXISTING BUILDING CODE: Alteration Level II N/A N/A

CONSTRUCTED: (date)2019 **CURRENT OCCUPANCY(S)** (Ch. 3): A1, A2, A3, B,M,F1,U

RENOVATED: (date) N/A **PROPOSED OCCUPANCY(S)** (Ch. 3): A1, A2, A3, B,M,F1,U

OCCUPANCY CATEGORY (Table 1604.5): **Current:** II **Proposed:** II

BASIC BUILDING DATA
Construction Type: II-A
Sprinklers: Yes NFPA 13
Standpipes: Class I - Wet
Primary Fire District: Yes **Flood Hazard Area:** No
Special Inspections Required: No

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3rd Floor			
2nd Floor	56,869 (work area 500sq ft)	0	56,869
Mezzanine			
1st Floor	56,354	0	56,354
Basement			
TOTAL	133,223	0	133,223

ALLOWABLE AREA

Primary Occupancy Classification(s): Assembly - A-2 Select one Select one Select one Select one
Accessory Occupancy Classification(s): A-1, A-3, B, M, F1 ,U
Incidental Uses (Table 509):
Special Uses (Chapter 4 – List Code Sections):
Special Provisions: (Chapter 5 – List Code Sections):
Mixed Occupancy: Yes Separation: Select one Exception:
Non-Separated Use (508.3)

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(b) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = ___ (F)
b. Total Building Perimeter = __ (P)
c. Ratio (F/P) = ____ (F/P)
d. W = Minimum width of public way = ____ (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ _____ (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
Building Height in Feet (Table 504.3) [2]	85'	69'	
Building Height in Stories (Table 504.4) [3]	4	2	

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1.
[3] The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		1 HR	EX. 1 HR				
Bearing Walls							
Exterior							
North		NA					
East		NA					
West		NA					
South		NA					
Interior		1 HR	EX. 1 HR				
Nonbearing Walls and Partitions Exterior walls							
North	>30'	0 HR					
East	>30'	0 HR					
West	>30'	0 HR					
South	>30'	0 HR					
Interior walls and partitions		0 HR					
Floor Construction Including supporting beams and joists		1 HR	EX. 1 HR				
Floor Ceiling Assembly		NA					
Columns Supporting Floors		NA					
Roof Construction, including supporting beams and joists		1 HR	EX. 1 HR				
Roof Ceiling Assembly		0 HR	0 HR				
Columns Supporting Roof		0 HR	0 HR				
Shaft Enclosures - Exit		1 HR	EX. 1 HR				
Shaft Enclosures - Lif		1 HR	EX. 1 HR				
Corridor Separation		NA					
Occupancy/Fire Barrier Separation		NA	NA				
Party/Fire Wall Separation		NA					
Smoke Barrier Separation		NA					
Smoke Partition		NA					
Tenant/Dwelling Unit/ Sleeping Unit Separation		0 HR	0 HR				
Incidental Use Separation		NA					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENING PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	Yes
Exit Signs:	Yes
Fire Alarm:	Yes
Smoke Detection Systems:	Yes
Carbon Monoxide Detection:	Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: N.A.

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan)
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☐ Occupancy Use for each area as it relates to occupant load calculations (table 1004.1.2)
- ☐ Occupant loads for each area
- ☐ Exit access travel distances (1017)
- ☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.1))
- ☐ Dead end lengths (1020.4)
- ☐ Clear exit widths for each exit door
- ☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☐ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating the fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☐ Location of doors with panic hardware (1010.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030)
- ☐ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING REQUIRED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
		REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXIST'G	21	31	0	11	18	18	0		9	9
	NEW	0	0	1	0	0	0	1		0	0
	REQ'D	0	0	1	0	0	0	1		0	0

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Yes (The remainder of this section is not applicable)

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: Select one

Method of Compliance: Select one
(If "Other" specify source here)____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Skylights in each assembly:
U-Value of skylight:
total square footage of skylights in each assembly:

Exterior Walls (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Openings (windows or doors with glazing)
Area weighted U-value of assembly:
Area weighted solar heat gain coefficient:
projection factor:
Door R-Values:

Walls below grade (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors over unconditioned space (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors slab on grade
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated:

EXISTING - NO MODIFICATION

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) Select one
Seismic (I_E) Select one

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Ultimate Wind Speed _____ mph (ASCE-7)
Exposure Category S

SEISMIC DESIGN CATEGORY: Select one
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) Select one
Spectral Response Acceleration S_S_____%g S_1_____%g
Site Classification (ASCE 7) Select one
Basic structural system: Select one
Analysis Procedure: Select one
Architectural, Mechanical, Components anchored? Select one

LATERAL DESIGN CONTROL: Select one

SOIL BEARING CAPACITIES:
Assumed _____ psf
Footing size, type, and capacity _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: _____
summer dry bulb: _____

Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Heating/Cooling Conditioning System
Primary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If oversized, state reason.: _____

List equipment efficiencies: _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: N

Lighting schedule (fixture type)
lamp type and in fixture-
number of lamps in fixture-
ballasts used in the fixture-
number of ballasts in fixture-
total wattage per fixture-
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed – N.A.

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☐ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

EXISTING - NO MODIFICATION

REVISIONS	BY

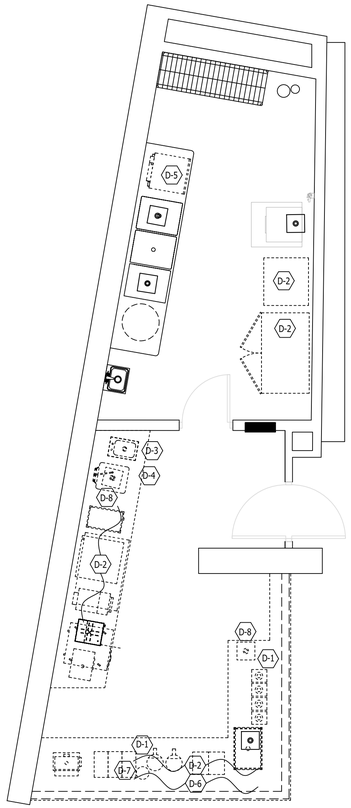
GreenTech Consulting, Inc.
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MORRISVILLE, NC 27560
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jpatel@greentc.com
GREENTECH LICENSE # C-2720

REGISTERED AND SEALED
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049994 JAYKUMAR R. PATEL
09.05.26

SHAKE SMART AT STUDENT UNION
459 Leslie Campbell Ave, Buies Creek, NC 27506

BUILDING DATASHEET

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	G2
OF	SHEETS



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

DEMOLITION NOTES

D-1 DEMO COUNTERTOP AND MILLWORK. KEEP LOW HEIGHT WALL. REFER TO NEW WORK PLAN.

D-2 REMOVE EXISTING EQUIPMENT AND SALVAGE.

D-3 REMOVE EXISTING HAND SINK AND SALVAGE. CAP OFF WATER LINES ABOVE CEILING. CAP OFF WASTE LINE IN WALL.

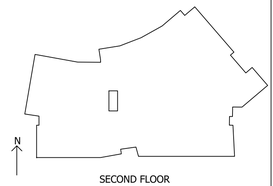
D-4 REMOVE EXISTING DUMP SINK. CAP OFF HOT WATER AND COLD WATER LINES ABOVE CEILING.

D-5 REMOVE DISHWASHER. CAP OFF WATER LINES IN THE WALL. TERMINATE ELECTRICAL WIRING IN JUNCTION BOX.

D-6 CAP OFF UNUSED WATER LINES FROM LOW HEIGHT WALL.

D-7 DEMO UNUSED SODA LINES AND CONDUIT.

D-8 DEMO FLOOR SINK. SEAL OFF WASTE LINE. PATCH THE FLOOR AS REQUIRED.



SECOND FLOOR
KEY PLAN NTS

4' 0 4' 8'
1/4" = 1'-0"
GRAPHIC SCALE

REVISIONS	BY

I HEREBY CERTIFY THAT THE PLANS AND SPECIFICATIONS FOR THIS PROJECT HAVE BEEN PREPARED UNDER MY SUPERVISION AND SEAL:

NORTH CAROLINA PROFESSIONAL SEAL 049994 ENGINEER JAYKUMAR R. PATEL

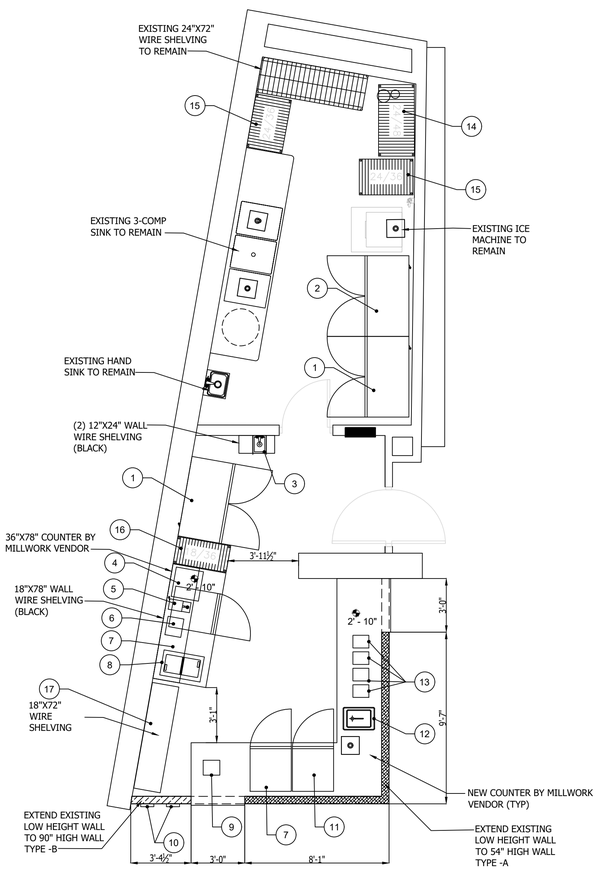
09.05.26

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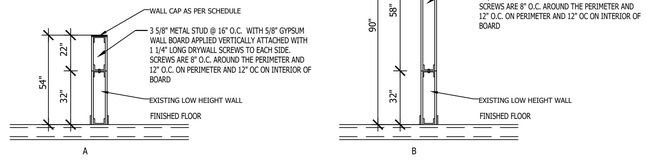
SHAKE SMART AT STUDENT UNION
459 Leslie Campbell Ave, Buise Creek, NC 27506

DEMOLITION PLAN

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	D1
OF	SHEETS



1 EQUIPMENT PLAN
SCALE: 1/4"=1'-0"



3 INTERIOR WALL DETAILS
SCALE: NTS

SYMBOL LEGEND

	EXISTING 2X2 RECESSED LIGHT TO REMAIN
	EXISTING 4' RECESSED LIGHT TO REMAIN
S	EXISTING CEILING MOUNTED SMOKE DETECTOR TO REMAIN
F	EXISTING CEILING MOUNTED HORN STROBE TO REMAIN
	EXISTING SPRINKLER HEAD TO REMAIN
	EXISTING 2X2 CEILING SUPPLY DIFFUSER TO REMAIN
	EXISTING 2X2 CEILING RETURN DIFFUSER TO REMAIN

2X2 CEILING TILES

LIGHTING NOTES :

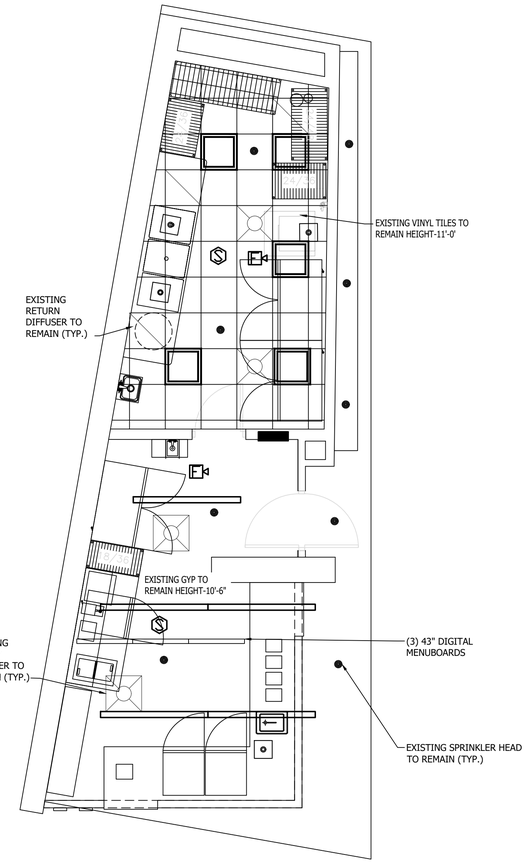
1. AT LEAST **50 FOOT CANDLES** AT A SURFACE WHERE A FOOD EMPLOYEE IS WORKING WITH FOOD OR WORKING WITH UTENSILS OR EQUIPMENT SUCH AS KNIVES, SLICERS, GRINDERS, OR SAWS WHERE EMPLOYEE SAFETY IS A FACTOR.

2. AT LEAST **20 FOOT CANDLES** AT A SURFACE WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE SUCH AS BUFFETS AND SALAD BARS OR WHERE FRESH PRODUCE OR PACKAGED FOODS ARE SOLD OR OFFERED FOR CONSUMPTION, INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER COUNTER REFRIGERATORS, AND AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN AREAS USED FOR HAND WASHING, WARE WASHING, AND EQUIPMENT AND UTENSIL STORAGE AND IN TOILET ROOMS.

3. LIGHT INTENSITY SHALL BE AT LEAST **10 FOOT CANDLES** AT A DISTANCE OF 30 INCHES ABOVE THE FLOOR IN WALK-IN REFRIGERATION UNITS, AND DRY FOOD STORAGE AREAS AND IN OTHER AREAS AND ROOMS DURING CLEANING.

4. SHIELDED LIGHT BULBS SHALL BE USED.

5. ALL LIGHT FIXTURES SHALL HAVE ADDITIONAL GASKET. THE LIGHT FIXTURE SHALL BE TOTALLY ENCLOSED.

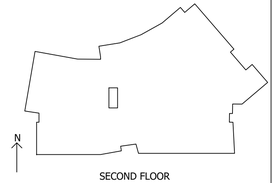


2 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

KITCHEN EQUIPMENT SCHEDULE

DESIGNATION	QTY.	DESCRIPTION	MANUFACTURER	MODEL #	EQUIPMENT DIMENSIONS			PLUMBING REQUIREMENTS					ELECTRICAL REQUIREMENTS			
					WIDTH	DEPTH	HEIGHT	WATER		WASTE	GAS BTUH	GAS CONNECTION	VOLTAGE/ PHASE	AMPS/HP /WATTS	PLUG TYPE	HARD WIRED
								CW	HW							
1	2	REACH IN FREEZER	TRUE	T-49F-HC	54 1/4"	29 1/2"	78 3/8"						120/1	9.6A	5-15P	
2	1	REACH IN REFRIGERATOR	TRUE	T-49-HC	54 1/4"	29 1/2"	78 3/8"						120/1	5.4A	5-15P	
3	1	HAND SINK WITH SPLASH GURAD	KROWNE	HS-19	9"	12"	14"	1/2"	1/2"	2"						
4	1	MICROWAVE	SLOWAVE	180MW1000SS	20'	18.5"	12"						120/1	8.3A	5-15P	
5	1	HOT WATER DISPENSER	BUNN	OHW 02550.0003	6.5"	10.8"	16.9"						120/1	8.6A	5-15P	
6	1	TOASTER	WARING	WCT708	12.5"	10.75"							115/1	15.0A	5-15P	
7	2	U.C. REFRIGERATOR (SINGLE DOOR)	TRUE	TUC-27-LP-HC	27 5/8"	30 1/8"	29 3/4"						115/1	2.0A	5-15P	
8	1	DROP IN FREEZER	DELFIELD	N225P	17.06"	27.41"	26.58"						120/1	1.8A	5-15P	
9	1	P.O.S	BY OWNER										115/1		5-15P	
10	2	SELF ORDERING KIOSK	BY OWNER										115/1		5-15P	
11	1	U.C. FREEZER (SINGLE DOOR)	TRUE	TUC-27F-LP-HC	27 5/8"	30 1/8"	29 3/4"						115/1	2.3A	5-15P	
12	1	DROP IN ICE BIN	DELFIELD	305305	21.25"	15.25"	13"			1"						
13	4	VITA MIXER	VITAMIX	36019	8.5"	10.7"	18"						115/1	15.0A	5-15P	
14	1	24X48 WIRING SHELVING	QUANTAM	WR74-2448-5	48"	24"	72"									
15	2	24X36 WIRING SHELVING	QUANTAM	WR74-2436-5	36"	24"	72"									
16	1	18X36 WIRING SHELVING	QUANTAM	WR74-1836-5	36"	18"	72"									
17	1	18X72 WIRING SHELVING	QUANTAM	WR74-1872-5	72"	18"	72"									
18	1	18X78 WALL WIRING SHELVING- BLACK	QUANTAM	WR74-1872-5	72"	18"	72"									

NOTE- ALL KITCHEN EQUIPMENT SHALL BE NSF LISTED



SECOND FLOOR
KEY PLAN NTS

4' 0 4' 8'
1/4" = 1'-0"
GRAPHIC SCALE

REVISIONS	BY

SEAL AND SIGNATURE
NORTH CAROLINA PROFESSIONAL SEAL 049994 ENGINEER KUMAR R. PATEL
09.05.26

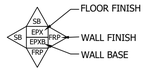
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GREENTECH LICENSE # C-2720

SHAKE SMART AT STUDENT UNION
459 Leslie Campbell Ave, Buise Creek, NC 27506

EQUIPMENT PLAN, RCP PLAN AND SCHEDULES

DATE: 09.05.2026
SCALE: AS SHOWN
DRAWN: JP
JOB: 2026042
SHEET I1
OF SHEETS

FINISHES LEGEND



SB- SUBWAY TILE

FRP- FRP PANEL

EPX- EPOXY FLOOR

EPXB- COVED EPOXY BASE

NOTES FOR INTERIOR FINISHES COMPLIANCE TO NCSBC CHAPTER-8

1. ALL INTERIOR WALLS AND CEILING FINISHES MATERIALS SHALL BE CLASS-B WITH FLAME SPREAD INDEX BETWEEN RANGE 26-75 AND SMOKE DEVELOPED INDEX RANGE 0-450.

2. FLOOR FINISHES SHALL BE CLASS-II, 0.22 WATTS/CM^2 MINIMUM CRITICAL RADIANT FLUX.

3. ALL PRODUCTS MUST BEAR A LABEL AS SUCH AND MANUFACTURER'S CERTIFICATION SHALL BE OBTAINED.

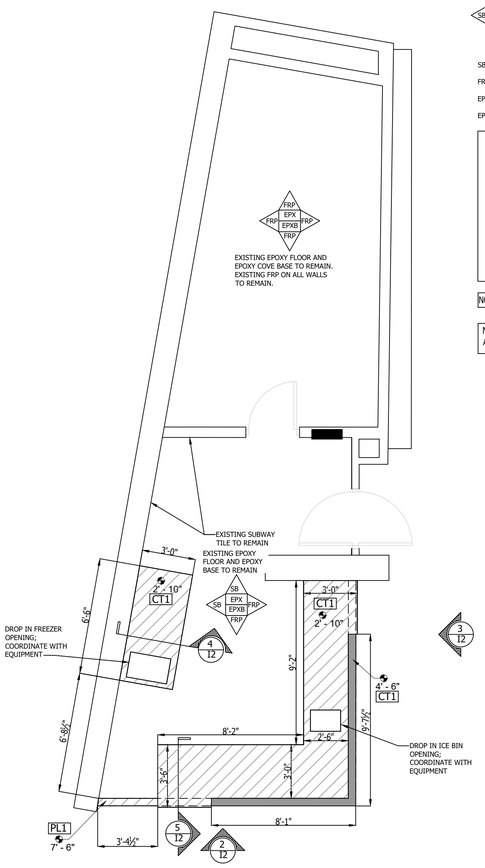
NOTE: COORDINATE WITH OWNER FOR DETAILED FINISHES REQUIREMENTS AND INSTALLATION

NOTE: CONTRACTOR SHALL ENGAGE MILLWORK VENDOR TO DEVELOP SHOP DRAWING SHOWING ALL FINISHES AND SUBMIT FOR APPROVAL OF SHAKE SMART PRIOR TO ANY FABRICATIONS.

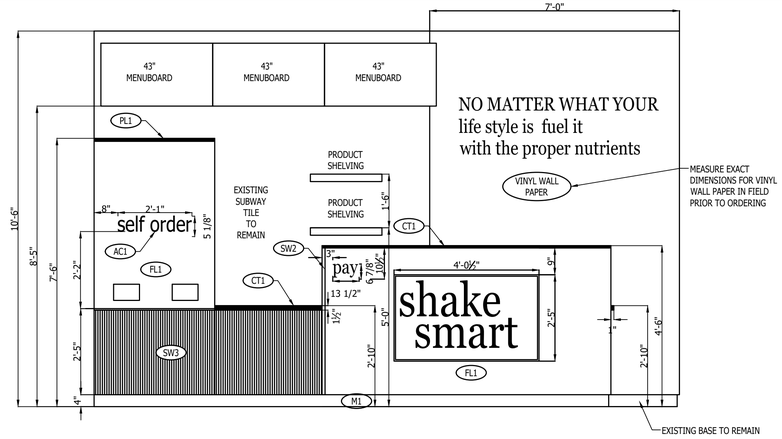
FINISHES SCHEDULE

MILLWORK FABRICATOR TO PROVIDE SAMPLES OF ALL MATERIAL PRIOR TO FABRICATION

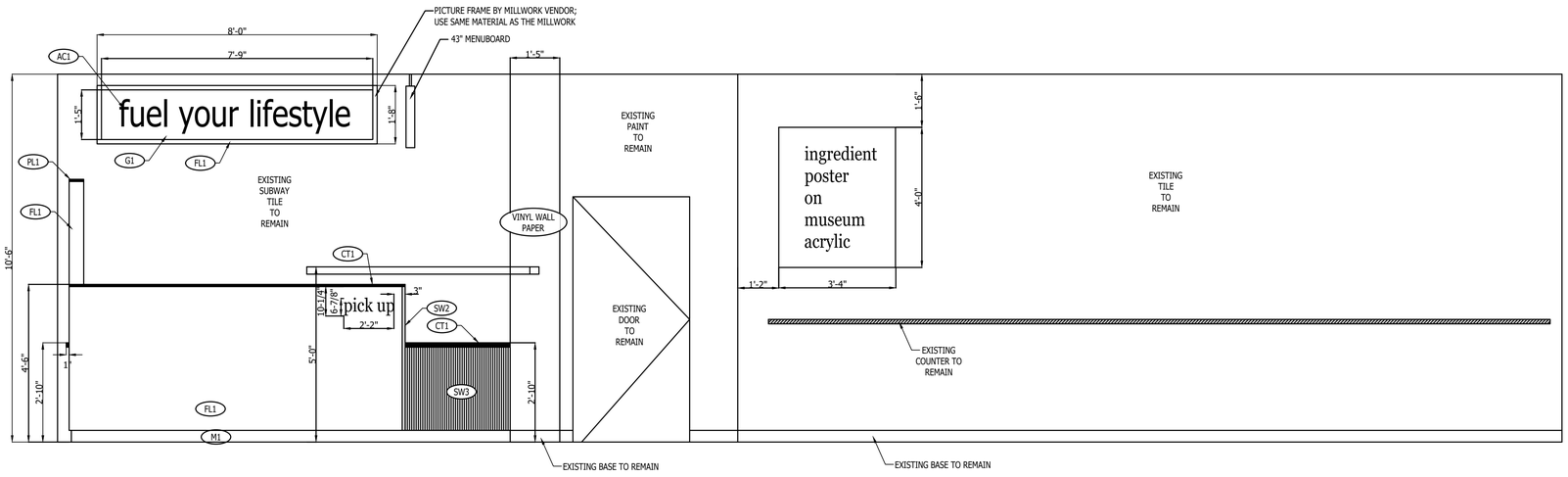
SW1	3/4 SOLID OAK
SW2	4/4 SOLID OAK
SW3	TAMBOR OAK
FL1	7" OAK; CONSISTENT WIDTH, VARIED LENGTH, RANDOM PATTERN
CT1	CAESARSTONE RUGGED CONCRETE
PC1	CARDINAL SATIN BLACK
M1	CHEMETAL 90 SATIN BLACK
PL1	FORMICA SUEDE BLACK
FRP1	SMOOTH WHITE
AC1	1/4" WHITE P95/7508
G1	BIOZENIC MOSS
PT1	SW 7103 WHITETAIL
WC1	MURALS YOUR WAY WHITE CONCRETE
WT1	4x24 CALACATTA ORA; HERRINGBONE PATTERN, GROUT - CUSTOM PRISM #543 DRIFTWOOD



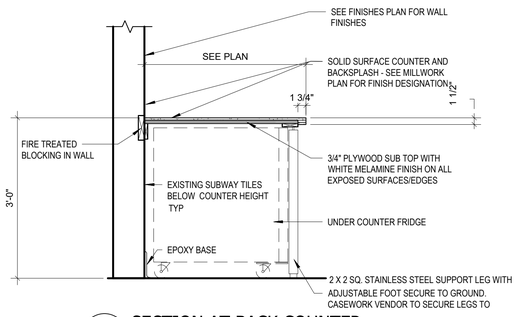
1 FINISHES AND MILLWORK PLAN
SCALE: 1/4"=1'-0"



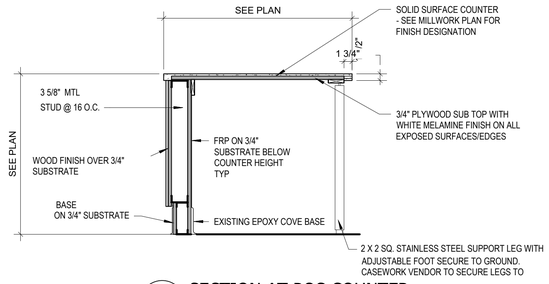
2 INTERIOR ELEVATION
SCALE: 1/2"=1'-0"



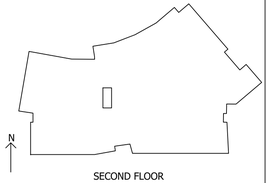
3 INTERIOR ELEVATION
SCALE: 1/2"=1'-0"



4 SECTION AT BACK COUNTER
SCALE: 3/4"=1'-0"



5 SECTION AT POS COUNTER
SCALE: 3/4"=1'-0"





REVISIONS	BY



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GREENTECH LICENSE # C-2720

SHAKE SMART AT STUDENT UNION

459 Leslie Campbell Ave, Buise Creek, NC 27506

FINISHES PLAN AND INTERIOR ELEVATIONS

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	12
OF	SHEETS

PLUMBIN SCOPE OF WORK

THIS IS A CONVERSION OF SMOOTHIE BAR TO SHAKE SMART.

SCOPE OF WORK IS LIMITED TO REMOVAL OF DISHWASHER, DUMP SINK, HAND SING AND (2) FLOOR SINKS. ALL OTHER PLUMBING FIXTURES ARE EXISTING TO REMAIN.

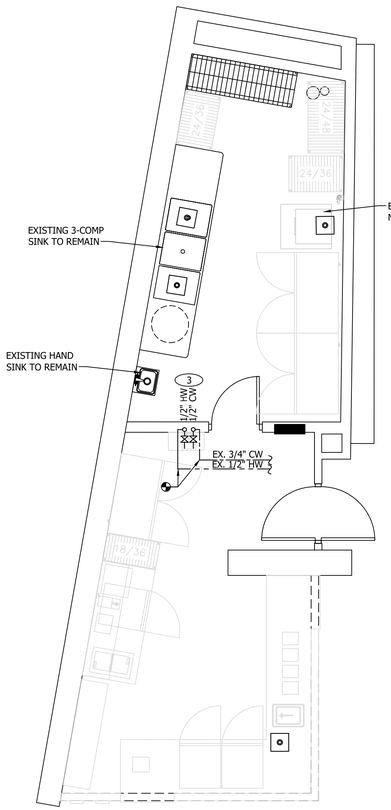
ADDITION ON ONE HAND SINK. RECONNECT TO EXISTING COLD WATER, HOT WATER, SANITARY AND VENT LINES AS SHOWN.

PLUMBING FIXTURE CONNECTION SCHEDULE

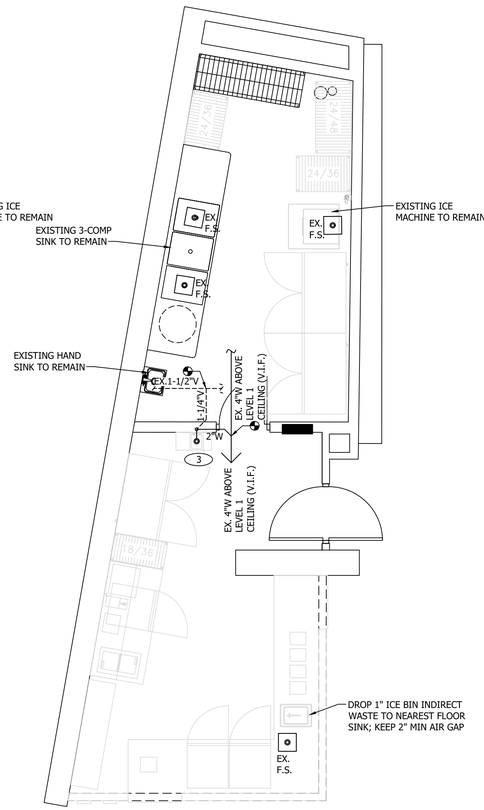
SYMBOL	FIXTURE	CW	HW	WASTE	VENT	REMARKS
#3	HAND SINK	1/2"	1/2"	2"	1 1/4"	

PLUMBING FIXTURE SPECIFICATIONS

#3 KITCHEN HAND SINK (REFER EQUIPMENT SCHEDULE SHEET I1). PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).



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



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

NOTE: EXISTING WASTE, VENT, WATER SUPPLY LINES AND FIXTURES ARE SHOWN IN APPROXIMATELY LOCATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SIZES BEFORE INSTALLATION OF ANY NEW EQUIPMENT. MAKE NECESSARY ADJUSTMENT AS REQUIRED.

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE IBC ADOPTED BY STATE , ANY APPLICABLE LOCAL CITY/TOWN/COUNTY CODES AND OTHER INDUSTRY STANDARDS.

2. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR (P.C.) SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.

3. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.

4. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.

5. THE P.C. SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE P.C. AND FINISHING BY GENERAL CONTRACTOR (G.C.).

6. WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER AND ABOVE GRADE TYPE "L", HARD DRAWN COPPER, SUPPORTED AS REQUIRED, AND SHALL BE HYDROSTATIC ALLY TESTED FOR TWO HOURS AT 125 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.

7. COLD & HOT WATER PIPING SHALL BE INSULATED WITH 1" GLASS FIBER.

8. IF THE WATER PRESSURE EXCEEDS 60 PSI, A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING AND SHALL BE SET AT 50 PSI.

9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACT.

10. SANITARY SEWER AND VENT LINES SHALL BE P.V.C. WASTE AND VENT PIPE UNDER SLAB AND DWV NO-HUB CI AND /OR DWV COPPER ABOVE SLAB. EXCEPTS FOR CONNECTIONS TO FIXTURES. MINIMUM DRAIN & VENT SIZES ABOVE SLAB SHALL BE 2". PVC PIPES ARE ACCEPTABLE IF APPROVED BY THE LANDLORD AND IT MAY USE IN CONCEALED WALLS OR ABOVE NON PLENUM CEILING. ANY EXPOSED PLUMBING PIPES MUST BE CAST IRON.

11. THE P.C. SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.

12. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.

13. THE PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR METALS.

14. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.

15. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER THIS CONTRACT WILL FIT THE SPACE AVAILABLE. THEY SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.

16. THE CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES. ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER PRIME CONTRACTORS PRIOR TO INSTALLATION.

17. THE CONTRACTOR SHALL USE FIRE RATED SLEEVES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS ARE MADE. ALL OPENINGS WILL BE MADE FIREPROOF.

18. ALL VENT LINES SHALL SLOPE UP TO VENT through ROOF. VENT through ROOF SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKES.

19. ALL WASTE STACKS & VENT SHALL HAVE A CLEANOUT AT THE BASE OF THE STACK. COORDINATE LOCATION OF CLEANOUTS WITH CASEWORK.

20. THE CONTRACTOR SHALL PROVIDE SHOCK ABSORBERS AT EACH BRANCH. SHOCK ABSORBERS IN ACCORDANCE WITH ASSE 1.010 AND SHALL BE ACCESSIBLE.

21. HORIZONTAL DRAINAGE AND WASTE PIPING SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8" PER FOOT FOR SIZES GREATER THAN OR EQUAL TO 3" AND A MINIMUM SLOPE OF FALL OF 1/4" PER FOOT FOR SIZES LESS THAN 3".

22. PROVIDE MANUAL SHUTOFF VALVES AT EACH BRANCH LINE OF ALL WATER PIPING.

23. PROVIDE ISOLATION VALVES AT ALL FIXTURES.

24. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.

25. PROVIDE POSITIVE FREEZE PROTECTION ON ALL WATER LINES SUBJECT TO FREEZING CONDITIONS.

26. CONTRACTOR SHALL BE REQUIRED TO COMPLETELY ROD AND FLUSH OUT ALL SANITARY WASTE LINES AFTER BUILDING IS COMPLETED.

27. PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATION.

28. PROVIDE BACKFLOW DEVICE WITH EACH EQUIPMENT CONNECTION.

LEGEND

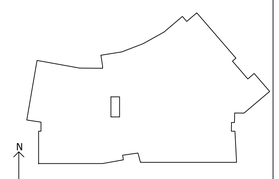
———	SANITARY SEWER PIPING
- - - - - - - - - -	VENT PIPING
— — — — — — — —	COLD WATER PIPING
— — — — — — — —	HOT WATER PIPING
— G — G —	GAS PIPING
FD- o———	FLOOR DRAIN
F.S.	FLOOR SINK
——M———	GATE VALVE
——I/I———	BACK FLOW PREVENTER VALVE
C—M—	GAS VALVE

ABBREVIATIONS

VTR	VENT THRU ROOF
W	WASTE
V	VENT
HW	HOT WATER
CW	COLD WATER
P (X)	PLUMBING FIXTURE
CCO	CEILING CLEAN OUT
WCO	WALL CLEAN OUT
FD	FLOOR DRAIN
F.S.	FLOOR SINK
GPM	GALLONS PER MINUTE
HD	HUB DRAIN
PSI	POUNDS PER SQUARE INCH
KW	KILOWATTS
V	VOLTS
W	WATTS

UNLESS NOTED OTHERWISE HOT WATER (HW) SHALL BE 110°F.

MEANING TIE TO EXISTING



SECOND FLOOR
KEY PLAN NTS

4' 0 4' 8'
1/4" = 1'-0"
GRAPHIC SCALE

REVISIONS	BY

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PLUMBING PLAN

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SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	P1
OF	SHEETS

ELECTRICAL SPECIFICATIONS

GENERAL PROVISIONS
PART 1 - GENERAL

1.1 CODES AND STANDARDS - THE LATEST EFFECTIVE PUBLICATIONS OF ALL APPLICABLE STANDARDS, CODES, ETC., AS THEY APPLY, FORM PART OF THESE SPECIFICATIONS AS IF WERE WRITTEN FULLY HEREIN AND CONSTITUTE MINIMUM REQUIREMENTS. THE FOLLOWING WILL BE REFERRED TO THROUGHOUT IN ABBREVIATED FORMS.

A. NATIONAL ELECTRICAL CODE, (NFPA 70) (NEC).
B. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
C. RULES AND REGULATIONS OF LOCAL ELECTRIC UTILITY COMPANY.
D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
E. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
F. APPLICABLE LOCAL CODES.
G. UNDERWRITER'S LABORATORIES, INC. (UL).

1.2 SCOPE OF WORK - PROVIDE ALL WORK REQUIRED FOR THIS DIVISION INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, APPURTENANCES AND SERVICES TO PROVIDE COMPLETE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND SPECIFIED IN THIS DIVISION OF THE SPECIFICATIONS. THE WORD "PROVIDE" SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE".

1.3 THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO DETERMINE THE EXTENT OF THE WORK. LACK OF KNOWLEDGE OF EXISTING CONDITIONS WILL NOT BE CONSIDERED A BASIS FOR CHANGE ORDERS. PRIOR TO ORDERING EQUIPMENT, VERIFY THAT EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT IS ACCEPTABLE AND CAN FIT INTO BLDG. AND ROOM. EXPENSE INCURRED BY THE CONTRACTOR, WHICH IN THE ENGINEER'S OPINION COULD HAVE BEEN AVOIDED BY THIS STEP, SHALL NOT BE A BASIS FOR CHANGE ORDERS.

1.4 DRAWINGS AND SPECIFICATIONS - THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT, CHARACTER AND ARRANGEMENT OF EQUIPMENT, FIXTURES AND CONDUIT AND WIRING SYSTEMS. IT IS THE INTENTION OF THESE SPECIFICATIONS AND DRAWINGS TO FULLY COVER ALL WORK AND MATERIALS FOR A COMPLETE, FIRST-CLASS ELECTRICAL INSTALLATION, AND ANY DEVICES SUCH AS PULL BOXES AND DISCONNECT SWITCHES, USUALLY EMPLOYED IN THIS CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS OR IN THIS SPECIFICATION, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS A PART OF HIS TOTAL WORK UNDER THIS DIVISION. CONSULT THE SPECIFICATIONS AND DRAWINGS OF ALL OTHER TRADES AND PERFORM ALL ELECTRICAL WORK REQUIRED THEREIN. COOPERATE WITH ALL OTHER CONTRACTORS OR SUBCONTRACTORS TO FURNISH COMPLETE WORKABLE SYSTEMS.

1.5 DURING CONSTRUCTION, KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK AS SHOWN ON THE CONTRACT DRAWINGS AND THAT WHICH IS ACTUALLY INSTALLED ON A SET OF BLUE LINE PRINTS OF THE ELECTRICAL DRAWINGS, AND NOTE CHANGES THEREON WITH RED MARKS, IN A NEAT AND ACCURATE MANNER. WHEN ALL REVISIONS HAVE BEEN SHOWN ON THESE PRINTS TO INDICATE THE WORK AS FINALLY INSTALLED, THE PRINTS SHALL BE DELIVERED TO THE ENGINEER, BEFORE FINAL PAYMENT.

1.6 PERMITS, INSPECTION AND TESTS - THE RIGHT IS RESERVED TO INSPECT AND TEST ANY PORTION OF THE INSTALLATION/EQUIPMENT DURING THE PROGRESS OF ITS ERECTION. THIS CONTRACTOR SHALL TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. THIS CONTRACTOR SHALL TEST THE ENTIRE SYSTEM WHEN THE WORK IS FINALLY COMPLETED TO INSURE THAT ALL PORTIONS ARE FREE FROM SHORT CIRCUITS AND GROUNDS.

1.7 SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS. INSPECTION CERTIFICATES FROM LOCAL AUTHORITIES HAVING JURISDICTION SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT.

PART 2 - PRODUCTS

2.1 MANUFACTURING STANDARDS - MATERIALS SHALL BE NEW AND APPROVED AND LABELED BY UL WHEREVER STANDARDS HAVE BEEN ESTABLISHED BY THAT AGENCY. DEFECTIVE EQUIPMENT OR EQUIPMENT DAMAGED IN THE COURSE OF INSTALLATION OR TEST SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE OWNER. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL.

2.2 TRADE NAMES - UNLESS SPECIFICALLY IDENTIFIED OTHERWISE, MANUFACTURERS' NAMES AND CATALOG NUMBERS INDICATED HEREIN AND ON THE DRAWINGS ARE NOT INTENDED TO BE PROPRIETARY DESIGNATIONS. THEY ARE TO INDICATE GENERAL TYPE AND QUALITY OF MATERIALS AND EQUIPMENT REQUIRED. EQUIPMENT AND MATERIALS BY OTHER MANUFACTURERS WHICH IN THE OPINION OF THE ENGINEER ARE OF EQUAL QUALITY AND WHICH WILL PRODUCE THE SAME RESULTS WILL BE CONSIDERED ACCEPTABLE.

2.3 MOTORS - MOTORS SHALL HAVE DISCONNECTING MEANS AND CONTROLLERS. CONTROLLERS SHALL HAVE THERMAL OVERLOAD PROTECTION AND PHASE OUTAGE PROTECTION RELAYS.

2.4 DISCONNECT SWITCHES AND POWER WIRING UP TO AND INCLUDING MOTOR CONNECTIONS FOR ALL EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THIS SPECIFICATION SHALL BE INCLUDED IN THIS DIVISION. WHERE MANUAL MOTOR CONTROL SWITCHES FOR SINGLE PHASE MOTORS ARE INDICATED, THEY SHALL BE PROVIDED AND WIRED COMPLETE UNDER THIS DIVISION. MOTOR CONTROLLERS AND MOTOR STARTERS FURNISHED UNDER OTHER DIVISIONS SHALL BE SET IN PLACE AND CONNECTED TO SOURCE AND LOAD UNDER THIS DIVISION. IN GENERAL, MOTORS WILL BE PROVIDED WITH THE EQUIPMENT THEY DRIVE AND ARE NOT PART OF THIS WORK UNDER THIS DIVISION, EXCEPT THAT THEY SHALL BE CONNECTED HEREUNDER.

2.5 OBTAIN APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS, CONNECTION DIAGRAMS, ROUGHING-IN AND HOOKUP DETAILS, FROM OTHER INVOLVED CONTRACTORS FOR ALL EQUIPMENT AND COMPLY THEREWITH.

2.6 CONTROL, INTERLOCK, AND INTERNAL EQUIPMENT WIRING REGARDLESS OF VOLTAGE WILL BE PROVIDED BY OTHERS UNLESS SPECIFICALLY SHOWN HERE.

2.7 GROUNDING - THE ENTIRE ELECTRICAL SYSTEM, INCLUDING EQUIPMENT FRAMES, CONDUIT, SWITCHES, CONTROLLERS, WIREWAYS, NEUTRAL CONDUCTORS, AND ALL OTHER SUCH EQUIPMENT SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE NEC. GROUND RODS SHALL BE COPPER CLAD STEEL, 3/4" DIAMETER BY 10'-0" LONG. GROUNDING OF EACH TRANSFORMER SECONDARY SHALL BE PROVIDED AND EACH SHALL BE CONSIDERED AS A SEPARATE SERVICE GROUND. PROVIDE A SEPARATE GROUND CONDUCTOR IN ALL BRANCH CIRCUIT CONDUITS SIZED IN ACCORDANCE WITH THE NEC.

2.8 SCHEDULE OF WORK - THE SCHEDULE OF THE ELECTRICAL WORK SHALL BE ARRANGED TO SUIT THE PROGRESS OF WORK BY THE OTHER TRADES AND SHALL IN NO WAY RETARD PROGRESS OF CONSTRUCTION OF THE PROJECT.

2.9 WORK UNDER THIS DIVISION SHALL PROCEED IN ADVANCE OF THE WORK OF OTHERS WHENEVER POSSIBLE, ELIMINATING ALL CUTTING AND PATCHING. WHEN SUCH PROCEDURE IS IMPOSSIBLE, CUTTING AND PATCHING SHALL BE DONE IN AN APPROVED MANNER. CUTTING SHALL NOT ENDANGER STRUCTURAL INTEGRITY IN ANY WAY. PATCHING SHALL EXACTLY MATCH CONTIGUOUS WORK. ACTUAL WORK OF CUTTING AND PATCHING OF EXISTING SURFACES SHALL BE PERFORMED BY THE SUBCONTRACTOR WHO ORIGINALLY PREPARED THESE SURFACES, E.G., CUTTING AND PATCHING OF MASONRY WALL WILL BE PERFORMED BY THE MASONRY SUBCONTRACTOR. COSTS OF SUCH CUTTING AND PATCHING SHALL BE BORNE BY THE ELECTRICAL SUBCONTRACTOR. CUTTING SHALL BE CAREFULLY DONE AND DAMAGE TO BUILDING, PIPING, WIRING OR EQUIPMENT AS A RESULT OF CUTTING SHALL BE REPAIRED BY SKILLED MECHANICS OF TRADE INVOLVED.

2.10 LABELING OF EQUIPMENT - ALL PANELBOARDS, CABINETS, SAFETY SWITCHES, MOTOR DISCONNECT SWITCHES, AND MOTOR CONTROLLERS SHALL BE IDENTIFIED BY MACHINE ENGRAVED LAMINATED PLASTIC DESIGNATION PLATES PERMANENTLY ATTACHED THERETO WITH SELF-TAPPING SCREWS OR RIVETS. ALL COMPONENT PARTS OF EACH ITEM OF EQUIPMENT OR DEVICE SHALL BEAR THE MANUFACTURER'S NAMEPLATE, GIVING NAME OF MANUFACTURER, DESCRIPTION, SIZE, TYPE, SERIAL AND MODEL NUMBER AND ELECTRICAL CHARACTERISTICS IN ORDER TO FACILITATE MAINTENANCE OR REPLACEMENT.

2.11 COORDINATION - COOPERATE AND COORDINATE EFFORTS WITH ALL CONTRACTORS ON THE PROJECT. THIS IS ESPECIALLY IMPORTANT IN DETERMINING EXACT LOCATIONS OF ALL SWITCHES, RECEPTACLES AND LIGHTING FIXTURES. ARRANGE LIGHTING FIXTURES IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS UNLESS OTHERWISE INDICATED. COORDINATE LIGHTING FIXTURE LOCATIONS WITH GRILLES, DIFFUSERS, ACCESS PANELS, ETC. VERIFY CEILING AND WALL CONSTRUCTION AND MATERIAL PRIOR TO ORDERING LIGHTING FIXTURES OR OTHER DEVICES TO ENSURE PROPER FIXTURE OR DEVICE IS FURNISHED TO MATCH CONSTRUCTION. THIS VERIFICATION MUST BE EXECUTED REGARDLESS OF INFORMATION PLACED ON THE DRAWINGS. ANY COST INCURRED WHICH IN THE OPINION OF THE OWNER, COULD HAVE BEEN AVOIDED BY THIS STEP SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

2.12 GUARANTEE OF WORK - CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT ALL WORK INSTALLED IS FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS, AND THAT THE APPARATUS WILL DEVELOP CAPACITIES AND CHARACTERISTICS SPECIFIED, AND THAT IF, DURING THE PERIOD OF ONE YEAR OR AS OTHERWISE SPECIFIED, FROM DATE OF CERTIFICATE OF COMPLETION AND ACCEPTANCE OF THE WORK ANY SUCH DEFECTS IN WORKMANSHIP, MATERIAL OR PERFORMANCE APPEAR, HE WILL, WITHOUT COST TO THE OWNER, REMEDY SUCH DEFECTS WITHIN A REASONABLE TIME TO BE SPECIFIED IN NOTICE. IN DEFAULT THEREOF, THE OWNER MAY HAVE SUCH WORK DONE AND CHARGE COST TO CONTRACTOR. EQUIPMENT GUARANTEES FROM DATE OF "START-UP" WILL NOT BE RECOGNIZED.

RACEWAY, FITTINGS AND BOXES

A. RACEWAYS - CONDUIT SHALL BE HOT-DIPPED, ZINC COATED OR SHERARDIZED RIGID STEEL (RS), INTERMEDIATE METAL CONDUIT (IMC), ELECTRICAL METALLIC TUBING (EMT), OR SCHEDULE 40 POLYVINYL CHLORIDE (PVC).

B. FLEXIBLE CONDUIT SHALL BE GALVANIZED, CONTINUOUS SPIRAL, SINGLE STRIP TYPE. FLEXIBLE CONDUIT SHALL BE COVERED WITH PVC JACKET IN WET OR DAMP LOCATIONS. PROVIDE SUITABLE FITTINGS WITH GROUND CONNECTOR.

C. FITTINGS - ALL CONDUIT ENTERING OR LEAVING OUTLET, JUNCTION OR PULL BOXES, AND CABINETS AND ALL CONDUIT STUBS SHALL HAVE BUSHINGS. PROVIDE INSULATING BUSHINGS WHERE REQUIRED BY NEC. PROVIDE EXPANSION FITTINGS WITH BONDING JUMPER WHERE CONDUITS CROSS EXPANSION JOINTS.
1. FITTINGS FOR RS AND IMC SHALL BE THREADED TYPE.
2. FITTINGS FOR EMT SHALL BE THREADLESS, APPROVED FOR THE CONDITIONS ENCOUNTERED AND MAY BE CAST SETSCREW TYPE OR COMPRESSION TYPE.

D. FITTINGS FOR PVC SHALL BE PVC, PRIMED AND GLUED.

E. OUTLET BOXES AND JUNCTION BOXES - OUTLET BOXES SHALL BE PRESSED STEEL, ELECTRO-GALVANIZED OR CADMIUM PLATED WITH CLEAN CUT, EASILY REMOVABLE KNOCKOUTS. EXCEPT AS NOTED HEREINAFTER MINIMUM SIZE OUTLET BOX SHALL BE 4" SQUARE, 1 1/2" DEEP, AND SHALL BE INCREASED IN DIMENSIONS TO ACCOMMODATE CONDUCTORS, CONDUITS, AND DEVICES AS REQUIRED BY THE NEC. SHALLOWER BOXES MAY BE USED WHERE REQUIRED BY STRUCTURAL CONDITIONS. PROVIDE SUITABLE PLASTER-RINGS TO MATCH WALL CONSTRUCTION AND DEVICE. CEILING AND BRACKET OUTLET BOXES SHALL BE NOT LESS THAN 4" OCTAGONAL, 1 1/2" DEEP EXCEPT THAT SMALLER BOXES MAY BE USED WHERE REQUIRED BY PARTICULAR FIXTURE TO BE INSTALLED.

F. NON METALLIC OUTLET BOXES MAY BE PROVIDED IN PVC RACEWAY SYSTEMS. OUTLET BOXES IN WET OR DAMP LOCATIONS SHALL BE CAST-METAL, THREADED HUB-TYPE WITH GASKETS.

G. JUNCTION OR PULL BOXES NOT OVER 100 CUBIC INCHES IN VOLUME SHALL BE STANDARD OUTLET BOXES. JUNCTION BOXES OVER 100 CUBIC INCHES IN VOLUME SHALL BE CONSTRUCTED OF CODE GAGE, GALVANIZED SHEET STEEL. JUNCTION BOXES SHALL HAVE REMOVABLE COVERS AND SHALL BE ACCESSIBLE AFTER COMPLETION OF WORK.

H. RACEWAY AND FITTING INSTALLATION - RUN CONDUITS CONCEALED WITHIN WALLS, ABOVE CEILINGS AND WITHIN OR BELOW FLOORS. CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 8'. RUN EXPOSED CONDUIT PARALLEL OR PERPENDICULAR TO WALLS, STRUCTURAL MEMBERS, OR INTERSECTIONS OF VERTICAL PLANES AND CEILING.

I. SUPPORT CONDUITS BY PIPE STRAPS, WALL BRACKETS, STRAP HANGERS, OR CEILING TRAPEZE.

J. RUN ALL CONDUITS TOGETHER AS POSSIBLE IN A NEATLY MATTER.

K. DO NOT INSTALL PVC IN OR THROUGH FIRE RATED ASSEMBLIES, IN OR THROUGH ANY WALLS, IN OR THROUGH ANY CEILINGS, IN HAZARDOUS AREAS, IN AREAS SUBJECT TO SEVERE PHYSICAL DAMAGE, OR EXPOSED ANYWHERE IN THE PROJECT.

CONDUCTORS

A. CONDUCTORS AND INSULATION - WIRE AND CABLE SHALL BE SOFT DRAWN, ANNEALED COPPER WITH 600 VOLT COLOR CODED INSULATION. MINIMUM WIRE SIZE SHALL BE #12 AWG. INSULATION FOR CONDUCTOR SIZES #12 AND #10 SHALL BE TYPE THW OR RHW OR THHW OR THHN FOR INSTALLATION IN ORDINARY DRY LOCATIONS AND TYPE THWN FOR INSTALLATION IN WET LOCATIONS. WET LOCATIONS WILL INCLUDE SERVICE CONDUITS, CONDUIT UNDERGROUND, RACEWAYS INSTALLED IN CONCRETE FLOOR SLABS IN DIRECT CONTACT WITH THE EARTH AND RACEWAYS REGULARLY SUBJECT TO MOISTURE OR CONDENSATION. CONDUCTORS SIZES LARGER THAN #10 SHALL HAVE TYPE XHHW-2 INSULATED. CONDUCTORS NO. 8 AWG AND LARGER DIAMETER SHALL BE STRANDED. CONDUCTORS NO. 10 AWG AND SMALLER DIAMETER SHALL BE SOLID, EXCEPT THAT CONDUCTORS FOR REMOTE-CONTROL AND SIGNAL CIRCUITS, CLASSES 1, 2, AND 3, MAY BE STRANDED.

B. BRANCH CIRCUIT CONDUCTORS IN FLUORESCENT FIXTURE RACEWAYS AND DROPS TO SINGLE FLUORESCENT FIXTURES SHALL BE TYPE THHN OR XHHW.

C. METAL CLAD (MC) CABLE SHALL BE ALLOWED FOR BRANCH CIRCUITING 20A, 120V OR LESS.

D. PROVIDE A SEPARATE GROUND CONDUCTOR IN ALL RACEWAYS SIZED IN ACCORDANCE WITH THE NEC.

E. JOINTS AND TERMINATIONS - FOR CONDUCTORS #12 AND #10 ALL FIXTURE AND BRANCH CIRCUITS JOINTS IN JUNCTION AND OUTLET BOXES SHALL BE MADE WITH UL LISTED PRESSURE TYPE CONNECTORS RATED AT 600 VOLTS AND 105 DEGREES C. CONNECTORS SHALL BE IDEAL INDUSTRIES "WING-NUT" OR BUCHANNAN "B-CAP", 3M "SCOTCH-LOK" CONNECTORS OR EQUAL. WIRE #8 AND LARGER SHALL BE JOINED OR TERMINATED WITH SOLDERLESS PRESSURE CONNECTORS PROPERLY TAPED IN LAYERS TO FORM A MOISTURE-TIGHT JOINT.

WIRING DEVICES

A. WIRING DEVICES SHALL BE "SPECIFICATION GRADE" AS MANUFACTURED BY GENERAL ELECTRIC, SLATER (MEDALIST), ARROW-HART, BRYANT, HUBBELL OR PASS & SEYMOUR.

B. DUPLEX CONVENIENCE RECEPTACLES SHALL BE STAINLESS STEEL, 20 AMPERE, 125 VOLTS, 2 POLE, 3 WIRE NEMA AND ASA STANDARD, GROUNDING TYPE.

C. GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLES SHALL CONFORM TO NEC, SHALL BE UL LISTED, IVORY PLASTIC, SHALL HAVE A "PUSH-TO-TEST" BUTTON AND VISIBLE INDICATION OF A TRIPPED CONDITION.

D. ON FINISHED WALLS, PLATES SHALL BE SATIN FINISHED TYPE 302, ALLOY 18-8 STAINLESS STEEL WITH BEVELED EDGES.

SAFETY SWITCHES

A. SAFETY SWITCHES - SAFETY SWITCHES SHALL BE RATED AT 240 VOLTS WITH NUMBER OF POLES AND CURRENT RATING AS INDICATED. SWITCHES SHALL BE FUSED OR NON-FUSED TYPE AS INDICATED, NEMA TYPE GD OR HD AS REQUIRED, WITH FULL COVER INTERLOCKS AND QUICK-MAKE, QUICK-BREAK MECHANISM.

PANELBOARDS

A. PANELBOARDS - PROVIDE AS PER SCHEDULE.

B. PROVIDE TYPEWRITTEN DIRECTORY CARD, CARD HOLDER, TRANSPARENT PROTECTION AND COMPLETE IDENTIFYING DATA ON INSIDE OF DOOR.

LIGHTING FIXTURES

A. FIXTURES - FIXTURES SHALL BE AS INDICATED IN SCHEDULE.
B. LAMPS - UNLESS OTHERWISE NOTED, LAMPS SHALL BE PROVIDED AS SCHEDULED..
C. LED LIGHTS- LIGHTS MUST BE UL LISTED, MEET IES STANDARDS LM-79, LM-80, TM-21. ALL LED FROM THE SAME BATCH AND COMPATIBLE WITH DIMMER.
D. NO FIXTURES SHALL BE HUNG WITH ZIP-CLIPS.

TELEPHONE CONDUIT SYSTEMS

A. PROVIDE COMPLETE SYSTEM OF EMPTY CONDUIT, OUTLETS, FITTINGS, APPURTENANCES, EQUIPMENT BACKBOARDS AND EQUIPMENT CABINETS FOR INSTALLATION OF THE TELEPHONE AND OTHER COMMUNICATION SYSTEMS. PROVIDE OUTLETS, FITTINGS AND MINIMUM 1" CONDUIT IN ALL RUNS. PROVIDE 3/4" THICK PLYWOOD BACKBOARDS SECURED TO WALLS WHERE SHOWN FOR MOUNTING OF TELEPHONE TERMINALS AND EQUIPMENT. PROVIDE #14 AWG GALVANIZED STEEL PULL WIRE IN EACH CONDUIT RUN. INSTALL TELEPHONE CONDUITS, OUTLET BOXES, CABINETS AND BACKBOARDS, INCLUDING POINT OF SERVICE IN ACCORDANCE WITH REQUIREMENTS OF LOCAL TELEPHONE COMPANY.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST NATIONAL ELECTRICAL CODE, STATE CODE, & LOCAL AUTHORITY REQUIREMENTS.

2. THE CONTRACTOR SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND WORKING CONDITIONS. VERIFY ALL FIELD CONDITIONS INCLUDING LOCATION OF UTILITY LINES, STRUCTURES, AND ADVISE THE ENGINEER OF ANY DISCREPANCY THAT MAY PREVENT OR HINDER THE SPECIFIED WORK FROM BEING COMPLETED.

3. THE CONTRACTOR SHALL STUDY THE STRUCTURE AND FINISH CONDITIONS AFFECTING HIS WORK AND SHALL COORDINATE HIS WORK ACCORDINGLY. THE CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, HANGERS, AND ANCHORS AS NECESSARY TO MEET SUCH CONDITIONS WITHOUT ANY ADDITIONAL COST TO THE OWNER.

4. PRIOR TO ACCOMPLISHING ANY WORK IN ANY AREA, ALL WORK SHALL BE PLANNED AND COORDINATED WITH OTHER TRADES AND THE OWNER. THE CONDUIT ROUTING SHALL BE COORDINATED WITH DUCT WORK, AND OTHER OBSTACLES SO AS TO PROVIDE THE MOST EFFICIENT AND AESTHETICALLY PLEASING INSTALLATION.

5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND ARRANGE INSPECTIONS NECESSARY FOR THE INSTALLATION OF HIS WORK AND FURNISH THE ENGINEER WITH CERTIFICATES OF INSPECTIONS FROM ALL AUTHORITIES HAVING JURISDICTION.

6. PROPERLY SUPPORT ALL WORK AND EQUIPMENT INSTALLED UNDER THIS CONTRACT. STUDY ALL DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND CATALOG DATA TO DETERMINE HOW EQUIPMENT ACCESSORIES, AND RELATED ITEMS ARE TO BE SUPPORTED, MOUNTED, OR SUSPENDED. PROVIDE ALL BOLTS, INSERTS, BRACKETS, STRUCTURAL SUPPORTS, AND ACCESSORIES FOR PROPER SUPPORT OF EQUIPMENT FURNISHED UNDER THIS CONTRACT.

7. PROVIDE GREEN EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDER AND BRANCH CIRCUITS.

8. MOUNTING HEIGHTS INDICATED ARE TO THE CENTER OF THE DEVICE, OR EQUIPMENT UNLESS NOTED OTHERWISE. RECEPTACLE AND DATA/TELEPHONE OUTLET SHOWN ADJACENT ON DRAWING SHALL BE MOUNTED 6" APART ON CENTER HORIZONTALLY.

9. COORDINATE ALL DEVICES AND OUTLETS ABOVE, OR BELOW WITH CASEWORK INSTALLATION AND THE ARCHITECT IN ORDER TO POSITION AT THE PROPER LOCATION AND THE HEIGHT.

10. THE CONTRACTOR SHALL USE THE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. DO NOT SCALE THESE PLANS.

11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

12. ALL ELECTRICAL EQUIPMENT SHALL BE UL LABELED WHERE CATEGORY EXISTS FOR SUCH EQUIPMENT. OTHER THIRD PARTY LABELS ACCEPTABLE TO THE LOCAL INSPECTOR MAY BE USED.

13. ELECTRICAL DEVICES REQUIRED TO BE ADA ACCESSIBLE SHALL BE INSTALLED PER ANSI A117.1.

14. ELECTRICAL CONTRACTOR SHALL PROVIDE A.I.C. PLAQUES ON ALL THE SERVICE DISCONNECTS PER NEC 110.24.

15. ELECTRICAL CONTRACTOR SHALL PROVIDE A PLAQUE ON EACH SERVICE DISCONNECT INDICATING WHICH SUITE IT SERVES PER NEC 230.2 (E).

STANDARD ABBREVIATIONS

A	- AMPERES OR ABOVE COUNTER
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GROUND
C	- CONDUIT
E	- EXISTING
EC	- ELECTRICAL CONTRACTOR
G	- EQUIPMENT GROUNDING CONDUCTOR OR GROUND FAULT CIRCUIT INTERRUPTER
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER
GC	- GENERAL CONTRACTOR
MC	- MECHANICAL CONTRACTOR
N	- NEUTRAL CONDUCTOR
P	- POLE
PC	- PLUMBING CONTRACTOR
PH	- PHASE
PNL	- PANELBOARD
REC	- RECEPTACLE
TTB	- TELEPHONE TERMINAL BACKBOARD
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
V	- VOLTS
W	- WATTS, WIRES

POWER LEGEND:

	DUPLEX RECEPTACLE, 120 VOLT, MOUNT @ 18" AFF TO THE CENTER, UNO
	PANELBOARD, SEE PANELBOARD SCHEDULE
	DISCONNECT SWITCH
	AS SUFFIX TO RECEPTACLES: (X)" MOUNT (X)" ABOVE FINISHED FLOOR; REFER ARCHITECTURAL PLANS FOR MOUNTING HEIGHT G GROUND FAULT ST SHUNT TRIP
	BRANCH CIRCUIT, OR FEEDER WIRING, RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD INDICATED. SINGLE PHASE CIRCUIT SHALL CONTAIN 1 #12 PHASE CONDUCTOR, 1 #12 NEUTRAL CONDUCTOR AND 1 #12 GROUNDING CONDUCTOR IN 3/4" CONDUIT, MINIMUM. CONDUCTORS LARGER THAN #12, AND CONDUIT LARGER THAN 3/4", SHALL BE AS INDICATED. WHERE "MULTIPLE PHASED" ELECTRICAL LOADS ARE REQUIRED, PROVIDE ADDITIONAL PHASE CONDUCTORS. MULTIPLE SINGLE PHASE CONDUCTORS MAY BE GROUPED TOGETHER IN A COMMON CONDUIT AS ALLOWED AND IN ACCORDANCE WITH THE NEC, AND/OR AT THE CONTRACTOR'S DISCRETION. CONTRACTOR SHALL PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS, AS REQUIRED TO ACHIEVE FIXTURE CONTROL INDICATED ON PLANS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED IN ACCORDANCE WITH AND AS ALLOWED BY THE NEC.
	SPECIAL RECEPTACLE AS PER EQUIPMENT NAMEPLATE DATA

COMMUNICATIONS LEGEND:

	VOICE/DATA OUTLET, MOUNT @ 18" AFF TO THE CENTER OF DEVICE, UNO; RUN 3/4" CONDUIT ABOVE CEILING FOR COMMUNICATION WIRING

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ELECTRICAL COVERSHEET

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	E1
OF	SHEETS

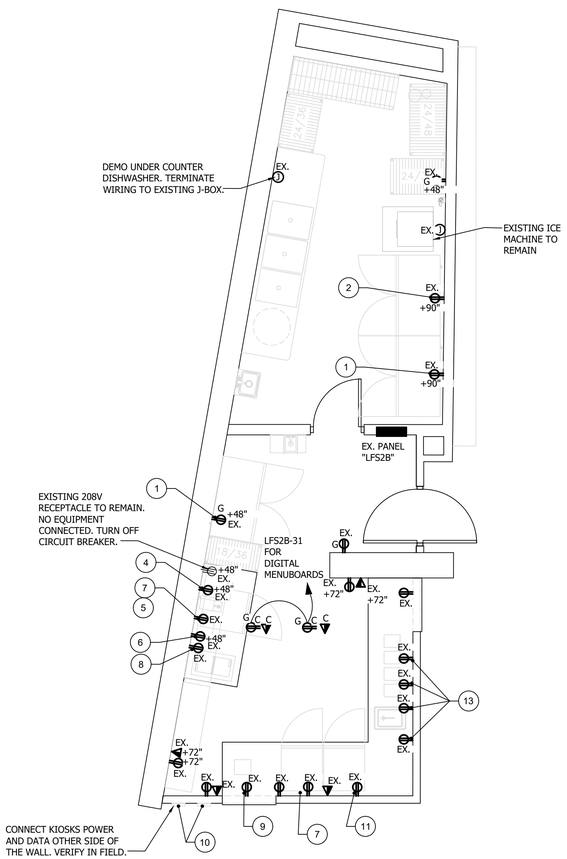
ELECTRICAL SCOPE OF WORK

THIS IS A CONVERSION OF SMOOTHIE BAR TO SHAKE SMART.

SCOPE OF WORK IS LIMITED TO REMOVAL OF DISHWASHER. ADDITION OF (2) CEILING RECEPTACLES AND DATA OUTLETS FOR DIGITAL MENU BOARDS.

EQUIPMENT BEING REPLACED WITH NEW EQUIPMENT SHALL CONNECT TO EXISTING NEAREST RECEPTACLE AS SHOWN.

ALL EXISTING LIGHTING, EMERGENCY LIGHTS AND SWITCHES TO REMAIN. NO CHANGE.



1 ELECTRICAL POWER PLAN

SCALE: 1/4"=1'-0"

FED FROM 800A MCB DISTRIBUTION PANELBOARD "ELFSDP1" VIA 100A BRANCH CIRCUIT BREAKER AND LOCATED IN CATERING KITCHEN 232

EXISTING PANELBOARD "ELFS2A" — 100 A MAIN BUS RATING

VOLTAGE : 208 /120V 3PH 4W — MOUNTING: RECESSED — MFR: GE A SERIES — 100A MAIN CIRCUIT BREAKER

BRANCH CIRCUIT NOTE	LOAD	WIRE SIZE	VA	DEVICE TRIP	DEVICE POLE	CKT	PHASE LOADS A	B	C	CKT	DEVICE POLE	DEVICE TRIP	BRANCH CIRCUIT VA	WIRE SIZE	LOAD	NOTE
G	CK-200a	EXISTING TO REMAIN	1440	15	1	1	2880			2	1	15	1440	EXISTING TO REMAIN	CK-200b	G
	CK-201	EXISTING TO REMAIN	3730			3		4160		4	1	15	430	EXISTING TO REMAIN	CK-201a	G
			3730	40	3	5			5230	6	2	20	1500	EXISTING TO REMAIN	CK-201b	
			3730			7	5230			8			1500			
G	CK-209	EXISTING TO REMAIN	1090	15	1	9		2530		10	1	20	1440	EXISTING TO REMAIN	CK-222a	G
G	CK-222b	EXISTING TO REMAIN	1440	20	1	11			2020	12	1	15	580	EXISTING TO REMAIN	CK-223	G
G	CK-224	EXISTING TO REMAIN	1070	15	1	13	2490			14	1	15	1420	EXISTING TO REMAIN	CK-258a	G
G	CK-258b	EXISTING TO REMAIN	1040	15	1	15		3160		16	1	20	2120	EXISTING TO REMAIN	CK-271	G
G,1	**REACH IN FREEZER #1**	EXISTING TO REMAIN	1152	15	1	17			1800	18	1	15	648	EXISTING TO REMAIN	**REACH IN REF.#2**	G,1
G	SB-403	EXISTING TO REMAIN	180	15	1	19	820			20	2	15	640	EXISTING	SB-407	
G,1	**HOT WATER#5/U.C. REF #7**	EXISTING TO REMAIN	1272	15	1	21		1912		22			640	TO REMAIN		
G,1	**DROP-IN REF #8**	EXISTING TO REMAIN	216	15	1	23			396	24	1	15	180	EXISTING TO REMAIN	SB-428	G
	SPACE		0		1	25	0			26	1		0		SPACE	
	SPACE		0		1	27		0		28	1		0		SPACE	
	SPACE		0		1	29			0	30	1		0		SPACE	
	SPACE		0		1	31	0			32	1		0		SPACE	
	SPARE		0	20	1	33		0		34	1	20	0		SPARE	
	SPARE		0	20	1	35			0	36	1	20	0		SPARE	
	SPARE		0	20	1	37	0			38	1	20	0		SPARE	
	SPARE		0	20	1	39		0		40	1	20	0		SPARE	
	SPARE		0	20	1	41			0	42	1	20	0		SPARE	
	kVA LOAD	32.63	LOAD PER PH IN VA				11420	11762	9446					22,000 AMPS		
	AMPERE LOAD	90.57	LOAD PER PH IN AMPS				95.2	98.0	78.7					MIN. INTERRUPTING CAP. (RMS SYM. AMPS)		
			DEMAND LOAD PER PH IN AMPS				61.9	63.7	51.2							

	CONNECTED	DEMAND
LIGHTING	0	0
RECEPTACLES	0	0
COMPUTERS	0	0
HVAC	0	0
OTHER	32628	21208 (65% KICTHEN LOAD)
TOTAL DEMAND LOAD	21.21 KVA	DEMAND FACTOR = 0.65
DEMAND AMPS	59 AMPS	

BREAKER NOTE LEGEND

1. PROVIDE TYPED WRITTEN PANEL DIRECTORY
- G- GFCI BREAKER
- H- HACR BREAKR
- L-LOCKABLE BREAKER
- 1- EXISTING BREAKER TO BE REUSED.
- 2- PROVIDE NEW BREAKER AS SHOWN.

FED FROM 800A MCB DISTRIBUTION PANELBOARD "LFSDP1" VIA 200A BRANCH CIRCUIT BREAKER

EXISTING PANELBOARD "LFS2B" — 225 A MAIN BUS RATING

VOLTAGE : 208 /120V 3PH 4W — MOUNTING: RECESSED — MFR: GE A SERIES — 200A MAIN CIRCUIT BREAKER

BRANCH CIRCUIT NOTE	LOAD	WIRE SIZE	VA	DEVICE TRIP	DEVICE POLE	CKT	PHASE LOADS A	B	C	CKT	DEVICE POLE	DEVICE TRIP	BRANCH CIRCUIT VA	WIRE SIZE	LOAD	NOTE
	SPARE		0	30	2	1	1152			2	1	15	1152	EXISTING TO REMAIN	**REACH IN FREEZER #1**	1
			0			3		0		4	1		0		SPACE	
	SPARE		0	15	1	5			0	6	2	20	0		**SPARE**	
	SPARE		0	50	2	7	0			8			0			
			0			9		996		10	1	20	996	EXISTING TO REMAIN	**MICROWAVE #4**	G,1
G,1	**POS #9**	EXISTING TO REMAIN	180	20	1	11			1980	12	1	**20**	1800	EXISTING TO REMAIN	**TOASTER #6**	**G,2**
G	**GENERAL RECE**	EXISTING TO REMAIN	180	20	1	13	420			14	1	20	240	EXISTING TO REMAIN	**U.C. REF #7**	G,1
G,1	**U.C. FREEZER #11**	EXISTING TO REMAIN	276	20	1	15		2076		16	1	20	1800	EXISTING TO REMAIN	**VITA MIXER #13**	G,1
G,1	**VITA MIXER #13**	EXISTING TO REMAIN	1800	20	1	17			3600	18	1	20	1800	EXISTING TO REMAIN	**VITA MIXER #13**	G,1
G,1	**VITA MIXER #13**	EXISTING TO REMAIN	1800	20	1	19	1800			20	1		0		SPACE	
	SPACE		0		1	21		0		22	1		0		SPACE	
	SPACE		0		1	23			0	24	1		0		SPACE	
	SPACE		0		1	25	0			26	1		0		SPACE	
	SPACE		0		1	27		0		28	1		0		SPACE	
	SPACE		0		1	29			0	30	1		0		SPACE	
	SPACE		0		1	31	0			32	1		0		SPACE	
	SPARE		0	20	1	33		0		34	1	20	0		SPARE	
	SPARE		0	20	1	35			0	36	1	20	0		SPARE	
	TRAP PRIMER	EXISTING TO REMAIN	100	20	1	37	100			38	1	20	0		SPARE	
1	**DIGITAL MENUBOARDS**	**2#12, 1#12G IN 3/4"C**	360	20	1	39		360		40	1	20	0		SPARE	
	SPARE		0	20	1	41			0	42	1	20	0		SPARE	
	kVA LOAD	12.48	LOAD PER PH IN VA				3472	3432	5580					10,000 AMPS		
	AMPERE LOAD	34.65	LOAD PER PH IN AMPS				28.9	28.6	46.5					MIN. INTERRUPTING CAP. (RMS SYM. AMPS)		
			DEMAND LOAD PER PH IN AMPS				19.2	19.0	30.9							

	CONNECTED	DEMAND
LIGHTING	0	0
RECEPTACLES	540	540
COMPUTERS	0	0
HVAC	0	0
OTHER	11944	7764 (65% KITCHEN LOAD)
TOTAL DEMAND LOAD	8.30 KVA	DEMAND FACTOR = 0.67
DEMAND AMPS	23 AMPS	

BREAKER NOTE LEGEND

1. PROVIDE TYPED WRITTEN PANEL DIRECTORY
- G- GFCI BREAKER
- H- HACR BREAKR
- L-LOCKABLE BREAKER
- 1- EXISTING BREAKER TO BE REUSED.
- 2- PROVIDE NEW BREAKER AS SHOWN.

EQUIPMENT SCHEDULE

ITEM #	DESCRIPTION	VOLT	PHASE	AMPS	DIR. CONN.	PLUG	REMARKS	CIRCUIT NUMBER
1	REACH IN FREEZER	120	1	9.6	-	X	PLUG IN TO EXISTING RECEPTACLE	ELFS2A-17/LFS2B-2
2	REACH IN REFF.	120	1	5.4	-	X	PLUG IN TO EXISTING RECEPTACLE	ELFS2A-18
4	MICROWAVE	120	1	8.3	-	X	PLUG IN TO EXISTING RECEPTACLE	LFS2B-10
5	HOT WATER DISPENSER	120	1	8.6	-	X	PLUG IN TO EXISTING RECEPTACLE	ELFS2A-21
6	TOASTER	120	1	15	-	X	PLUG IN TO EXISTING RECEPTACLE	LFS2B-12
7	U.C. REFF	120	1	2	-	X	PLUG IN TO EXISTING RECEPTACLE	ELFS2A-21/LFS2B-14
8	DROP IN REFF	120	1	1.8	-	X	PLUG IN TO EXISTING RECEPTACLE	ELFS2A-23
9	POS SYSTEM	120	1	-	-	X	PLUG IN TO EXISTING RECEPTACLE	LFS2B-11
10	KIOSKS	120	1	-	-	X	PLUG IN TO EXISTING RECEPTACLE	LP2D-28
11	U.C. FREEZER	120	1	2.3	-	X	PLUG IN TO EXISTING RECEPTACLE	LFS2B-15
13	VITA MIXER	120	1	15	-	X	PLUG IN TO EXISTING RECEPTACLE	LFS2B-16-17-18-19

NOTE:
1. E.C. TO VERIFY EXACT TYPE, QTY, LOCATION OF EQUIPMENT ELECTRICAL CONNECTIONS BEFORE BEGINNING WORK. E.C. TO ALSO VERIFY ACTUAL EQUIPMENT NAMEPLATE VALUES. FINAL CONNECTION TO EQUIPMENT BY E.C.
2. COORDINATE WITH OWNER FOR ROUGH IN HEIGHT AND LOCATION INFORMATION.
3. VERIFY EXISTING RECEPTACLE LOCATION AND CIRCUIT NUMBER IN FIELD. CONACT ENGINEER IF FIND ANYTHING DIFFERENT.

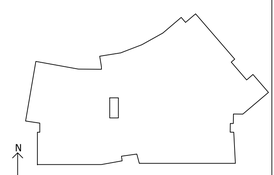
ELECTRICAL POWER PLAN NOTES

1. ALL RECEPTACLES INSTALLED IN KITCHEN SHALL HAVE GFI PROTECTION AS REQUIRED PER NEC EITHER AT RECEPTACLES THAT ARE ACCESSIBLE OR IN PANEL AS GFI BREAKER.

ALL RECEPTACLES INSTALLED IN KITCHEN AND SERVING AREAS SHALL HAVE GFI PROTECTION AS REQUIRED PER NEC 210.8(B)(2).

GFCI RECEPTACLE MUST BE READILY ACCESSIBLE. PROVIDE GFCI BREAKERS WHERE THIS REQUIREMENT CAN NOT BE MET.

NOTE: EC SHALL VERIFY ALL EQUIPMENT LOCATION AND POWER REQUIREMENTS WITH FINAL EQUIPMENT PACKAGE. ADJUST POWER CONNECTION AND CIRCUIT AS REQUIRED PRIOR TO ROUGH-IN .



SECOND FLOOR

KEY PLAN NTS

4' 0 4' 8'

1/4" = 1'-0"

GRAPHIC SCALE

REVISIONS	BY

I HEREBY CERTIFY THAT THE PLANS AND SPECIFICATIONS SHOWN HEREON WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA. SEAL 049994 — ENGINEER — J. KUMAR R. PATEL — 09.05.26

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ELECTRICAL POWER PLAN & SCHEDULES

DATE:	09.05.2026
SCALE:	AS SHOWN
DRAWN:	JP
JOB:	2026042
SHEET	E2
OF	SHEETS